LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.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	2.799	15	19	24	rVB2	4677	6866	0.17%	0.025%
2	3.404	115	122	128	rVB	8752	11107	0.28%	0.040%
3	6.792	693	698	707	rVB2	23494	39292	0.99%	0.143%
4	6.939	719	723	730	rBB	17702	26545	0.67%	0.096%
5	7.139	751	757	762	rBB	24759	36295	0.91%	0.132%
6	7.604	827	836	844	rBV	281590	433588	10.88%	1.573%
7	7.969	893	898	905	rBB	18545	27501	0.69%	0.100%
8	8.133	921	926	934	rBV2	9729	17195	0.43%	0.062%
9	8.328	952	959	965	rBV	31827	48142	1.21%	0.175%
10	8.428	969	976	982	rBB	5909	9922	0.25%	0.036%
11	8.763	1027	1033	1041	rBV	22103	36254	0.91%	0.132%
12	9.486	1150	1156	1161	rBV	15922	24122	0.61%	0.088%
13	9.786	1203	1207	1210	rBV2	4849	7185	0.18%	0.026%
14	10.033	1244	1249	1255	rBV	32535	50023	1.26%	0.182%
15	10.392	1304	1310	1315	rBV	384458	666944	16.74%	2.420%
16	10.445	1315	1319	1326	rVB	446834	694441	17.43%	2.520%
17	10.563	1333	1339	1345	rVB	21027	32014	0.80%	0.116%
18	11.963	1571	1577	1581	rVB	5169	7873	0.20%	0.029%
19	12.069	1588	1595	1604	rBV	498979	782787	19.64%	2.841%
20	12.192	1611	1616	1621	rBV2	25247	37549	0.94%	0.136%
21	12.292	1621	1633	1640	rBV	249197	390491	9.80%	1.417%
22	13.092	1763	1769	1777	rBV	124867	185877	4.66%	0.675%
23	13.292	1798	1803	1815	rVB	62365	99803	2.50%	0.362%
24	13.427	1817	1826	1827	rBV	79209	108411	2.72%	0.393%
25	13.586	1845	1853	1858	rBV2	125407	226763	5.69%	0.823%
26	13.639	1858	1862	1866	rVV	80079	119109	2.99%	0.432%
27	13.680	1866	1869	1873	rVV	64160	83390	2.09%	0.303%
28	13.727	1873	1877	1883	rVB	19122	27202	0.68%	0.099%
29	13.827	1883	1894	1897	rBV2	50254	83810	2.10%	0.304%
30	13.857	1897	1899	1903	rVV2	15907	19635	0.49%	0.071%
31	13.963	1911	1917	1920	rVV	70796	106245	2.67%	0.386%
32	13.992	1920	1922	1927	rVB	39958	47847	1.20%	0.174%
33	14.163	1946	1951	1956	rBV	6655	9273	0.23%	0.034%
34	14.274	1960	1970	1975	rBV3	602306	1014982	25.47%	3.683%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Title : SVOA CALIBRATION

35	14.339	1975	1981	1989	rVB	834482	1229320	30.85%	4.461%
36	14.410	1989	1993	1999	rVB	23209	30849	0.77%	0.112%
37	14.480	1999	2005	2008	rBV	21244	41304	1.04%	0.150%
38	14.515	2008	2011	2017	rVV3	19430	31145	0.78%	0.113%
39	14.580	2017	2022	2028	rVB2	30047	46923	1.18%	0.170%
40	14.674	2031	2038	2046	rVB	583789	822296	20.64%	2.984%
41	14.751	2046	2051	2055	rBV	30917	40595	1.02%	0.147%
42	14.892	2069	2075	2080	rBV2	25555	42424	1.06%	0.154%
43	14.945	2080	2084	2094	rVB	29559	42863	1.08%	0.156%
44	15.062	2094	2104	2107	rBV2	22909	46037	1.16%	0.167%
45	15.104	2107	2111	2112	rBV2	7605	9568	0.24%	0.035%
46	15.204	2124	2128	2131	rBV2	10416	14293	0.36%	0.052%
47	15.268	2131	2139	2143	rVV2	97976	155341	3.90%	0.564%
48	15.327	2143	2149	2159	rVB	857107	1203951	30.21%	4.369%
49	15.421	2159	2165	2167	rBV	36032	57689	1.45%	0.209%
50	15.451	2167	2170	2172	rVV	56956	72085	1.81%	0.262%
51	15.486	2172	2176	2180	rVB	108301	148087	3.72%	0.537%
52	15.533	2180	2184	2187	rBV4	22193	32277	0.81%	0.117%
53	15.574	2187	2191	2194	rVB	45167	53513	1.34%	0.194%
54	15.615	2194	2198	2205	rVB	131360	192058	4.82%	0.697%
55	15.768	2213	2224	2231	rBV	130498	270816	6.80%	0.983%
56	15.833	2231	2235	2236	rBV3	13073	15025	0.38%	0.055%
57	15.857	2236	2239	2245	rVB	24529	36129	0.91%	0.131%
58	15.980	2255	2260	2262	rBV2	34041	53156	1.33%	0.193%
59	16.115	2275	2283	2289	rBV3	44996	82706	2.08%	0.300%
60	16.227	2294	2302	2307	rVV7	16424	40964	1.03%	0.149%
61	16.327	2307	2319	2324	rVV3	99478	232908	5.85%	0.845%
62	16.380	2324	2328	2333	rVV2	47008	74888	1.88%	0.272%
63	16.421	2333	2335	2338	rVV3	15414	22433	0.56%	0.081%
64	16.480	2338	2345	2349	rVV2	42550	77739	1.95%	0.282%
65	16.527	2350	2353	2355	rVV3	23174	28406	0.71%	0.103%
66	16.556	2355	2358	2361	rVV2	42055	65502	1.64%	0.238%
67	16.598	2361	2365	2368	rVV2	49756	80845	2.03%	0.293%
68	16.627	2368	2370	2372	rVV	18518	22570	0.57%	0.082%
69	16.680	2375	2379	2386	rVV2	54773	91170	2.29%	0.331%
70	16.774	2386	2395	2399	rVV4	49670	130134	3.27%	0.472%
71	16.845	2399	2407	2416	rVB	195243	322767	8.10%	1.171%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Title : SVOA CALIBRATION

72	17.027	2432	2438	2441	rBV	748794	1122067	28.16%	4.072%
73	17.074	2441	2446	2451	rVV	2826439	3984678	100.00%	14.460%
74	17.121	2451	2454	2457	rVV2	123376	182384	4.58%	0.662%
75	17.156	2457	2460	2465	rVV	275798	354751	8.90%	1.287%
76	17.215	2465	2470	2475	rVB2	42327	80533	2.02%	0.292%
77	17.292	2480	2483	2487	rVV4	13032	18865	0.47%	0.068%
78	17.433	2501	2507	2515	rBV	120182	199799	5.01%	0.725%
79	17.539	2522	2525	2531	rBV2	38668	51007	1.28%	0.185%
80	17.603	2532	2536	2545	rVB4	36572	81166	2.04%	0.295%
81	17.739	2556	2559	2565	rVB3	19996	28540	0.72%	0.104%
82	17.898	2581	2586	2590	rBV	174730	245188	6.15%	0.890%
83	17.945	2590	2594	2599	rVB	227092	313454	7.87%	1.138%
84	18.027	2604	2608	2613	rBV	76714	105821	2.66%	0.384%
85	18.098	2614	2620	2624	rBV2	321049	548100	13.76%	1.989%
86	18.403	2668	2672	2676	rVB	134232	173269	4.35%	0.629%
87	18.650	2710	2714	2718	rBV3	43473	59931	1.50%	0.217%
88	18.821	2740	2743	2749	rBV2	36533	65078	1.63%	0.236%
89	19.092	2784	2789	2794	rBV	1477455	2005980	50.34%	7.280%
90	19.139	2794	2797	2803	rVB2	182141	250354	6.28%	0.909%
91	19.427	2842	2846	2848	rBV3	336584	484175	12.15%	1.757%
92	19.456	2848	2851	2860	rVB	875466	1236839	31.04%	4.488%
93	19.956	2933	2936	2940	rVB	141823	172814	4.34%	0.627%
94	20.056	2949	2953	2957	rBV	184382	247933	6.22%	0.900%
95	21.227	3146	3152	3156	rBV2	920525	1486250	37.30%	5.394%
96	21.362	3172	3175	3178	rBV	256893	346098	8.69%	1.256%
97	21.786	3245	3247	3256	rVB	401962	465886	11.69%	1.691%
98	22.238	3321	3324	3331	rVB	422970	546147	13.71%	1.982%
99	22.733	3405	3408	3412	rVB	435652	570689	14.32%	2.071%
100	23.438	3525	3528	3534	rVB2	435096	649063	16.29%	2.355%

Sum of corrected areas: 27556118

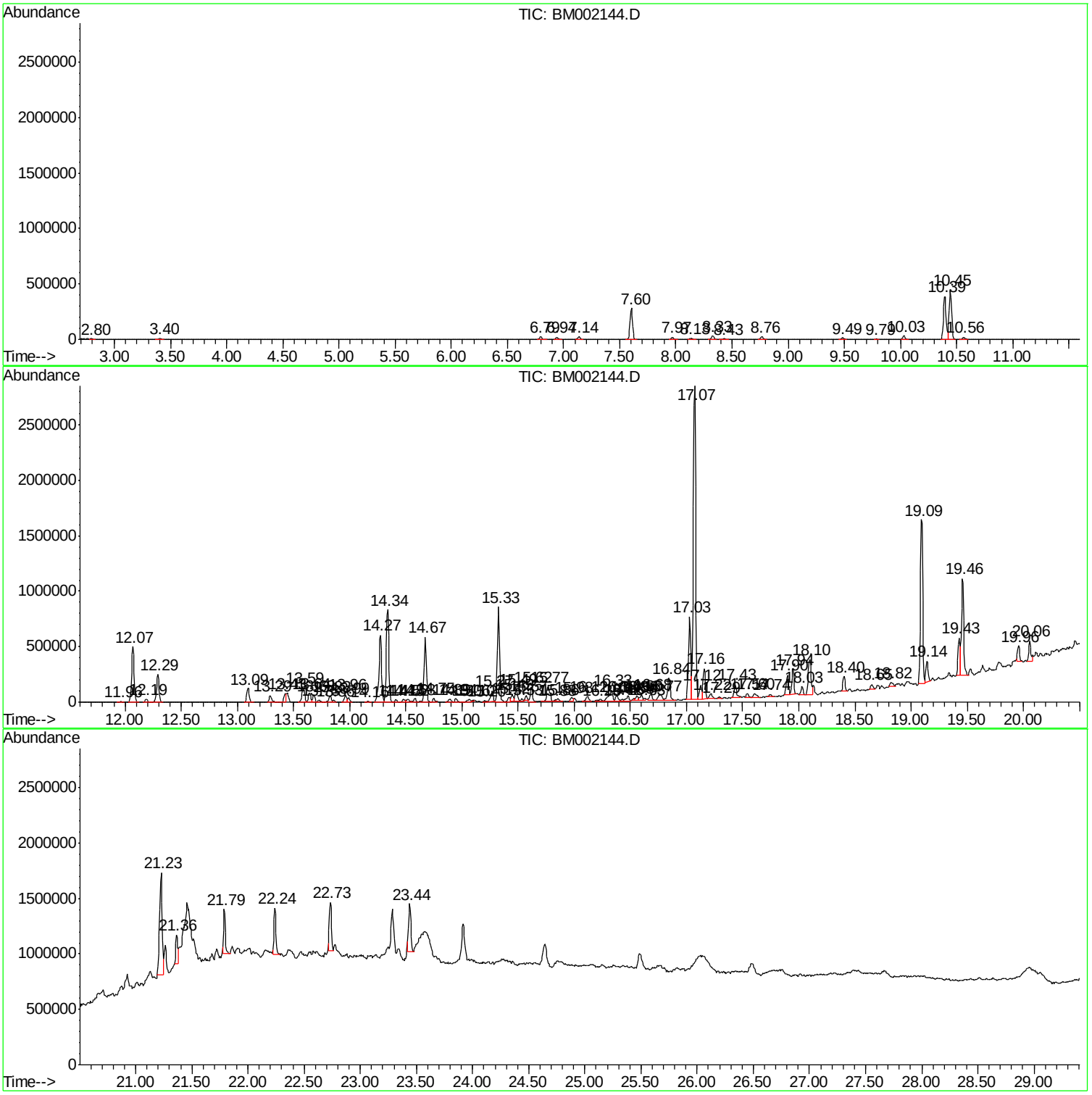
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02D9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

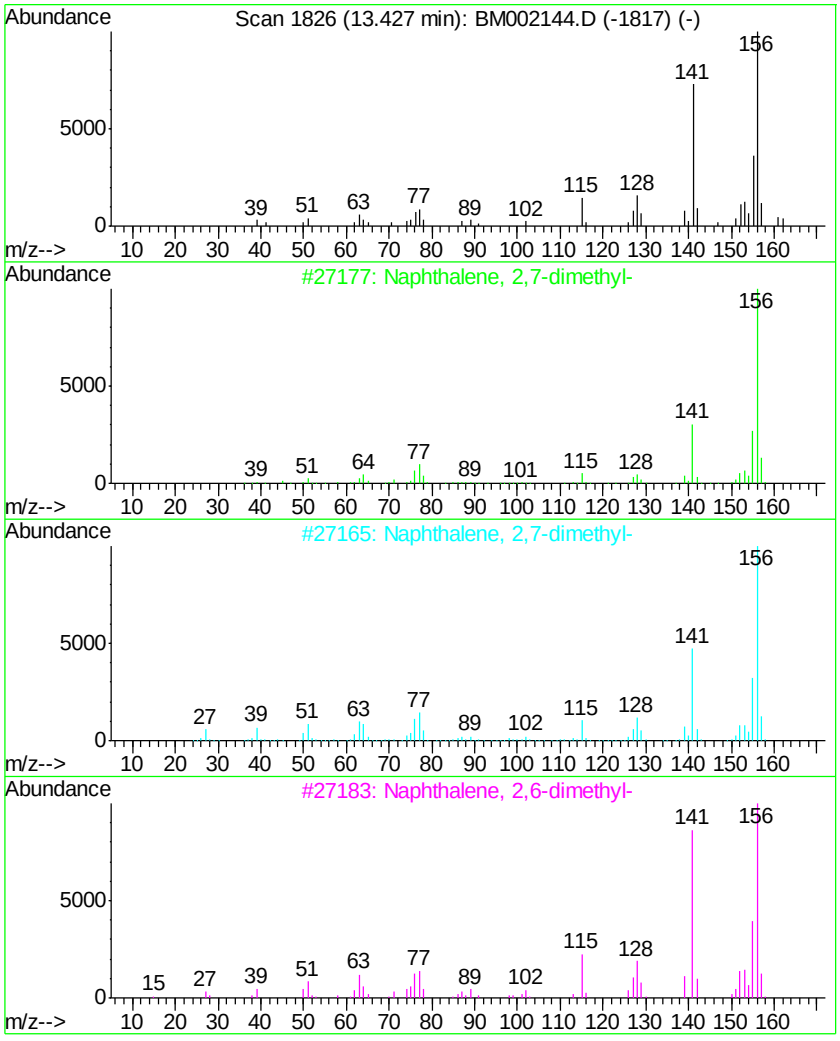
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

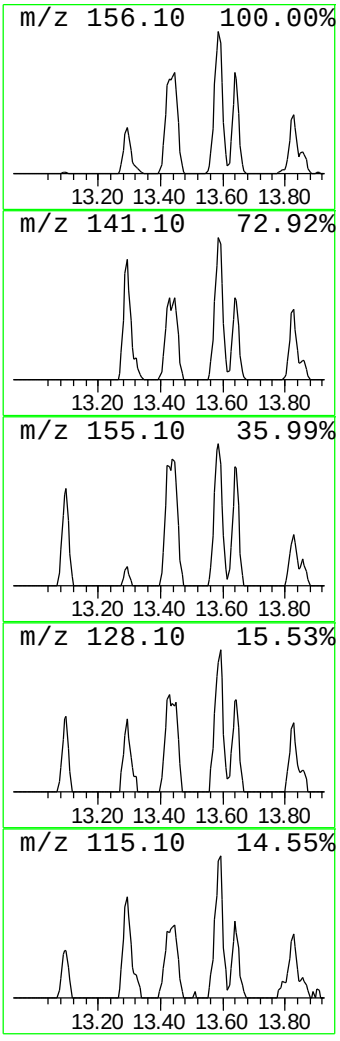
****

Peak Number 1 Naphthalene, 2,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	2.14 ng/ul	108411	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

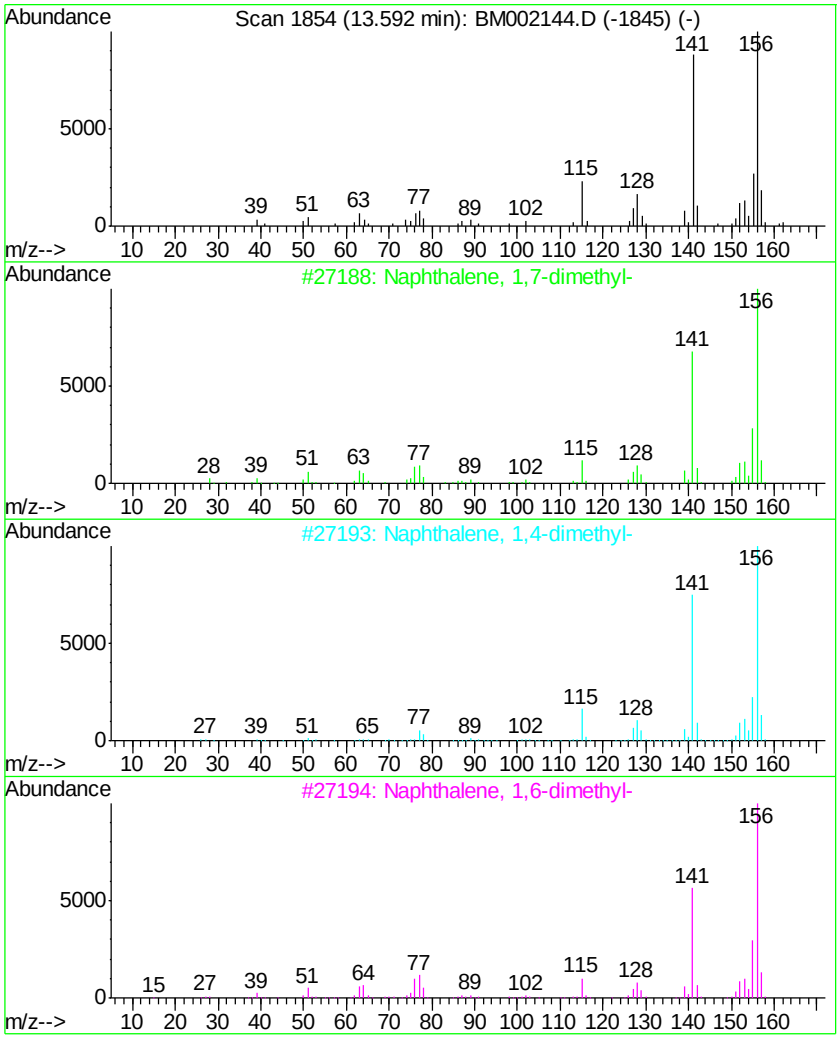
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

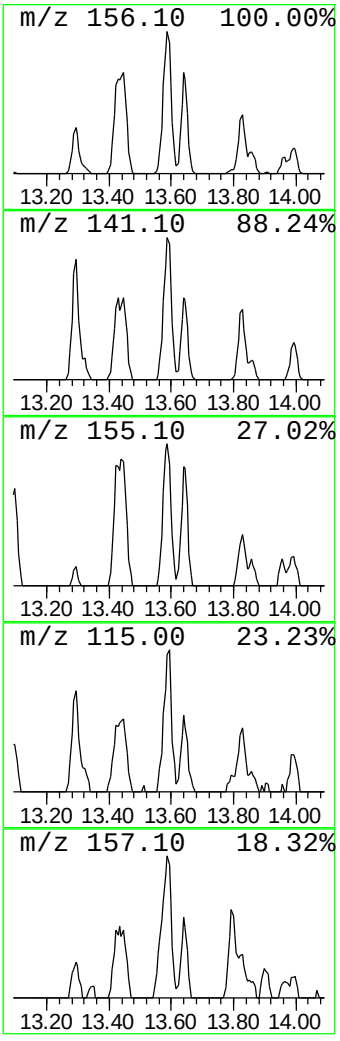
****

Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	4.47 ng/ul	226763	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

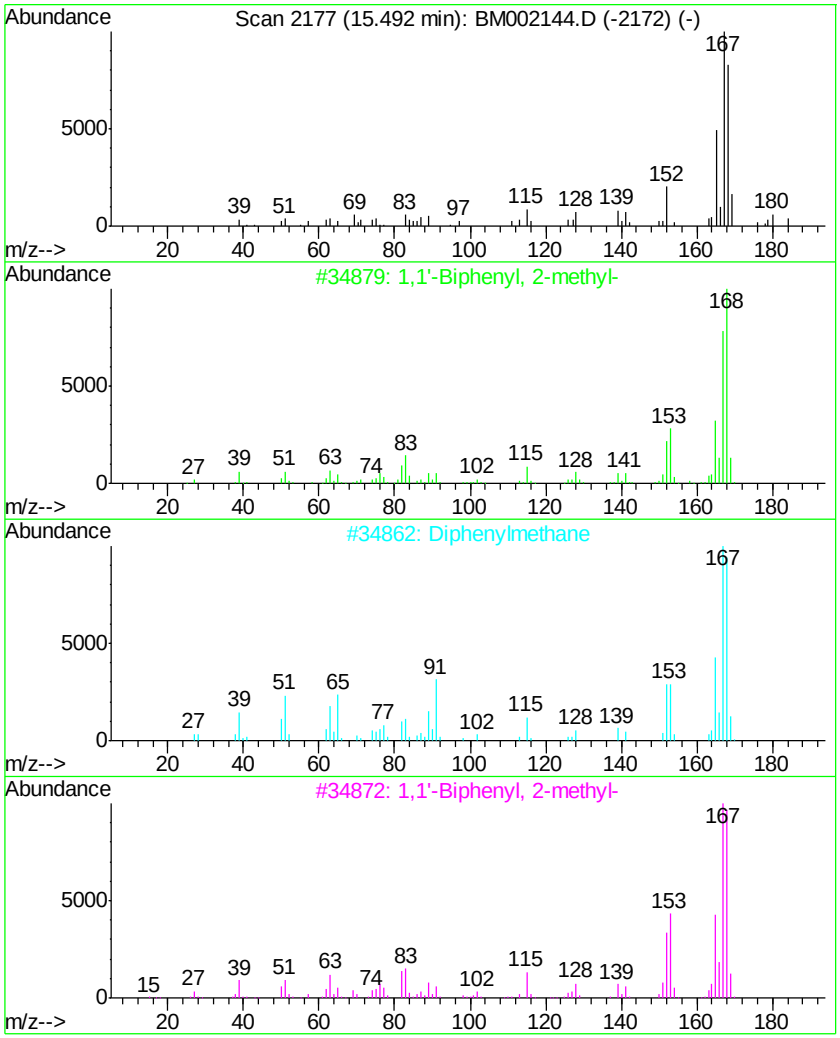
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

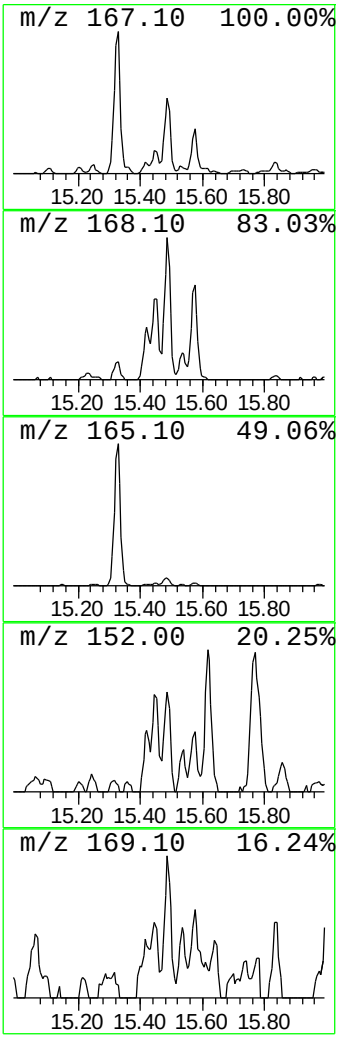
****

Peak Number 3 1,1'-Biphenyl, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	2.92 ng/ul	148087	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	89
2	Diphenylmethane	168	C13H12	000101-81-5	76
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

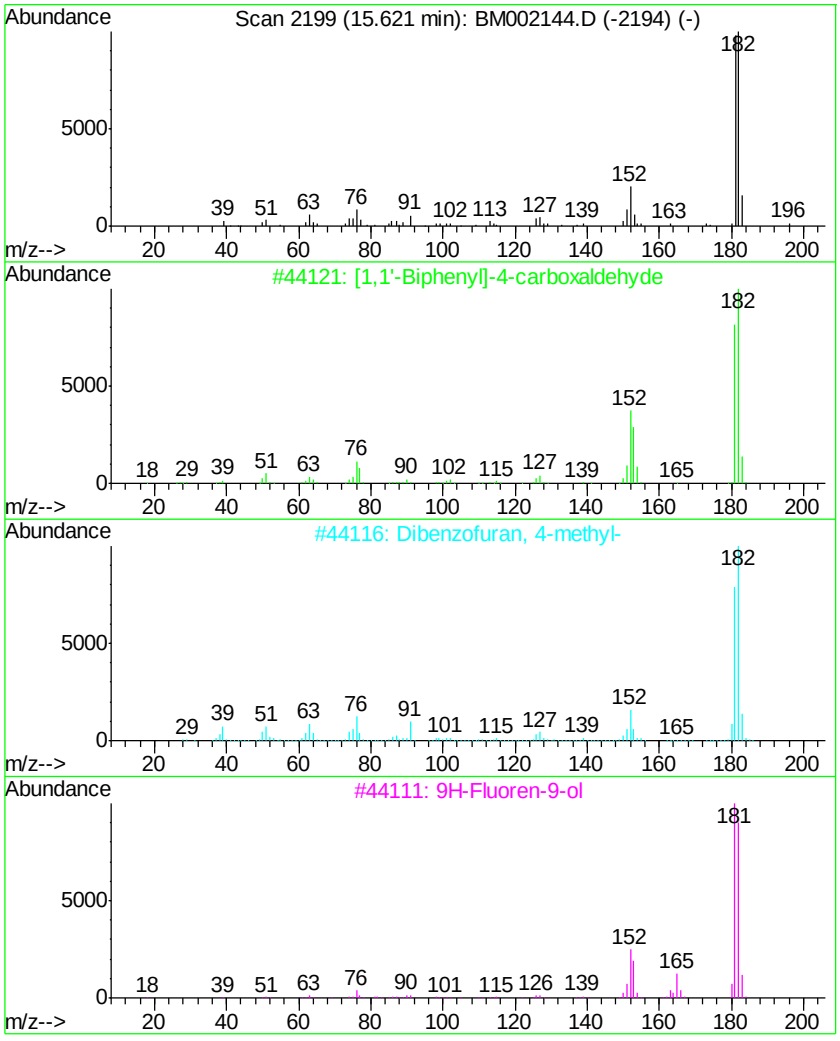
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

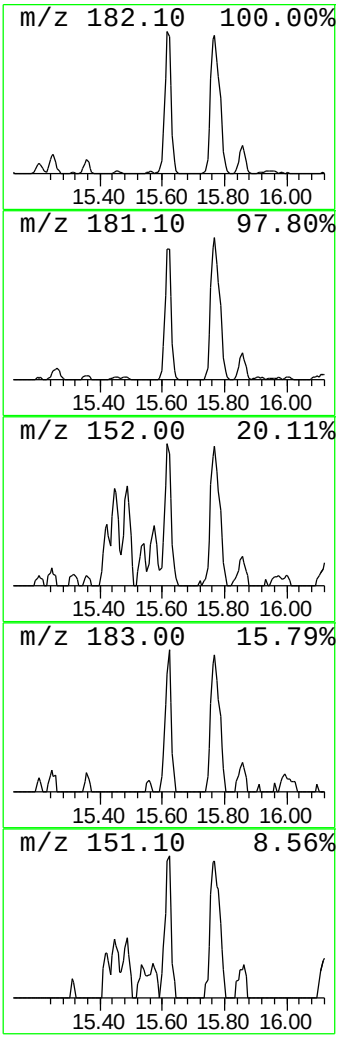
****

Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	3.78 ng/ul	192058	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

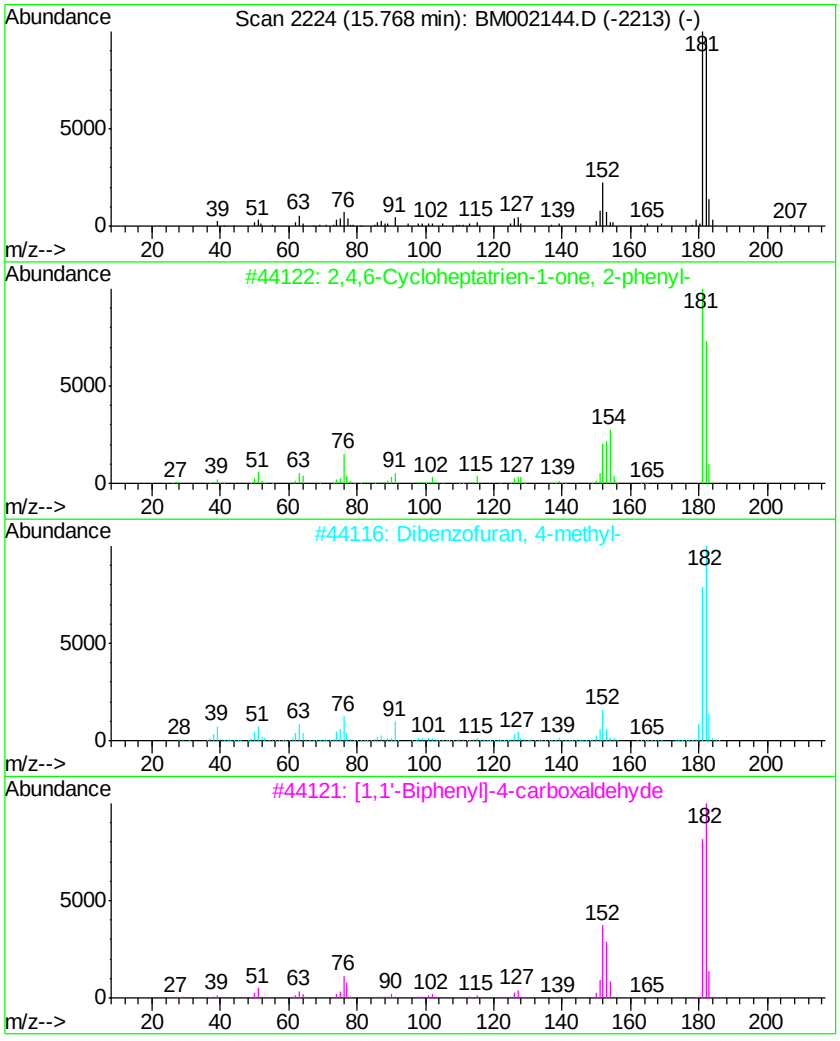
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

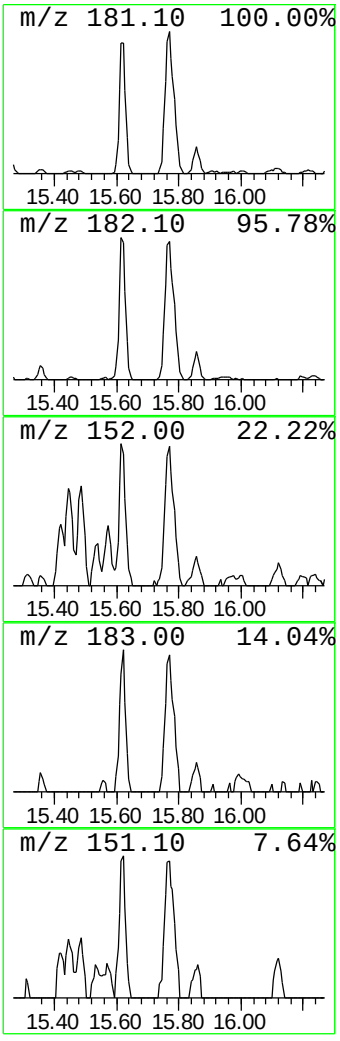
****

Peak Number 5 2,4,6-Cycloheptatrien-1-one... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	4.83 ng/ul	270816	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

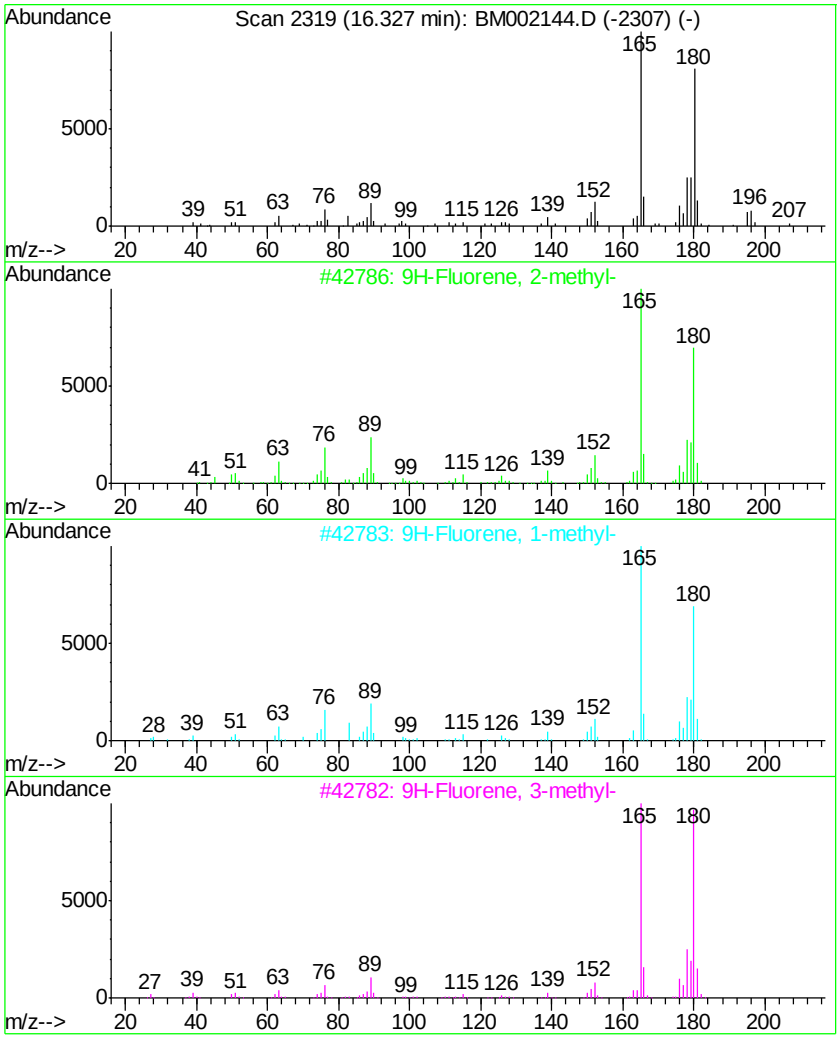
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

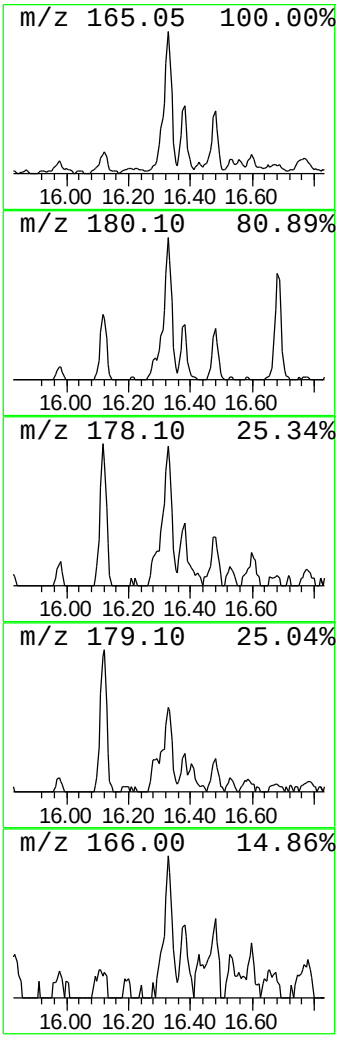
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	4.15 ng/ul	232908	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

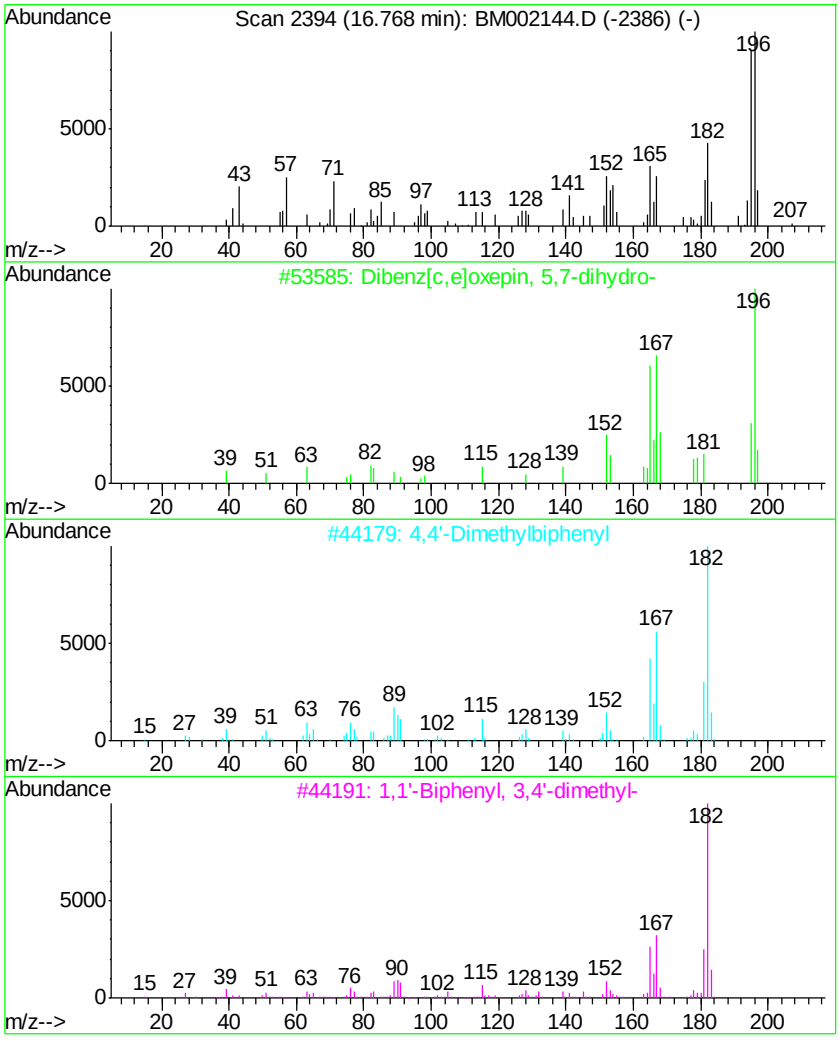
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

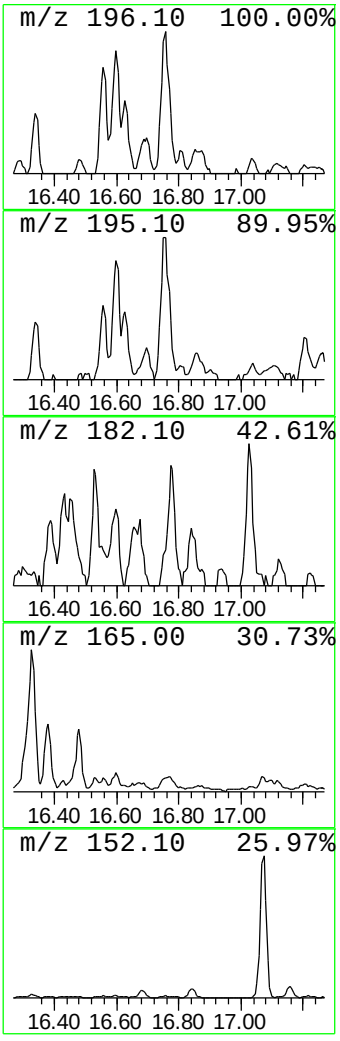
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Dibenz[c,e]oxepin, 5,7-dihy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	2.32 ng/ul	130134	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	50
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46
3	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	46
4	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	41
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

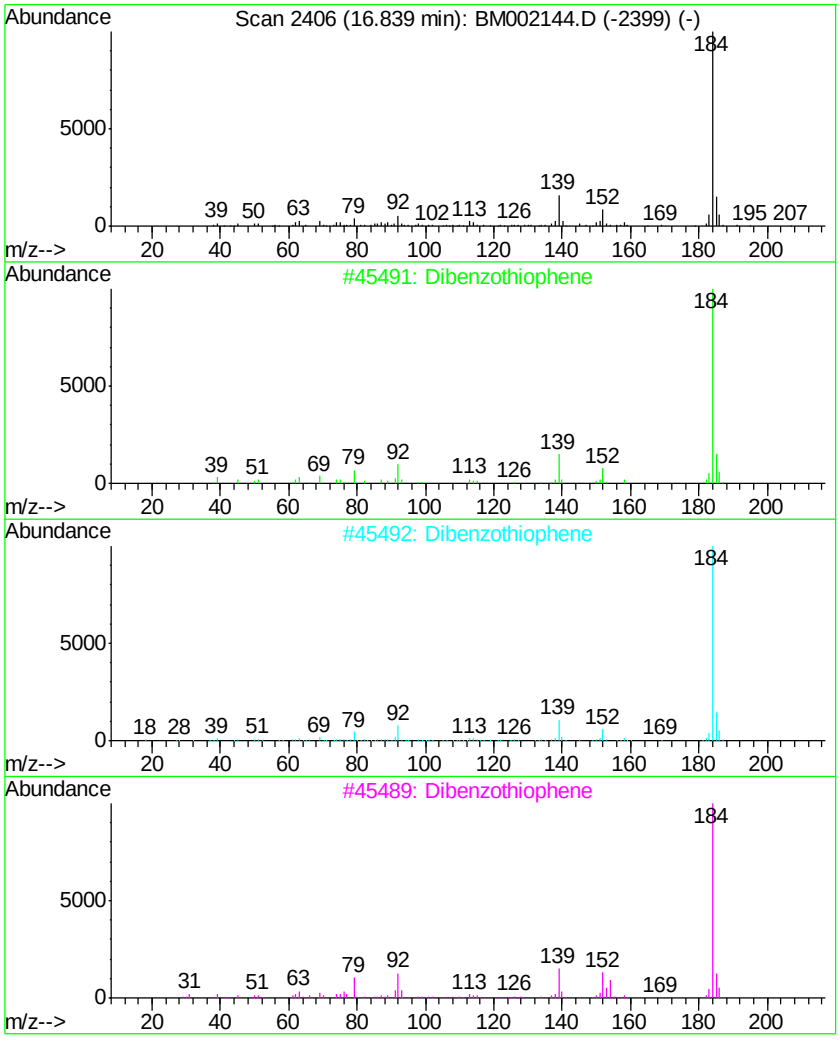
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

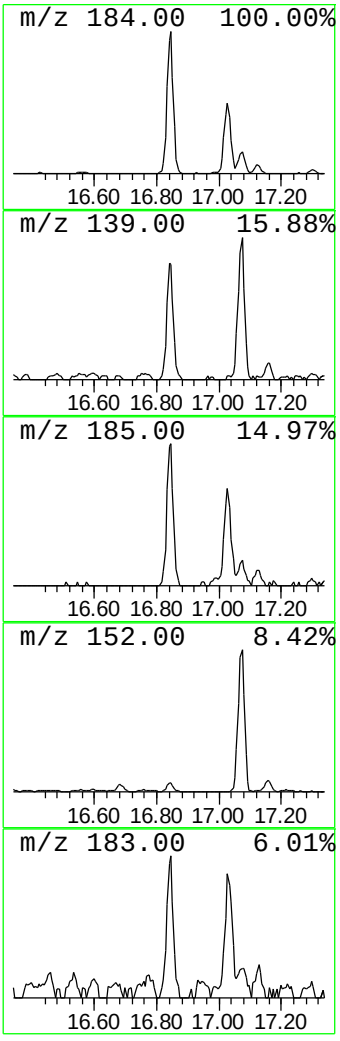
****

Peak Number 8 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	5.75 ng/ul	322767	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

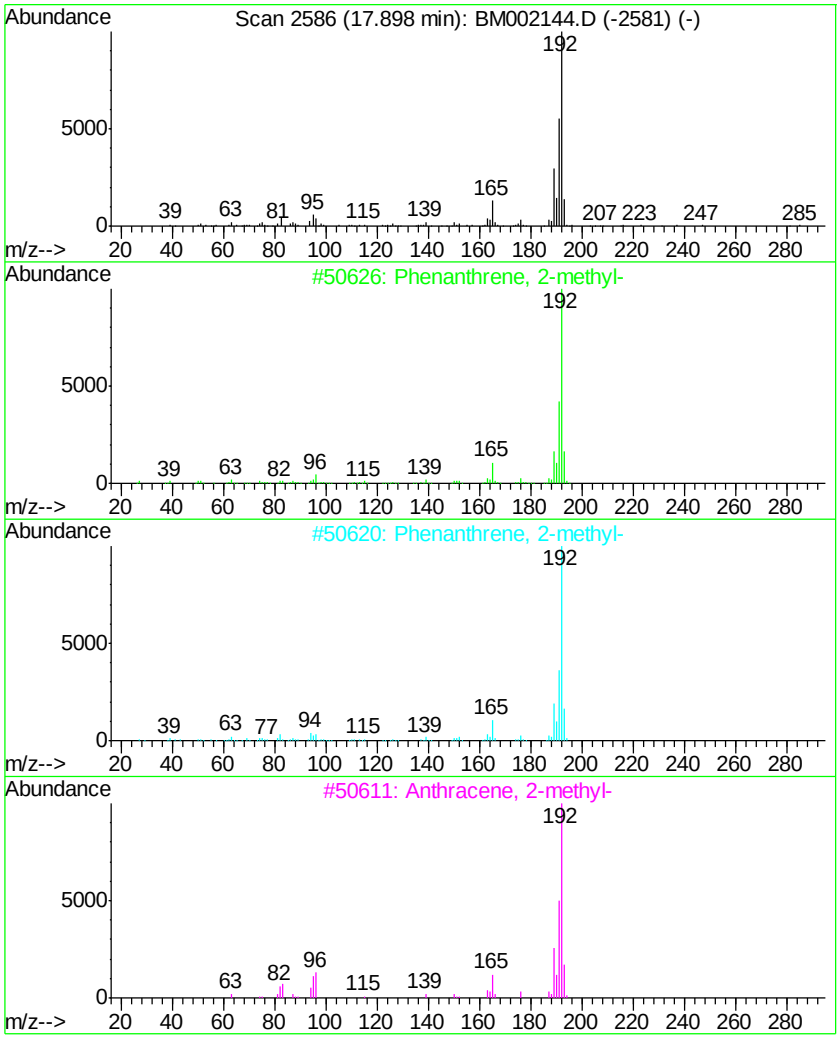
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

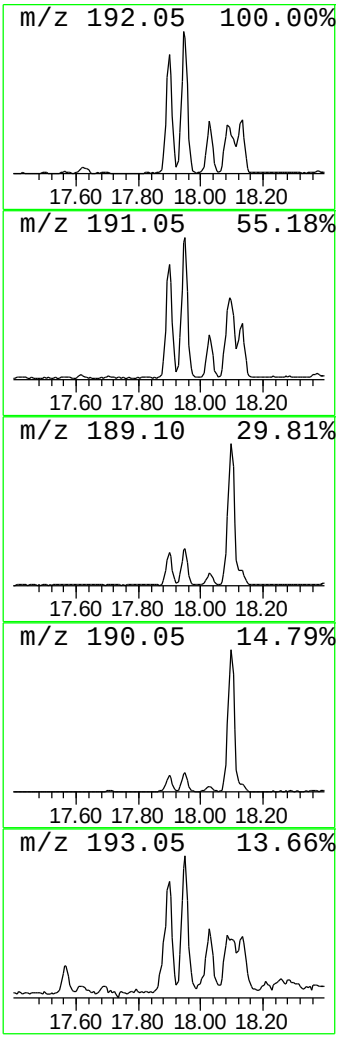
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	4.37 ng/ul	245188	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

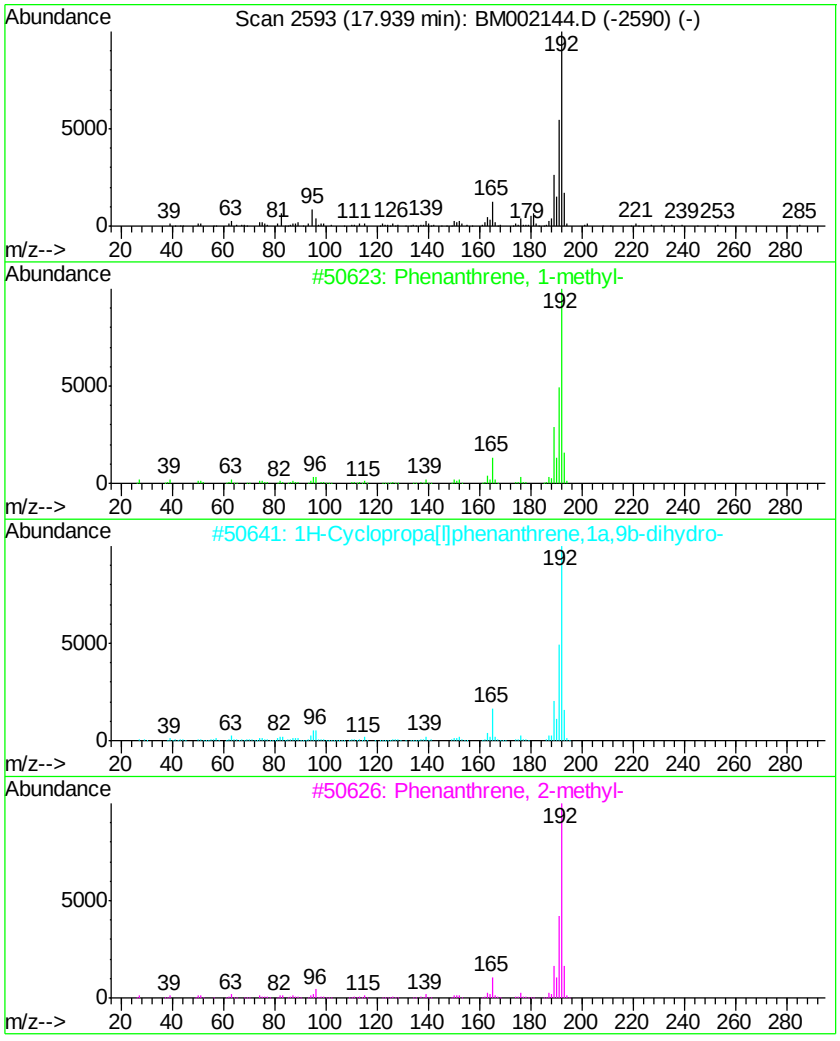
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

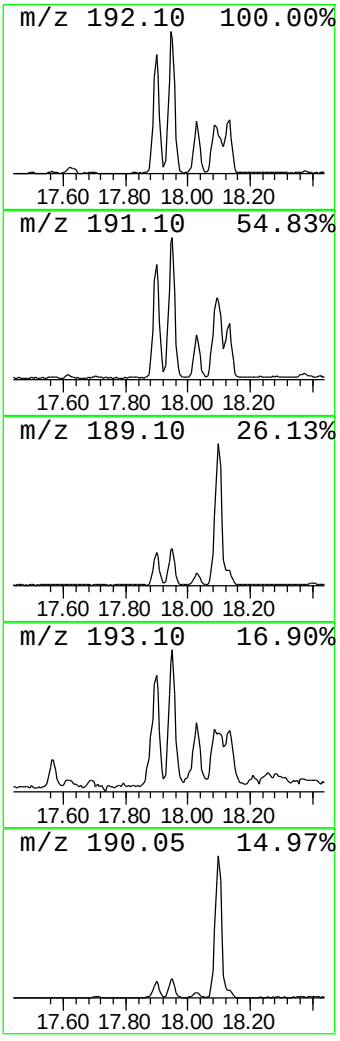
****

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	5.59 ng/ul	313454	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

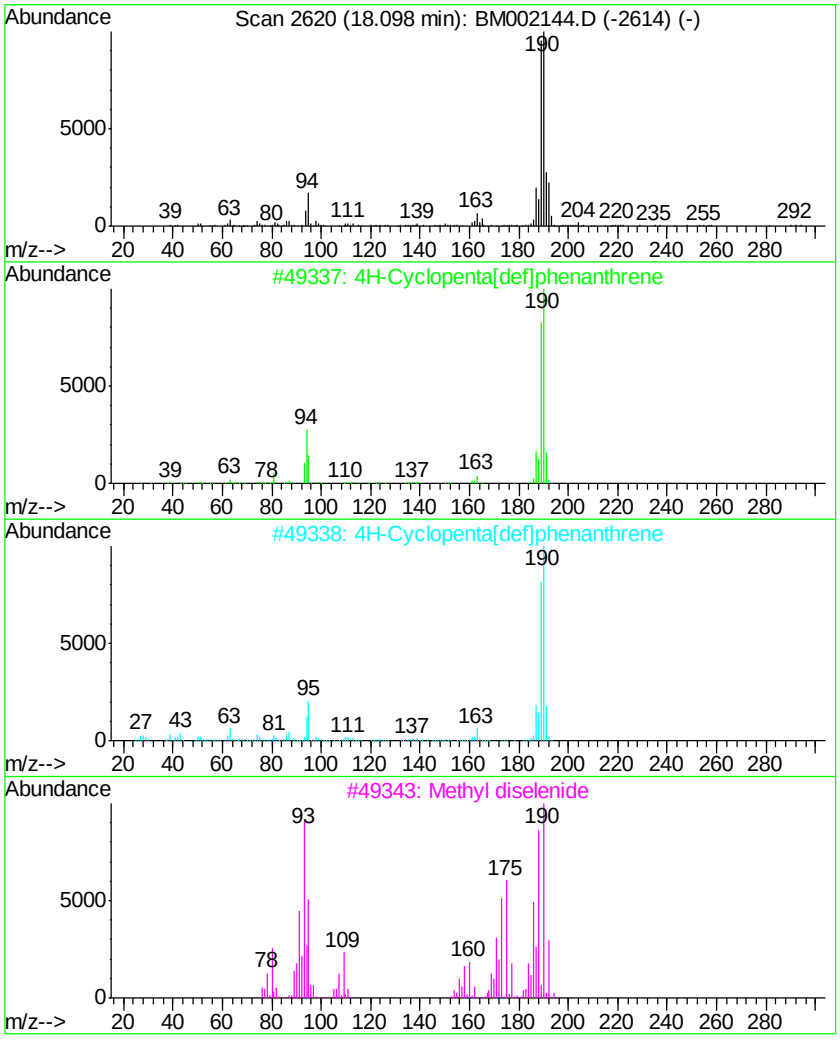
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

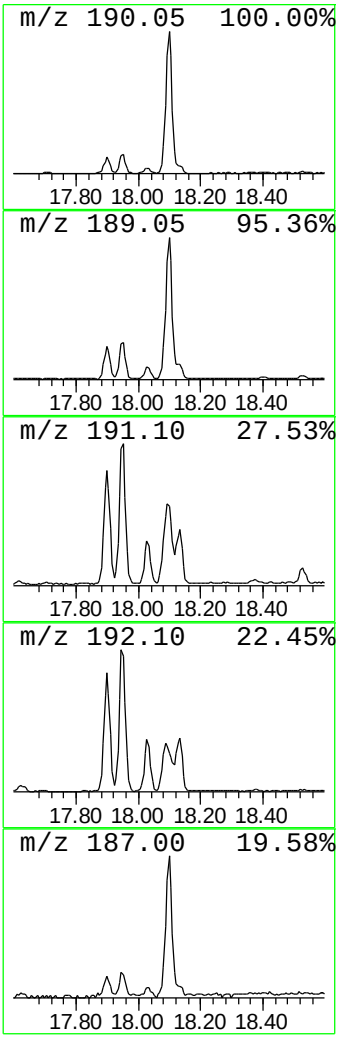
****

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	9.77 ng/ul	548100	Phenanthrene-d10	17.03

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	62
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

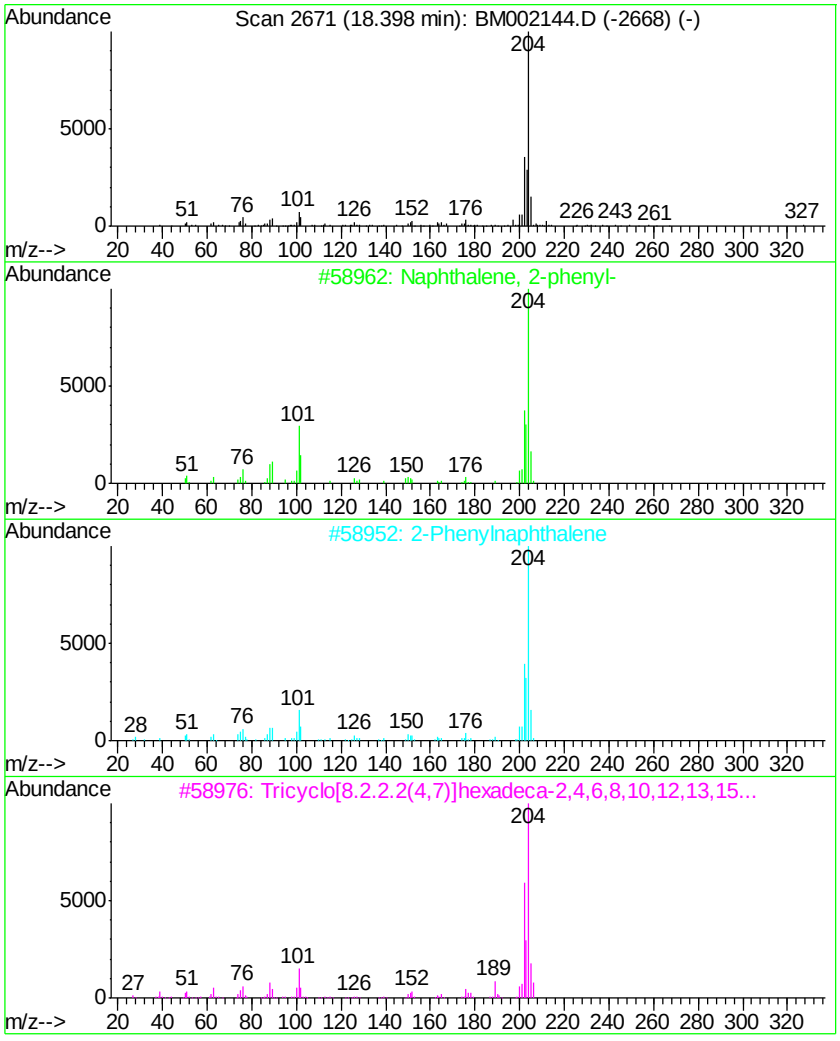
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

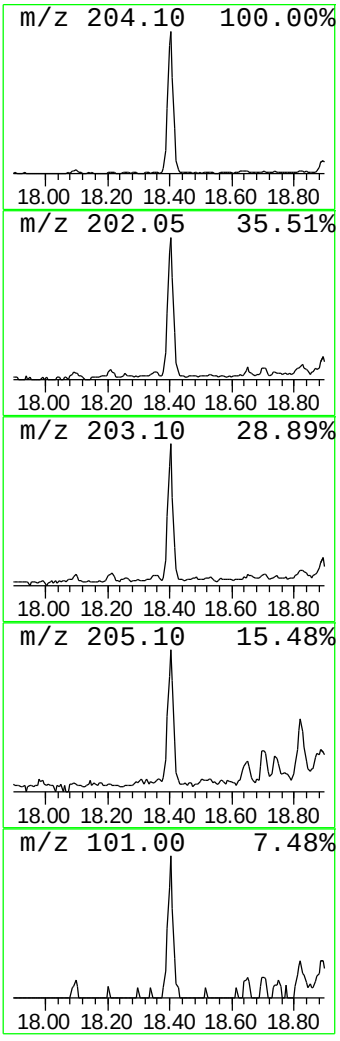
****

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	3.09 ng/ul	173269	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	89
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

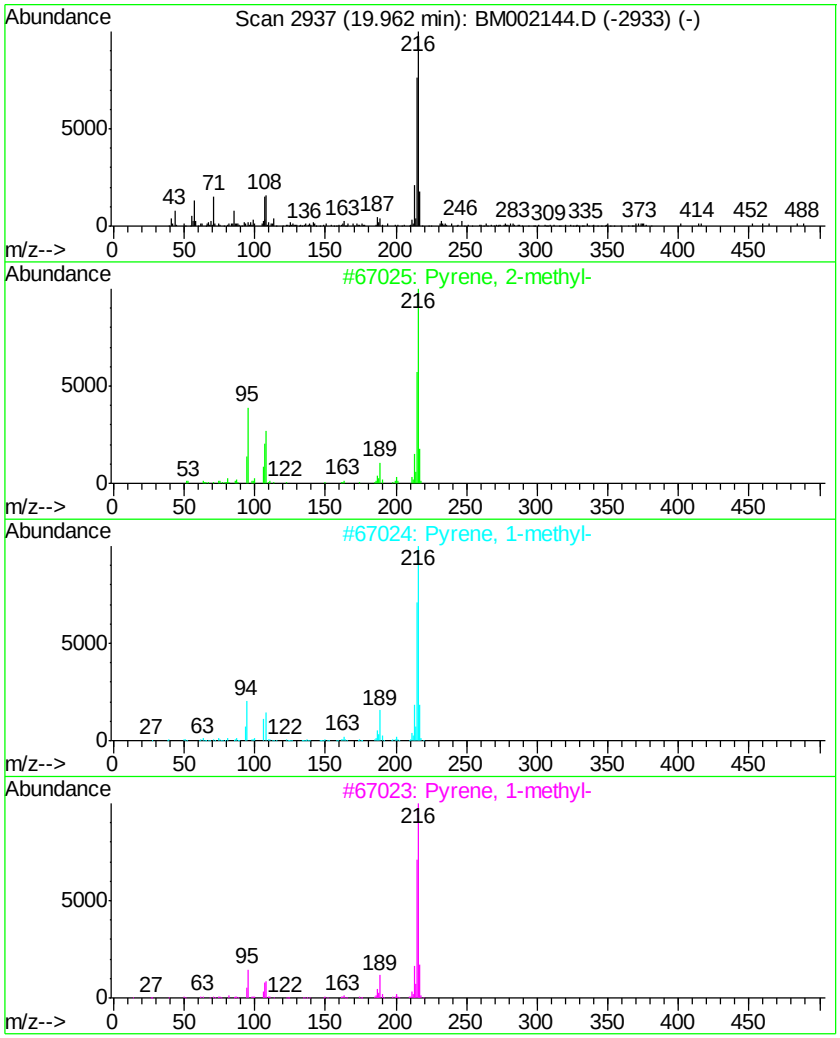
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

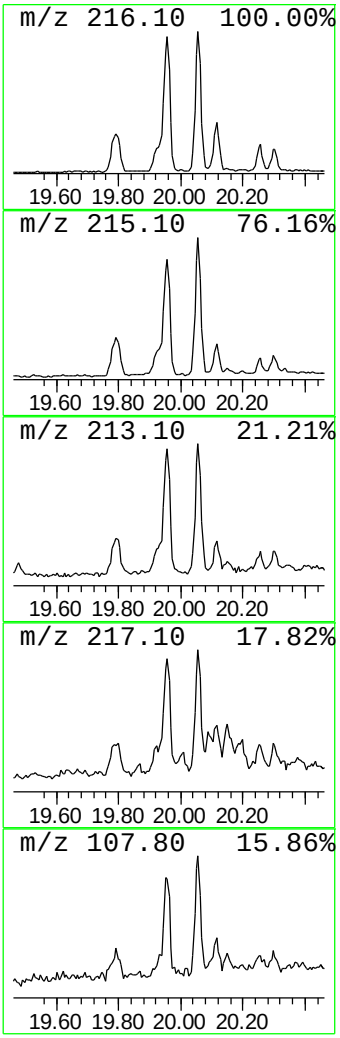
****

Peak Number 13 Pyrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	2.33 ng/ul	172814	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

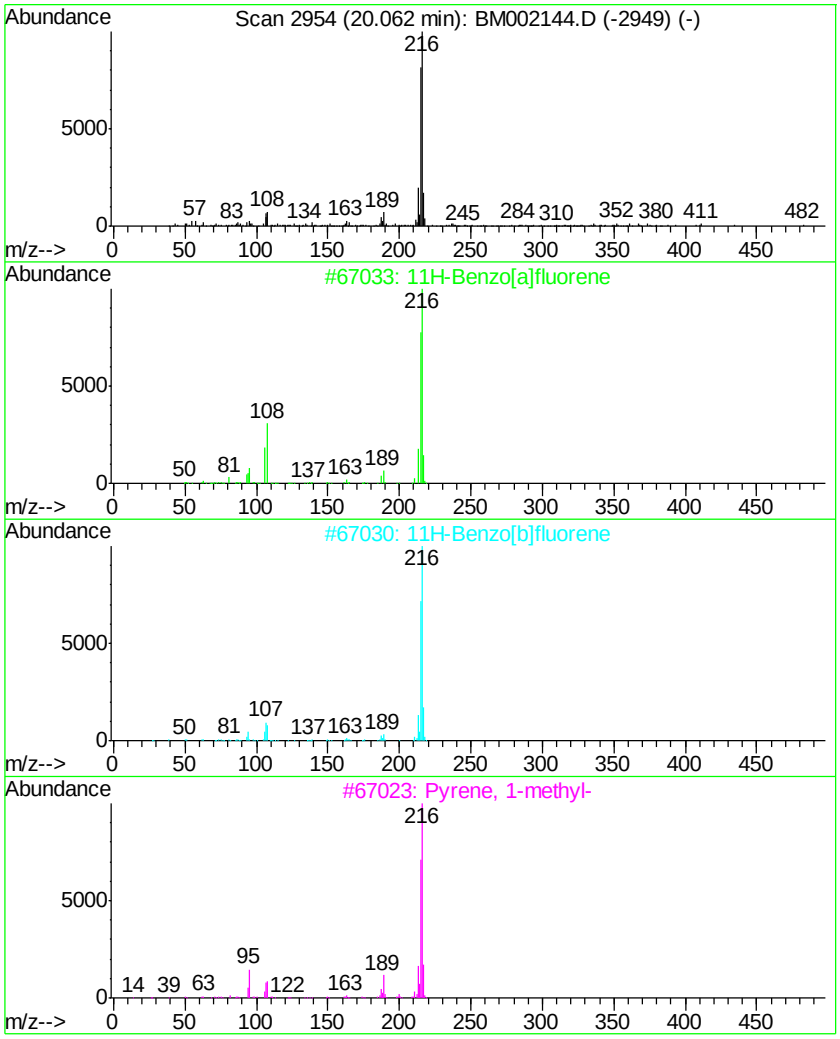
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

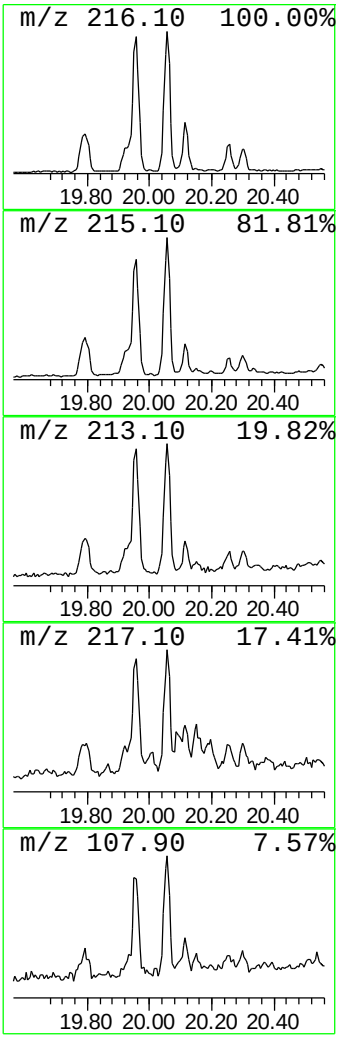
****

Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	3.34 ng/ul	247933	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

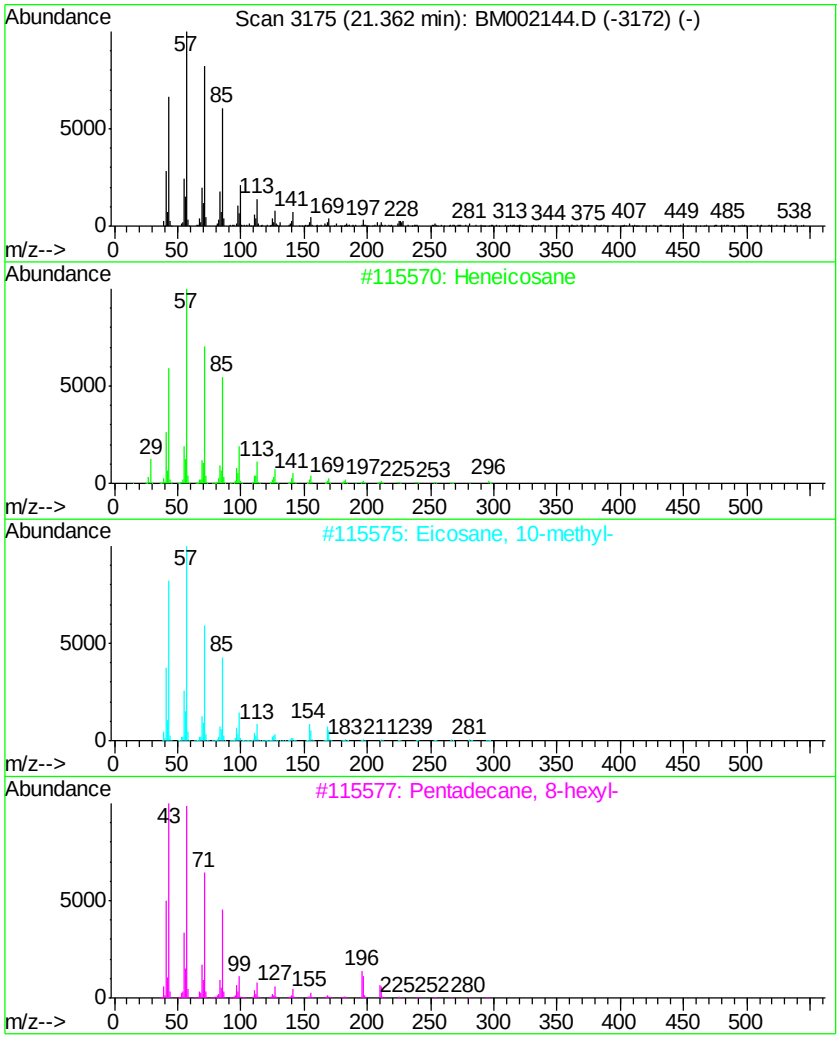
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

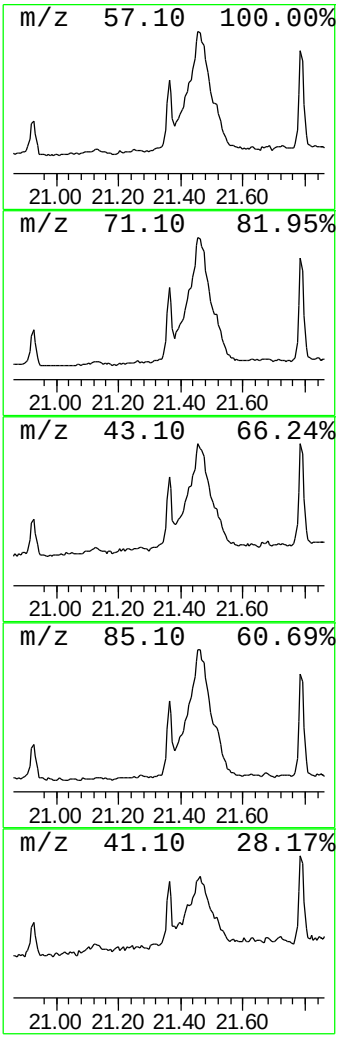
****

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.36	4.66 ng/ul	346098	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	95
3	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
4	Hexadecane	226	C16H34	000544-76-3	90
5	Hexadecane	226	C16H34	000544-76-3	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

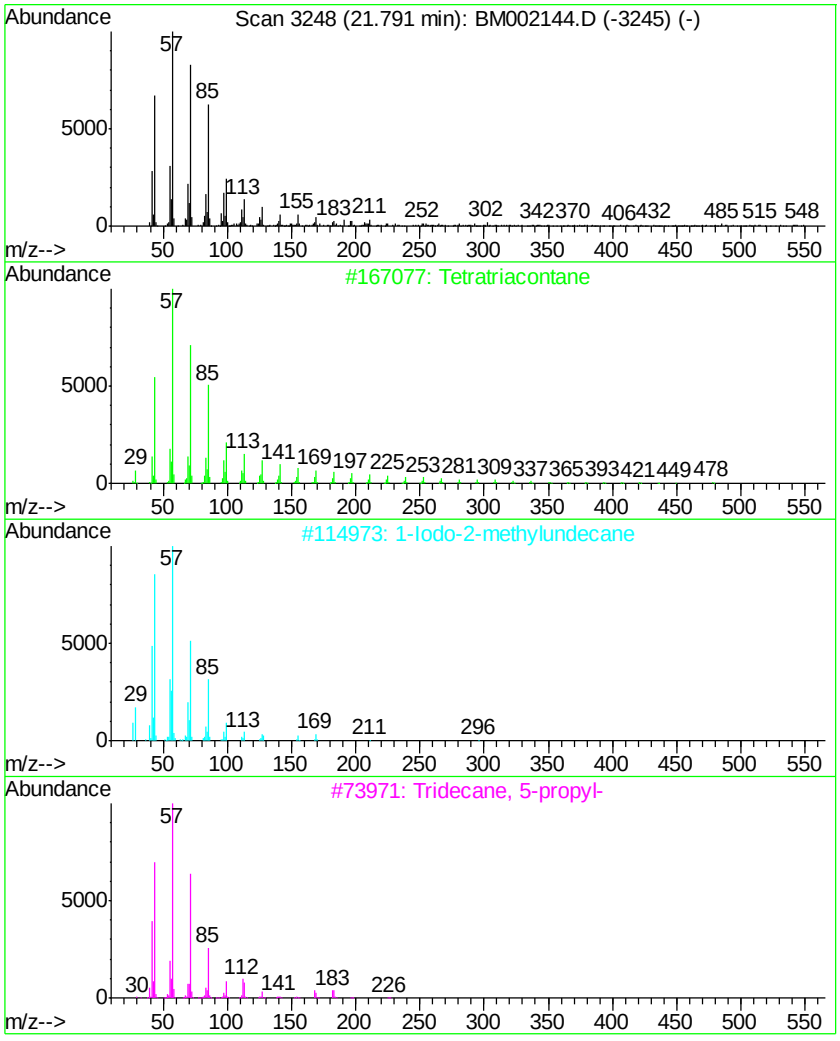
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

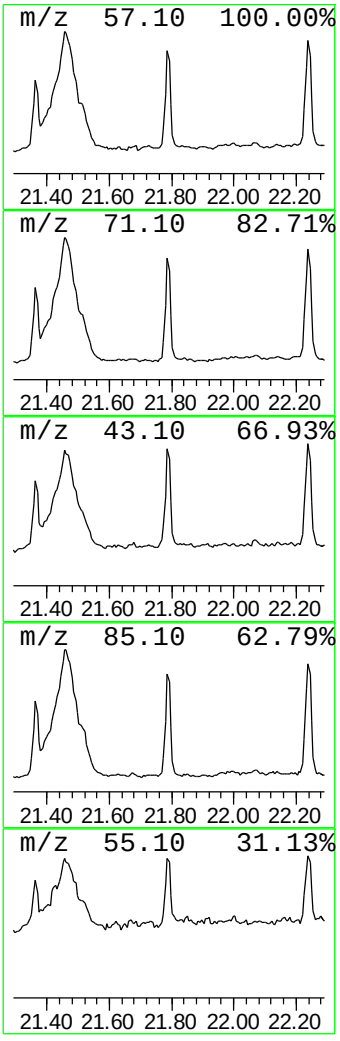
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.79	6.27 ng/ul	465886	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratriacontane	479	C34H70	014167-59-0	93
2	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	91
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	87
4	Tetratriacontane	479	C34H70	014167-59-0	87
5	Heptacosane	380	C27H56	000593-49-7	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

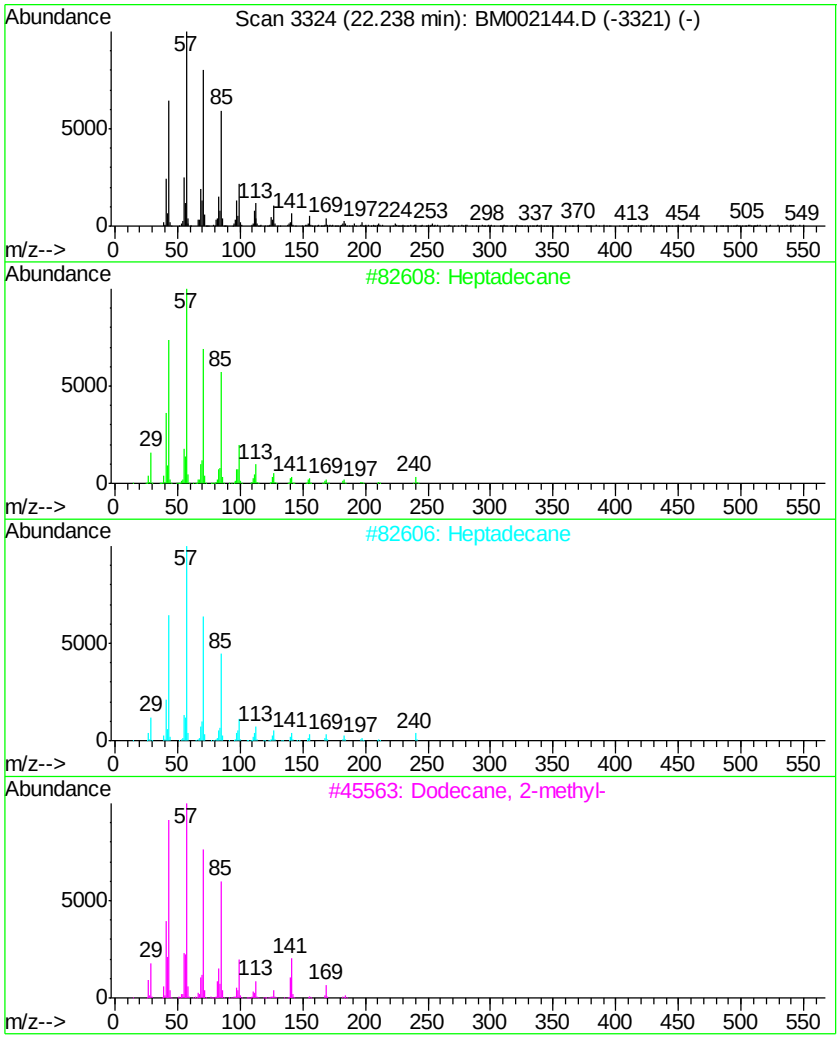
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

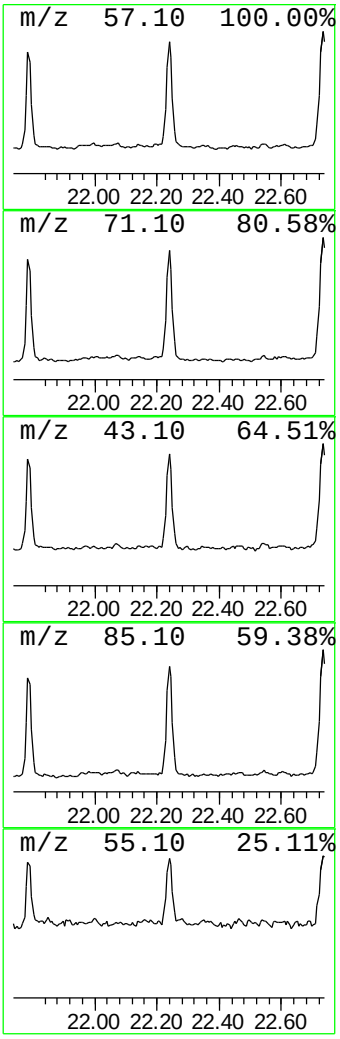
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.24	7.35 ng/ul	546147	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Heptadecane	240	C17H36	000629-78-7	89
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	87
4	Octacosane	394	C28H58	000630-02-4	87
5	Octacosane	394	C28H58	000630-02-4	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002144.D
Acq On : 30 Jul 2015 19:47
Operator : TP/UM
Sample : G3035-20DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02D9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 2,7-...	13.43	2.1	ng/ul	108411	3	14.27	1014980	20.0
Naphthalene, 1,7-...	13.59	4.5	ng/ul	226763	3	14.27	1014980	20.0
1,1'-Biphenyl, 2-...	15.49	2.9	ng/ul	148087	3	14.27	1014980	20.0
[1,1'-Biphenyl]-4...	15.62	3.8	ng/ul	192058	3	14.27	1014980	20.0
2,4,6-Cycloheptat...	15.77	4.8	ng/ul	270816	4	17.03	1122070	20.0
9H-Fluorene, 2-me...	16.33	4.2	ng/ul	232908	4	17.03	1122070	20.0
Dibenz[c,e]oxepin...	16.77	2.3	ng/ul	130134	4	17.03	1122070	20.0
Dibenzothiophene	16.84	5.8	ng/ul	322767	4	17.03	1122070	20.0
Phenanthrene, 2-m...	17.90	4.4	ng/ul	245188	4	17.03	1122070	20.0
Phenanthrene, 1-m...	17.94	5.6	ng/ul	313454	4	17.03	1122070	20.0
4H-Cyclopenta[def...	18.10	9.8	ng/ul	548100	4	17.03	1122070	20.0
Naphthalene, 2-ph...	18.40	3.1	ng/ul	173269	4	17.03	1122070	20.0
Pyrene, 2-methyl-	19.96	2.3	ng/ul	172814	5	21.23	1486250	20.0
11H-Benzo[a]fluorene	20.06	3.3	ng/ul	247933	5	21.23	1486250	20.0
(DEL) Alkane: Str...	21.36	4.7	ng/ul	346098	5	21.23	1486250	20.0
(DEL) Alkane: Str...	21.79	6.3	ng/ul	465886	5	21.23	1486250	20.0
(DEL) Alkane: Str...	22.24	7.3	ng/ul	546147	5	21.23	1486250	20.0