LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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	6.769	636	643	658	rVB2	526410	1018059	10.45%	1.159%
2	6.928	664	670	680	rBV	430770	652614	6.70%	0.743%
3	7.116	696	702	713	rBV	626861	977416	10.04%	1.113%
4	7.581	770	781	790	rBV	492980	812701	8.35%	0.925%
5	8.293	895	902	918	rBV	690749	1157631	11.89%	1.318%
6	8.734	969	977	985	rBV	583167	976506	10.03%	1.112%
7	9.451	1092	1099	1113	rBV	493510	853603	8.77%	0.972%
8	9.987	1181	1190	1202	rBV	708745	1290612	13.25%	1.469%
9	10.351	1242	1252	1256	rBV	639549	1054259	10.83%	1.200%
10	10.398	1256	1260	1268	rVV	1127748	1871182	19.21%	2.131%
11	10.504	1270	1278	1297	rVV2	521445	1047425	10.76%	1.193%
12	12.022	1528	1536	1545	rBV	1596473	2454864	25.21%	2.795%
13	12.245	1563	1574	1583	rBV	724039	1200899	12.33%	1.367%
14	13.057	1705	1712	1719	rBV	454465	687892	7.06%	0.783%
15	13.251	1740	1745	1755	rVB	161897	297408	3.05%	0.339%
16	13.386	1761	1768	1769	rBV	201769	270166	2.77%	0.308%
17	13.404	1769	1771	1779	rVB2	216859	294315	3.02%	0.335%
18	13.545	1789	1795	1800	rBV	291933	531600	5.46%	0.605%
19	13.604	1800	1805	1808	rVV	197572	277257	2.85%	0.316%
20	13.651	1808	1813	1817	rVV	1204901	1659643	17.04%	1.890%
21	13.698	1817	1821	1829	rVB	391429	554870	5.70%	0.632%
22	13.786	1829	1836	1840	rBV	125404	207908	2.13%	0.237%
23	13.922	1852	1859	1870	rBV	1433328	2194670	22.54%	2.499%
24	14.227	1901	1911	1917	rBV4	891228	1694873	17.40%	1.930%
25	14.298	1917	1923	1932	rVB	2159295	3235299	33.22%	3.684%
26	14.380	1932	1937	1942	rBV	85983	129323	1.33%	0.147%
27	14.469	1943	1952	1959	rBV2	333520	674858	6.93%	0.768%
28	14.545	1961	1965	1969	rVB	100182	155248	1.59%	0.177%
29	14.633	1974	1980	1985	rBV	1496390	2059466	21.15%	2.345%
30	14.757	1997	2001	2008	rVB	73245	118453	1.22%	0.135%
31	14.857	2011	2018	2023	rBV4	98610	177082	1.82%	0.202%
32	15.027	2039	2047	2050	rBV3	48059	97923	1.01%	0.111%
33	15.233	2075	2082	2086	rBV	1780467	2479953	25.47%	2.824%
34	15.286	2086	2091	2097	rVB	1989873	2674433	27.46%	3.045%

LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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	15.380	2101	2107	2110	rBV	471964	709267	7.28%	0.808%
36	15.445	2115	2118	2124	rVB2	239158	349019	3.58%	0.397%
37	15.533	2130	2133	2137	rVV	105869	140538	1.44%	0.160%
38	15.586	2137	2142	2151	rVB2	304336	529294	5.44%	0.603%
39	15.704	2157	2162	2163	rBV2	90561	114812	1.18%	0.131%
40	15.727	2163	2166	2174	rVV	313061	621229	6.38%	0.707%
41	15.792	2174	2177	2180	rVV4	70568	113054	1.16%	0.129%
42	15.963	2196	2206	2213	rBV6	75793	196134	2.01%	0.223%
43	16.080	2220	2226	2232	rVB2	107615	176206	1.81%	0.201%
44	16.292	2256	2262	2267	rVB2	186087	326227	3.35%	0.371%
45	16.339	2267	2270	2277	rVV5	74831	111731	1.15%	0.127%
46	16.439	2281	2287	2292	rVB2	78674	149750	1.54%	0.171%
47	16.721	2330	2335	2336	rBV	104030	134087	1.38%	0.153%
48	16.804	2344	2349	2359	rVB	445438	663105	6.81%	0.755%
49	16.986	2374	2380	2383	rBV	1148518	1678665	17.24%	1.911%
50	17.033	2383	2388	2392	rVV	6959544	9738516	100.00%	11.088%
51	17.086	2392	2397	2400	rVV	1973889	2832965	29.09%	3.226%
52	17.121	2400	2403	2409	rVB	772905	1037599	10.65%	1.181%
53	17.398	2444	2450	2462	rBV	242615	452641	4.65%	0.515%
54	17.510	2462	2469	2476	rVV3	120785	237098	2.43%	0.270%
55	17.568	2476	2479	2488	rVB5	48339	120771	1.24%	0.138%
56	17.862	2521	2529	2532	rBV	451327	672864	6.91%	0.766%
57	17.910	2532	2537	2543	rVV2	623441	1199978	12.32%	1.366%
58	17.998	2547	2552	2556	rVV	189306	295588	3.04%	0.337%
59	18.057	2556	2562	2566	rVV2	833231	1309406	13.45%	1.491%
60	18.092	2566	2568	2576	rVB	206573	267641	2.75%	0.305%
61	18.368	2610	2615	2621	rVV	362421	491488	5.05%	0.560%
62	18.615	2653	2657	2662	rBV5	69730	102228	1.05%	0.116%
63	18.786	2681	2686	2690	rBV2	116375	193395	1.99%	0.220%
64	19.057	2724	2732	2738	rBV	4180561	5541016	56.90%	6.309%
65	19.180	2746	2753	2760	rBV6	130134	248473	2.55%	0.283%
66	19.298	2764	2773	2778	rBV2	96034	185337	1.90%	0.211%
67	19.392	2783	2789	2791	rBV	3222663	4489264	46.10%	5.111%
68	19.421	2791	2794	2798	rVB	2320126	2864173	29.41%	3.261%
69	19.498	2803	2807	2813	rVB2	130954	213141	2.19%	0.243%
70	19.604	2821	2825	2832	rVB	167670	240695	2.47%	0.274%
71	19.745	2844	2849	2851	rBV	130093	221068	2.27%	0.252%

LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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	19.921	2874	2879	2885	rVB	402946	599650	6.16%	0.683%
73	20.021	2891	2896	2900	rBV	417647	568170	5.83%	0.647%
74	20.080	2900	2906	2909	rVV2	138280	256018	2.63%	0.292%
75	20.268	2933	2938	2941	rBV3	71679	108792	1.12%	0.124%
76	20.445	2964	2968	2971	rBV3	81648	111922	1.15%	0.127%
77	20.633	2996	3000	3005	rBV8	50168	105652	1.08%	0.120%
78	20.839	3031	3035	3037	rBV	101452	139690	1.43%	0.159%
79	20.874	3037	3041	3043	rVV	130214	164124	1.69%	0.187%
80	20.909	3043	3047	3056	rVB4	539196	896876	9.21%	1.021%
81	21.186	3086	3094	3098	rBV2	1920821	3179224	32.65%	3.620%
82	21.221	3098	3100	3105	rVB	472215	576389	5.92%	0.656%
83	21.345	3117	3121	3125	rBV	122339	152691	1.57%	0.174%
84	22.727	3350	3356	3361	rBV2	214032	506793	5.20%	0.577%
85	23.239	3436	3443	3455	rVB2	1891796	3784595	38.86%	4.309%
86	23.374	3460	3466	3472	rVB	1056157	1867483	19.18%	2.126%

Sum of corrected areas: 87826943

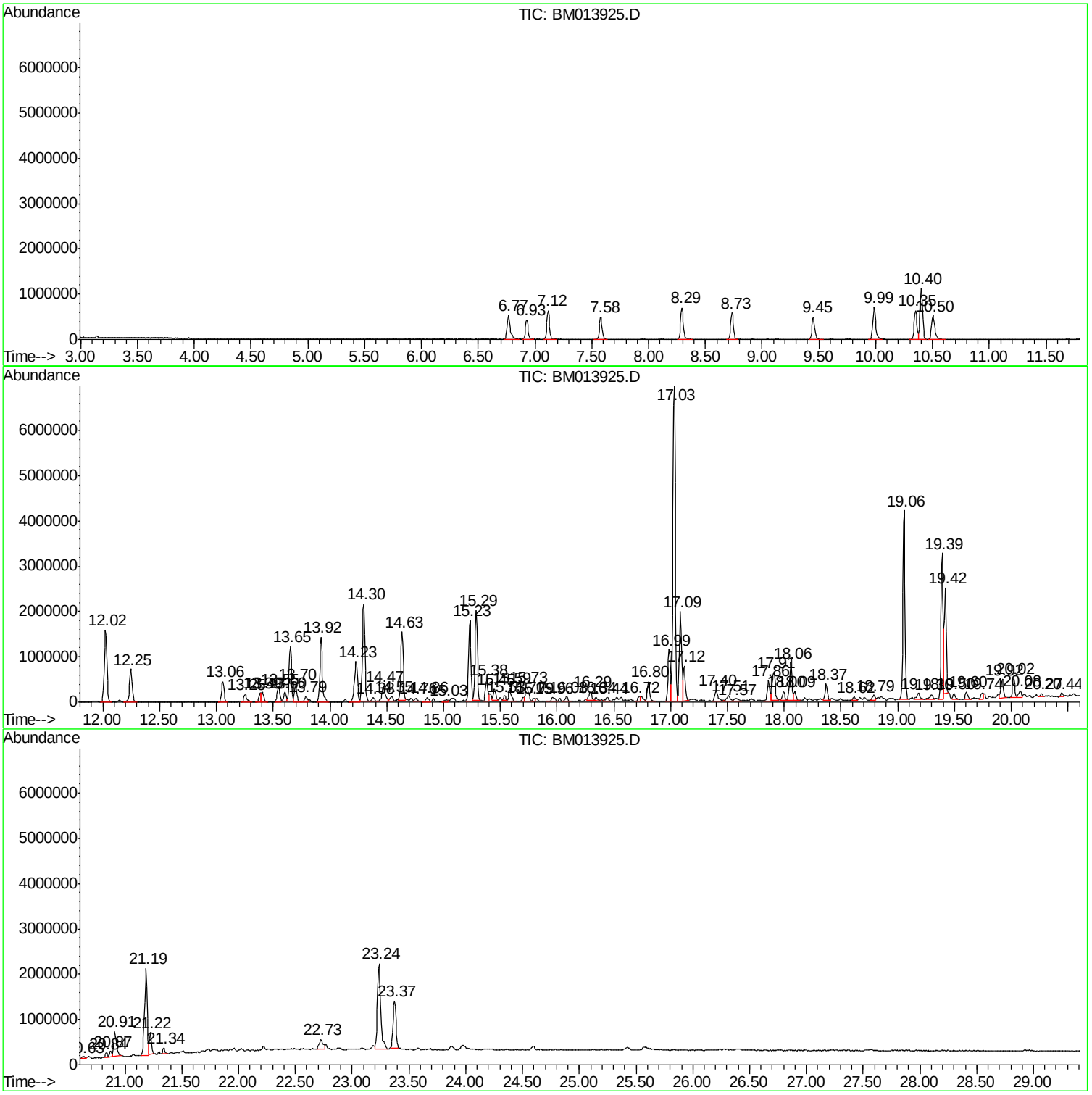
LSC Report - Integrated Chromatogram

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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



Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

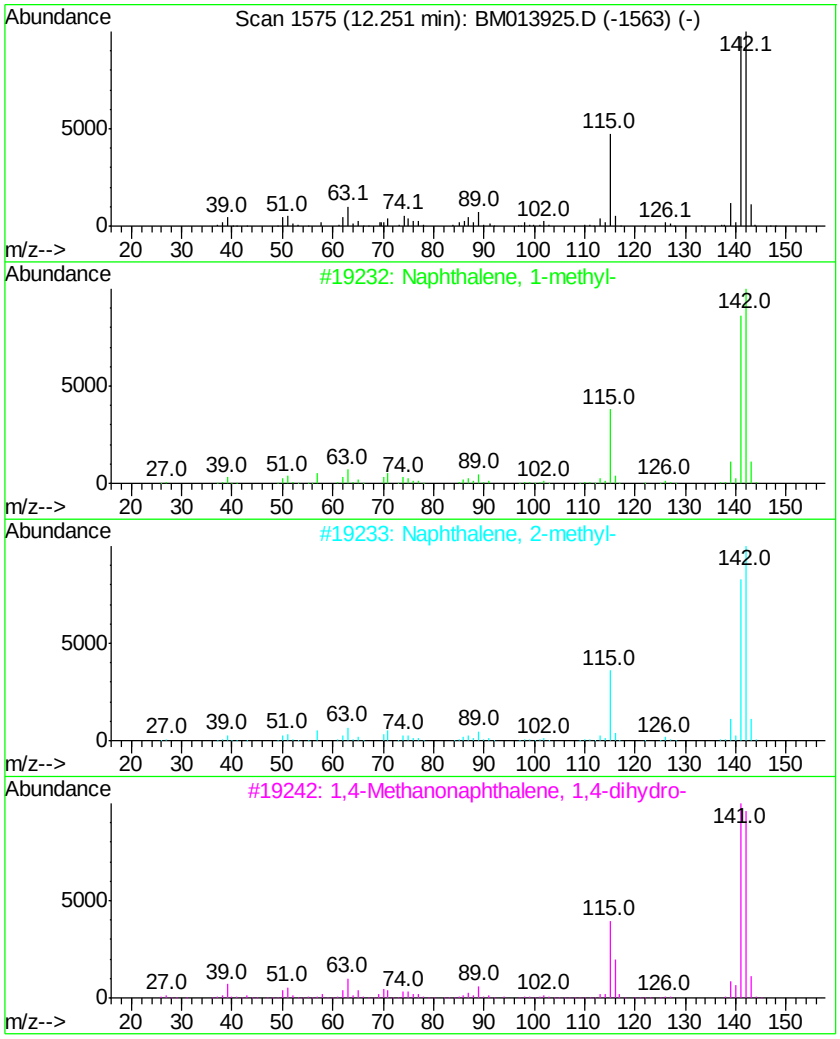
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

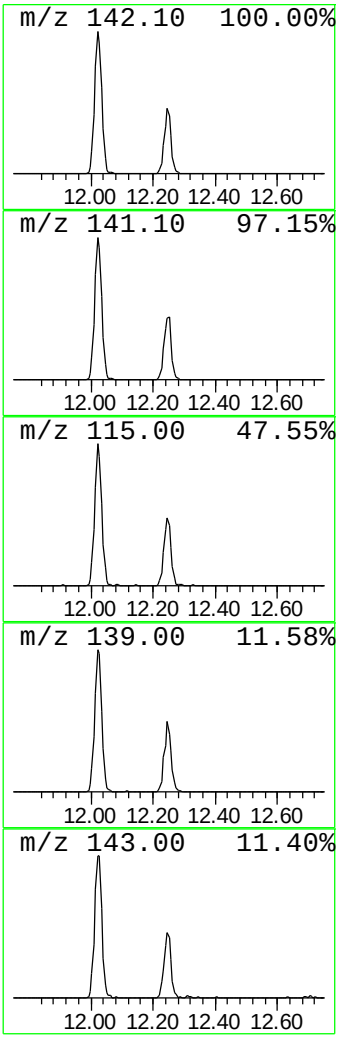
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	22.78 ng/ul	1200900	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

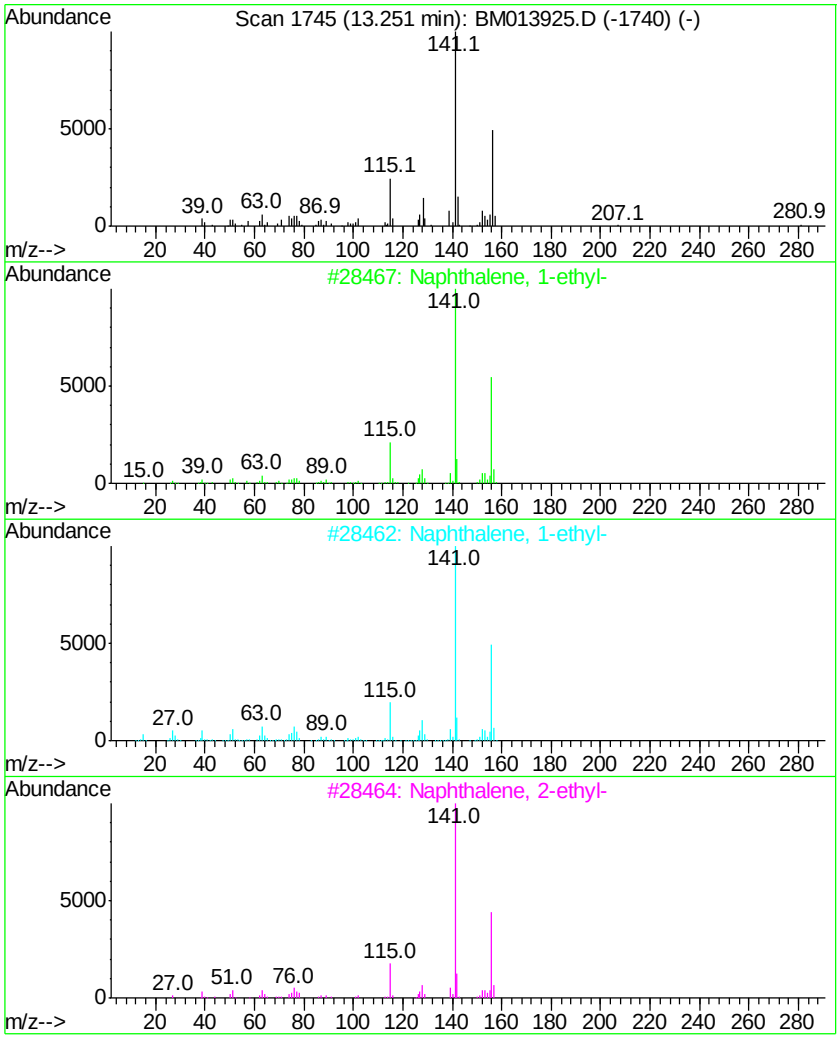
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

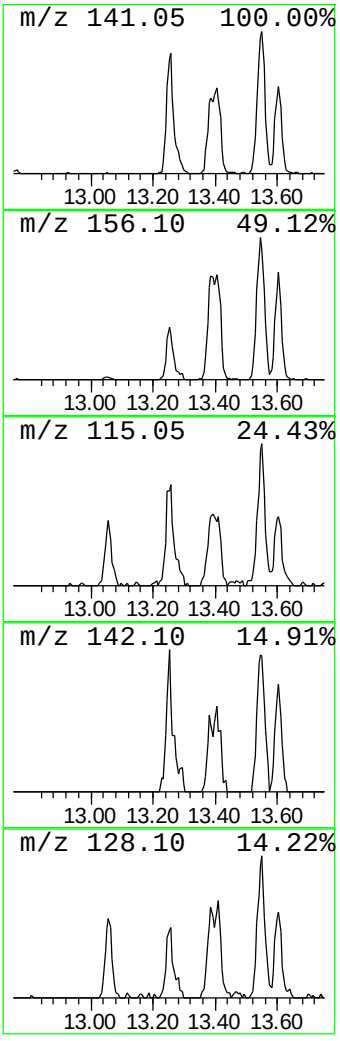
****

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	3.51 ng/ul	297408	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

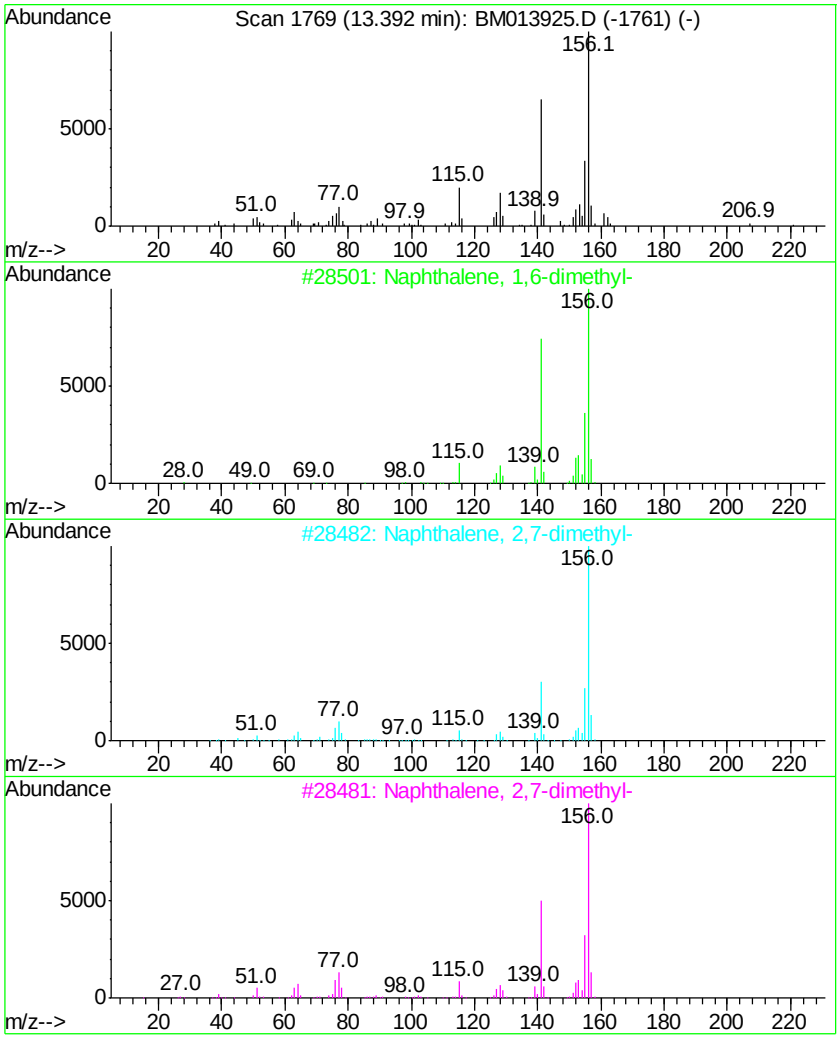
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

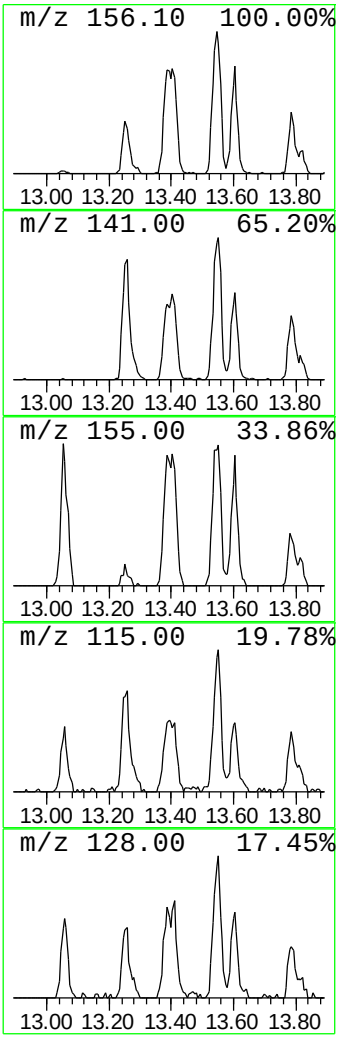
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	3.19 ng/ul	270166	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

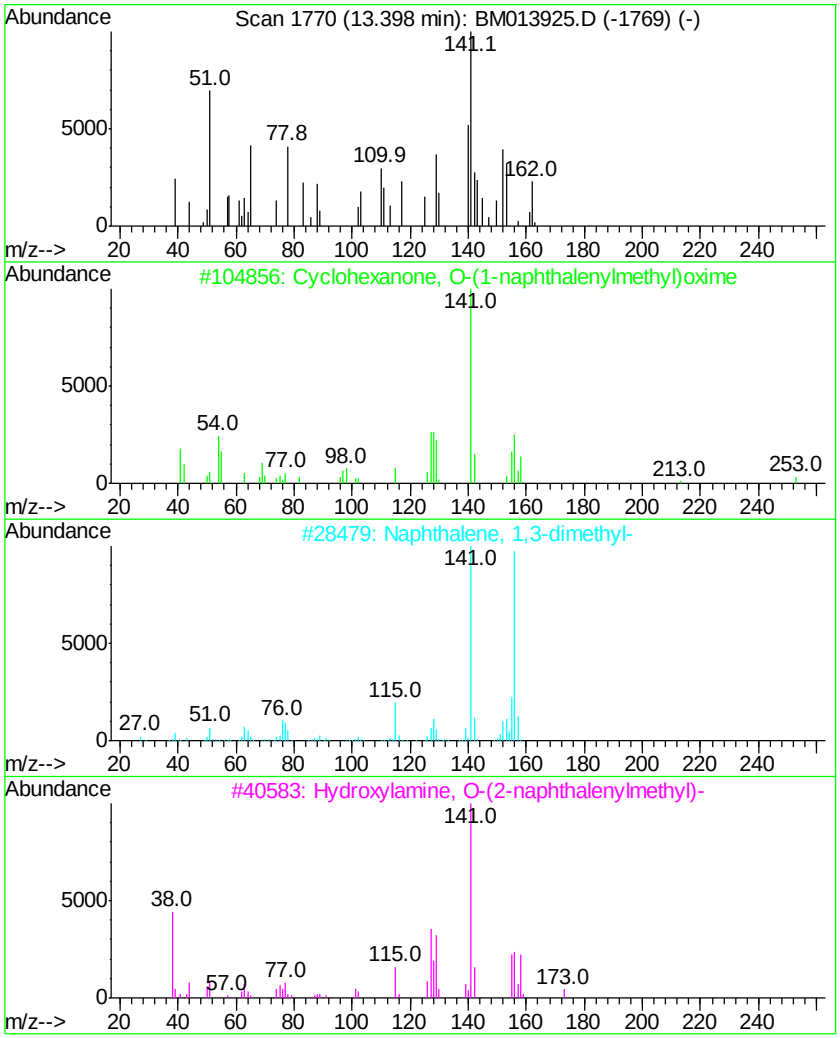
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

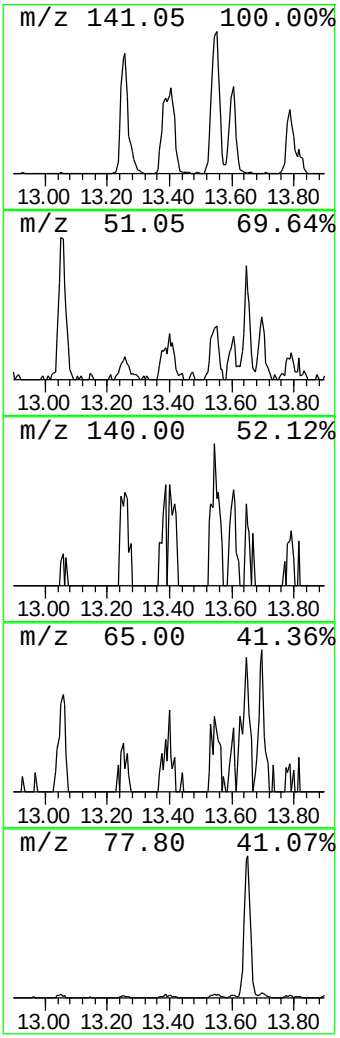
****

Peak Number 4 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	3.47 ng/ul	294315	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, O-(1-naphthalenyl...	253	C17H19NO	055045-02-8	23
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	23
3	Hydroxylamine, O-(2-naphthalenyl...	173	C11H11NO	054484-69-4	23
4	Pyridine, 4-chloro-2,6-dimethyl-	141	C7H8ClN	003512-75-2	16
5	Propionaldehyde, 3-[(3-hydroxy-6...	197	C9H11NO2S	030221-77-3	12





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

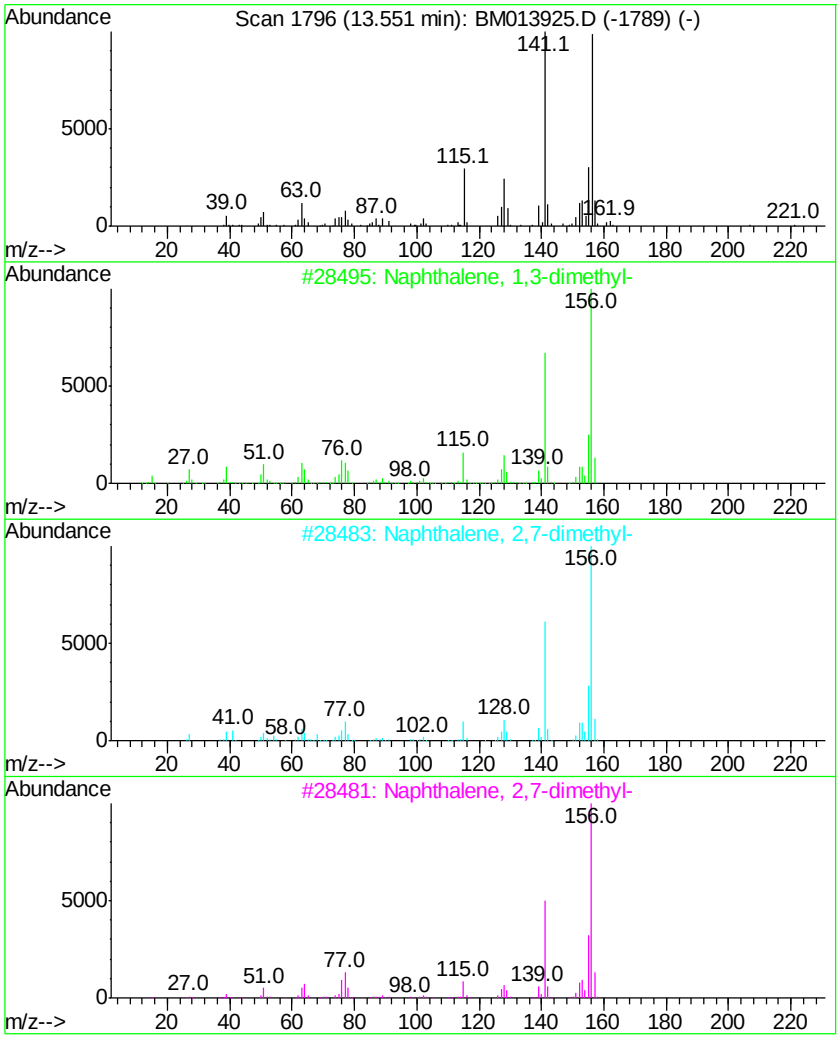
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

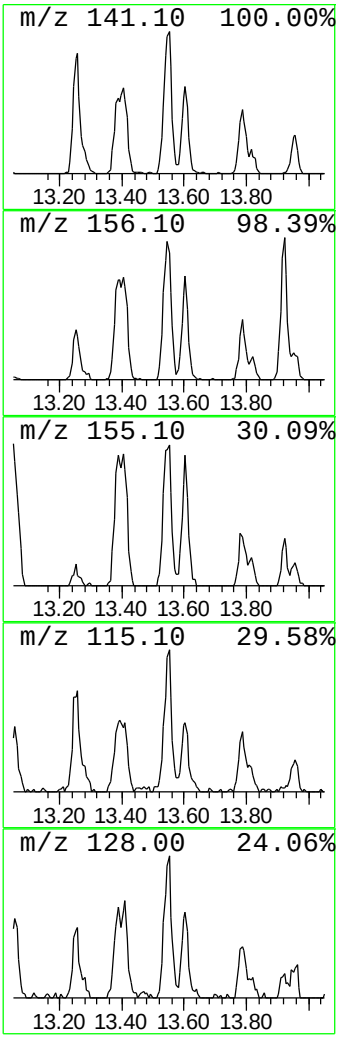
****

Peak Number 5 Naphthalene, 1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	6.27 ng/ul	531600	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

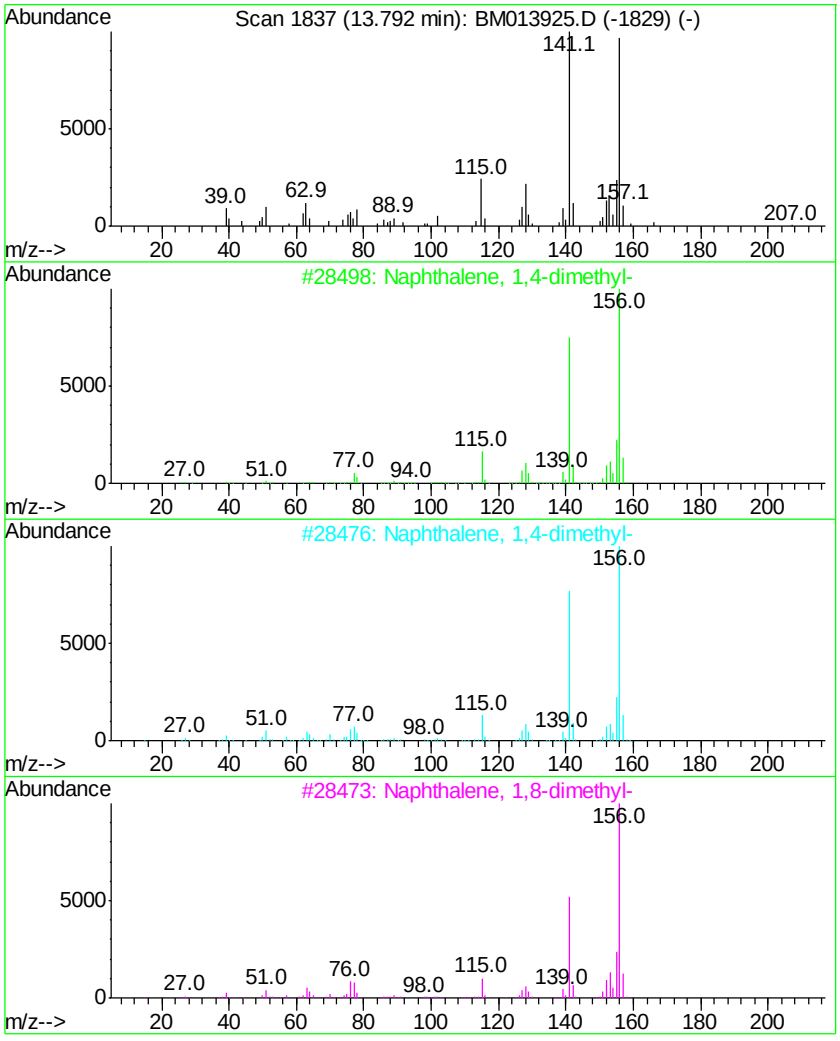
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

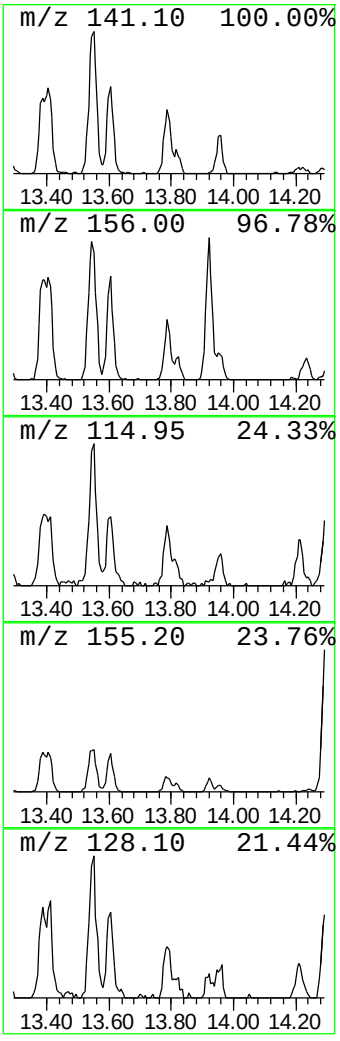
****

Peak Number 6 Naphthalene, 1,4-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	2.45 ng/ul	207908	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

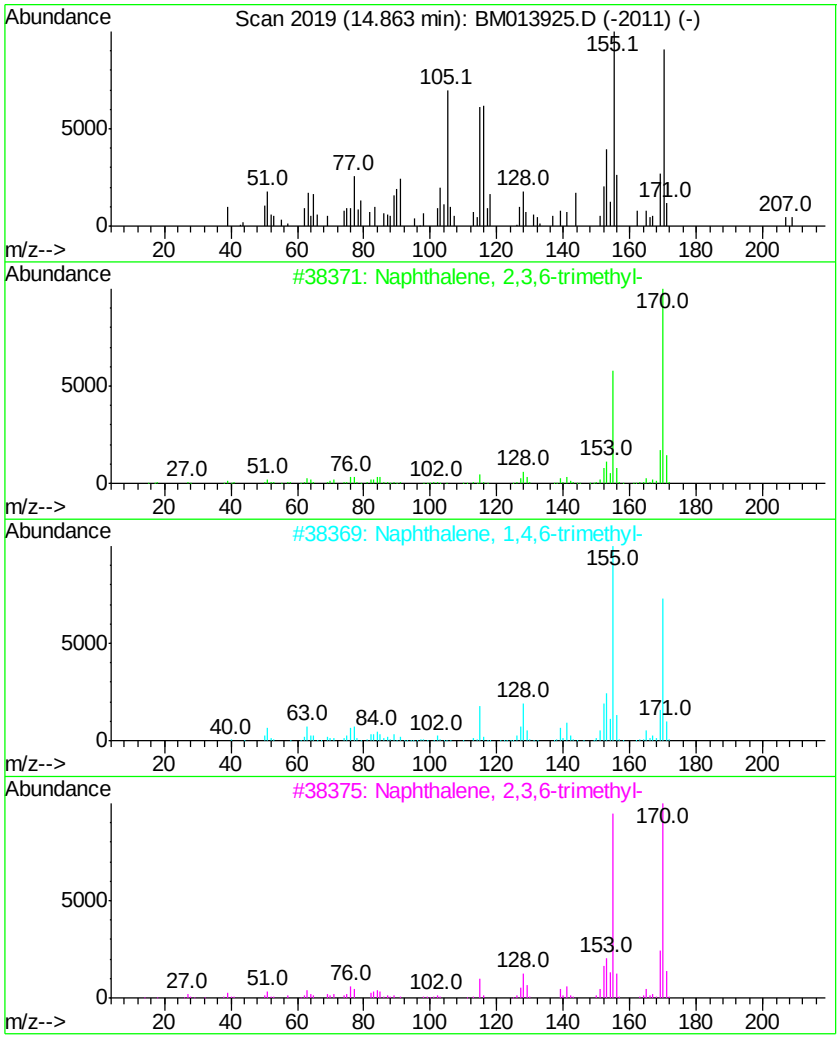
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

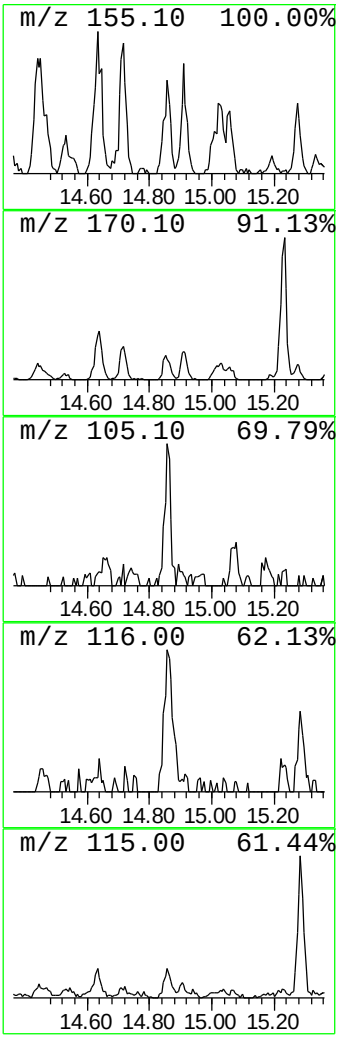
****

Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	2.09 ng/ul	177082	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	78
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	78
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	78
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	60





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

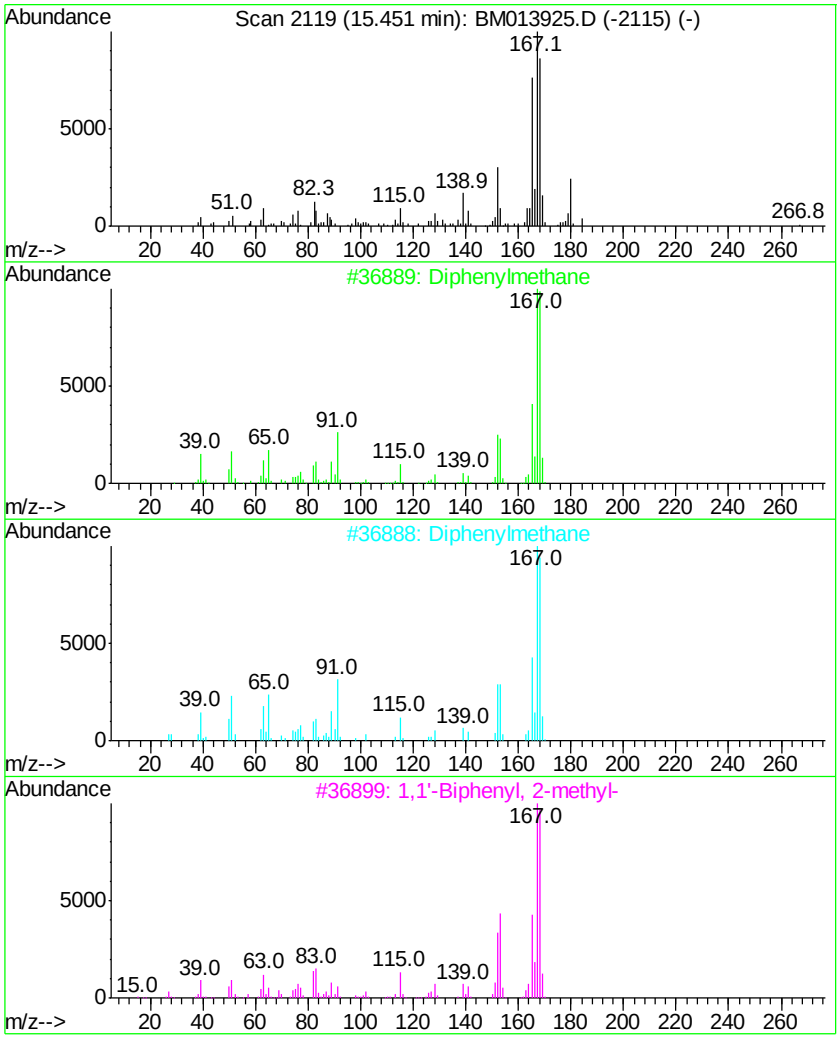
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

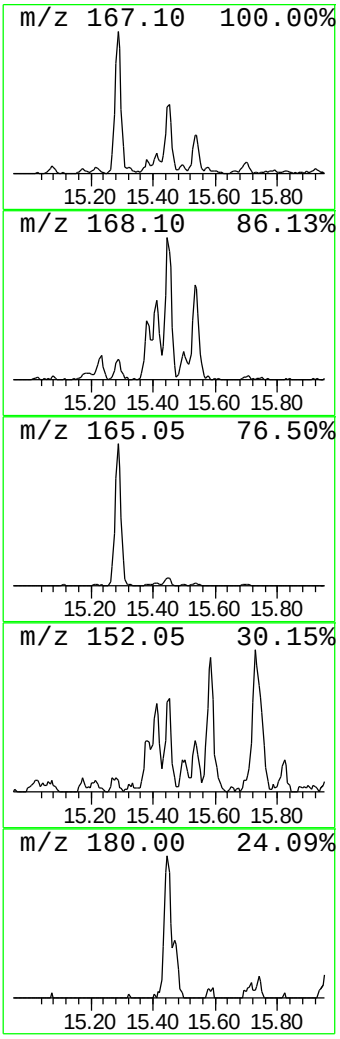
****

Peak Number 8 Diphenylmethane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	4.12 ng/ul	349019	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	60
2	Diphenylmethane	168	C13H12	000101-81-5	58
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
4	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	55
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	53





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

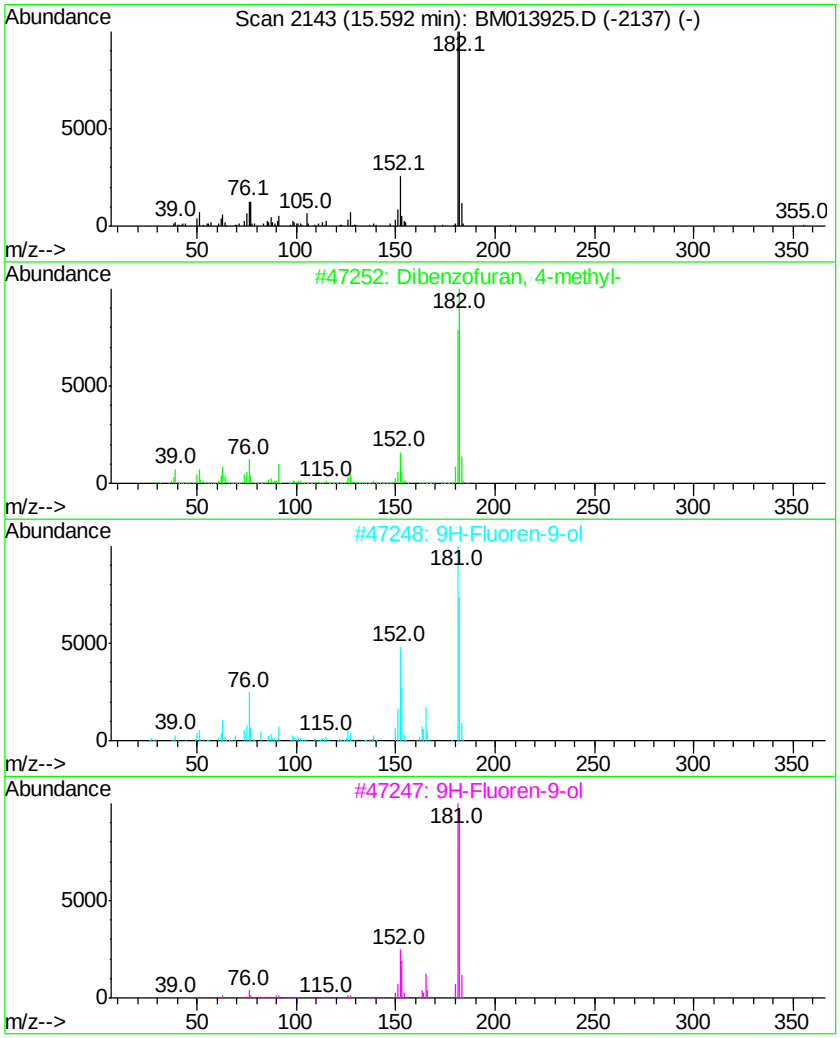
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

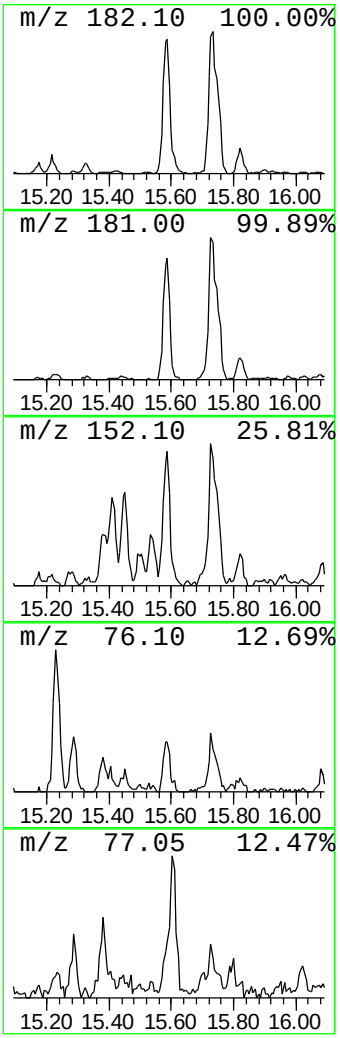
****

Peak Number 9 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	6.25 ng/ul	529294	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

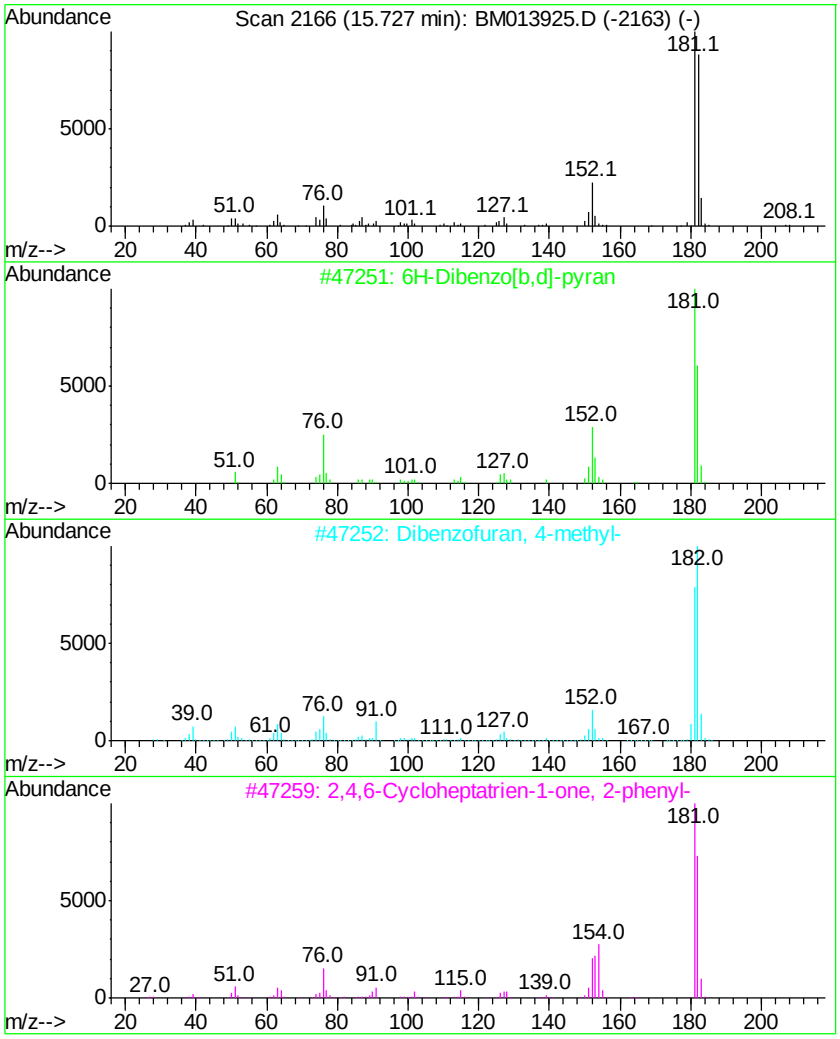
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

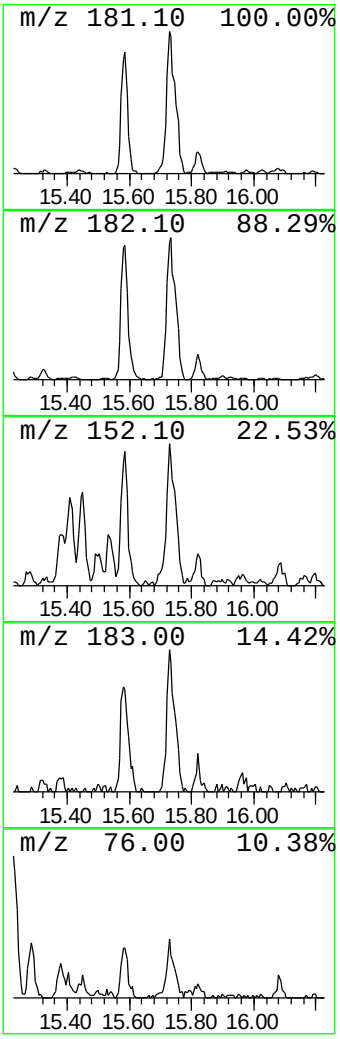
****

Peak Number 10 6H-Dibenzo[b,d]-pyran Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	7.40 ng/ul	621229	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

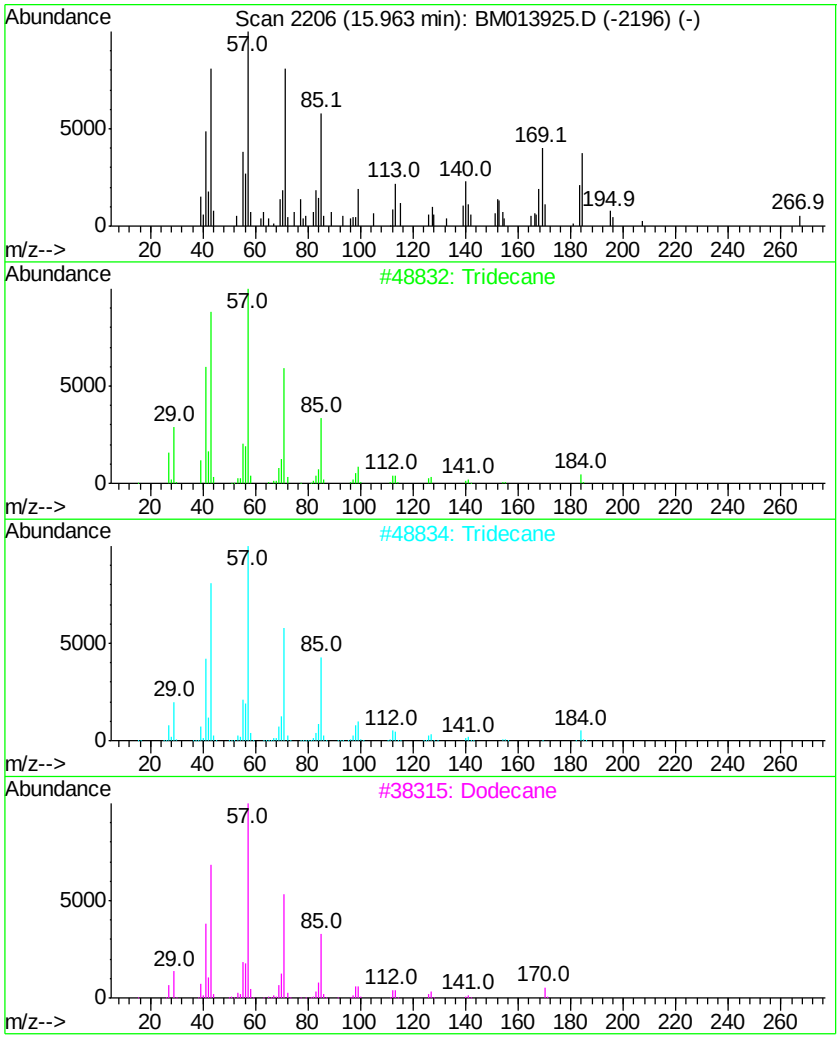
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

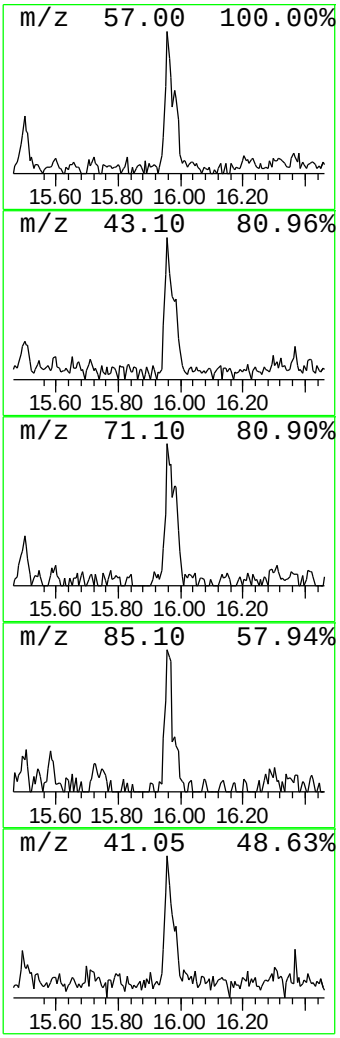
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	2.34 ng/ul	196134	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	60
2	Tridecane	184	C13H28	000629-50-5	60
3	Dodecane	170	C12H26	000112-40-3	55
4	Tridecane	184	C13H28	000629-50-5	53
5	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	52





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

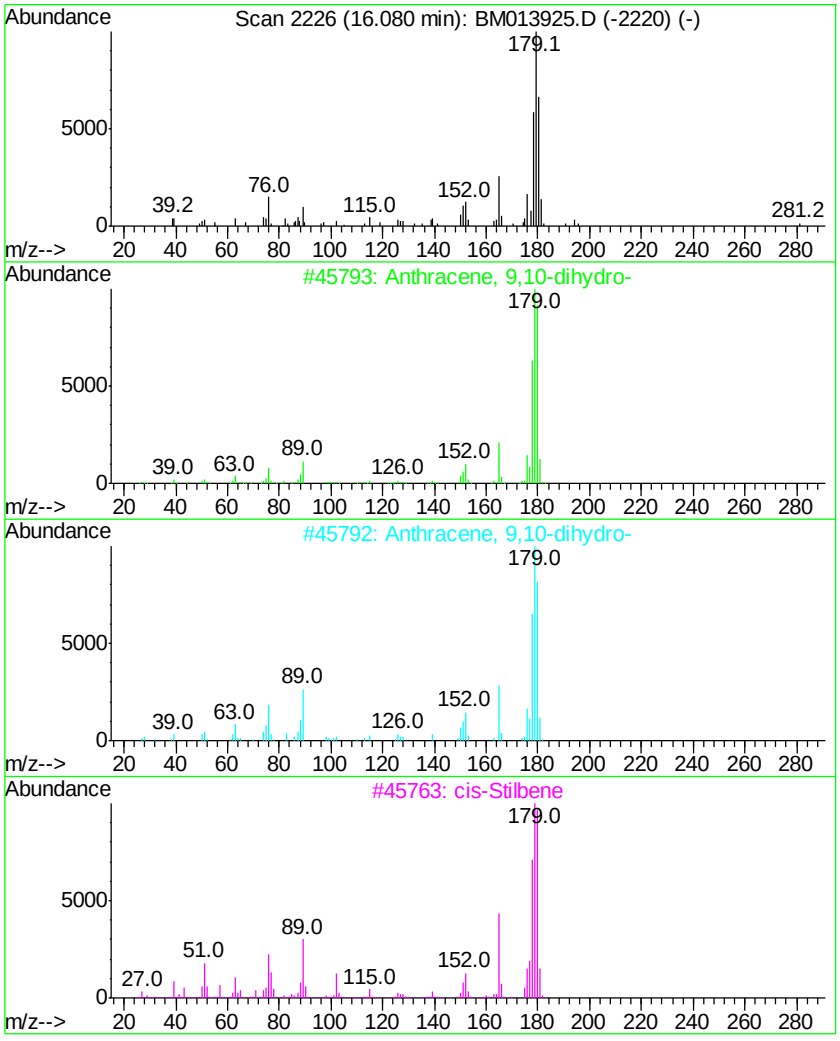
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

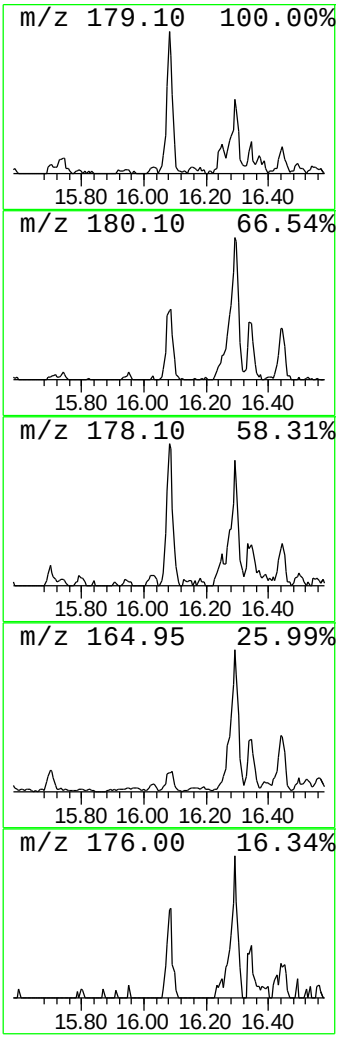
****

Peak Number 12 Anthracene, 9,10-dihydro- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	2.10 ng/ul	176206	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	89
3	cis-Stilbene	180	C14H12	000645-49-8	76
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	70
5	Stilbene	180	C14H12	000588-59-0	60





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

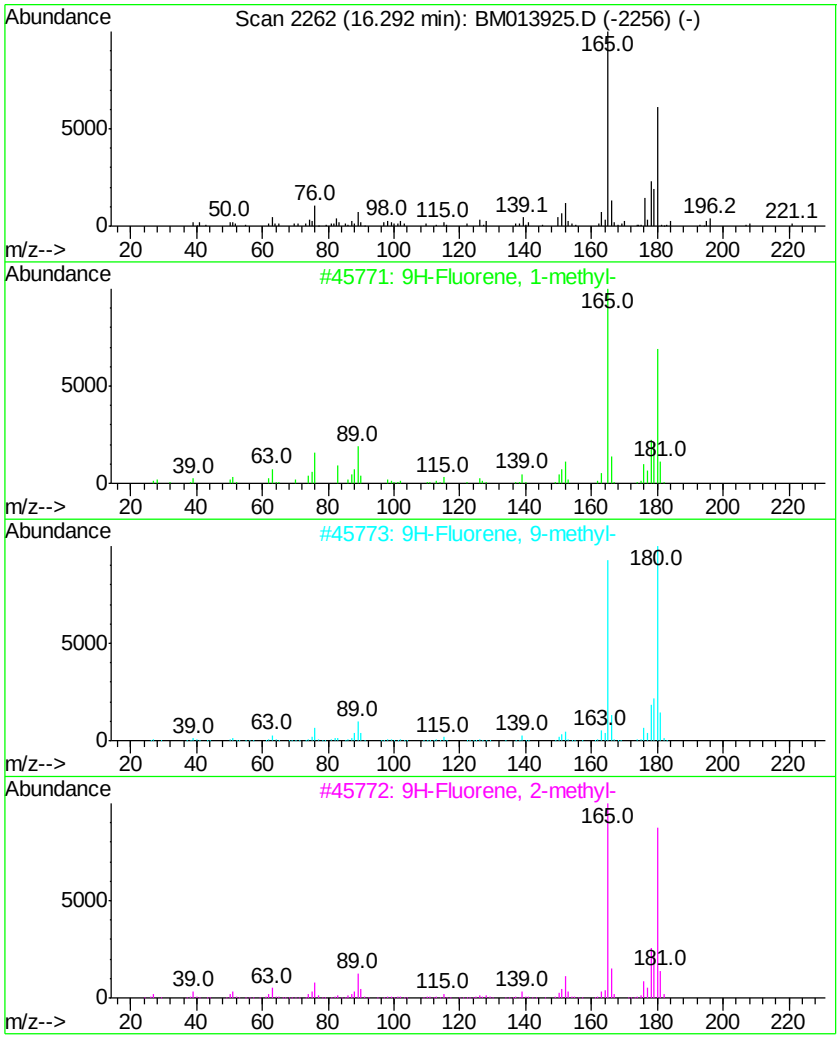
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

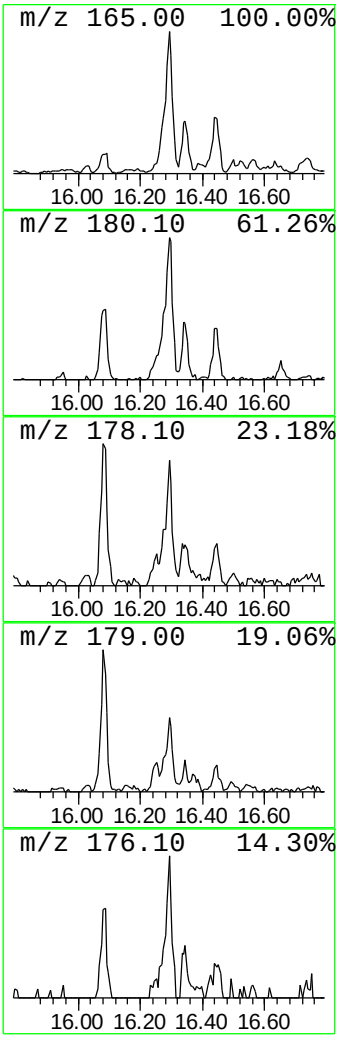
****

Peak Number 13 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	3.89 ng/ul	326227	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	74
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	72
4	3-Chloro-benzalacetone	180	C10H9ClO	1000146-90-5	70
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

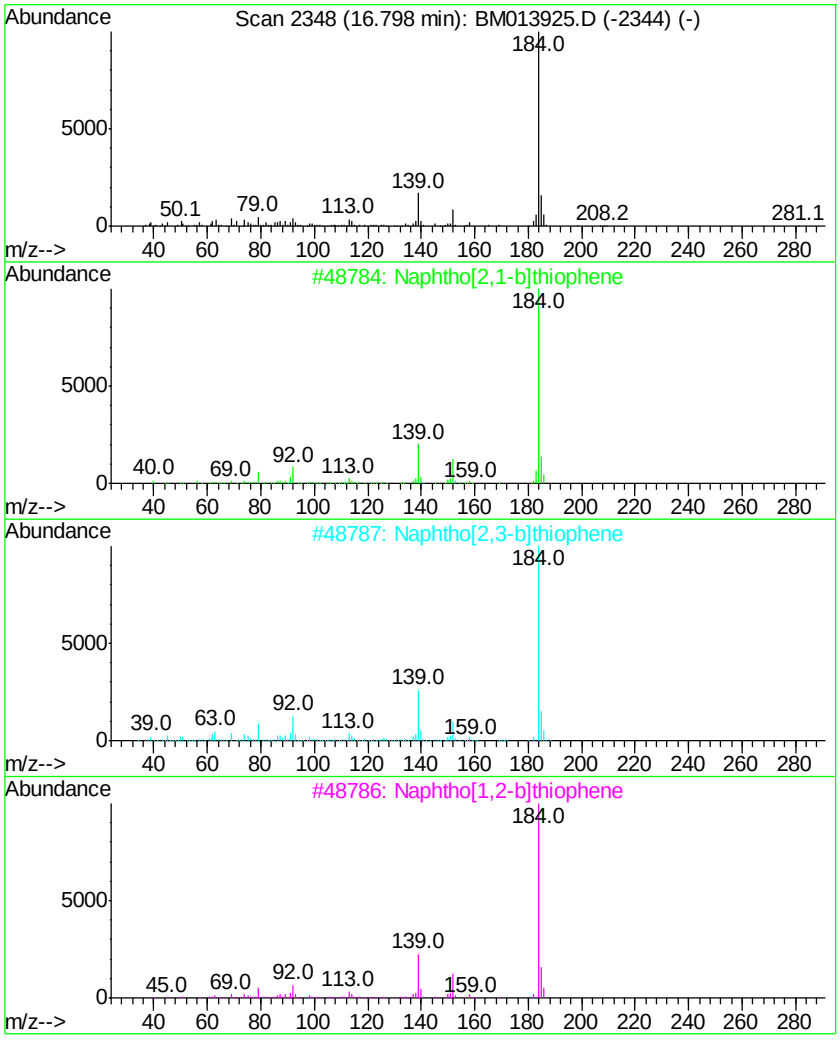
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

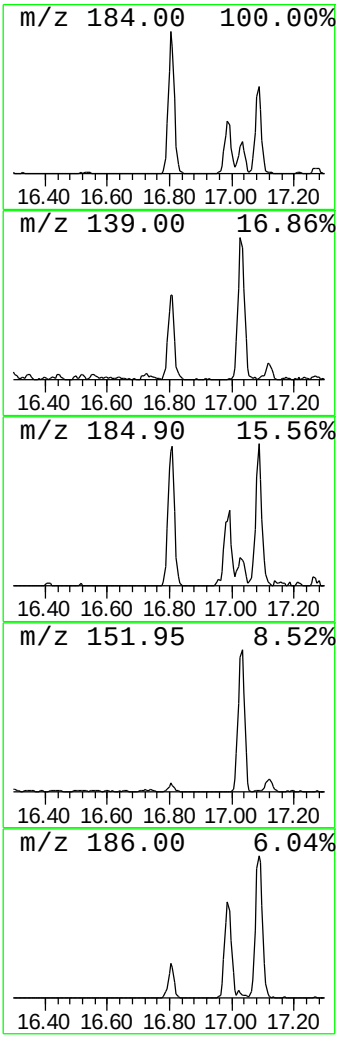
****

Peak Number 14 Naphtho[2,1-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	7.90 ng/ul	663105	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

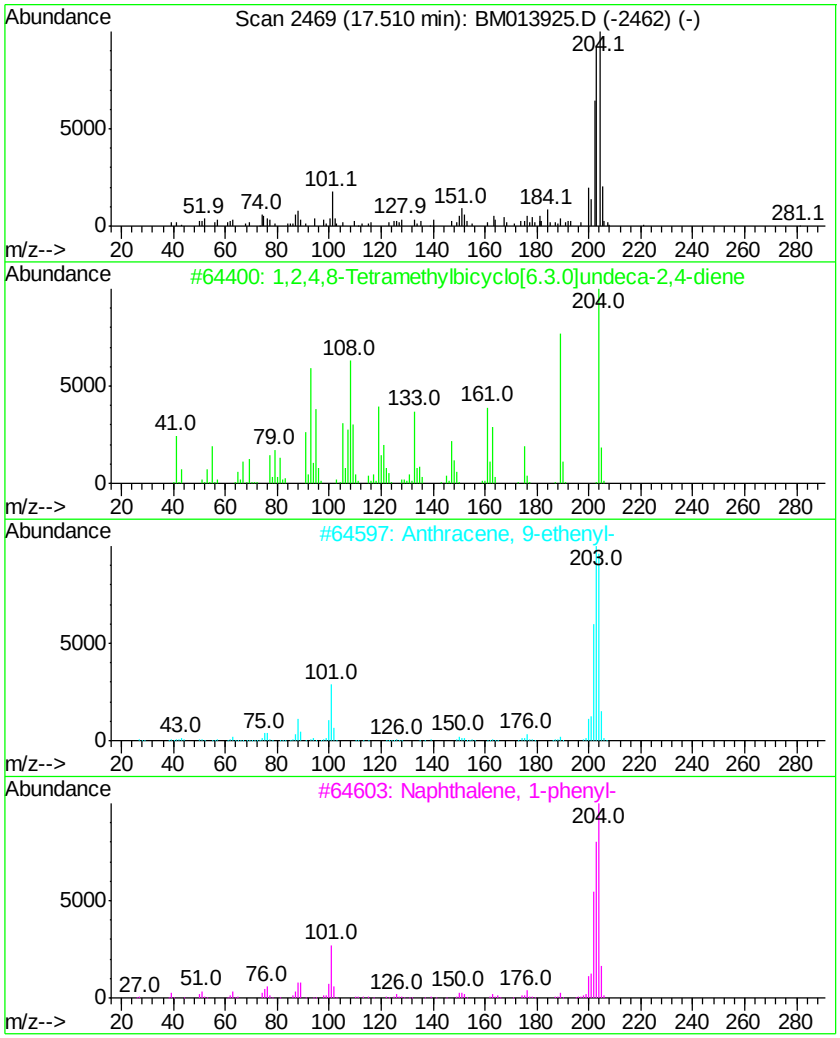
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

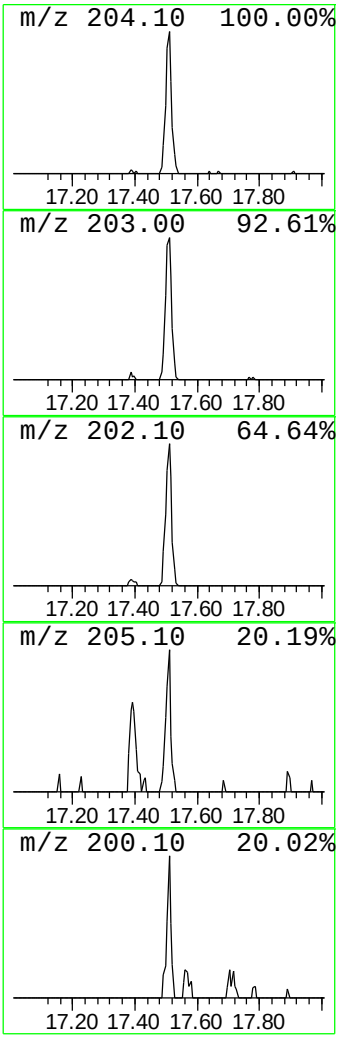
****

Peak Number 15 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.51	2.82 ng/ul	237098	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	78
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	76
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	76
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

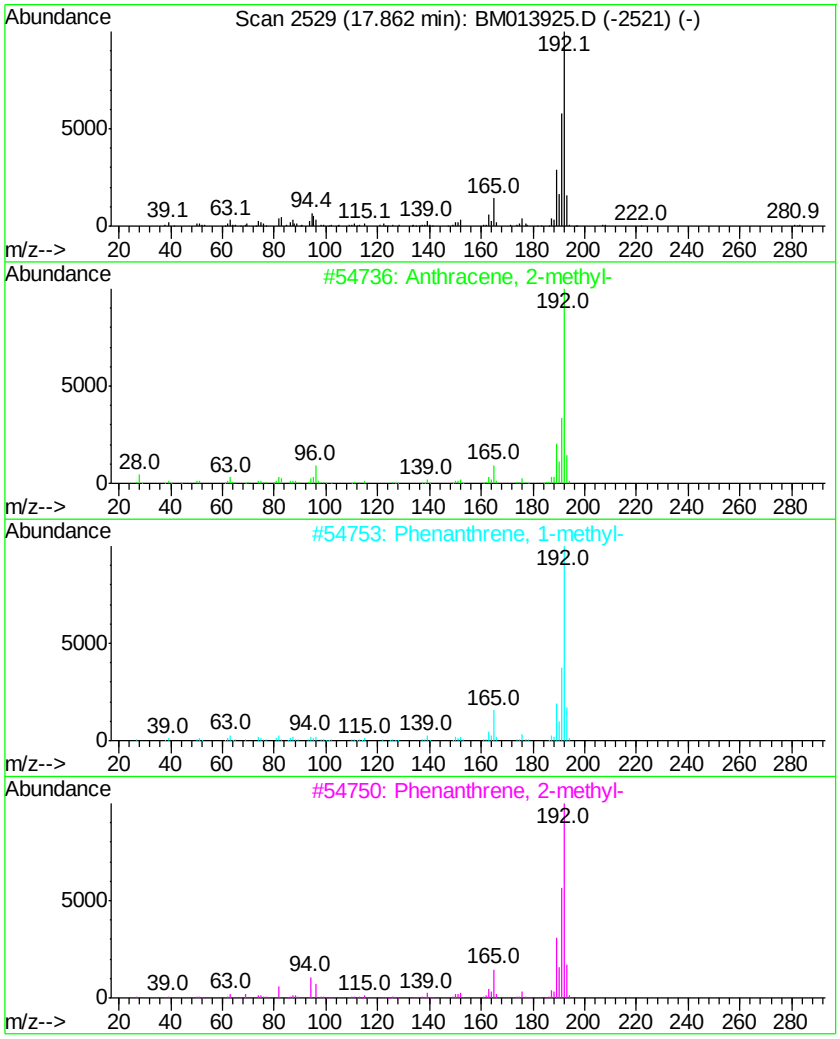
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

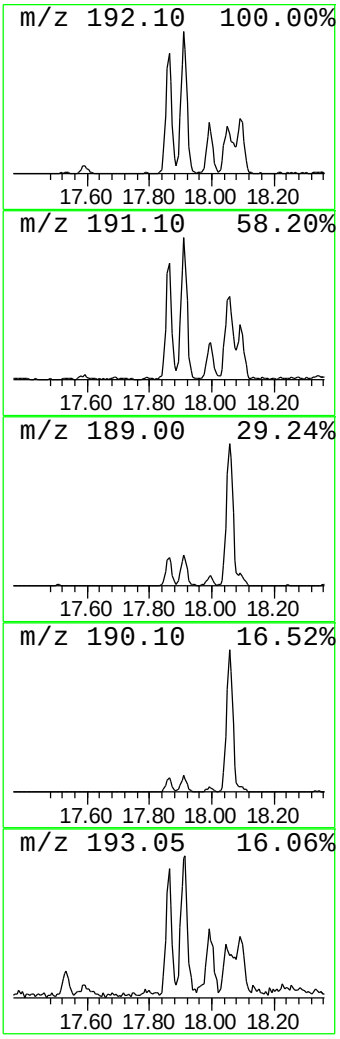
****

Peak Number 16 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	8.02 ng/ul	672864	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

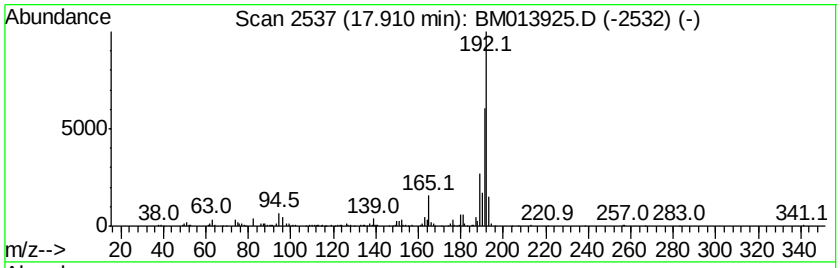
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

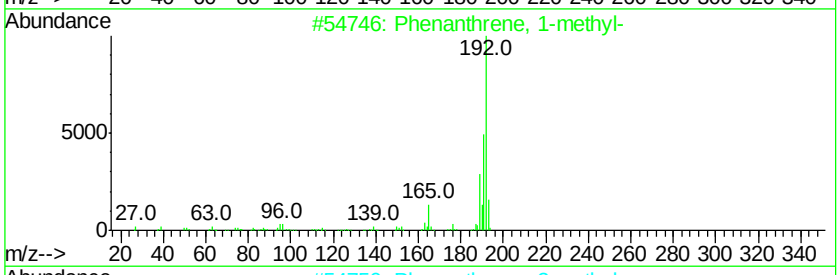
****

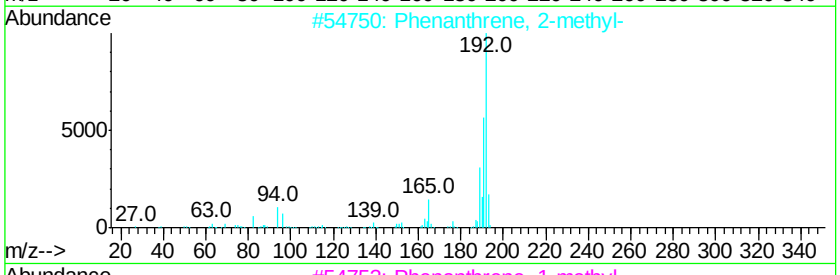
Peak Number 17 Phenanthrene, 1-methyl- Concentration Rank 3

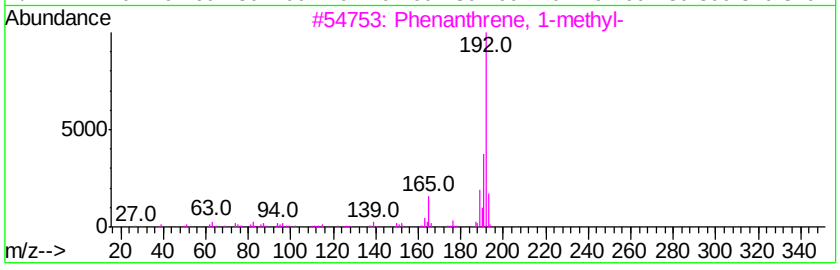
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	14.30 ng/ul	1199980	Phenanthrene-d10	16.99

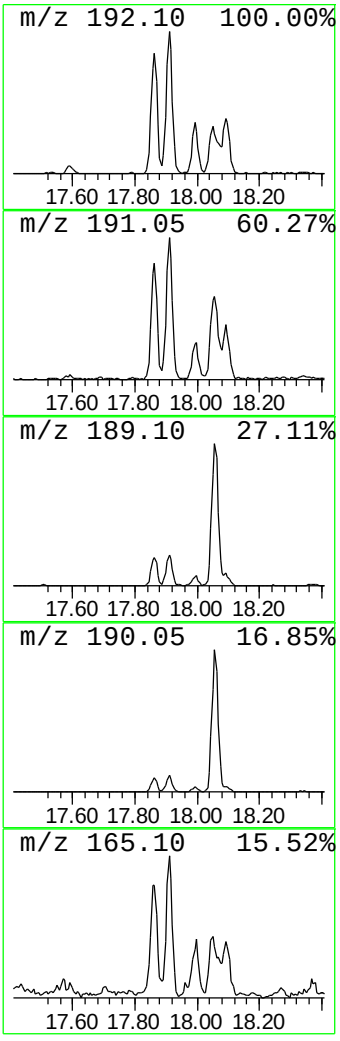
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94











Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

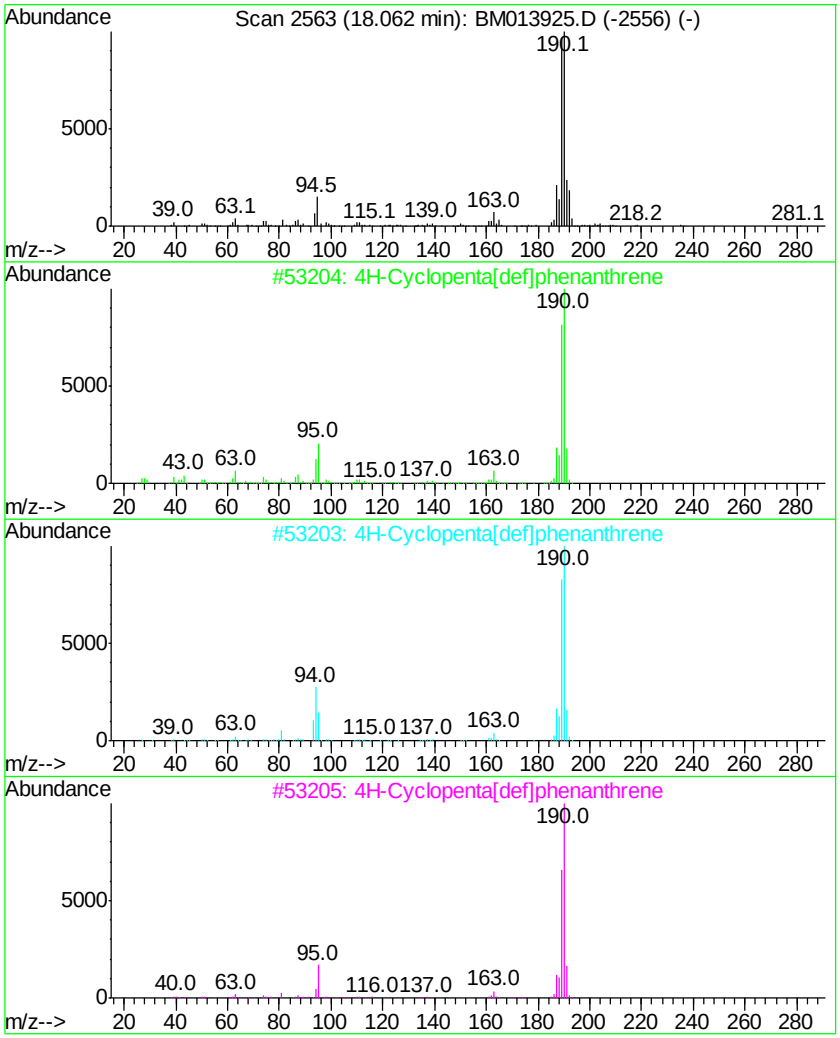
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

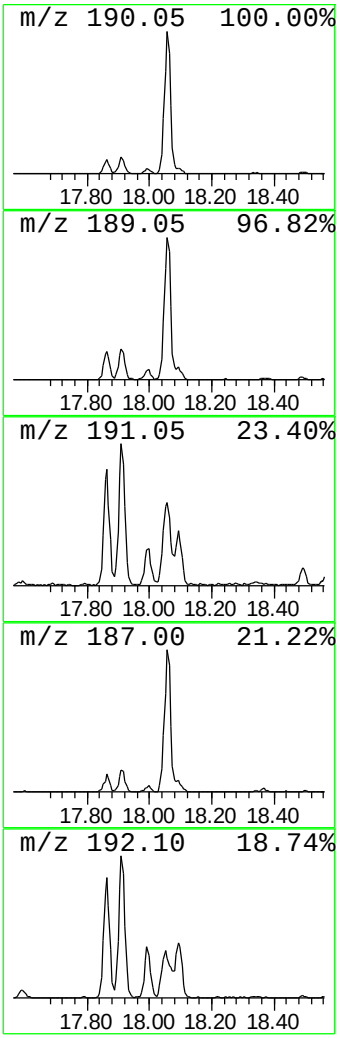
****

Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	15.60 ng/ul	1309410	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

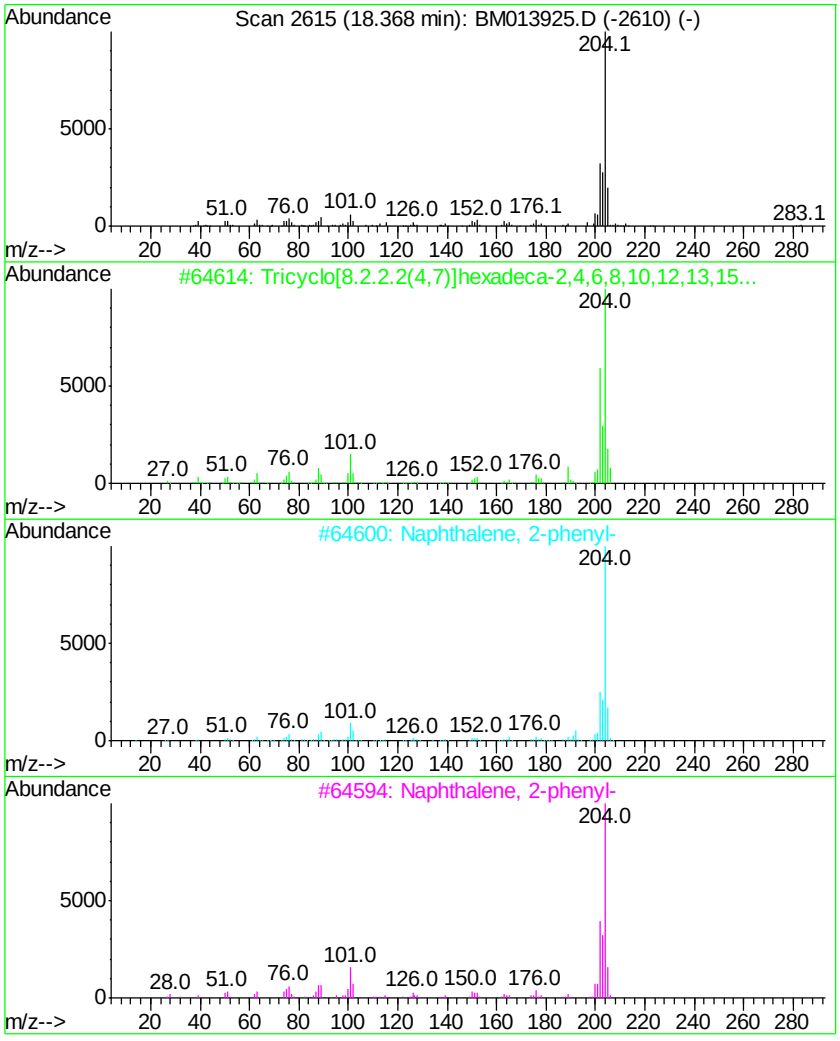
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

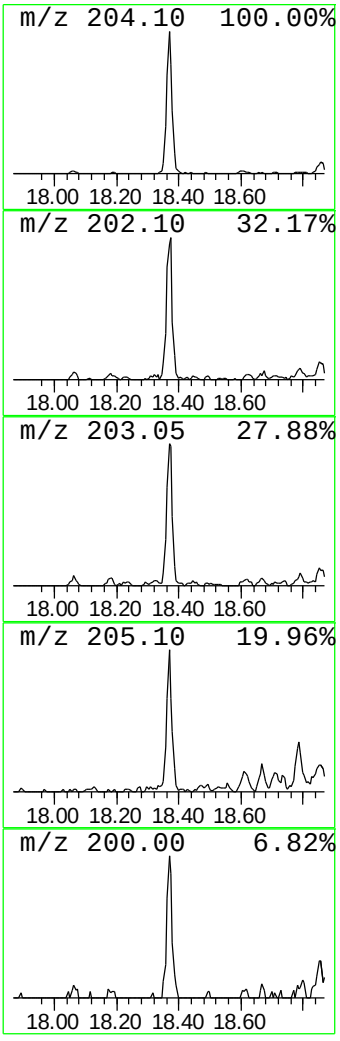
****

Peak Number 21 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	5.86 ng/ul	491488	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

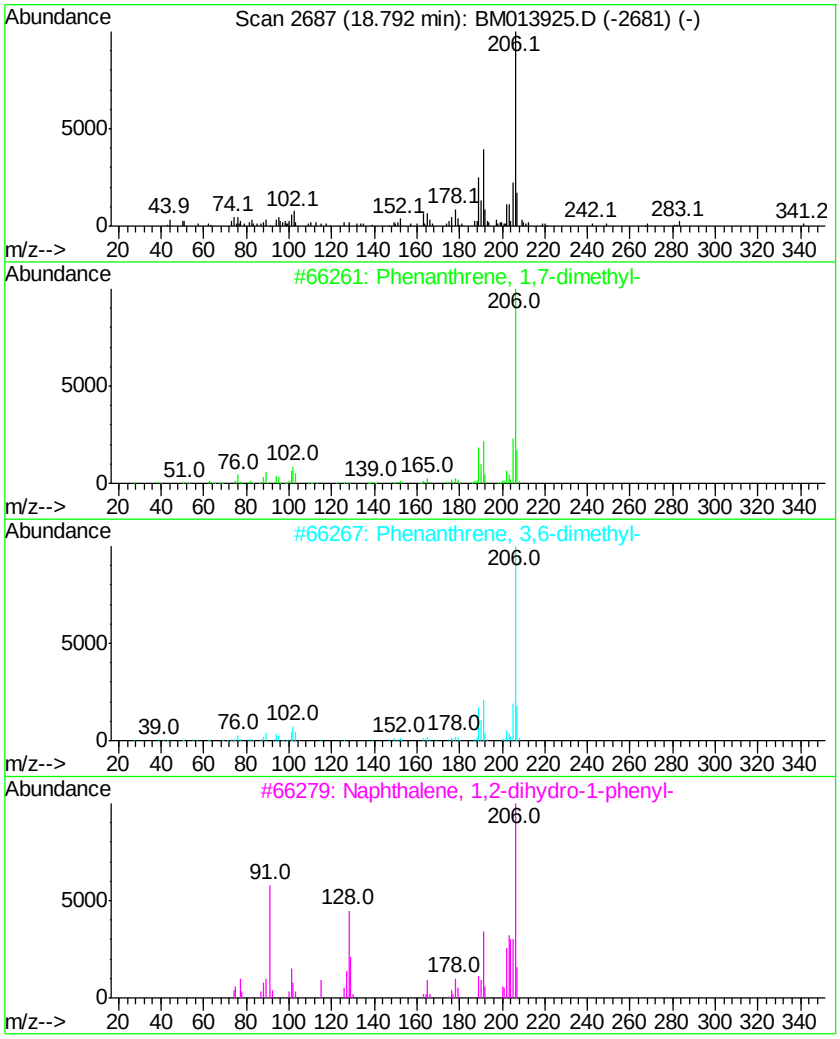
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

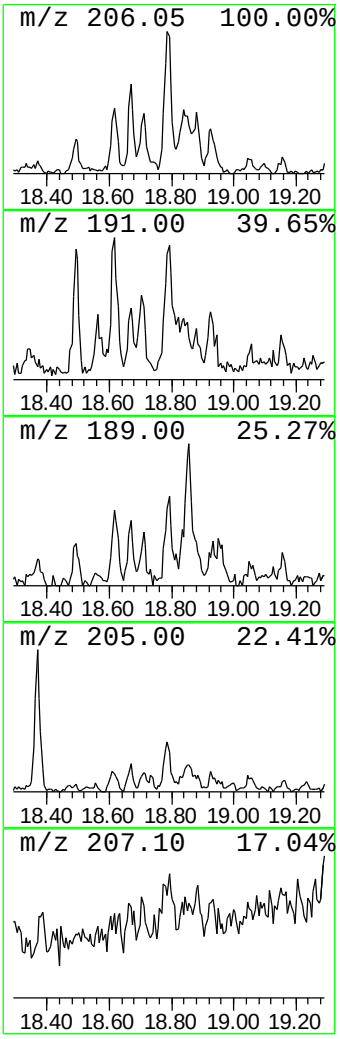
****

Peak Number 22 Phenanthrene, 1,7-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	2.30 ng/ul	193395	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

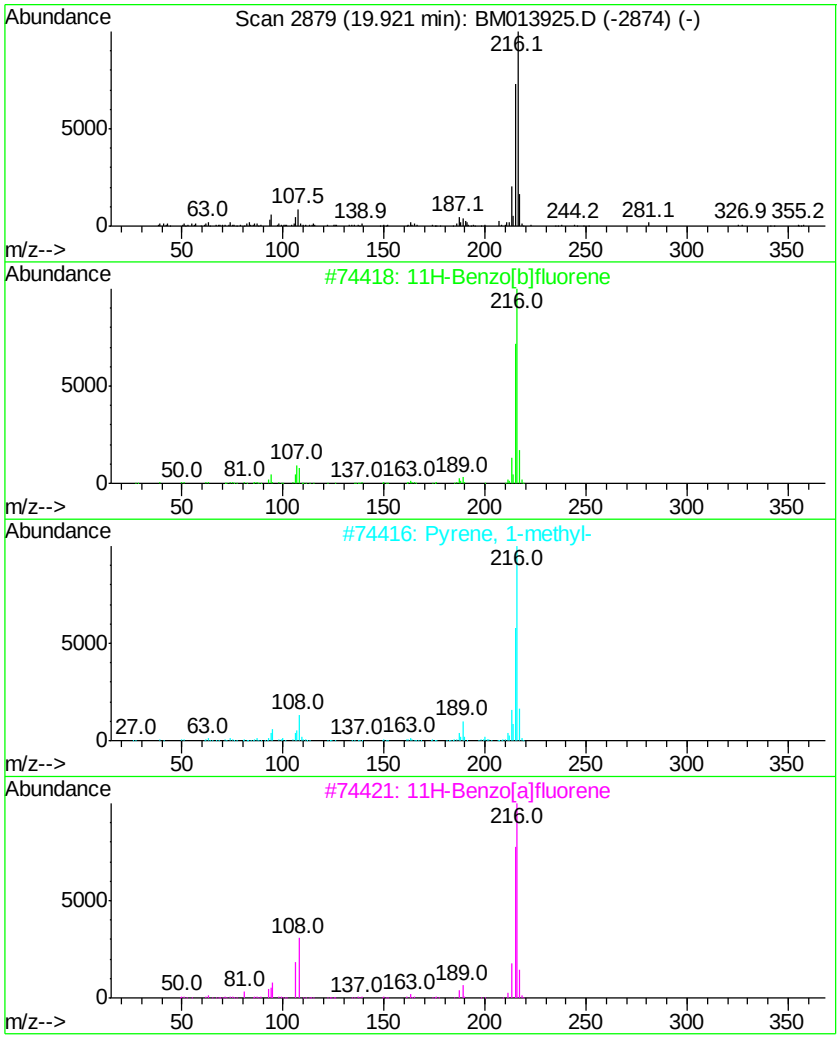
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

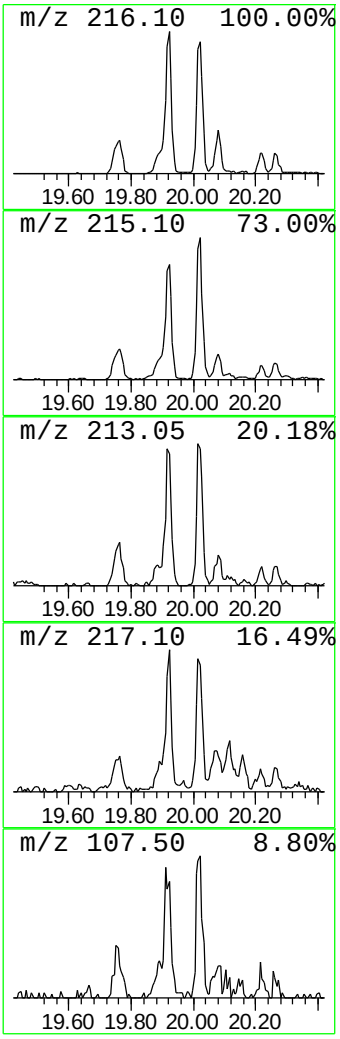
****

Peak Number 23 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	3.77 ng/ul	599650	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

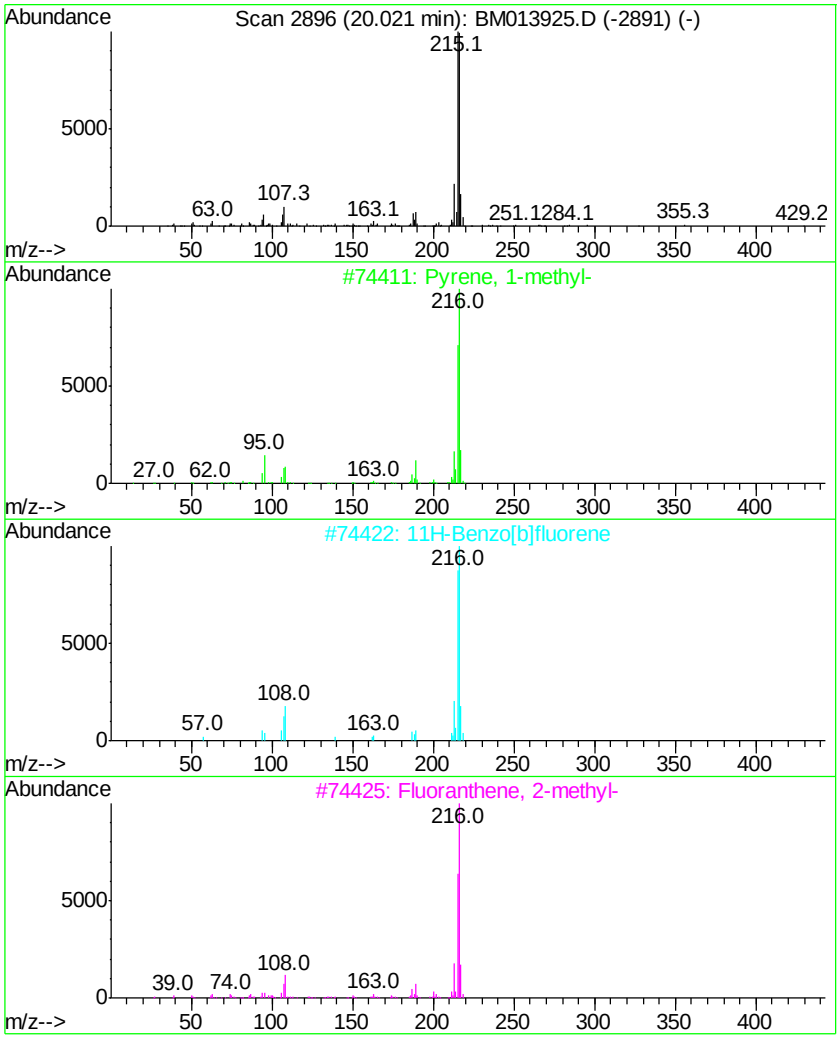
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

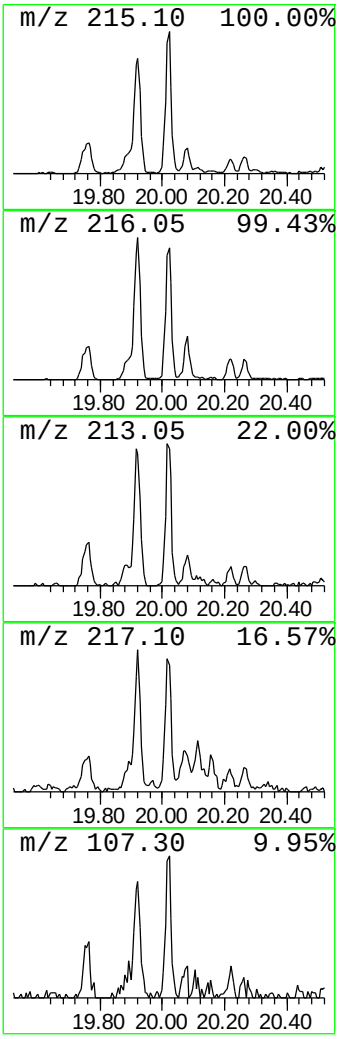
****

Peak Number 24 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	3.57 ng/ul	568170	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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

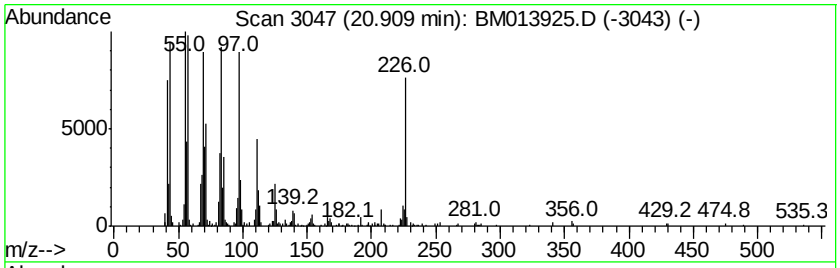
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

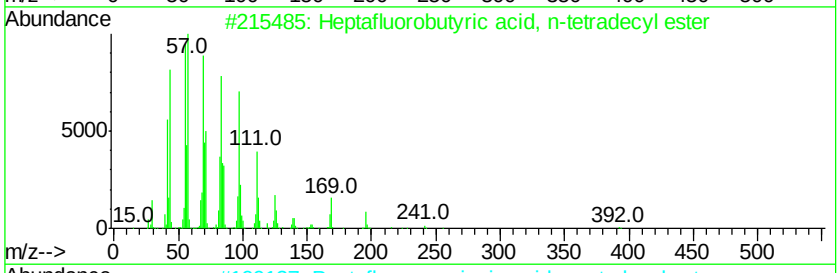
****

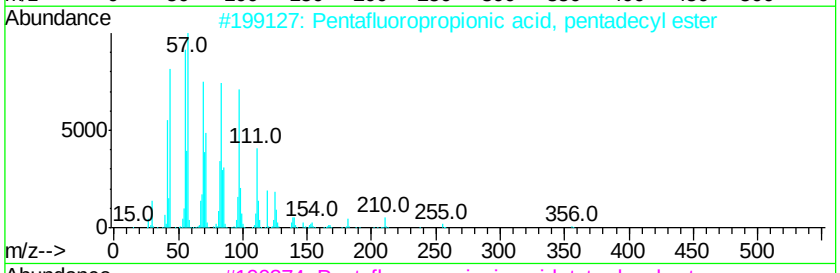
Peak Number 25 Heptafluorobutyric acid, n-... Concentration Rank 10

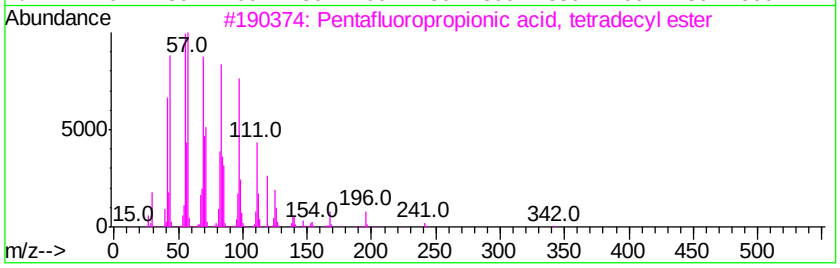
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	5.64 ng/ul	896876	Chrysene-d12	21.19

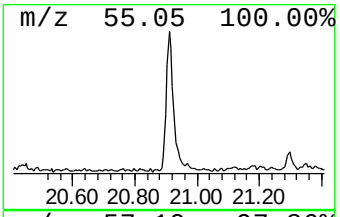
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	89
2	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	89
3	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	89
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	89
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	76

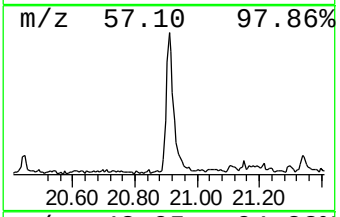


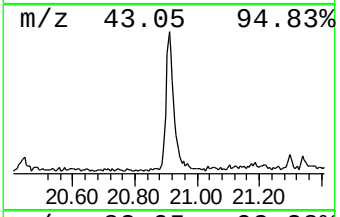


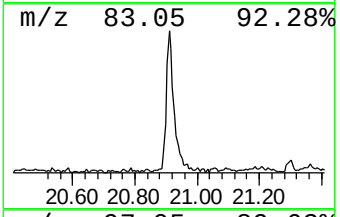


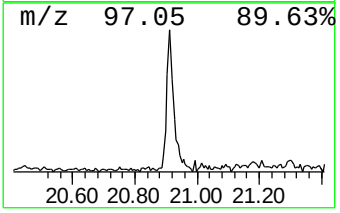












Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B53

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
Naphthalene, 1-me...	12.25	22.8	ng/ul	1200900	2	10.35	1054260	20.0
Naphthalene, 1-et...	13.25	3.5	ng/ul	297408	3	14.23	1694870	20.0
Naphthalene, 1,6-...	13.39	3.2	ng/ul	270166	3	14.23	1694870	20.0
unknown-01	13.40	3.5	ng/ul	294315	3	14.23	1694870	20.0
Naphthalene, 1,3-...	13.55	6.3	ng/ul	531600	3	14.23	1694870	20.0
Naphthalene, 1,4-...	13.79	2.5	ng/ul	207908	3	14.23	1694870	20.0
Naphthalene, 2,3,...	14.86	2.1	ng/ul	177082	3	14.23	1694870	20.0
Diphenylmethane	15.45	4.1	ng/ul	349019	3	14.23	1694870	20.0
Dibenzofuran, 4-m...	15.59	6.3	ng/ul	529294	3	14.23	1694870	20.0
6H-Dibenzo[b,d]-p...	15.73	7.4	ng/ul	621229	4	16.99	1678670	20.0
(DEL) Alkane: Str...	15.96	2.3	ng/ul	196134	4	16.99	1678670	20.0
Anthracene, 9,10-...	16.08	2.1	ng/ul	176206	4	16.99	1678670	20.0
9H-Fluorene, 1-me...	16.29	3.9	ng/ul	326227	4	16.99	1678670	20.0
Naphtho[2,1-b]thi...	16.80	7.9	ng/ul	663105	4	16.99	1678670	20.0
1,2,4,8-Tetrameth...	17.51	2.8	ng/ul	237098	4	16.99	1678670	20.0
Anthracene, 2-met...	17.86	8.0	ng/ul	672864	4	16.99	1678670	20.0
Phenanthrene, 1-m...	17.91	14.3	ng/ul	1199980	4	16.99	1678670	20.0
4H-Cyclopenta[def...	18.06	15.6	ng/ul	1309410	4	16.99	1678670	20.0
Tricyclo[8.2.2.2(...	18.37	5.9	ng/ul	491488	4	16.99	1678670	20.0
Phenanthrene, 1,7...	18.79	2.3	ng/ul	193395	4	16.99	1678670	20.0
11H-Benzo[b]fluorene	19.92	3.8	ng/ul	599650	5	21.19	3179220	20.0
Pyrene, 1-methyl-	20.02	3.6	ng/ul	568170	5	21.19	3179220	20.0
Heptafluorobutyri...	20.91	5.6	ng/ul	896876	5	21.19	3179220	20.0