LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121219\
Data File : BM024051.D
Acq On : 12 Dec 2019 10:36
Operator : JU
Sample : K6088-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

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-BM112719MA.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	3.034	22	25	34	rVB	39481	63177	1.21%	0.129%
2	3.258	59	63	67	rBV3	20364	26209	0.50%	0.053%
3	3.646	124	129	137	rVB	54873	90564	1.73%	0.185%
4	4.634	294	297	307	rVV2	47065	99017	1.89%	0.202%
5	5.516	442	447	455	rVB4	25919	42297	0.81%	0.086%
6	6.663	636	642	659	rVB2	633870	1318922	25.20%	2.688%
7	6.822	664	669	681	rVV	607629	1056166	20.18%	2.153%
8	6.910	681	684	689	rVV5	24912	45151	0.86%	0.092%
9	7.011	695	701	712	rVV	738789	1242448	23.74%	2.532%
10	7.111	714	718	727	rVB3	32962	64254	1.23%	0.131%
11	7.375	757	763	768	rBV4	18692	31099	0.59%	0.063%
12	7.475	773	780	790	rBV	197607	348518	6.66%	0.710%
13	8.193	896	902	913	rBV2	713872	1235521	23.61%	2.518%
14	8.310	918	922	928	rVB	25115	46407	0.89%	0.095%
15	8.622	969	975	985	rVV	696362	1234188	23.58%	2.516%
16	8.705	985	989	996	rVB2	39088	69508	1.33%	0.142%
17	8.810	1003	1007	1014	rVB8	15127	30033	0.57%	0.061%
18	9.063	1044	1050	1055	rBV	33883	53005	1.01%	0.108%
19	9.340	1091	1097	1114	rBV	468856	881188	16.84%	1.796%
20	9.881	1181	1189	1208	rBV	769142	1450217	27.71%	2.956%
21	10.240	1242	1250	1257	rBV	330286	567098	10.84%	1.156%
22	10.399	1268	1277	1289	rBV	262783	592007	11.31%	1.207%
23	11.287	1425	1428	1433	rBV5	15208	24527	0.47%	0.050%
24	11.698	1492	1498	1503	rBV	45957	73885	1.41%	0.151%
25	11.851	1520	1524	1529	rVB3	19278	29980	0.57%	0.061%
26	11.922	1529	1536	1544	rVB2	32387	62843	1.20%	0.128%
27	12.145	1569	1574	1580	rVV2	27461	48860	0.93%	0.100%
28	12.675	1659	1664	1670	rVV7	12449	24429	0.47%	0.050%
29	12.969	1708	1714	1718	rBV2	79342	117344	2.24%	0.239%
30	13.045	1722	1727	1736	rVB	76437	125103	2.39%	0.255%
31	13.298	1762	1770	1771	rBV5	22908	37326	0.71%	0.076%
32	13.451	1791	1796	1801	rVV2	44734	85668	1.64%	0.175%
33	13.510	1801	1806	1808	rVV3	31431	50880	0.97%	0.104%
34	13.557	1808	1814	1818	rVV	1813744	2587785	49.44%	5.275%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121219\
Data File : BM024051.D
Acq On : 12 Dec 2019 10:36
Operator : JU
Sample : K6088-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

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-BM112719MA.M
Title : SVOA CALIBRATION

35	13.604	1818	1822	1832	rVV	761542	1153959	22.05%	2.352%
36	13.687	1832	1836	1840	rVV4	27271	47975	0.92%	0.098%
37	13.822	1852	1859	1874	rBV	2162758	3260215	62.29%	6.645%
38	14.063	1892	1900	1904	rBV	67518	93392	1.78%	0.190%
39	14.134	1904	1912	1919	rBV	480694	764502	14.61%	1.558%
40	14.387	1945	1955	1971	rBV4	80785	292997	5.60%	0.597%
41	14.545	1977	1982	1986	rVV4	38491	75881	1.45%	0.155%
42	14.586	1986	1989	1992	rVV4	32435	56960	1.09%	0.116%
43	14.622	1992	1995	1999	rVV	34086	50157	0.96%	0.102%
44	14.757	2014	2018	2024	rBV6	26119	47520	0.91%	0.097%
45	14.816	2024	2028	2034	rVB2	27691	37805	0.72%	0.077%
46	14.939	2043	2049	2050	rBV4	17597	26513	0.51%	0.054%
47	14.957	2050	2052	2059	rVB4	17524	31212	0.60%	0.064%
48	15.022	2059	2063	2068	rVB	69035	88372	1.69%	0.180%
49	15.134	2076	2082	2089	rBV	3014264	4264568	81.48%	8.692%
50	15.239	2095	2100	2102	rBV6	16891	25022	0.48%	0.051%
51	15.281	2102	2107	2119	rVV	422630	654043	12.50%	1.333%
52	15.375	2119	2123	2126	rBV3	28770	40396	0.77%	0.082%
53	15.486	2137	2142	2145	rBV4	26609	41707	0.80%	0.085%
54	15.539	2146	2151	2156	rVV	142501	195289	3.73%	0.398%
55	15.628	2163	2166	2176	rVB6	22529	55465	1.06%	0.113%
56	15.716	2176	2181	2189	rBV5	24891	47483	0.91%	0.097%
57	15.881	2204	2209	2215	rBV3	81730	130082	2.49%	0.265%
58	16.245	2268	2271	2276	rVB6	23518	33936	0.65%	0.069%
59	16.445	2300	2305	2308	rBV3	35357	60500	1.16%	0.123%
60	16.551	2319	2323	2331	rBV5	37446	73597	1.41%	0.150%
61	16.622	2331	2335	2340	rBV6	23813	48308	0.92%	0.098%
62	16.675	2340	2344	2348	rBV	72342	88420	1.69%	0.180%
63	16.886	2374	2380	2384	rBV	611244	857154	16.38%	1.747%
64	16.927	2384	2387	2391	rVV	128156	168872	3.23%	0.344%
65	16.986	2391	2397	2410	rVV	3158858	4543006	86.80%	9.260%
66	17.086	2411	2414	2421	rVB9	16301	27662	0.53%	0.056%
67	17.210	2429	2435	2440	rVB6	38078	66592	1.27%	0.136%
68	17.304	2447	2451	2455	rBV6	27359	45931	0.88%	0.094%
69	17.416	2466	2470	2473	rBV2	60858	73259	1.40%	0.149%
70	17.475	2477	2480	2488	rVB3	28129	52557	1.00%	0.107%
71	17.586	2494	2499	2502	rBV5	23006	38559	0.74%	0.079%

LSC Area Percent Report

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Data File : BM024051.D
Acq On : 12 Dec 2019 10:36
Operator : JU
Sample : K6088-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

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-BM112719MA.M
Title : SVOA CALIBRATION

72	17.763	2524	2529	2533	rBV	68760	105501	2.02%	0.215%
73	17.810	2533	2537	2544	rBV2	405186	564434	10.78%	1.150%
74	17.951	2557	2561	2565	rBV	61360	87892	1.68%	0.179%
75	17.998	2565	2569	2575	rVB	52576	83384	1.59%	0.170%
76	18.086	2579	2584	2594	rBV4	110104	281998	5.39%	0.575%
77	18.163	2594	2597	2602	rVB6	28880	45644	0.87%	0.093%
78	18.245	2607	2611	2612	rBV4	26081	30166	0.58%	0.061%
79	18.274	2612	2616	2622	rVB3	52471	83287	1.59%	0.170%
80	18.522	2655	2658	2663	rVB5	25082	29091	0.56%	0.059%
81	18.574	2663	2667	2670	rBV2	39508	58713	1.12%	0.120%
82	18.616	2671	2674	2677	rVV3	21050	27449	0.52%	0.056%
83	18.692	2682	2687	2691	rVV2	95009	154471	2.95%	0.315%
84	18.751	2692	2697	2701	rVV	116334	157462	3.01%	0.321%
85	18.786	2701	2703	2708	rVB2	31674	40041	0.77%	0.082%
86	18.927	2724	2727	2729	rBV	29865	36381	0.70%	0.074%
87	18.957	2729	2732	2737	rVV2	95078	141547	2.70%	0.289%
88	19.104	2753	2757	2763	rBV3	100337	148936	2.85%	0.304%
89	19.292	2783	2789	2795	rBV	3854095	5233705	100.00%	10.668%
90	19.874	2885	2888	2891	rVB2	83660	96979	1.85%	0.198%
91	20.374	2970	2973	2976	rVB3	69427	76314	1.46%	0.156%
92	20.833	3047	3051	3066	rBV	946706	1540516	29.43%	3.140%
93	21.098	3091	3096	3101	rBV	559759	824698	15.76%	1.681%
94	21.274	3123	3126	3131	rBV2	179329	229637	4.39%	0.468%
95	21.698	3194	3198	3208	rBV2	391979	704187	13.45%	1.435%
96	22.139	3269	3273	3277	rBV	340536	409461	7.82%	0.835%
97	22.615	3351	3354	3358	rVB	499161	637748	12.19%	1.300%
98	23.098	3430	3436	3441	rBV	2452544	4063711	77.65%	8.283%
99	23.151	3442	3445	3452	rVB3	439399	700632	13.39%	1.428%
100	23.756	3544	3548	3556	rVB	535598	951208	18.17%	1.939%

Sum of corrected areas: 49060685

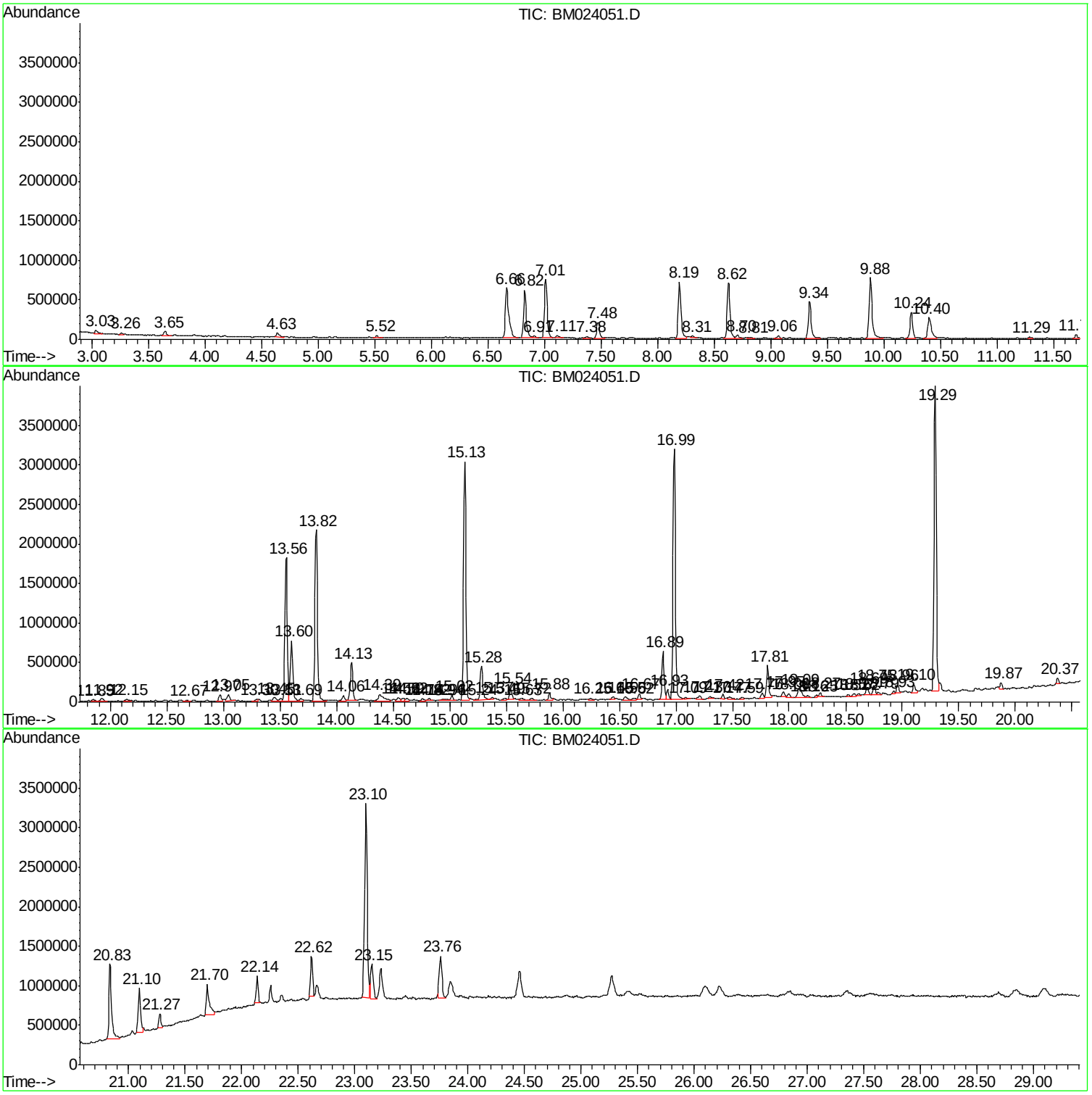
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121219\
Data File : BM024051.D
Acq On : 12 Dec 2019 10:36
Operator : JU
Sample : K6088-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0BN7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121219\
Data File : BM024051.D
Acq On : 12 Dec 2019 10:36
Operator : JU
Sample : K6088-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

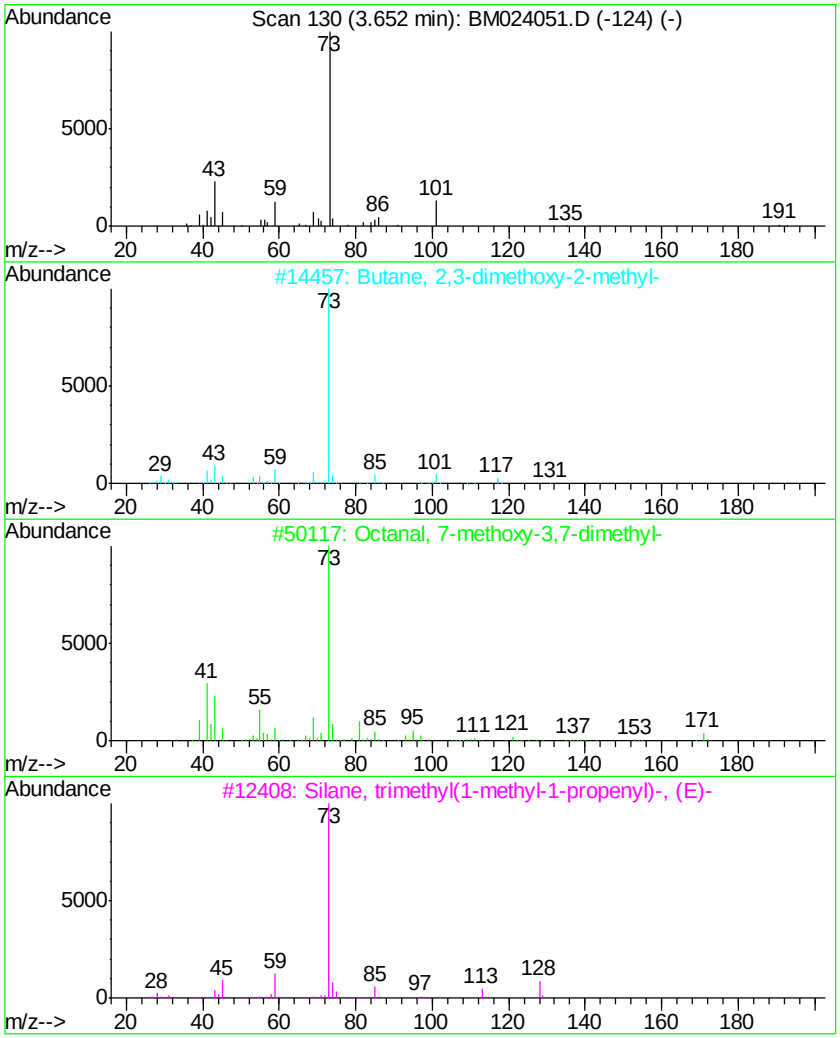
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

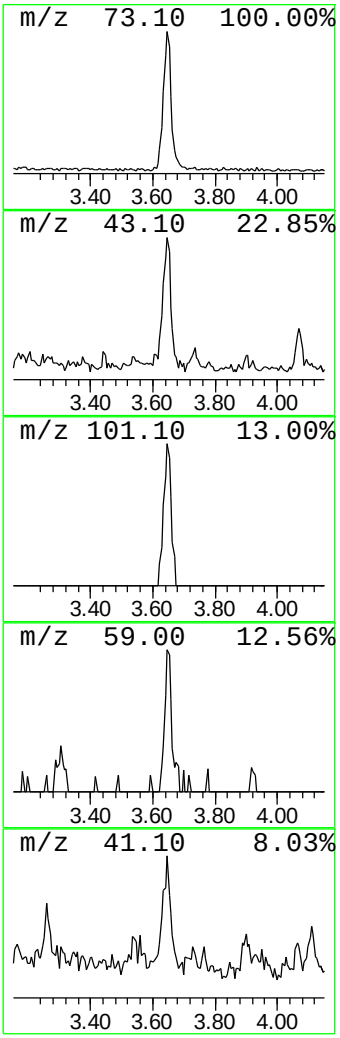
****

Peak Number 1 Butane, 2,3-dimethoxy-2-met... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.65	5.20 ng/ul	90564	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethoxy-2-methyl-	132	C7H16O2	074421-00-4	50
2	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	32
3	Silane, trimethyl(1-methyl-1-pro...	128	C7H16Si	010111-13-4	28
4	3-Heptanol, 3-methyl-	130	C8H18O	005582-82-1	23
5	3-Methoxy-3-methylbutanol	118	C6H14O2	056539-66-3	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121219\
Data File : BM024051.D
Acq On : 12 Dec 2019 10:36
Operator : JU
Sample : K6088-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

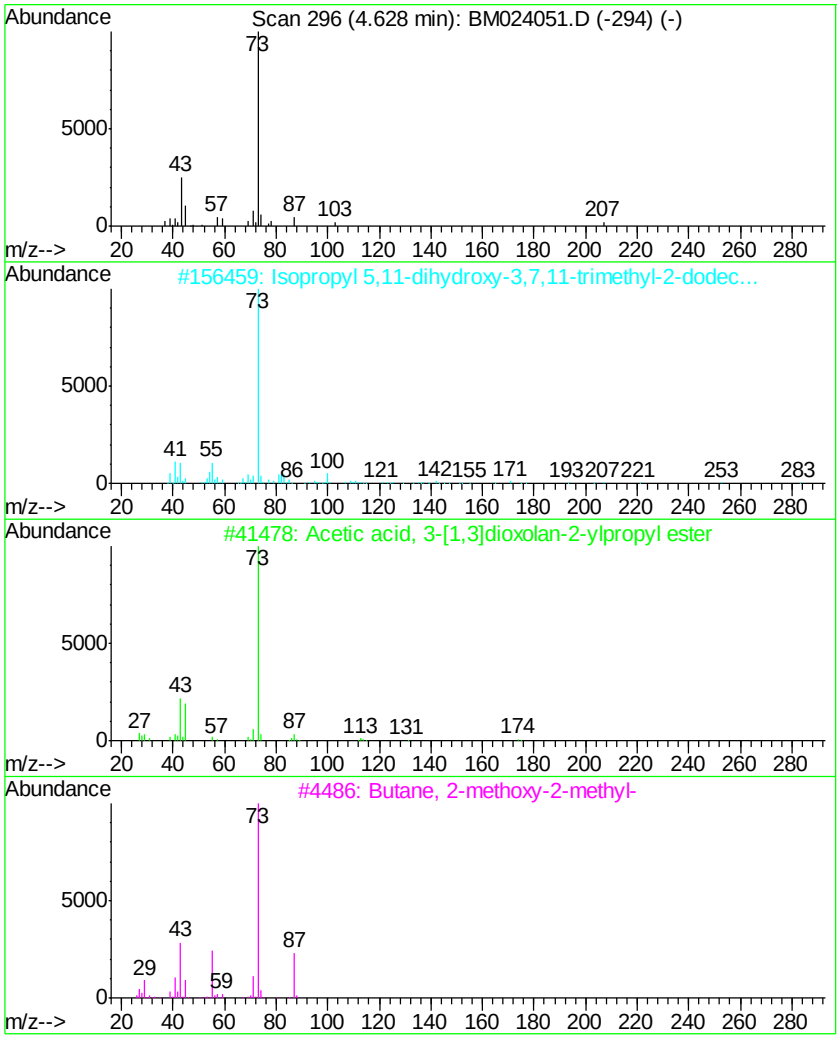
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

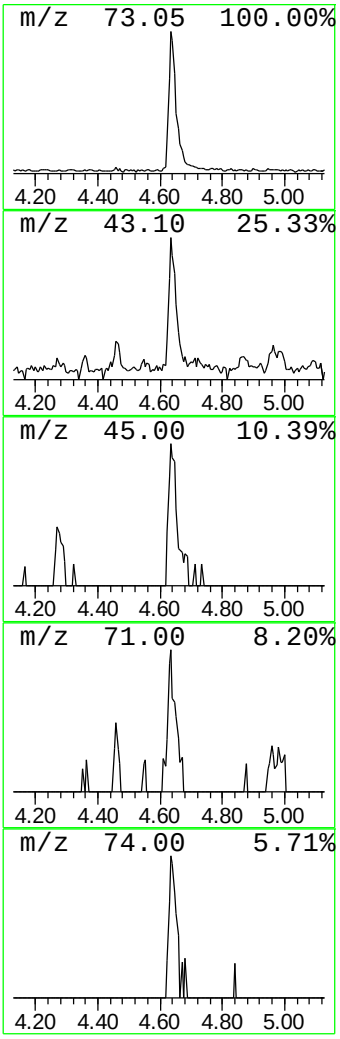
****

Peak Number 2 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	5.68 ng/ul	99017	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl 5,11-dihydroxy-3,7,11-...	314	C18H34O4	1000223-34-1	45
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	38
3	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,3-Dioxolane, 2-butyl-	130	C7H14O2	004360-76-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121219\
Data File : BM024051.D
Acq On : 12 Dec 2019 10:36
Operator : JU
Sample : K6088-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

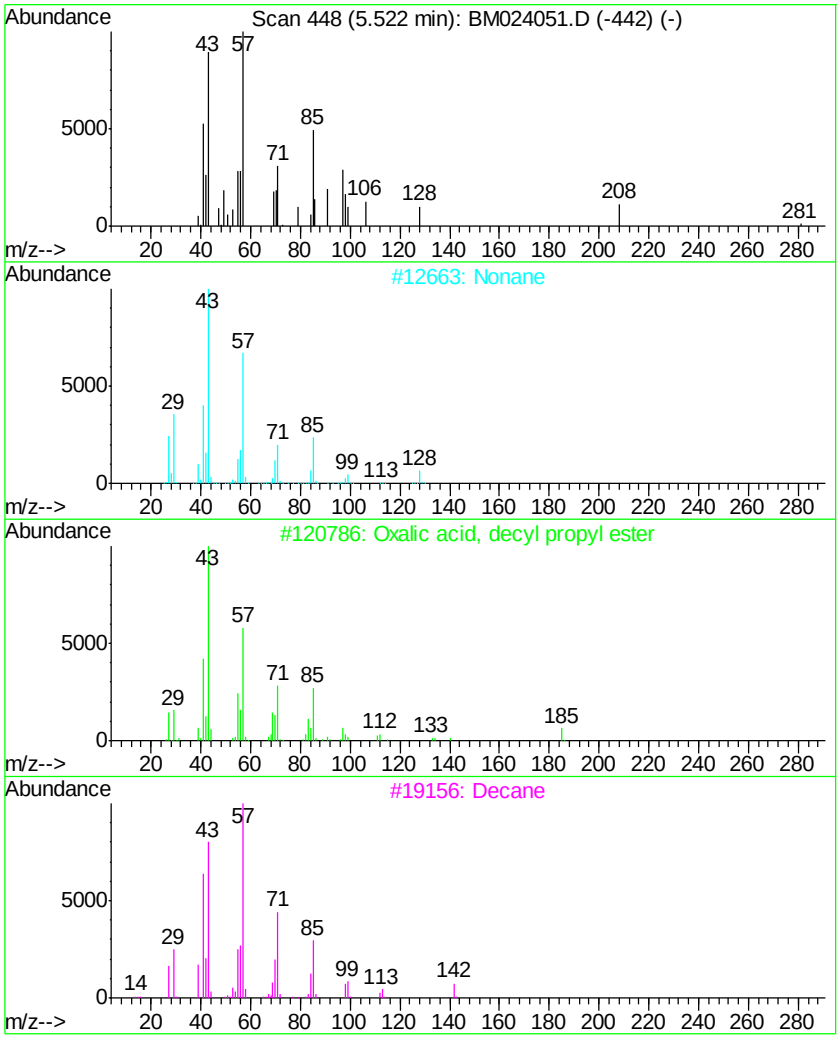
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

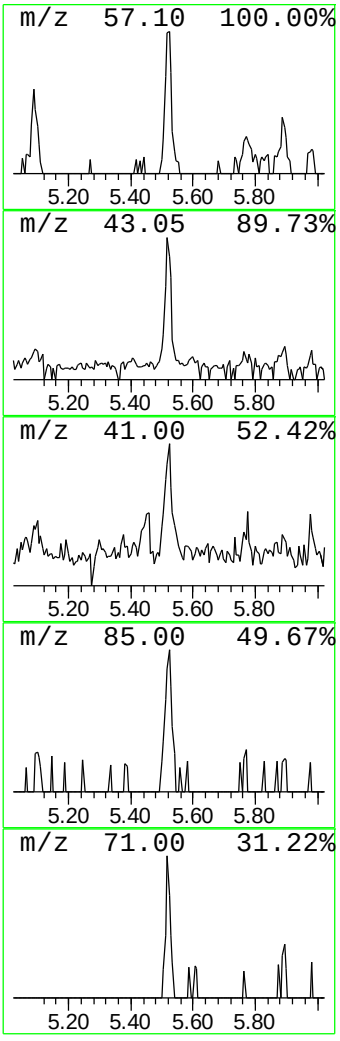
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	2.43 ng/ul	42297	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	64
2	Oxalic acid, decyl propyl ester	272	C15H28O4	1000309-26-3	59
3	Decane	142	C10H22	000124-18-5	53
4	Dodecane, 1-fluoro-	188	C12H25F	000334-68-9	50
5	Nonane	128	C9H20	000111-84-2	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121219\
Data File : BM024051.D
Acq On : 12 Dec 2019 10:36
Operator : JU
Sample : K6088-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

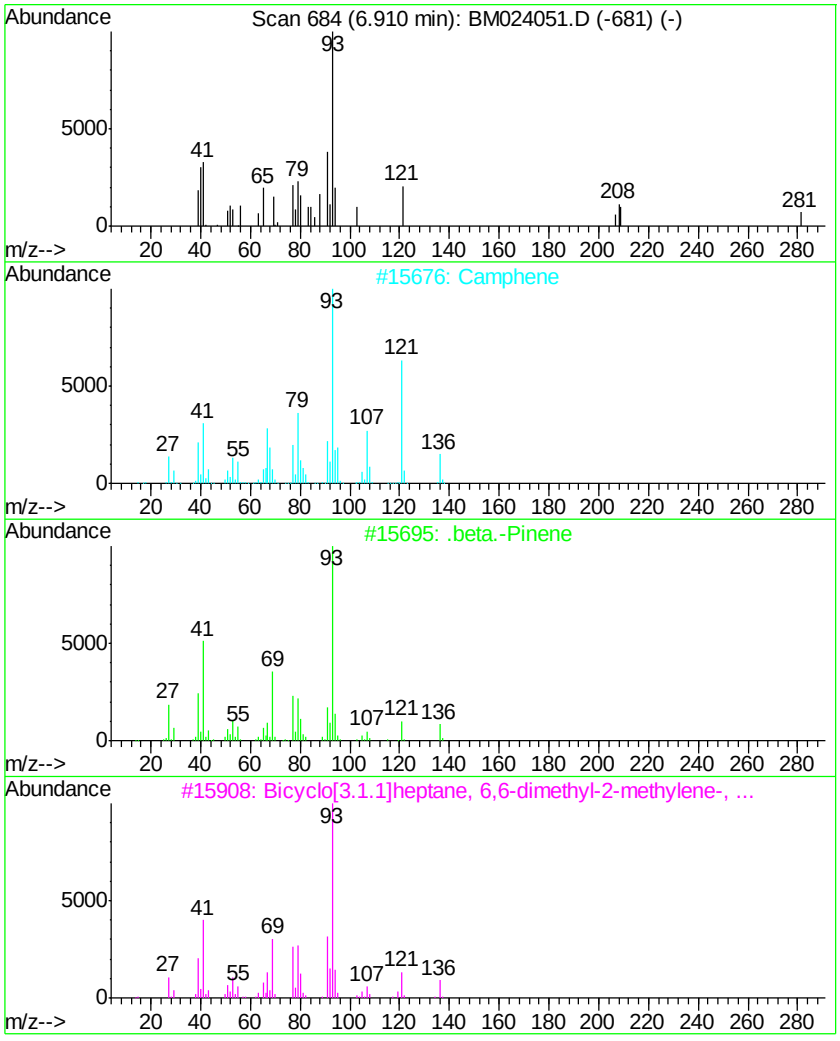
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

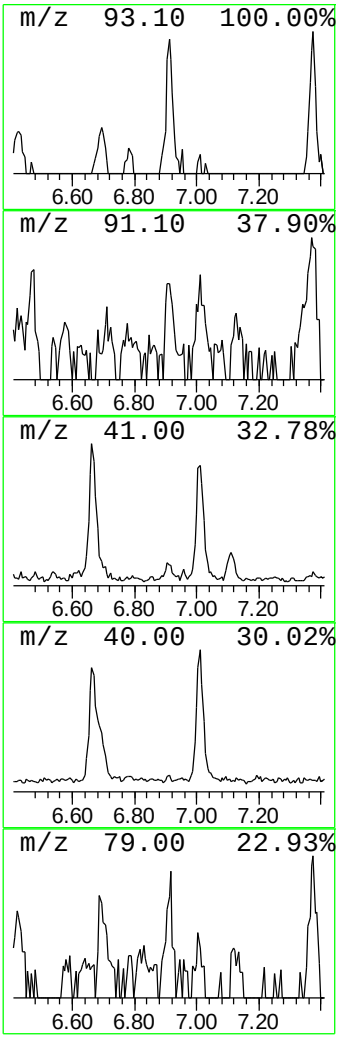
****

Peak Number 4 Camphene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	2.59 ng/ul	45151	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	50
2	.beta.-Pinene	136	C10H16	000127-91-3	47
3	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	47
4	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	40
5	.beta.-Pinene	136	C10H16	000127-91-3	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121219\
Data File : BM024051.D
Acq On : 12 Dec 2019 10:36
Operator : JU
Sample : K6088-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

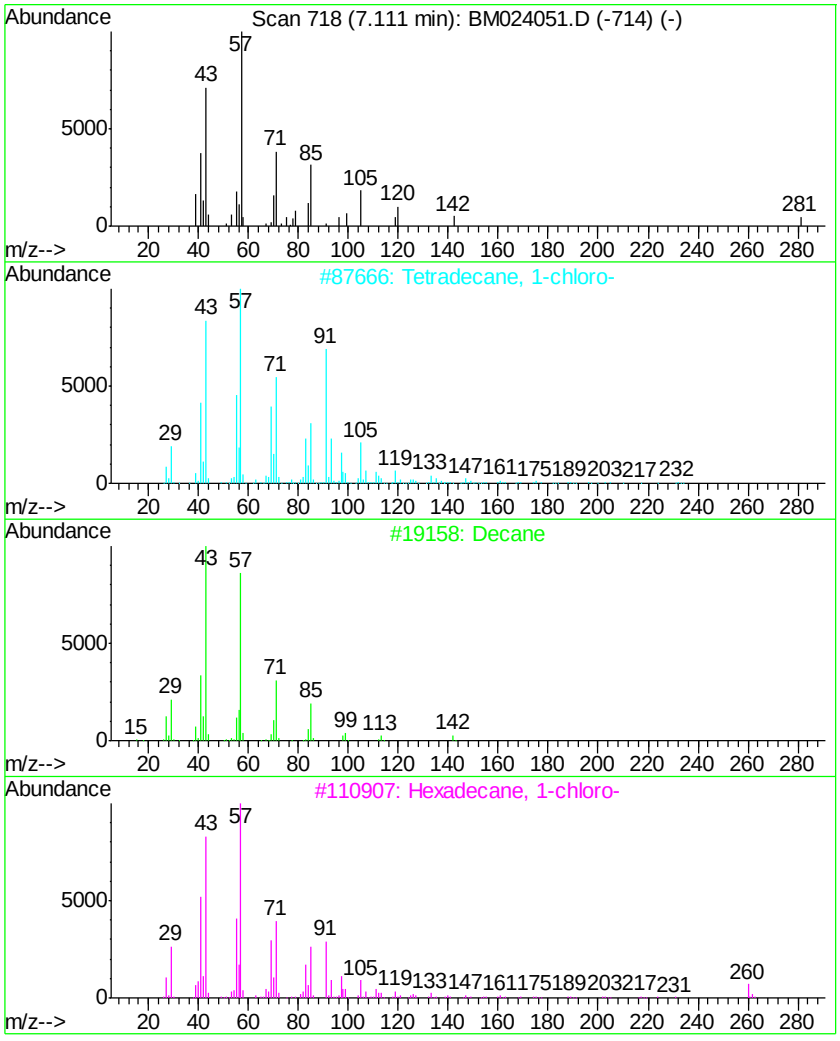
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

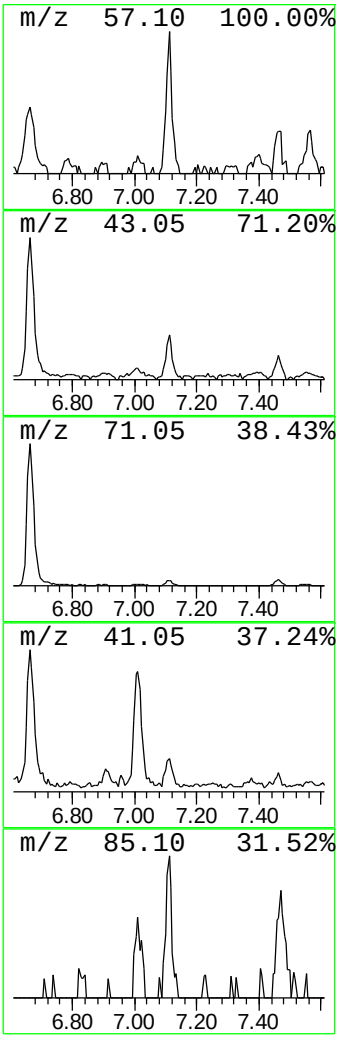
****

Peak Number 5 Tetradecane, 1-chloro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	3.69 ng/ul	64254	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	72
2	Decane	142	C10H22	000124-18-5	59
3	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	59
4	Undecane	156	C11H24	001120-21-4	53
5	Undecane	156	C11H24	001120-21-4	53





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Operator : JU
Sample : K6088-10
Misc :
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Instrument : BNA_M
ClientSampleId : C0BN7

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Quant Title : SVOA CALIBRATION

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

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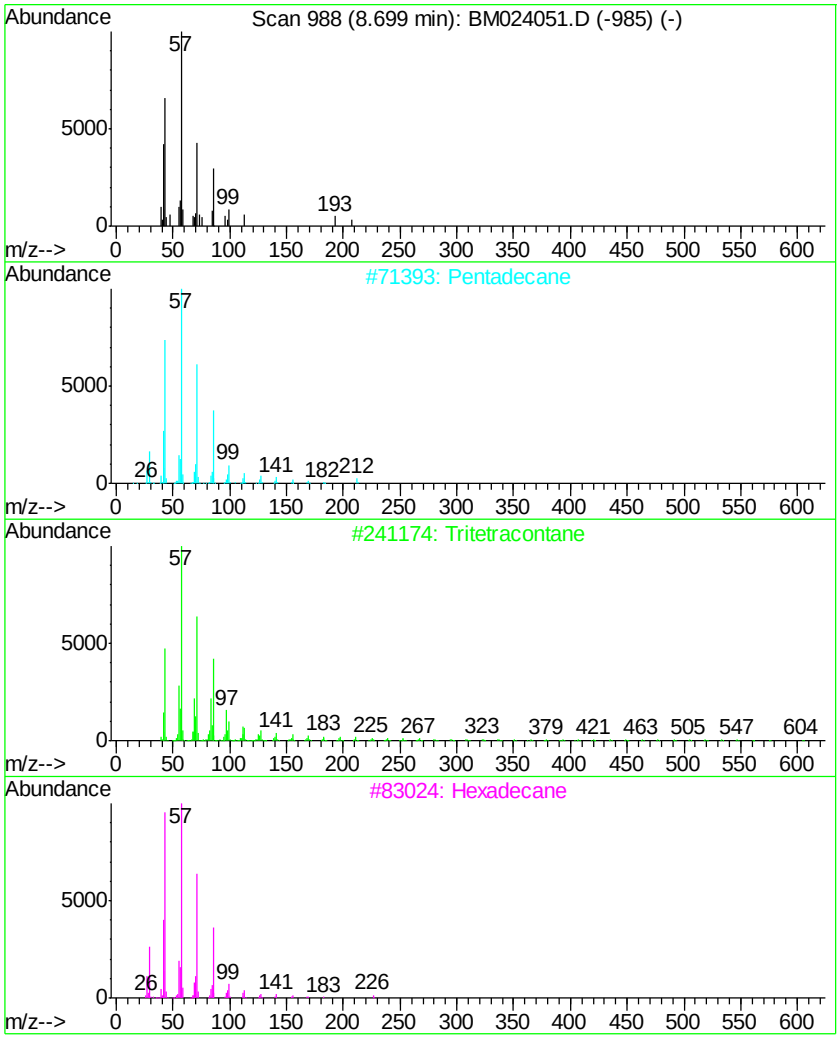
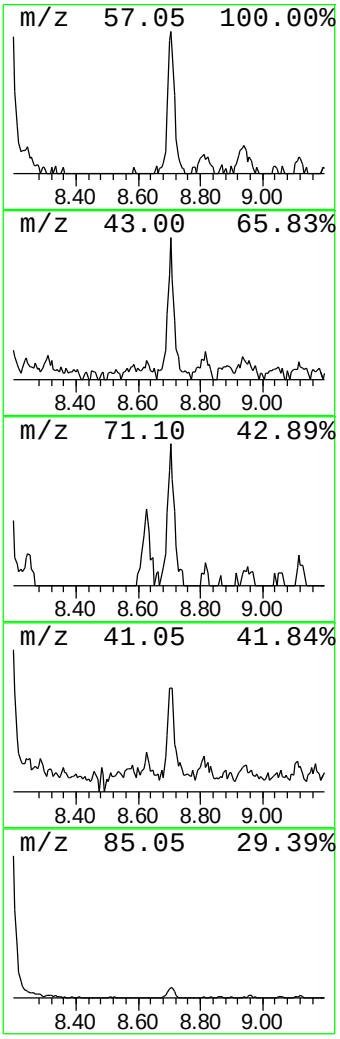
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	3.99 ng/ul	69508	1,4-Dichlorobenzene-d4	7.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	72
2	Tritetracontane	605	C43H88	007098-21-7	72
3	Hexadecane	226	C16H34	000544-76-3	72
4	Tetratetracontane	619	C44H90	007098-22-8	72
5	Tridecane	184	C13H28	000629-50-5	72





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Instrument : BNA_M
ClientSampleId : C0BN7

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Quant Title : SVOA CALIBRATION

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

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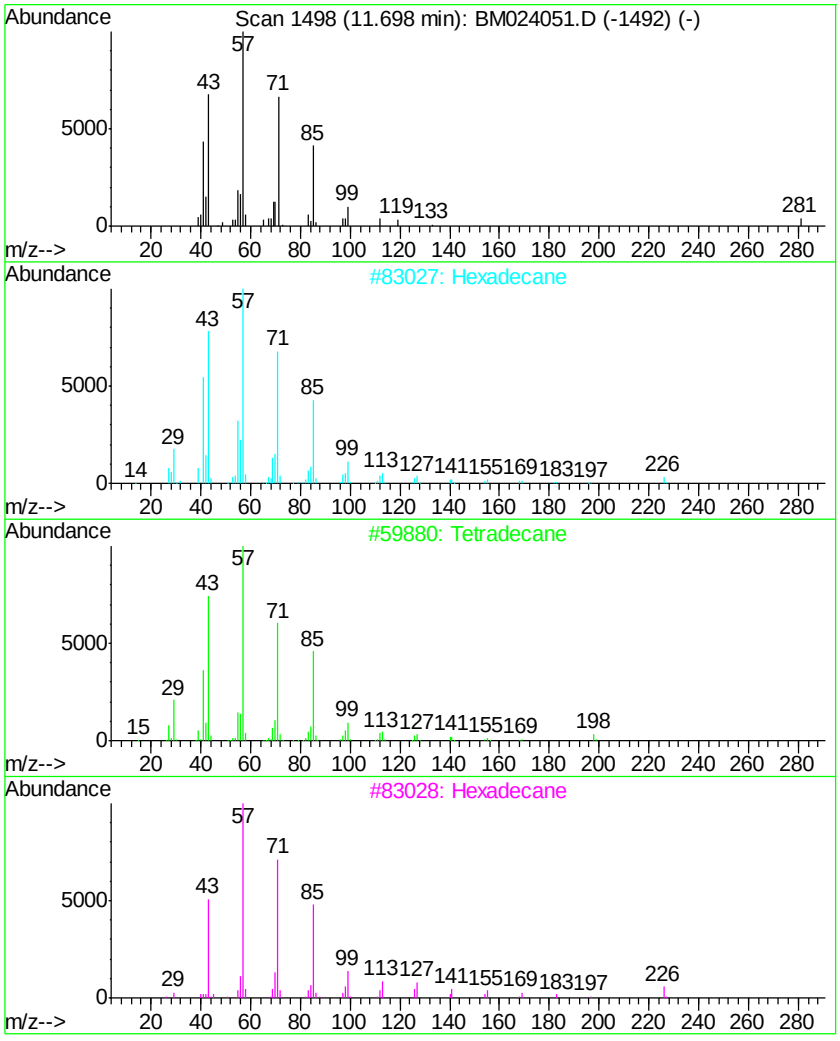
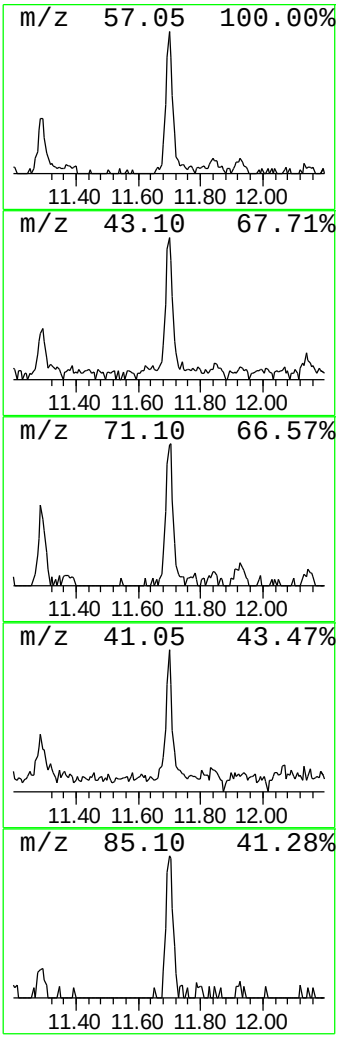
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	2.61 ng/ul	73885	Naphthalene-d8	10.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Tetradecane	198	C14H30	000629-59-4	78
3	Hexadecane	226	C16H34	000544-76-3	78
4	Octadecane	254	C18H38	000593-45-3	78
5	Nonadecane	268	C19H40	000629-92-5	78





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Instrument : BNA_M
ClientSampleId : C0BN7

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Quant Title : SVOA CALIBRATION

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

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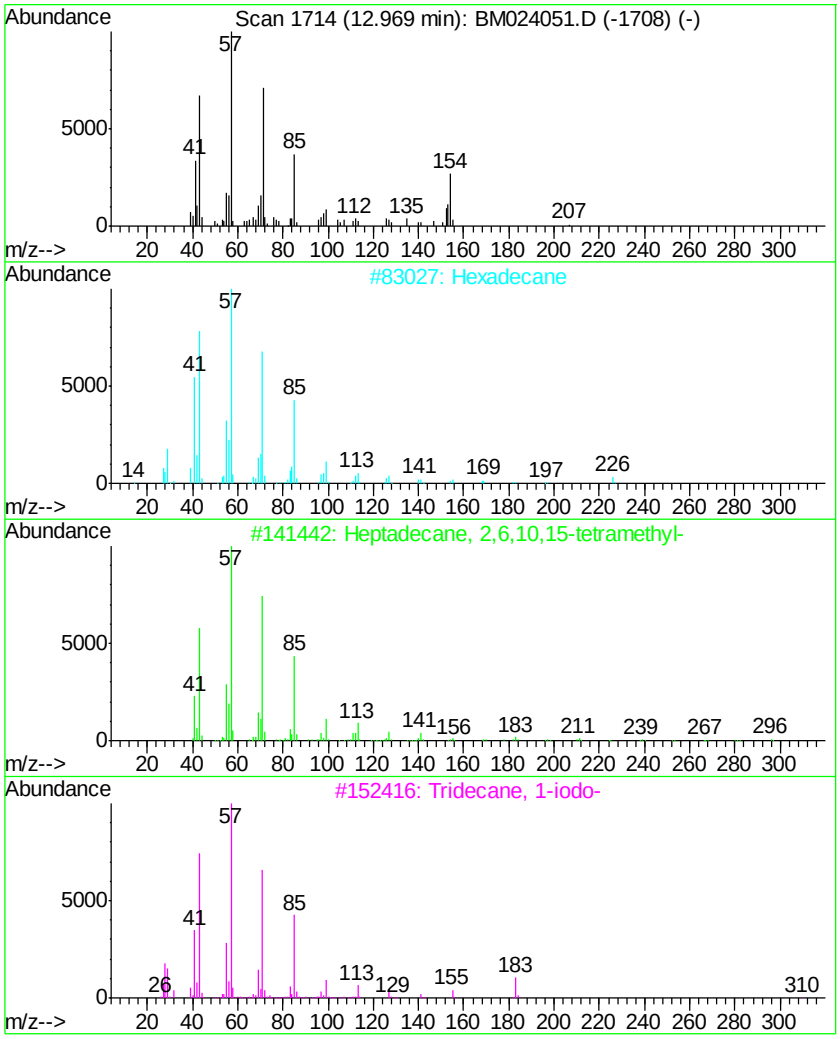
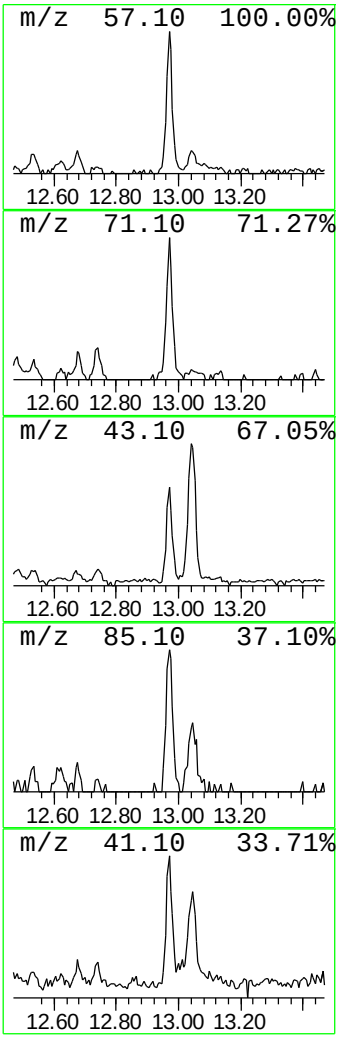
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	3.07 ng/ul	117344	Acenaphthene-d10	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	52
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	50
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	47
4	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	43
5	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	38





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

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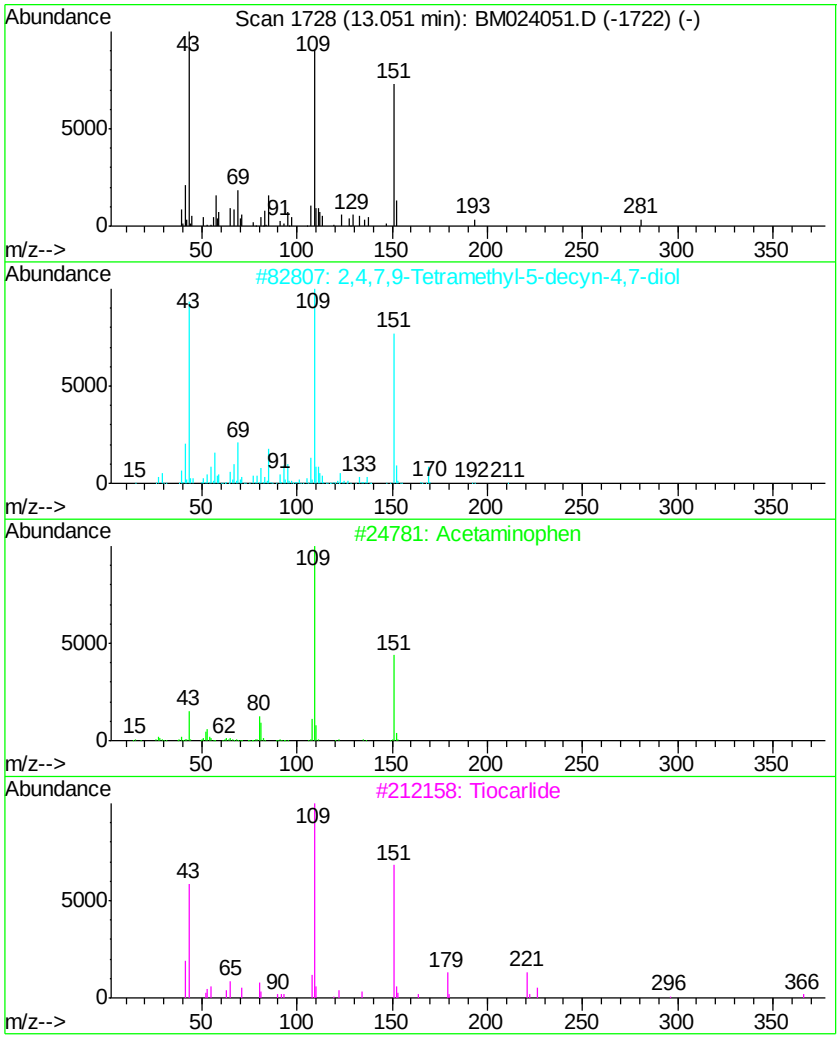
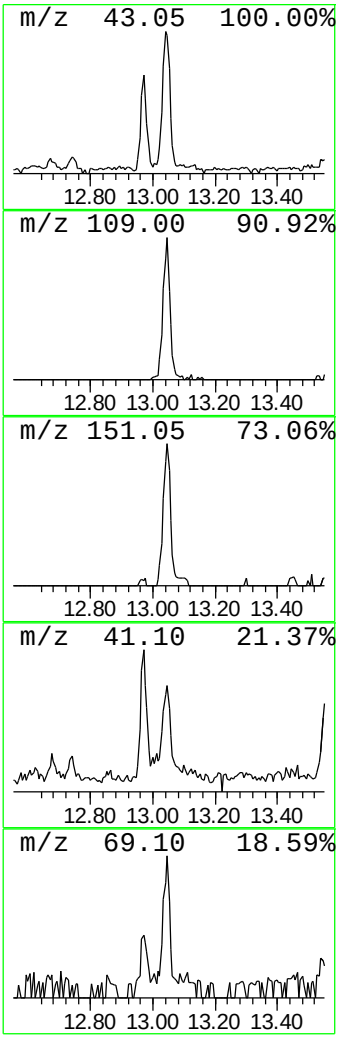
Peak Number 9 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	3.27 ng/ul	125103	Acenaphthene-d10	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	62
2	Acetaminophen	151	C8H9NO2	000103-90-2	59
3	Tiocarlide	400	C23H32N2O2S	000910-86-1	59
4	Diacetamate	193	C10H11NO3	002623-33-8	45
5	Metacetamol	151	C8H9NO2	000621-42-1	45





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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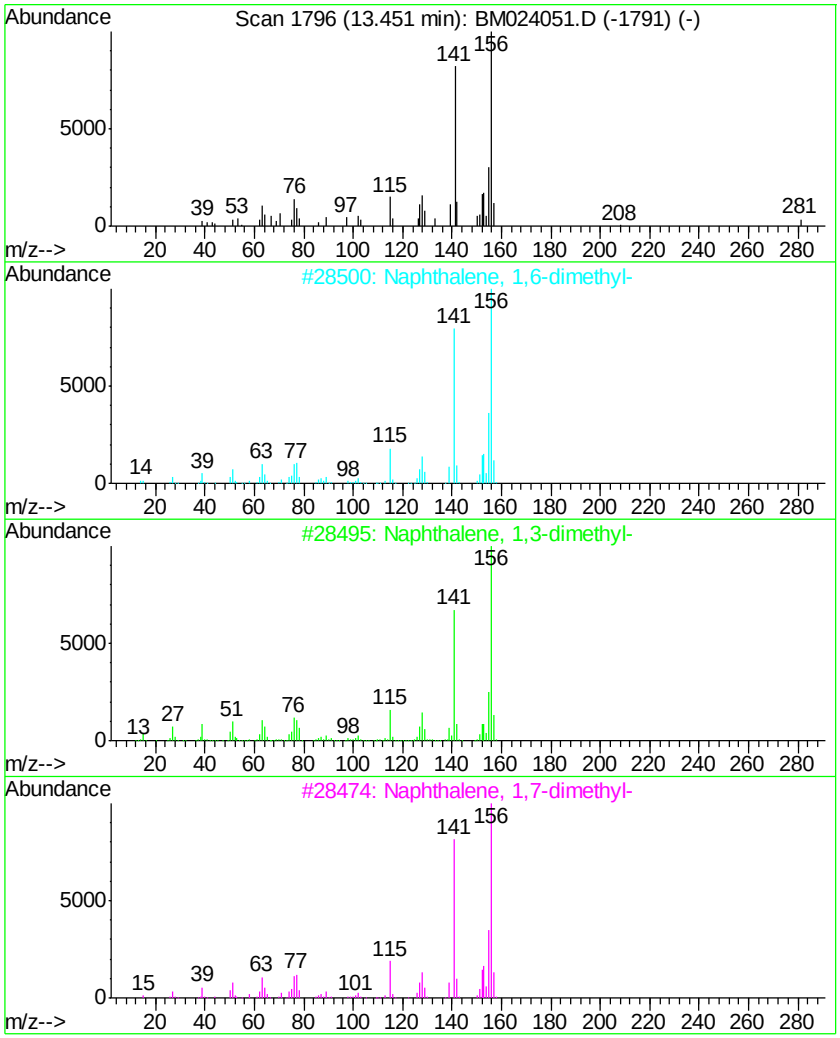
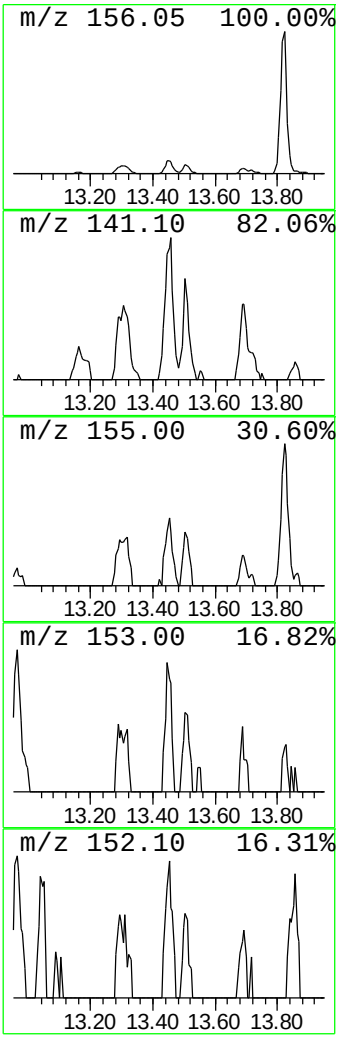
Peak Number 10 Naphthalene, 1,6-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	2.24 ng/ul	85668	Acenaphthene-d10	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96





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Quant Title : SVOA CALIBRATION

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

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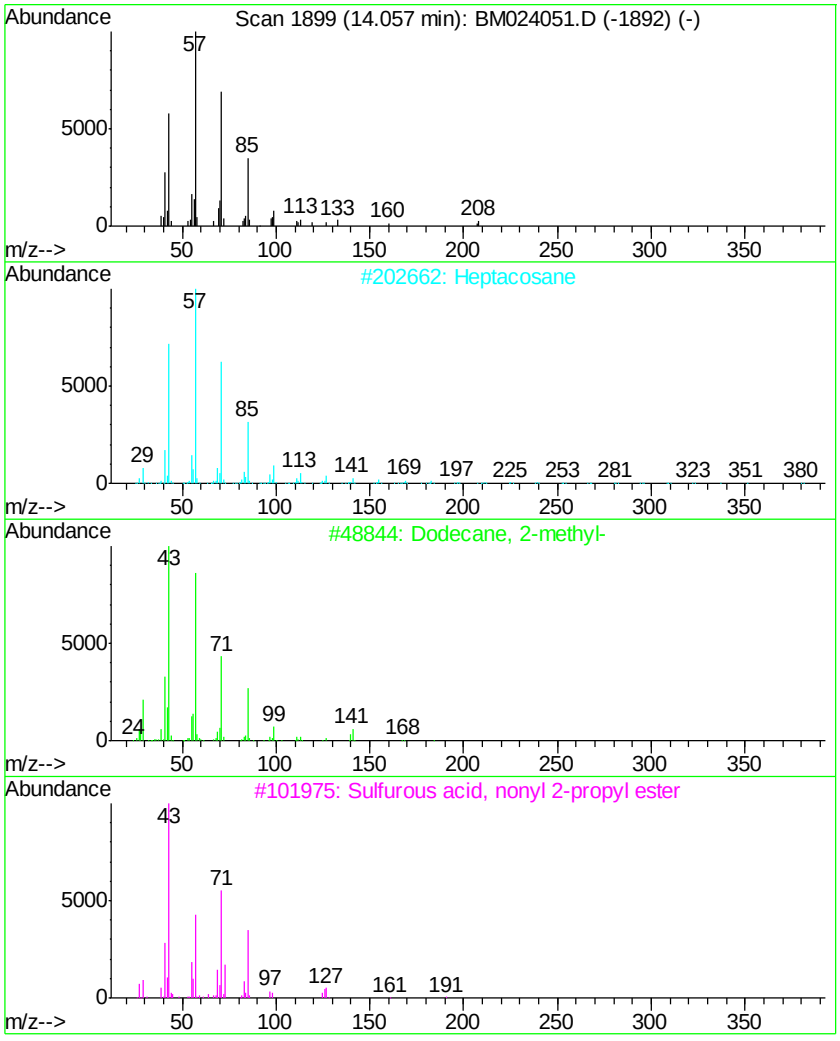
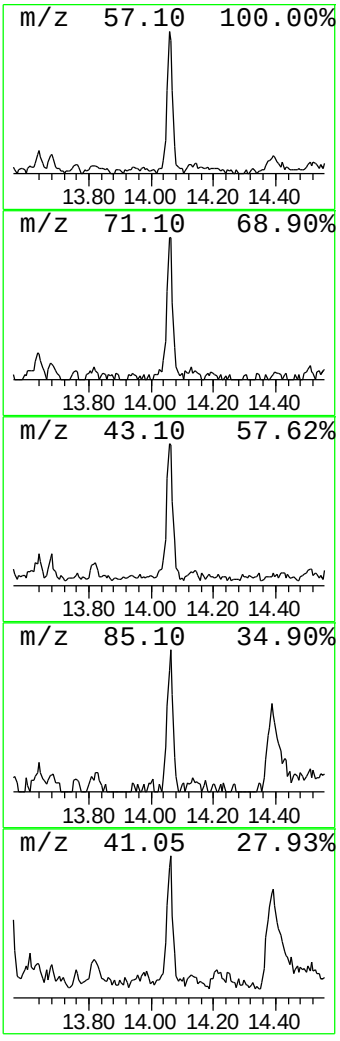
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.06	2.44 ng/ul	93392	Acenaphthene-d10	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	80
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	72
3	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	59
4	Heneicosane	296	C21H44	000629-94-7	53
5	Heptadecane	240	C17H36	000629-78-7	50





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Sample : K6088-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

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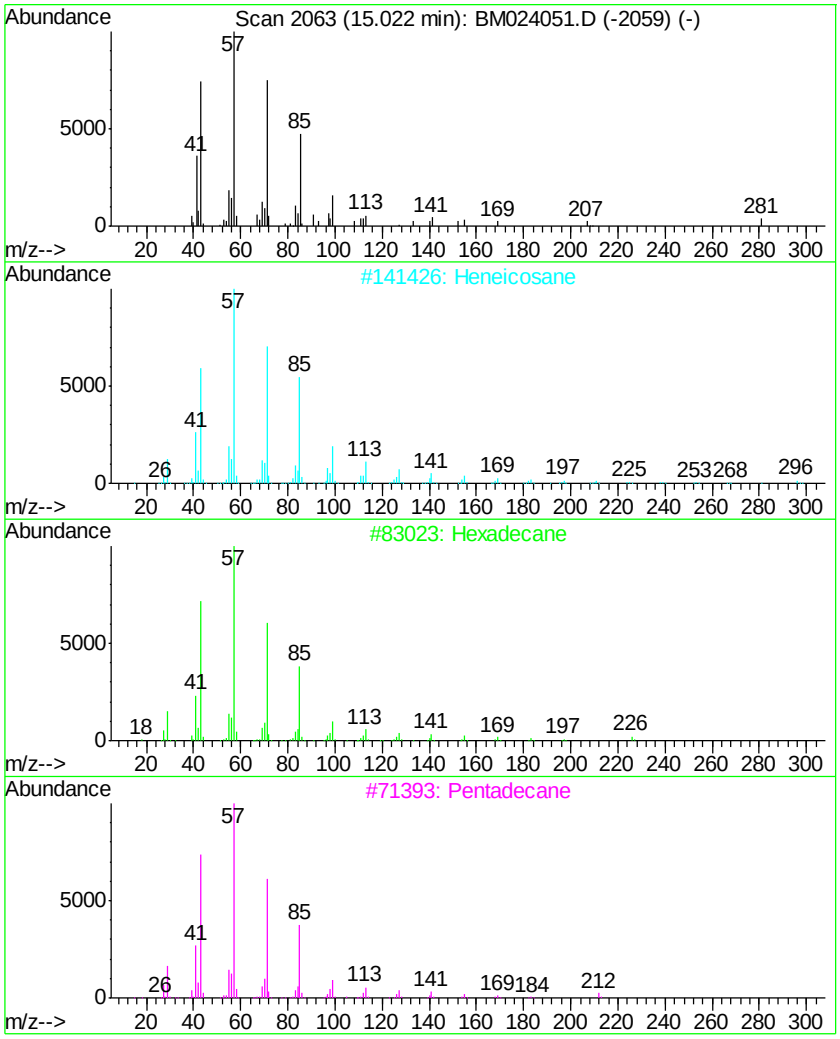
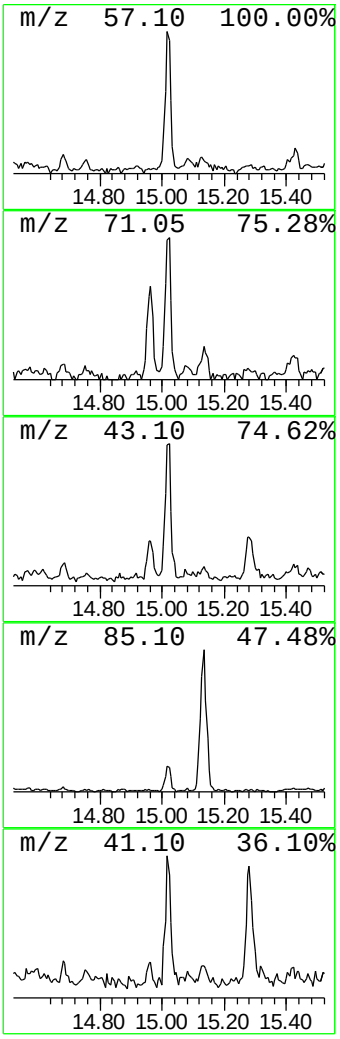
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	2.31 ng/ul	88372	Acenaphthene-d10	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Pentadecane	212	C15H32	000629-62-9	87
4	Heneicosane	296	C21H44	000629-94-7	83
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

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Quant Title : SVOA CALIBRATION

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

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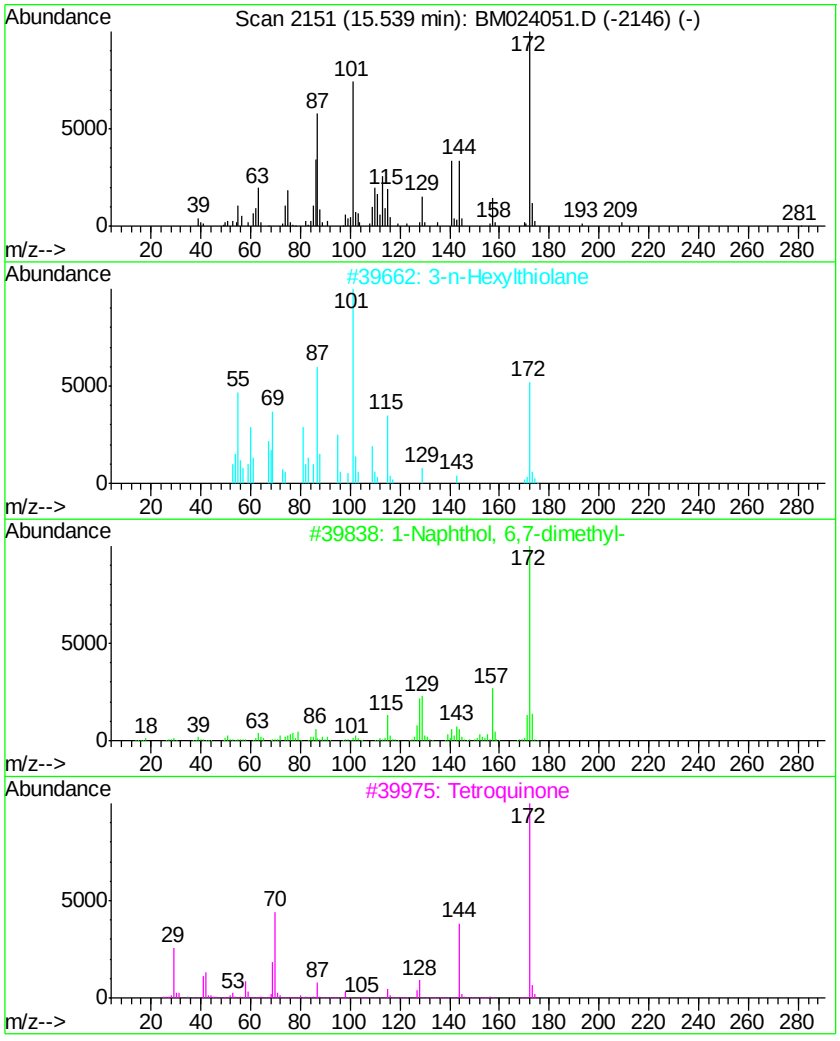
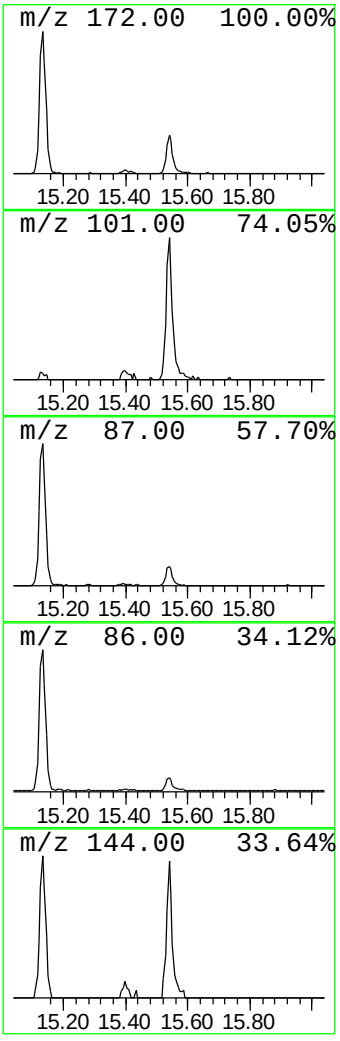
Peak Number 13 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	4.56 ng/ul	195289	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-n-Hexylthiolane	172	C10H20S	001613-50-9	22
2	1-Naphthol, 6,7-dimethyl-	172	C12H12O	031776-14-4	20
3	Tetroquinone	172	C6H4O6	000319-89-1	14
4	Valine, N-methyl-n-propoxycarbon...	245	C12H23NO4	1000328-91-4	14
5	l-Isoleucine, N-propoxycarbonyl-...	301	C16H31NO4	1000313-56-6	14





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Instrument : BNA_M
ClientSampleId : C0BN7

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Quant Title : SVOA CALIBRATION

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

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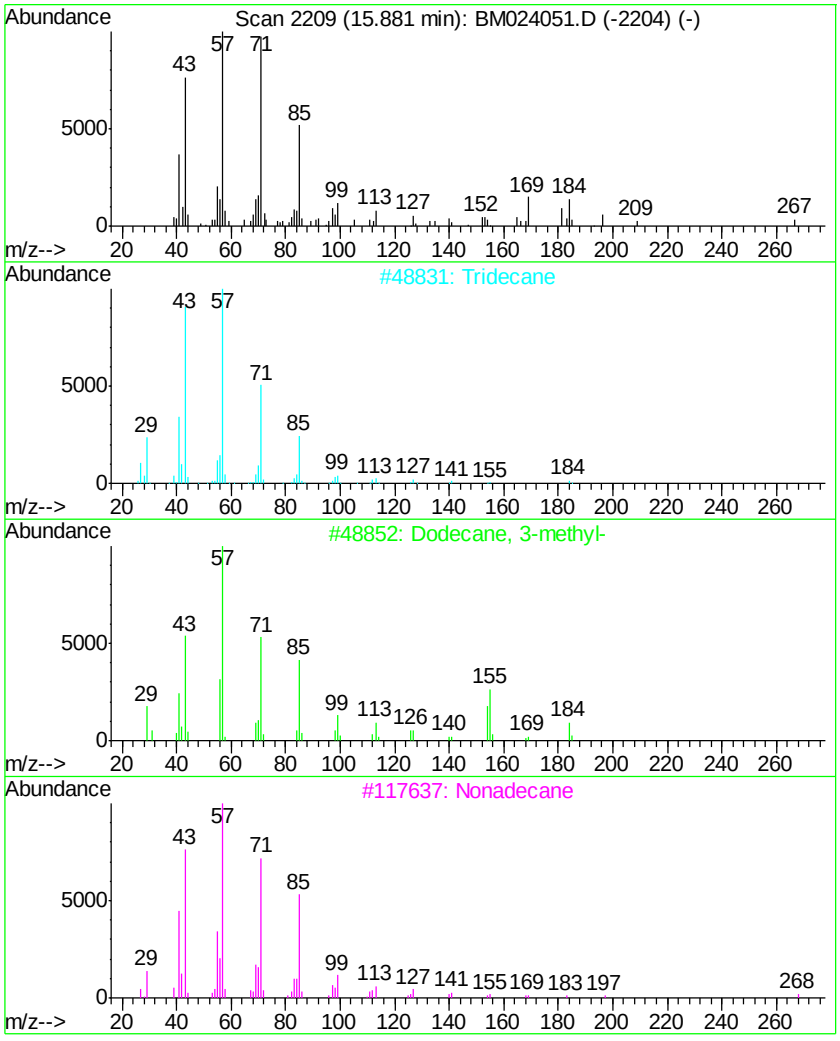
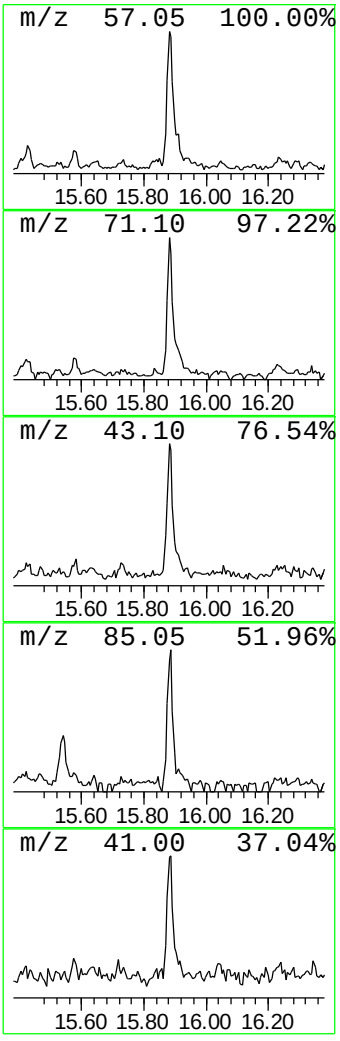
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	3.04 ng/ul	130082	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	74
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	53
3	Nonadecane	268	C19H40	000629-92-5	53
4	Hexadecane	226	C16H34	000544-76-3	52
5	Sulfurous acid, decyl pentyl ester	292	C15H32O3S	1000309-14-3	52





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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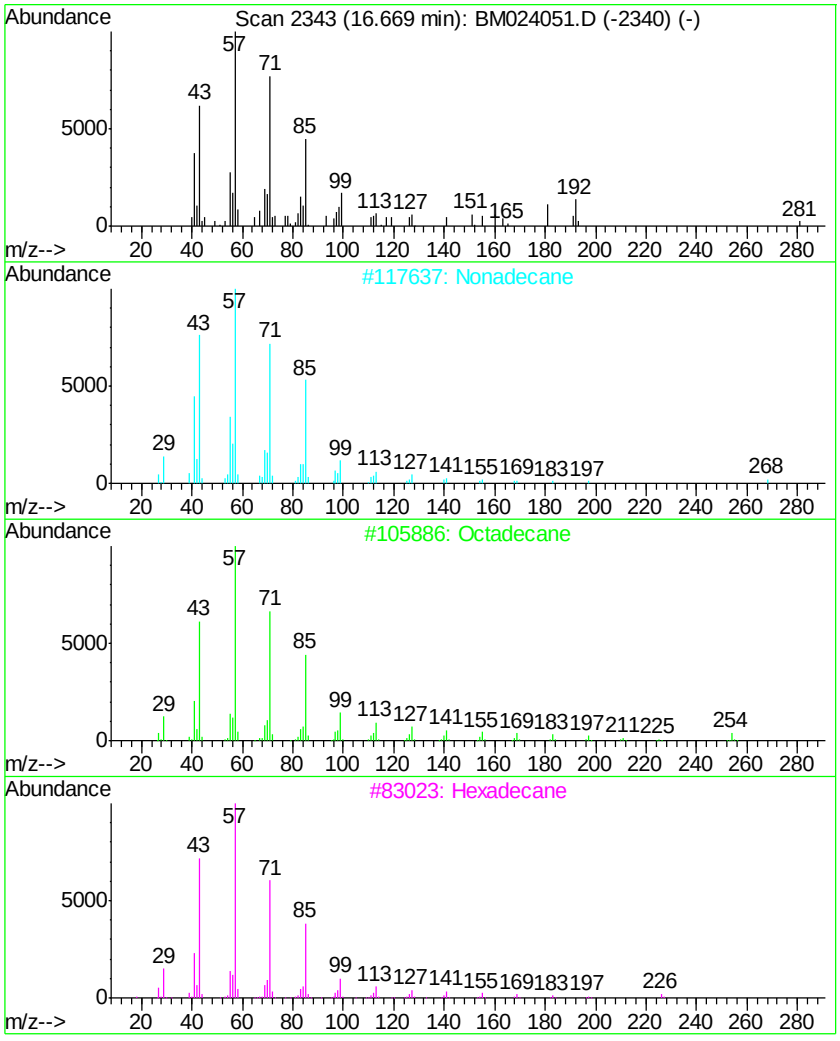
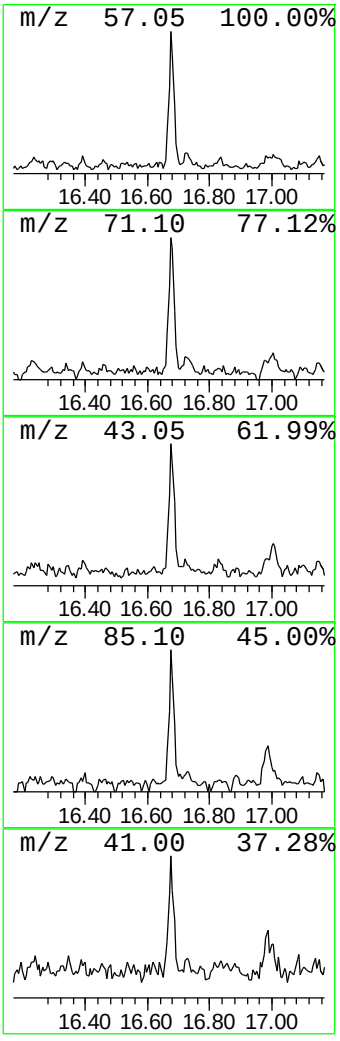
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	2.06 ng/ul	88420	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	76
2	Octadecane	254	C18H38	000593-45-3	74
3	Hexadecane	226	C16H34	000544-76-3	72
4	Hexadecane	226	C16H34	000544-76-3	72
5	Heptadecane	240	C17H36	000629-78-7	72





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ClientSampleId : C0BN7

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Quant Title : SVOA CALIBRATION

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

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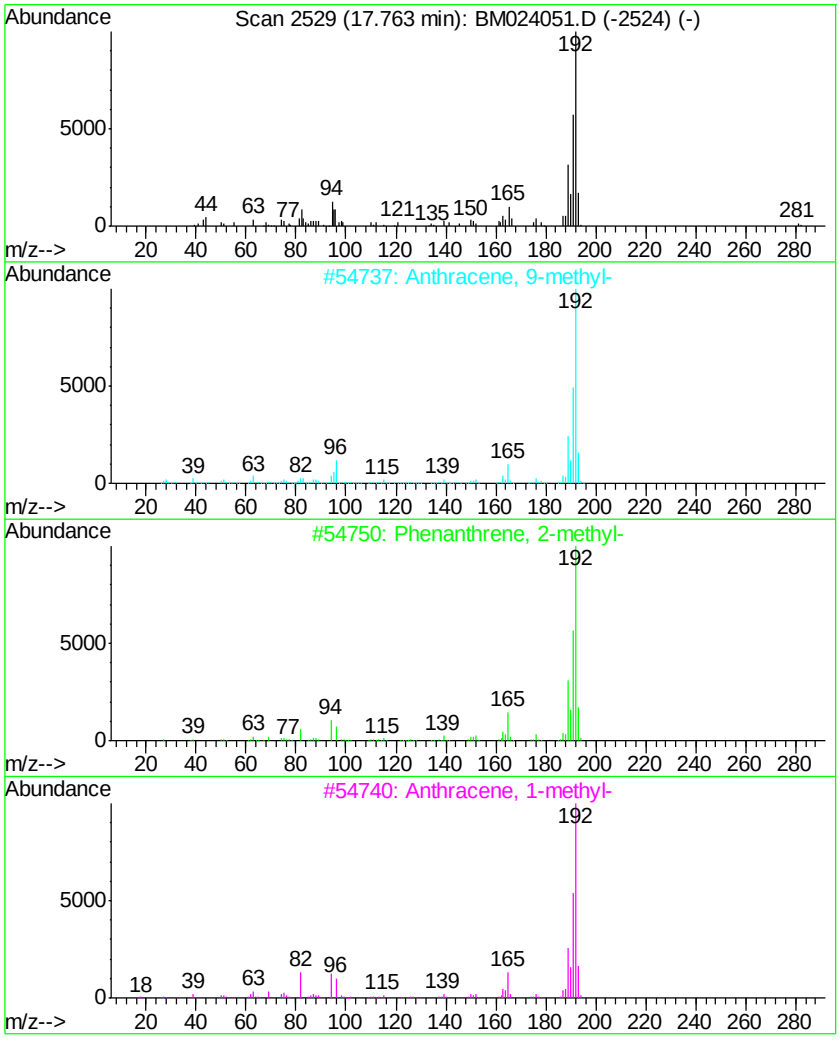
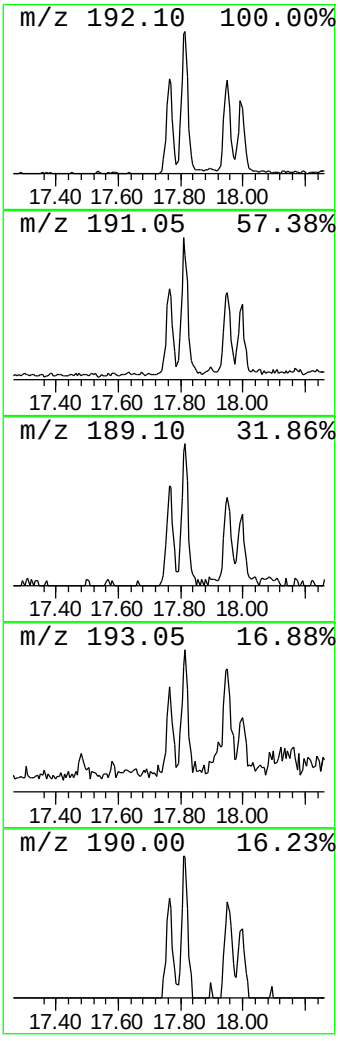
Peak Number 16 Anthracene, 9-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	2.46 ng/ul	105501	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

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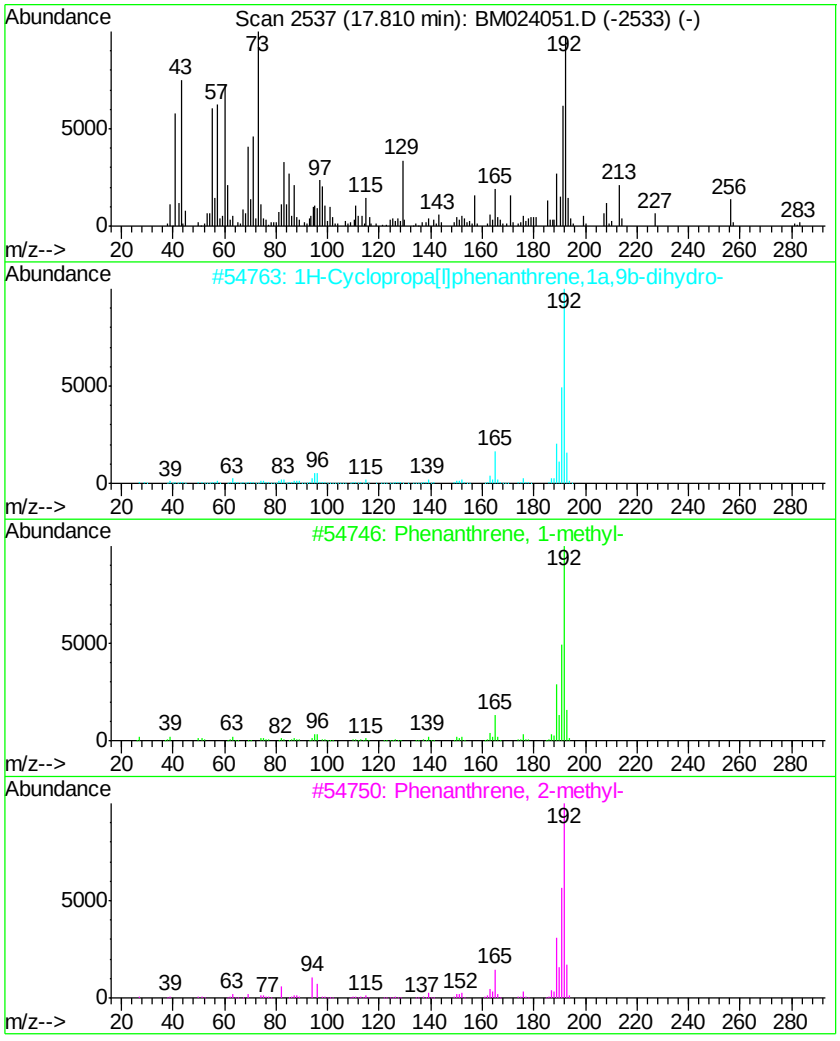
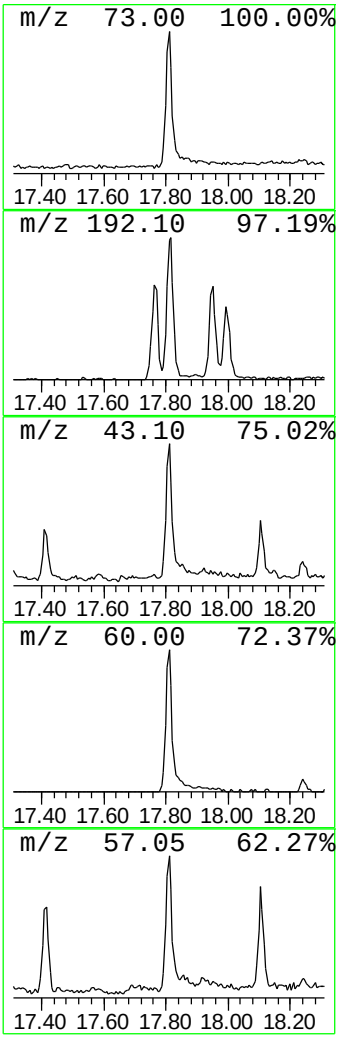
Peak Number 17 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.81	13.17 ng/ul	564434	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	84





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Operator : JU
Sample : K6088-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

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Quant Title : SVOA CALIBRATION

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

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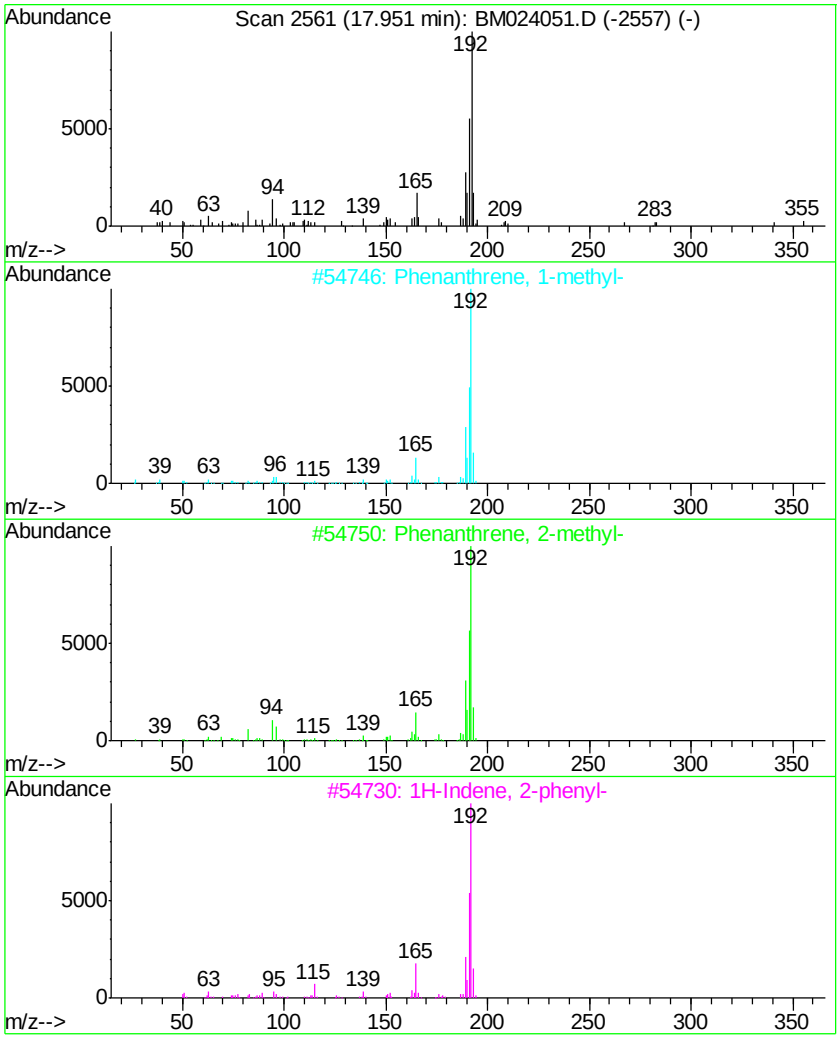
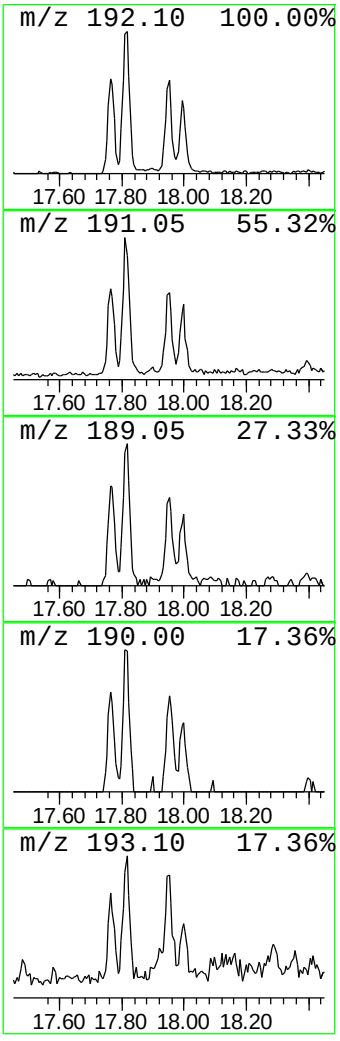
Peak Number 18 Phenanthrene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	2.05 ng/ul	87892	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89





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Sample : K6088-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

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Quant Title : SVOA CALIBRATION

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

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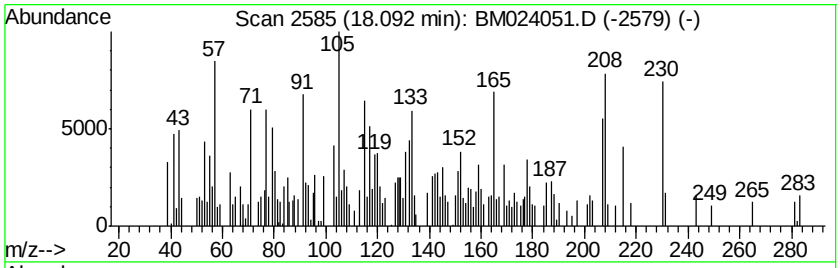
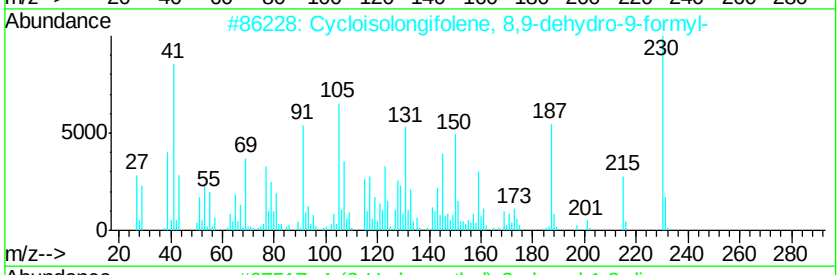
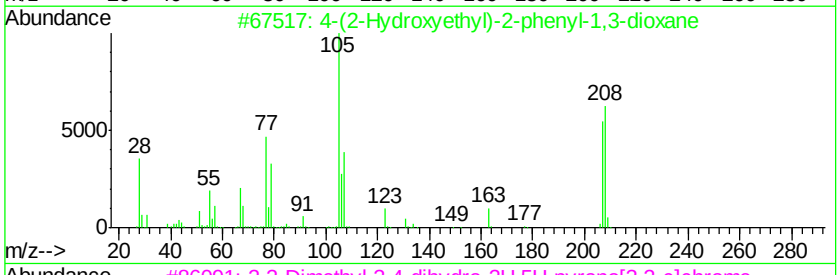
Peak Number 19 Cycloisolongifolene, 8,9-de... Concentration Rank 7

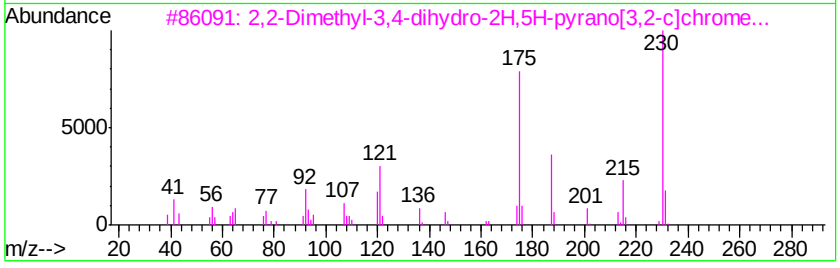
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	6.58 ng/ul	281998	Phenanthrene-d10	16.89

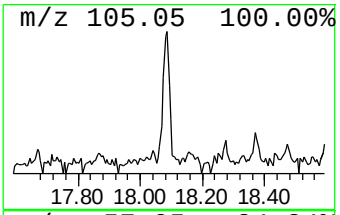
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloisolongifolene, 8,9-dehydro...	230	C16H22O	059820-24-5	64
2	4-(2-Hydroxyethyl)-2-phenyl-1,3-...	208	C12H16O3	105402-06-0	25
3	2,2-Dimethyl-3,4-dihydro-2H,5H-p...	230	C14H14O3	031490-68-3	25
4	Benzenepropanol, 2,4,6-trimethyl-	178	C12H18O	027645-07-4	18
5	Spiro[1,3,3-trimethylindoline]-2...	230	C14H18N2O	1000305-93-3	18

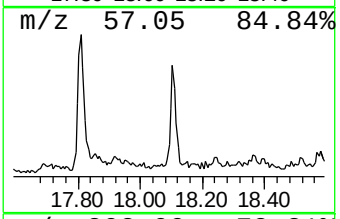


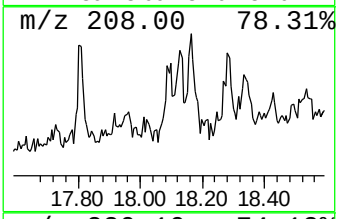


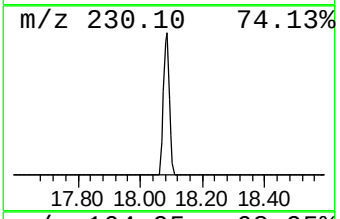


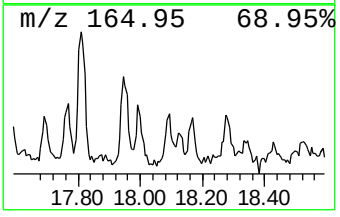












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Data File : BM024051.D
Acq On : 12 Dec 2019 10:36
Operator : JU
Sample : K6088-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

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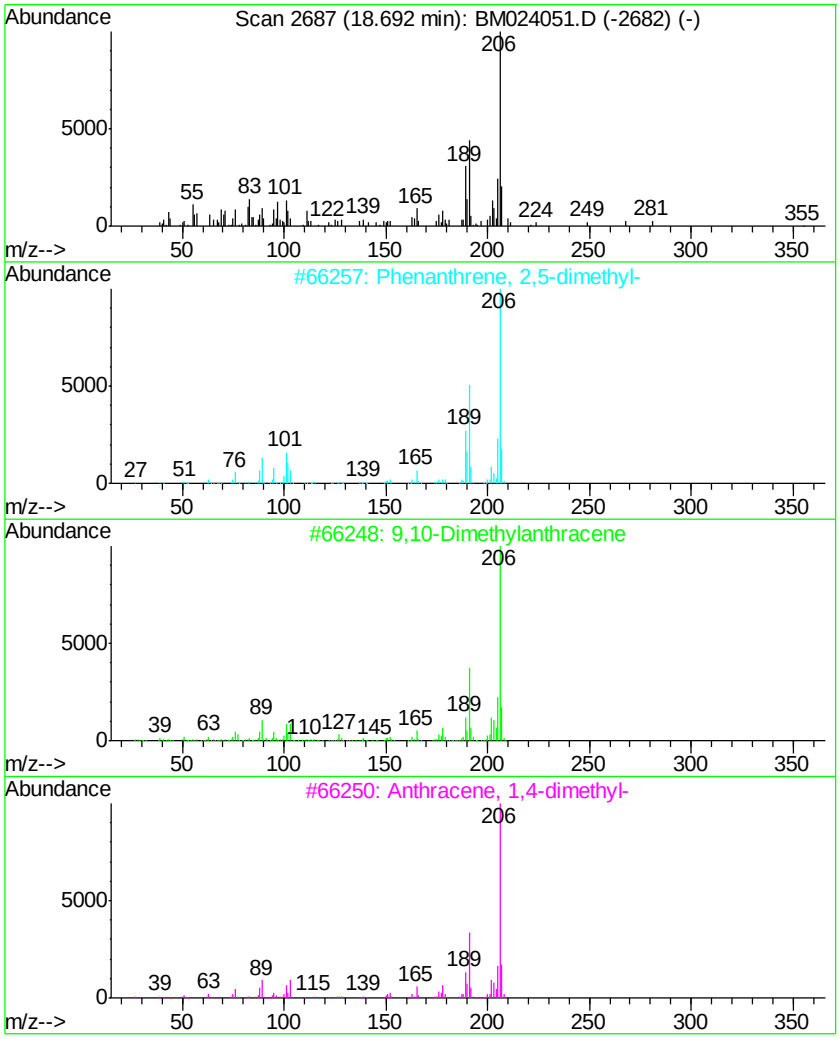
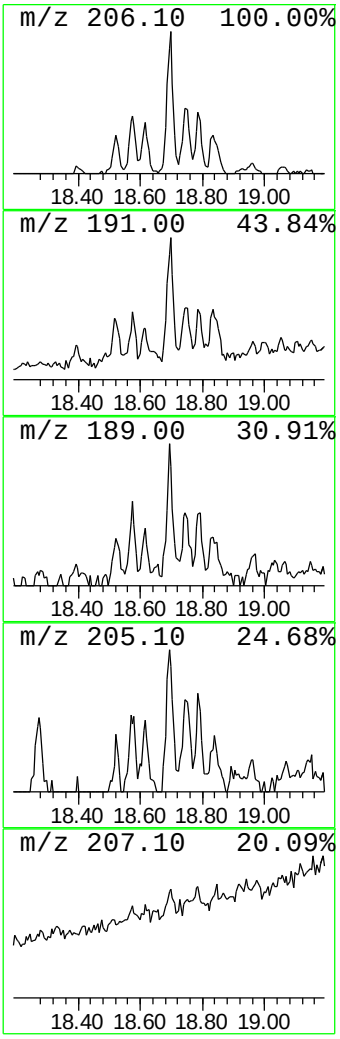
Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	3.60 ng/ul	154471	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





Library Search Compound Report

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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

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Quant Title : SVOA CALIBRATION

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

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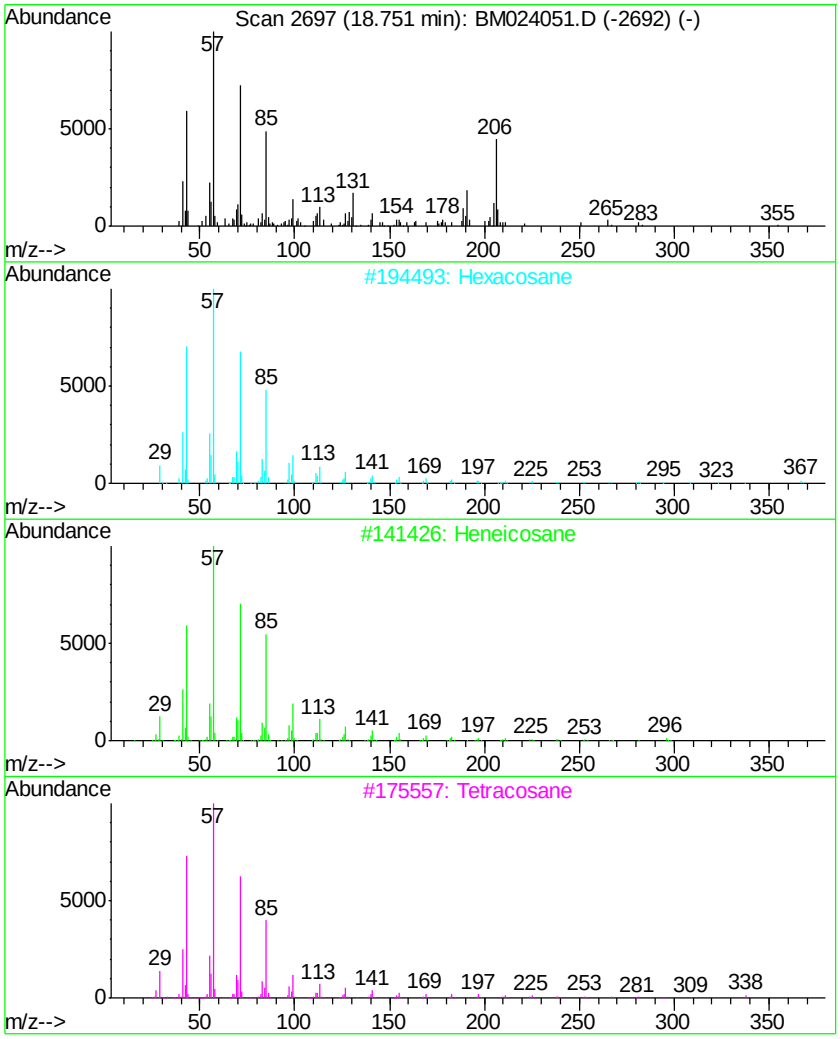
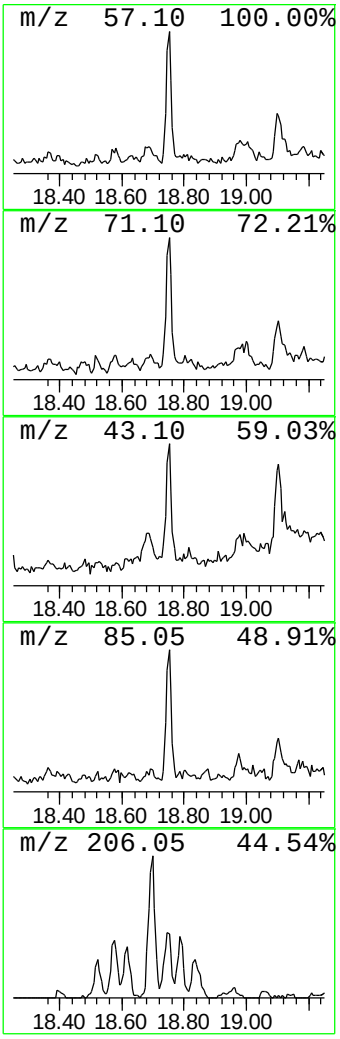
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	3.67 ng/ul	157462	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	46
2	Heneicosane	296	C21H44	000629-94-7	46
3	Tetracosane	338	C24H50	000646-31-1	46
4	Octadecane	254	C18H38	000593-45-3	46
5	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	46





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

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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 22 Octadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	3.61 ng/ul	148936	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	80
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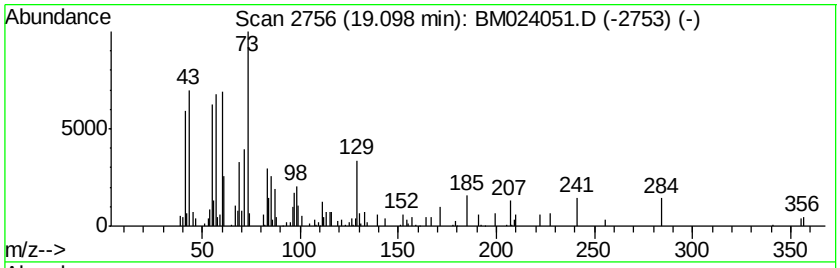

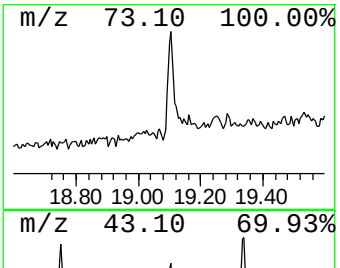

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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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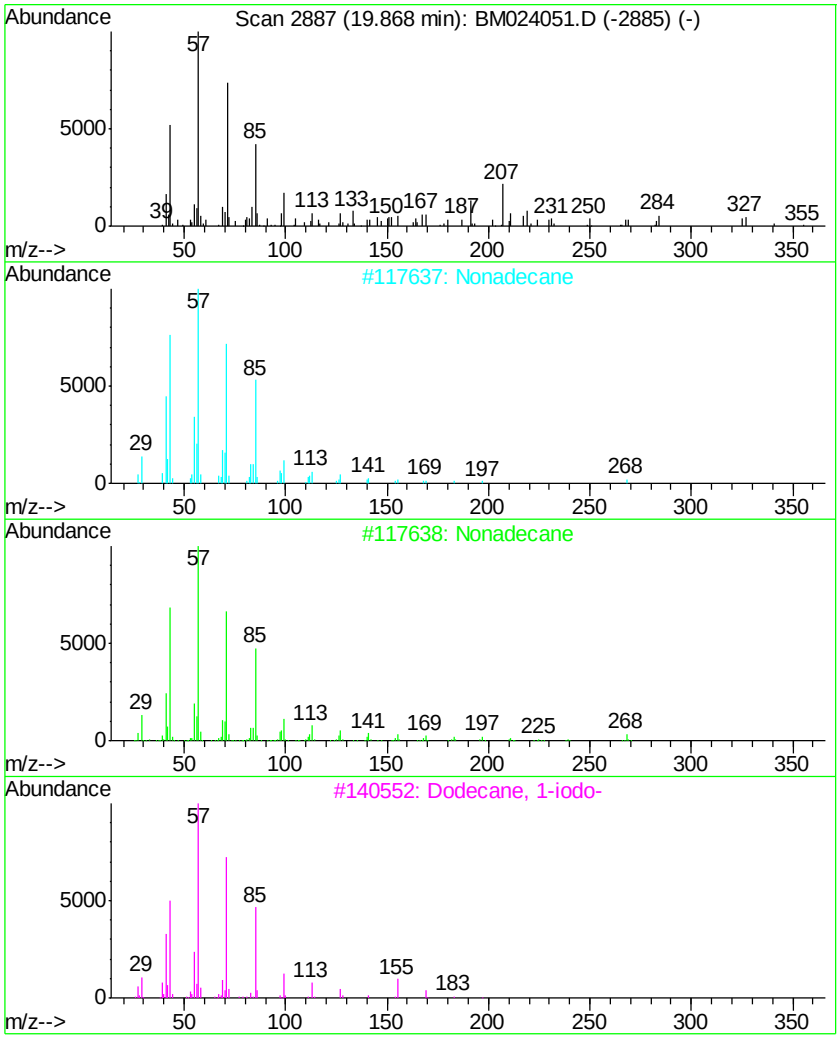
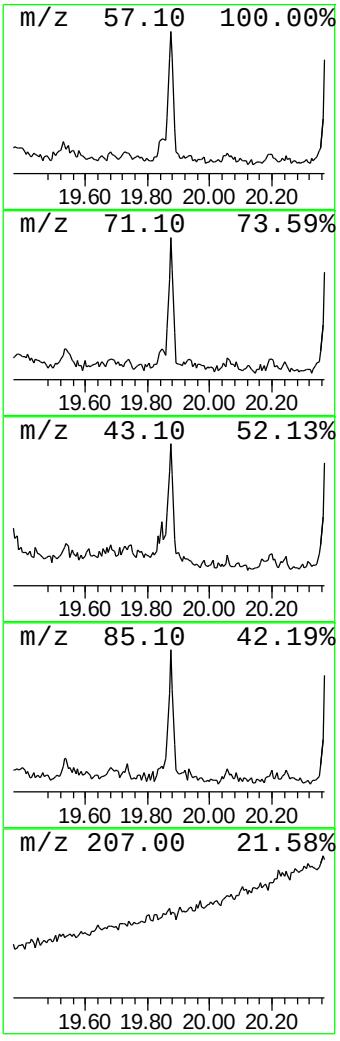
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	2.35 ng/ul	96979	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Nonadecane	268	C19H40	000629-92-5	86
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	83
4	Heptadecane	240	C17H36	000629-78-7	72
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	64





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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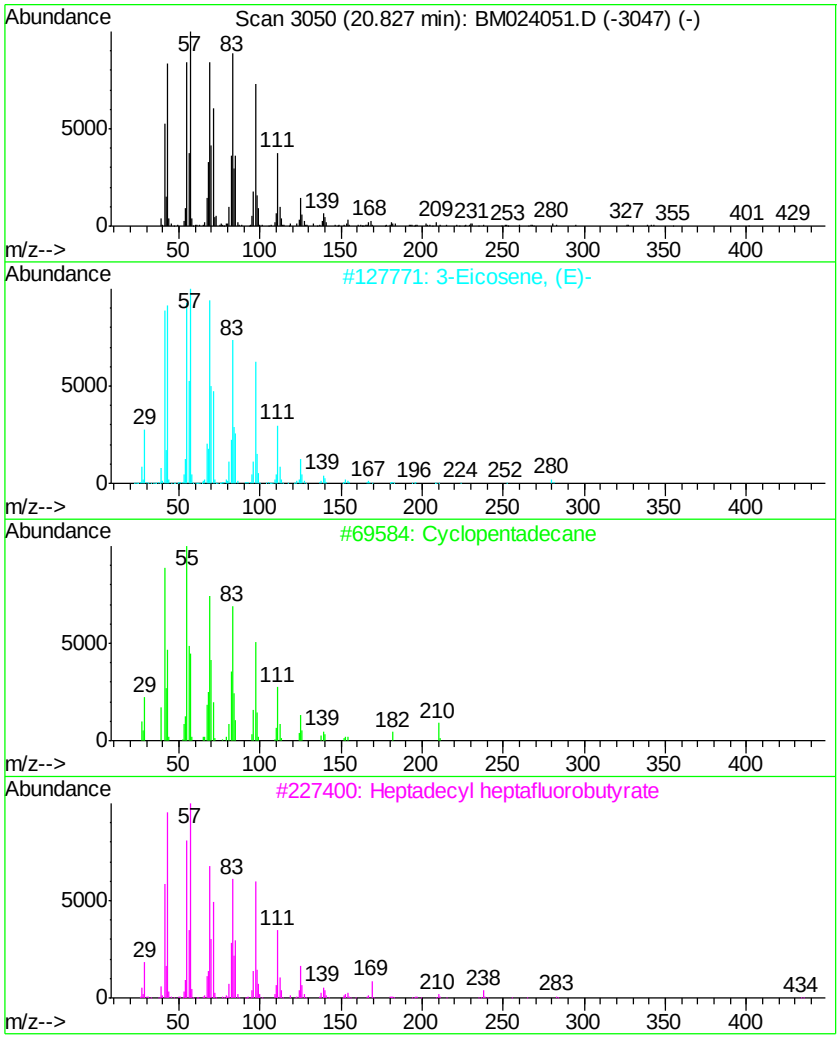
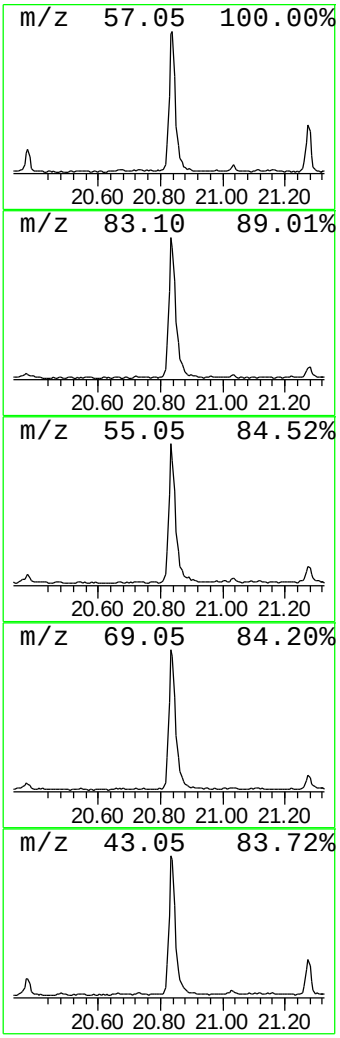
Peak Number 24 (DEL) Alkane: Cyclic20.83 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	37.36 ng/ul	1540520	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	98
2	Cyclopentadecane	210	C15H30	000295-48-7	94
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
4	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91
5	1-Docosene	308	C22H44	001599-67-3	87





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Quant Title : SVOA CALIBRATION

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

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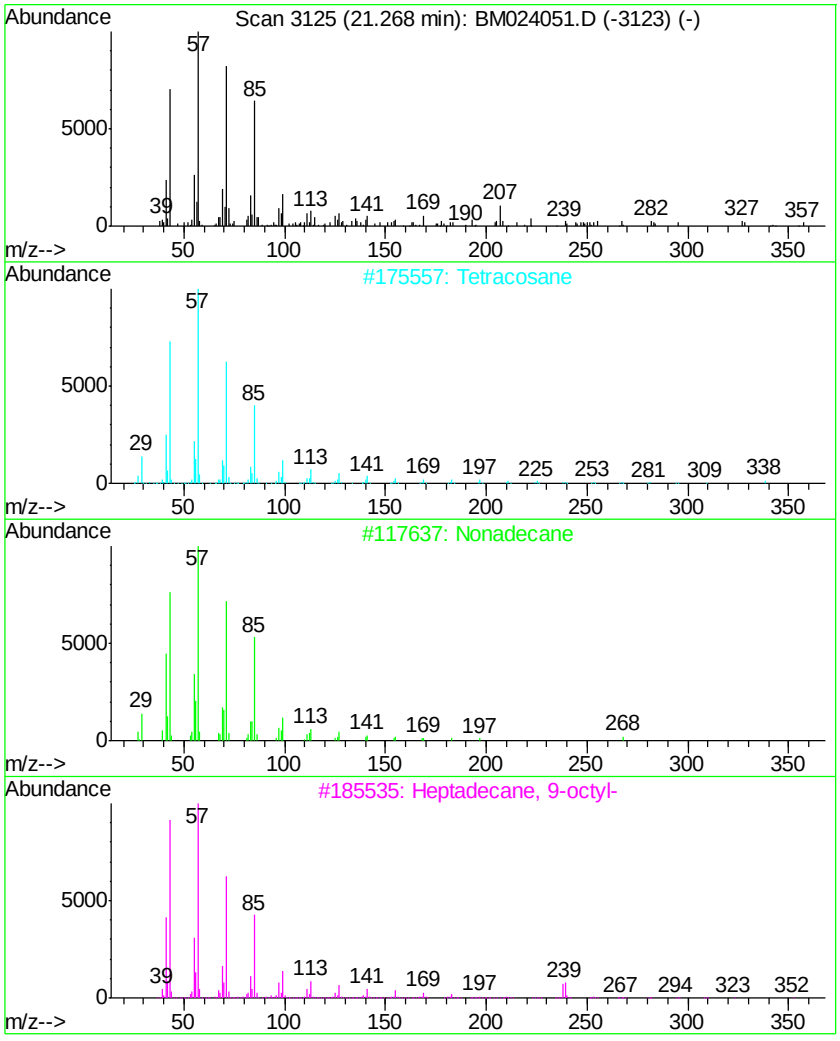
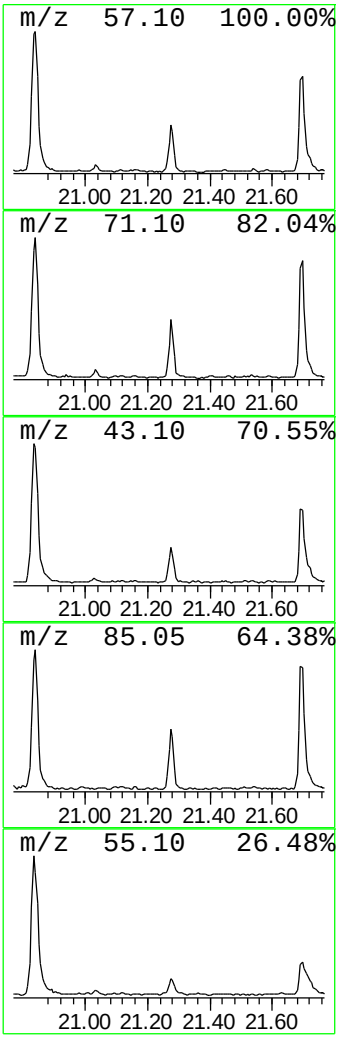
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.27	5.57 ng/ul	229637	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	91
2	Nonadecane	268	C19H40	000629-92-5	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Octadecane	254	C18H38	000593-45-3	83





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Instrument : BNA_M
ClientSampleId : C0BN7

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Quant Title : SVOA CALIBRATION

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

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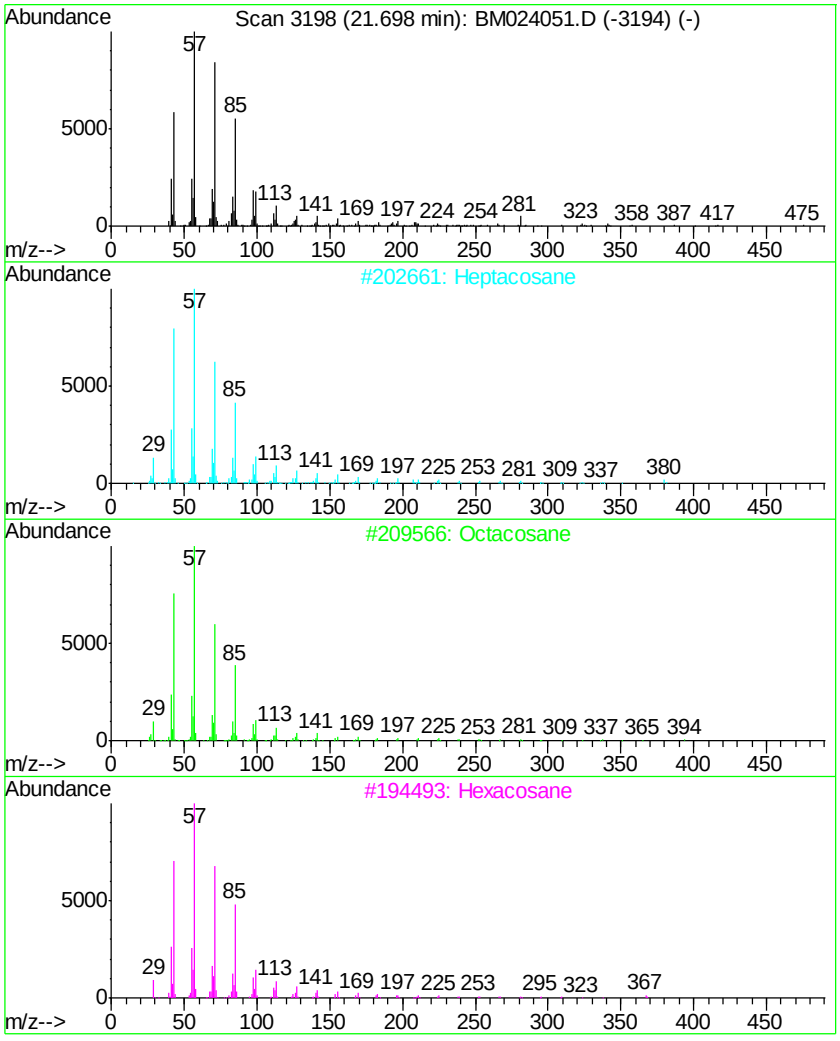
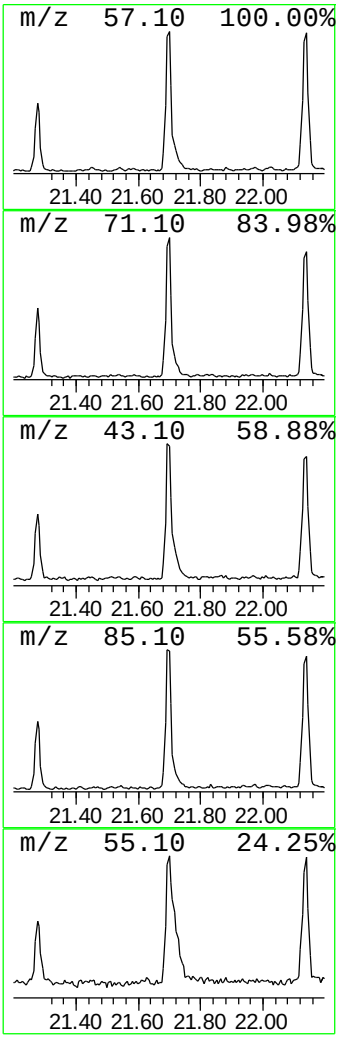
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.70	17.08 ng/ul	704187	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	91
2	Octacosane	394	C28H58	000630-02-4	90
3	Hexacosane	366	C26H54	000630-01-3	90
4	Tritetracontane	605	C43H88	007098-21-7	87
5	Heptadecane	240	C17H36	000629-78-7	87





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ClientSampleId : C0BN7

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Quant Title : SVOA CALIBRATION

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

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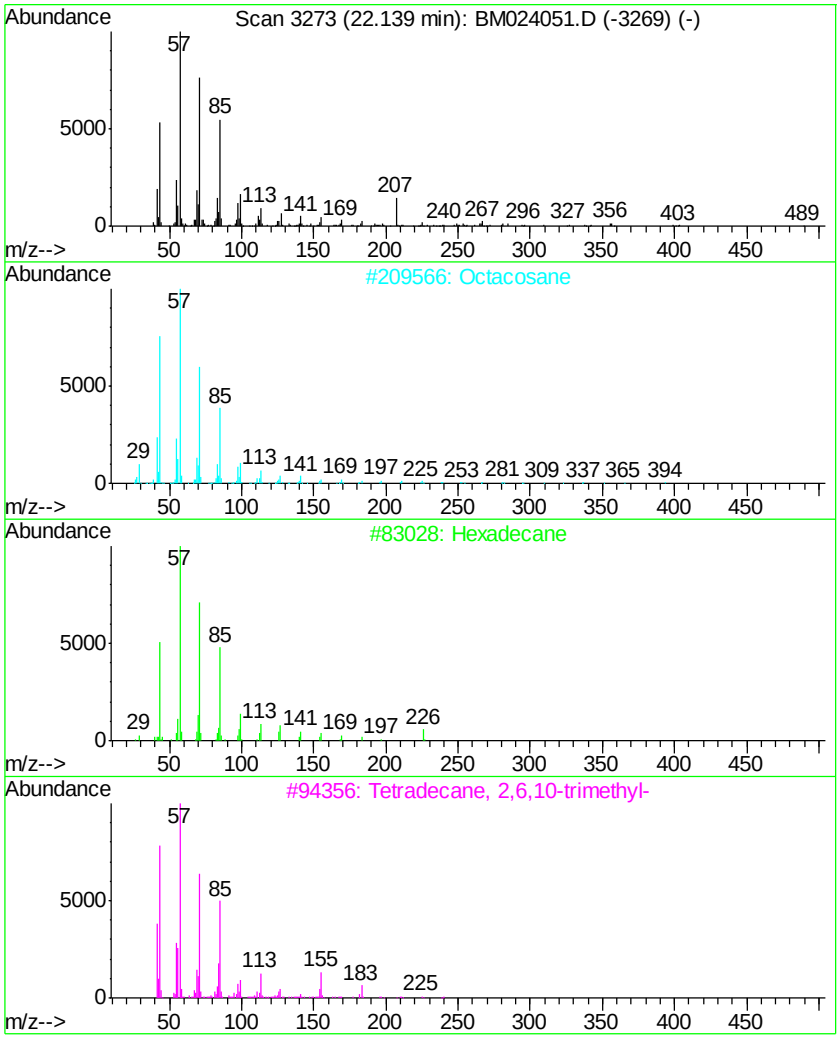
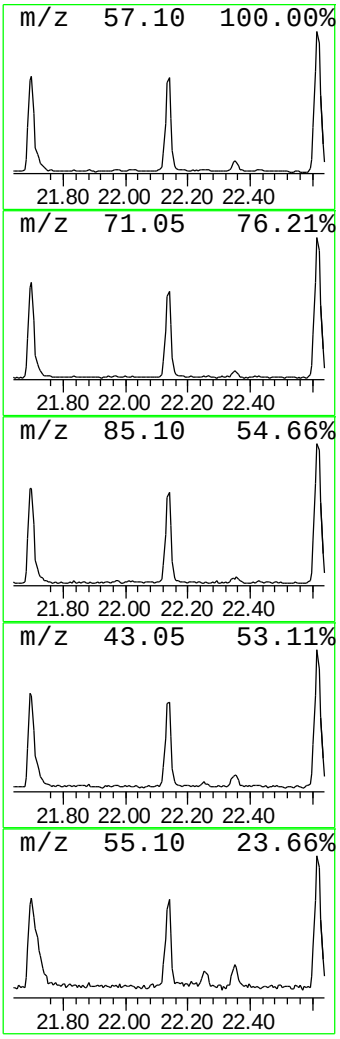
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.14	9.93 ng/ul	409461	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	87
2	Hexadecane	226	C16H34	000544-76-3	87
3	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	87
4	Heptacosane	380	C27H56	000593-49-7	87
5	Triacontane	422	C30H62	000638-68-6	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121219\
Data File : BM024051.D
Acq On : 12 Dec 2019 10:36
Operator : JU
Sample : K6088-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

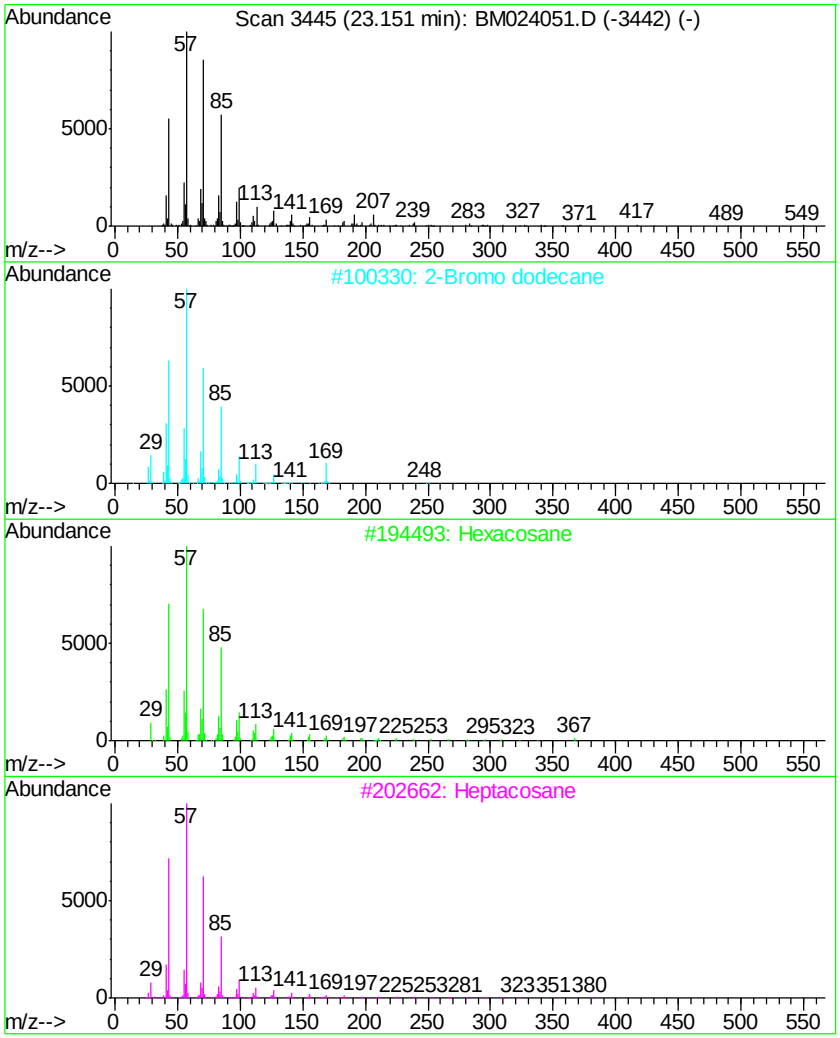
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

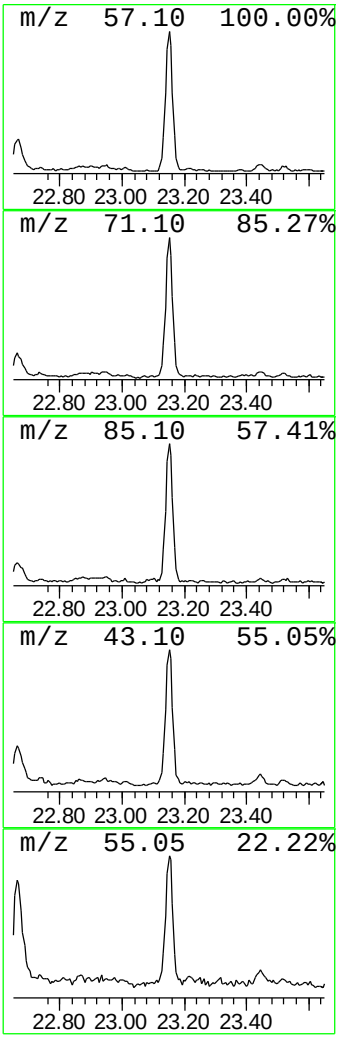
****

Peak Number 28 2-Bromo dodecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.15	20.00 ng/ul	700632	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
2	Hexacosane	366	C26H54	000630-01-3	87
3	Heptacosane	380	C27H56	000593-49-7	87
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	87
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121219\
Data File : BM024051.D
Acq On : 12 Dec 2019 10:36
Operator : JU
Sample : K6088-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

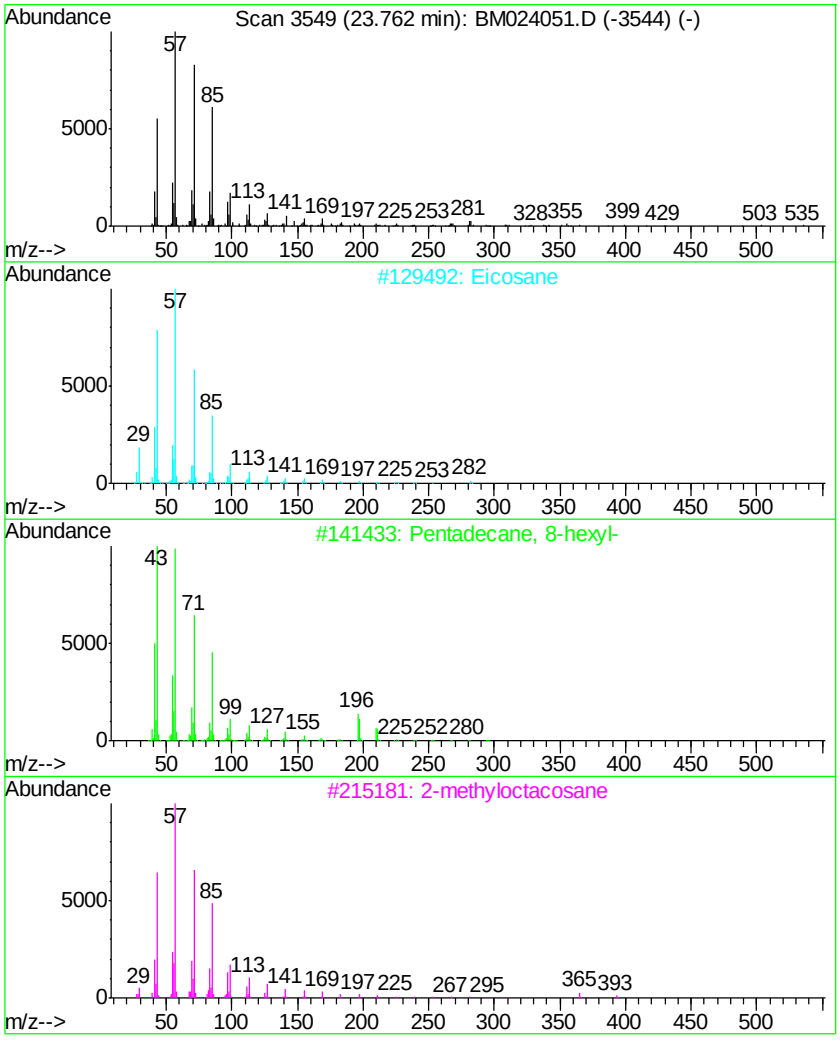
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

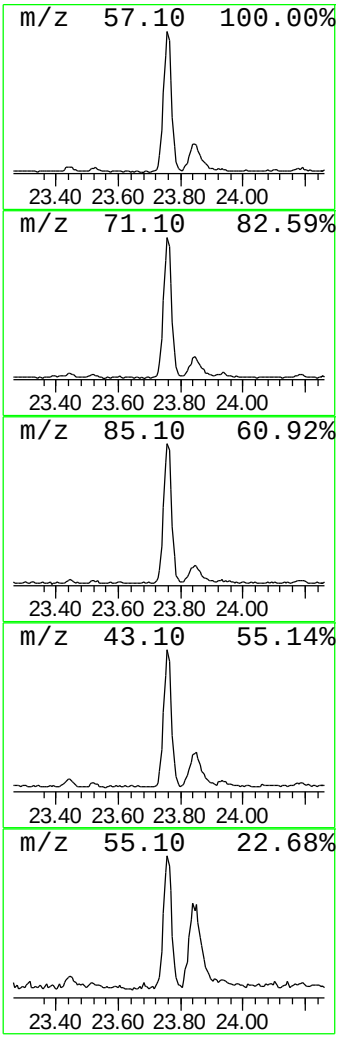
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.76	27.15 ng/ul	951208	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	90
3	2-methyloctacosane	408	C29H60	1000376-72-8	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	Heptadecane	240	C17H36	000629-78-7	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121219\
Data File : BM024051.D
Acq On : 12 Dec 2019 10:36
Operator : JU
Sample : K6088-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BN7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.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
Butane, 2,3-dimet...	3.65	5.2	ng/ul	90564	1	7.48	348518	20.0
unknown-01	4.63	5.7	ng/ul	99017	1	7.48	348518	20.0
(DEL) Alkane: Str...	5.52	2.4	ng/ul	42297	1	7.48	348518	20.0
Camphene	6.91	2.6	ng/ul	45151	1	7.48	348518	20.0
Tetradecane, 1-ch...	7.11	3.7	ng/ul	64254	1	7.48	348518	20.0
(DEL) Alkane: Str...	8.70	4.0	ng/ul	69508	1	7.48	348518	20.0
(DEL) Alkane: Str...	11.70	2.6	ng/ul	73885	2	10.24	567098	20.0
(DEL) Alkane: Str...	12.97	3.1	ng/ul	117344	3	14.13	764502	20.0
2,4,7,9-Tetrameth...	13.05	3.3	ng/ul	125103	3	14.13	764502	20.0
Naphthalene, 1,6-...	13.45	2.2	ng/ul	85668	3	14.13	764502	20.0
(DEL) Alkane: Str...	14.06	2.4	ng/ul	93392	3	14.13	764502	20.0
(DEL) Alkane: Str...	15.02	2.3	ng/ul	88372	3	14.13	764502	20.0
unknown-02	15.54	4.6	ng/ul	195289	4	16.89	857154	20.0
(DEL) Alkane: Str...	15.88	3.0	ng/ul	130082	4	16.89	857154	20.0
(DEL) Alkane: Str...	16.67	2.1	ng/ul	88420	4	16.89	857154	20.0
Anthracene, 9-met...	17.76	2.5	ng/ul	105501	4	16.89	857154	20.0
1H-Cyclopropa[l]p...	17.81	13.2	ng/ul	564434	4	16.89	857154	20.0
Phenanthrene, 1-m...	17.95	2.0	ng/ul	87892	4	16.89	857154	20.0
Cycloisolongifole...	18.09	6.6	ng/ul	281998	4	16.89	857154	20.0
Phenanthrene, 2,5...	18.69	3.6	ng/ul	154471	4	16.89	857154	20.0
(DEL) Alkane: Str...	18.75	3.7	ng/ul	157462	4	16.89	857154	20.0
Octadecanoic acid	19.10	3.6	ng/ul	148936	5	21.10	824698	20.0
(DEL) Alkane: Str...	19.87	2.4	ng/ul	96979	5	21.10	824698	20.0
(DEL) Alkane: Cyc...	20.83	37.4	ng/ul	1540520	5	21.10	824698	20.0
(DEL) Alkane: Str...	21.27	5.6	ng/ul	229637	5	21.10	824698	20.0
(DEL) Alkane: Str...	21.70	17.1	ng/ul	704187	5	21.10	824698	20.0
(DEL) Alkane: Str...	22.14	9.9	ng/ul	409461	5	21.10	824698	20.0
2-Bromo dodecane	23.15	20.0	ng/ul	700632	6	23.23	700632	20.0
(DEL) Alkane: Str...	23.76	27.1	ng/ul	951208	6	23.23	700632	20.0