LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.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	6.775	638	644	657	rBV2	168773	344258	9.34%	0.757%
2	6.934	665	671	680	rVB	144774	243413	6.60%	0.535%
3	7.122	698	703	712	rBV	206117	340203	9.23%	0.748%
4	7.586	773	782	790	rBV	505152	826781	22.43%	1.818%
5	8.304	899	904	915	rBV3	152041	283376	7.69%	0.623%
6	8.675	963	967	972	rVB6	33823	45322	1.23%	0.100%
7	8.745	972	979	986	rBV	198142	371307	10.07%	0.816%
8	8.880	997	1002	1004	rBV5	24516	40560	1.10%	0.089%
9	8.922	1004	1009	1014	rVB7	35035	70042	1.90%	0.154%
10	9.216	1051	1059	1065	rBV7	24340	67531	1.83%	0.148%
11	9.275	1065	1069	1074	rVB6	23757	40785	1.11%	0.090%
12	9.463	1090	1101	1109	rBV6	168293	432452	11.73%	0.951%
13	9.533	1109	1113	1122	rVB8	40915	88075	2.39%	0.194%
14	9.763	1147	1152	1157	rBV6	29550	63969	1.74%	0.141%
15	9.945	1176	1183	1187	rBV7	22336	45103	1.22%	0.099%
16	10.004	1187	1193	1201	rBV	192035	387263	10.51%	0.852%
17	10.139	1210	1216	1220	rVB9	21707	39639	1.08%	0.087%
18	10.251	1232	1235	1243	rVV8	26725	60916	1.65%	0.134%
19	10.322	1243	1247	1248	rVV3	32419	50878	1.38%	0.112%
20	10.357	1248	1253	1259	rVV	600387	1043422	28.31%	2.294%
21	10.410	1259	1262	1267	rVB4	38348	69950	1.90%	0.154%
22	10.475	1269	1273	1275	rBV4	35036	46319	1.26%	0.102%
23	10.516	1275	1280	1287	rVB2	177392	316653	8.59%	0.696%
24	10.657	1300	1304	1309	rVB6	36868	64780	1.76%	0.142%
25	10.733	1312	1317	1324	rBV8	36228	76340	2.07%	0.168%
26	11.051	1360	1371	1375	rVV7	74958	188287	5.11%	0.414%
27	11.133	1379	1385	1390	rVB10	23568	49131	1.33%	0.108%
28	11.192	1390	1395	1401	rBV7	23568	50418	1.37%	0.111%
29	11.380	1422	1427	1431	rBV2	330451	502733	13.64%	1.105%
30	11.692	1475	1480	1486	rBV5	55797	98362	2.67%	0.216%
31	11.810	1495	1500	1507	rVB5	17045	37444	1.02%	0.082%
32	12.033	1532	1538	1545	rVB	280510	470373	12.76%	1.034%
33	12.098	1545	1549	1555	rVB9	19224	39645	1.08%	0.087%
34	12.157	1555	1559	1565	rBV8	34063	65101	1.77%	0.143%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Title : SVOA CALIBRATION

35	12.251	1569	1575	1583	rVB	196546	377660	10.25%	0.830%
36	12.492	1613	1616	1622	rVB3	86441	142605	3.87%	0.314%
37	12.568	1624	1629	1634	rBV8	29595	60612	1.64%	0.133%
38	12.710	1649	1653	1656	rBV6	41620	62887	1.71%	0.138%
39	12.757	1657	1661	1667	rVV	328437	492137	13.35%	1.082%
40	12.810	1667	1670	1677	rVB8	54540	94105	2.55%	0.207%
41	12.986	1695	1700	1704	rBV8	53544	96706	2.62%	0.213%
42	13.263	1744	1747	1749	rBV2	50051	65510	1.78%	0.144%
43	13.392	1765	1769	1771	rBV4	83413	116947	3.17%	0.257%
44	13.557	1791	1797	1801	rBV	151270	279602	7.59%	0.615%
45	13.610	1802	1806	1808	rVV	106599	157759	4.28%	0.347%
46	13.651	1808	1813	1818	rVV	469760	793152	21.52%	1.744%
47	13.715	1818	1824	1829	rVV3	477954	867778	23.54%	1.908%
48	13.792	1830	1837	1840	rVB5	67224	137918	3.74%	0.303%
49	13.868	1847	1850	1854	rBV5	45373	66516	1.80%	0.146%
50	13.927	1855	1860	1864	rBV	510641	695970	18.88%	1.530%
51	14.057	1878	1882	1885	rVB4	78075	95919	2.60%	0.211%
52	14.145	1891	1897	1900	rBV5	63822	111131	3.01%	0.244%
53	14.233	1902	1912	1918	rVV4	1014581	2135252	57.93%	4.695%
54	14.298	1918	1923	1932	rVB	664500	1062664	28.83%	2.337%
55	14.380	1932	1937	1942	rBV3	112927	189606	5.14%	0.417%
56	14.486	1952	1955	1959	rVB6	36844	57177	1.55%	0.126%
57	14.639	1976	1981	1990	rVB	517547	828418	22.47%	1.821%
58	14.715	1992	1994	1999	rVB3	51694	62237	1.69%	0.137%
59	14.768	1999	2003	2008	rBV4	115901	177912	4.83%	0.391%
60	14.862	2015	2019	2026	rBV8	82611	178592	4.85%	0.393%
61	15.015	2039	2045	2050	rBV7	107994	242289	6.57%	0.533%
62	15.098	2057	2059	2064	rVB4	52897	57529	1.56%	0.126%
63	15.233	2078	2082	2087	rVB2	617673	876862	23.79%	1.928%
64	15.292	2087	2092	2099	rBV	705684	1012137	27.46%	2.225%
65	15.386	2104	2108	2112	rBV6	117398	205035	5.56%	0.451%
66	15.457	2116	2120	2123	rBV4	69333	86418	2.34%	0.190%
67	15.504	2124	2128	2133	rVV2	306427	414149	11.24%	0.911%
68	15.609	2139	2146	2152	rVB2	554698	910681	24.71%	2.002%
69	15.662	2152	2155	2156	rBV3	36630	44197	1.20%	0.097%
70	15.704	2158	2162	2167	rBV	587441	831388	22.56%	1.828%
71	15.804	2175	2179	2185	rBV9	52540	119497	3.24%	0.263%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Title : SVOA CALIBRATION

72	15.986	2203	2210	2214	rBV	781158	1237412	33.57%	2.721%
73	16.033	2214	2218	2222	rVB	351627	468635	12.71%	1.030%
74	16.809	2346	2350	2357	rVB2	484991	771417	20.93%	1.696%
75	16.898	2362	2365	2371	rVB2	132105	166943	4.53%	0.367%
76	16.992	2376	2381	2384	rBV	1210342	1722303	46.73%	3.787%
77	17.033	2384	2388	2393	rVV	2727138	3685968	100.00%	8.105%
78	17.092	2393	2398	2401	rVV	704209	1083471	29.39%	2.382%
79	17.127	2401	2404	2409	rVB	386948	539347	14.63%	1.186%
80	17.215	2416	2419	2425	rVB	185416	248108	6.73%	0.546%
81	17.415	2449	2453	2459	rVB8	113461	185164	5.02%	0.407%
82	17.774	2511	2514	2523	rVB9	69523	122956	3.34%	0.270%
83	17.868	2526	2530	2532	rVV	150018	224398	6.09%	0.493%
84	17.915	2535	2538	2544	rVB	244240	360318	9.78%	0.792%
85	17.998	2550	2552	2557	rBV3	57707	80917	2.20%	0.178%
86	18.062	2558	2563	2567	rBV2	328797	557595	15.13%	1.226%
87	18.186	2582	2584	2590	rVB7	58209	64059	1.74%	0.141%
88	18.374	2613	2616	2621	rBV	133394	161485	4.38%	0.355%
89	19.056	2727	2732	2738	rVV	2011147	2578518	69.95%	5.670%
90	19.115	2738	2742	2747	rVB3	225032	302038	8.19%	0.664%
91	19.392	2784	2789	2792	rBV	1175784	1867478	50.66%	4.106%
92	19.421	2792	2794	2801	rVB	1358041	1559472	42.31%	3.429%
93	19.927	2877	2880	2882	rVB	116955	116671	3.17%	0.257%
94	20.021	2894	2896	2900	rVB	170012	192076	5.21%	0.422%
95	21.191	3089	3095	3099	rBV2	1639082	2392910	64.92%	5.261%
96	21.227	3099	3101	3105	rVB	242516	270437	7.34%	0.595%
97	23.244	3439	3444	3455	rVB2	697739	1474306	40.00%	3.242%
98	23.380	3461	3467	3475	rVB	1103052	1877827	50.95%	4.129%

Sum of corrected areas: 45480014

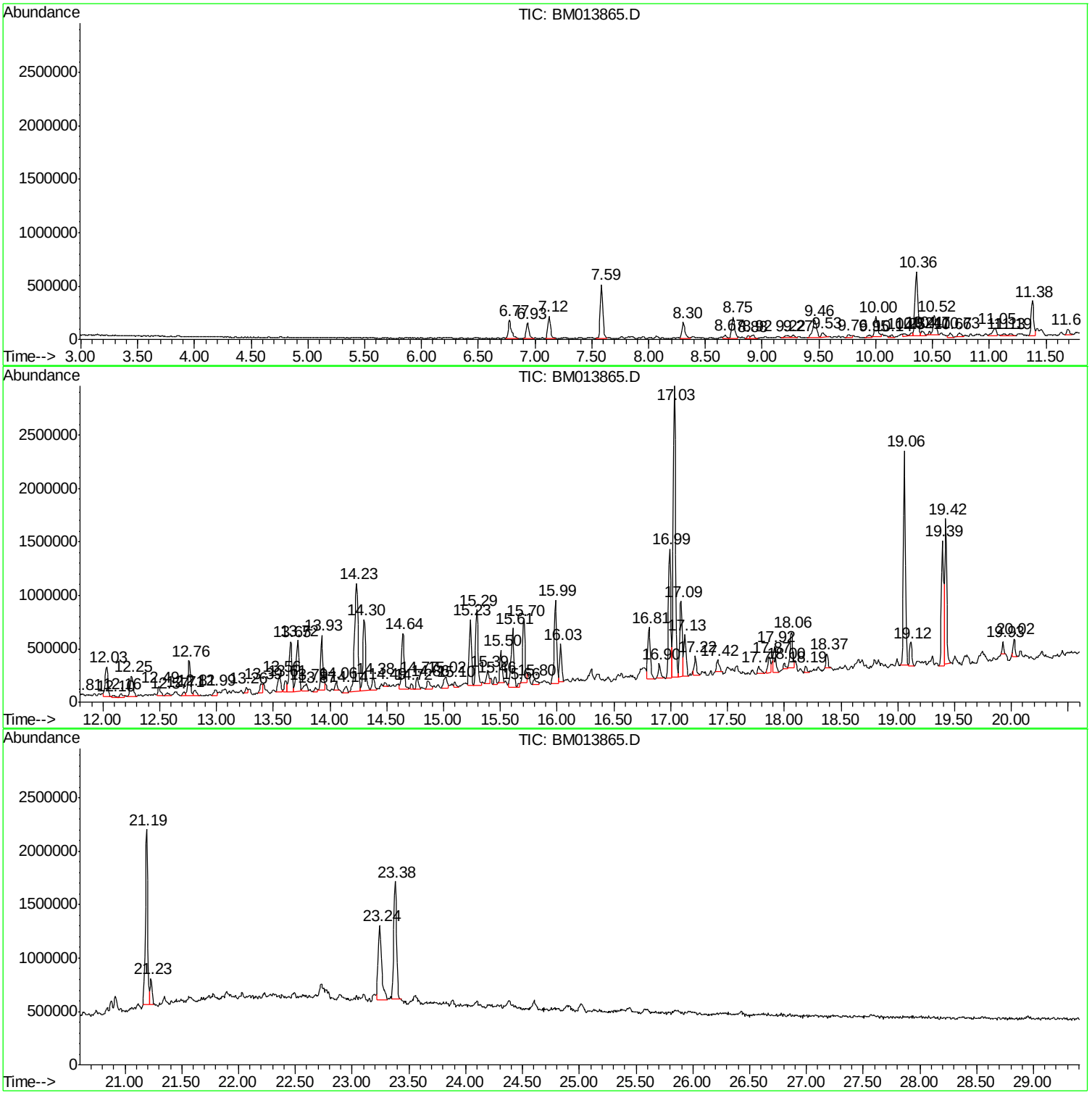
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

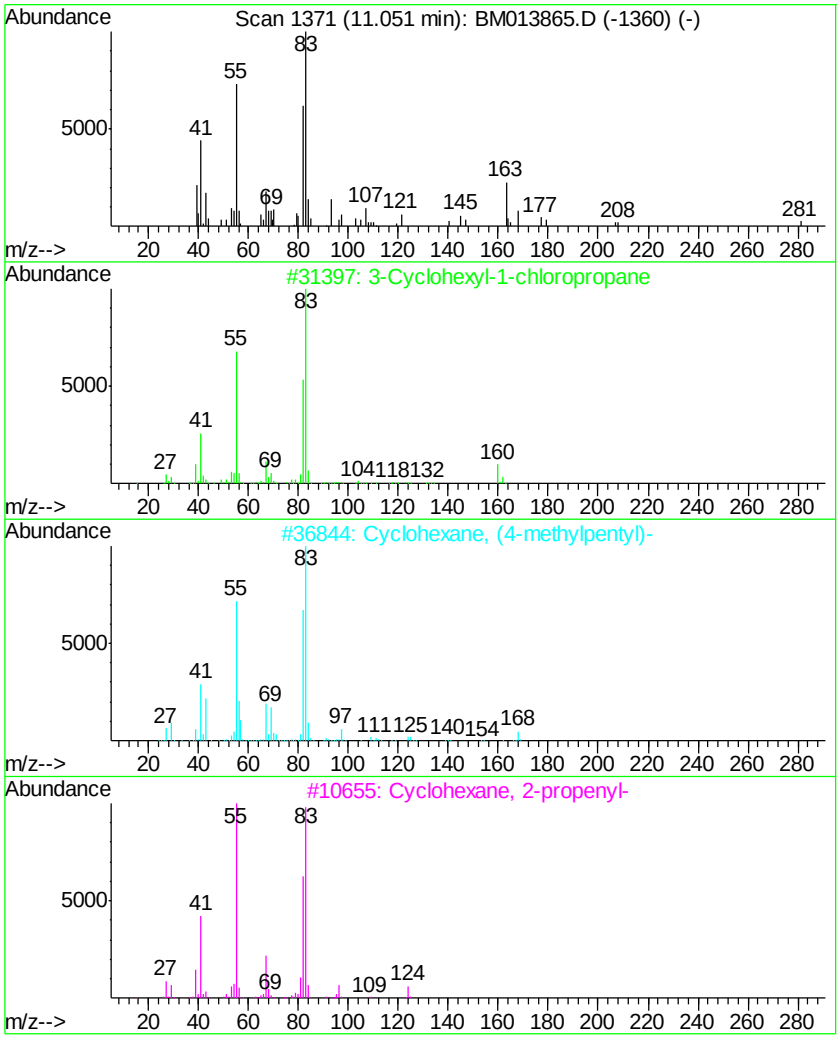
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

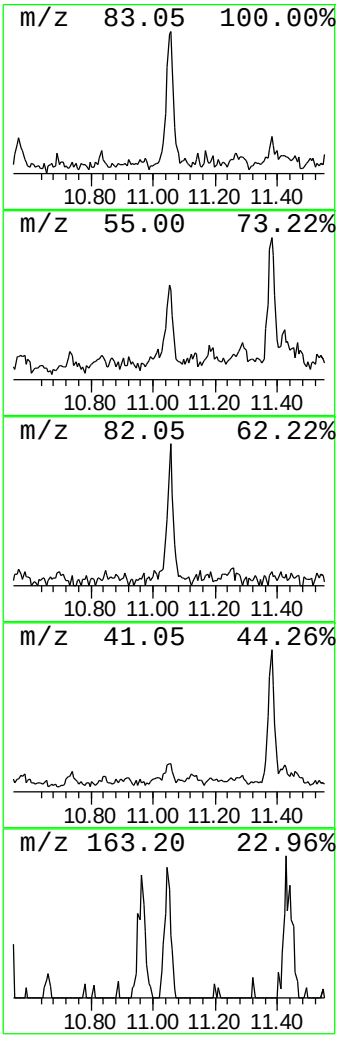
****

Peak Number 1 3-Cyclohexyl-1-chloropropane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	3.61 ng/ul	188287	Naphthalene-d8	10.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	64
2	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	64
3	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	59
4	Cyclohexane, 1,1'-(1,3-propanedi...	208	C15H28	003178-24-3	59
5	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	59





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

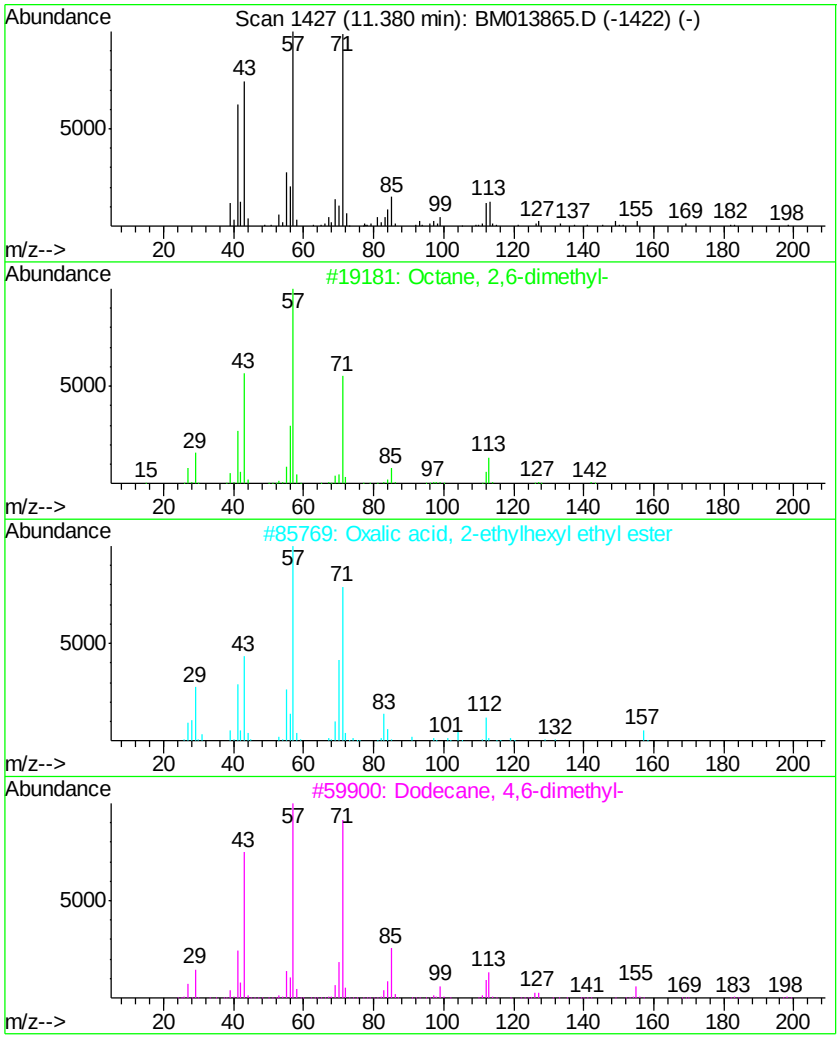
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

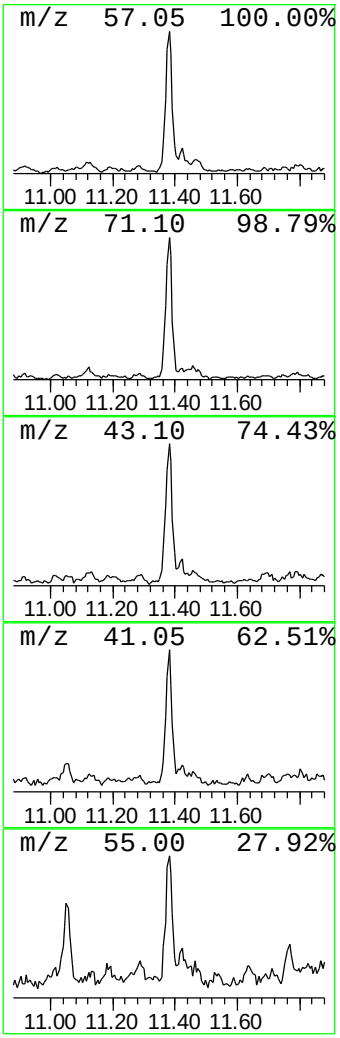
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	9.64 ng/ul	502733	Naphthalene-d8	10.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2	Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	72
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
4	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	64
5	Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

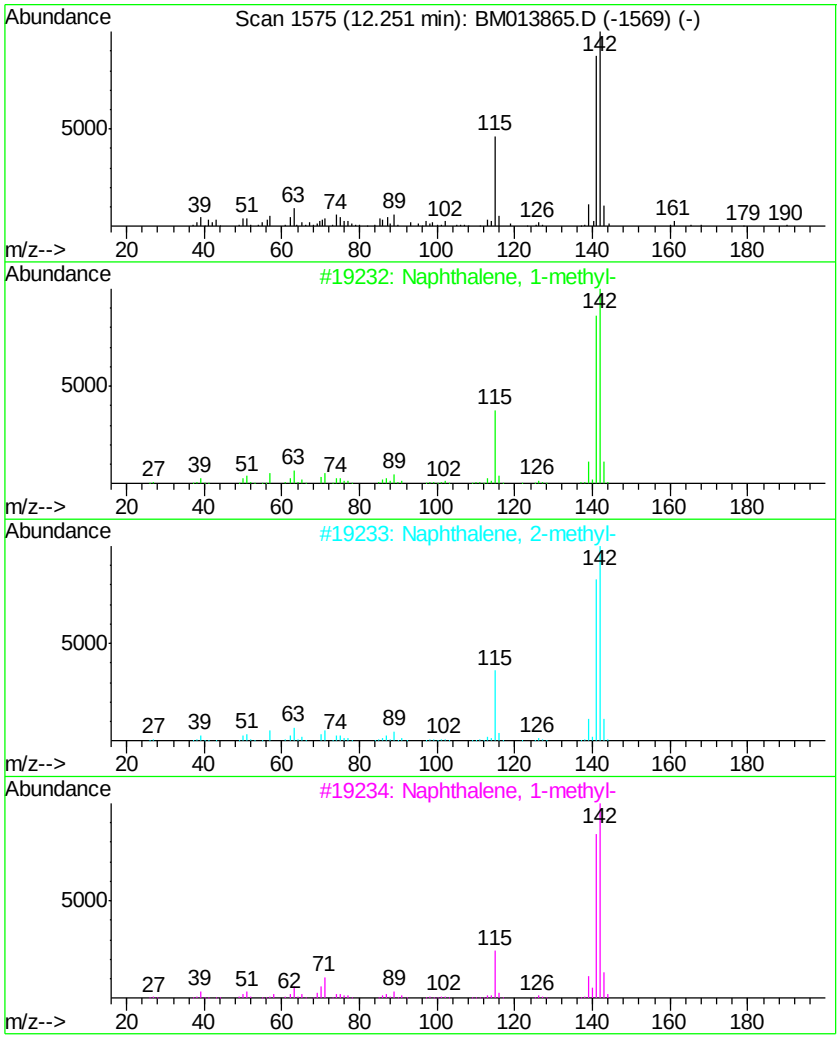
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

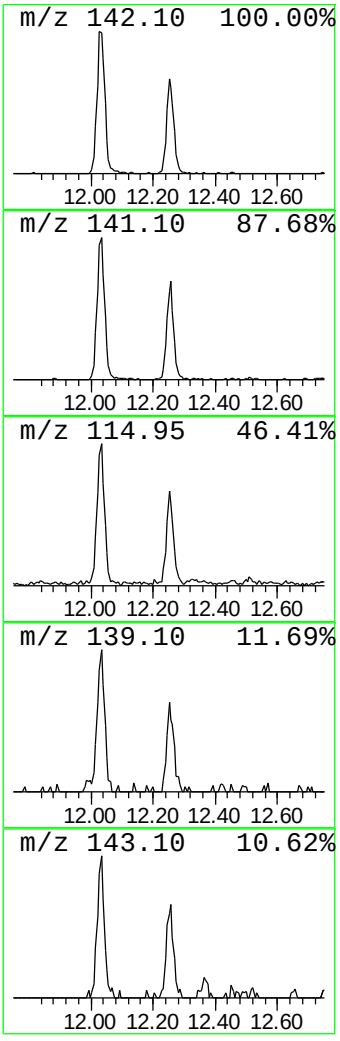
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	7.24 ng/ul	377660	Naphthalene-d8	10.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

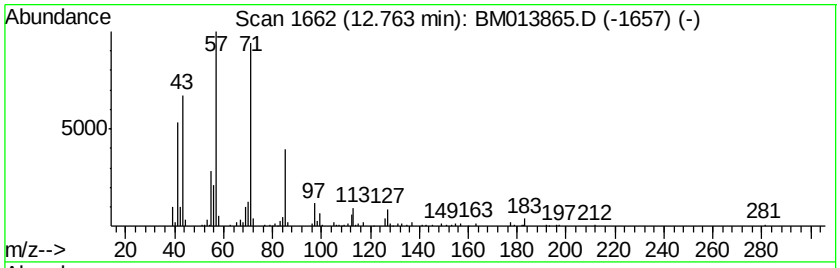
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

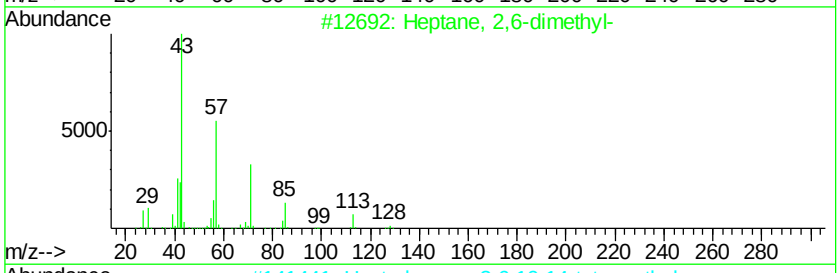
****

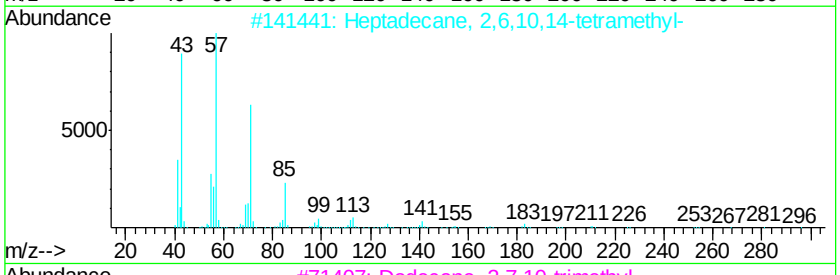
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 9

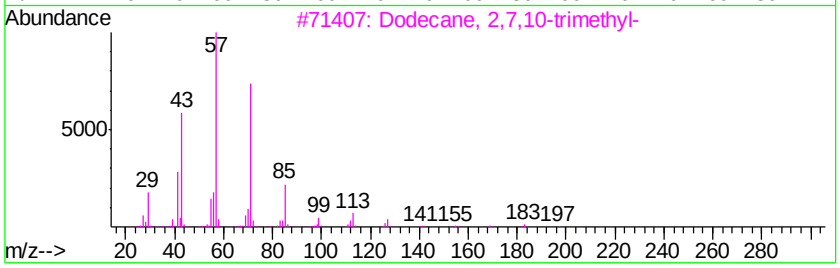
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	4.61 ng/ul	492137	Acenaphthene-d10	14.23

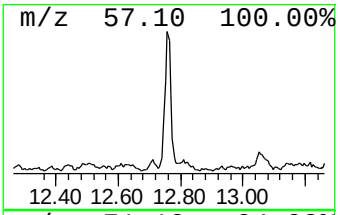
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	87
2	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	83
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	78
4	Undecane, 6-ethyl-	184	C13H28	017312-60-6	72
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	64

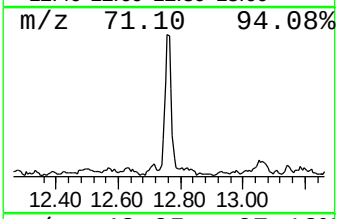


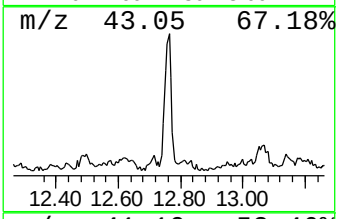


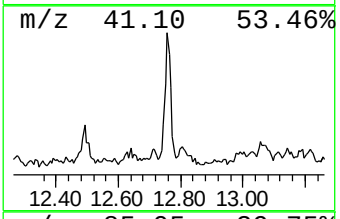


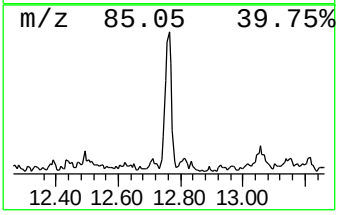












Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

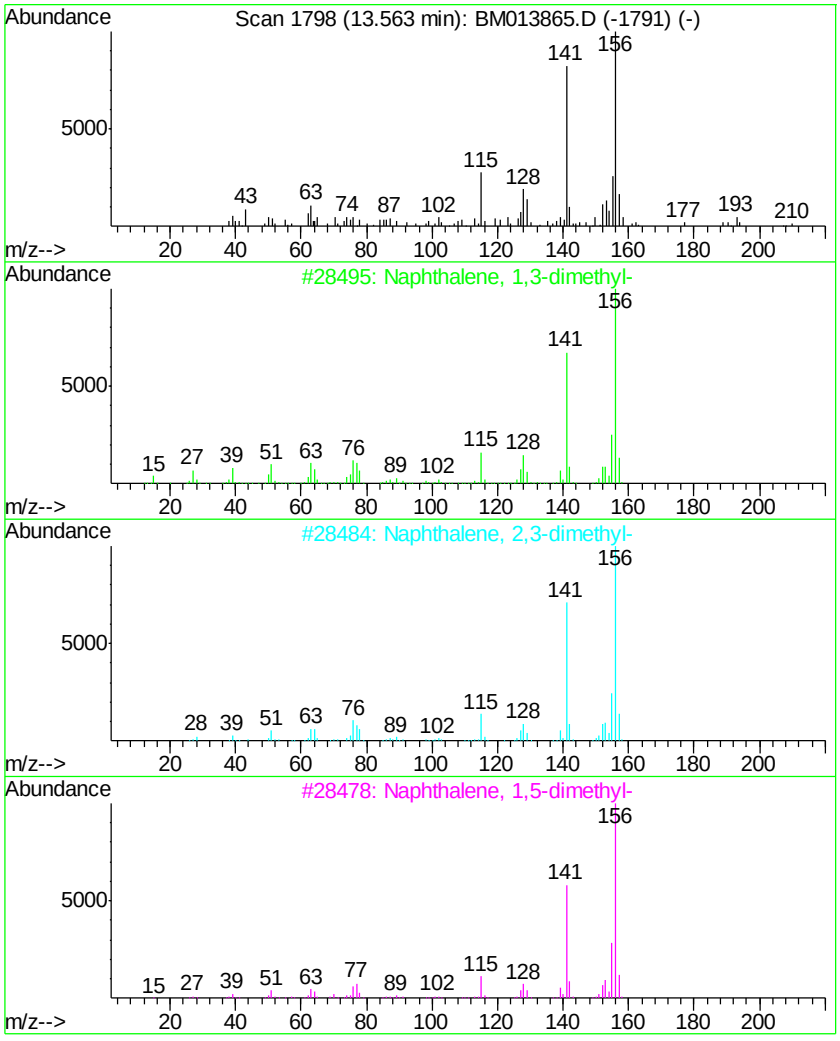
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

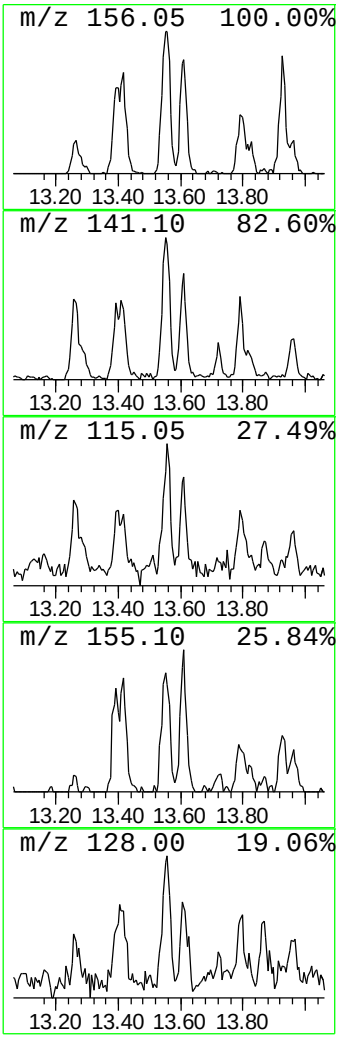
****

Peak Number 5 Naphthalene, 1,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	2.62 ng/ul	279602	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	93
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

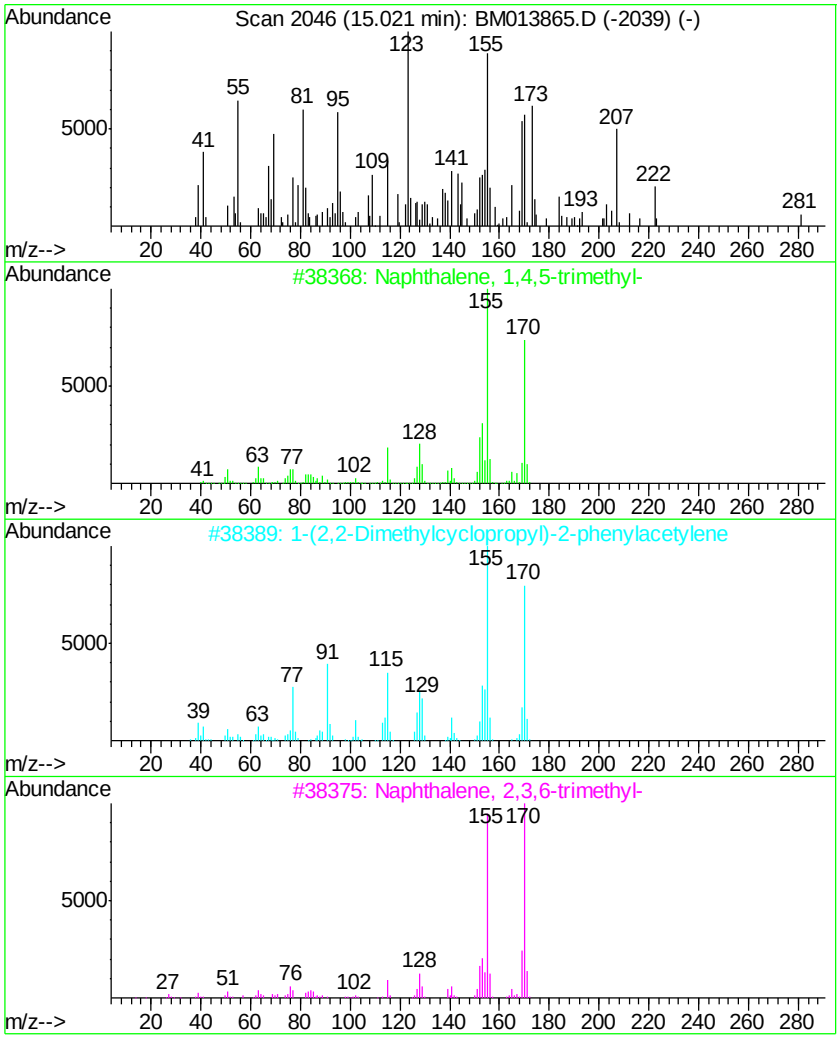
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

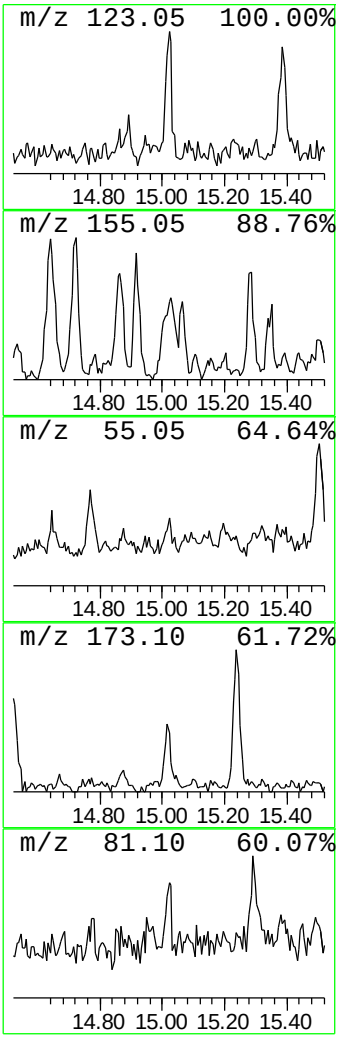
****

Peak Number 6 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	2.27 ng/ul	242289	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	35
2	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	35
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	35
4	2-Vinyl-1,2,3-trimethyl-1,3-diaz...	170	C8H18N2Si	051105-25-0	20
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	20





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

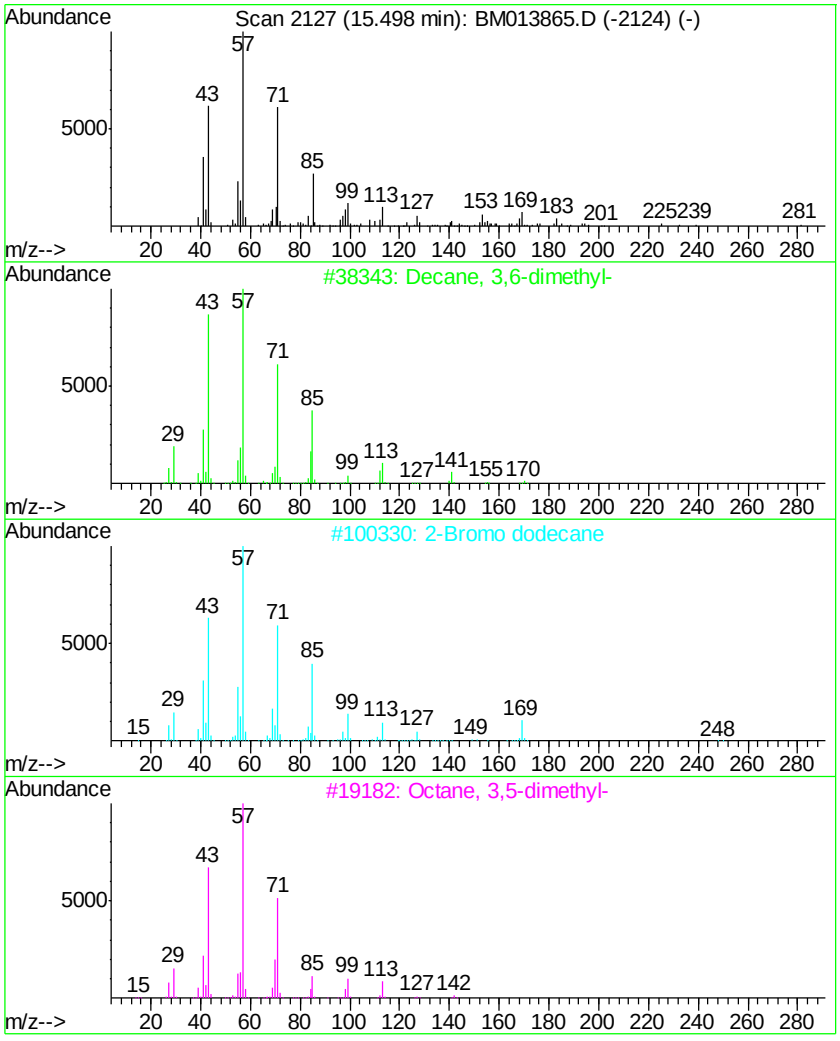
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

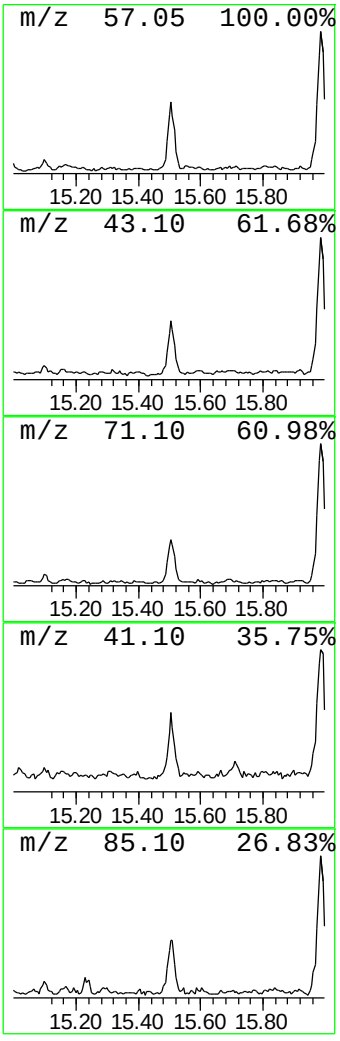
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	3.88 ng/ul	414149	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	89
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	83
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	81
4	Decane, 2-methyl-	156	C11H24	006975-98-0	81
5	Octacosane	394	C28H58	000630-02-4	72





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

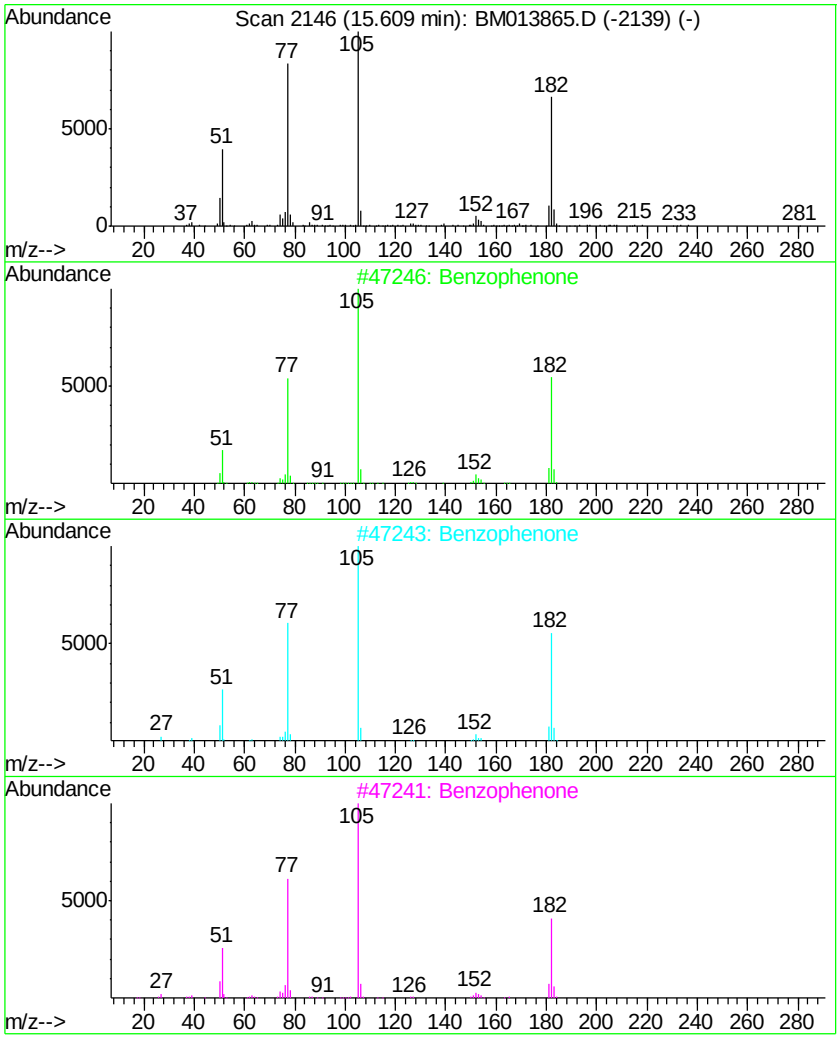
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

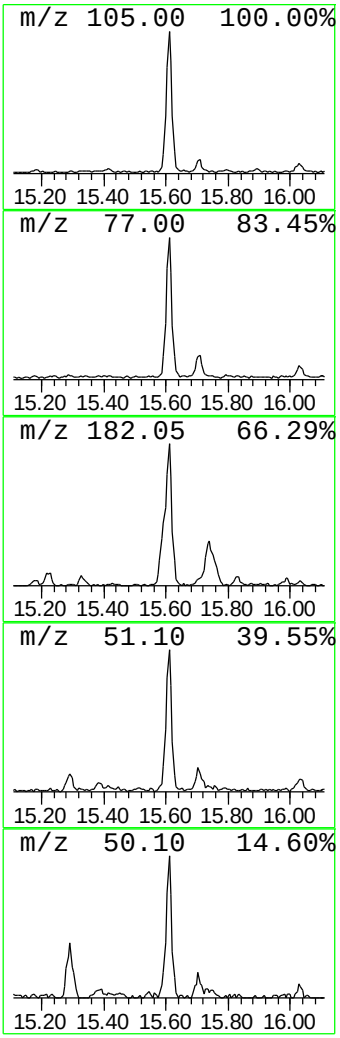
****

Peak Number 8 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	8.53 ng/ul	910681	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzophenone	182	C13H10O	000119-61-9	95
3	Benzophenone	182	C13H10O	000119-61-9	94
4	Benzophenone	182	C13H10O	000119-61-9	94
5	Benzophenone	182	C13H10O	000119-61-9	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

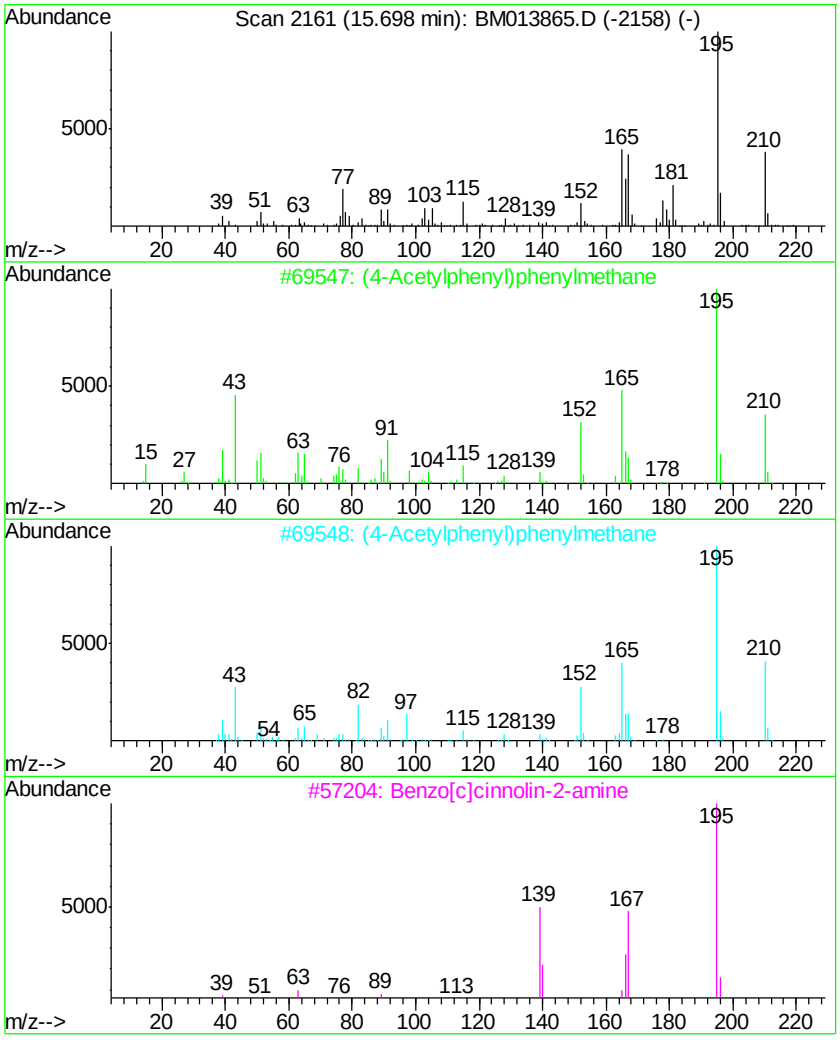
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

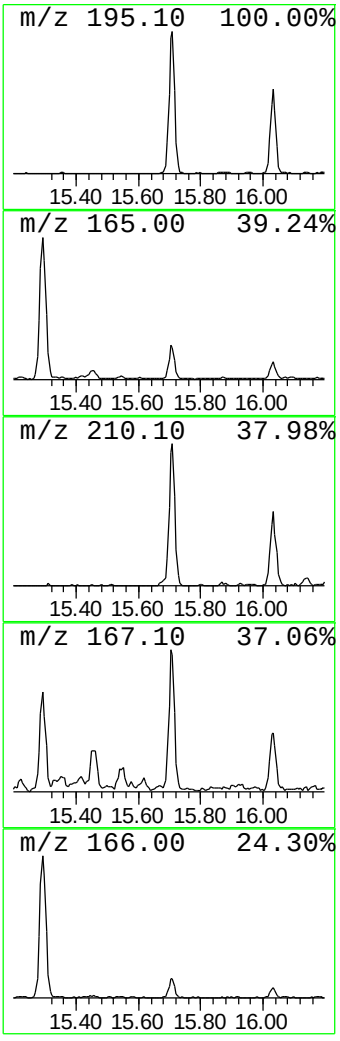
****

Peak Number 9 (4-Acetylphenyl)phenylmethane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	9.65 ng/ul	831388	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	62
2	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	53
3	Benzo[c]cinnolin-2-amine	195	C12H9N3	004827-07-0	50
4	9(10H)-Acridinone	195	C13H9NO	000578-95-0	45
5	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	43





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

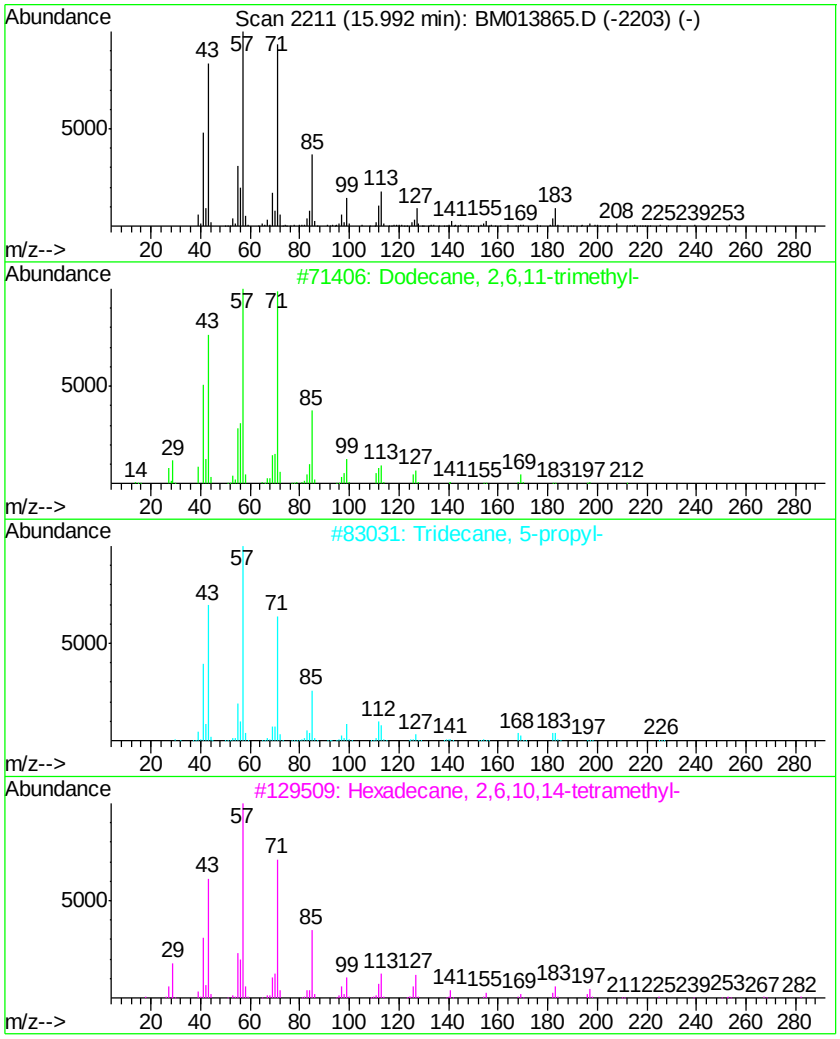
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

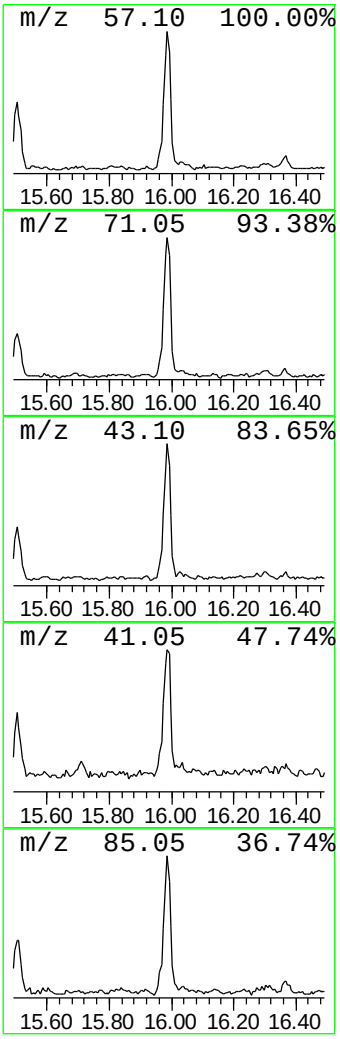
****

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	14.37 ng/ul	1237410	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	72
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	70
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	62





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

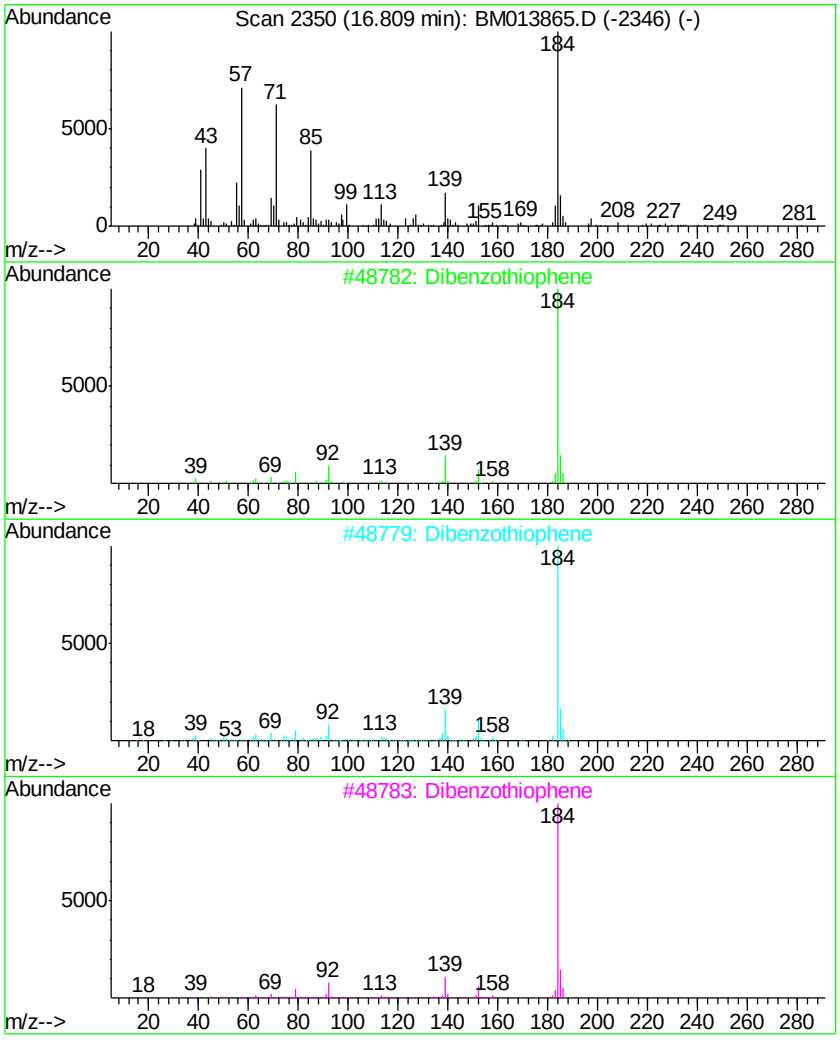
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

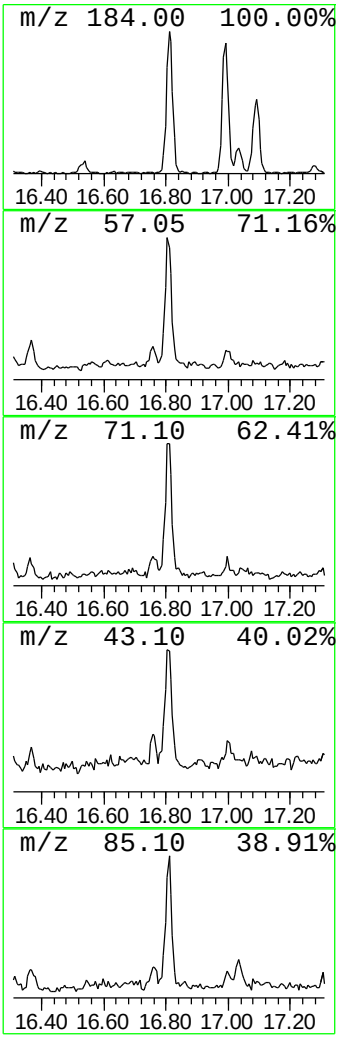
****

Peak Number 12 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	8.96 ng/ul	771417	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	70
2	Dibenzothiophene	184	C12H8S	000132-65-0	50
3	Dibenzothiophene	184	C12H8S	000132-65-0	49
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	49
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	46





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

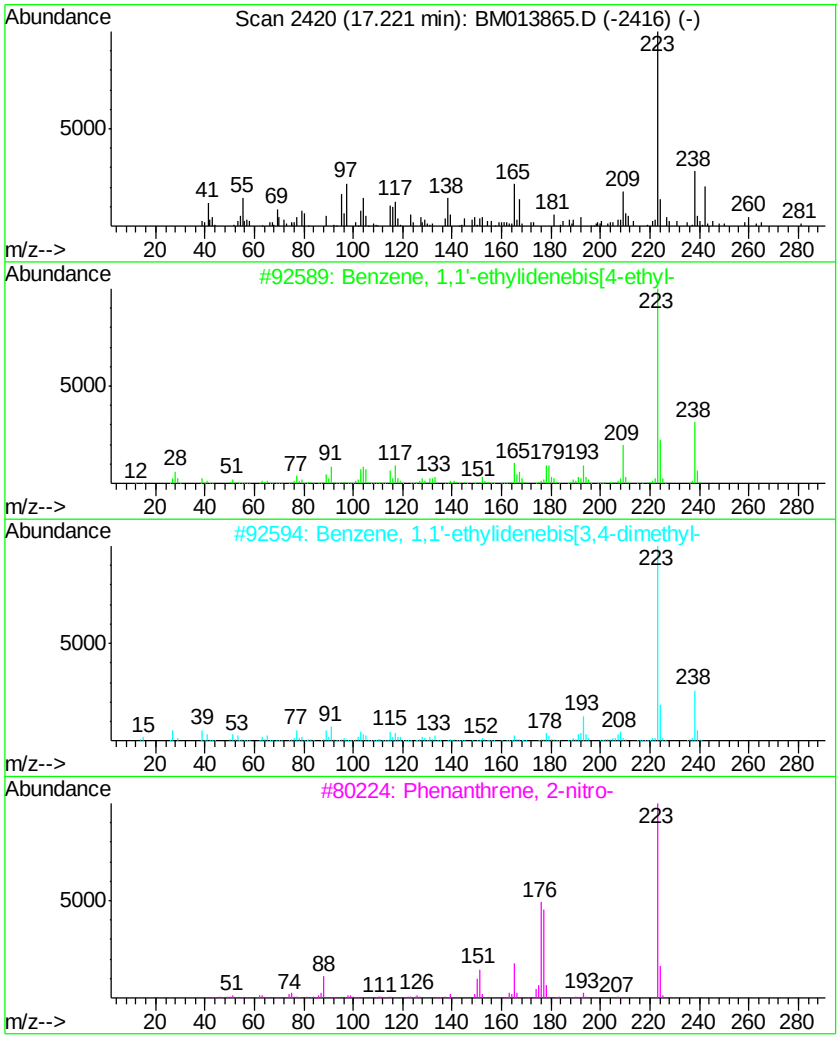
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

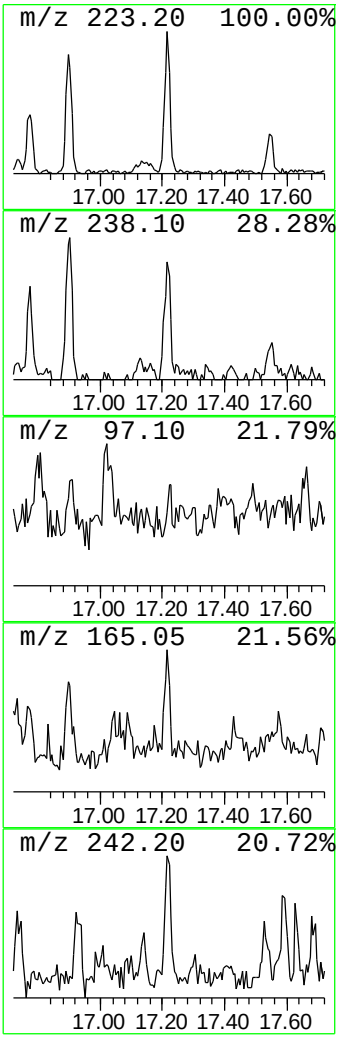
****

Peak Number 13 Benzene, 1,1'-ethylidenebis... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	2.88 ng/ul	248108	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-ethylidenebis[4-et...	238	C18H22	010224-91-6	91
2	Benzene, 1,1'-ethylidenebis[3,4-...	238	C18H22	001742-14-9	58
3	Phenanthrene, 2-nitro-	223	C14H9NO2	017024-18-9	49
4	Thieno[2,3-b]pyridin-3-amine, 4,...	223	C9H9N3O2S	052505-59-6	47
5	1H-Isoindole-1,3(2H)-dione, 2-ph...	223	C14H9NO2	000520-03-6	43





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

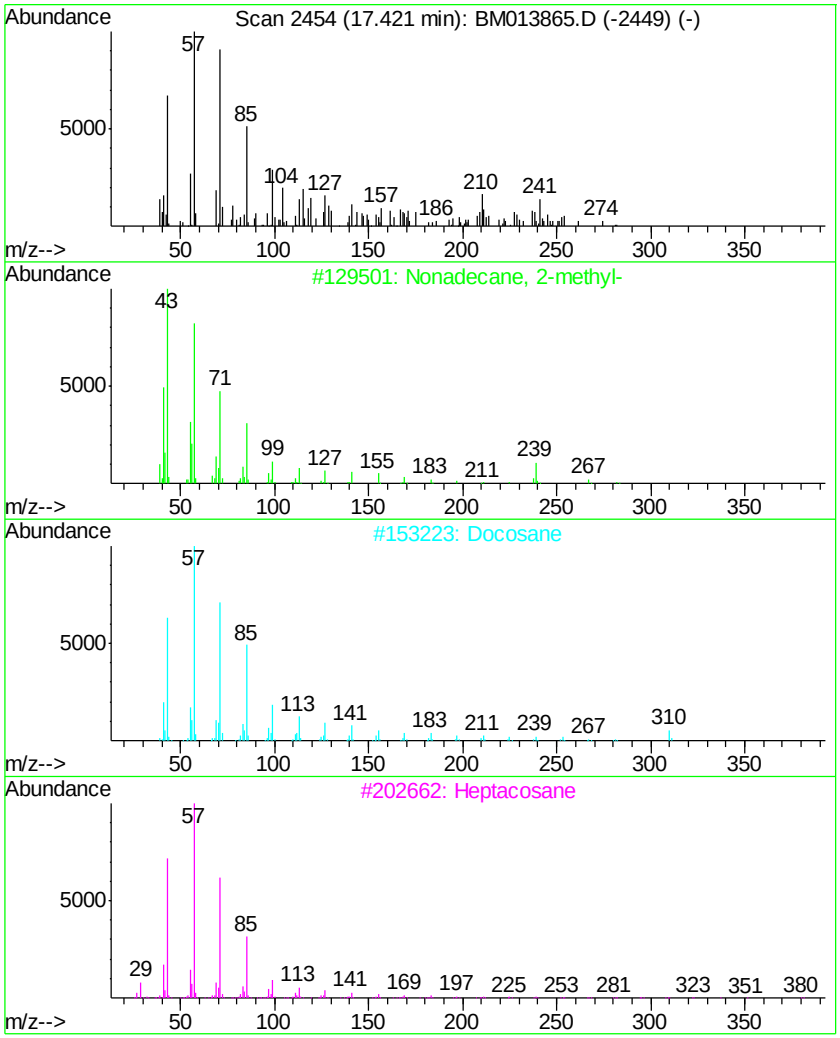
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

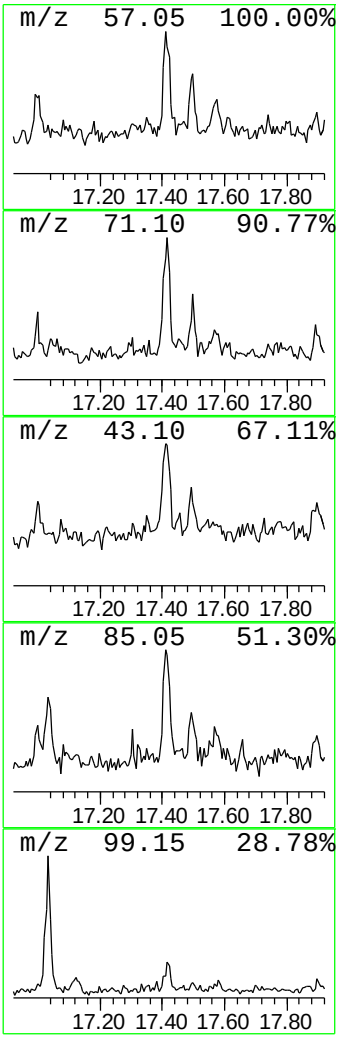
****

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	2.15 ng/ul	185164	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	68
2	Docosane	310	C22H46	000629-97-0	64
3	Heptacosane	380	C27H56	000593-49-7	62
4	Hexacosane	366	C26H54	000630-01-3	62
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	58





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

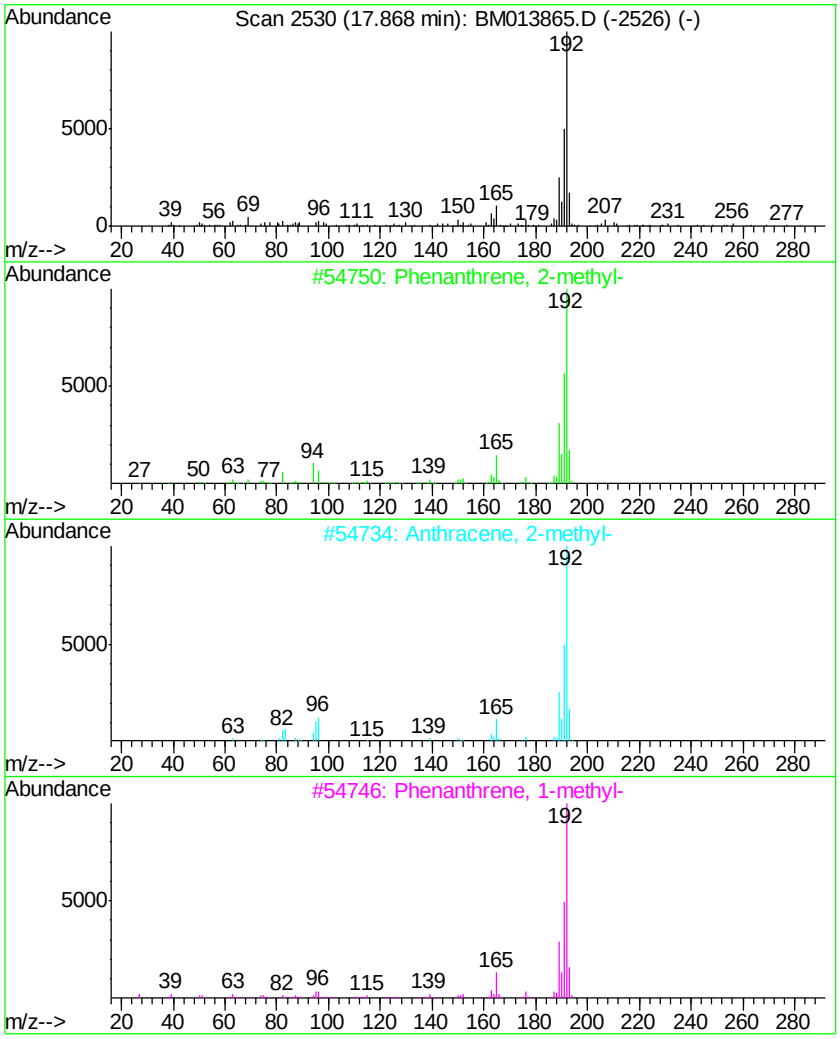
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

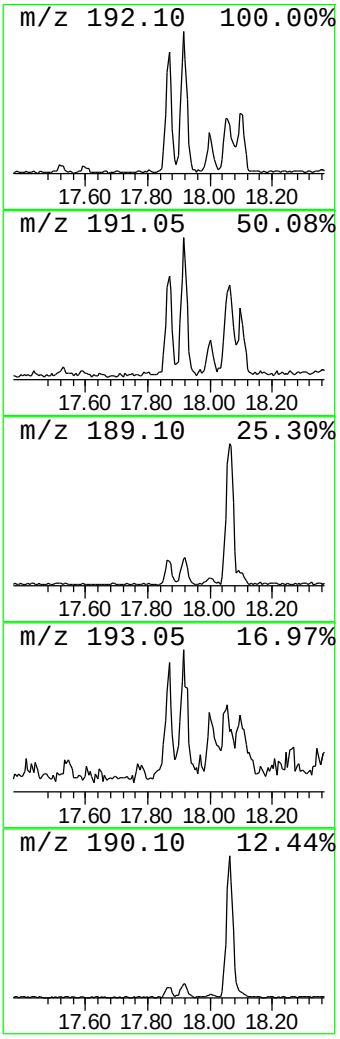
****

Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	2.61 ng/ul	224398	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

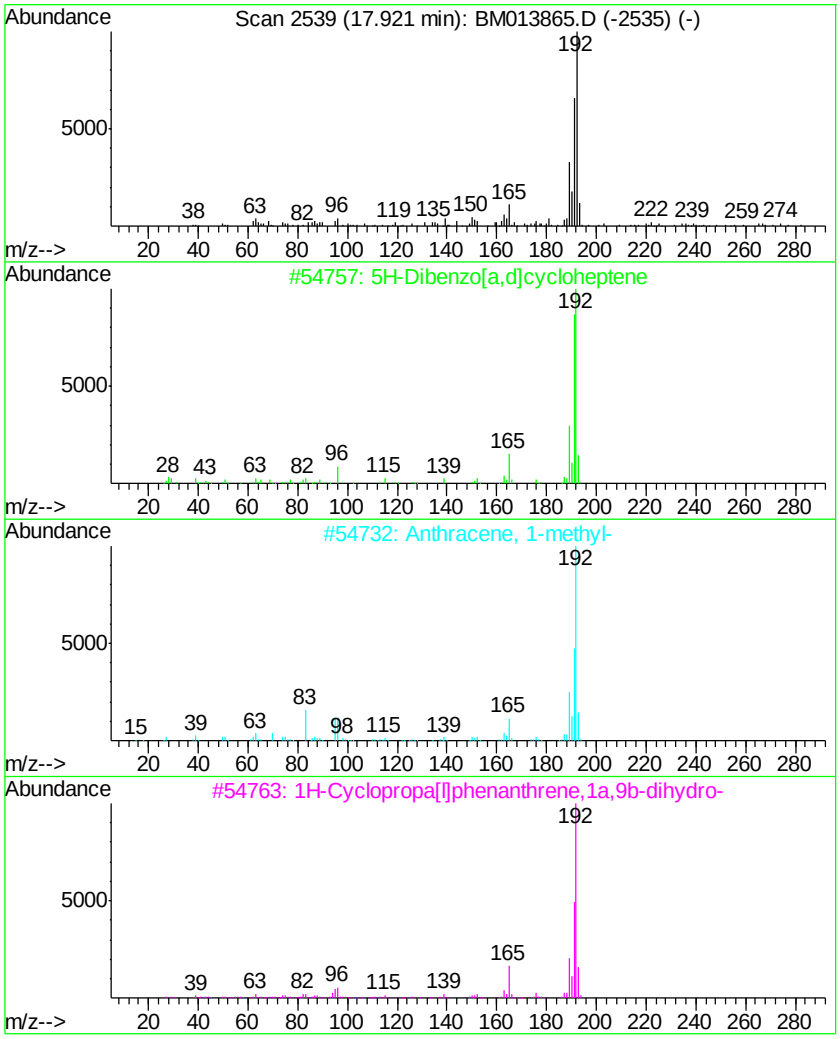
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

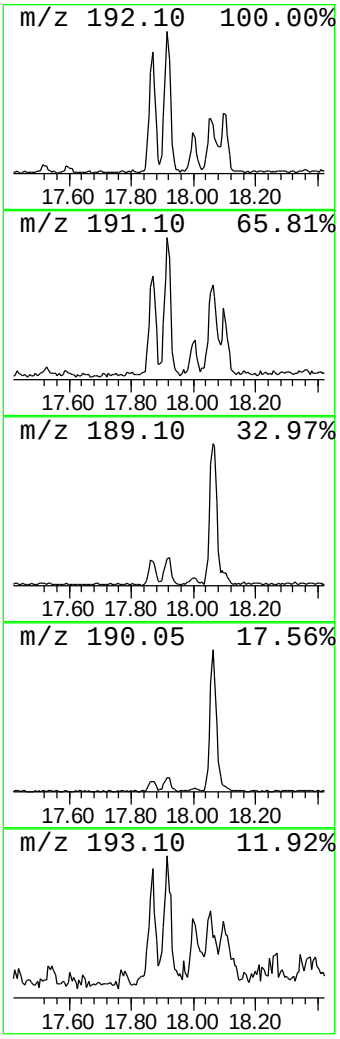
****

Peak Number 16 5H-Dibenzo[a,d]cycloheptene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	4.18 ng/ul	360318	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

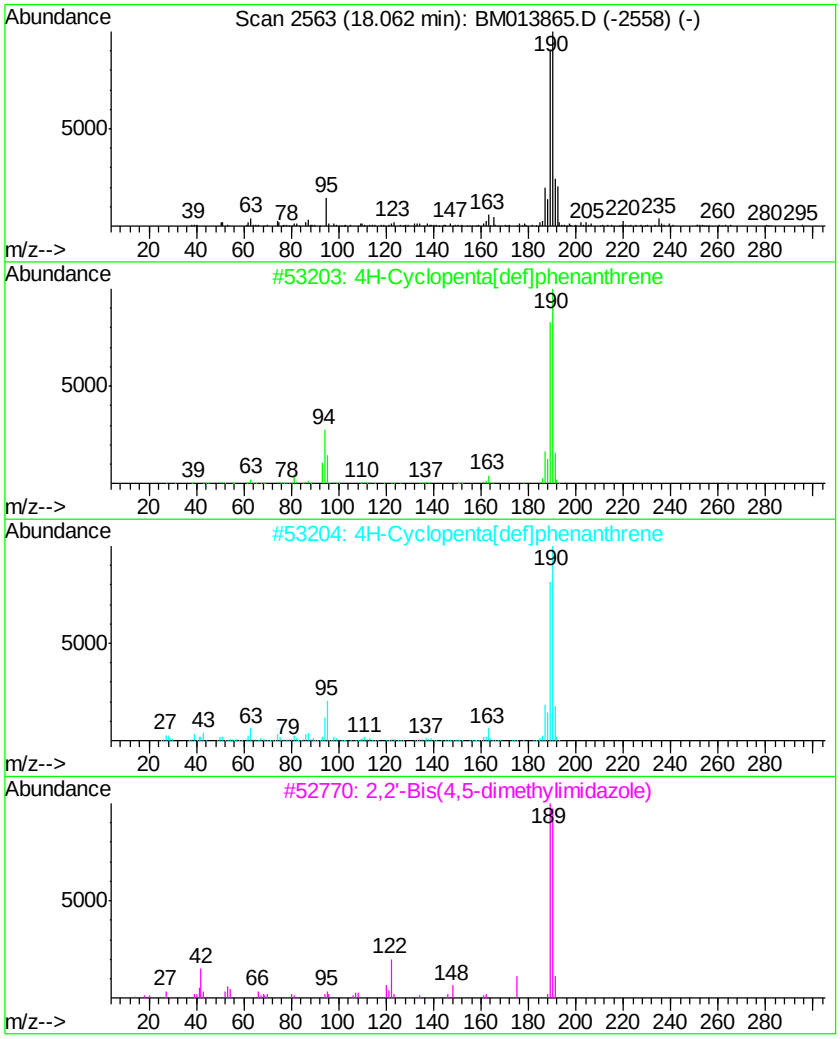
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

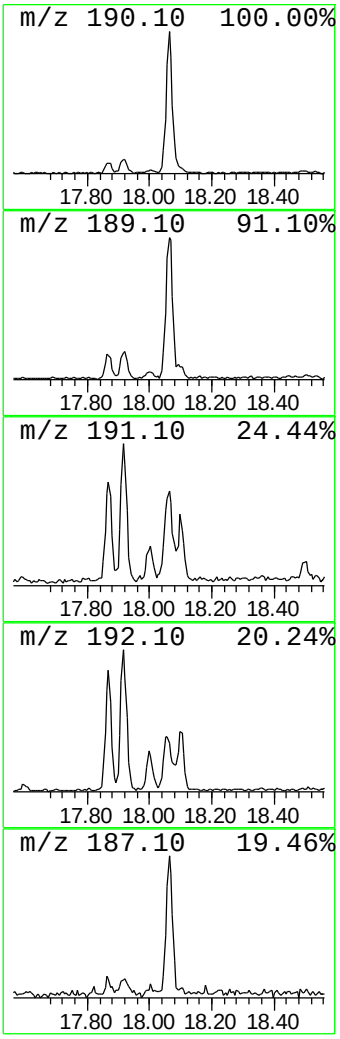
****

Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	6.47 ng/ul	557595	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	53
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
5	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	42





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

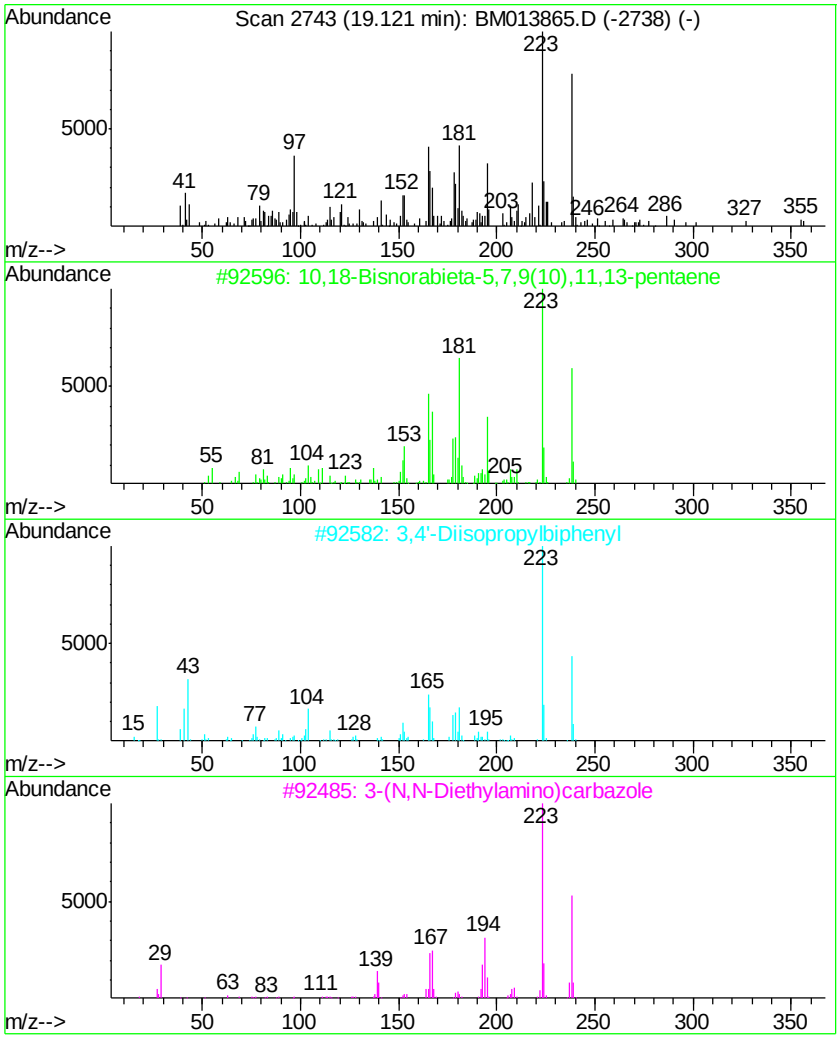
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

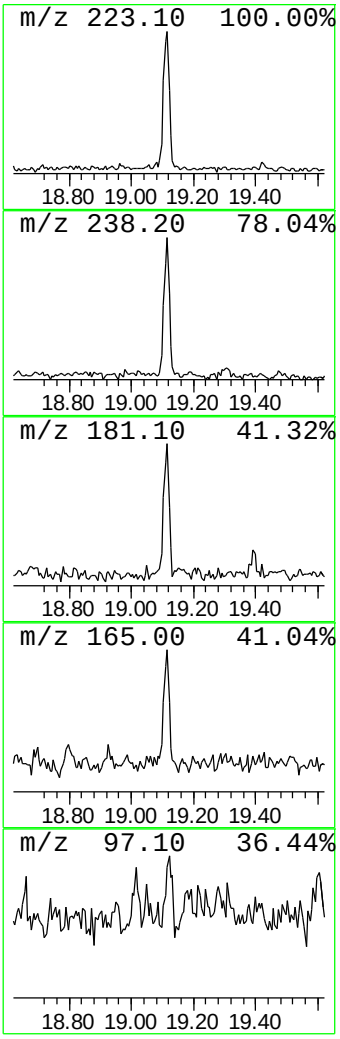
****

Peak Number 18 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	2.52 ng/ul	302038	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	96
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	60
3	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	53
4	syn-Tricyclo[8.4.1.1(4,9)]hexade...	238	C16H14O2	1000158-32-8	50
5	3,3'-Diacetylbiphenyl	238	C16H14O2	094113-07-2	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013865.D
Acq On : 27 Jan 2018 03:48
Operator : SJ/JU
Sample : J1223-13DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A99DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.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
3-Cyclohexyl-1-ch...	11.05	3.6	ng/ul	188287	2	10.36	1043420	20.0
(DEL) Alkane: Str...	11.38	9.6	ng/ul	502733	2	10.36	1043420	20.0
Naphthalene, 1-me...	12.25	7.2	ng/ul	377660	2	10.36	1043420	20.0
(DEL) Alkane: Str...	12.76	4.6	ng/ul	492137	3	14.23	2135250	20.0
Naphthalene, 1,3-...	13.56	2.6	ng/ul	279602	3	14.23	2135250	20.0
unknown-01	15.02	2.3	ng/ul	242289	3	14.23	2135250	20.0
(DEL) Alkane: Str...	15.50	3.9	ng/ul	414149	3	14.23	2135250	20.0
Benzophenone	15.61	8.5	ng/ul	910681	3	14.23	2135250	20.0
(4-Acetylphenyl)p...	15.70	9.7	ng/ul	831388	4	16.99	1722300	20.0
(DEL) Alkane: Str...	15.99	14.4	ng/ul	1237410	4	16.99	1722300	20.0
Dibenzothiophene	16.81	9.0	ng/ul	771417	4	16.99	1722300	20.0
Benzene, 1,1'-eth...	17.22	2.9	ng/ul	248108	4	16.99	1722300	20.0
(DEL) Alkane: Str...	17.42	2.1	ng/ul	185164	4	16.99	1722300	20.0
Phenanthrene, 2-m...	17.87	2.6	ng/ul	224398	4	16.99	1722300	20.0
5H-Dibenzo[a,d]cy...	17.92	4.2	ng/ul	360318	4	16.99	1722300	20.0
4H-Cyclopenta[def...	18.06	6.5	ng/ul	557595	4	16.99	1722300	20.0
10,18-Bisnorabiet...	19.12	2.5	ng/ul	302038	5	21.19	2392910	20.0