LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\
Data File : BM023848.D
Acq On : 22 Nov 2019 03:08
Operator : JU
Sample : K5809-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPW2

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	2.969	10	14	23	rVB	539924	567270	10.56%	1.237%
2	3.269	61	65	67	rBV2	107881	123156	2.29%	0.268%
3	3.299	67	70	74	rVB2	128893	155005	2.89%	0.338%
4	3.616	117	124	129	rBV2	52538	87073	1.62%	0.190%
5	3.669	129	133	141	rVV3	54985	85870	1.60%	0.187%
6	3.763	143	149	154	rVB2	58545	94230	1.75%	0.205%
7	3.869	160	167	173	rVB	92188	126441	2.35%	0.276%
8	4.204	218	224	228	rBV	38259	63492	1.18%	0.138%
9	4.293	235	239	246	rVB2	49436	89913	1.67%	0.196%
10	4.393	249	256	261	rBV	46316	68314	1.27%	0.149%
11	4.499	268	274	277	rBV	53407	74173	1.38%	0.162%
12	4.587	285	289	295	rVB	165265	212798	3.96%	0.464%
13	4.998	352	359	362	rBV4	42455	87258	1.62%	0.190%
14	5.334	409	416	423	rVB3	32612	70050	1.30%	0.153%
15	5.534	445	450	458	rVB3	48549	95010	1.77%	0.207%
16	5.804	488	496	502	rBV4	58571	147848	2.75%	0.322%
17	6.016	525	532	539	rVB4	41310	80655	1.50%	0.176%
18	6.093	539	545	549	rBV6	27416	75817	1.41%	0.165%
19	6.198	560	563	568	rVB2	74877	109329	2.04%	0.238%
20	6.528	615	619	626	rVB2	126366	190113	3.54%	0.414%
21	6.616	630	634	637	rBV2	51957	76492	1.42%	0.167%
22	6.657	637	641	653	rVB5	102446	235054	4.38%	0.512%
23	6.751	653	657	663	rBV4	49840	87213	1.62%	0.190%
24	6.904	679	683	687	rVB3	88463	127018	2.36%	0.277%
25	7.022	694	703	707	rBV4	69505	181523	3.38%	0.396%
26	7.081	709	713	724	rVB6	88501	261572	4.87%	0.570%
27	7.169	724	728	736	rBV4	83107	158642	2.95%	0.346%
28	7.245	736	741	745	rVB4	51541	87183	1.62%	0.190%
29	7.334	751	756	765	rVB6	81026	178560	3.32%	0.389%
30	7.445	765	775	778	rBV5	100724	257152	4.79%	0.561%
31	7.510	778	786	795	rVB	1545076	2479234	46.15%	5.405%
32	7.587	795	799	803	rBV6	43221	70367	1.31%	0.153%
33	7.651	803	810	814	rBV6	98308	242055	4.51%	0.528%
34	7.751	823	827	831	rBV2	243867	375121	6.98%	0.818%

LSC Area Percent Report

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Operator : JU
Sample : K5809-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPW2

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	7.963	859	863	867	rVB5	49220	64794	1.21%	0.141%
36	8.004	867	870	874	rBV5	48169	79144	1.47%	0.173%
37	8.063	874	880	892	rVB2	352549	712342	13.26%	1.553%
38	8.198	898	903	908	rBV	145910	253275	4.71%	0.552%
39	8.334	919	926	930	rBV2	190226	310879	5.79%	0.678%
40	8.398	930	937	940	rBV4	183778	378085	7.04%	0.824%
41	8.486	949	952	960	rVB7	53308	124588	2.32%	0.272%
42	8.610	961	973	982	rBV7	157192	591757	11.01%	1.290%
43	8.704	985	989	994	rBV7	62715	145055	2.70%	0.316%
44	8.863	1006	1016	1022	rBV7	208533	563647	10.49%	1.229%
45	8.922	1022	1026	1028	rBV4	47689	69915	1.30%	0.152%
46	8.969	1029	1034	1040	rVV5	70445	190653	3.55%	0.416%
47	9.039	1041	1046	1051	rVV6	80428	186588	3.47%	0.407%
48	9.098	1052	1056	1060	rVV3	83923	173612	3.23%	0.378%
49	9.163	1062	1067	1071	rVV3	175378	325069	6.05%	0.709%
50	9.216	1071	1076	1084	rVB2	320231	563761	10.49%	1.229%
51	9.345	1094	1098	1099	rBV2	53568	66909	1.25%	0.146%
52	9.375	1099	1103	1106	rVV	93606	141695	2.64%	0.309%
53	9.475	1115	1120	1129	rBV3	421148	820105	15.27%	1.788%
54	9.581	1135	1138	1142	rBV4	62821	90737	1.69%	0.198%
55	9.722	1159	1162	1165	rBV	76607	81318	1.51%	0.177%
56	9.798	1171	1175	1185	rVB2	126234	215103	4.00%	0.469%
57	9.898	1187	1192	1202	rVB7	133832	305092	5.68%	0.665%
58	10.039	1213	1216	1220	rBV4	118290	177655	3.31%	0.387%
59	10.163	1233	1237	1241	rBV4	128282	204967	3.82%	0.447%
60	10.286	1248	1258	1266	rBV	1954665	3751837	69.84%	8.179%
61	10.475	1286	1290	1295	rBV2	222498	369478	6.88%	0.805%
62	10.704	1325	1329	1333	rVB3	156000	234146	4.36%	0.510%
63	10.792	1339	1344	1348	rBV	263414	405493	7.55%	0.884%
64	10.975	1372	1375	1384	rVB5	291796	548181	10.20%	1.195%
65	11.057	1384	1389	1390	rBV4	103886	159559	2.97%	0.348%
66	11.122	1397	1400	1406	rBV6	95701	212589	3.96%	0.463%
67	11.339	1432	1437	1442	rBV3	448296	878527	16.35%	1.915%
68	11.480	1458	1461	1465	rVB	158329	227733	4.24%	0.496%
69	11.592	1476	1480	1489	rVB4	274311	543620	10.12%	1.185%
70	12.045	1552	1557	1560	rBV3	250780	423448	7.88%	0.923%
71	12.239	1587	1590	1598	rVB4	254583	432530	8.05%	0.943%

LSC Area Percent Report

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Sample : K5809-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPW2

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	12.598	1646	1651	1657	rBV2	370211	602408	11.21%	1.313%
73	12.722	1668	1672	1675	rBV	478161	611755	11.39%	1.334%
74	12.763	1676	1679	1683	rVB3	231134	317515	5.91%	0.692%
75	12.951	1707	1711	1714	rBV2	351635	565267	10.52%	1.232%
76	13.592	1816	1820	1826	rBV	1319411	1959748	36.48%	4.272%
77	13.680	1831	1835	1839	rBV2	638503	988711	18.40%	2.155%
78	14.010	1887	1891	1895	rVB	1129650	1512095	28.15%	3.296%
79	14.174	1910	1919	1930	rBV2	2802486	5372323	100.00%	11.712%
80	14.727	2010	2013	2018	rVB4	589789	799708	14.89%	1.743%
81	14.974	2051	2055	2061	rBV2	1161986	1628114	30.31%	3.549%
82	15.951	2218	2221	2226	rVB	1958854	2599323	48.38%	5.667%
83	16.774	2358	2361	2366	rBV	2113375	2806175	52.23%	6.118%
84	16.933	2384	2388	2392	rBV	2534221	3662661	68.18%	7.985%

Sum of corrected areas: 45870690

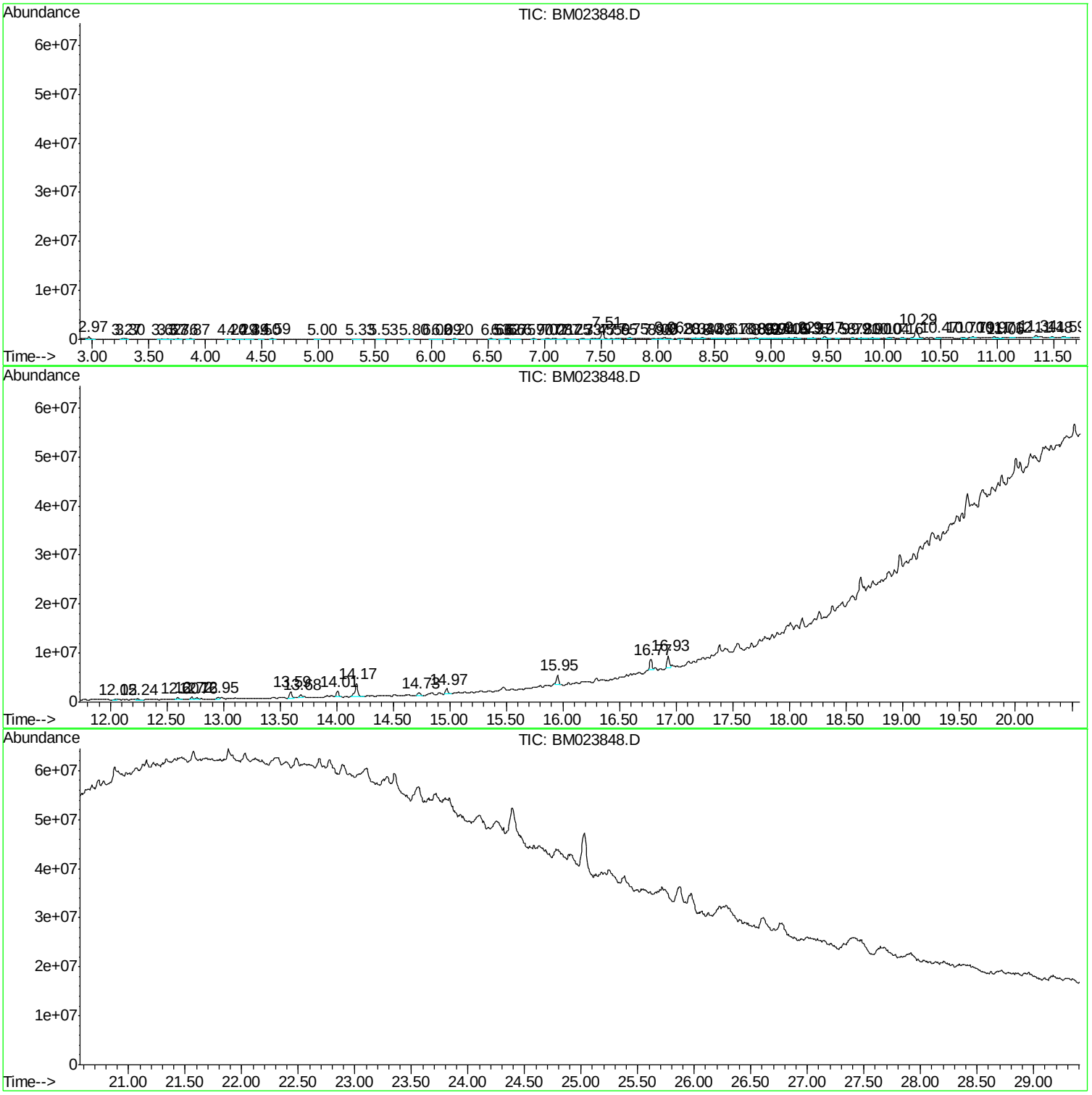
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\
Data File : BM023848.D
Acq On : 22 Nov 2019 03:08
Operator : JU
Sample : K5809-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFPW2

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\BM112119\
Data File : BM023848.D
Acq On : 22 Nov 2019 03:08
Operator : JU
Sample : K5809-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPW2

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

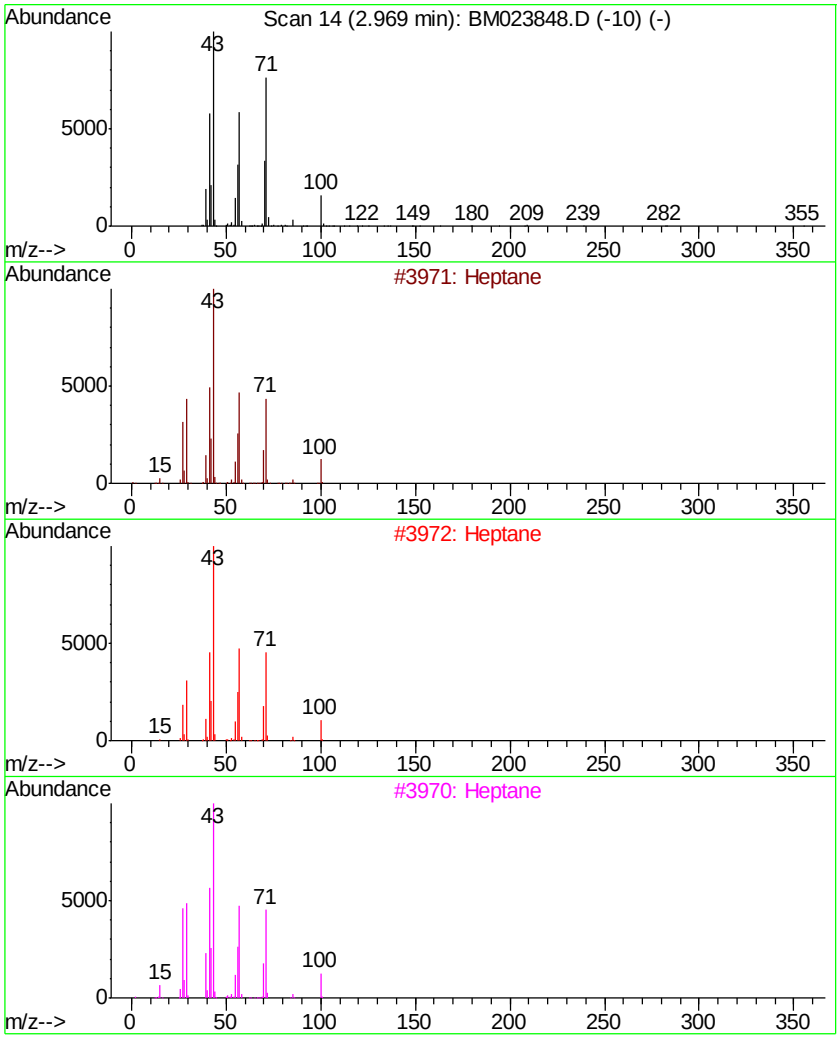
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

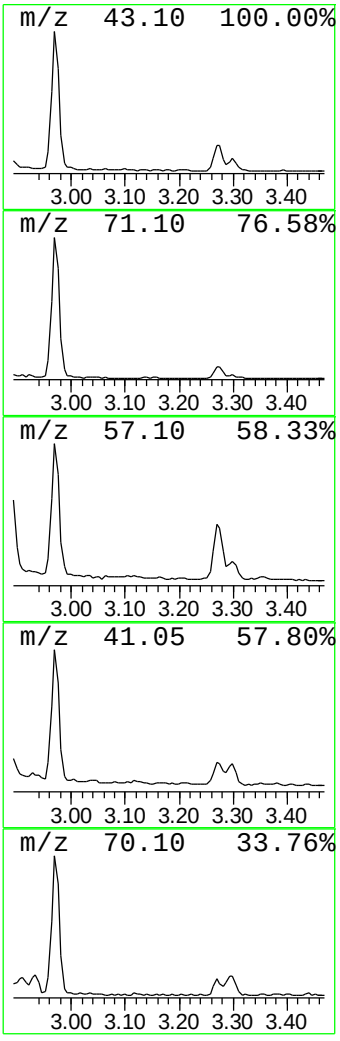
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.97	4.58 ng/ul	567270	1,4-Dichlorobenzene-d4	7.51

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	91
4	Heptane	100	C7H16	000142-82-5	90
5	1,1-Dimethylpropyl 2-ethylhexanoate	214	C13H26O2	1000099-99-2	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\
Data File : BM023848.D
Acq On : 22 Nov 2019 03:08
Operator : JU
Sample : K5809-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPW2

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

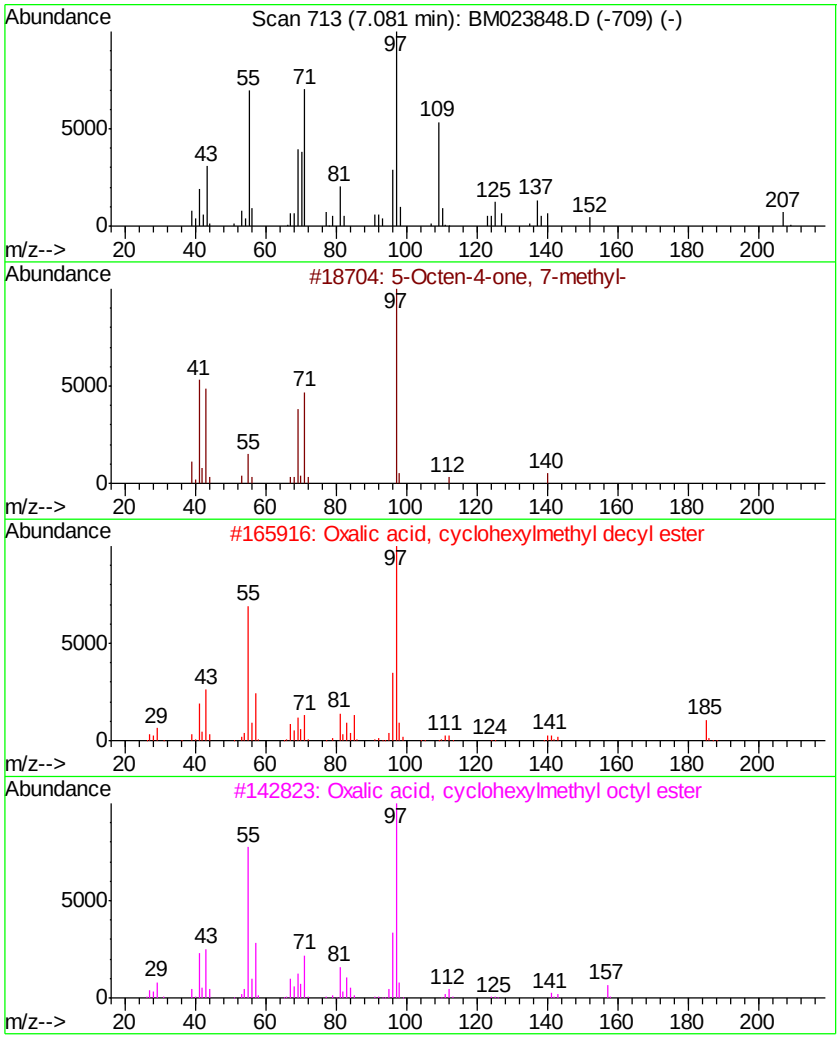
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

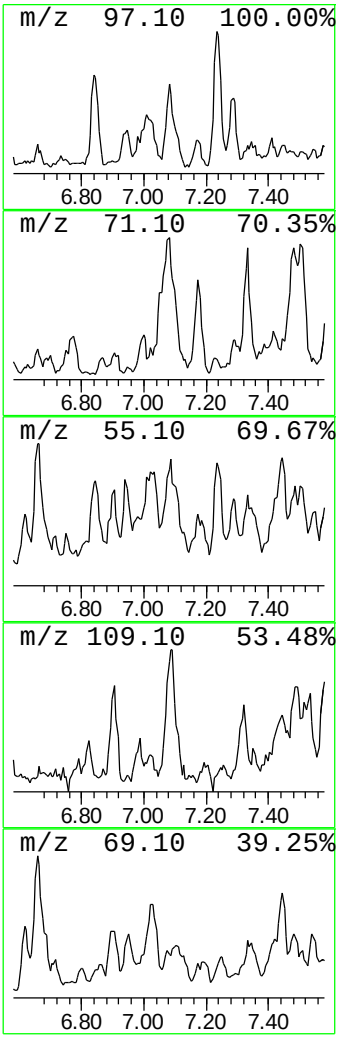
****

Peak Number 2 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	2.11 ng/ul	261572	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Octen-4-one, 7-methyl-	140	C9H16O	032064-78-1	38
2	Oxalic acid, cyclohexylmethyl de...	326	C19H34O4	1000309-68-7	35
3	Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	35
4	Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	30
5	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	27





Library Search Compound Report

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Misc :
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Instrument : BNA_M
ClientSampleId : BFPW2

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

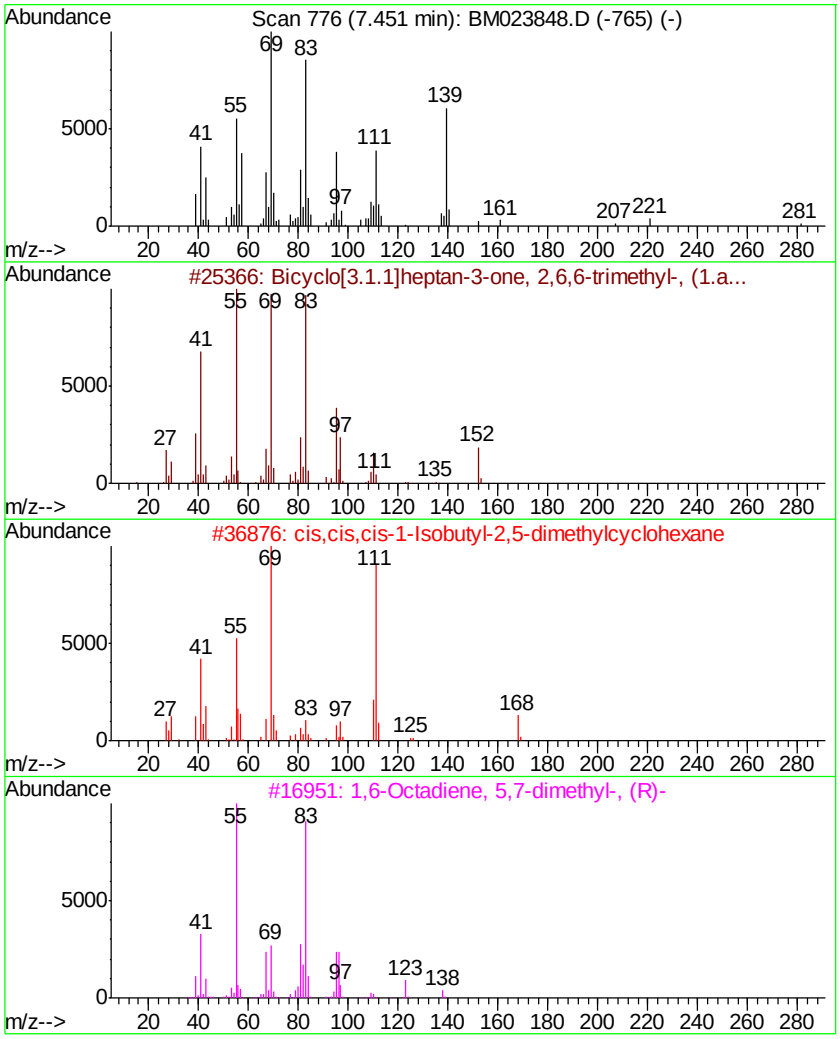
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

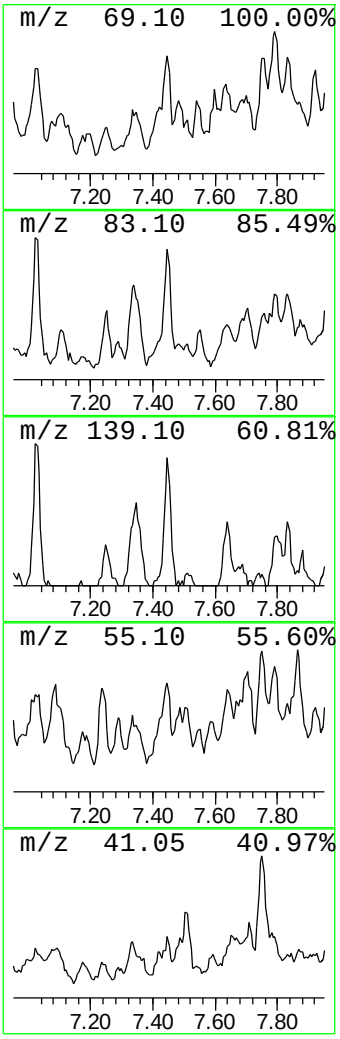
****

Peak Number 3 Bicyclo[3.1.1]heptan-3-one,... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	2.07 ng/ul	257152	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	64
2	cis,cis,cis-1-Isobutyl-2,5-dimet...	168	C12H24	1000113-60-0	27
3	1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	25
4	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	25
5	3-Ethyl-4-octene	140	C10H20	019781-32-9	25





Library Search Compound Report

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Data File : BM023848.D
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPW2

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

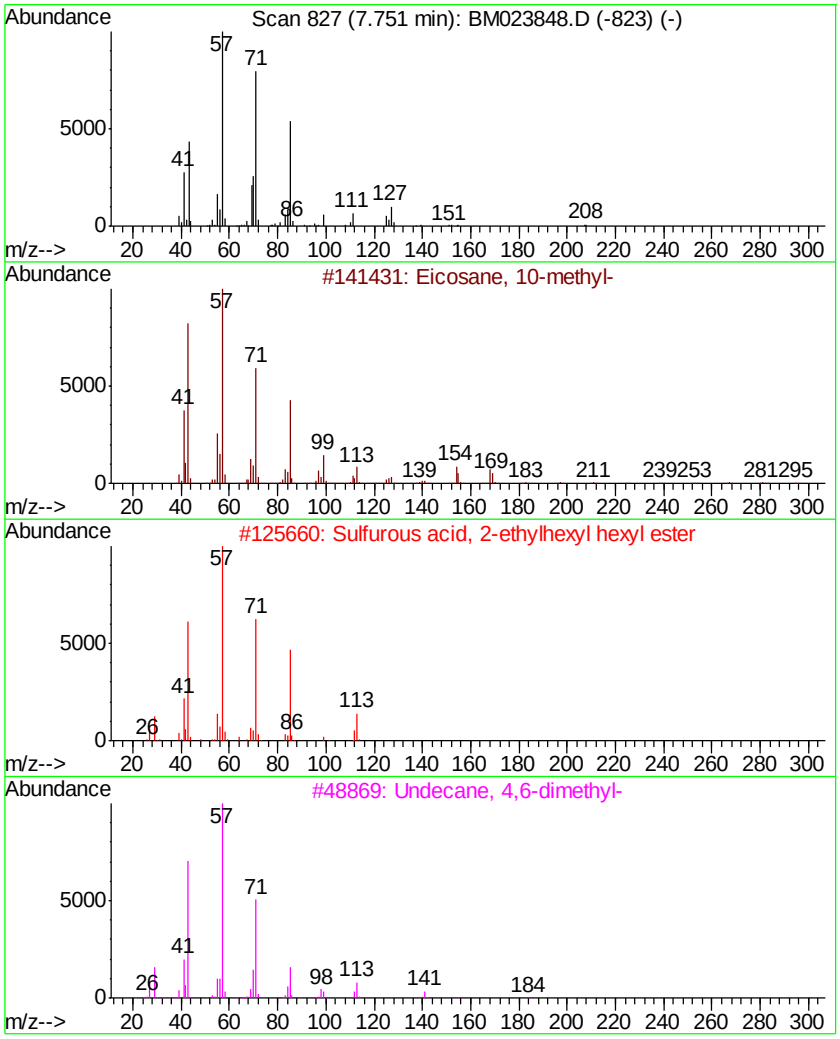
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

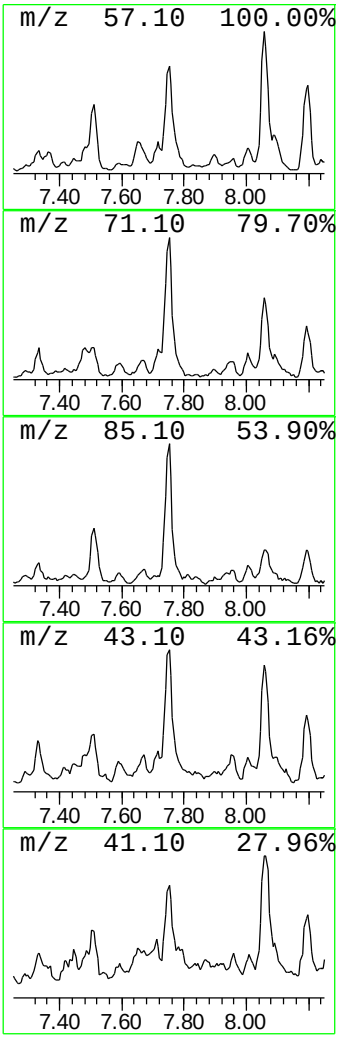
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	3.03 ng/ul	375121	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	64
2	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	59
3	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	59
4	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	59
5	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\
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Acq On : 22 Nov 2019 03:08
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPW2

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

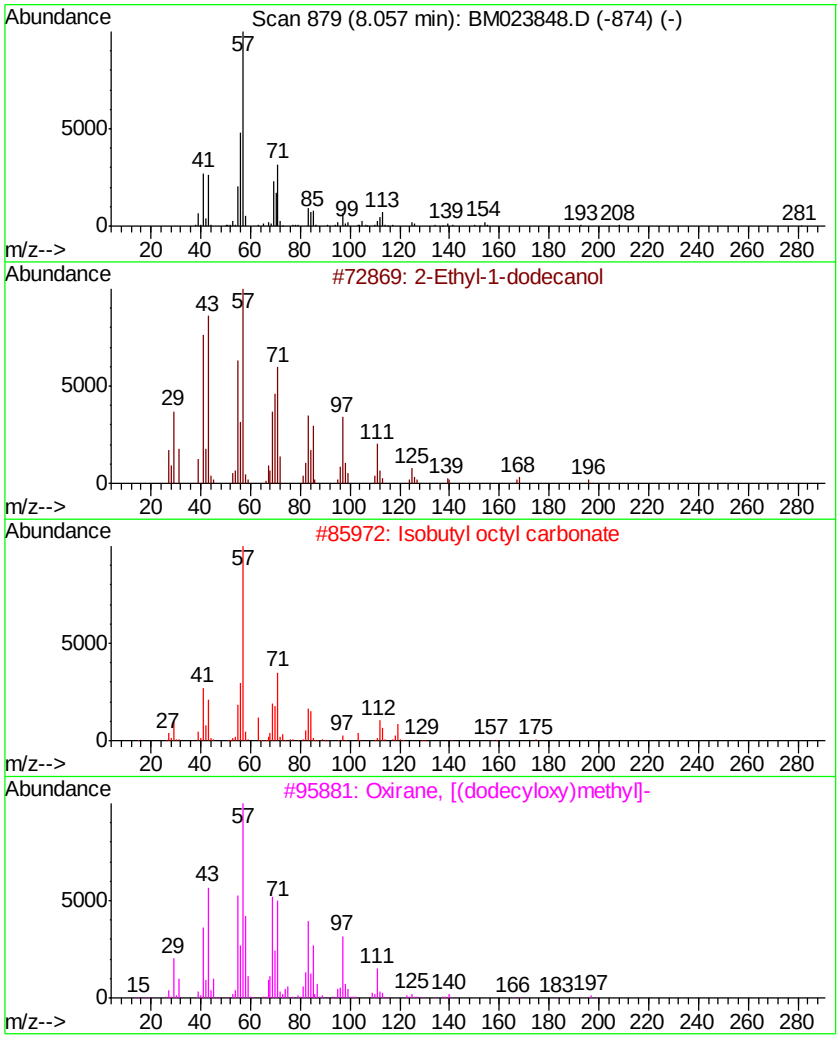
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

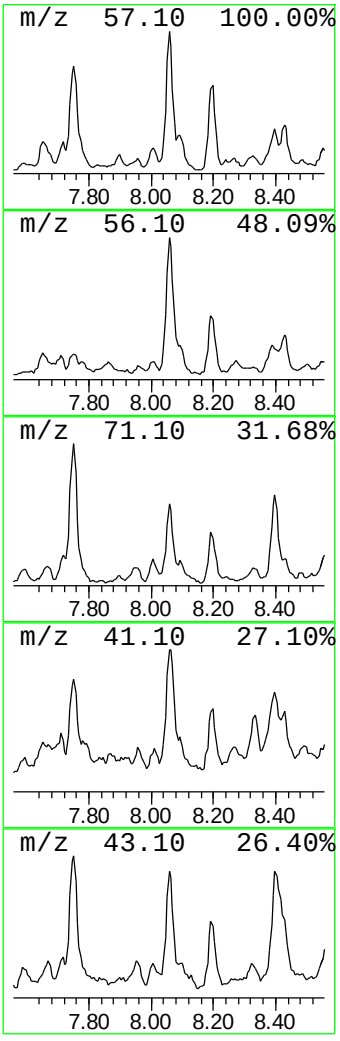
****

Peak Number 5 2-Ethyl-1-dodecanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	5.75 ng/ul	712342	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-1-dodecanol	214	C14H30O	019780-33-7	53
2	Isobutyl octyl carbonate	230	C13H26O3	1000372-74-6	53
3	Oxirane, [(dodecyloxy)methyl]-	242	C15H30O2	002461-18-9	50
4	Cyclopentane, 3-hexyl-1,1-dimethyl-	182	C13H26	061142-65-2	50
5	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	43





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Instrument : BNA_M
ClientSampleId : BFPW2

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

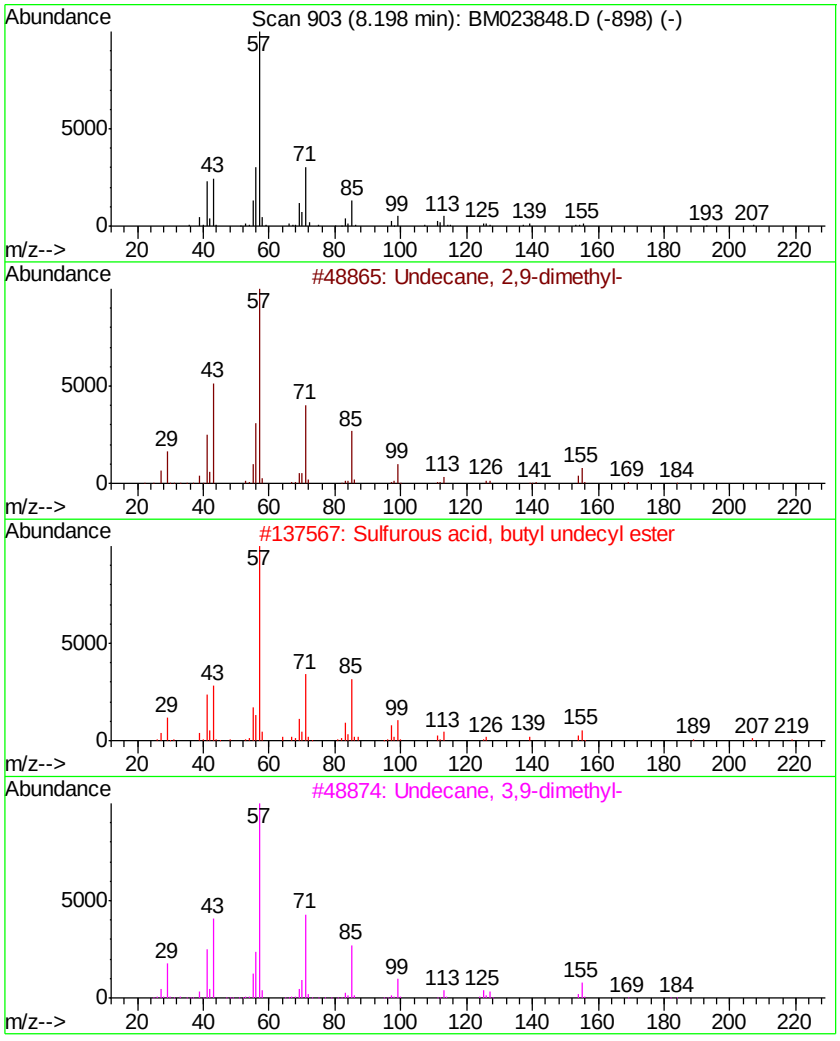
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

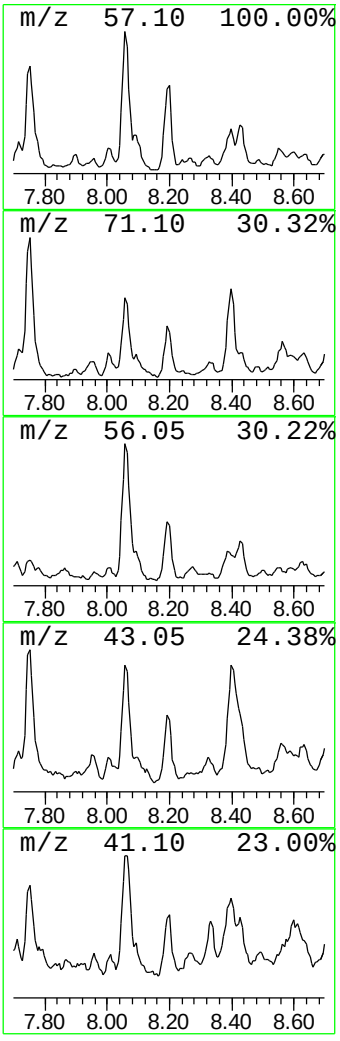
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	2.04 ng/ul	253275	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	72
2	Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	64
3	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	59
4	Tridecane, 3-methyl-	198	C14H30	006418-41-3	59
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53





Library Search Compound Report

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Acq On : 22 Nov 2019 03:08
Operator : JU
Sample : K5809-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPW2

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Quant Title : SVOA CALIBRATION

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

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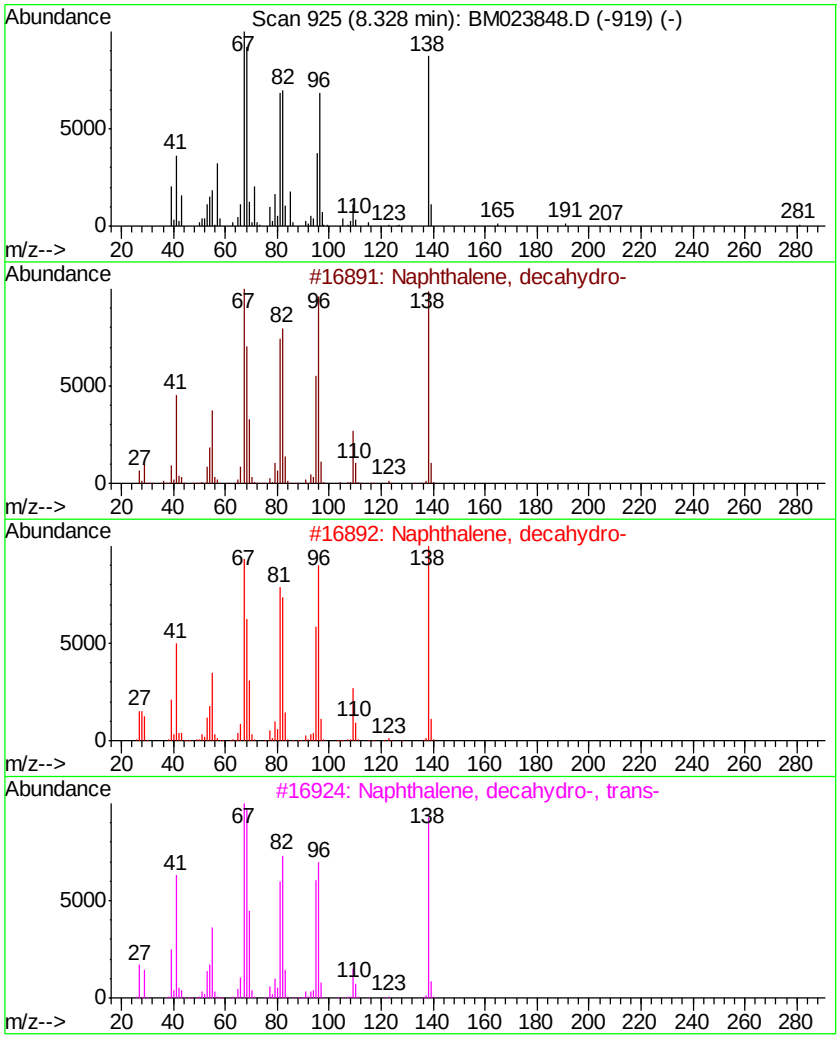
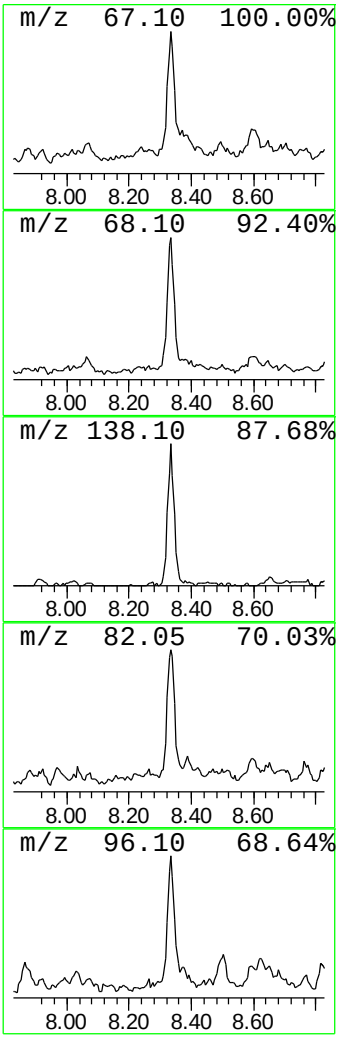
Peak Number 7 Naphthalene, decahydro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	2.51 ng/ul	310879	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	87
3	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	83
4	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	83
5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	80





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ClientSampleId : BFPW2

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Quant Title : SVOA CALIBRATION

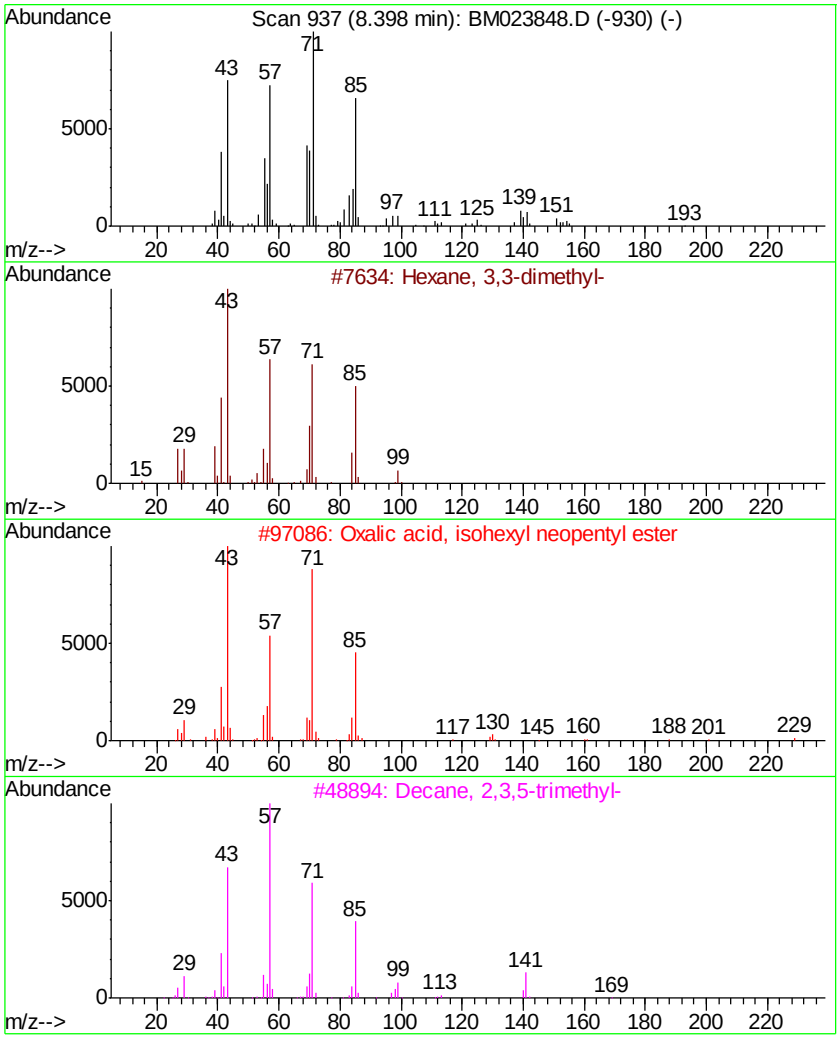
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

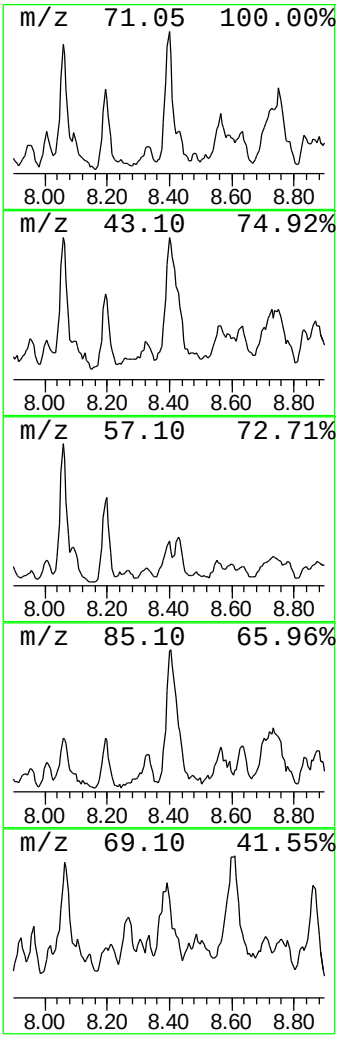
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	3.05 ng/ul	378085	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	72
2	Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	59
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	53
4	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	47
5	Undecane, 3,3-dimethyl-	184	C13H28	017312-65-1	47





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ClientSampleId : BFPW2

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Quant Title : SVOA CALIBRATION

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

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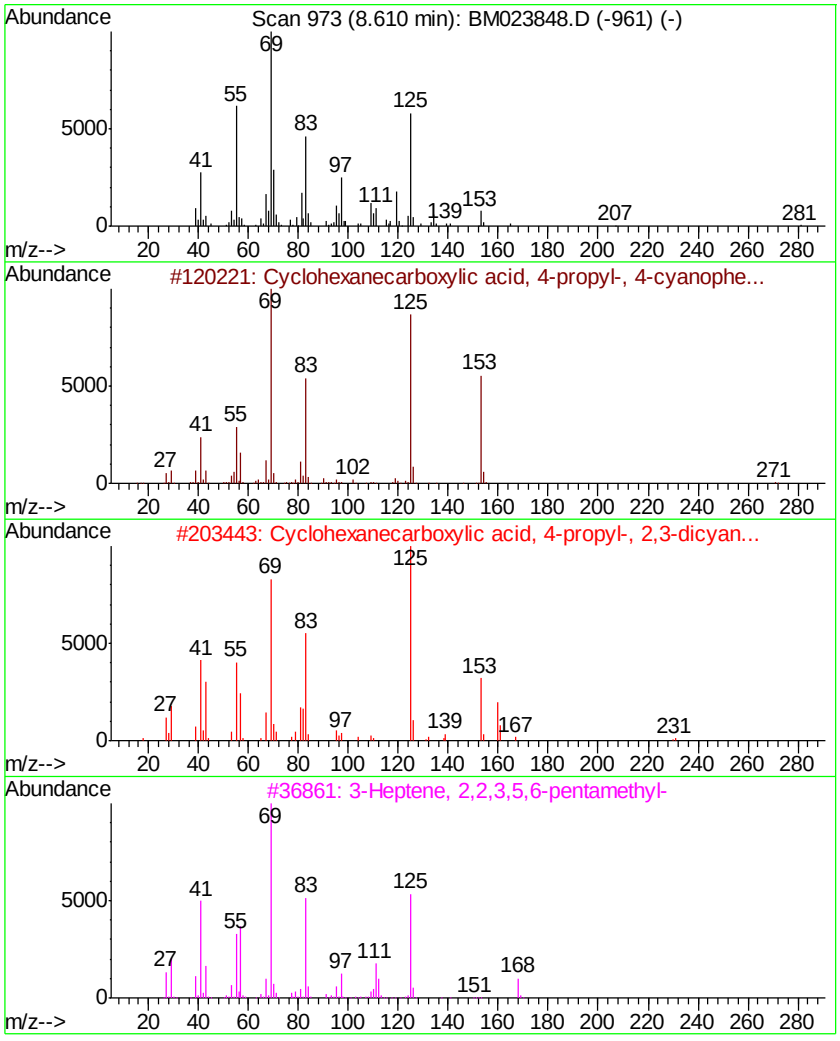
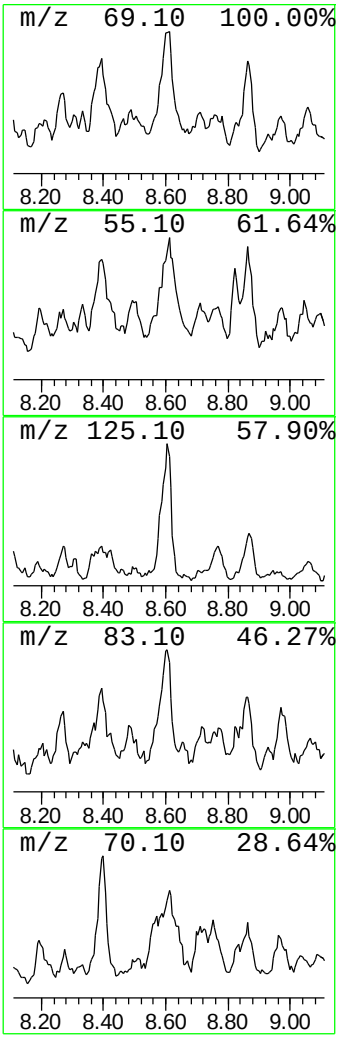
Peak Number 9 Cyclohexanecarboxylic acid,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	4.77 ng/ul	591757	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanecarboxylic acid, 4-pr...	271	C17H21NO2	062439-33-2	53
2	Cyclohexanecarboxylic acid, 4-pr...	382	C23H30N2O3	075941-50-3	53
3	3-Heptene, 2,2,3,5,6-pentamethyl-	168	C12H24	116164-06-8	45
4	2,6-Octadien-1-ol, 3,7-dimethyl-	154	C10H18O	000624-15-7	30
5	2-Methylthiolane, S,S-dioxide	134	C5H10O2S	001003-46-9	30





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Instrument : BNA_M
ClientSampleId : BFPW2

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Quant Title : SVOA CALIBRATION

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

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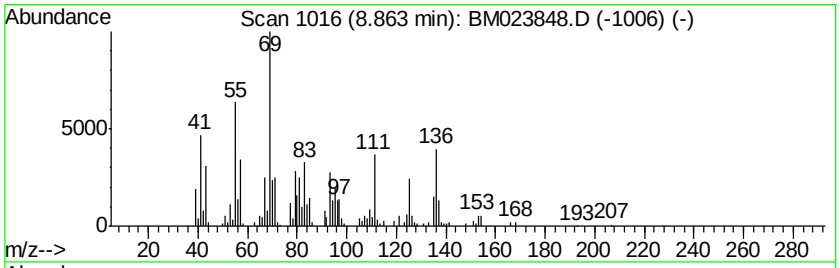
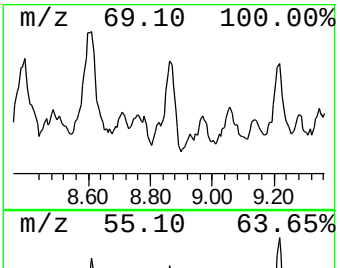
Peak Number 10 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	4.55 ng/ul	563647	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disparlure	282	C19H38O	029804-22-6	46
2	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	45
3	Octane, 1,8-dibromo-	270	C8H16Br2	004549-32-0	38
4	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	35
5	Cyclooctane, butyl-	168	C12H24	016538-93-5	35





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Operator : JU
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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPW2

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Quant Title : SVOA CALIBRATION

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

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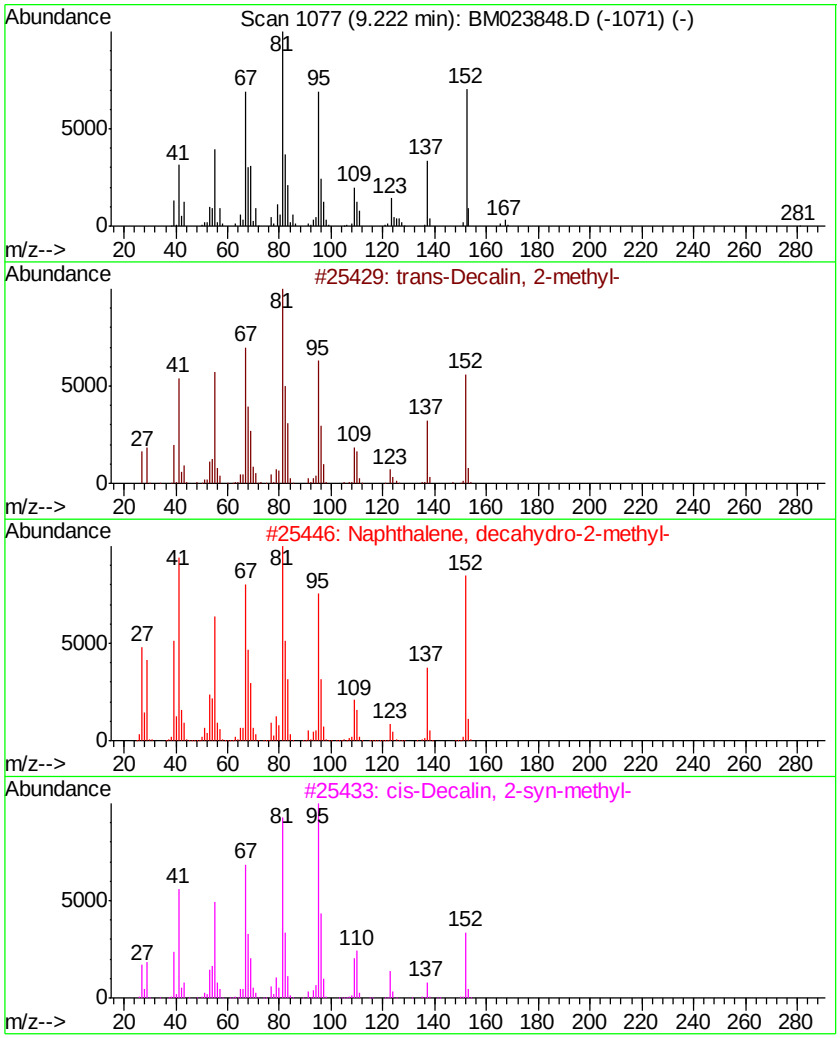
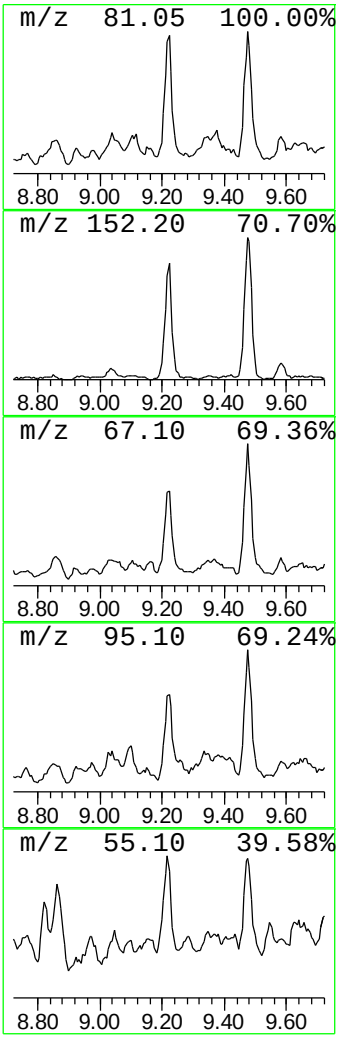
Peak Number 11 trans-Decalin, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	3.01 ng/ul	563761	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	93
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	80
4	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	70
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	68





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Acq On : 22 Nov 2019 03:08
Operator : JU
Sample : K5809-21
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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPW2

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Quant Title : SVOA CALIBRATION

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

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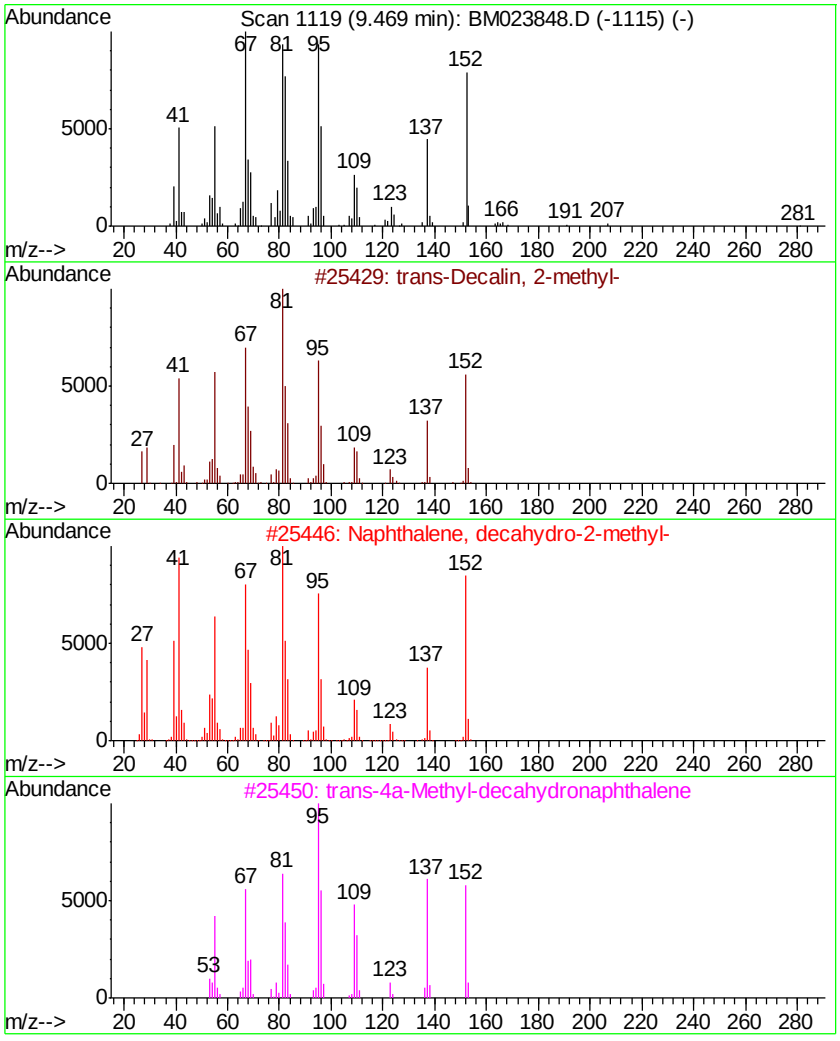
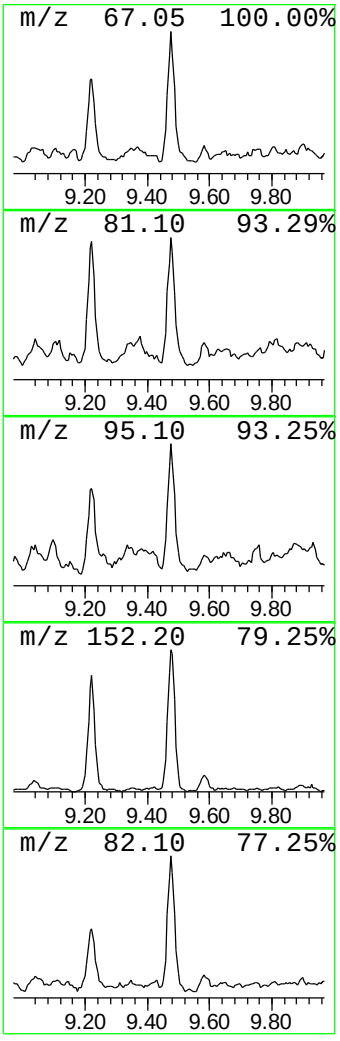
Peak Number 12 Naphthalene, decahydro-2-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	4.37 ng/ul	820105	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	90
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
3	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	89
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	68





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Instrument : BNA_M
ClientSampleId : BFPW2

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Quant Title : SVOA CALIBRATION

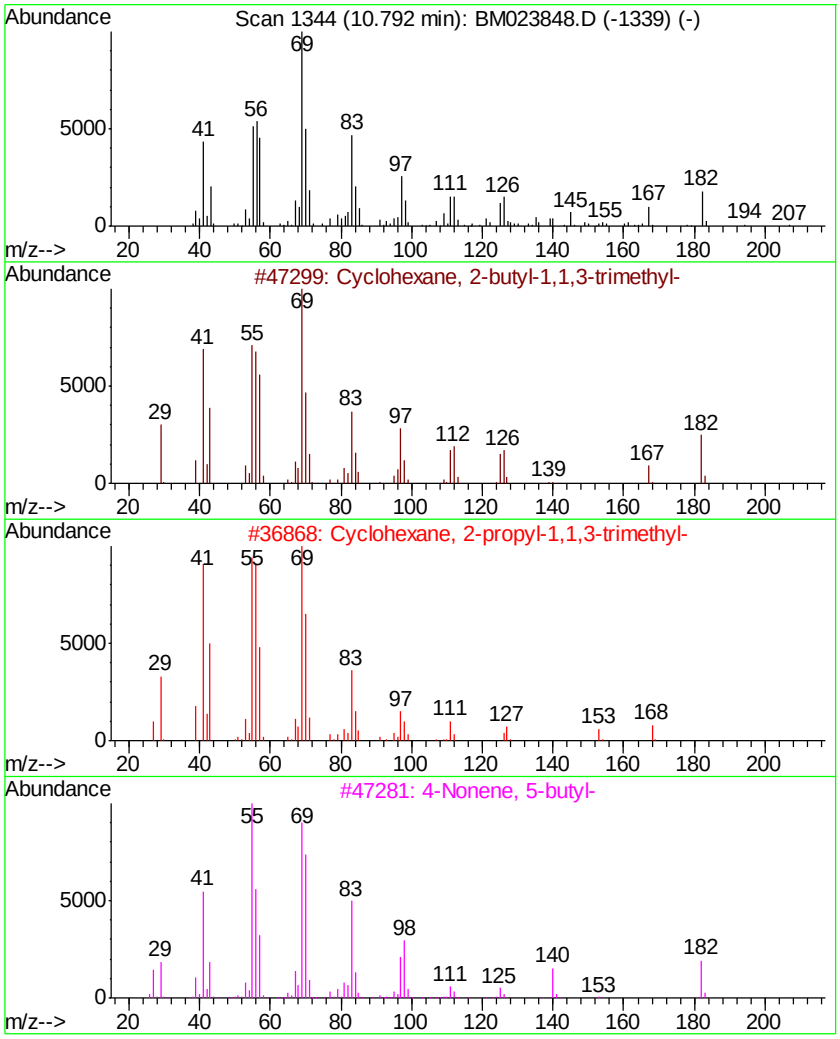
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

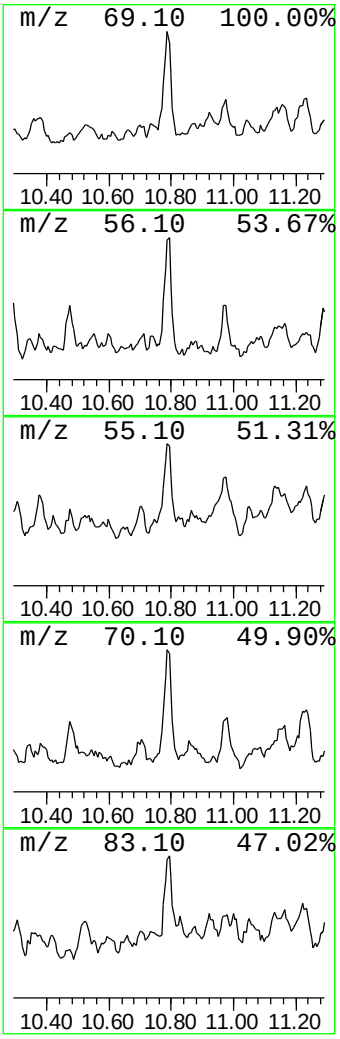
****

Peak Number 13 (DEL) Alkane: Cyclic10.79 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	2.16 ng/ul	405493	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	90
2	Cyclohexane, 2-propyl-1,1,3-trim...	168	C12H24	081983-70-2	81
3	4-Nonene, 5-butyl-	182	C13H26	007367-38-6	58
4	6-Tridecene, (E)-	182	C13H26	006434-76-0	55
5	Cyclopentane, propyl-	112	C8H16	002040-96-2	52





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPW2

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Quant Title : SVOA CALIBRATION

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

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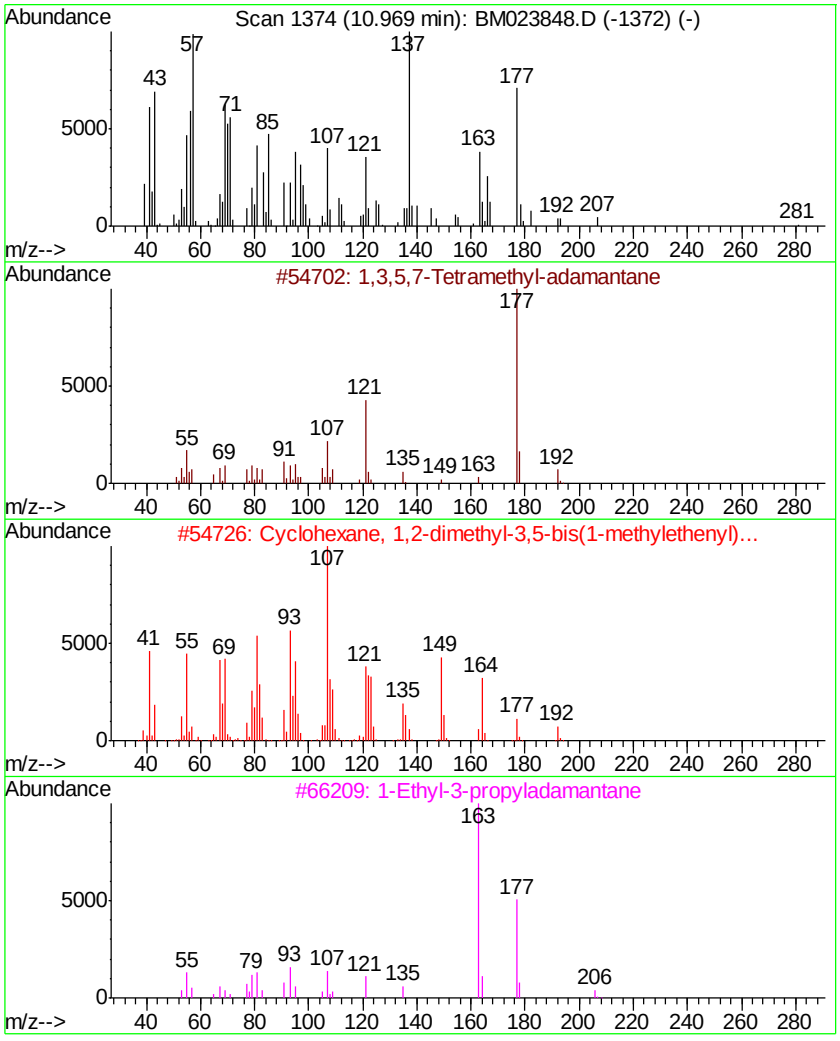
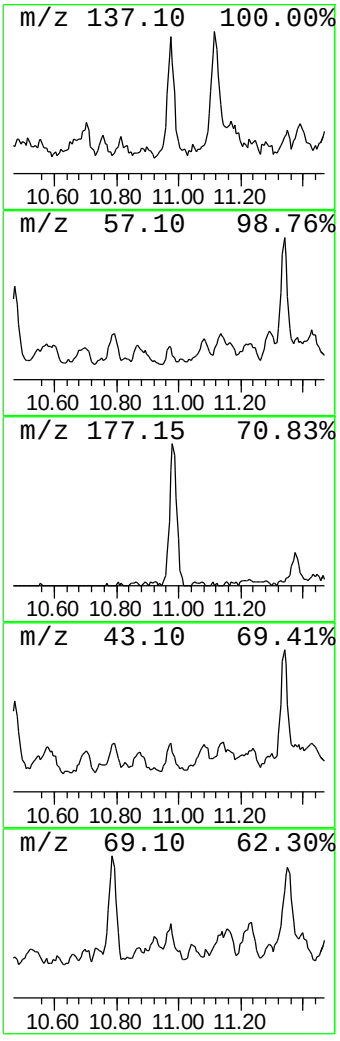
Peak Number 14 unknown-03 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	2.92 ng/ul	548181	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5,7-Tetramethyl-adamantane	192	C14H24	001687-36-1	35
2	Cyclohexane, 1,2-dimethyl-3,5-bi...	192	C14H24	074806-55-6	14
3	1-Ethyl-3-propyladamantane	206	C15H26	019385-94-5	12
4	Bicyclo[2.2.1]heptane, 2-ethylid...	164	C12H20	062413-60-9	11
5	1,3,3-Trimethyl-2-(2-methyl-cycl...	178	C13H22	285129-06-8	11





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Quant Title : SVOA CALIBRATION

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

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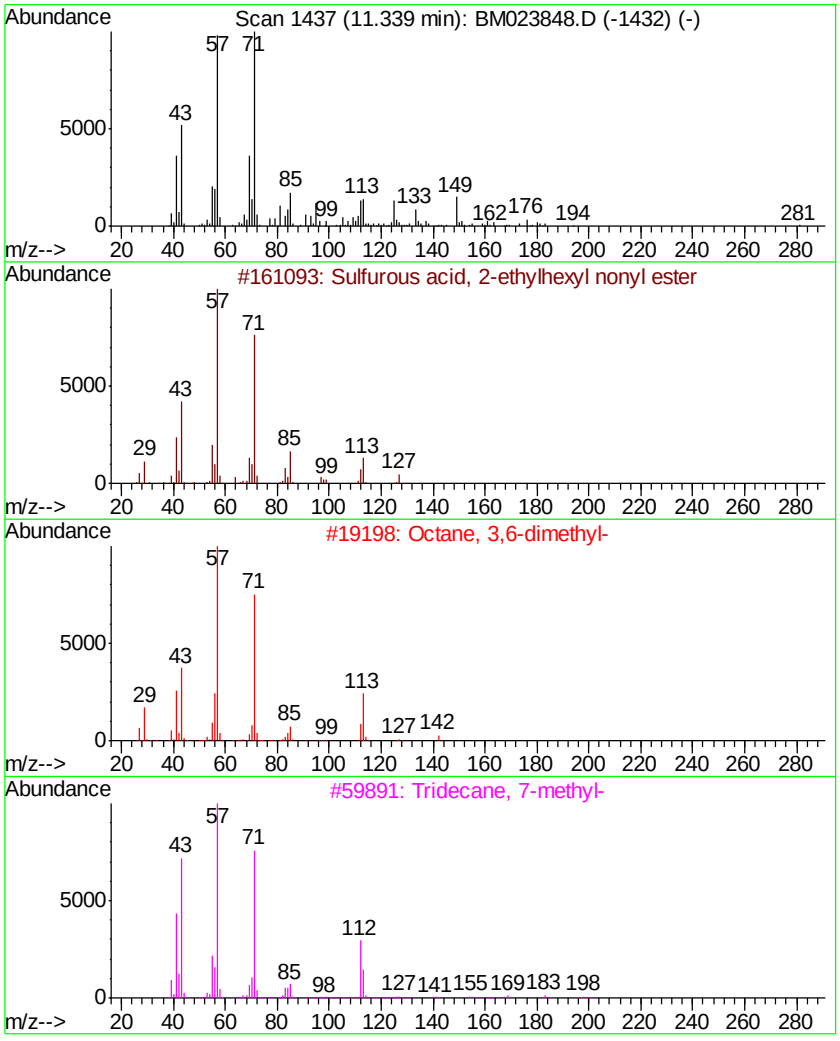
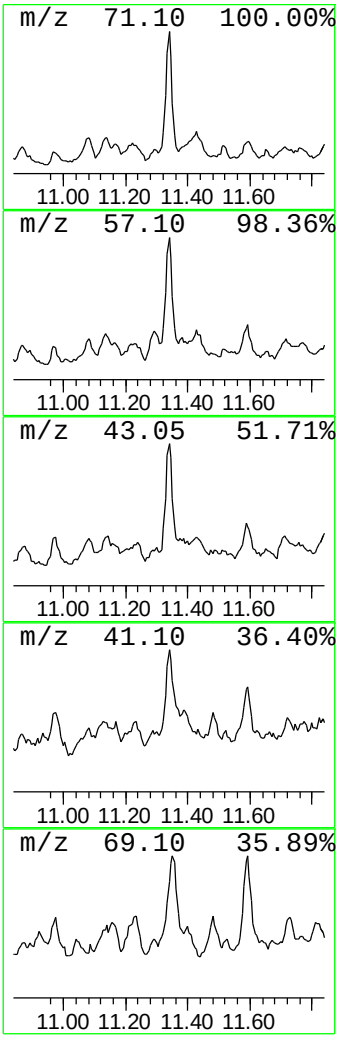
Peak Number 15 Sulfurous acid, 2-ethylhexy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	4.68 ng/ul	878527	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	64
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
3	Tridecane, 7-methyl-	198	C14H30	026730-14-3	53
4	Octane, 2-bromo-	192	C8H17Br	000557-35-7	53
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	50





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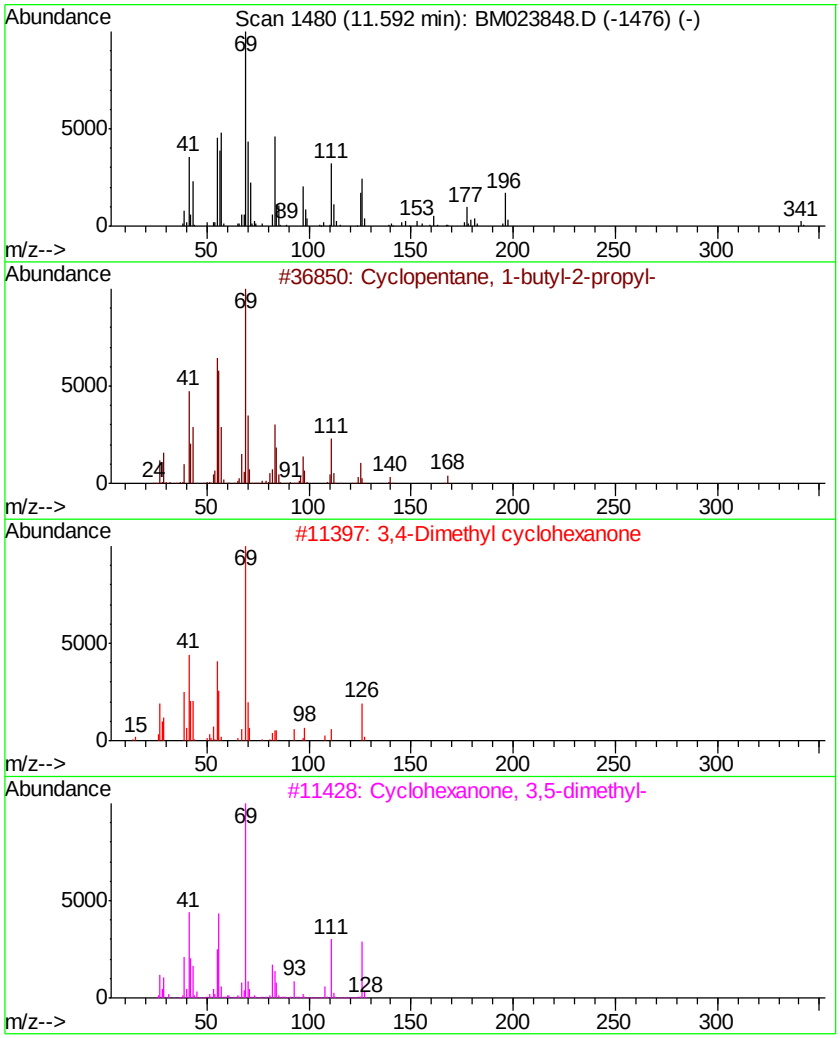
Quant Title : SVOA CALIBRATION

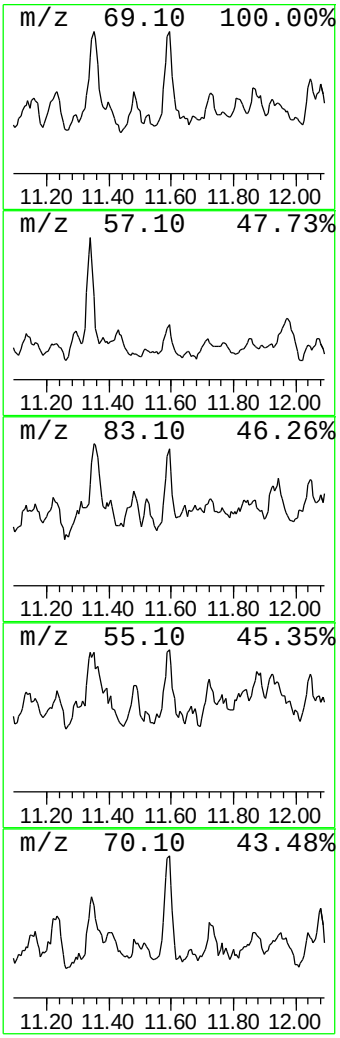
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic11.59 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	2.90 ng/ul	543620	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-butyl-2-propyl-	168	C12H24	062199-50-2	72
2	3,4-Dimethyl cyclohexanone	126	C8H14O	005465-09-8	49
3	Cyclohexanone, 3,5-dimethyl-	126	C8H14O	002320-30-1	47
4	Cyclohexanone, 3,5-dimethyl-	126	C8H14O	002320-30-1	47
5	trans-3,5-Dimethylcyclohexanone	126	C8H14O	007214-49-5	47





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Instrument : BNA_M
ClientSampleId : BFPW2

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Quant Title : SVOA CALIBRATION

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

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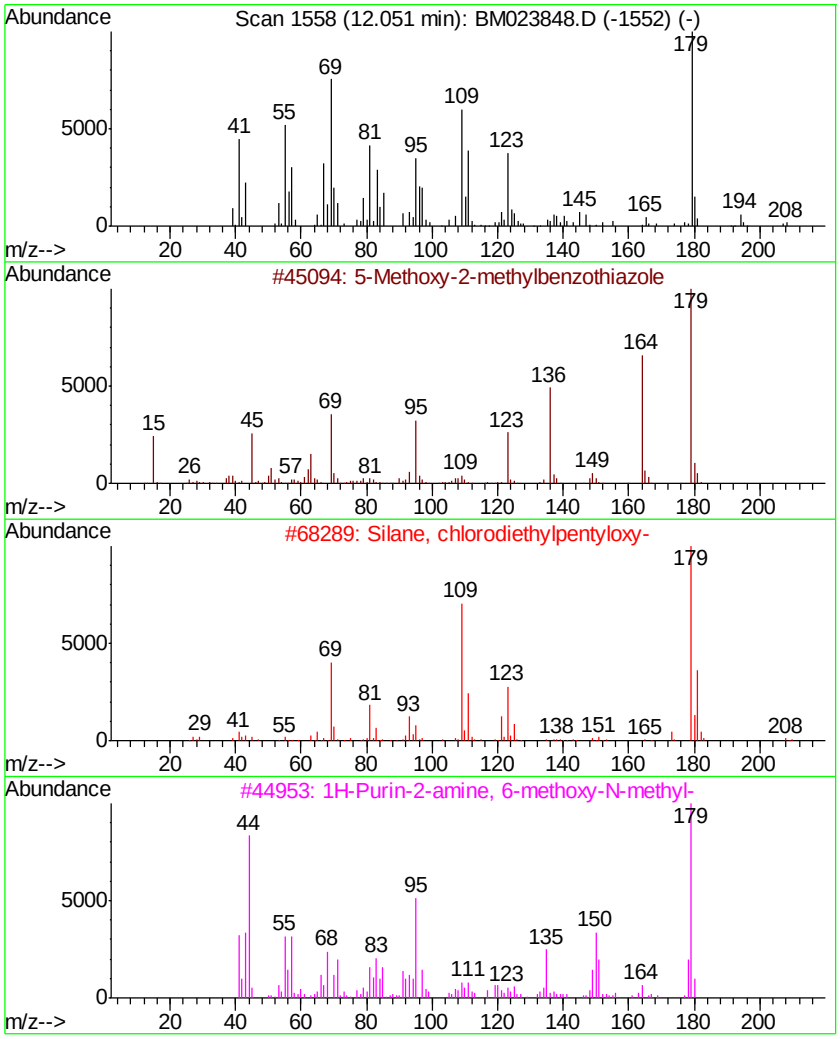
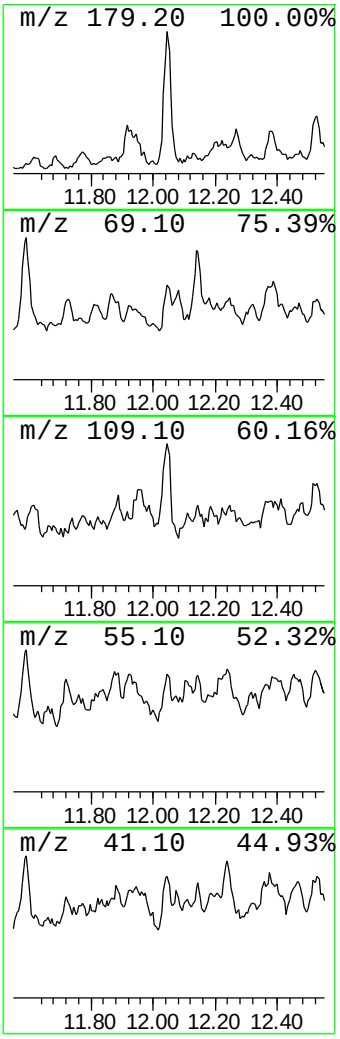
Peak Number 17 unknown-04 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	2.26 ng/ul	423448	Naphthalene-d8	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Methoxy-2-methylbenzothiazole	179	C9H9NOS	1000342-71-0	38
2	Silane, chlorodiethylpentyloxy-	208	C9H21ClOSi	1000363-04-4	38
3	1H-Purin-2-amine, 6-methoxy-N-me...	179	C7H9N5O	050704-44-4	32
4	2H-1-Benzopyran, 3,4,4a,5,6,8a-h...	194	C13H22O	041678-32-4	25
5	3,5-Dimethyl-1-adamantanol	180	C12H20O	000707-37-9	22





Library Search Compound Report

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Data File : BM023848.D
Acq On : 22 Nov 2019 03:08
Operator : JU
Sample : K5809-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPW2

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

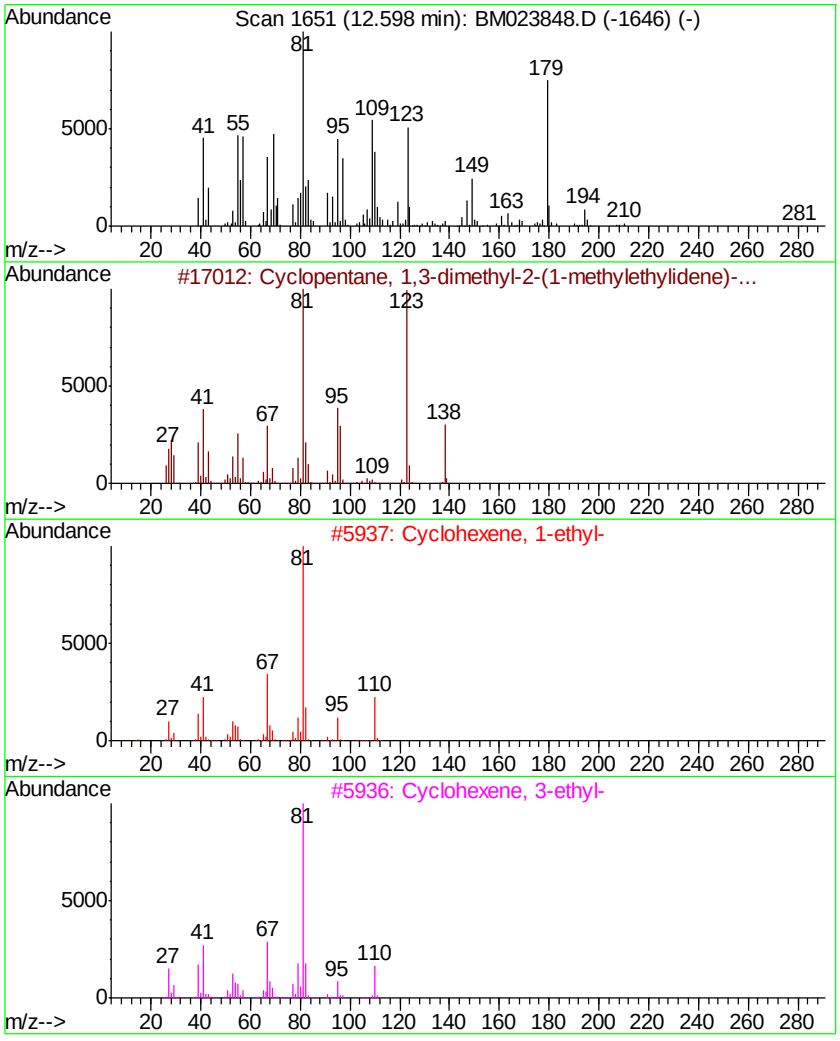
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

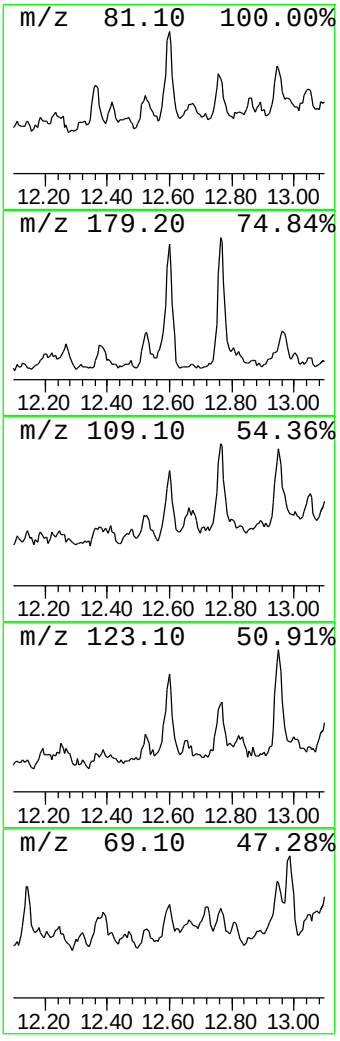
****

Peak Number 18 unknown-05 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	2.24 ng/ul	602408	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-2-(1-...	138	C10H18	061142-30-1	27
2	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	25
3	Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	22
4	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	22
5	Zinc, bis(2,2-dimethyl-3(cis)-(1...	310	C18H30Zn	081069-88-7	22





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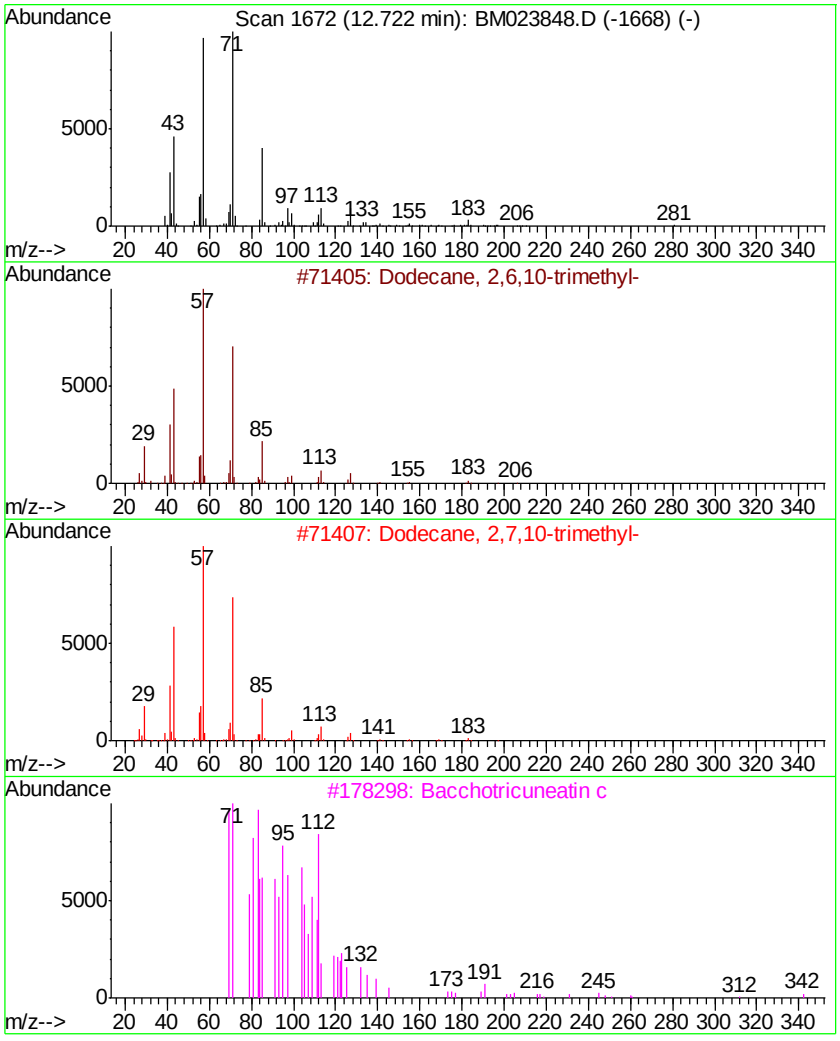
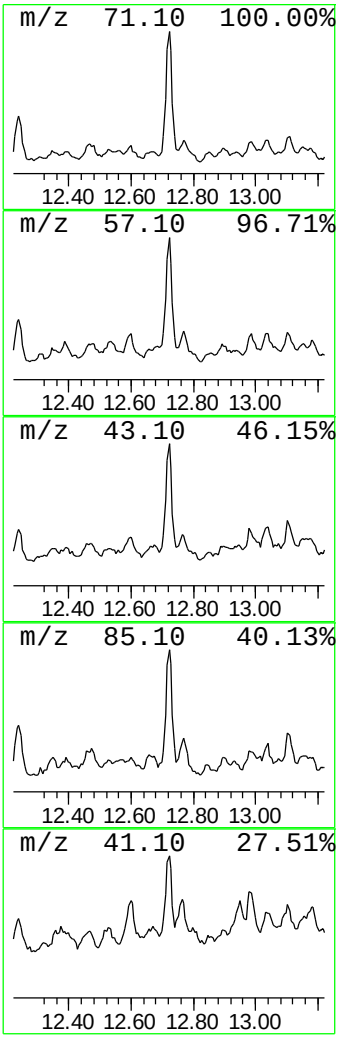
****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	2.28 ng/ul	611755	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
4	Heneicosane	296	C21H44	000629-94-7	53
5	2-Bromo-6-methylheptane	192	C8H17Br	004730-24-9	50





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ClientSampleId : BFPW2

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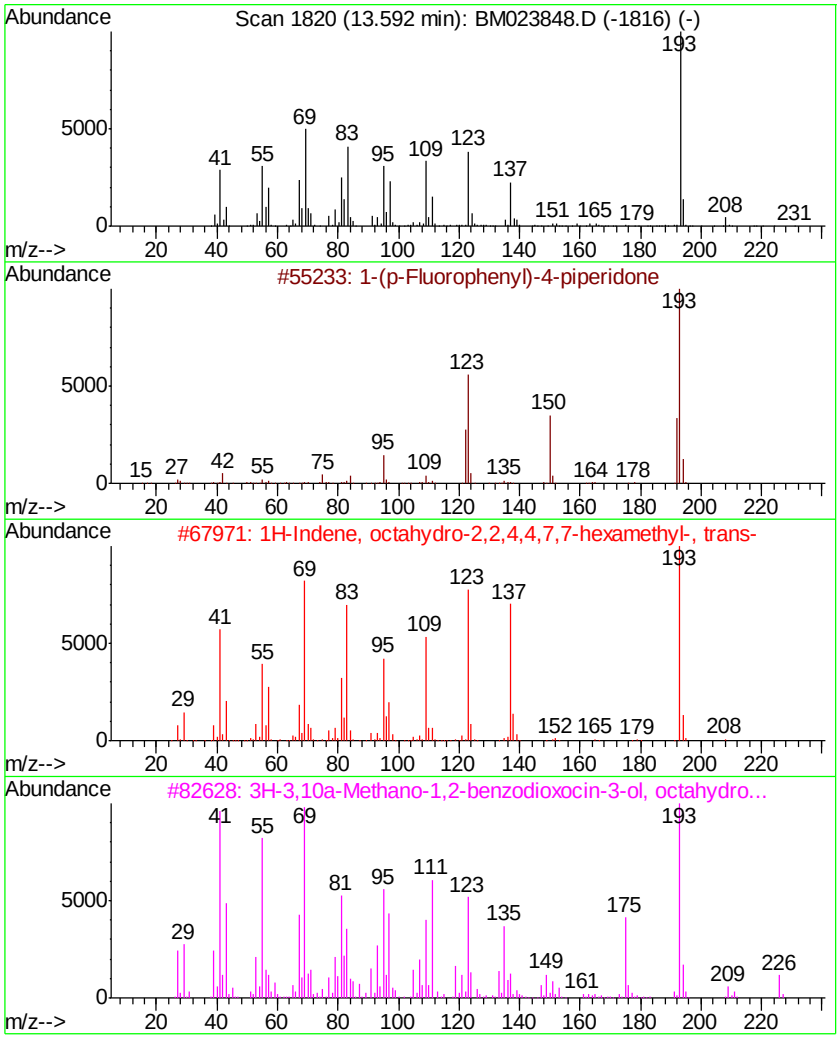
TIC Integration Parameters: LSCINT.P

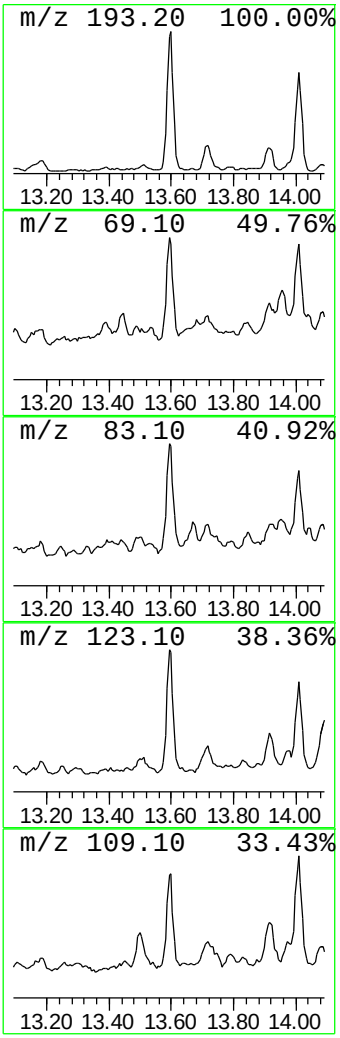
****

Peak Number 20 unknown-06 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	7.30 ng/ul	1959750	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	47
2	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	40
3	3H-3,10a-Methano-1,2-benzodioxoc...	226	C13H22O3	095906-83-5	37
4	Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	37
5	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	37





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ClientSampleId : BFPW2

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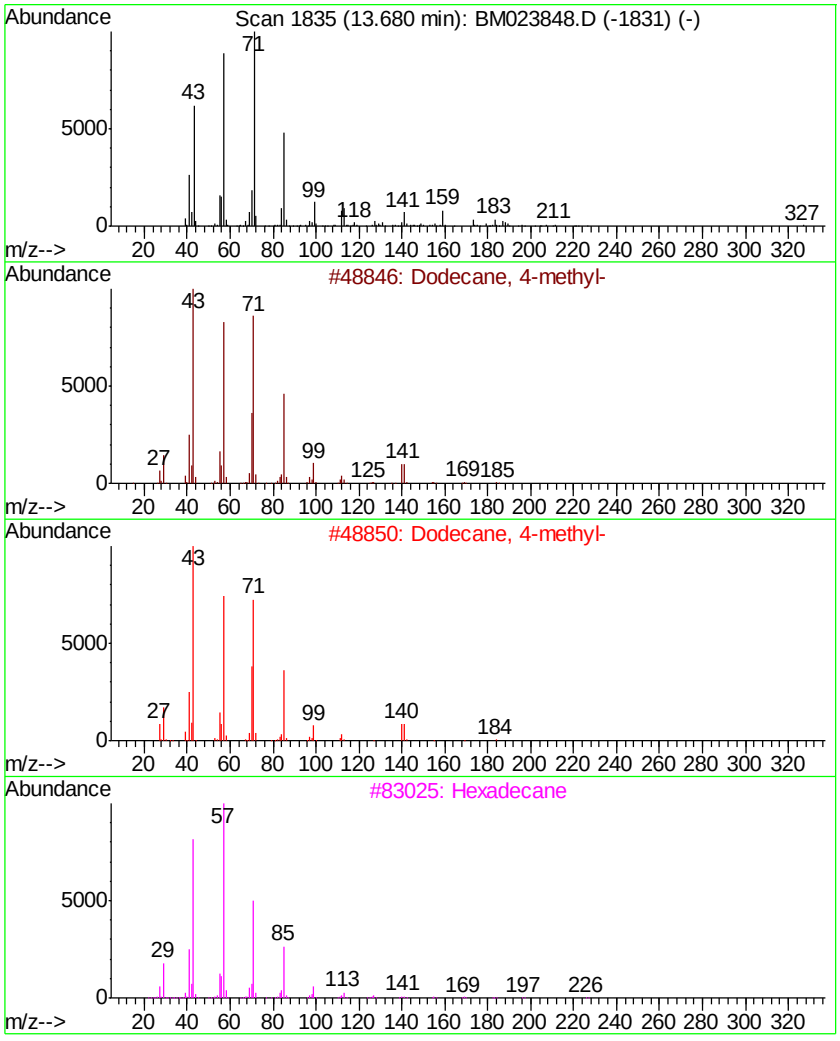
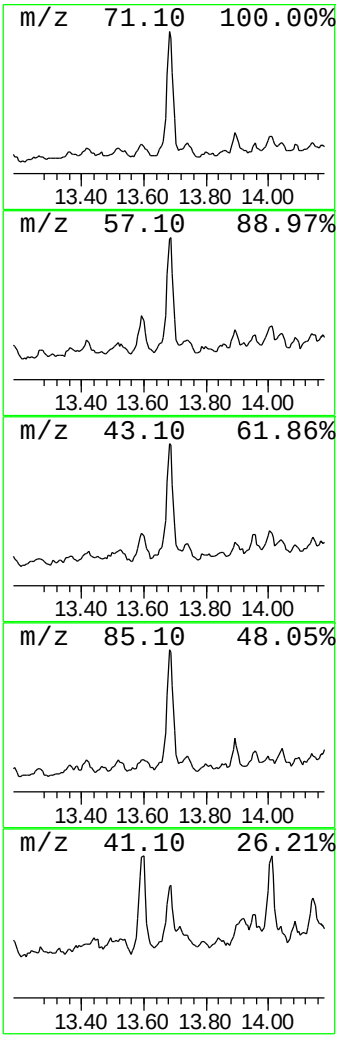
****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	3.68 ng/ul	988711	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4-methyl-	184	C13H28	006117-97-1	86
2	Dodecane, 4-methyl-	184	C13H28	006117-97-1	83
3	Hexadecane	226	C16H34	000544-76-3	72
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
5	1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	64





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Operator : JU
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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPW2

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

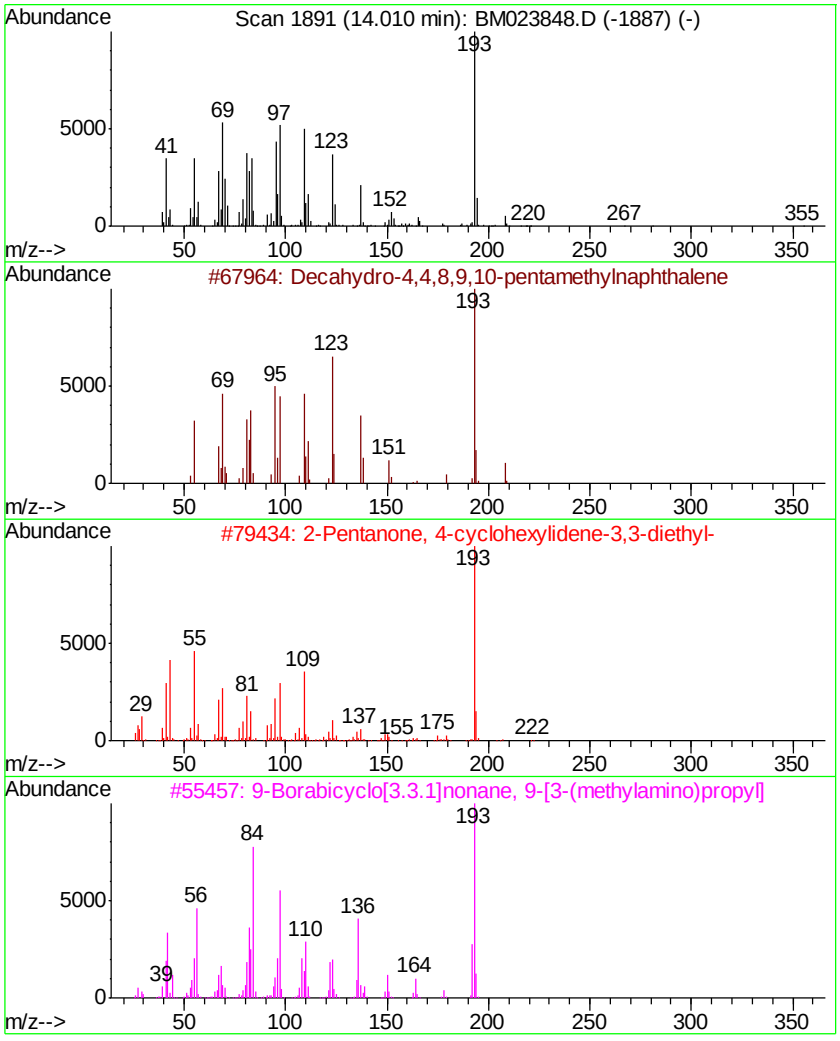
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

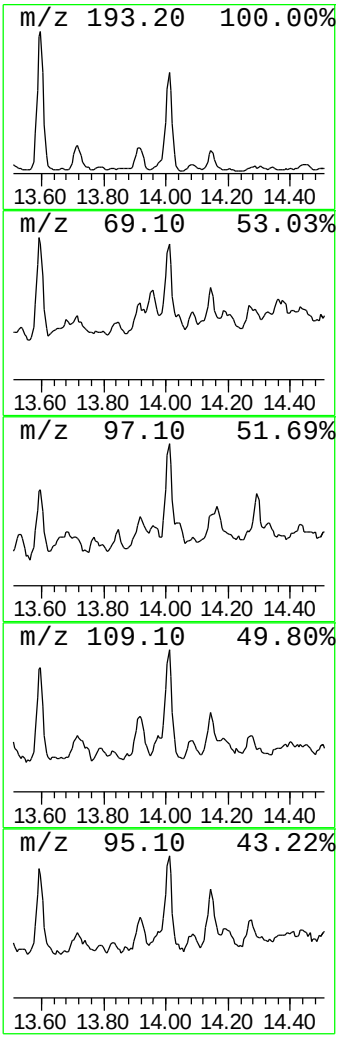
****

Peak Number 22 Decahydro-4,4,8,9,10-pentam... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	5.63 ng/ul	1512100	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	53
2	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	45
3	9-Borabicyclo[3.3.1]nonane, 9-[3...	193	C12H24BN	1000162-56-0	43
4	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	38
5	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	38





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Operator : JU
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFPW2

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Quant Title : SVOA CALIBRATION

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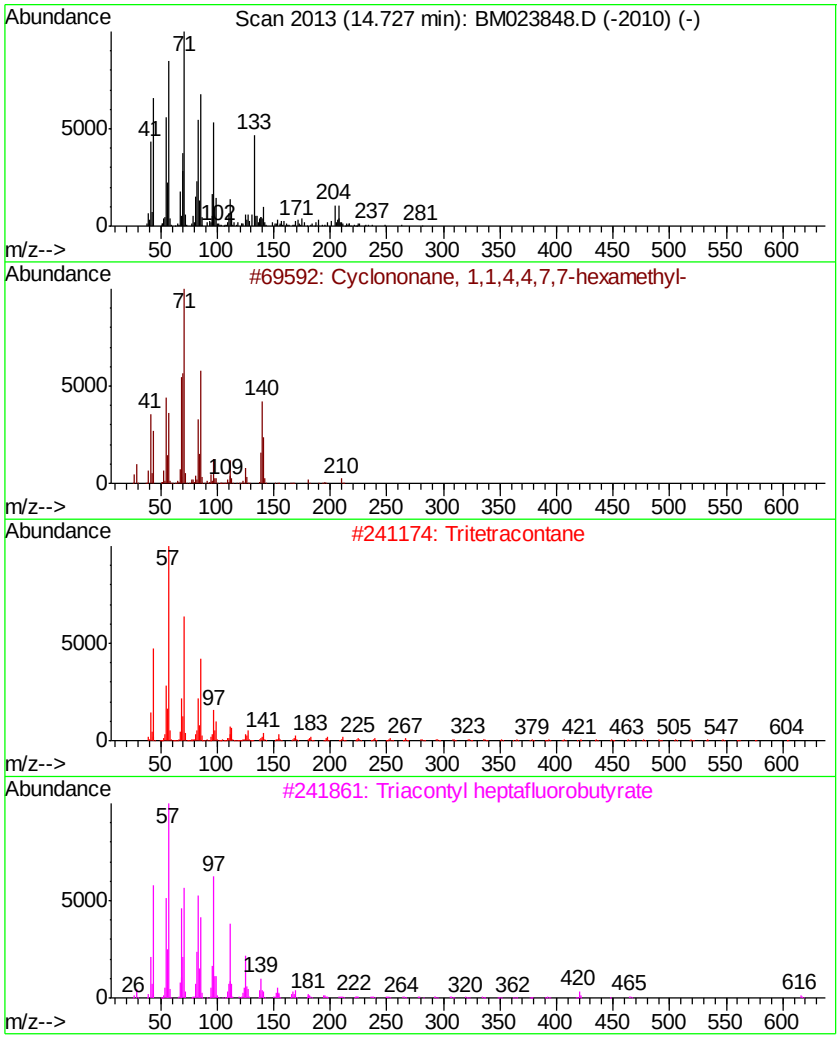
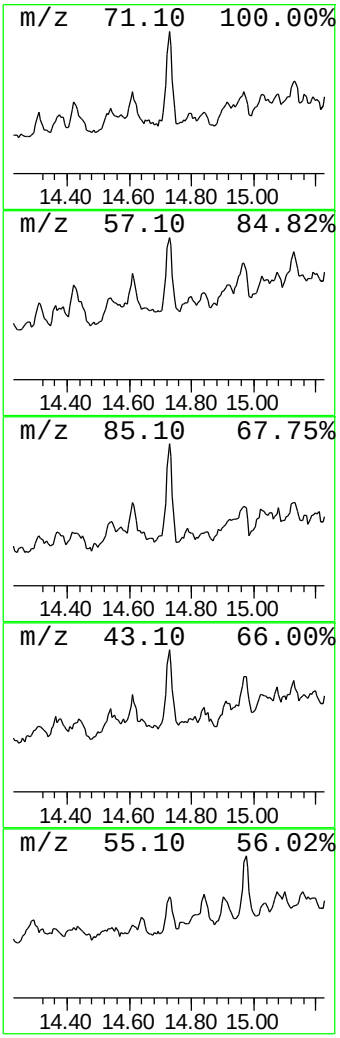
****

Peak Number 23 (DEL) Alkane: Cyclic14.73 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	2.98 ng/ul	799708	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononane, 1,1,4,4,7,7-hexamet...	210	C15H30	149331-19-1	49
2	Tritetracontane	605	C43H88	007098-21-7	43
3	Triacontyl heptafluorobutyrate	634	C34H61F7O2	1000351-83-2	43
4	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	43
5	Hexatriacontyl trifluoroacetate	619	C38H73F3O2	1000351-88-6	43





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Sample : K5809-21
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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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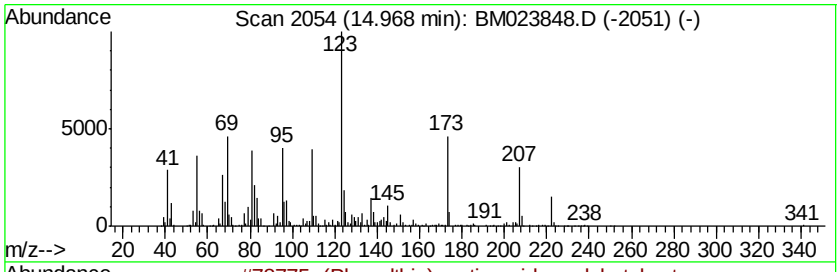
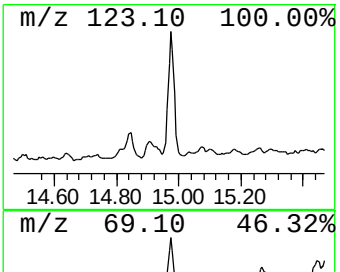
****

Peak Number 24 unknown-07 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	6.06 ng/ul	1628110	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Phenylthio)acetic acid, cyclobu...	222	C12H14O2S	1000299-95-5	43
2	Ethanone, 1-[3-[2-methyl-2-(5-me...	222	C13H18O3	080114-28-9	43
3	3-Fluorobenzoic acid, 3-methylbu...	208	C12H13FO2	154559-38-3	43
4	Cyclohexene, 1,5,5-trimethyl-6-a...	180	C12H20O	211563-96-1	38
5	1-Trimethylsilylpent-1-en-4-yne	138	C8H14Si	079516-25-9	37





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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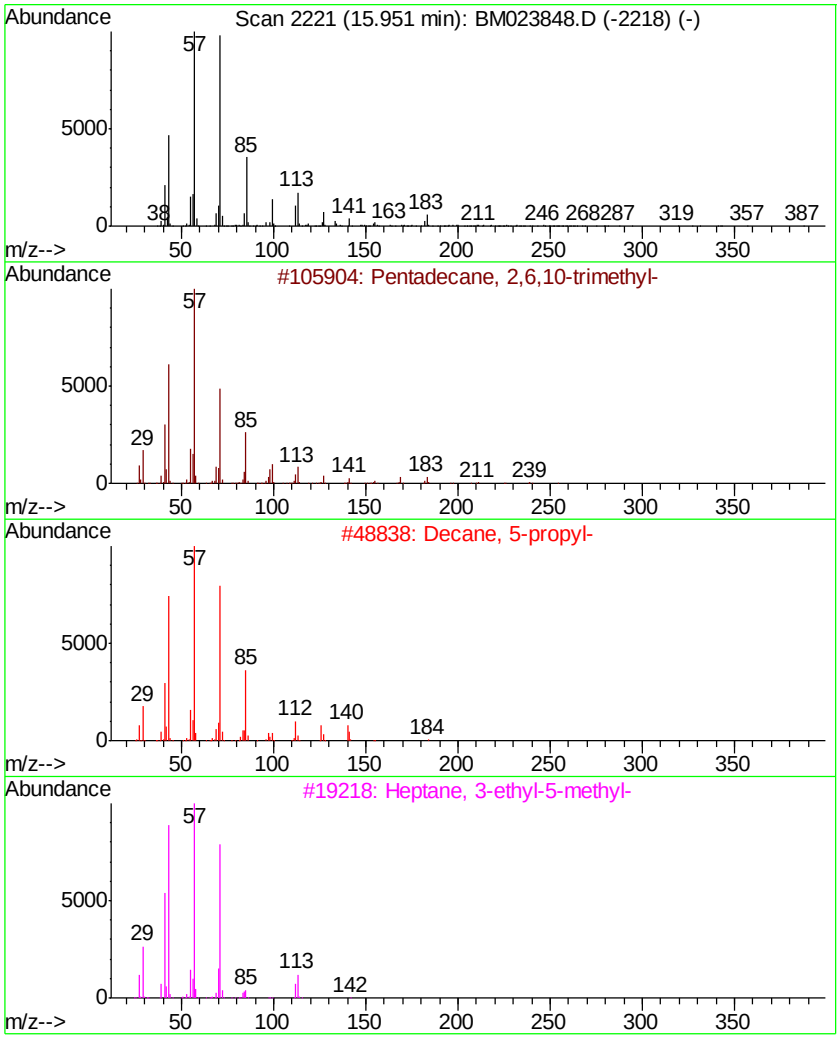
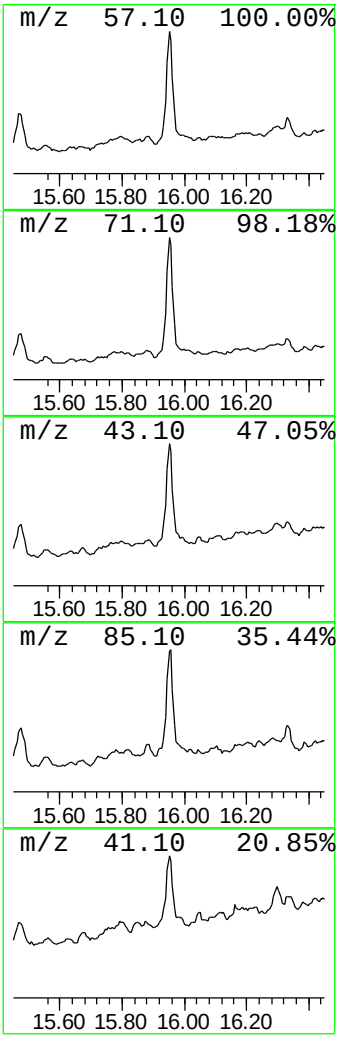
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	14.19 ng/ul	2599320	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	89
2	Decane, 5-propyl-	184	C13H28	017312-62-8	80
3	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	68
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
5	Hexadecane	226	C16H34	000544-76-3	58





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Quant Title : SVOA CALIBRATION

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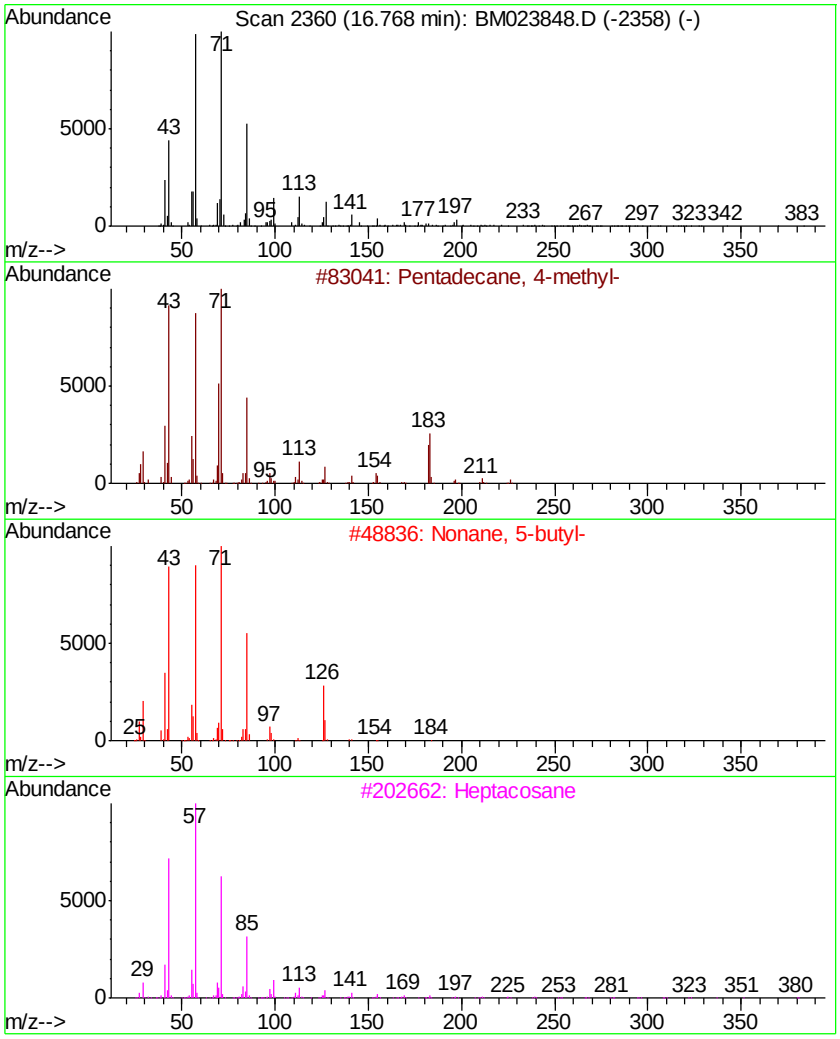
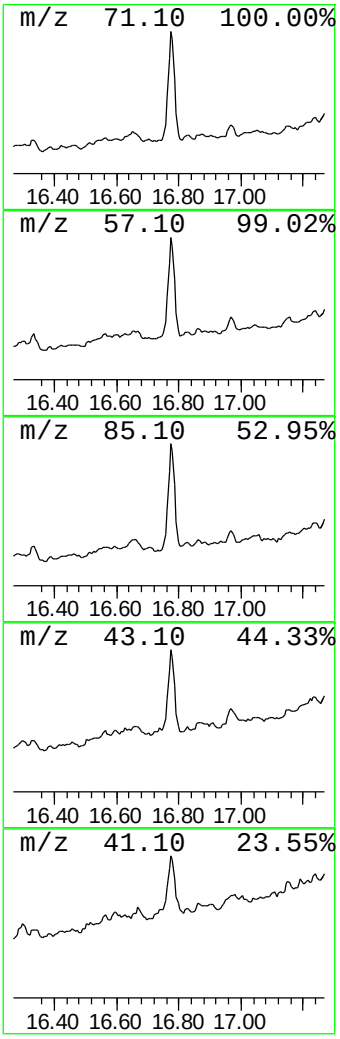
****

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	15.32 ng/ul	2806180	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 4-methyl-	226	C16H34	002801-87-8	86
2	Nonane, 5-butyl-	184	C13H28	017312-63-9	81
3	Heptacosane	380	C27H56	000593-49-7	72
4	Octadecane	254	C18H38	000593-45-3	59
5	Hexadecane	226	C16H34	000544-76-3	58





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	2.97	4.6	ng/ul	567270	1	7.51	2479230	20.0
unknown-01	7.08	2.1	ng/ul	261572	1	7.51	2479230	20.0
Bicyclo[3.1.1]hep...	7.45	2.1	ng/ul	257152	1	7.51	2479230	20.0
(DEL) Alkane: Str...	7.75	3.0	ng/ul	375121	1	7.51	2479230	20.0
2-Ethyl-1-dodecanol	8.06	5.8	ng/ul	712342	1	7.51	2479230	20.0
(DEL) Alkane: Str...	8.20	2.0	ng/ul	253275	1	7.51	2479230	20.0
Naphthalene, deca...	8.33	2.5	ng/ul	310879	1	7.51	2479230	20.0
(DEL) Alkane: Str...	8.40	3.0	ng/ul	378085	1	7.51	2479230	20.0
Cyclohexanecarbox...	8.61	4.8	ng/ul	591757	1	7.51	2479230	20.0
unknown-02	8.86	4.5	ng/ul	563647	1	7.51	2479230	20.0
trans-Decalin, 2-...	9.22	3.0	ng/ul	563761	2	10.29	3751840	20.0
Naphthalene, deca...	9.47	4.4	ng/ul	820105	2	10.29	3751840	20.0
(DEL) Alkane: Cyc...	10.79	2.2	ng/ul	405493	2	10.29	3751840	20.0
unknown-03	10.97	2.9	ng/ul	548181	2	10.29	3751840	20.0
Sulfurous acid, 2...	11.34	4.7	ng/ul	878527	2	10.29	3751840	20.0
(DEL) Alkane: Cyc...	11.59	2.9	ng/ul	543620	2	10.29	3751840	20.0
unknown-04	12.05	2.3	ng/ul	423448	2	10.29	3751840	20.0
unknown-05	12.60	2.2	ng/ul	602408	3	14.17	5372320	20.0
(DEL) Alkane: Str...	12.72	2.3	ng/ul	611755	3	14.17	5372320	20.0
unknown-06	13.59	7.3	ng/ul	1959750	3	14.17	5372320	20.0
(DEL) Alkane: Str...	13.68	3.7	ng/ul	988711	3	14.17	5372320	20.0
Decahydro-4,4,8,9...	14.01	5.6	ng/ul	1512100	3	14.17	5372320	20.0
(DEL) Alkane: Cyc...	14.73	3.0	ng/ul	799708	3	14.17	5372320	20.0
unknown-07	14.97	6.1	ng/ul	1628110	3	14.17	5372320	20.0
(DEL) Alkane: Str...	15.95	14.2	ng/ul	2599320	4	16.93	3662660	20.0
(DEL) Alkane: Str...	16.77	15.3	ng/ul	2806180	4	16.93	3662660	20.0