LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.981	12	16	21	rVB	569361	558157	10.36%	0.688%
2	5.563	448	455	461	rVB3	80417	185732	3.45%	0.229%
3	5.816	490	498	505	rBV6	98063	252398	4.69%	0.311%
4	6.028	528	534	540	rBV5	95903	176141	3.27%	0.217%
5	6.098	540	546	550	rBV	96229	158160	2.94%	0.195%
6	6.210	561	565	569	rVB2	128472	189316	3.52%	0.233%
7	6.416	594	600	608	rBV2	94121	215845	4.01%	0.266%
8	6.534	615	620	625	rVB	182799	278796	5.18%	0.344%
9	6.663	638	642	645	rBV2	158494	243656	4.52%	0.300%
10	6.910	680	684	688	rVB3	114663	164948	3.06%	0.203%
11	7.010	693	701	707	rBV3	91250	225313	4.18%	0.278%
12	7.087	710	714	721	rVB5	97486	208498	3.87%	0.257%
13	7.169	722	728	737	rBV3	239028	533906	9.91%	0.658%
14	7.340	752	757	760	rBV3	92226	161093	2.99%	0.199%
15	7.451	773	776	780	rVV3	107664	183135	3.40%	0.226%
16	7.516	780	787	795	rVB2	1830462	2880746	53.49%	3.550%
17	7.757	824	828	831	rVV3	168064	250944	4.66%	0.309%
18	7.792	831	834	843	rVB7	130541	279904	5.20%	0.345%
19	8.063	875	880	886	rVV3	397930	688051	12.78%	0.848%
20	8.192	899	902	910	rVB3	222558	441796	8.20%	0.544%
21	8.292	913	919	922	rBV	158366	262655	4.88%	0.324%
22	8.339	923	927	931	rVB2	211471	305587	5.67%	0.377%
23	8.398	931	937	941	rBV4	128280	265578	4.93%	0.327%
24	8.622	966	975	983	rVB6	272494	711019	13.20%	0.876%
25	8.716	984	991	993	rBV4	118610	225153	4.18%	0.277%
26	8.757	993	998	1006	rVB	482734	889183	16.51%	1.096%
27	8.834	1006	1011	1013	rBV3	139200	221535	4.11%	0.273%
28	8.875	1013	1018	1023	rVB5	256653	535055	9.94%	0.659%
29	8.957	1023	1032	1034	rBV7	109031	277192	5.15%	0.342%
30	9.010	1034	1041	1046	rVB6	99625	249959	4.64%	0.308%
31	9.169	1064	1068	1071	rVV	191781	276559	5.14%	0.341%
32	9.222	1071	1077	1084	rVB4	275218	603153	11.20%	0.743%
33	9.481	1117	1121	1131	rVB5	246825	608882	11.31%	0.750%
34	9.592	1131	1140	1145	rBV5	211560	505102	9.38%	0.623%

LSC Area Percent Report

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Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Title : SVOA CALIBRATION

35	9.669	1148	1153	1156	rBV	207971	323615	6.01%	0.399%
36	9.751	1162	1167	1174	rVB4	253921	487309	9.05%	0.601%
37	9.851	1179	1184	1188	rBV2	205500	299557	5.56%	0.369%
38	9.898	1188	1192	1202	rVB6	163389	376378	6.99%	0.464%
39	10.169	1232	1238	1242	rBV2	254701	488609	9.07%	0.602%
40	10.210	1242	1245	1249	rVB3	137820	190900	3.54%	0.235%
41	10.292	1249	1259	1266	rBV	3225204	5385094	100.00%	6.637%
42	10.428	1277	1282	1286	rVB5	119321	232889	4.32%	0.287%
43	10.481	1286	1291	1296	rVV	763939	1131754	21.02%	1.395%
44	10.539	1296	1301	1307	rVV7	148423	384000	7.13%	0.473%
45	10.604	1308	1312	1317	rVB4	156254	288705	5.36%	0.356%
46	10.710	1326	1330	1340	rVB4	168538	346289	6.43%	0.427%
47	10.798	1340	1345	1349	rBV3	167343	274408	5.10%	0.338%
48	10.980	1372	1376	1378	rBV2	141074	194640	3.61%	0.240%
49	11.080	1390	1393	1398	rVB3	188596	283883	5.27%	0.350%
50	11.151	1401	1405	1411	rVV3	240272	401042	7.45%	0.494%
51	11.233	1412	1419	1426	rVB3	355021	705598	13.10%	0.870%
52	11.345	1431	1438	1443	rBV2	1042329	1902217	35.32%	2.344%
53	11.751	1499	1507	1518	rBV	1705447	2901136	53.87%	3.576%
54	11.839	1518	1522	1526	rVV7	111658	252225	4.68%	0.311%
55	11.892	1528	1531	1534	rVV2	172548	253089	4.70%	0.312%
56	11.927	1534	1537	1539	rVV3	121066	182601	3.39%	0.225%
57	11.975	1540	1545	1552	rVB2	431873	911107	16.92%	1.123%
58	12.045	1553	1557	1561	rBV3	133599	242825	4.51%	0.299%
59	12.192	1578	1582	1587	rBV3	138619	318552	5.92%	0.393%
60	12.363	1607	1611	1614	rBV5	111661	188987	3.51%	0.233%
61	12.398	1614	1617	1621	rVV2	230829	370069	6.87%	0.456%
62	12.445	1621	1625	1632	rVB3	309001	573192	10.64%	0.706%
63	12.510	1632	1636	1643	rVB2	230789	365589	6.79%	0.451%
64	12.586	1644	1649	1658	rVB3	412664	808001	15.00%	0.996%
65	12.669	1659	1663	1668	rBV3	291612	479424	8.90%	0.591%
66	12.727	1668	1673	1677	rBV	946580	1271969	23.62%	1.568%
67	13.022	1718	1723	1730	rVV2	1016435	1716376	31.87%	2.115%
68	13.110	1734	1738	1745	rBV4	204260	340517	6.32%	0.420%
69	13.333	1773	1776	1784	rBV7	108113	235266	4.37%	0.290%
70	13.498	1800	1804	1807	rBV3	121204	197077	3.66%	0.243%
71	13.545	1809	1812	1817	rVV6	247562	430720	8.00%	0.531%

LSC Area Percent Report

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Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Title : SVOA CALIBRATION

72	13.598	1817	1821	1826	rVV	662153	887655	16.48%	1.094%
73	13.686	1826	1836	1840	rVV2	1208465	2320356	43.09%	2.860%
74	13.727	1840	1843	1849	rVV3	446310	684835	12.72%	0.844%
75	13.804	1853	1856	1860	rVB	236875	285144	5.30%	0.351%
76	13.904	1869	1873	1878	rBV3	192710	426410	7.92%	0.526%
77	14.010	1887	1891	1895	rBV	389879	502752	9.34%	0.620%
78	14.104	1902	1907	1911	rBV	921489	1294875	24.05%	1.596%
79	14.180	1911	1920	1931	rVB	2717276	4583701	85.12%	5.649%
80	14.557	1980	1984	1985	rBV3	188044	260843	4.84%	0.321%
81	14.610	1991	1993	2000	rVB2	223016	281621	5.23%	0.347%
82	14.668	2000	2003	2006	rVB	186347	211306	3.92%	0.260%
83	14.727	2009	2013	2020	rVB2	882282	1264112	23.47%	1.558%
84	14.798	2022	2025	2030	rBV2	274757	453407	8.42%	0.559%
85	14.974	2051	2055	2059	rVB3	465486	651115	12.09%	0.802%
86	15.063	2067	2070	2075	rBV	745266	944614	17.54%	1.164%
87	15.474	2133	2140	2145	rBV	1354117	2458357	45.65%	3.030%
88	15.621	2162	2165	2170	rVB3	325581	486680	9.04%	0.600%
89	15.674	2170	2174	2181	rBV4	445687	977291	18.15%	1.204%
90	15.927	2213	2217	2218	rBV2	1129650	1233014	22.90%	1.520%
91	15.957	2218	2222	2231	rVV	2352597	3824760	71.02%	4.714%
92	16.051	2235	2238	2241	rBV2	315910	377751	7.01%	0.466%
93	16.721	2349	2352	2355	rBV	853661	1055662	19.60%	1.301%
94	16.774	2357	2361	2366	rVV	1801914	2567988	47.69%	3.165%
95	16.927	2383	2387	2391	rBV	2477471	3534293	65.63%	4.356%
96	17.380	2461	2464	2468	rBV	875158	1140704	21.18%	1.406%
97	17.462	2475	2478	2482	rVB	1055036	1219926	22.65%	1.504%
98	18.156	2593	2596	2601	rBV	1154526	1642924	30.51%	2.025%
99	18.621	2672	2675	2680	rBV	2185038	2930498	54.42%	3.612%
100	19.556	2831	2834	2835	rBV2	2447548	2686946	49.90%	3.312%

Sum of corrected areas: 81138296

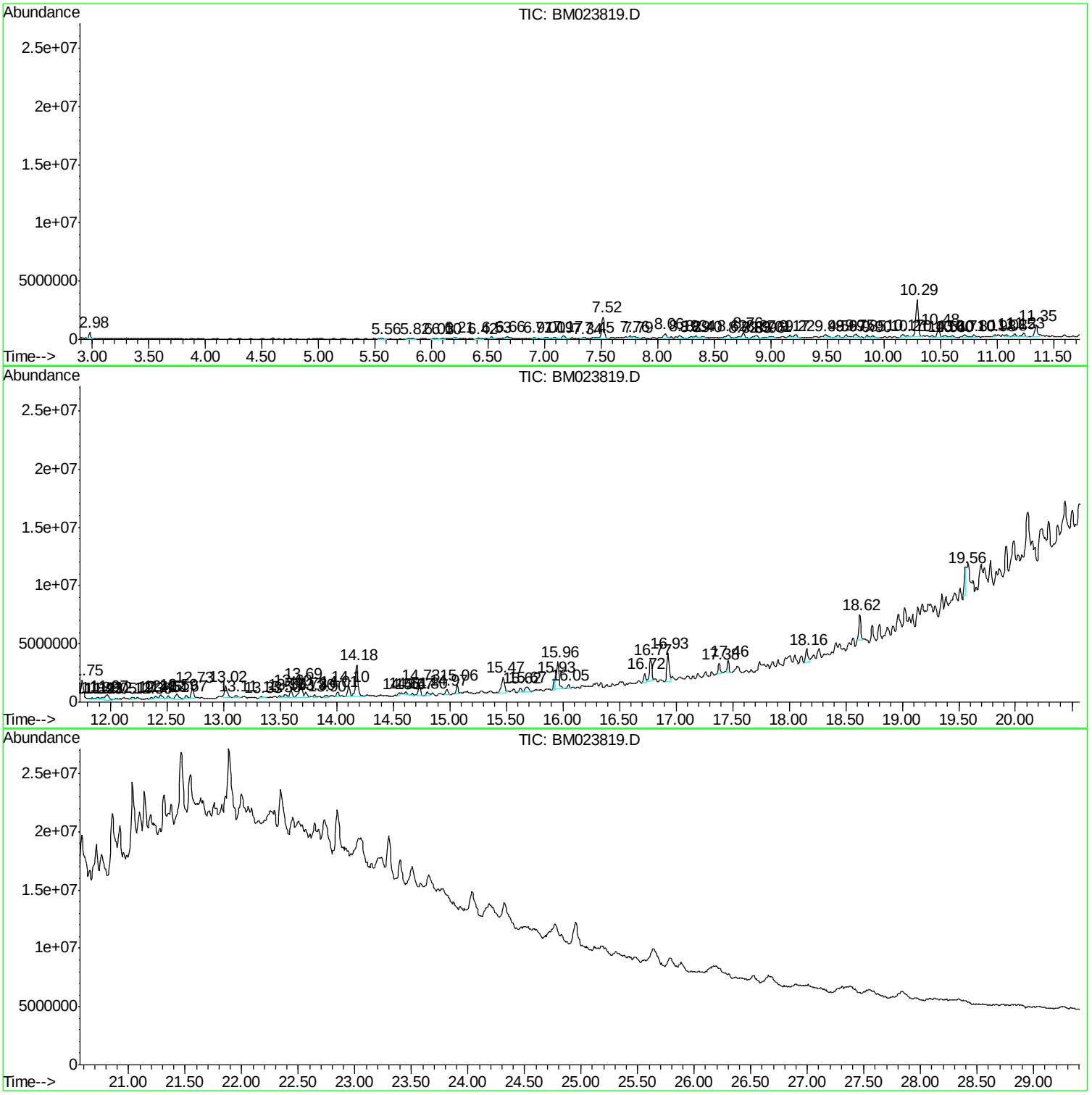
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

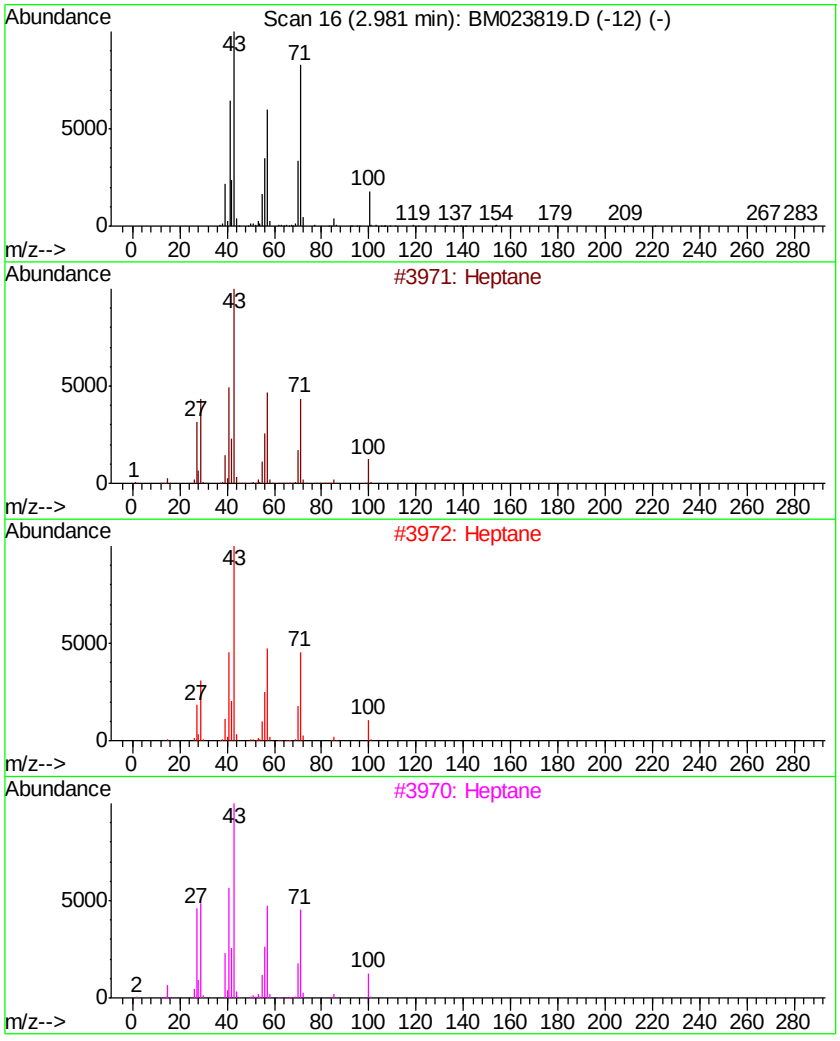
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

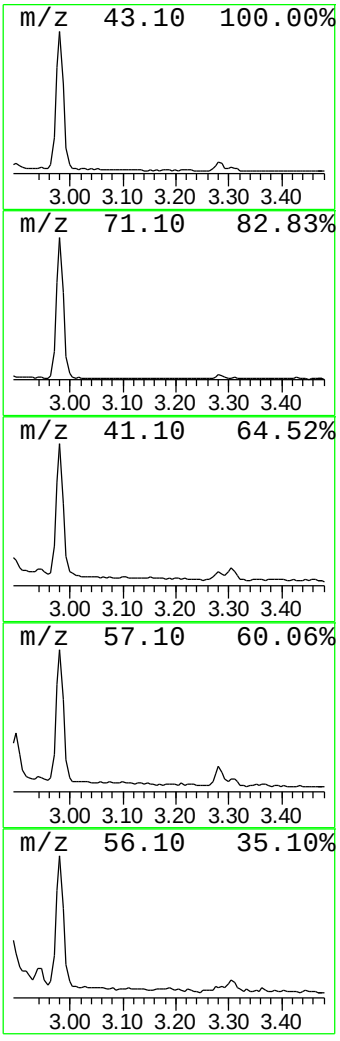
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	3.88 ng/ul	558157	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	91
3	Heptane	100	C7H16	000142-82-5	90
4	Isobutyl pentyl carbonate	188	C10H20O3	178442-32-5	72
5	Heptane	100	C7H16	000142-82-5	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

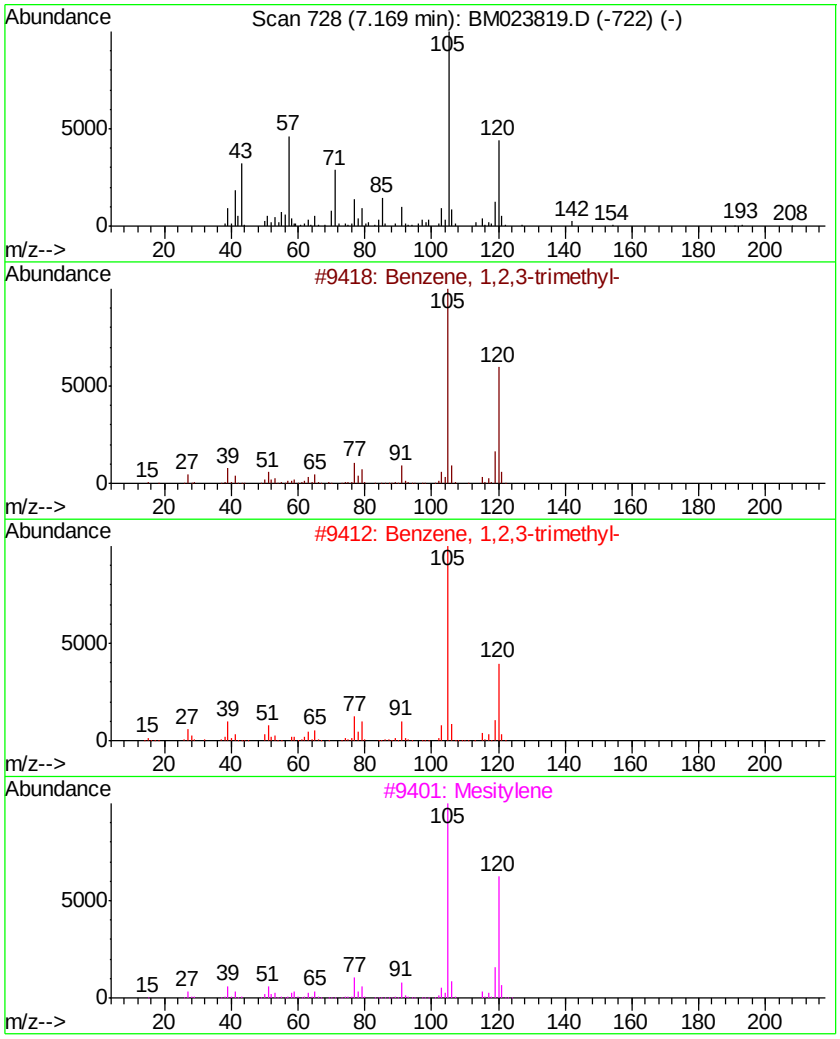
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

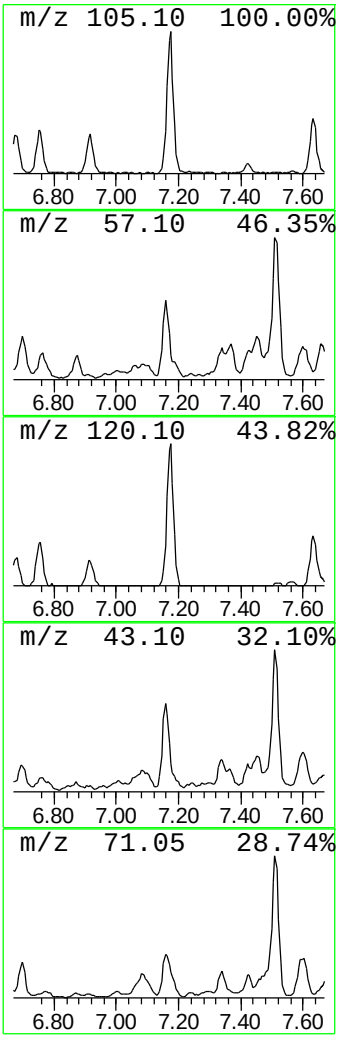
****

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	3.71 ng/ul	533906	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Mesitylene	120	C9H12	000108-67-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
5	Mesitylene	120	C9H12	000108-67-8	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

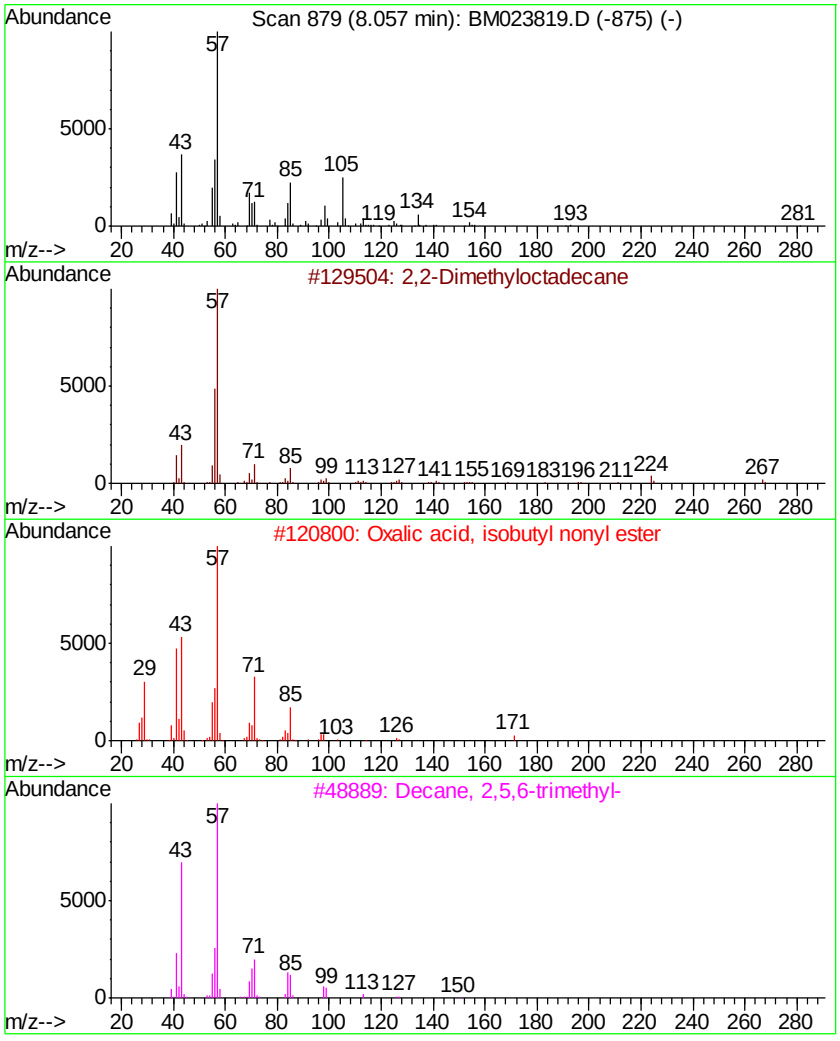
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

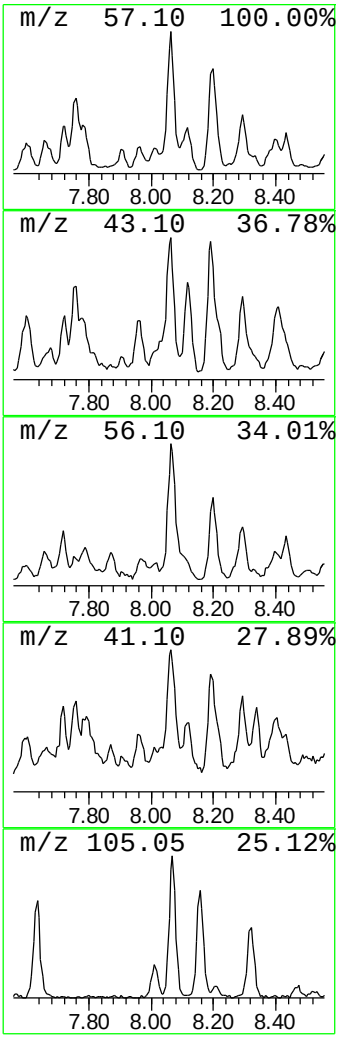
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	4.78 ng/ul	688051	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyloctadecane	282	C20H42	1000360-43-2	47
2	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	47
3	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	47
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	43
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

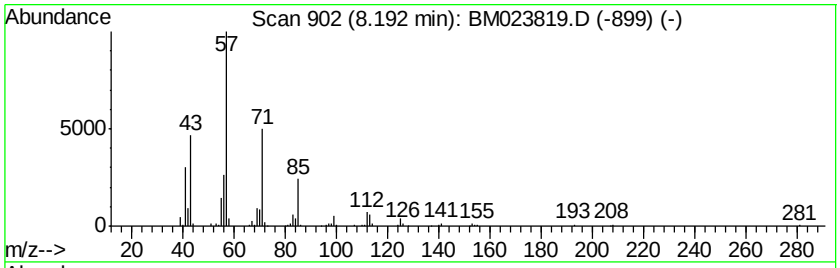
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

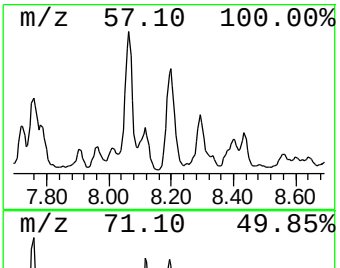
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.19	3.07 ng/ul	441796	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
2	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	59
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	59
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	59
5	Decane, 3-methyl-	156	C11H24	013151-34-3	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

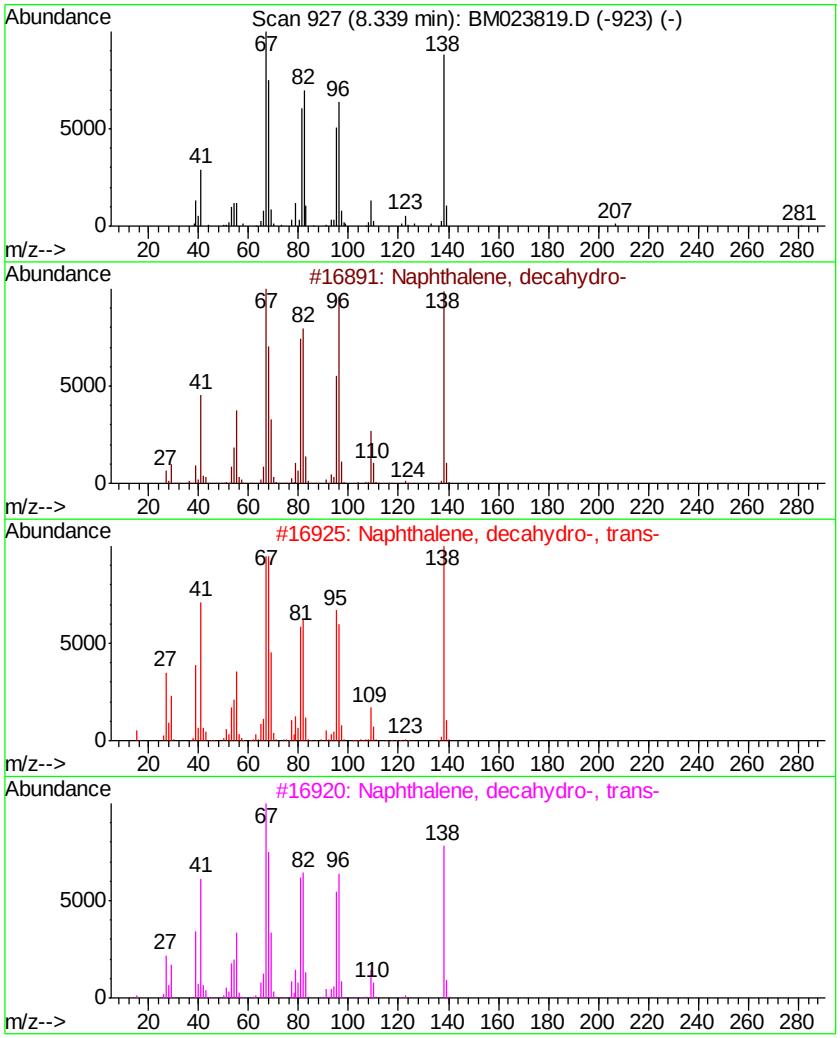
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

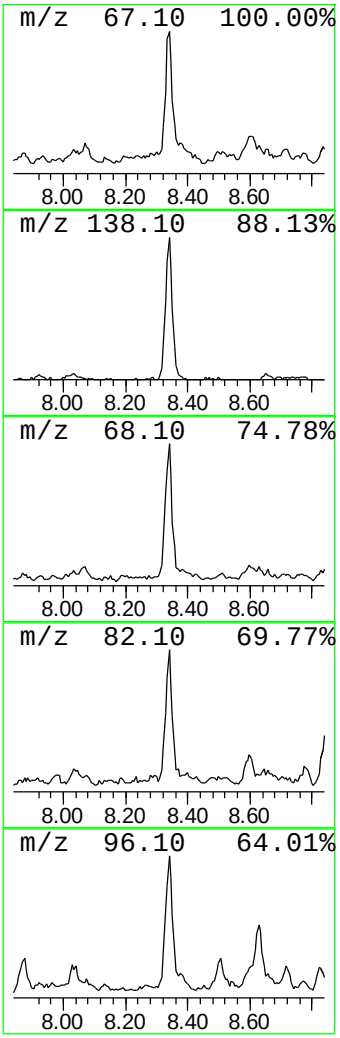
****

Peak Number 5 Naphthalene, decahydro- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	2.12 ng/ul	305587	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	94
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	91
3	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	91
4	Naphthalene, decahydro-	138	C10H18	000091-17-8	91
5	2-Cyclohexen-1-one, 4-(1-methyle...	138	C9H14O	000500-02-7	83





Library Search Compound Report

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Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

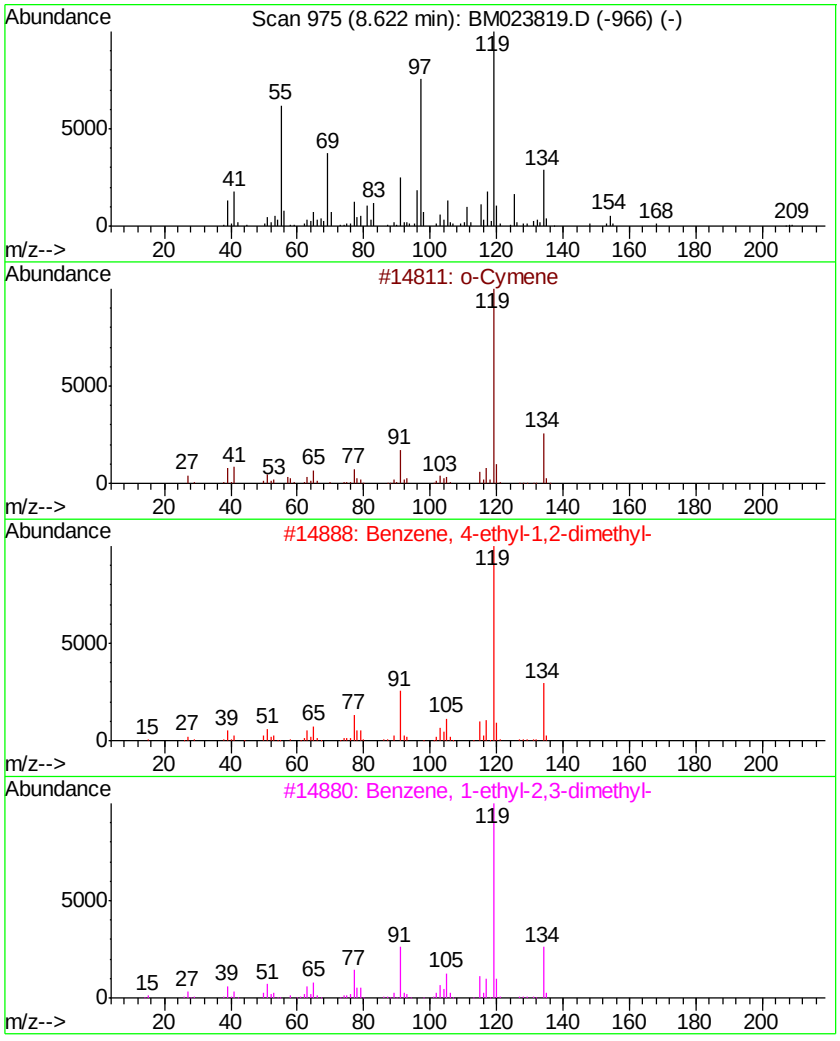
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

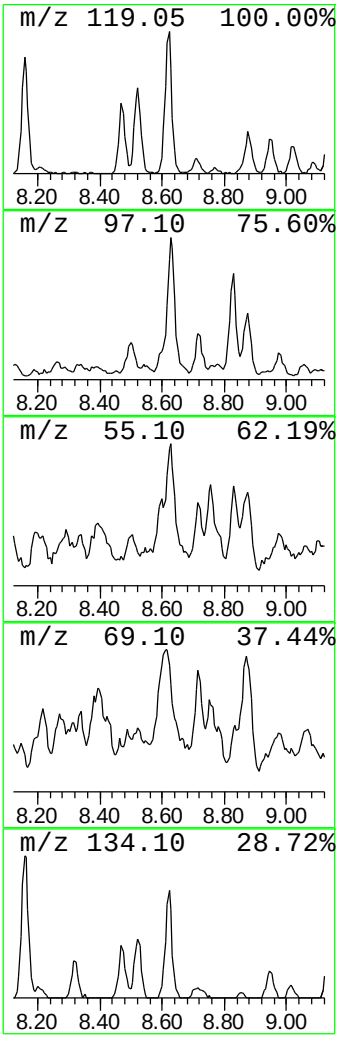
****

Peak Number 6 o-Cymene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	4.94 ng/ul	711019	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	90
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	89
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
4	p-Cymene	134	C10H14	000099-87-6	86
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50





Library Search Compound Report

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Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

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Quant Title : SVOA CALIBRATION

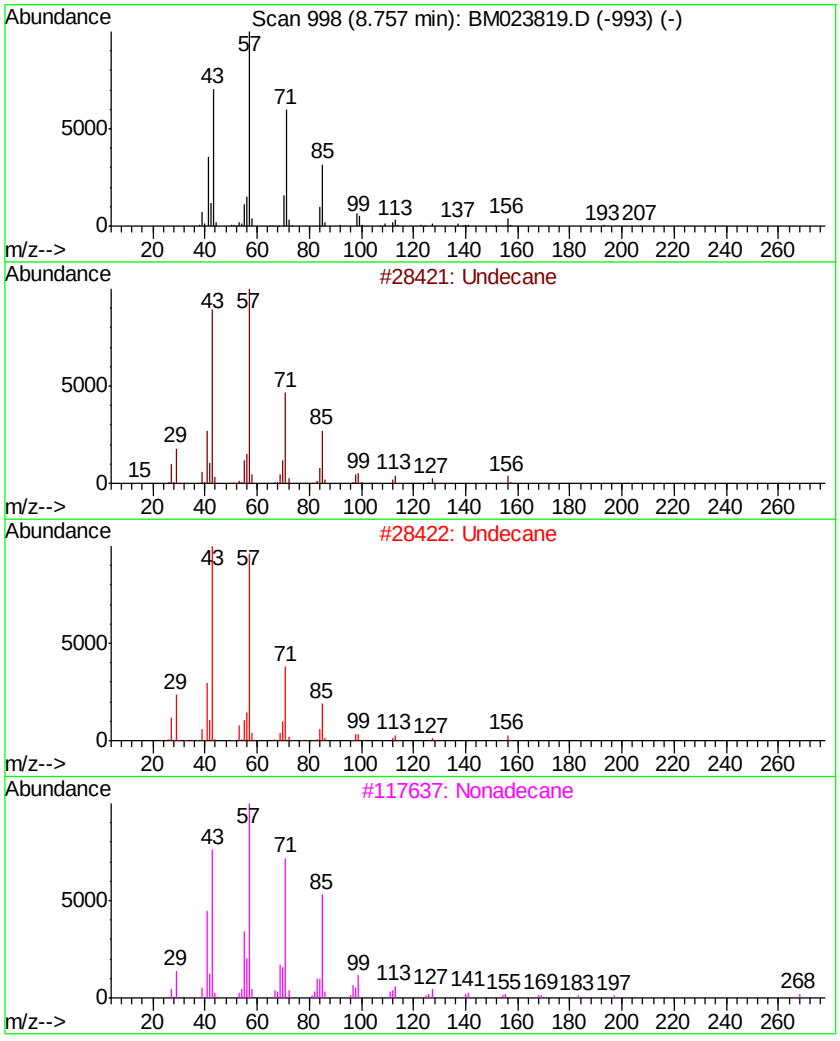
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

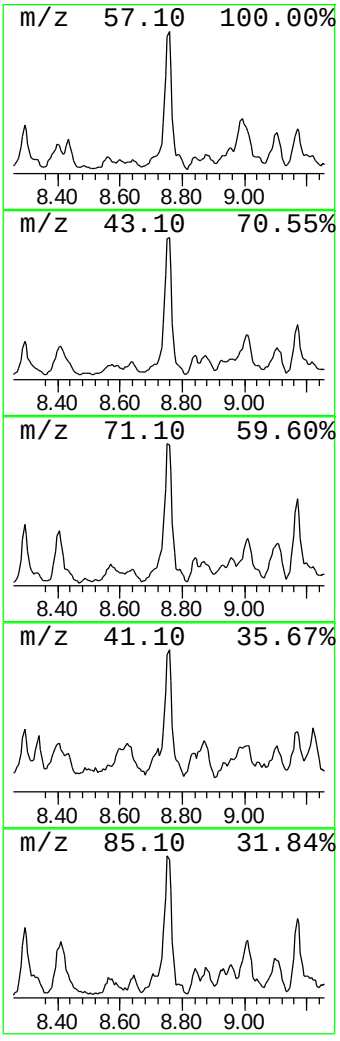
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	6.17 ng/ul	889183	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Undecane	156	C11H24	001120-21-4	91
3	Nonadecane	268	C19H40	000629-92-5	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Tridecane	184	C13H28	000629-50-5	78





Library Search Compound Report

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Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

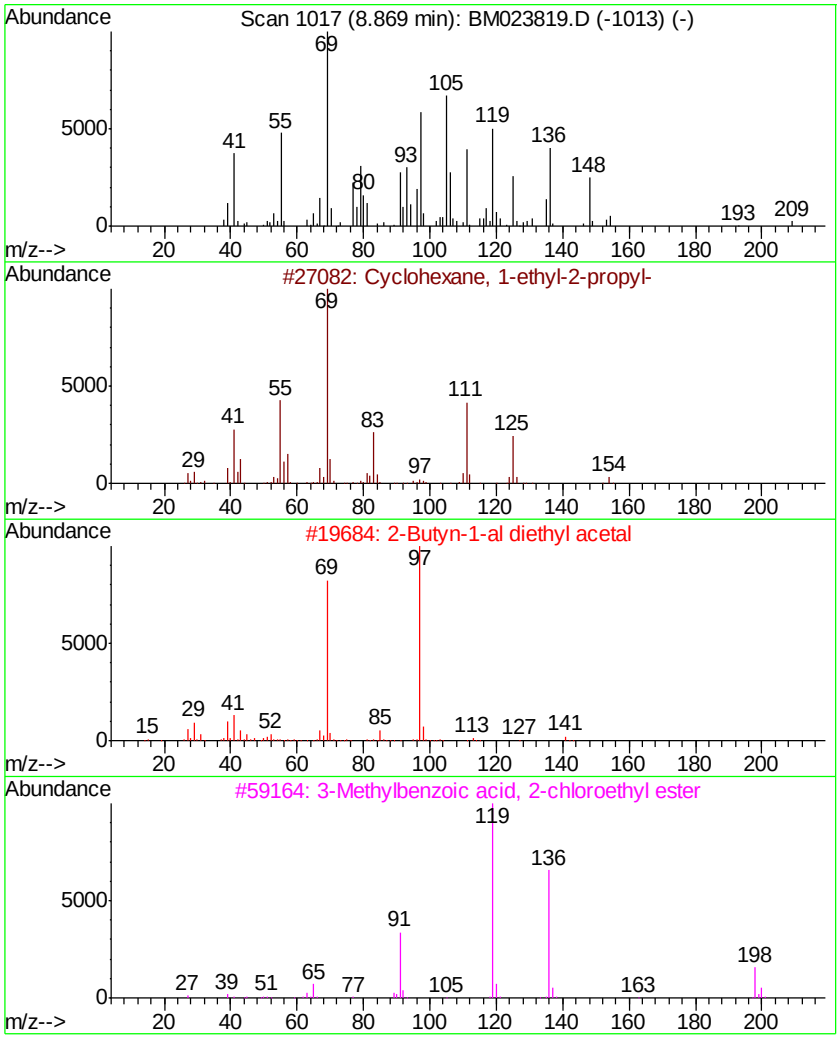
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

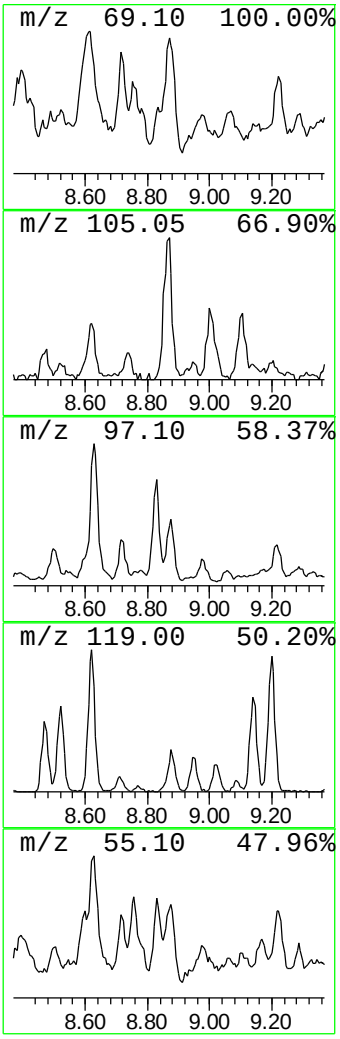
****

Peak Number 8 (DEL) Alkane: Cyclic8.87 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	3.71 ng/ul	535055	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	30
2	2-Butyn-1-al diethyl acetal	142	C8H14O2	002806-97-5	27
3	3-Methylbenzoic acid, 2-chloroet...	198	C10H11ClO2	1000331-25-8	14
4	Neryl nitrile	149	C10H15N	1000108-90-5	11
5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	11





Library Search Compound Report

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Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

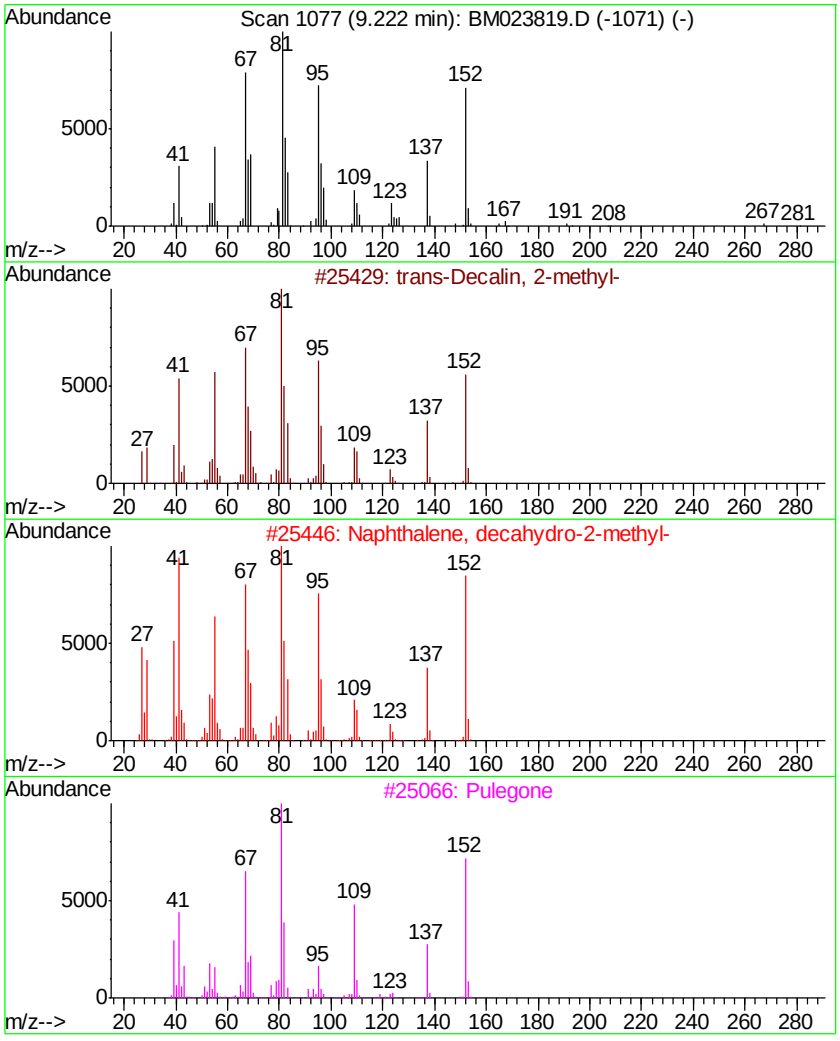
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

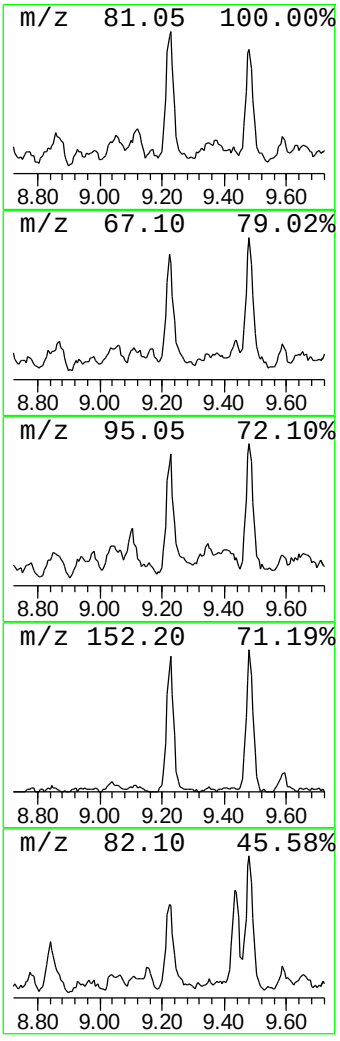
****

Peak Number 9 trans-Decalin, 2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	2.24 ng/ul	603153	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	94
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
3	Pulegone	152	C10H16O	000089-82-7	81
4	Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	81
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	80





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Acq On : 20 Nov 2019 05:07
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Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

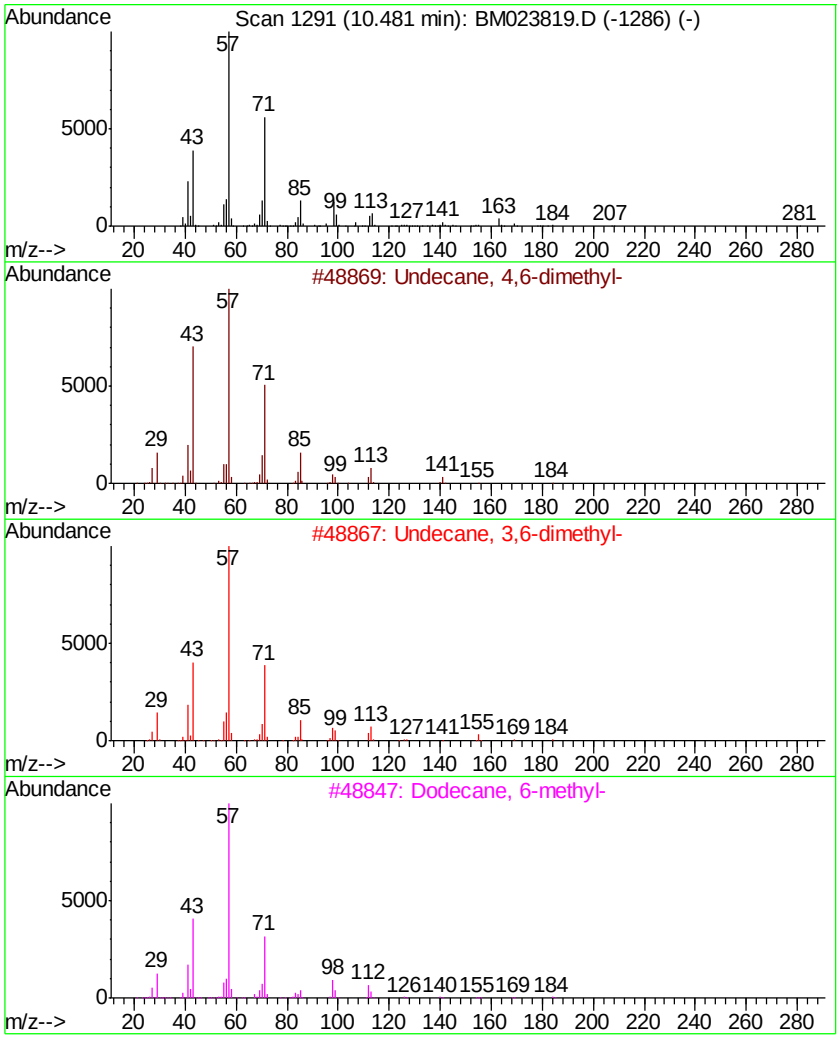
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

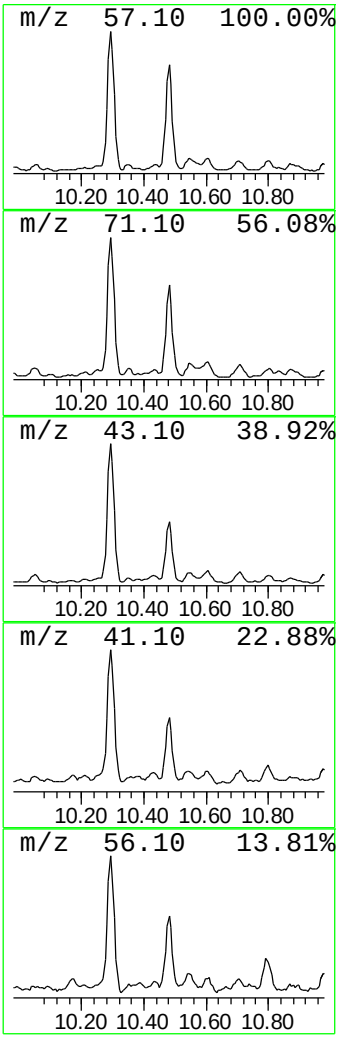
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	4.20 ng/ul	1131750	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	78
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	76
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	70
4	Undecane, 6-ethyl-	184	C13H28	017312-60-6	64
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	59





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Acq On : 20 Nov 2019 05:07
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Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

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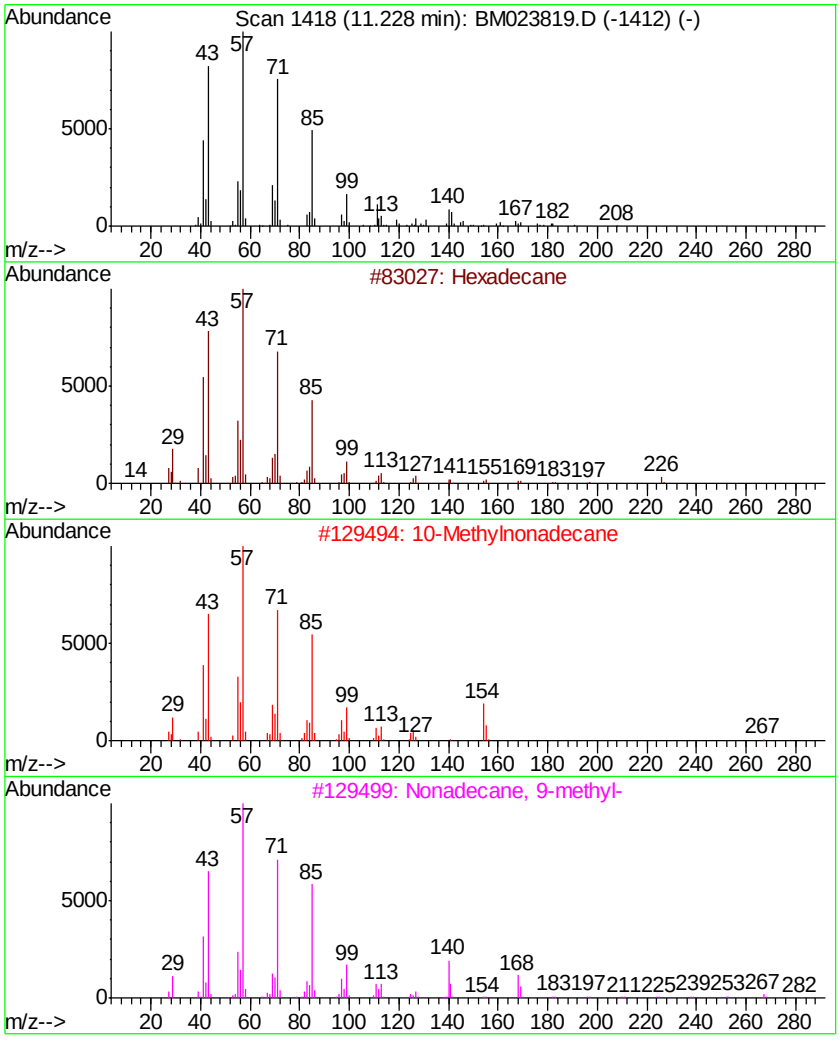
Quant Title : SVOA CALIBRATION

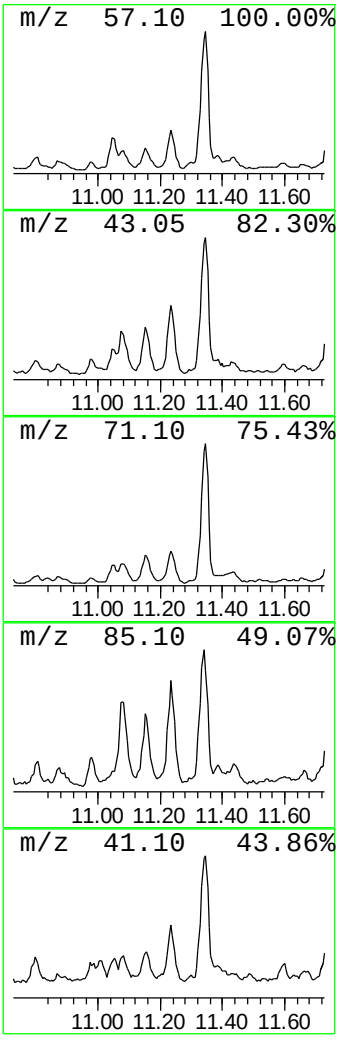
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	2.62 ng/ul	705598	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	83
2	10-Methylnonadecane	282	C20H42	056862-62-5	80
3	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	80
4	Nonadecane	268	C19H40	000629-92-5	80
5	Hexacosane	366	C26H54	000630-01-3	80





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Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

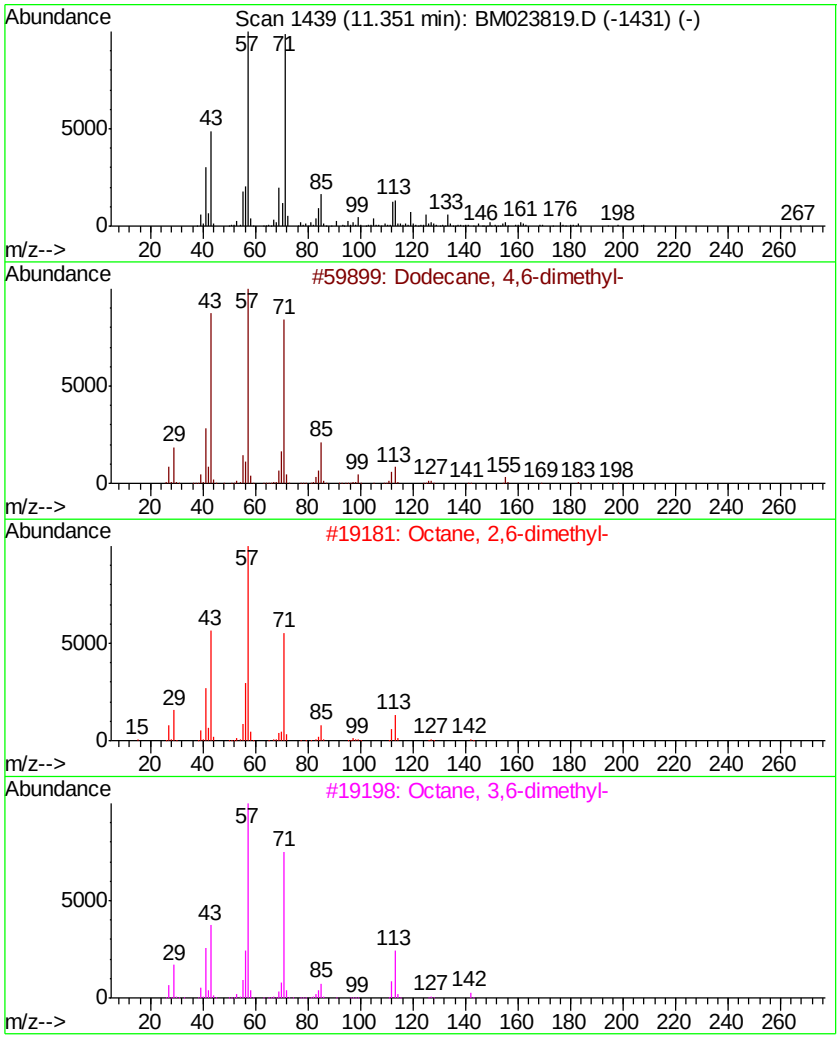
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

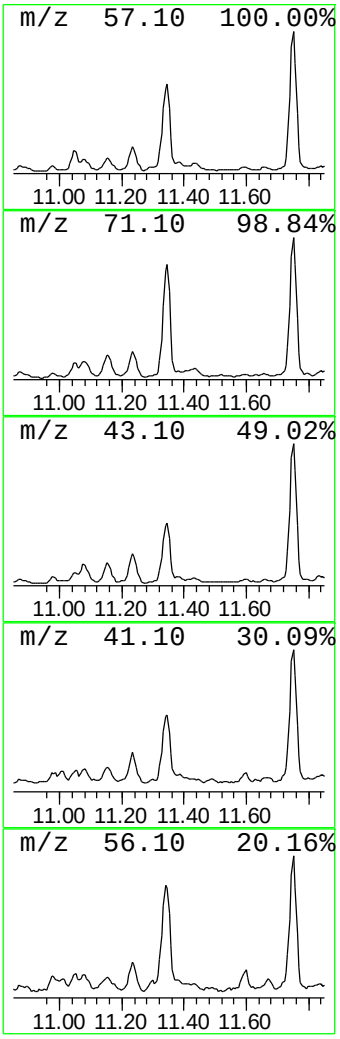
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	7.06 ng/ul	1902220	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	90
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
4	Heptane, 3-[(ethenyloxy)methyl]-	156	C10H20O	000103-44-6	64
5	Sulfurous acid, pentyl undecyl e...	306	C16H34O3S	1000309-14-4	64





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Misc :
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Instrument : BNA_M
ClientSampleId : BFPS3

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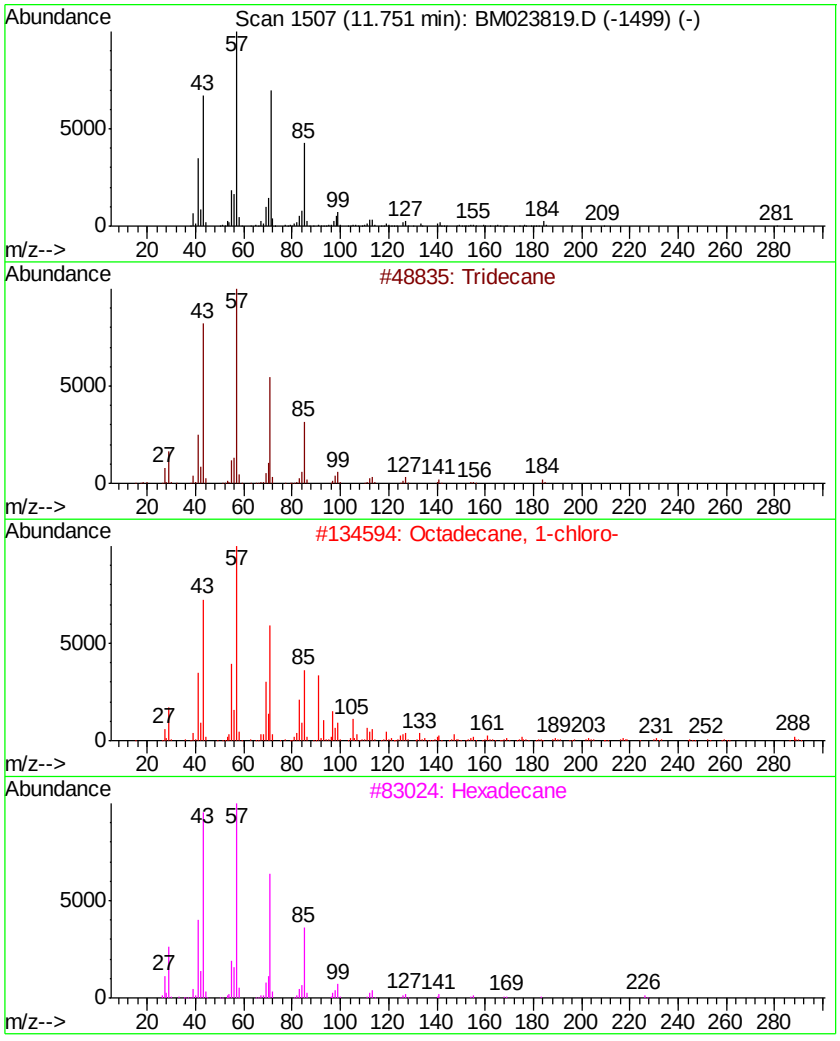
Quant Title : SVOA CALIBRATION

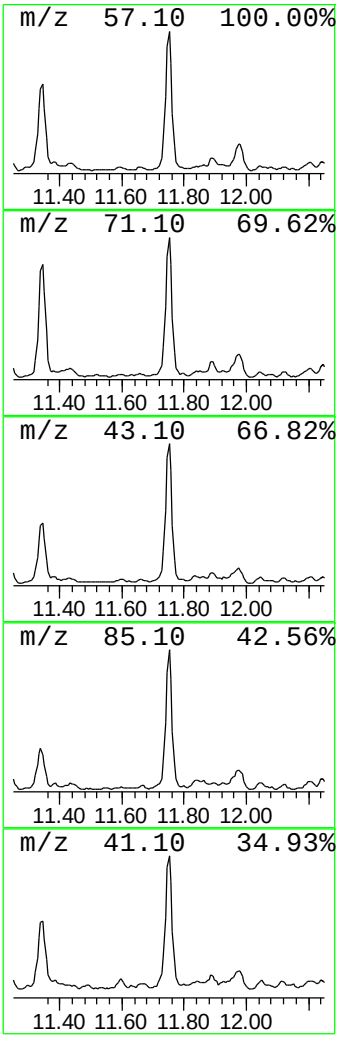
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	10.77 ng/ul	2901140	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	83
3	Hexadecane	226	C16H34	000544-76-3	83
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	80
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78





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Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

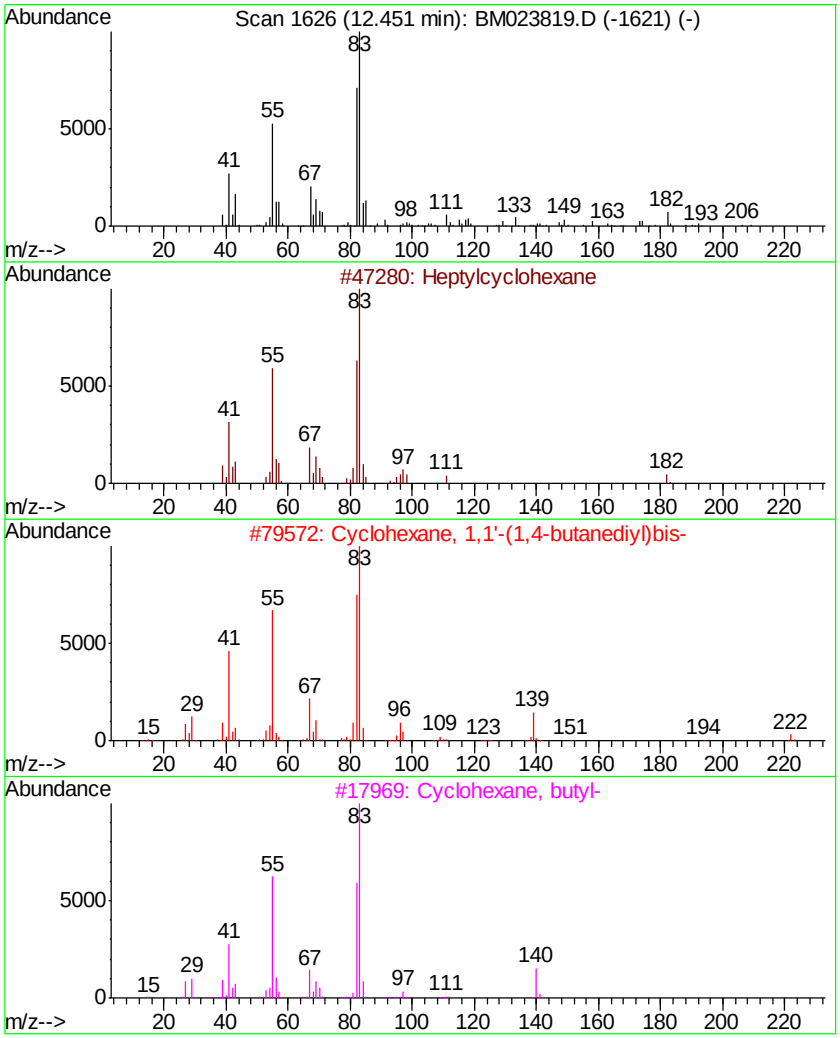
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

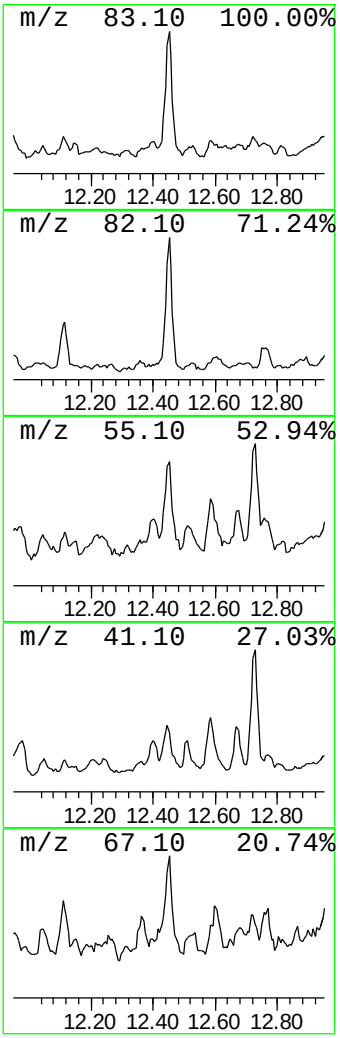
****

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	2.50 ng/ul	573192	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	64
2	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	50
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	50
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	50
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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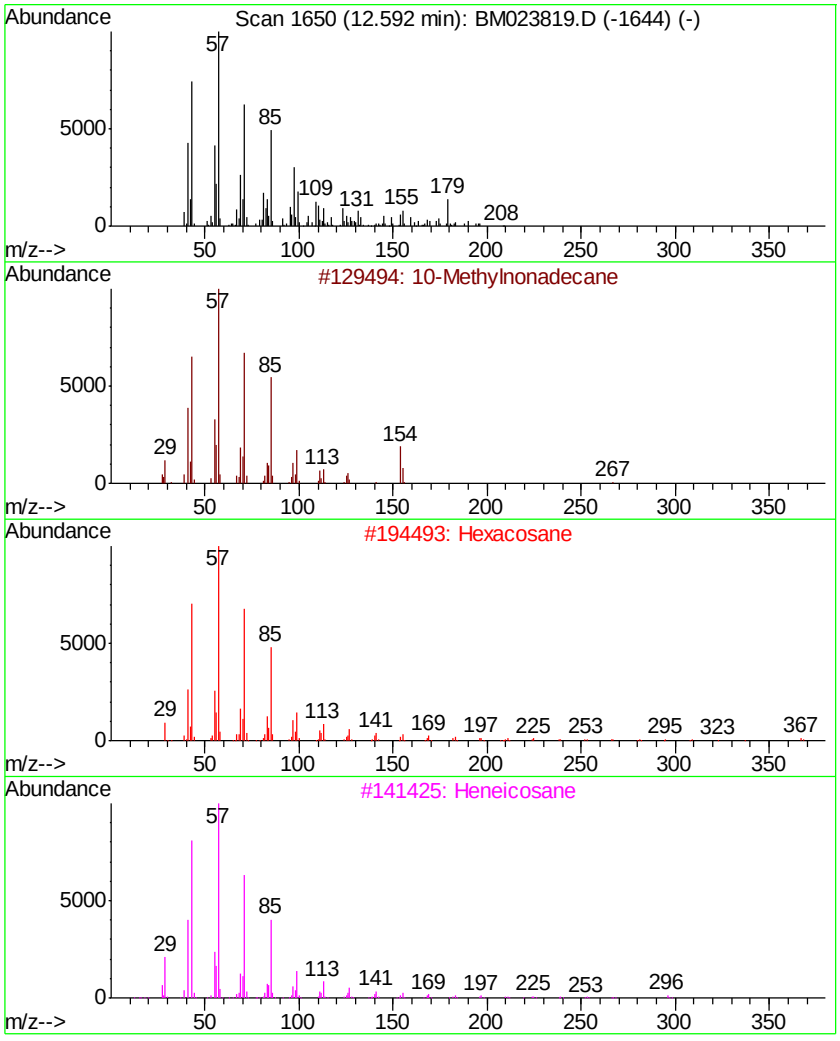
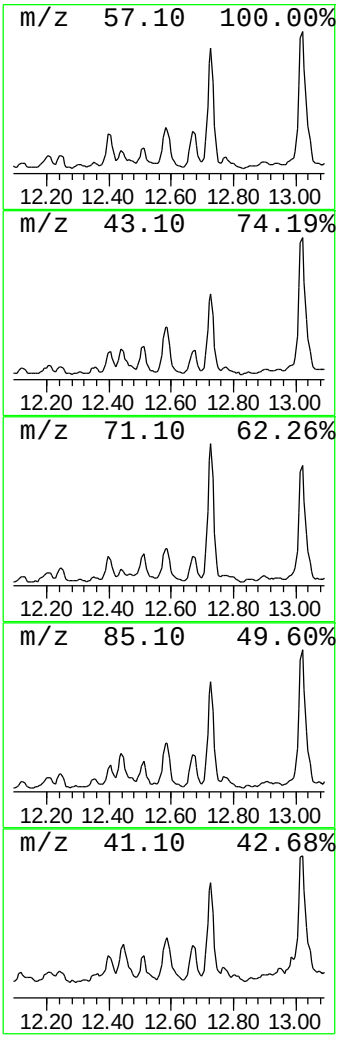
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	3.53 ng/ul	808001	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylnonadecane	282	C20H42	056862-62-5	87
2	Hexacosane	366	C26H54	000630-01-3	86
3	Heneicosane	296	C21H44	000629-94-7	80
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	80
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	80





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Instrument : BNA_M
ClientSampleId : BFPS3

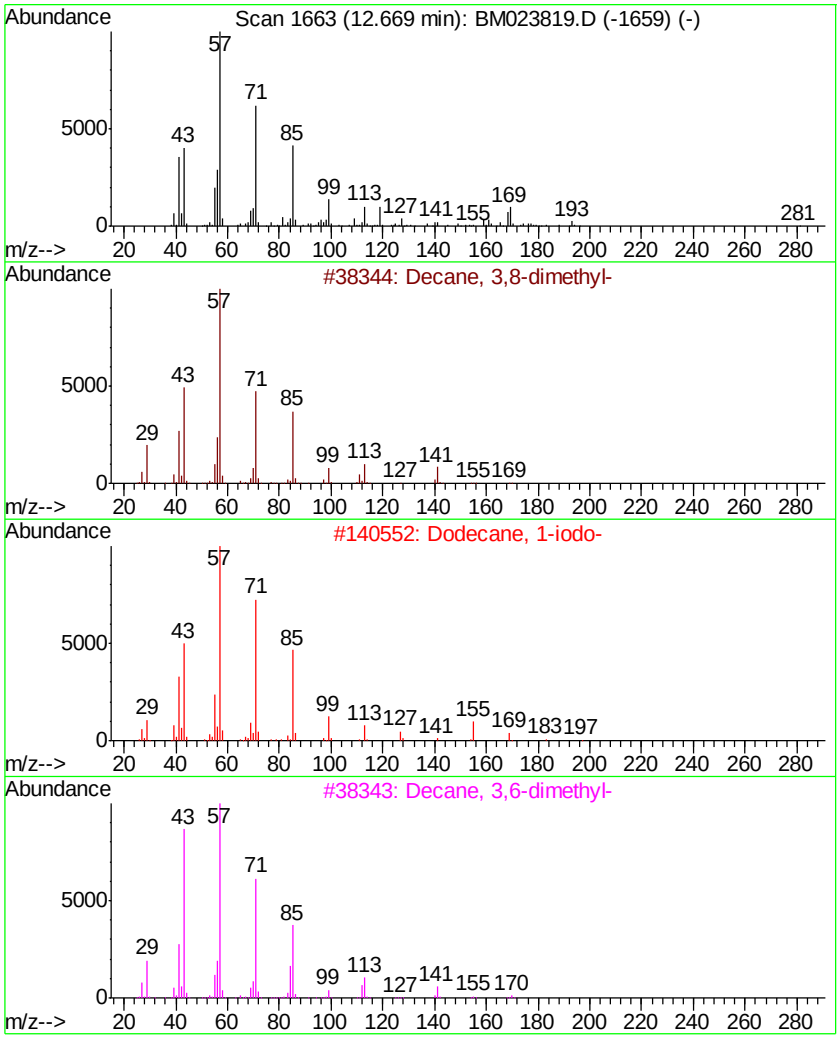
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

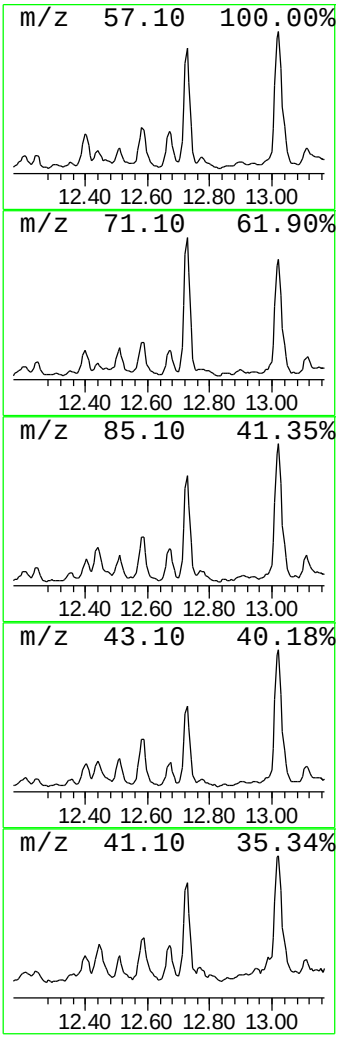
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	2.09 ng/ul	479424	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	64
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
3	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	64
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	64
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	64





Library Search Compound Report

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Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

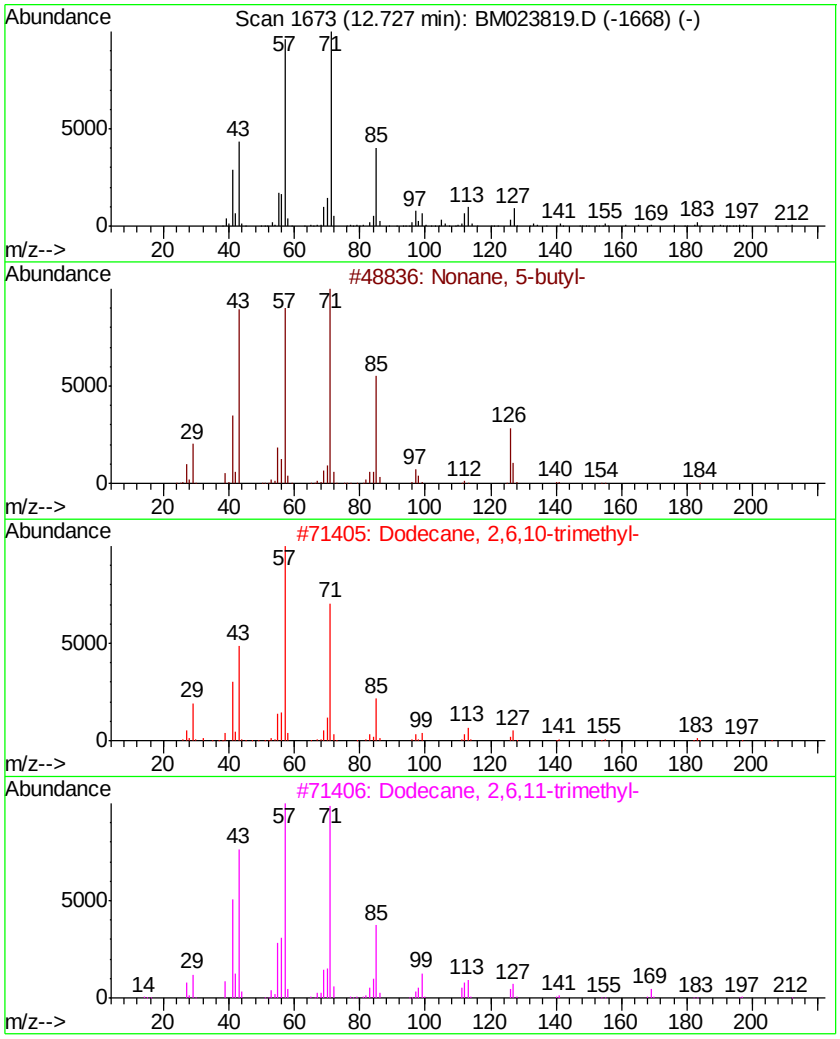
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

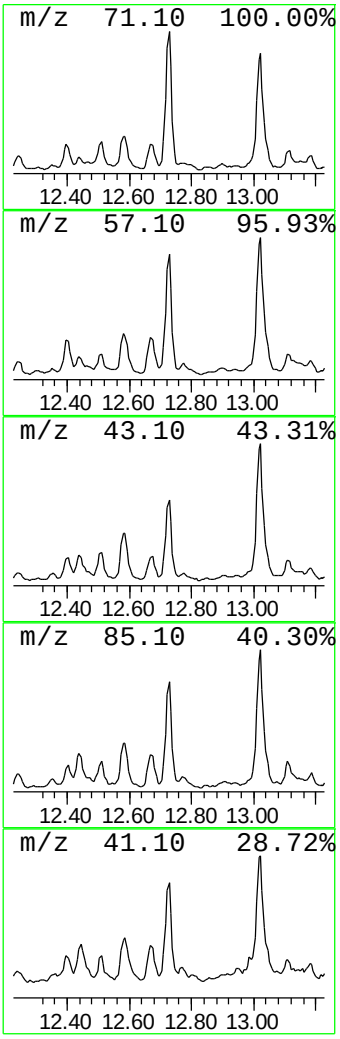
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	5.55 ng/ul	1271970	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-butyl-	184	C13H28	017312-63-9	83
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
4	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	78
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72





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Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

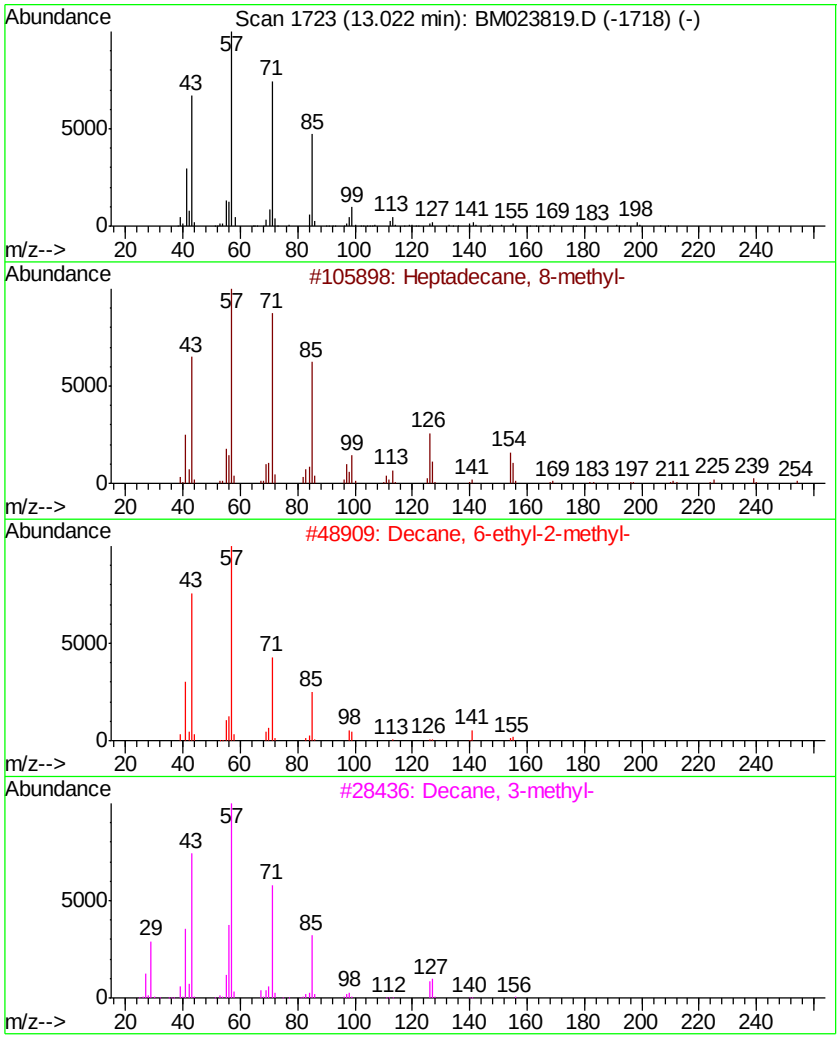
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

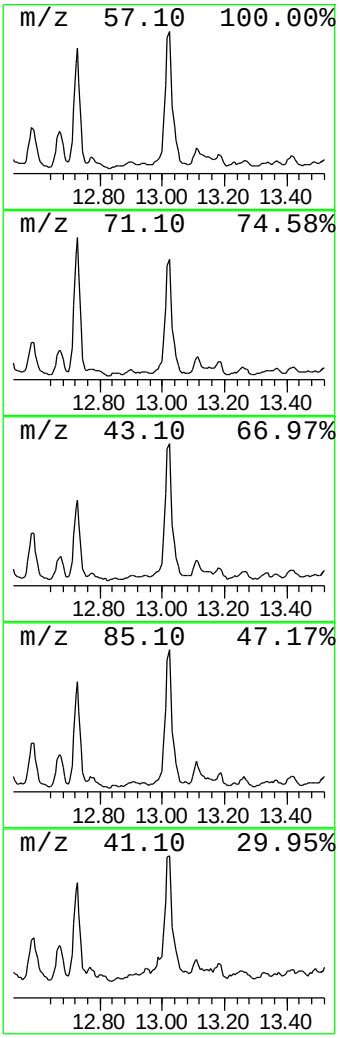
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	7.49 ng/ul	1716380	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	78
2	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	78
3	Decane, 3-methyl-	156	C11H24	013151-34-3	72
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	52
5	Sulfurous acid, octyl 2-propyl e...	236	C11H24O3S	1000309-11-9	50





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Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

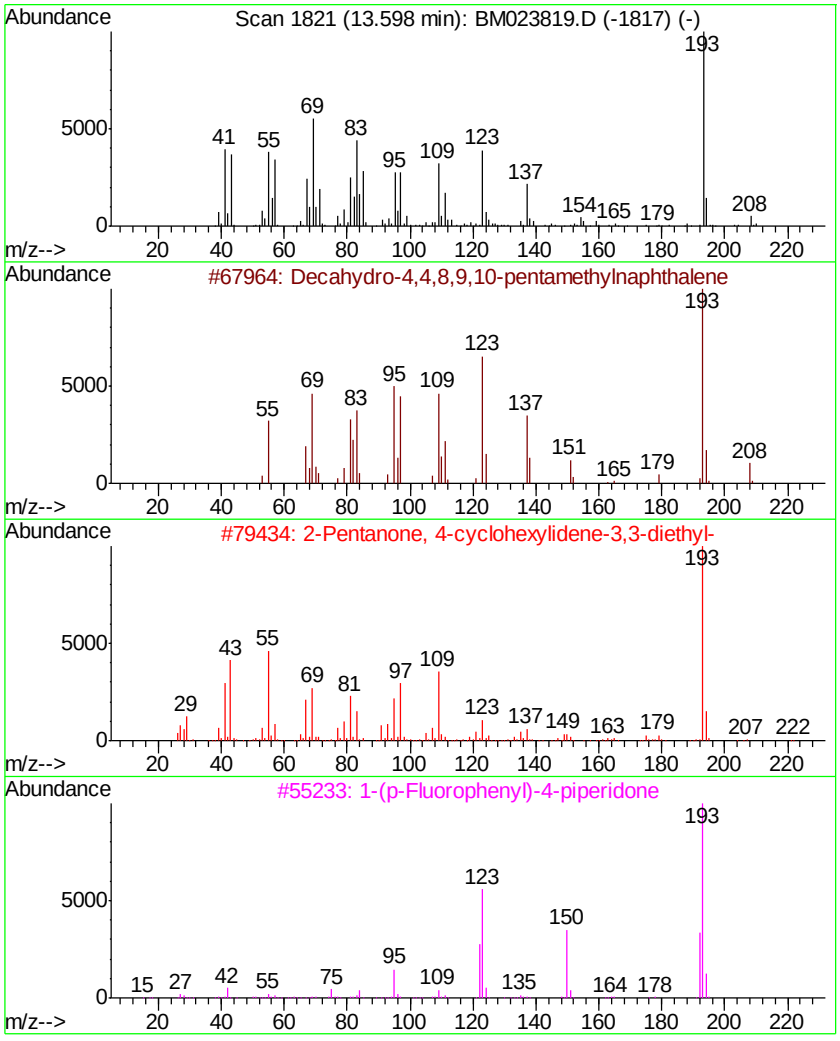
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

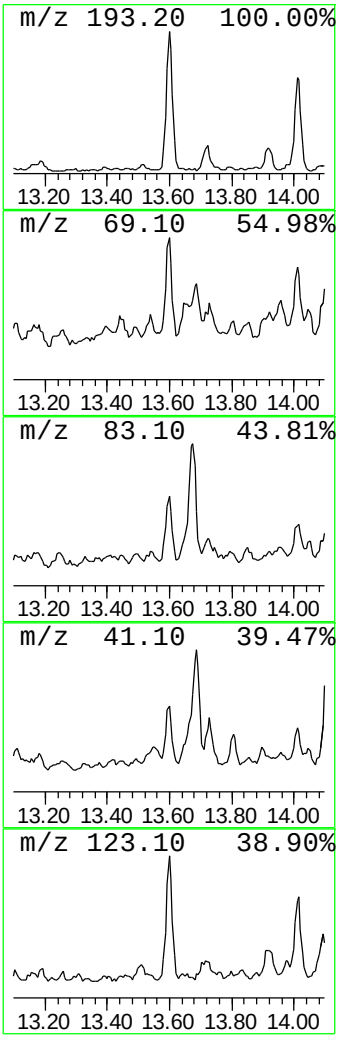
****

Peak Number 20 Decahydro-4,4,8,9,10-pentam... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	3.87 ng/ul	887655	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	52
2	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	43
3	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	43
4	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	40
5	9-Phenanthrenamine	193	C14H11N	000947-73-9	22





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Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

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Quant Title : SVOA CALIBRATION

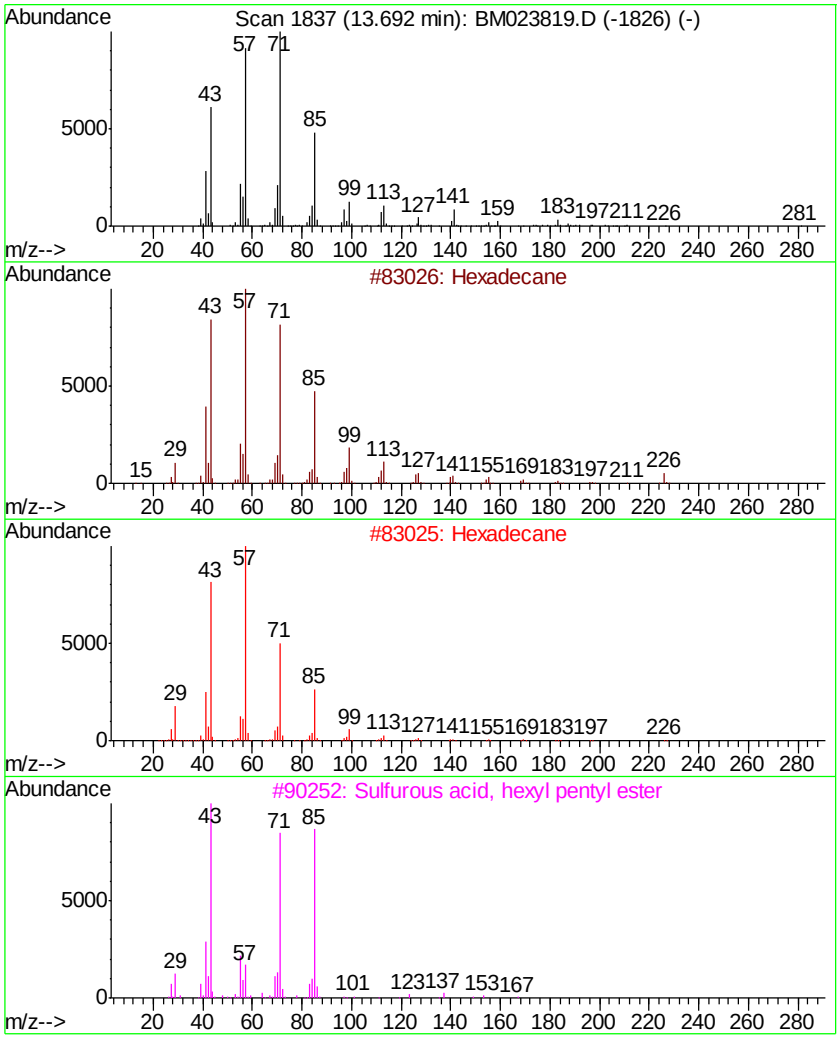
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

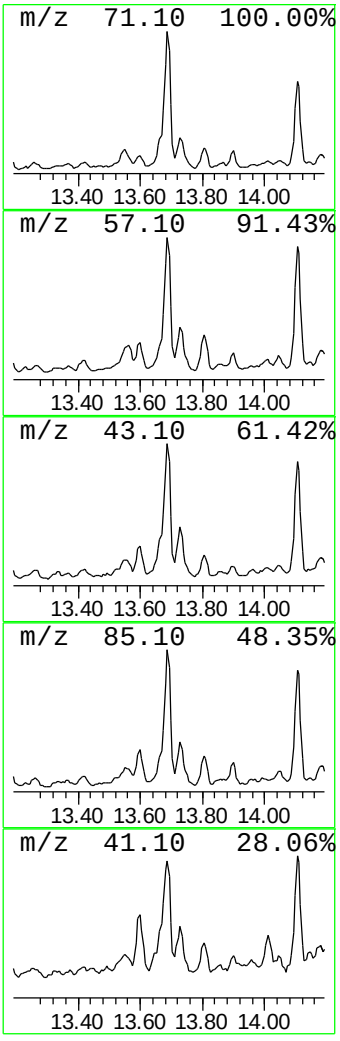
****

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	10.12 ng/ul	2320360	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Hexadecane	226	C16H34	000544-76-3	72
3	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	64
4	Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	59
5	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	59





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Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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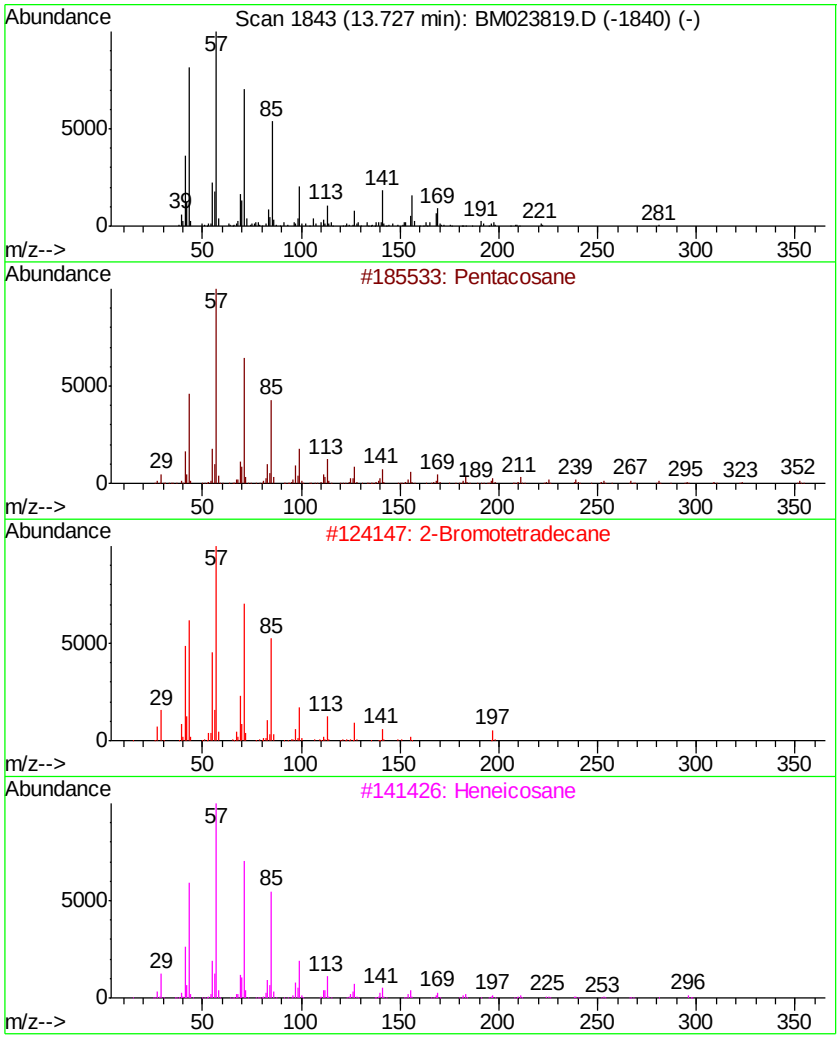
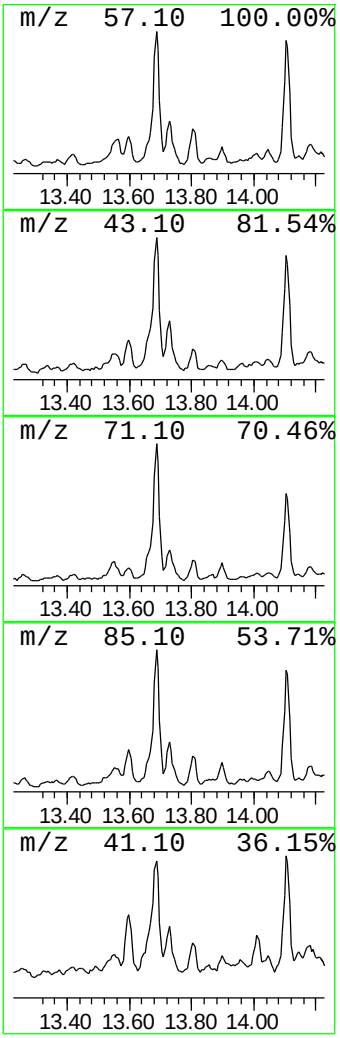
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	2.99 ng/ul	684835	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	80
2	2-Bromotetradecane	276	C14H29Br	074036-95-6	74
3	Heneicosane	296	C21H44	000629-94-7	74
4	Heneicosane	296	C21H44	000629-94-7	72
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	64





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Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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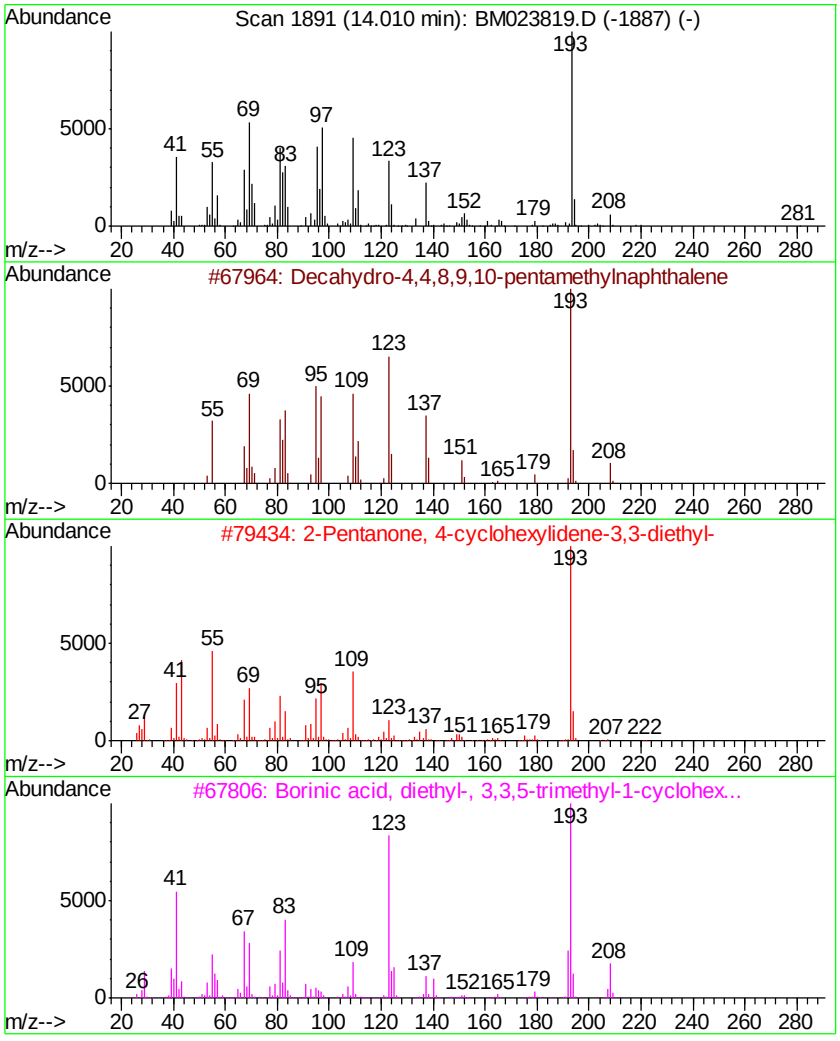
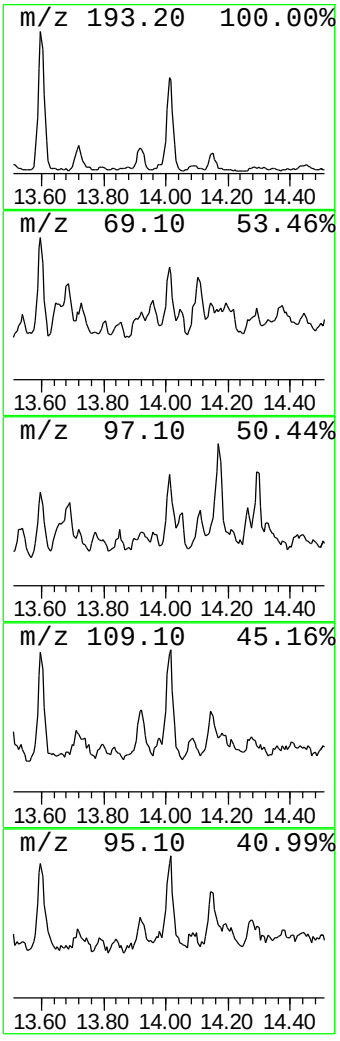
Peak Number 23 unknown-01 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	2.19 ng/ul	502752	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	49
2	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	42
3	Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	25
4	1H-Pyrazole, 3,5-bis(1,1-dimethy...	208	C13H24N2	125281-21-2	16
5	[1,1'-Biphenyl]-4-acetonitrile	193	C14H11N	031603-77-7	14





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Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

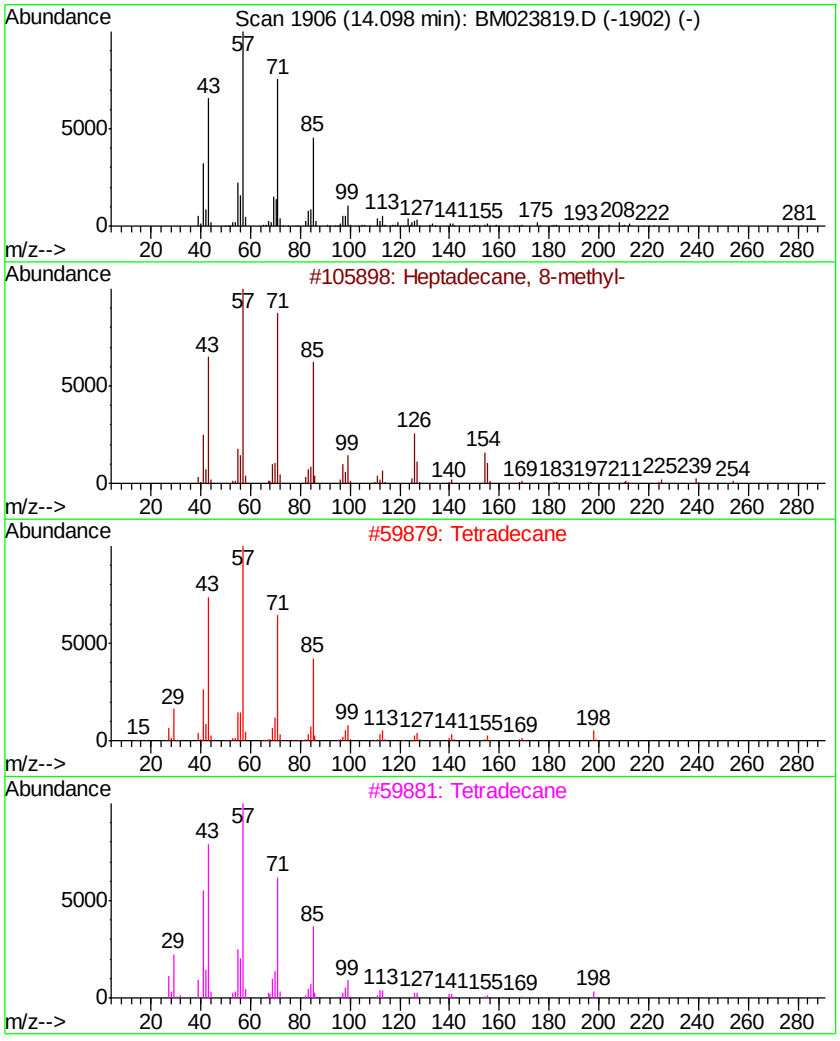
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

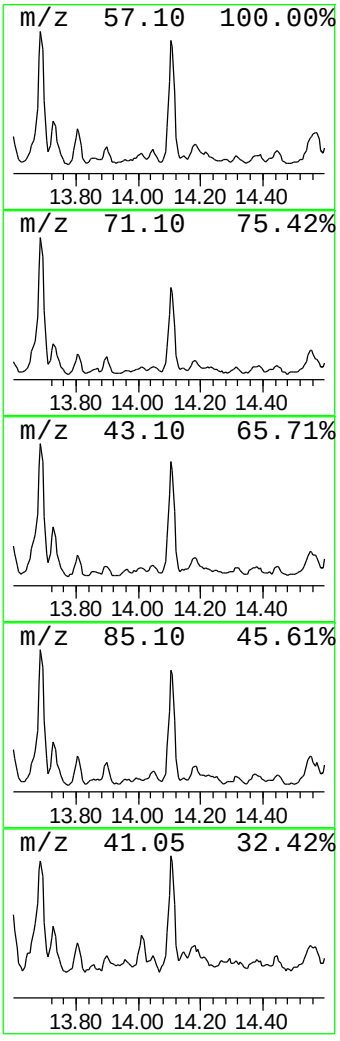
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	5.65 ng/ul	1294880	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	90
2	Tetradecane	198	C14H30	000629-59-4	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	86
5	Tetracosane	338	C24H50	000646-31-1	86





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Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

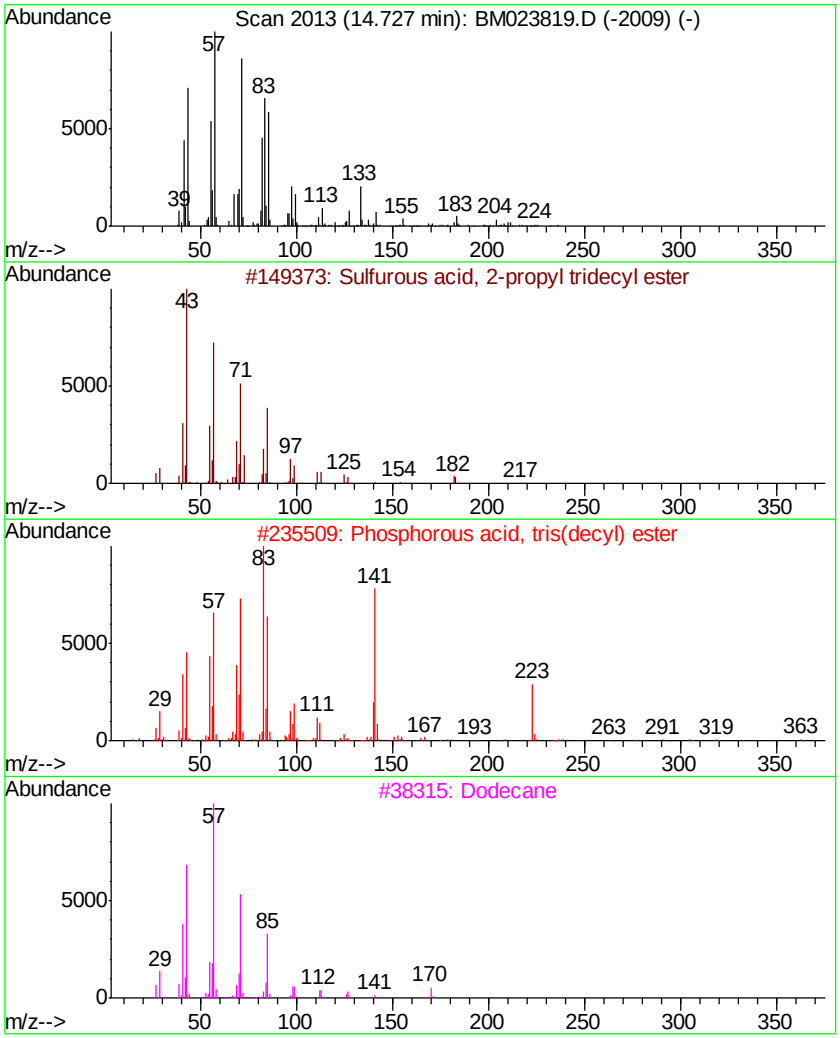
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

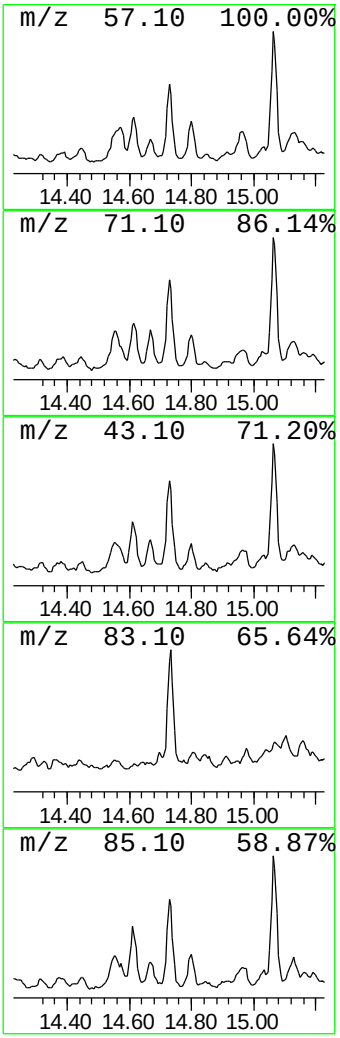
****

Peak Number 25 Sulfurous acid, 2-propyl tr... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	5.52 ng/ul	1264110	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	64
2	Phosphorous acid, tris(decyl) ester	502	C30H63O3P	002929-86-4	58
3	Dodecane	170	C12H26	000112-40-3	55
4	Tridecane	184	C13H28	000629-50-5	55
5	Hexacosane	366	C26H54	000630-01-3	53





Library Search Compound Report

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Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

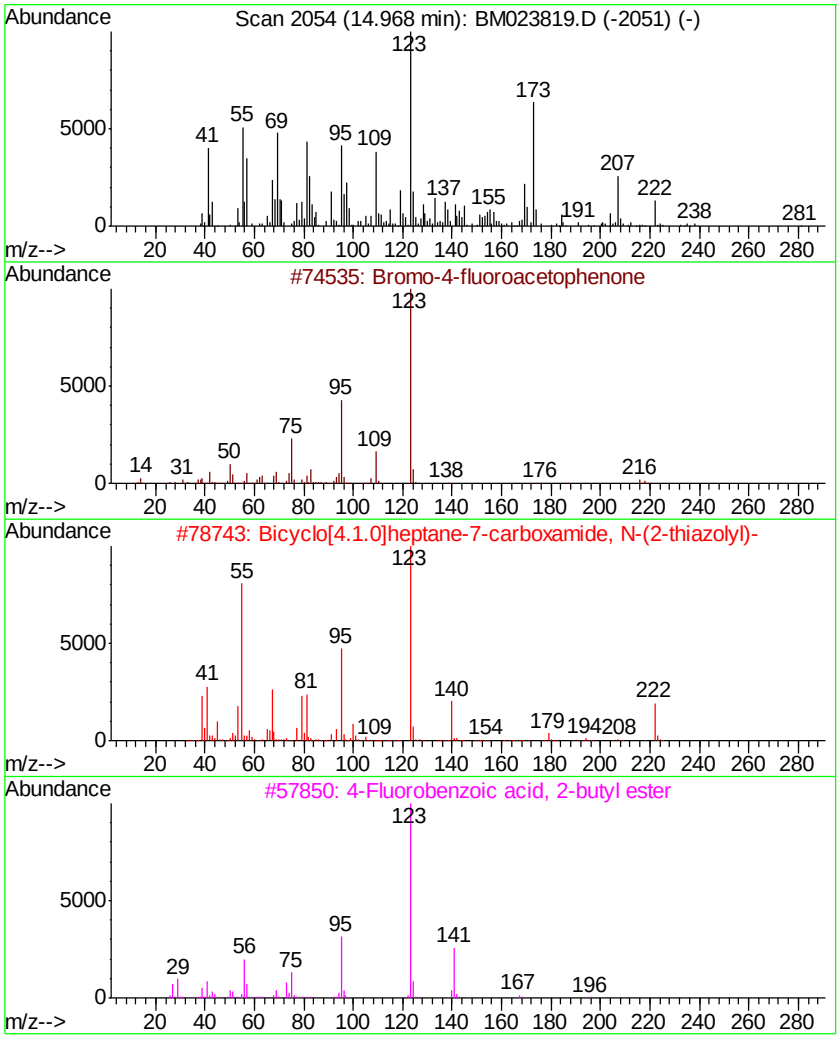
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

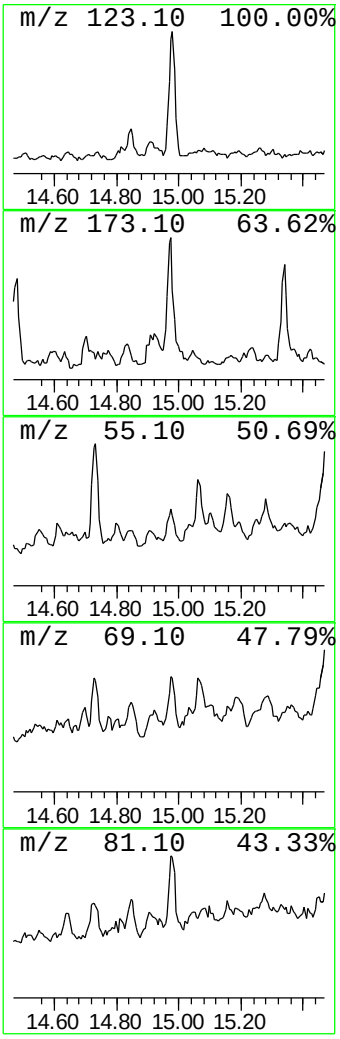
****

Peak Number 26 unknown-02 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	2.84 ng/ul	651115	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bromo-4-fluoroacetophenone	216	C8H6BrFO	000403-29-2	35
2	Bicyclo[4.1.0]heptane-7-carboxam...	222	C11H14N2OS	329912-72-3	35
3	4-Fluorobenzoic acid, 2-butyl ester	196	C11H13FO2	090172-12-6	30
4	Ethanone, 1-[3-[2-methyl-2-(5-me...	222	C13H18O3	080114-28-9	30
5	3-Fluorobenzoic acid, allyl ester	180	C10H9FO2	1000279-04-2	27





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Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

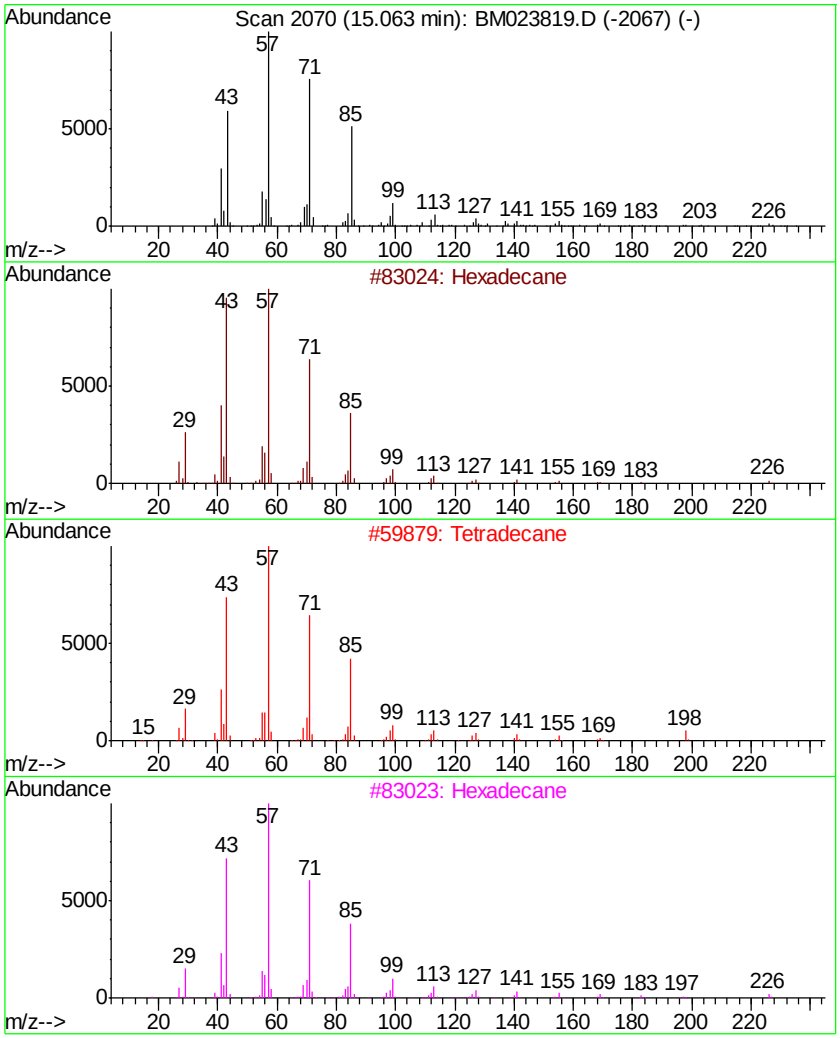
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

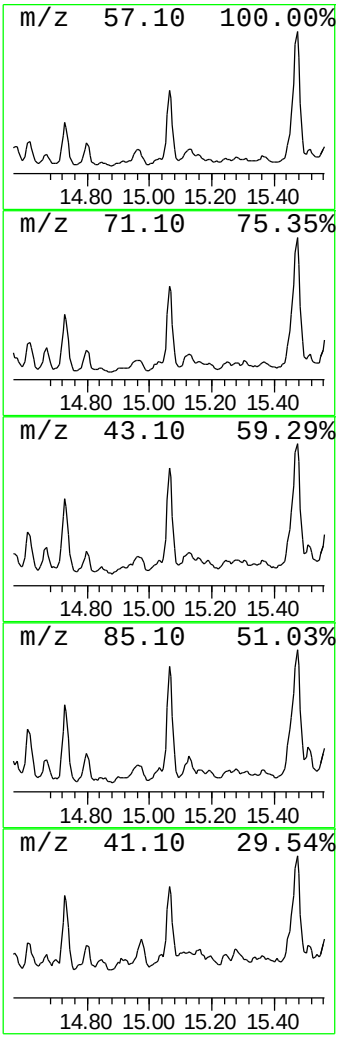
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	4.12 ng/ul	944614	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tetradecane	198	C14H30	000629-59-4	90
3	Hexadecane	226	C16H34	000544-76-3	83
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80
5	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	80





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Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

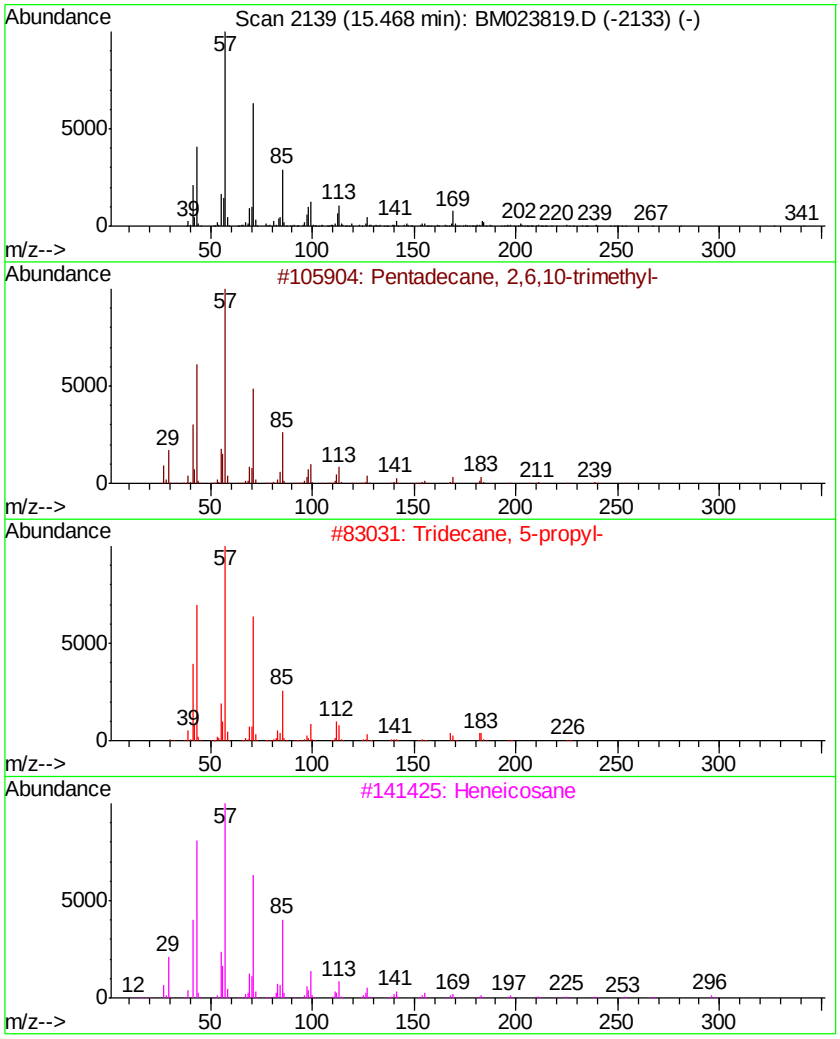
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

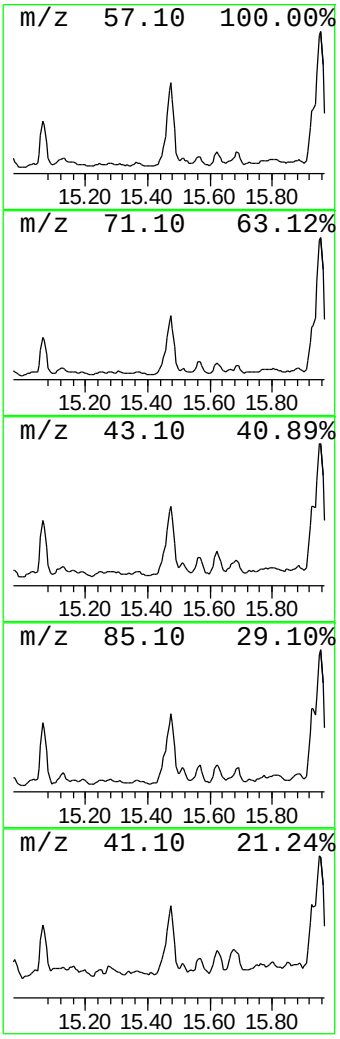
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	10.73 ng/ul	2458360	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	93
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	83
3	Heneicosane	296	C21H44	000629-94-7	83
4	Heptacosane	380	C27H56	000593-49-7	80
5	Dodecane, 5,8-diethyl-	226	C16H34	024251-86-3	76





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Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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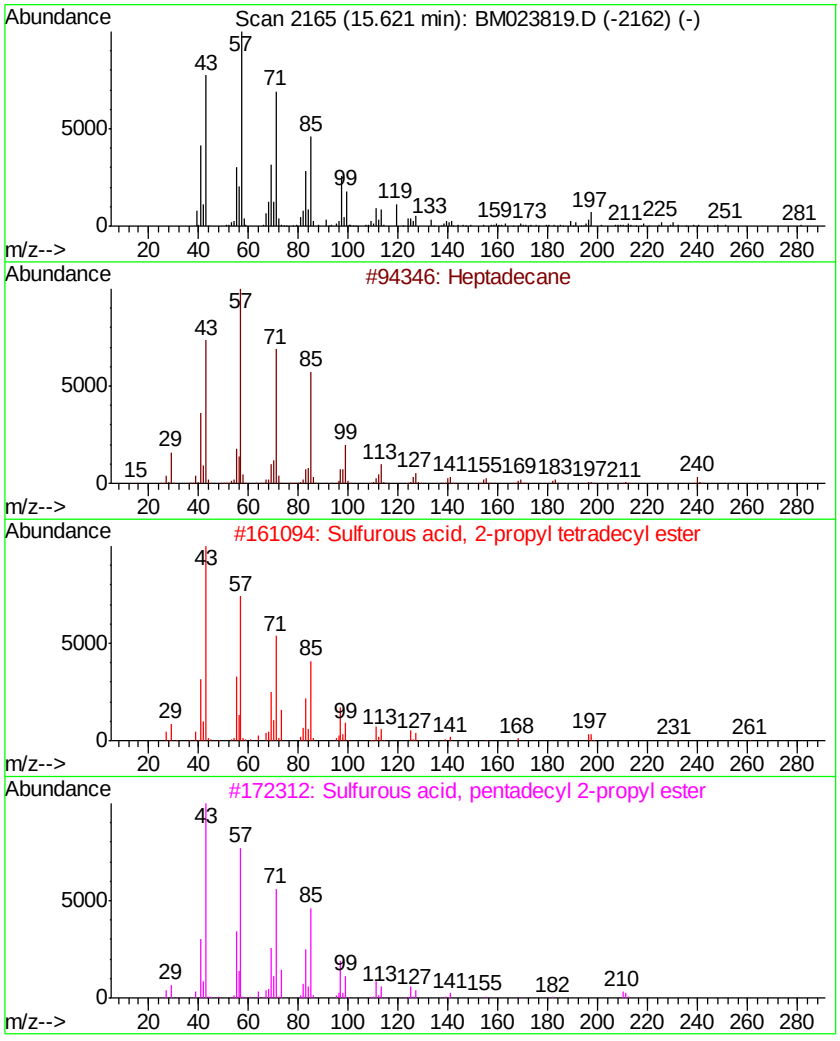
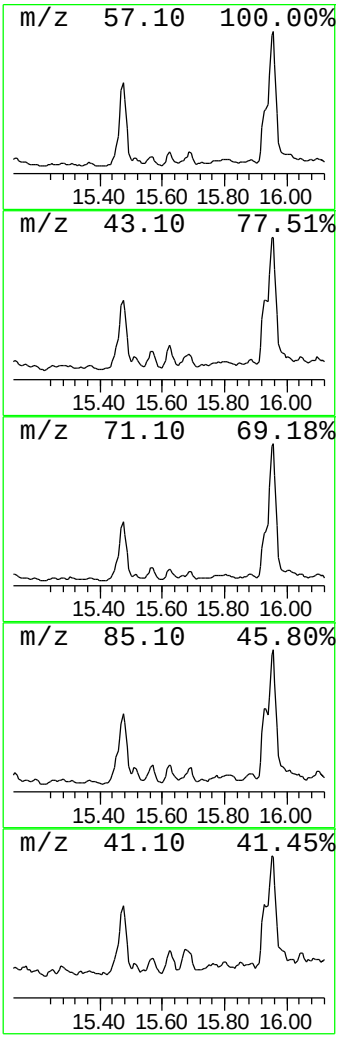
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	2.75 ng/ul	486680	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	87
3	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	86
4	Tritetracontane	605	C43H88	007098-21-7	83
5	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	80





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Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

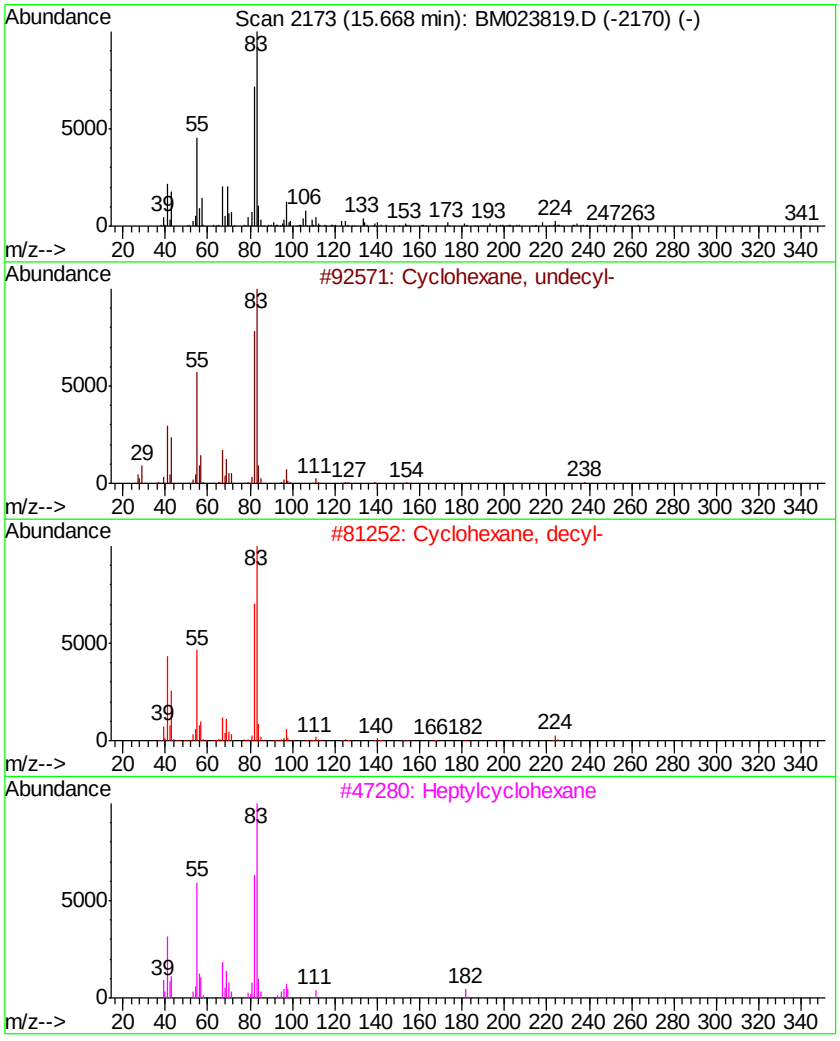
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

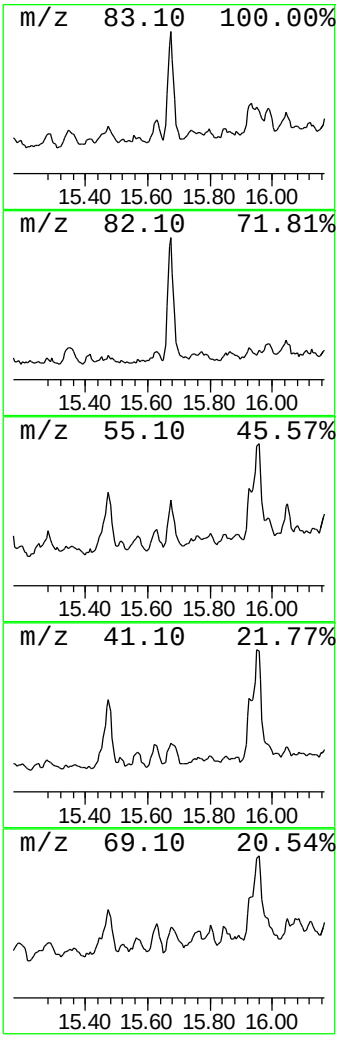
****

Peak Number 30 (DEL) Alkane: Cyclic15.67 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	5.53 ng/ul	977291	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, undecyl-	238	C17H34	054105-66-7	93
2	Cyclohexane, decyl-	224	C16H32	001795-16-0	72
3	Heptylcyclohexane	182	C13H26	005617-41-4	68
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
5	Heptylcyclohexane	182	C13H26	005617-41-4	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

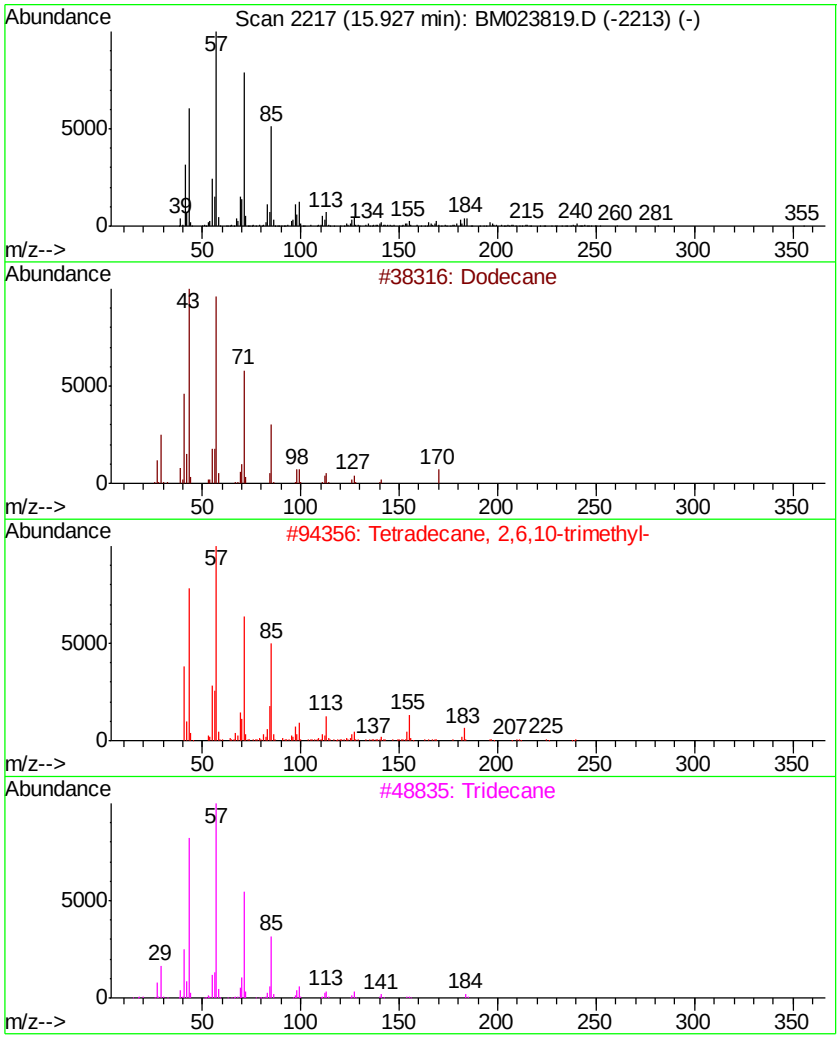
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

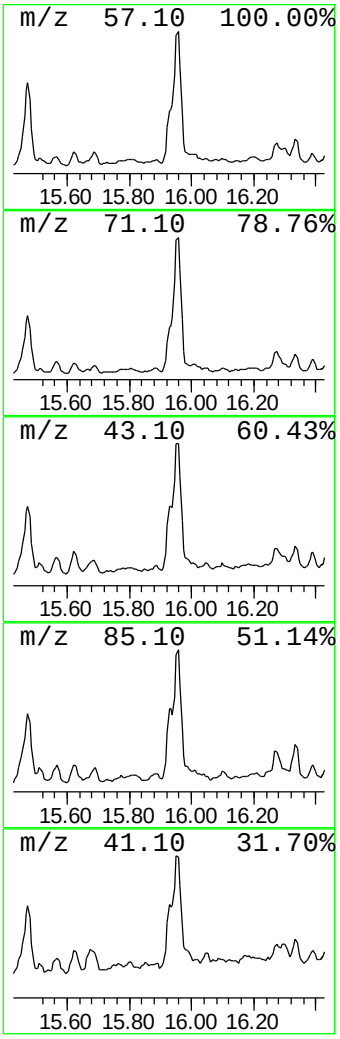
****

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	6.98 ng/ul	1233010	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	90
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	90
3	Tridecane	184	C13H28	000629-50-5	89
4	Octacosane	394	C28H58	000630-02-4	87
5	Hexacosane	366	C26H54	000630-01-3	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

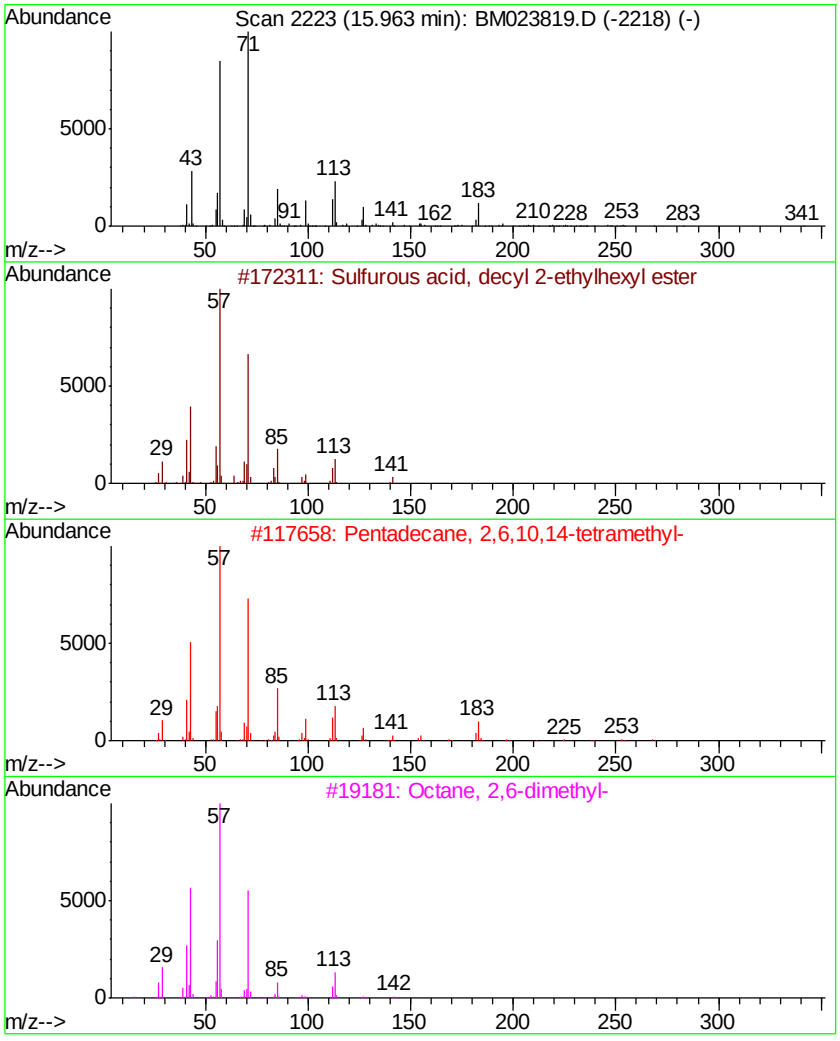
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

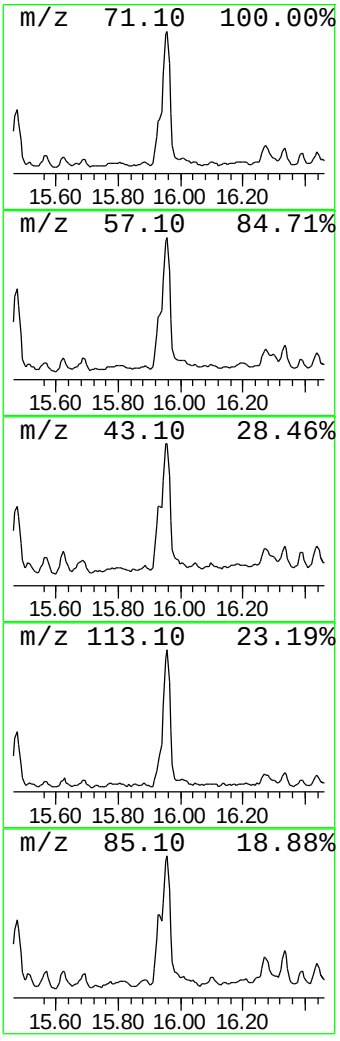
****

Peak Number 32 Sulfurous acid, decyl 2-eth... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	21.64 ng/ul	3824760	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	72
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
4	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

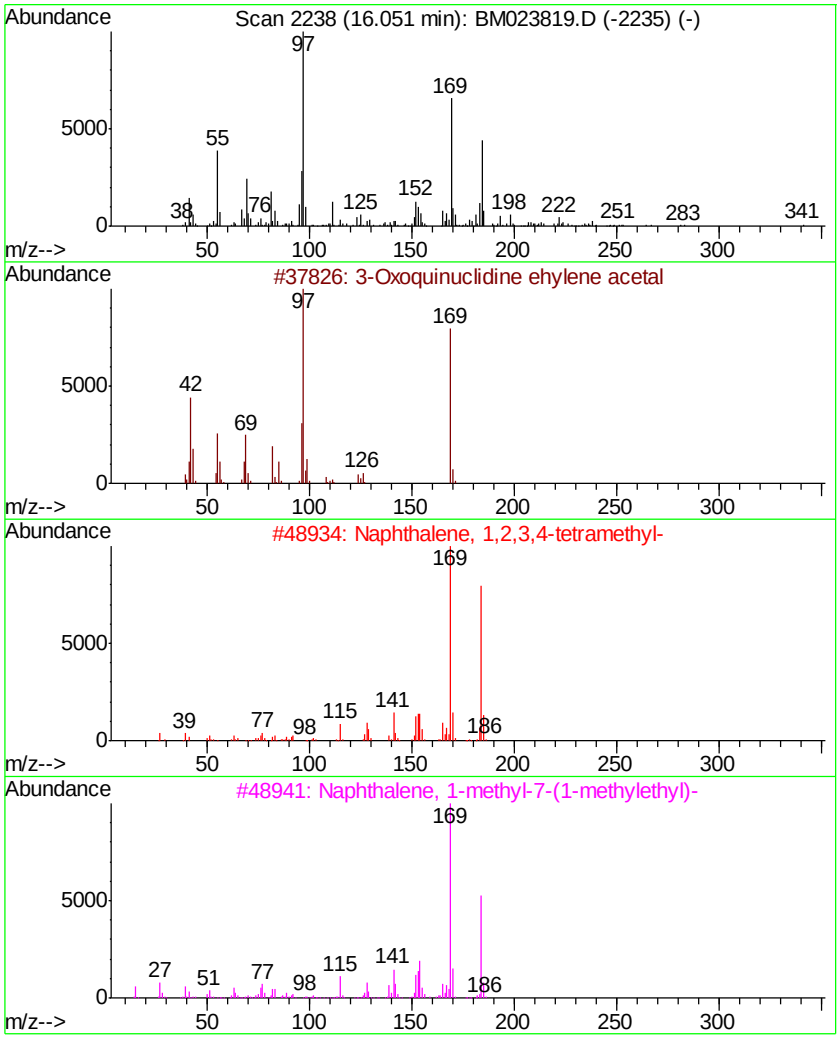
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

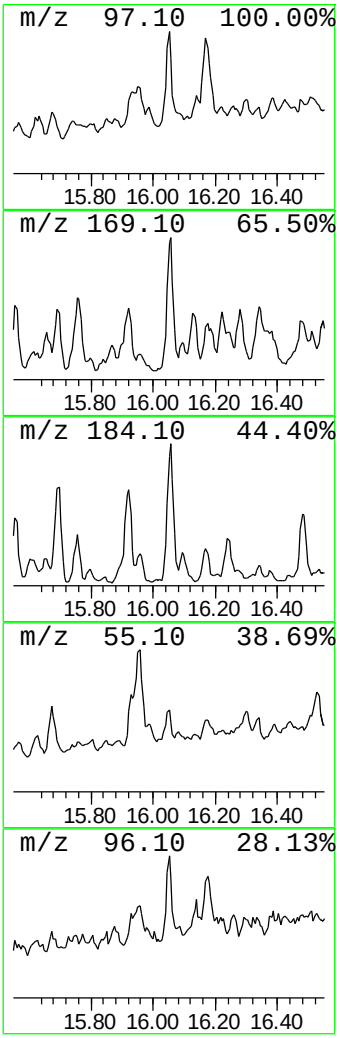
****

Peak Number 33 3-Oxoquinuclidine ehylene a... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	2.14 ng/ul	377751	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Oxoquinuclidine ehylene acetal	169	C9H15NO2	1000311-39-5	50
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	46
3	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	41
4	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	41
5	Phenol, 3,4,5-trimethoxy-	184	C9H12O4	000642-71-7	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

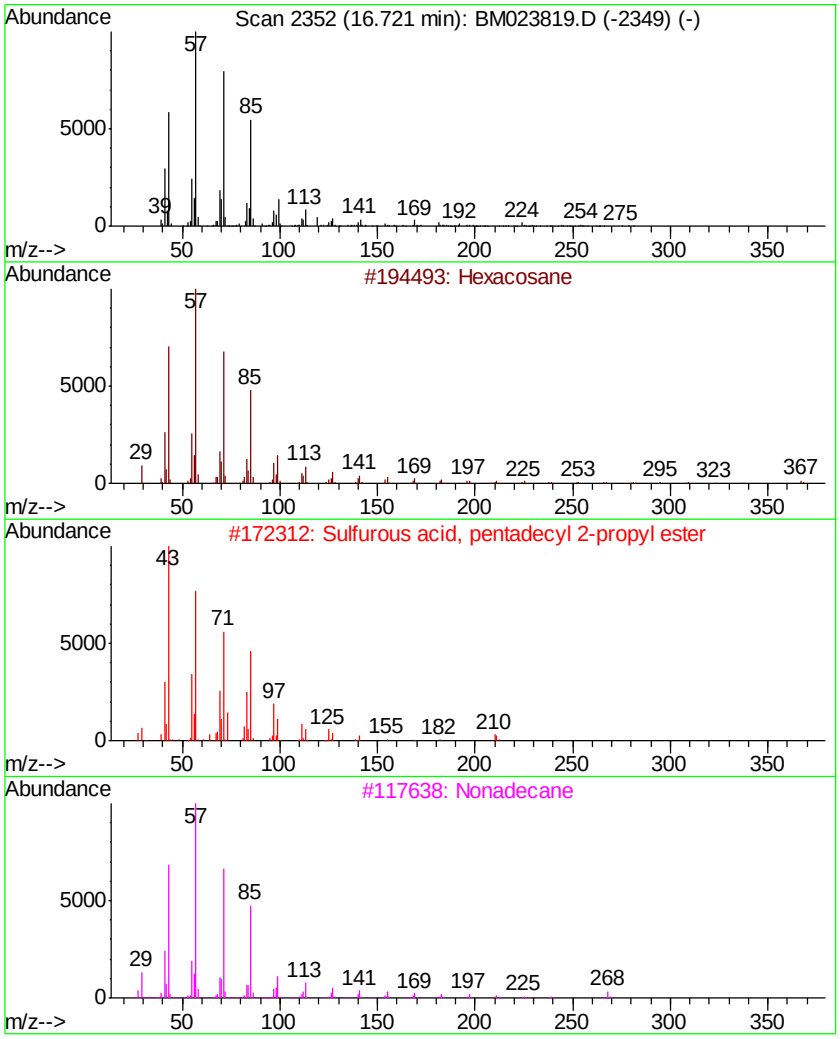
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

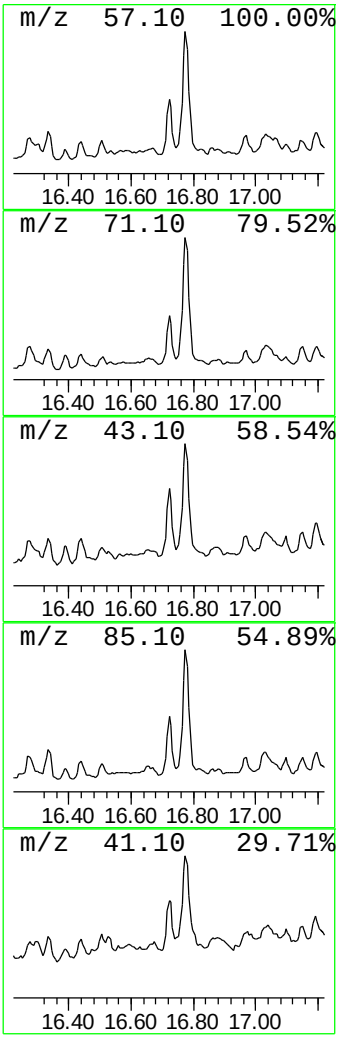
****

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	5.97 ng/ul	1055660	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	90
3	Nonadecane	268	C19H40	000629-92-5	86
4	Pentadecane	212	C15H32	000629-62-9	86
5	Heptadecane	240	C17H36	000629-78-7	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

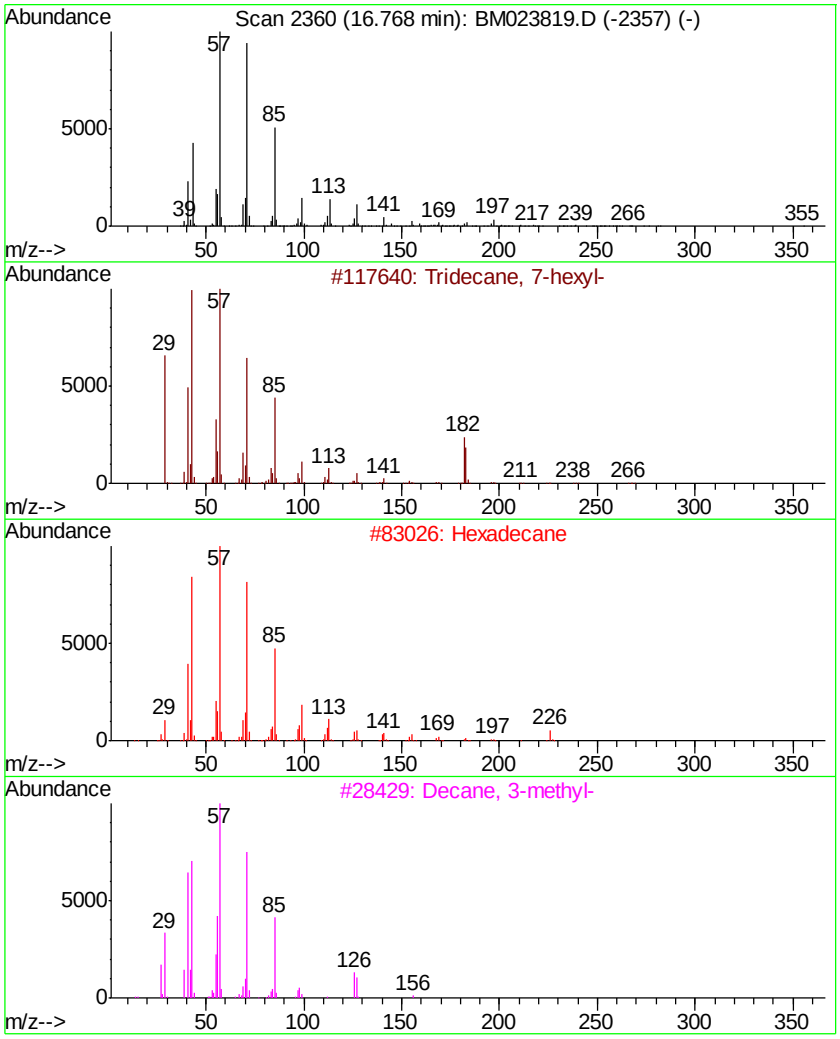
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

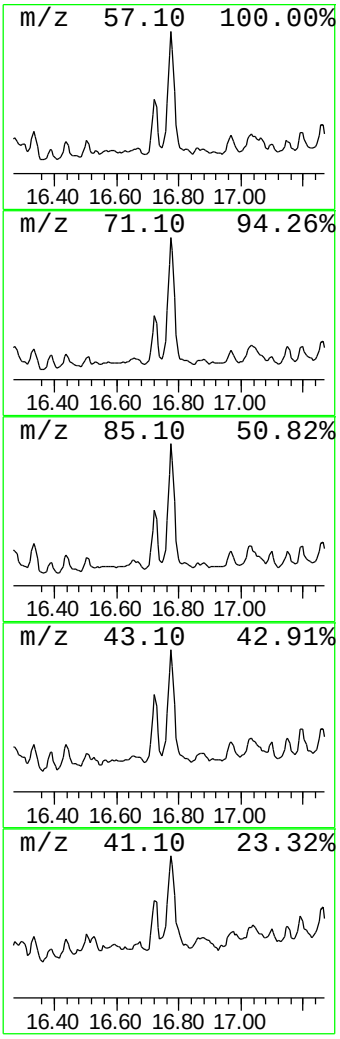
****

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	14.53 ng/ul	2567990	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	90
2	Hexadecane	226	C16H34	000544-76-3	87
3	Decane, 3-methyl-	156	C11H24	013151-34-3	87
4	Pentadecane, 4-methyl-	226	C16H34	002801-87-8	86
5	Heptacosane	380	C27H56	000593-49-7	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

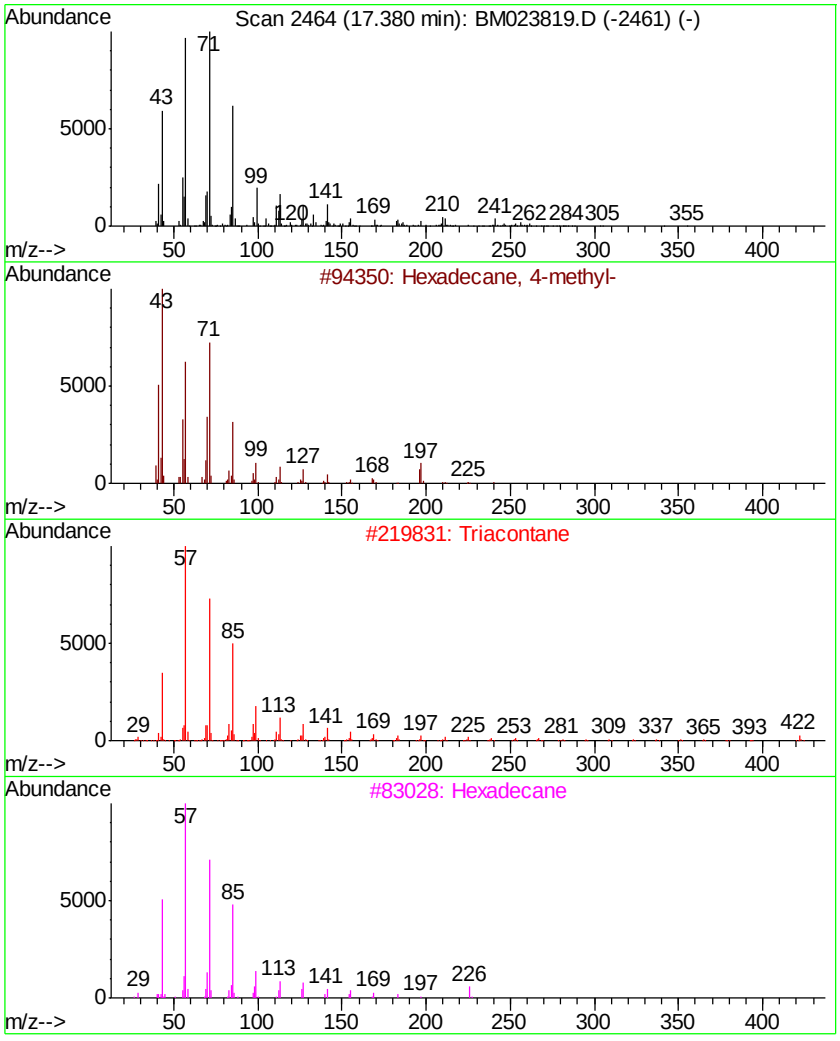
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

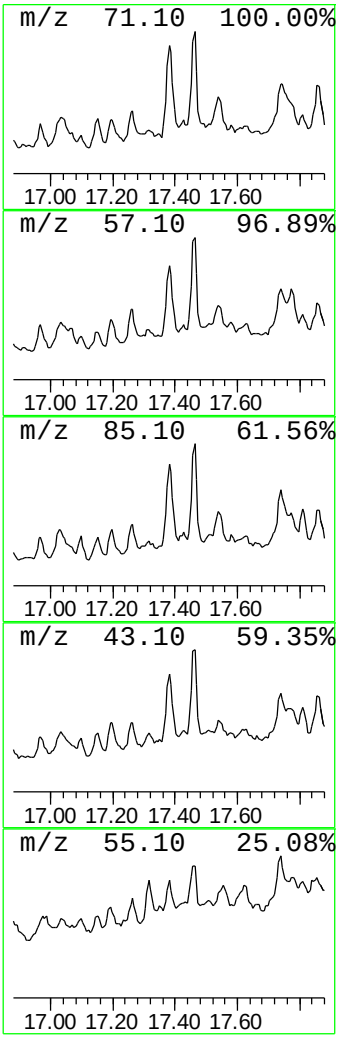
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.38	6.46 ng/ul	1140700	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 4-methyl-	240	C17H36	025117-26-4	90
2	Triacontane	422	C30H62	000638-68-6	90
3	Hexadecane	226	C16H34	000544-76-3	87
4	2-Bromotetradecane	276	C14H29Br	074036-95-6	86
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	81





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Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

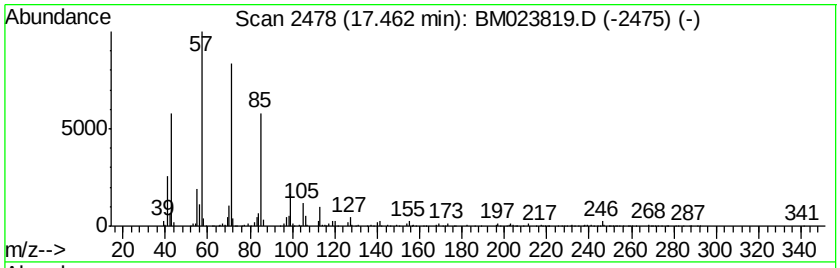
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

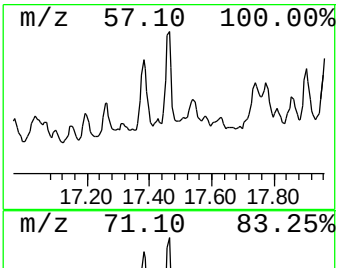
****

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	6.90 ng/ul	1219930	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-ethyl-5-propyl-	226	C16H34	002755-07-9	78
2	Nonadecane	268	C19H40	000629-92-5	78
3	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	53
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	52
5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
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Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

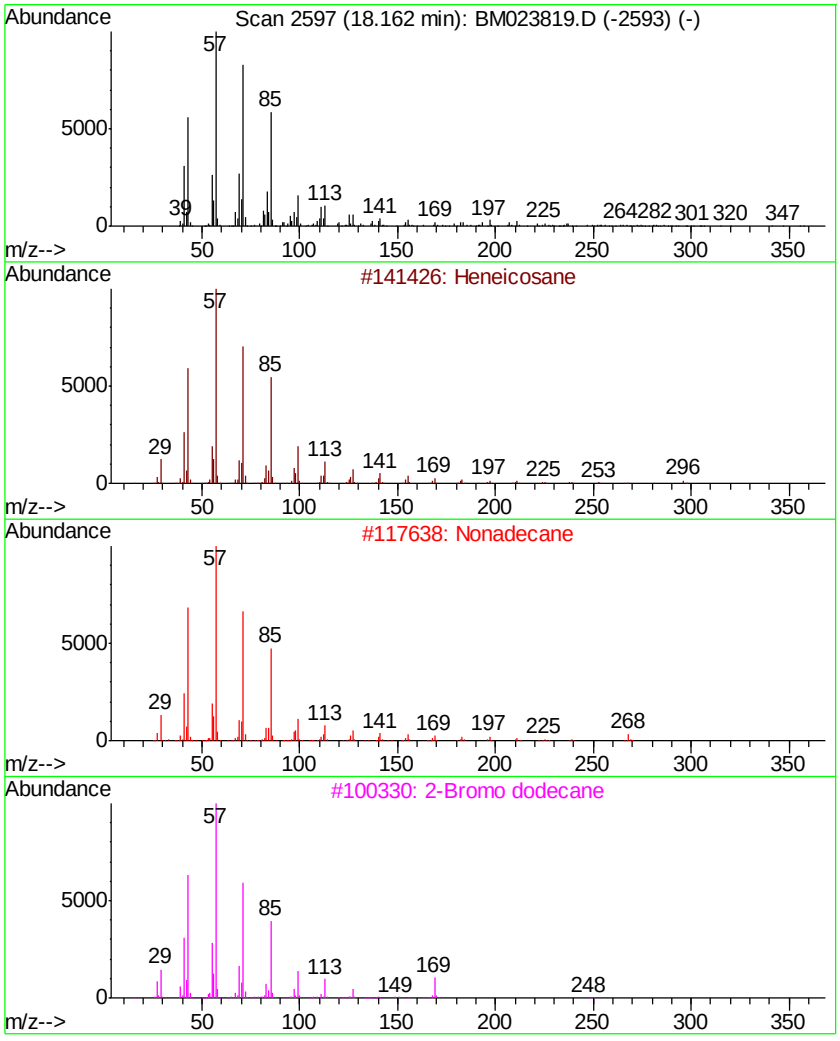
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

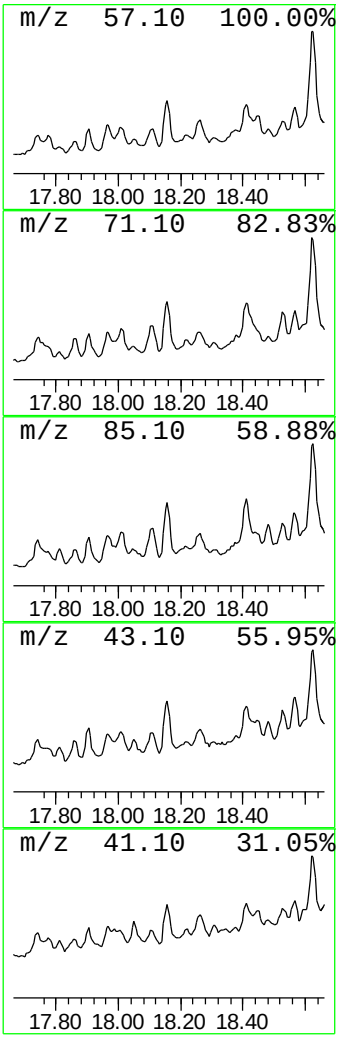
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	9.30 ng/ul	1642920	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	87
2	Nonadecane	268	C19H40	000629-92-5	87
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	86
4	Docosane	310	C22H46	000629-97-0	86
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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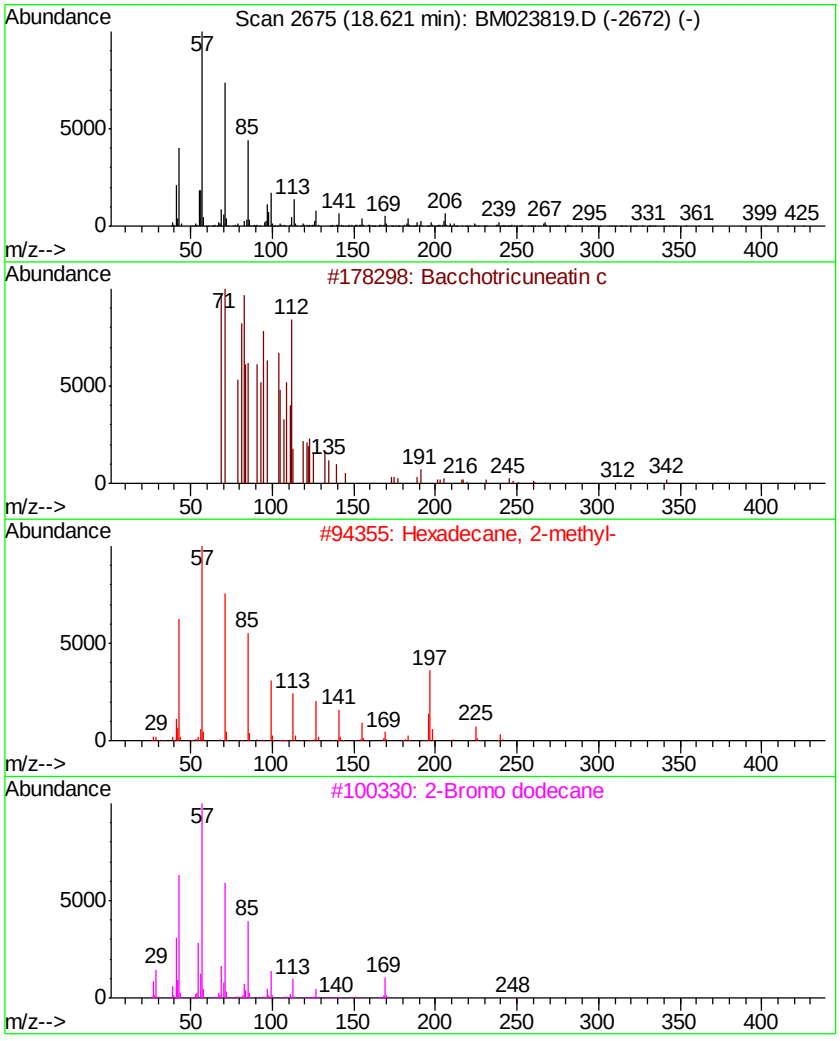
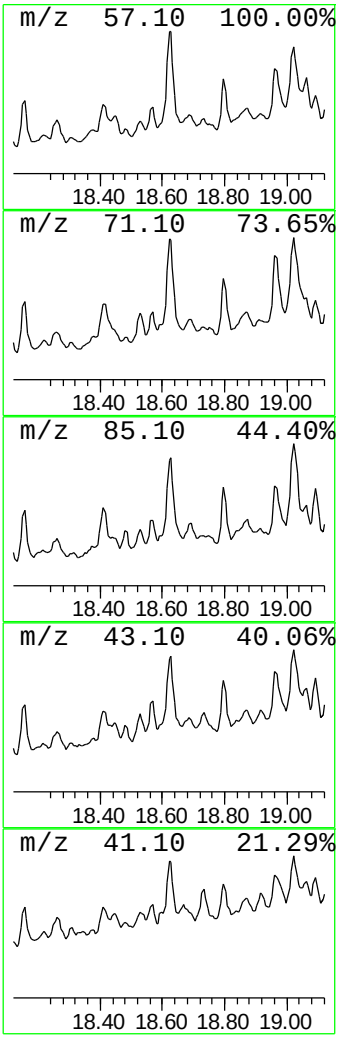
Peak Number 39 Bacchotricuneatin c Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	16.58 ng/ul	2930500	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	96
2	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	91
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
4	Hexacosane	366	C26H54	000630-01-3	86
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	86





Library Search Compound Report

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Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

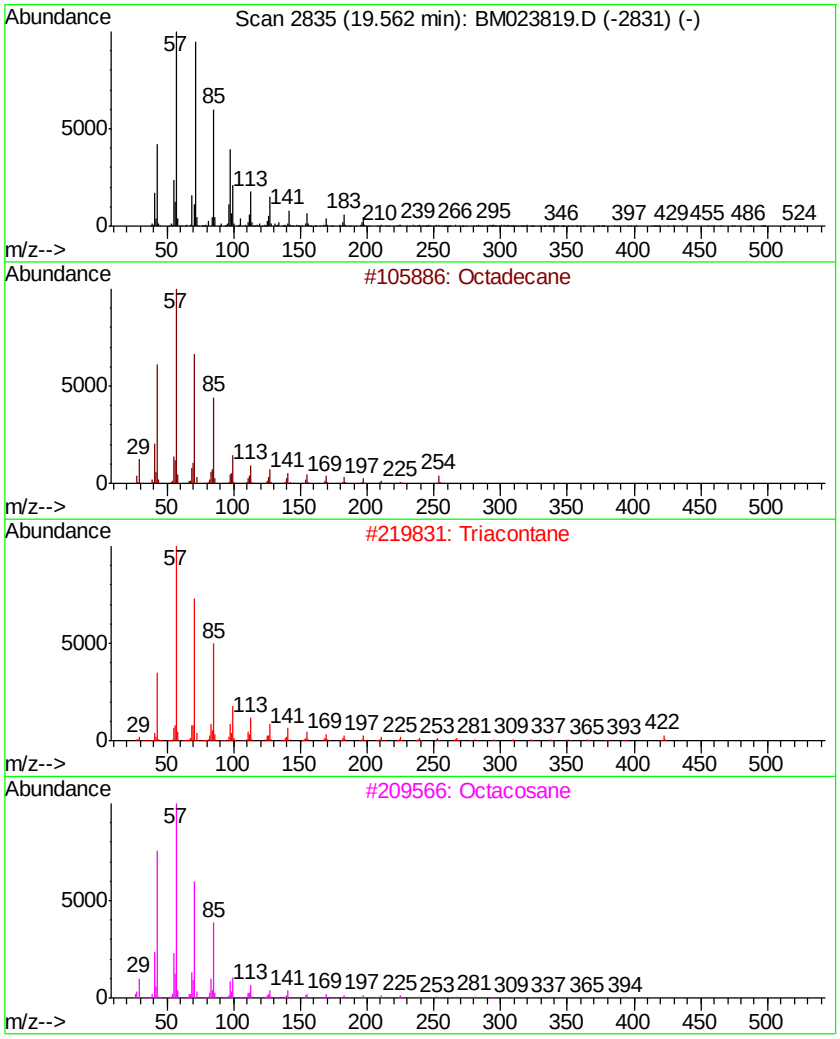
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

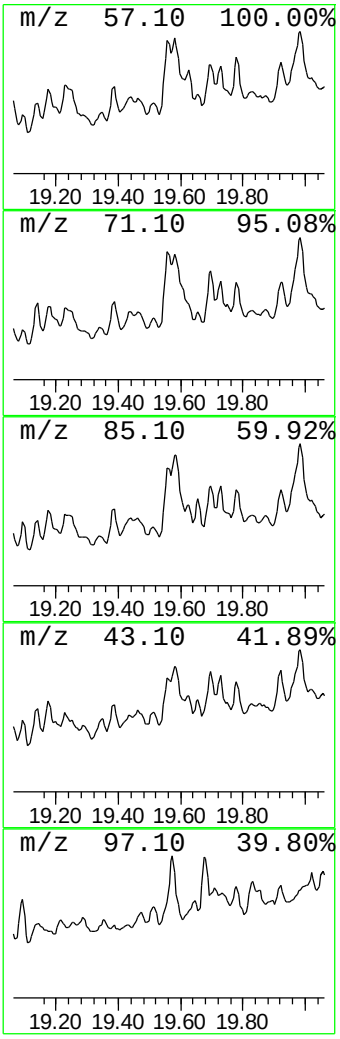
****

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.56	20.00 ng/ul	2686950	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	91
2	Triacontane	422	C30H62	000638-68-6	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Tetracosane	338	C24H50	000646-31-1	90
5	Docosane	310	C22H46	000629-97-0	87





Tentatively Identified Compound (LSC) summary

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Data File : BM023819.D
Acq On : 20 Nov 2019 05:07
Operator : JU
Sample : K5847-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPS3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	2.98	3.9	ng/ul	558157	1	7.52	2880750	20.0
Benzene, 1,2,3-tr...	7.17	3.7	ng/ul	533906	1	7.52	2880750	20.0
(DEL) Alkane: Str...	8.06	4.8	ng/ul	688051	1	7.52	2880750	20.0
(DEL) Alkane: Str...	8.19	3.1	ng/ul	441796	1	7.52	2880750	20.0
Naphthalene, deca...	8.34	2.1	ng/ul	305587	1	7.52	2880750	20.0
o-Cymene	8.62	4.9	ng/ul	711019	1	7.52	2880750	20.0
(DEL) Alkane: Str...	8.76	6.2	ng/ul	889183	1	7.52	2880750	20.0
(DEL) Alkane: Cyc...	8.87	3.7	ng/ul	535055	1	7.52	2880750	20.0
trans-Decalin, 2-...	9.22	2.2	ng/ul	603153	2	10.29	5385090	20.0
(DEL) Alkane: Str...	10.48	4.2	ng/ul	1131750	2	10.29	5385090	20.0
(DEL) Alkane: Str...	11.23	2.6	ng/ul	705598	2	10.29	5385090	20.0
(DEL) Alkane: Str...	11.35	7.1	ng/ul	1902220	2	10.29	5385090	20.0
(DEL) Alkane: Str...	11.75	10.8	ng/ul	2901140	2	10.29	5385090	20.0
(DEL) Alkane: Str...	12.45	2.5	ng/ul	573192	3	14.18	4583700	20.0
(DEL) Alkane: Str...	12.59	3.5	ng/ul	808001	3	14.18	4583700	20.0
(DEL) Alkane: Str...	12.67	2.1	ng/ul	479424	3	14.18	4583700	20.0
(DEL) Alkane: Str...	12.73	5.5	ng/ul	1271970	3	14.18	4583700	20.0
(DEL) Alkane: Str...	13.02	7.5	ng/ul	1716380	3	14.18	4583700	20.0
Decahydro-4,4,8,9...	13.60	3.9	ng/ul	887655	3	14.18	4583700	20.0
(DEL) Alkane: Str...	13.69	10.1	ng/ul	2320360	3	14.18	4583700	20.0
(DEL) Alkane: Str...	13.73	3.0	ng/ul	684835	3	14.18	4583700	20.0
unknown-01	14.01	2.2	ng/ul	502752	3	14.18	4583700	20.0
(DEL) Alkane: Str...	14.10	5.7	ng/ul	1294880	3	14.18	4583700	20.0
Sulfurous acid, 2...	14.73	5.5	ng/ul	1264110	3	14.18	4583700	20.0
unknown-02	14.97	2.8	ng/ul	651115	3	14.18	4583700	20.0
(DEL) Alkane: Str...	15.06	4.1	ng/ul	944614	3	14.18	4583700	20.0
(DEL) Alkane: Str...	15.47	10.7	ng/ul	2458360	3	14.18	4583700	20.0
(DEL) Alkane: Str...	15.62	2.8	ng/ul	486680	4	16.93	3534290	20.0
(DEL) Alkane: Cyc...	15.67	5.5	ng/ul	977291	4	16.93	3534290	20.0
(DEL) Alkane: Str...	15.93	7.0	ng/ul	1233010	4	16.93	3534290	20.0
Sulfurous acid, d...	15.96	21.6	ng/ul	3824760	4	16.93	3534290	20.0
3-Oxoquinuclidine...	16.05	2.1	ng/ul	377751	4	16.93	3534290	20.0
(DEL) Alkane: Str...	16.72	6.0	ng/ul	1055660	4	16.93	3534290	20.0
(DEL) Alkane: Str...	16.77	14.5	ng/ul	2567990	4	16.93	3534290	20.0
(DEL) Alkane: Str...	17.38	6.5	ng/ul	1140700	4	16.93	3534290	20.0
(DEL) Alkane: Str...	17.46	6.9	ng/ul	1219930	4	16.93	3534290	20.0
(DEL) Alkane: Str...	18.16	9.3	ng/ul	1642920	4	16.93	3534290	20.0
Bacchotricuneatin c	18.62	16.6	ng/ul	2930500	4	16.93	3534290	20.0
(DEL) Alkane: Str...	19.56	20.0	ng/ul	2686950	5	21.14	2686950	20.0