LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013397.D
Acq On : 14 Dec 2017 05:05
Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

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-BM113017.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	7.681	775	781	790	rBV	700922	1100135	3.93%	0.758%
2	10.457	1247	1253	1258	rBV	956771	1594388	5.69%	1.099%
3	10.510	1258	1262	1269	rVB	245759	401956	1.43%	0.277%
4	12.128	1529	1537	1543	rBV	402195	639388	2.28%	0.441%
5	12.351	1564	1575	1583	rBV	426181	692089	2.47%	0.477%
6	13.345	1738	1744	1754	rVB	160304	312566	1.12%	0.215%
7	13.480	1757	1767	1769	rBV3	227487	393688	1.40%	0.271%
8	13.639	1787	1794	1799	rBV2	367815	653636	2.33%	0.451%
9	13.692	1799	1803	1807	rVV	242004	375155	1.34%	0.259%
10	13.739	1807	1811	1815	rVB	283283	382439	1.36%	0.264%
11	14.010	1851	1857	1861	rBV	316191	542013	1.93%	0.374%
12	14.321	1903	1910	1916	rBV2	1407295	2270260	8.10%	1.565%
13	14.392	1916	1922	1929	rVB	5512934	7881440	28.13%	5.434%
14	14.539	1941	1947	1956	rBV4	118425	300852	1.07%	0.207%
15	14.633	1956	1963	1969	rVB	281331	443709	1.58%	0.306%
16	14.727	1969	1979	1987	rBV	2822392	4197101	14.98%	2.894%
17	15.321	2072	2080	2084	rBV2	414238	630216	2.25%	0.435%
18	15.380	2084	2090	2095	rVV	4189435	6017898	21.48%	4.149%
19	15.468	2099	2105	2107	rBV3	237400	378814	1.35%	0.261%
20	15.498	2107	2110	2113	rVV	330417	468407	1.67%	0.323%
21	15.539	2113	2117	2121	rVB2	589300	836801	2.99%	0.577%
22	15.627	2128	2132	2135	rVV2	262182	348369	1.24%	0.240%
23	15.668	2135	2139	2148	rVB	686753	992633	3.54%	0.684%
24	15.816	2155	2164	2172	rVV	733599	1446600	5.16%	0.997%
25	15.904	2172	2179	2186	rVB2	138764	318531	1.14%	0.220%
26	16.339	2248	2253	2255	rBV2	216561	331574	1.18%	0.229%
27	16.380	2255	2260	2265	rVV2	459478	781122	2.79%	0.539%
28	16.527	2279	2285	2290	rVB2	194769	364102	1.30%	0.251%
29	16.733	2315	2320	2327	rVB2	253114	404820	1.44%	0.279%
30	16.827	2327	2336	2341	rBV2	508558	1052855	3.76%	0.726%
31	16.892	2341	2347	2360	rVB	1221918	1815110	6.48%	1.251%
32	17.074	2367	2378	2381	rBV2	1899198	3006123	10.73%	2.073%
33	17.127	2381	2387	2392	rVV	20131491	28022762	100.00%	19.320%
34	17.174	2392	2395	2398	rVV2	828646	1218984	4.35%	0.840%

LSC Area Percent Report

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Data File : BM013397.D
Acq On : 14 Dec 2017 05:05
Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

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-BM113017.M
Title : SVOA CALIBRATION

35	17.210	2398	2401	2406	rVB	1177702	1521904	5.43%	1.049%
36	17.451	2436	2442	2444	rBV	275047	430412	1.54%	0.297%
37	17.480	2444	2447	2452	rVB	699826	902438	3.22%	0.622%
38	17.598	2461	2467	2472	rBV2	256437	414537	1.48%	0.286%
39	17.651	2472	2476	2485	rVB4	133773	283066	1.01%	0.195%
40	17.951	2517	2527	2530	rBV	1183400	1738502	6.20%	1.199%
41	17.998	2530	2535	2541	rVB	1634650	2301009	8.21%	1.586%
42	18.080	2541	2549	2554	rBV	520017	823618	2.94%	0.568%
43	18.145	2554	2560	2564	rVV2	2223469	3619388	12.92%	2.495%
44	18.180	2564	2566	2572	rVB	535130	603747	2.15%	0.416%
45	18.451	2607	2612	2616	rBV	845290	1101385	3.93%	0.759%
46	18.498	2616	2620	2624	rVB	203598	302031	1.08%	0.208%
47	18.698	2646	2654	2658	rBV2	226088	360822	1.29%	0.249%
48	18.868	2678	2683	2688	rBV2	262512	464456	1.66%	0.320%
49	19.009	2703	2707	2715	rVB7	132755	307351	1.10%	0.212%
50	19.145	2723	2730	2735	rBV	12627574	17535470	62.58%	12.090%
51	19.380	2766	2770	2774	rVB	282898	404239	1.44%	0.279%
52	19.474	2780	2786	2787	rBV	2668926	3561565	12.71%	2.456%
53	19.503	2787	2791	2798	rVV	8291246	11414505	40.73%	7.870%
54	19.568	2798	2802	2810	rVB	381065	558867	1.99%	0.385%
55	19.680	2816	2821	2826	rBV	536051	701685	2.50%	0.484%
56	19.821	2839	2845	2852	rBV4	391234	990175	3.53%	0.683%
57	19.962	2863	2869	2870	rBV3	275082	440189	1.57%	0.303%
58	19.998	2870	2875	2880	rVB	1248518	1842695	6.58%	1.270%
59	20.098	2887	2892	2896	rBV	1230684	1585559	5.66%	1.093%
60	20.151	2896	2901	2905	rVV2	423511	764207	2.73%	0.527%
61	20.192	2905	2908	2912	rVB	289968	366117	1.31%	0.252%
62	20.292	2921	2925	2929	rBV	210499	285165	1.02%	0.197%
63	20.339	2929	2933	2937	rVB3	243215	368410	1.31%	0.254%
64	20.909	3025	3030	3033	rBV	331741	454768	1.62%	0.314%
65	20.950	3033	3037	3040	rVV	393206	533016	1.90%	0.367%
66	20.986	3040	3043	3048	rVV2	347190	626927	2.24%	0.432%
67	21.039	3048	3052	3057	rVB3	176241	293924	1.05%	0.203%
68	21.262	3082	3090	3094	rBV2	3772816	7292041	26.02%	5.027%
69	21.303	3094	3097	3107	rVB	1546887	1983918	7.08%	1.368%
70	21.415	3112	3116	3123	rVV	389831	524599	1.87%	0.362%
71	21.574	3138	3143	3149	rBV3	165813	328220	1.17%	0.226%

LSC Area Percent Report

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Acq On : 14 Dec 2017 05:05
Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

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-BM113017.M
Title : SVOA CALIBRATION

72	22.821	3350	3355	3361	rBV	615551	1408663	5.03%	0.971%
73	23.297	3431	3436	3439	rBV2	213169	352212	1.26%	0.243%
74	23.344	3440	3444	3448	rVV	354525	646049	2.31%	0.445%
75	23.386	3448	3451	3458	rVB	390688	713491	2.55%	0.492%
76	23.486	3461	3468	3475	rBV	1695388	3275223	11.69%	2.258%

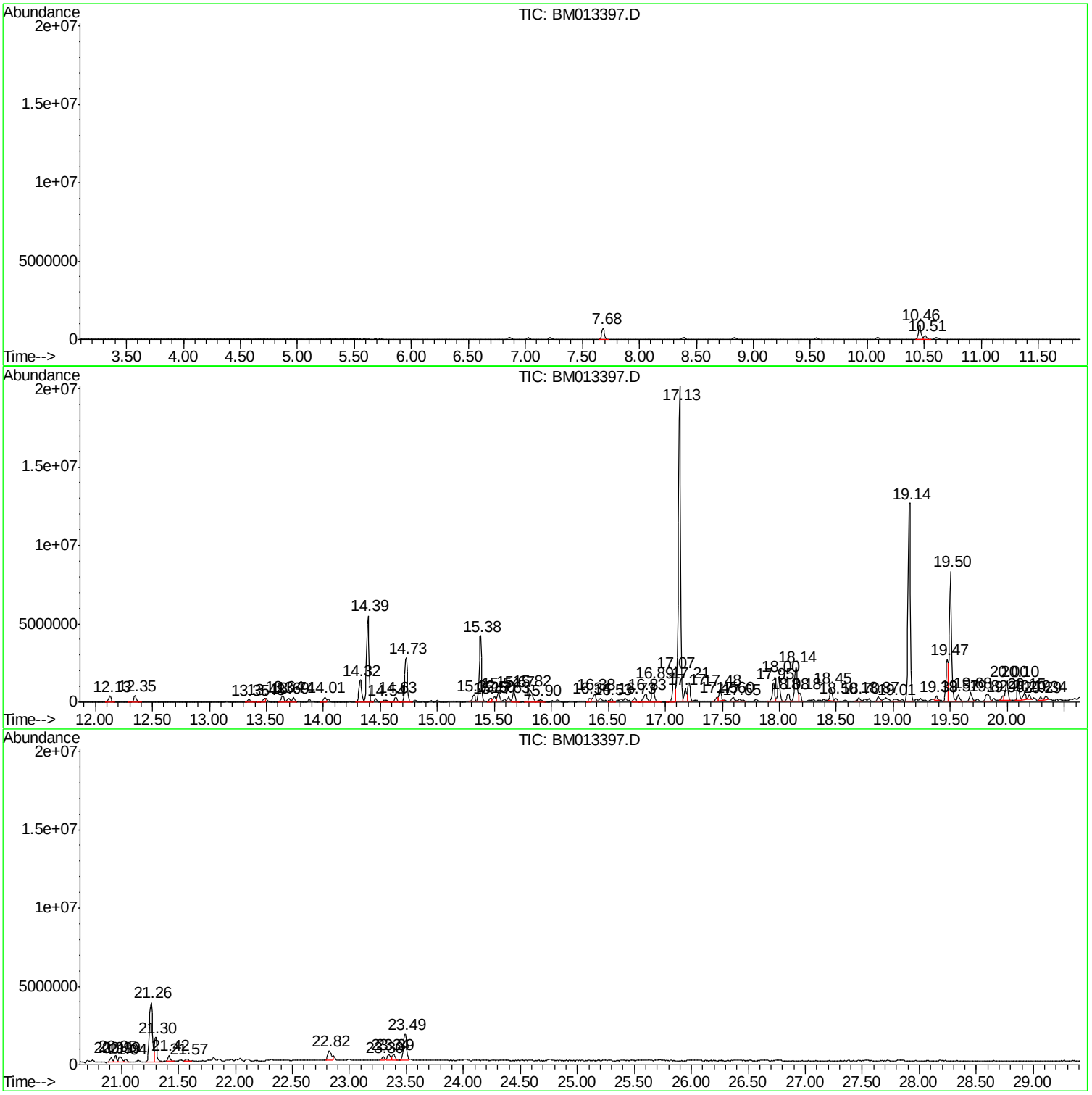
Sum of corrected areas: 145043101

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013397.D
Acq On : 14 Dec 2017 05:05
Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013397.D
Acq On : 14 Dec 2017 05:05
Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

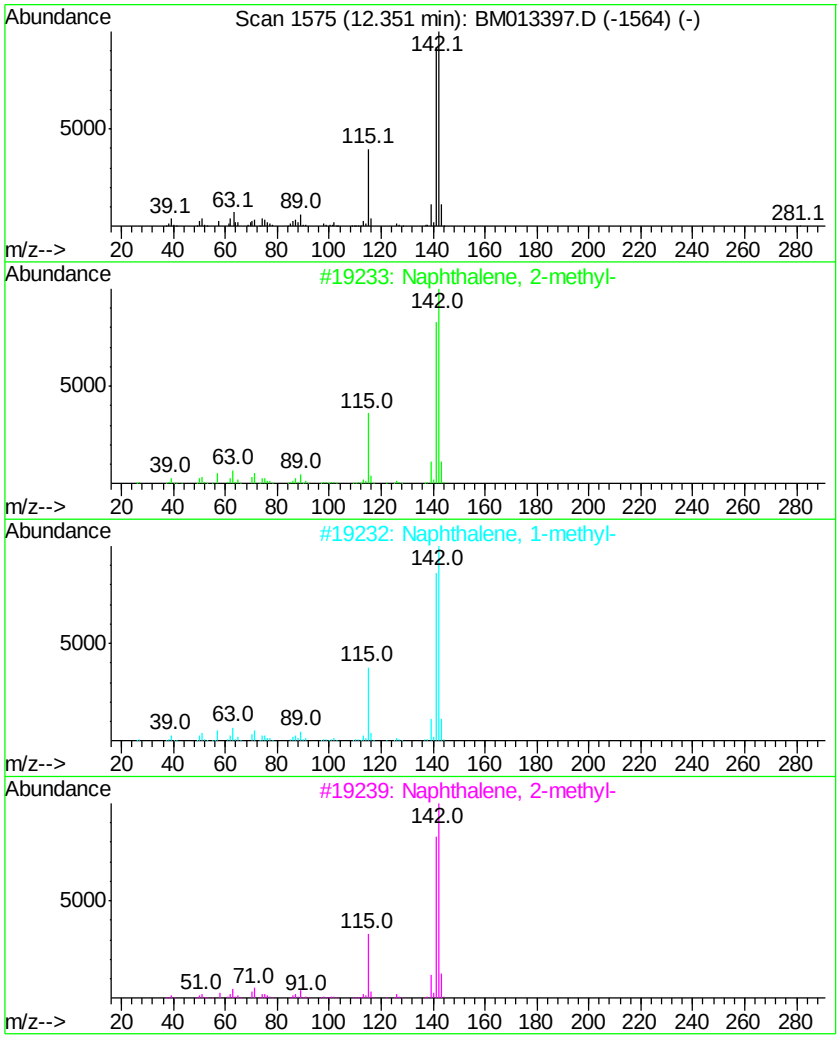
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

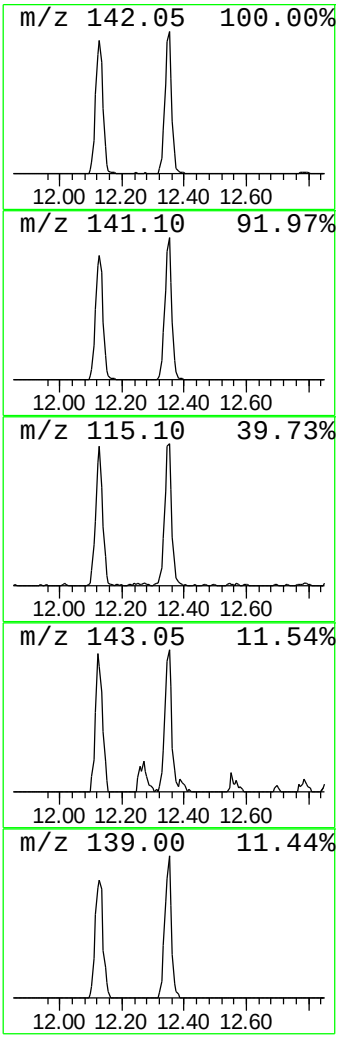
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	8.68 ng/ul	692089	Naphthalene-d8	10.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013397.D
Acq On : 14 Dec 2017 05:05
Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

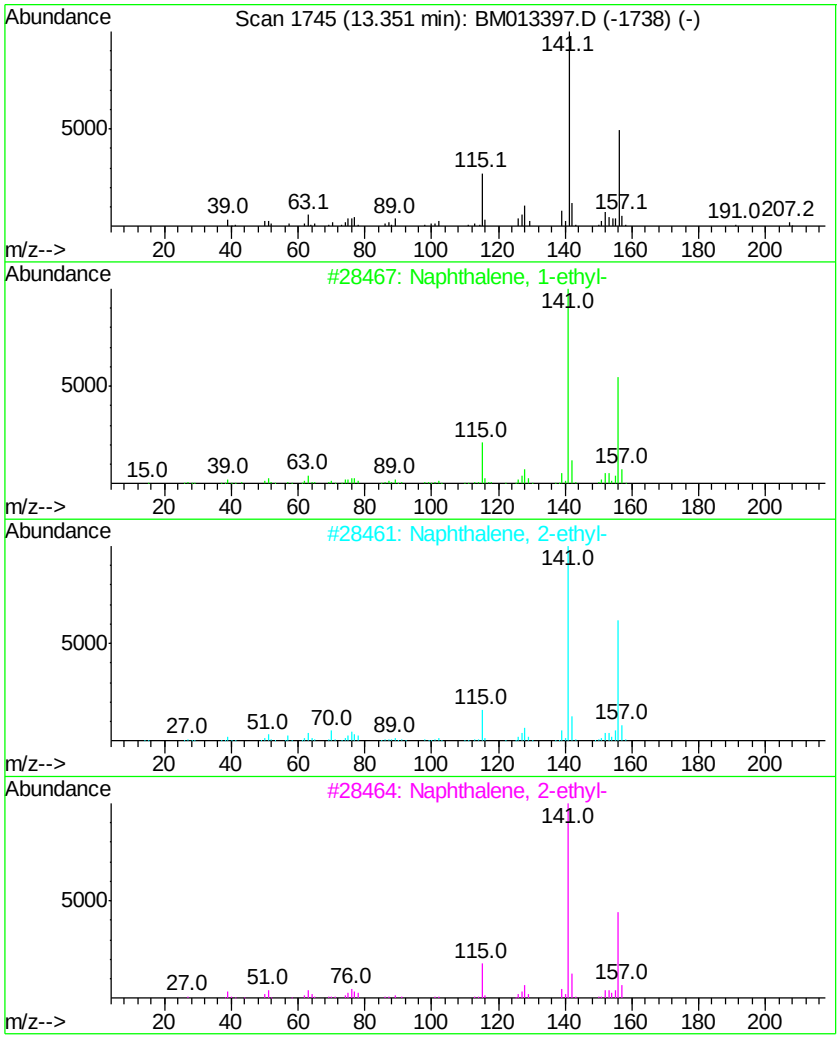
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

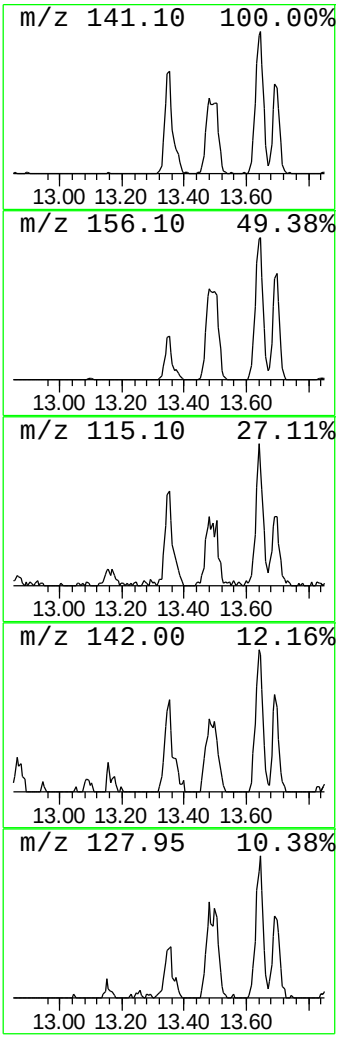
****

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	2.75 ng/ul	312566	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013397.D
Acq On : 14 Dec 2017 05:05
Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

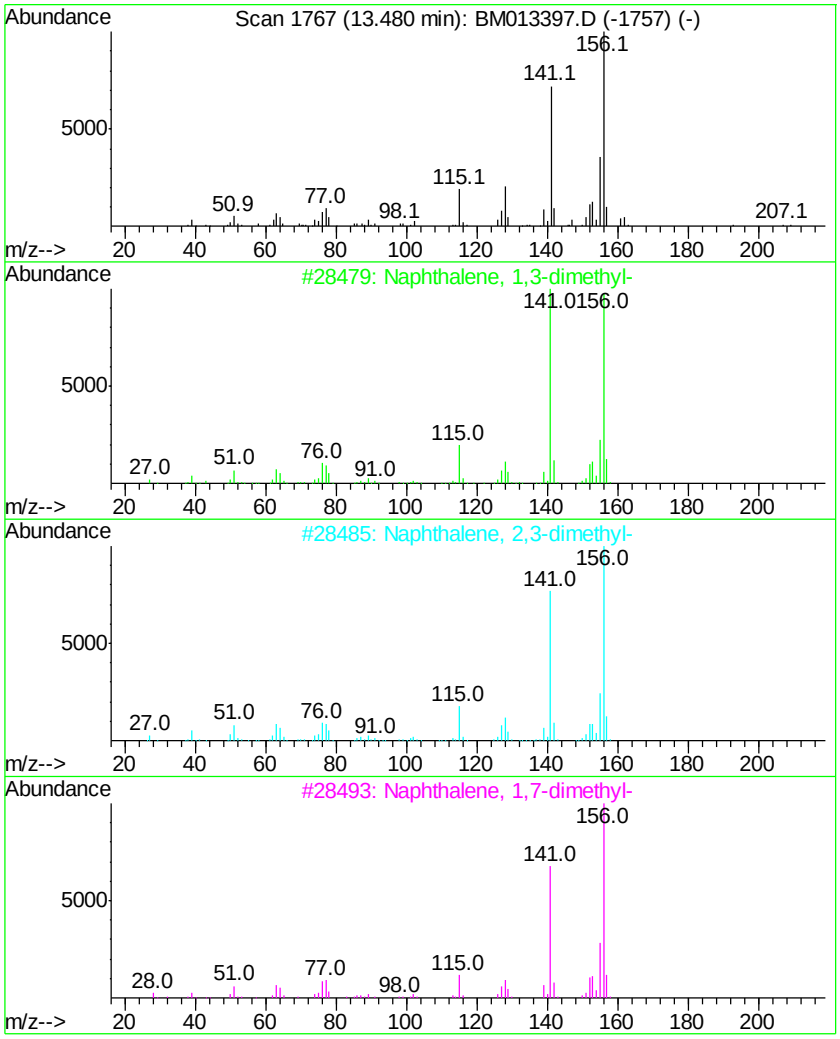
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

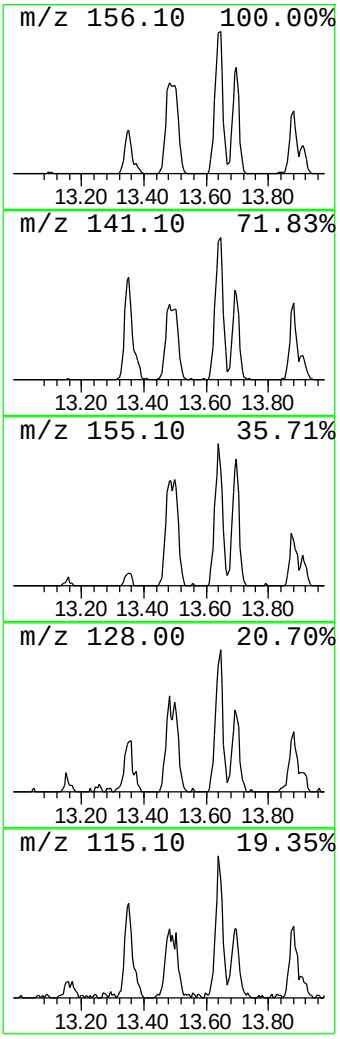
****

Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	3.47 ng/ul	393688	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
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Acq On : 14 Dec 2017 05:05
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Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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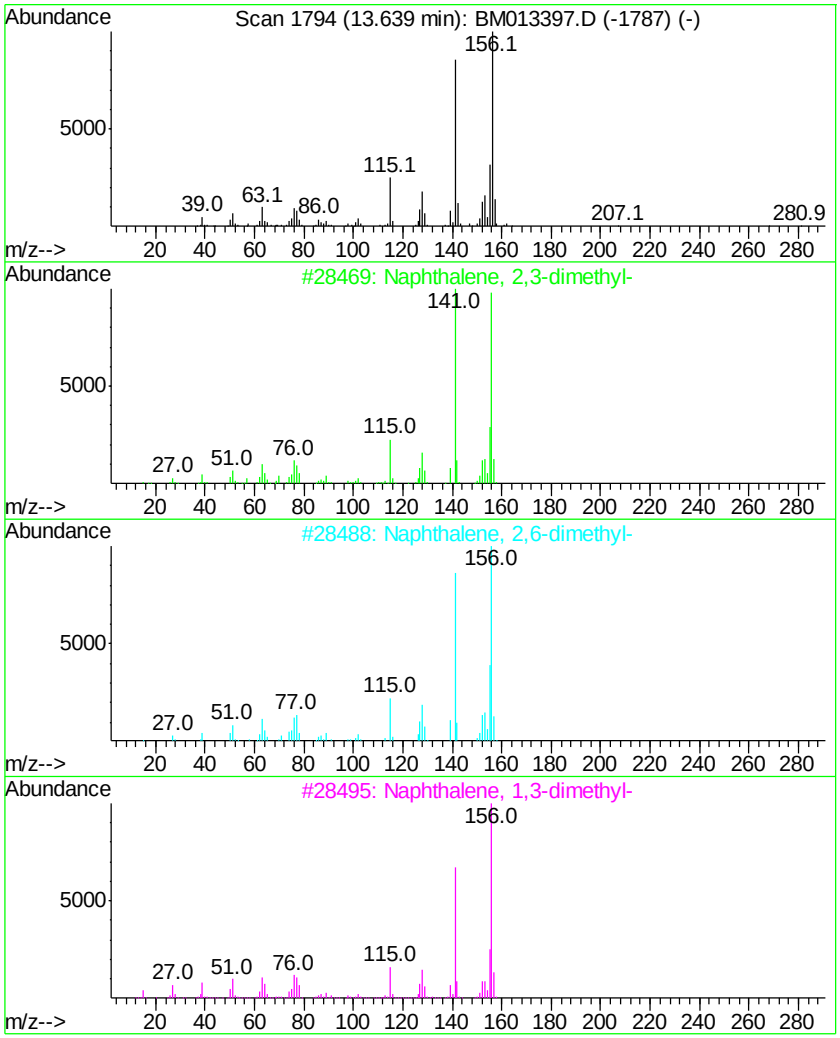
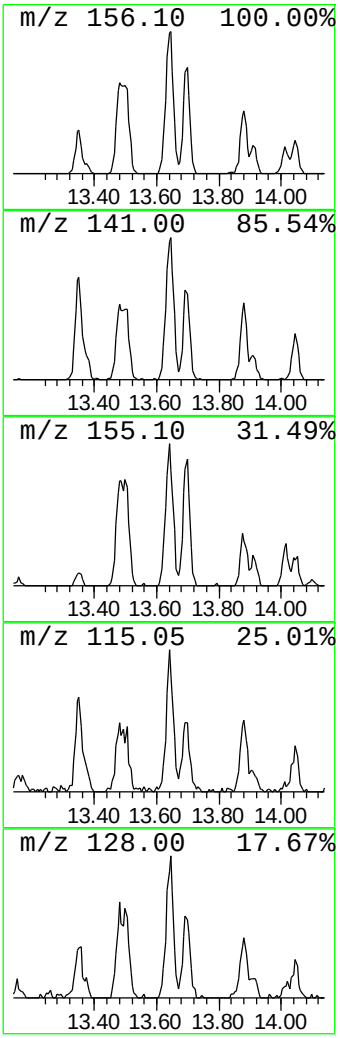
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	5.76 ng/ul	653636	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013397.D
Acq On : 14 Dec 2017 05:05
Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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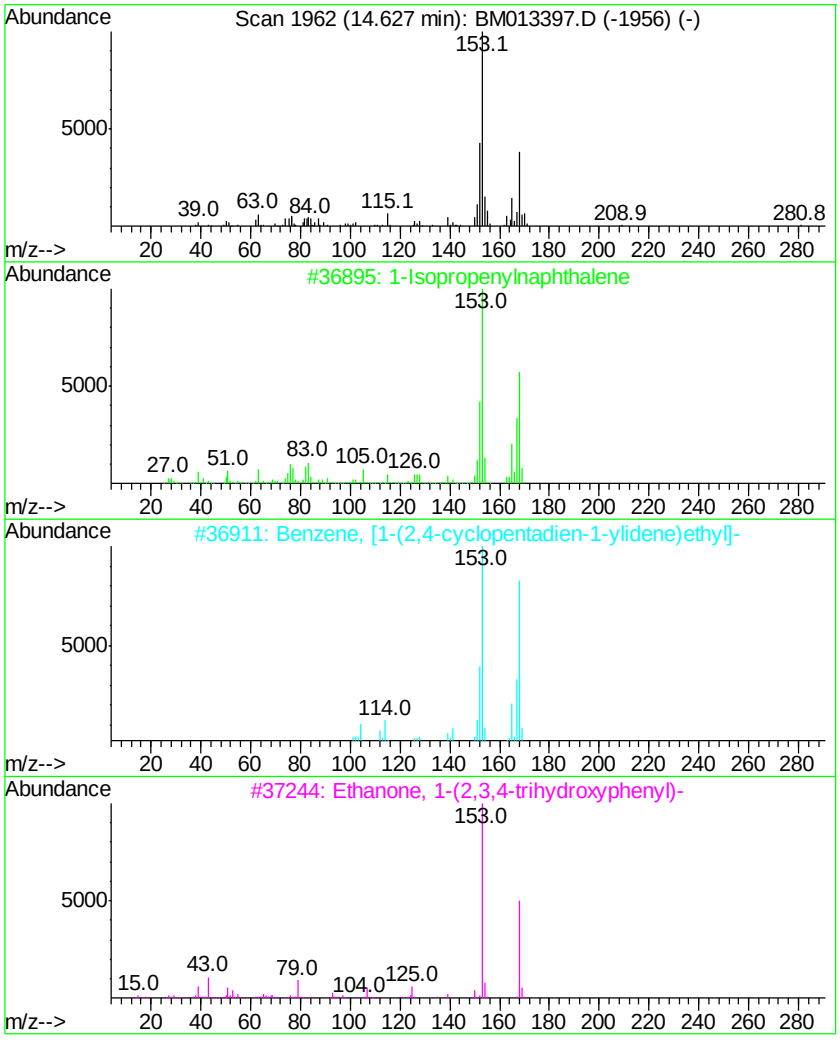
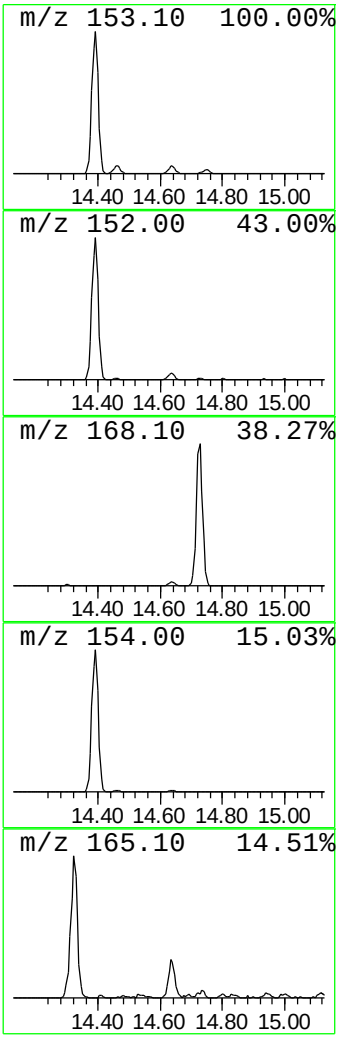
Peak Number 5 1-Isopropenylnaphthalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	3.91 ng/ul	443709	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	90
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	52
4	Benzene, 2-chloro-1-methyl-4-(1-...	168	C10H13Cl	004395-79-3	50
5	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	50





Library Search Compound Report

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Data File : BM013397.D
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Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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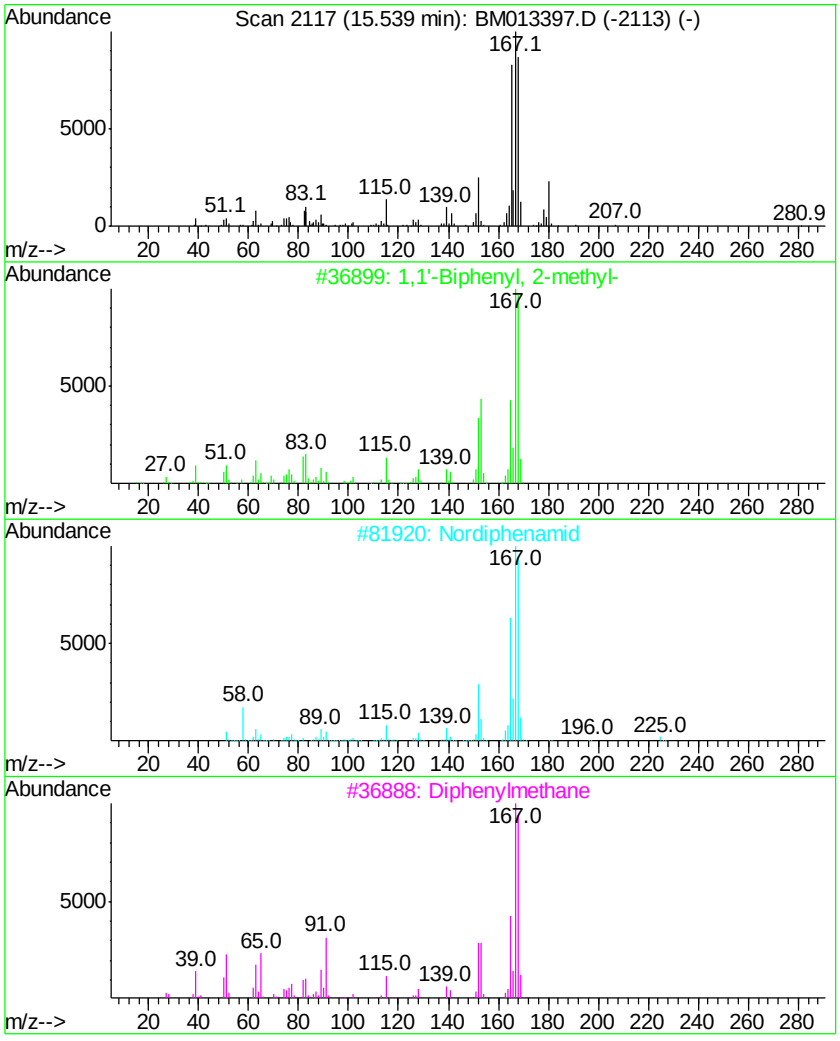
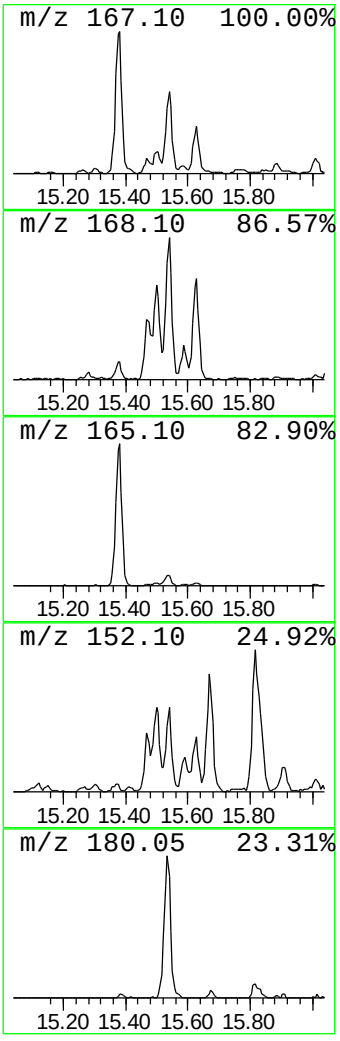
Peak Number 6 1,1'-Biphenyl, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	7.37 ng/ul	836801	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83
2	Nordiphenamid	225	C15H15NO	000954-21-2	72
3	Diphenylmethane	168	C13H12	000101-81-5	64
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	53
5	Diphenylmethane	168	C13H12	000101-81-5	52





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ClientSampleId : F9A20ME

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Quant Title : SVOA CALIBRATION

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

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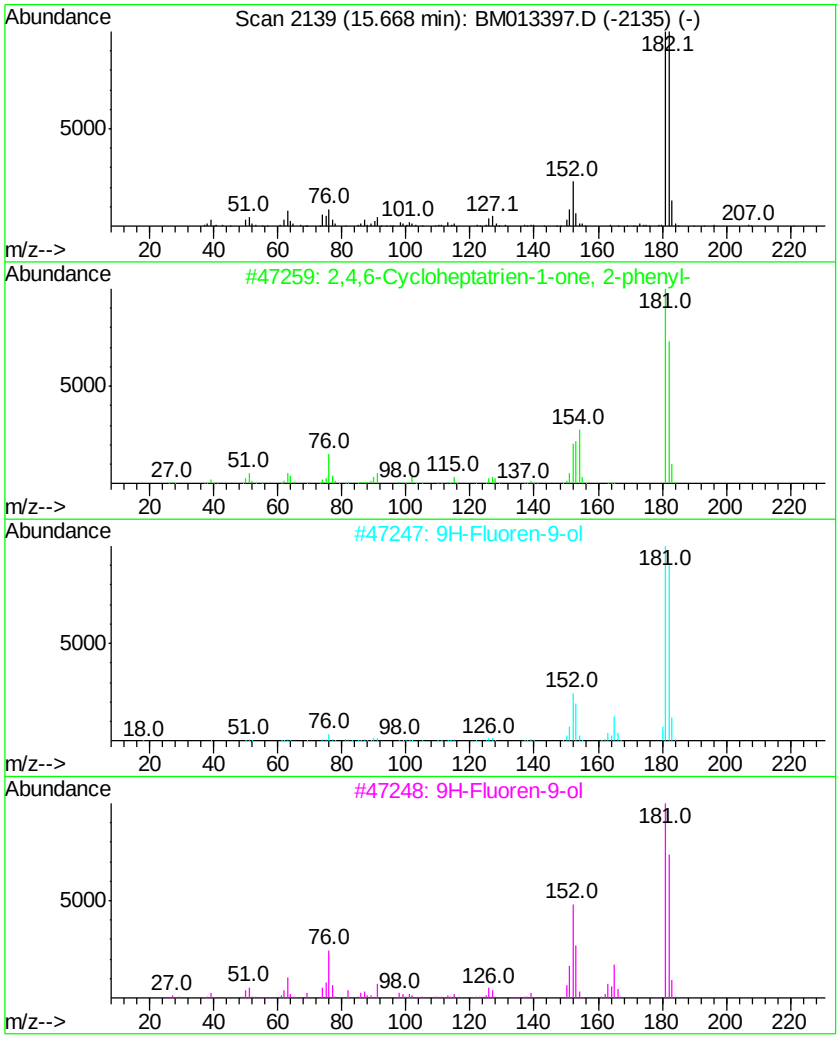
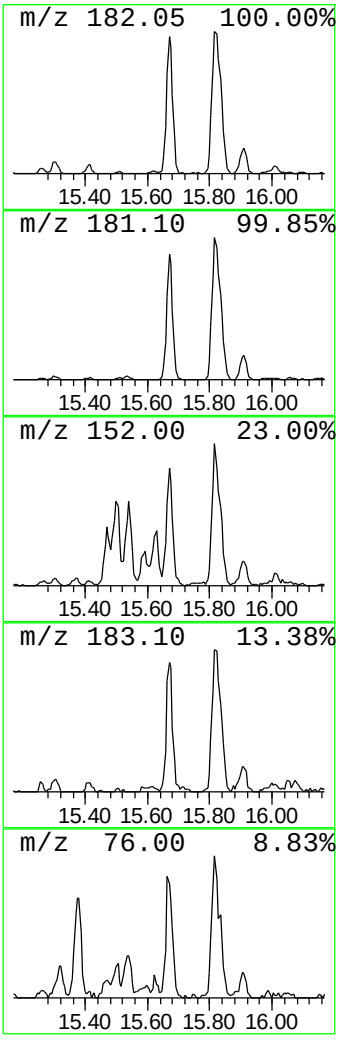
Peak Number 8 2,4,6-Cycloheptatrien-1-one... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	8.74 ng/ul	992633	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	70





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Quant Title : SVOA CALIBRATION

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

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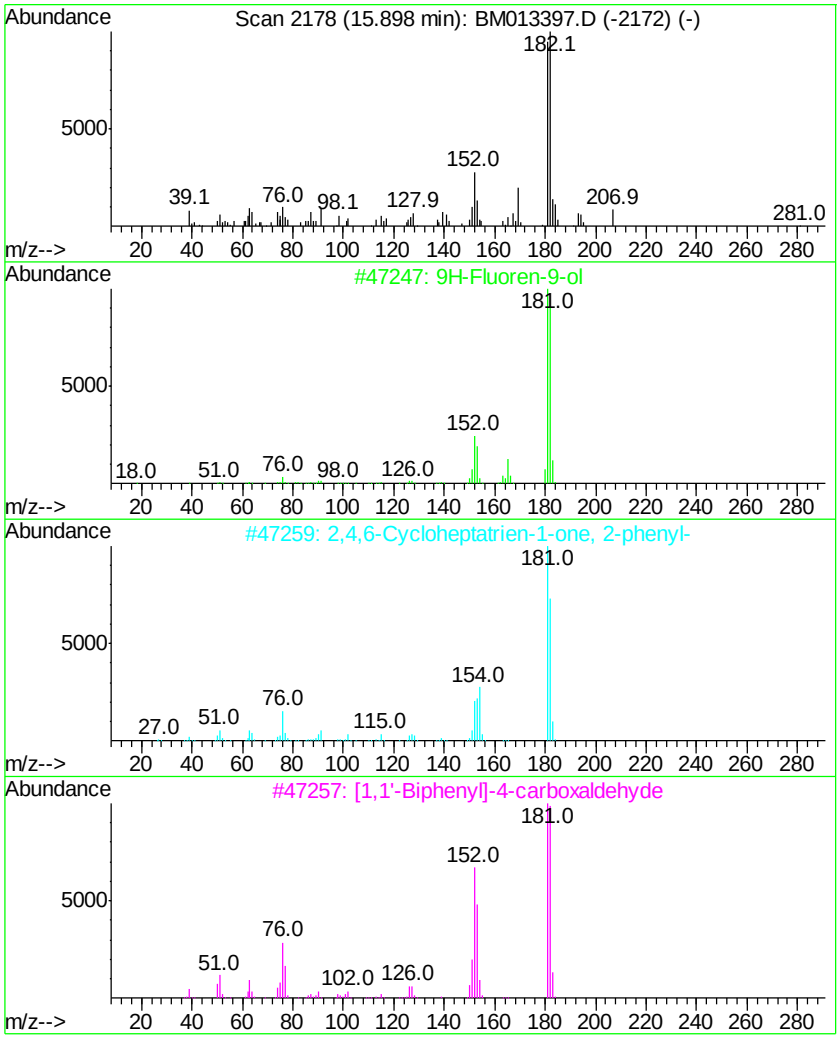
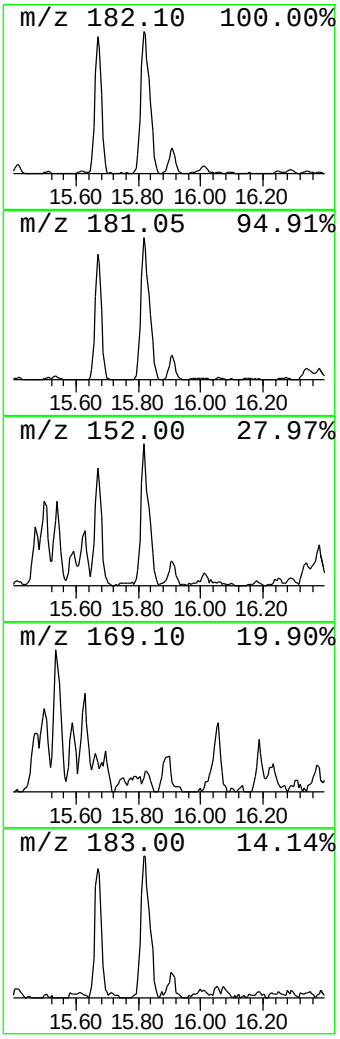
Peak Number 10 9H-Fluoren-9-ol Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	2.12 ng/ul	318531	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	70





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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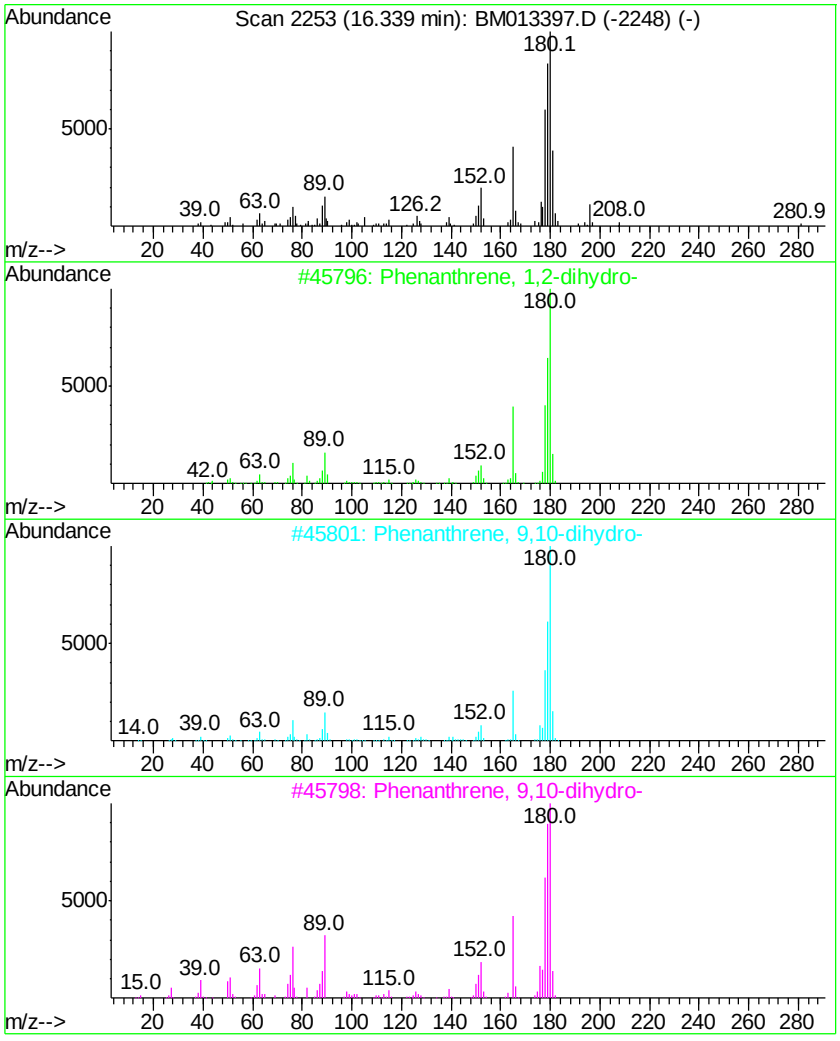
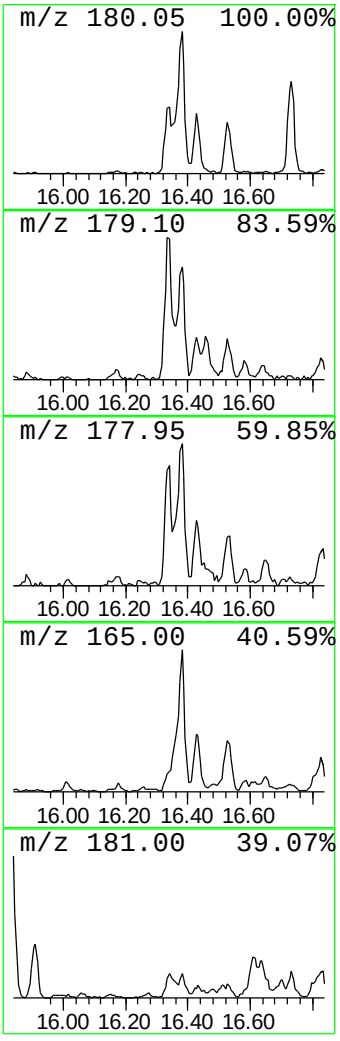
Peak Number 11 Phenanthrene, 1,2-dihydro- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	2.21 ng/ul	331574	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,2-dihydro-	180	C14H12	056179-83-0	93
2	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	86
3	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	86
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	86
5	(E)-Stilbene	180	C14H12	000103-30-0	86





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Instrument : BNA_M
ClientSampleId : F9A20ME

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Quant Title : SVOA CALIBRATION

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

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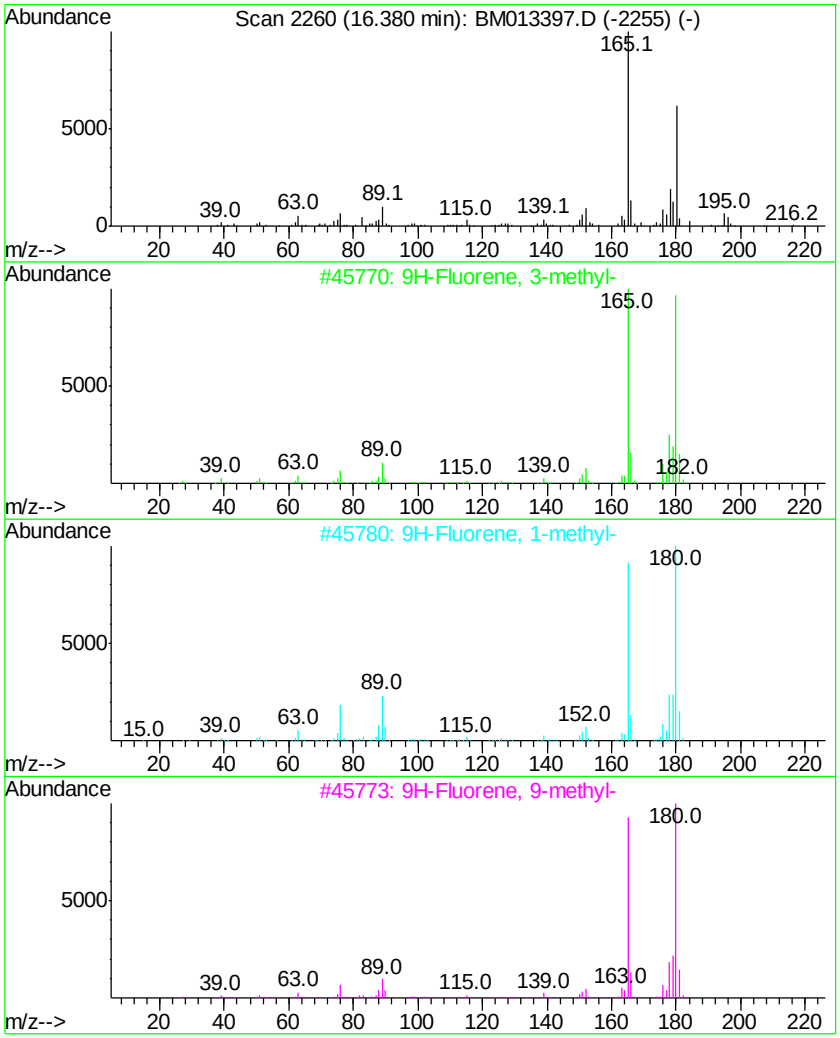
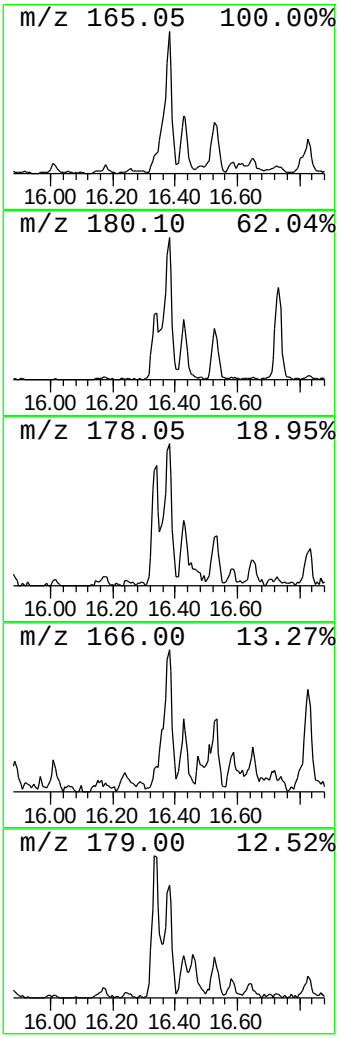
Peak Number 12 9H-Fluorene, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	5.20 ng/ul	781122	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	91
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	87
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	87
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	72





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Quant Title : SVOA CALIBRATION

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

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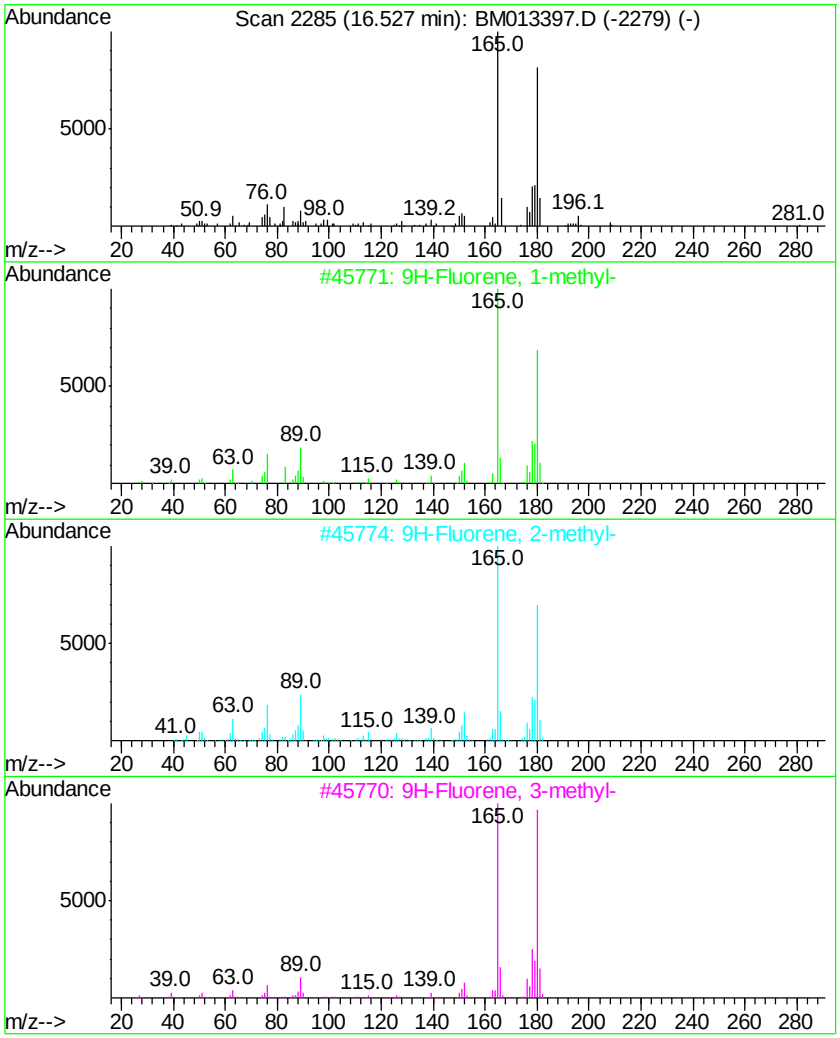
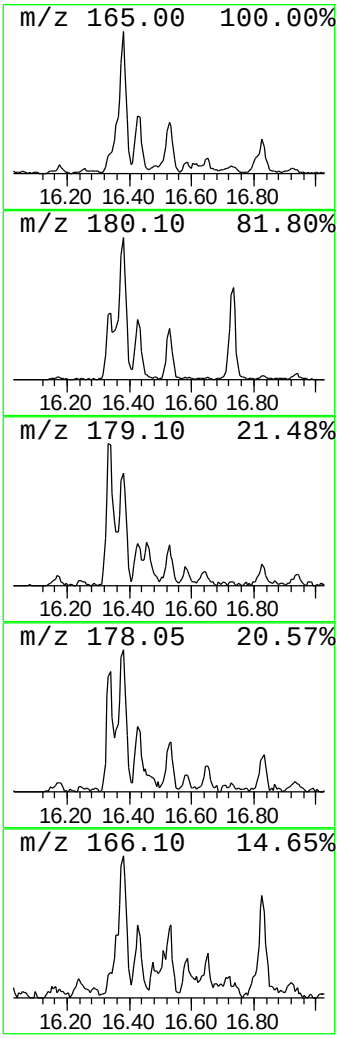
Peak Number 13 9H-Fluorene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	2.42 ng/ul	364102	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	87
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	87
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	87





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Quant Title : SVOA CALIBRATION

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

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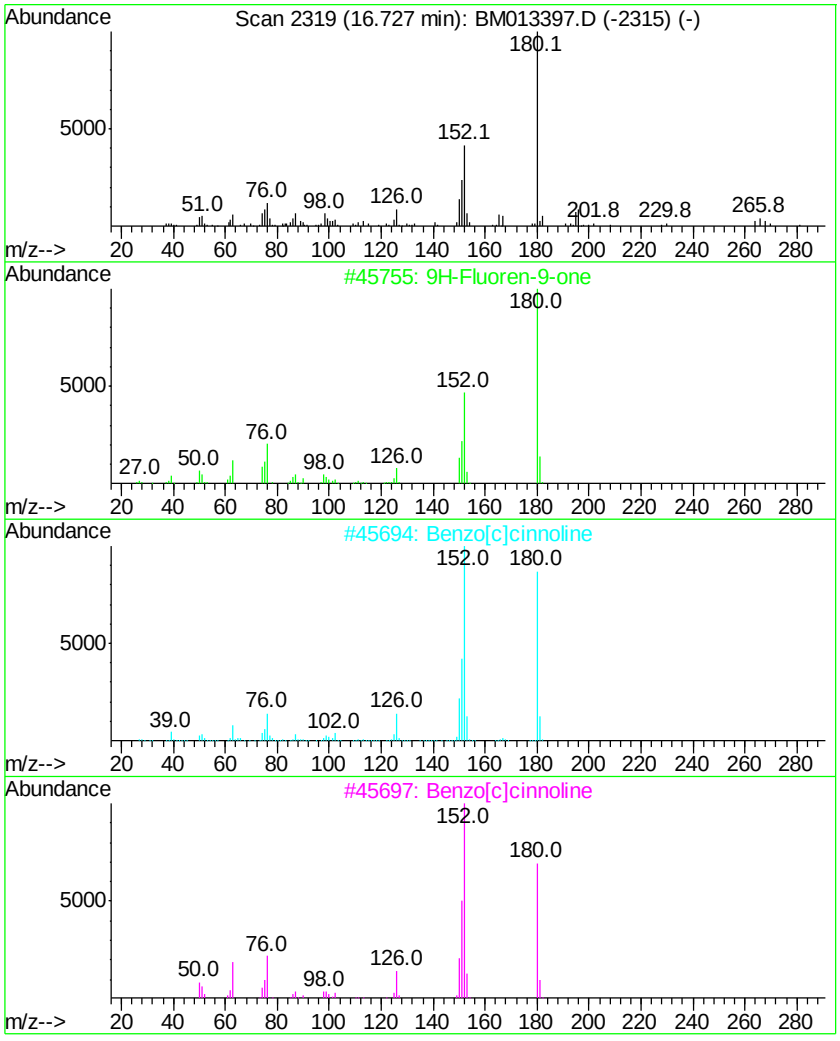
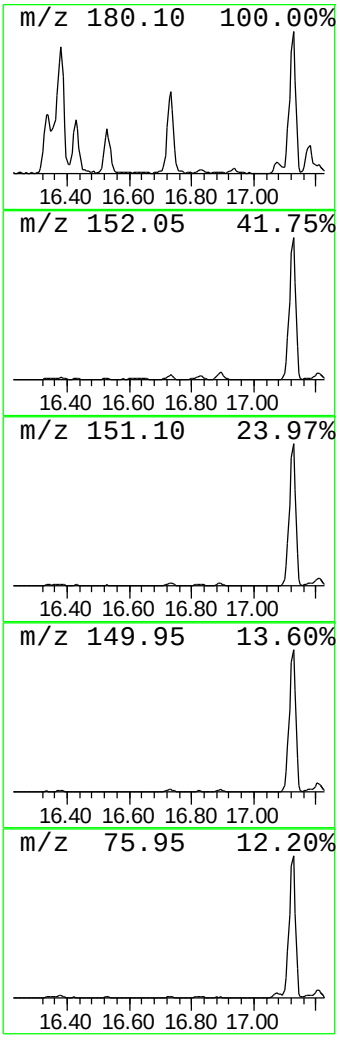
Peak Number 14 9H-Fluoren-9-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	2.69 ng/ul	404820	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	87
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	87
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	72





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Quant Title : SVOA CALIBRATION

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

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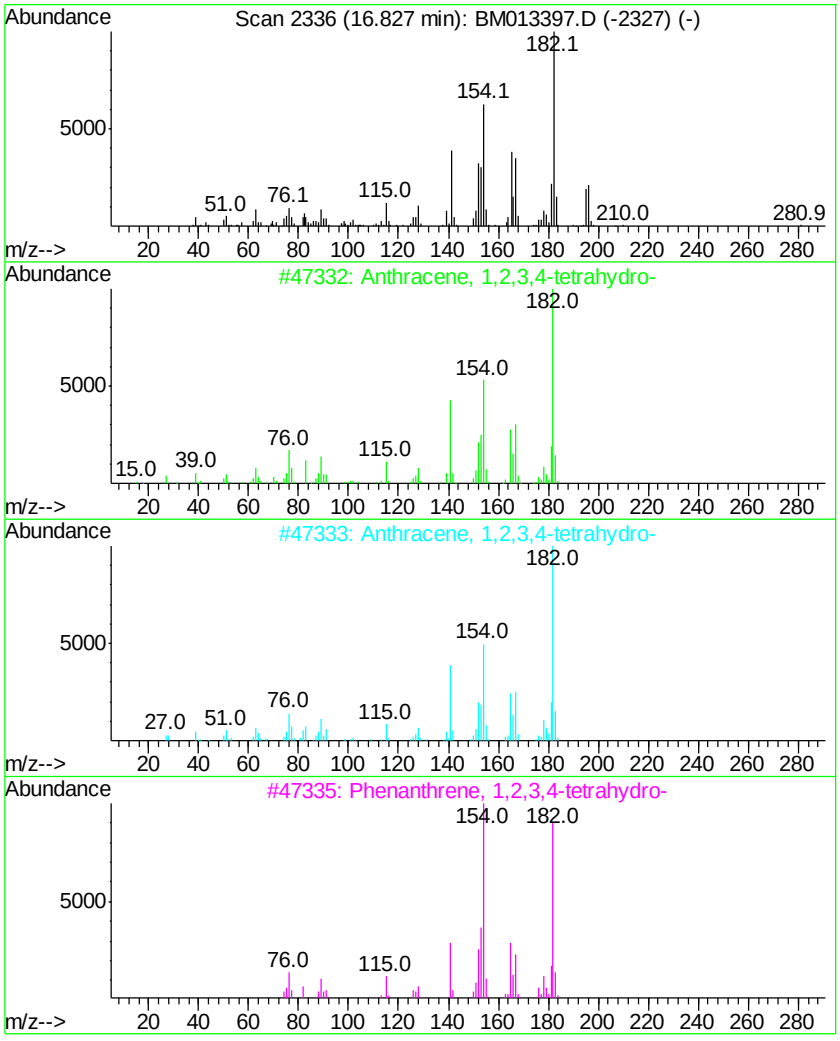
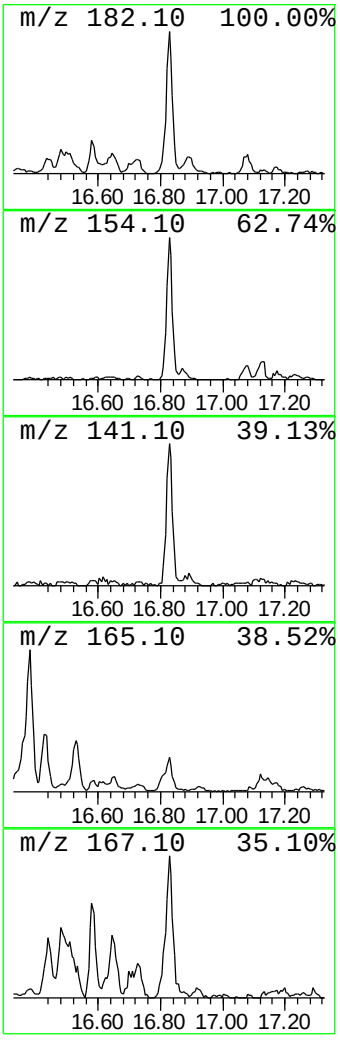
Peak Number 15 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	7.00 ng/ul	1052860	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	96
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	89
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	64
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	60
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	50





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Peak Number 16 Naphtho[1,2-b]thiophene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	12.08 ng/ul	1815110	Phenanthrene-d10	17.07

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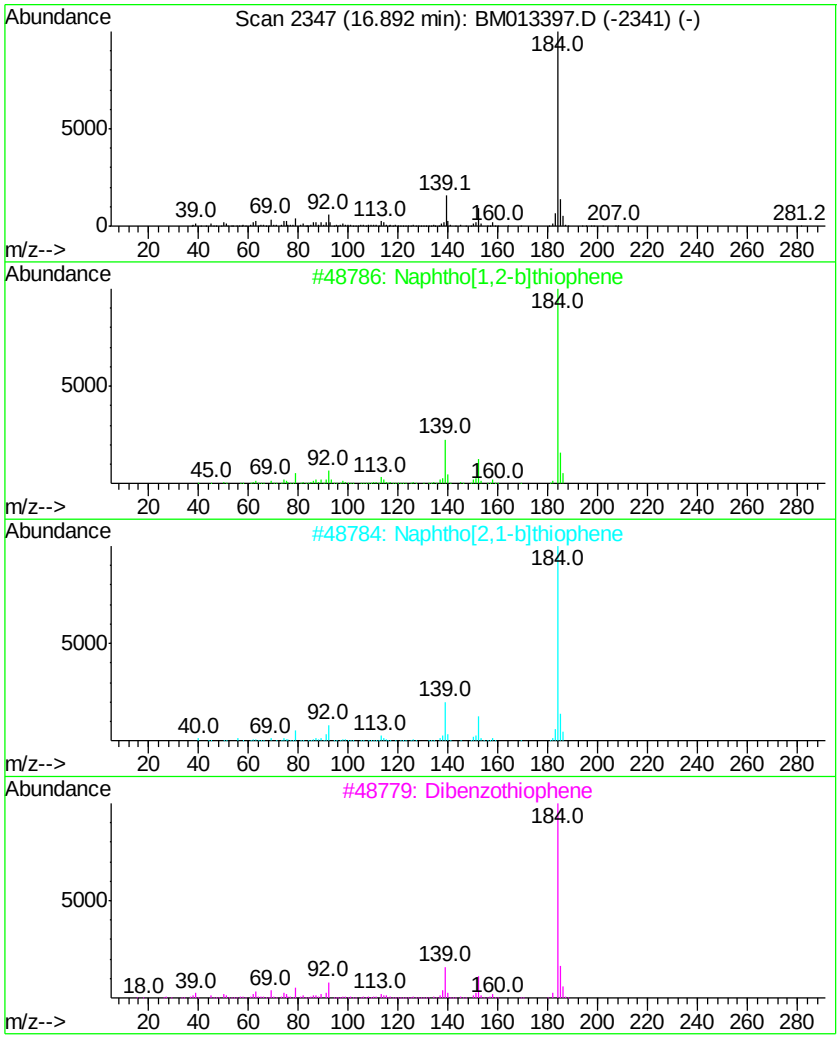

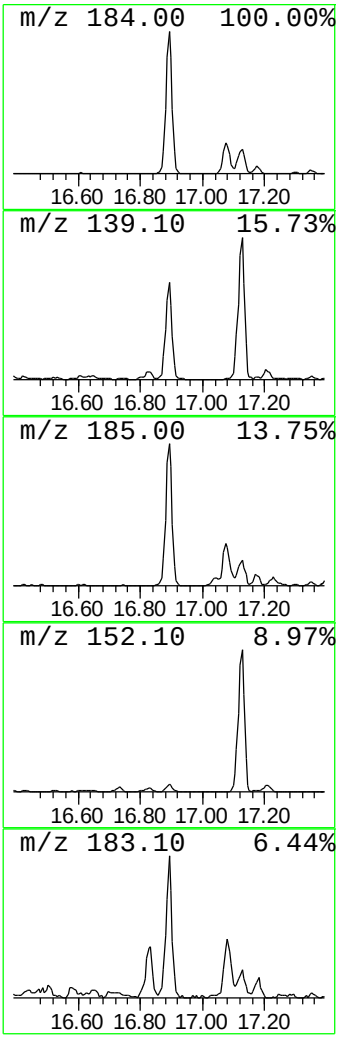

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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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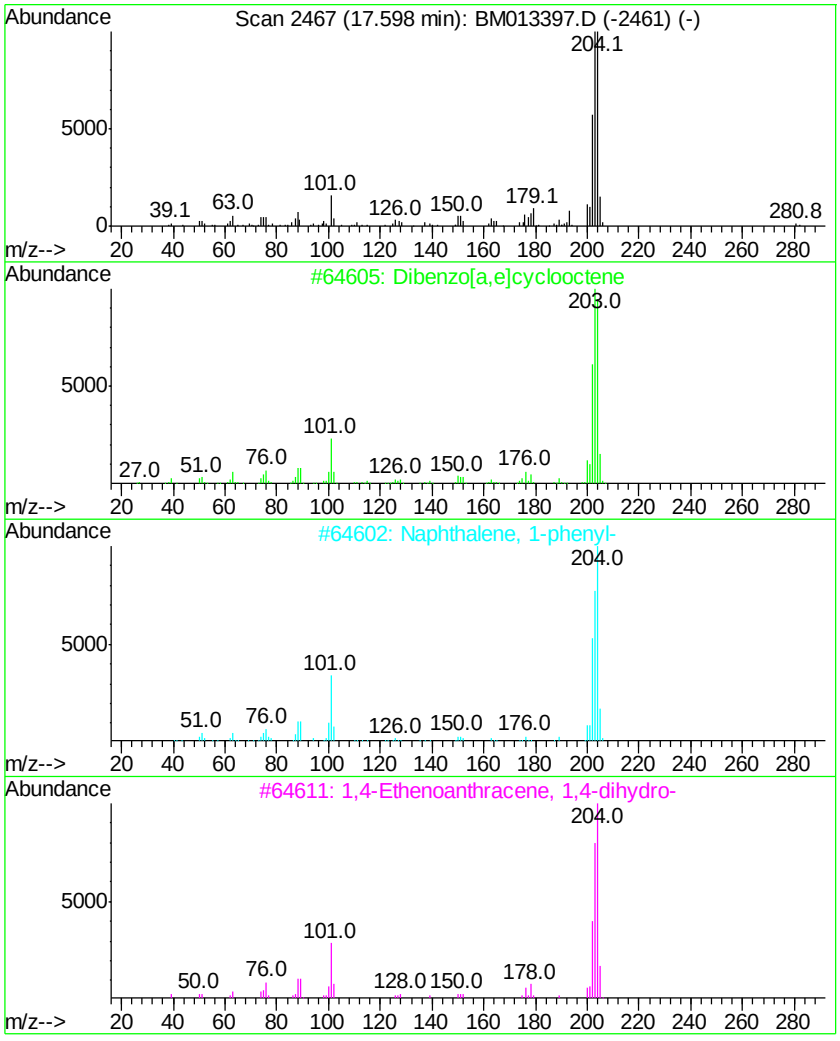
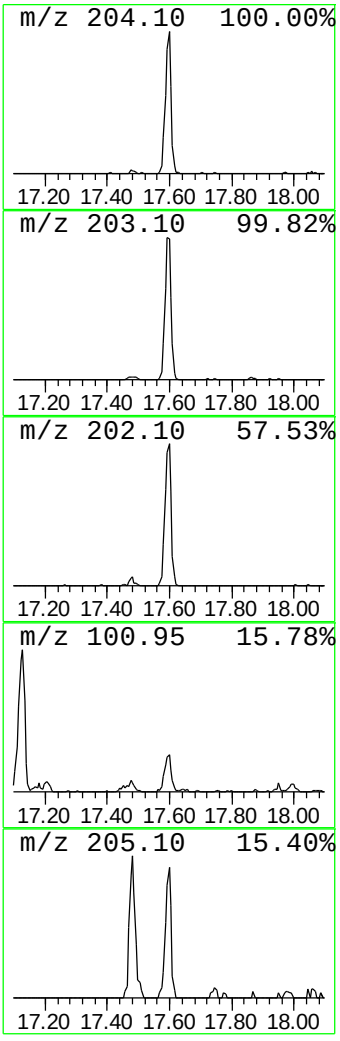
Peak Number 17 Dibenzo[a,e]cyclooctene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	2.76 ng/ul	414537	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	93
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	89
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	89
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	76
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76





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Quant Title : SVOA CALIBRATION

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

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Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	11.57 ng/ul	1738500	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
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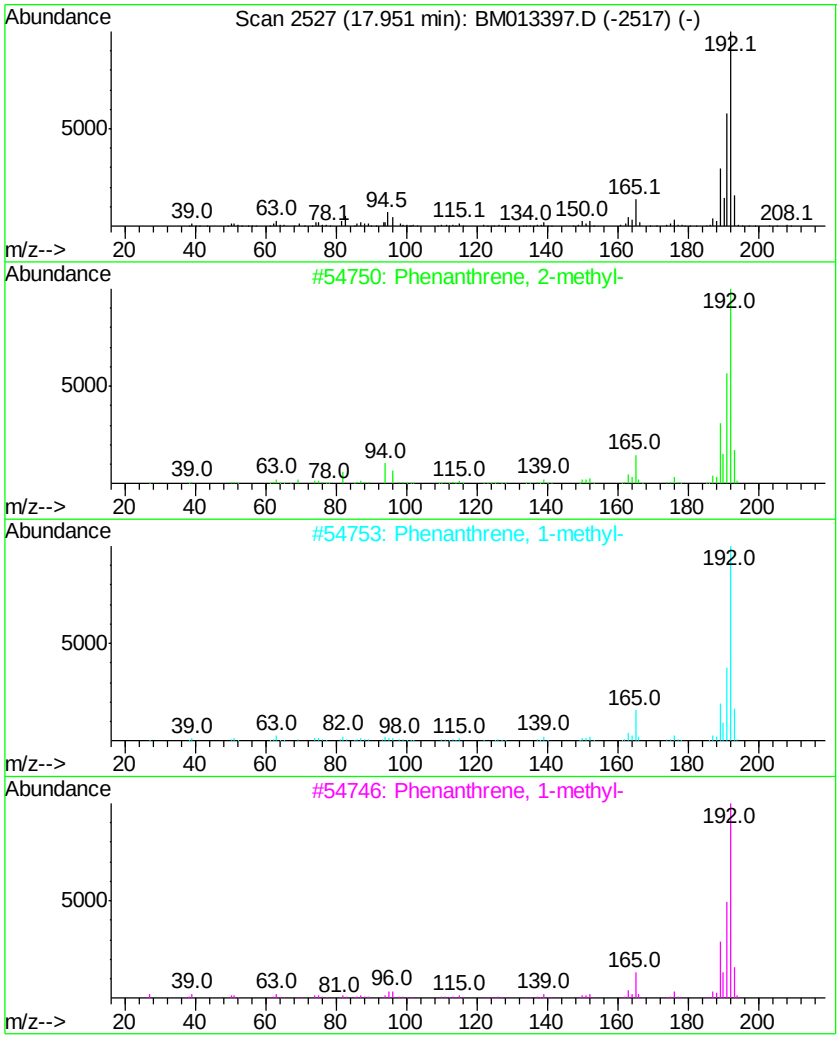

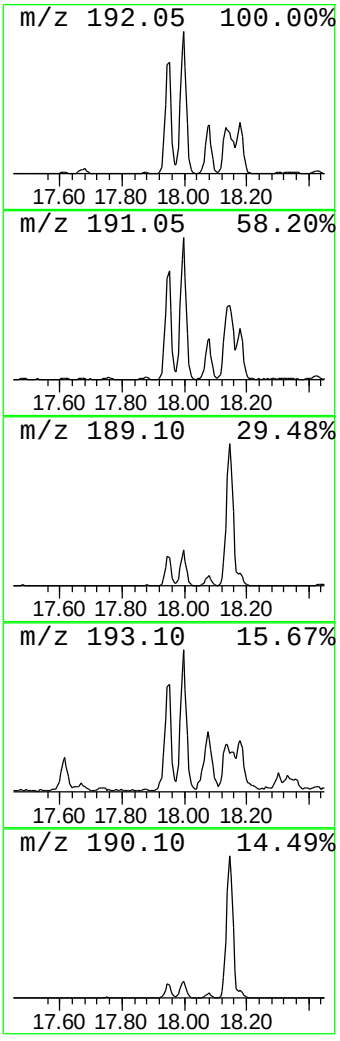

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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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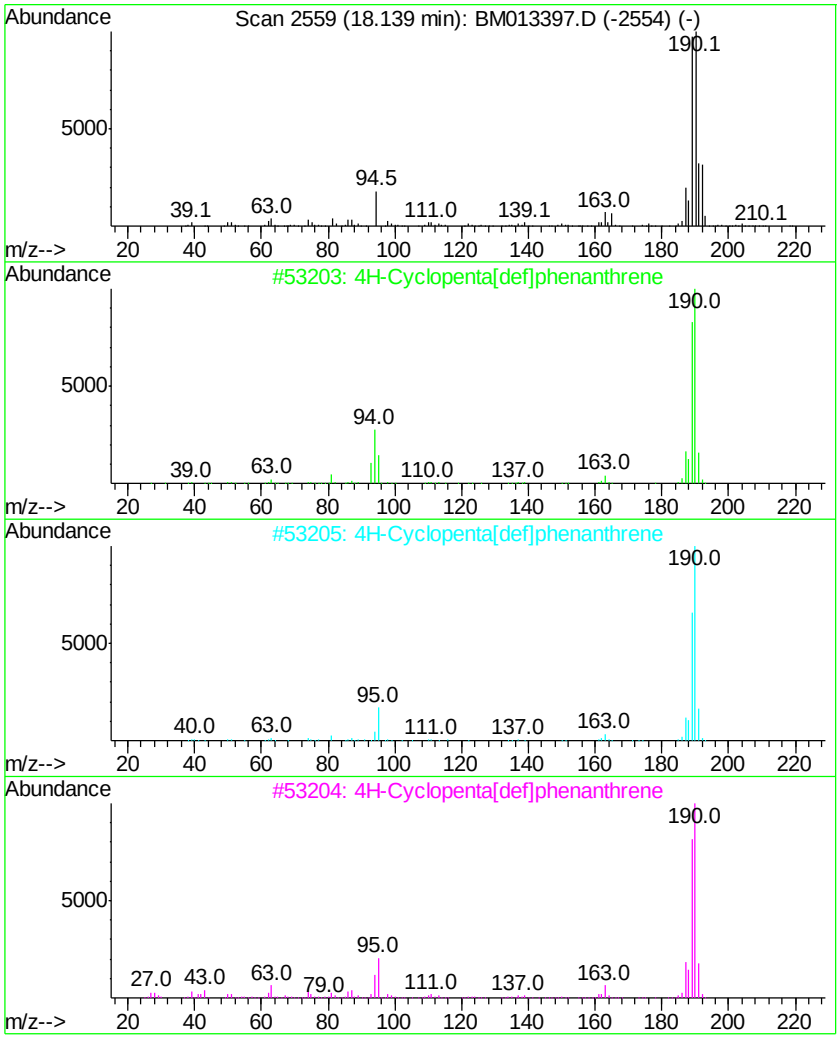
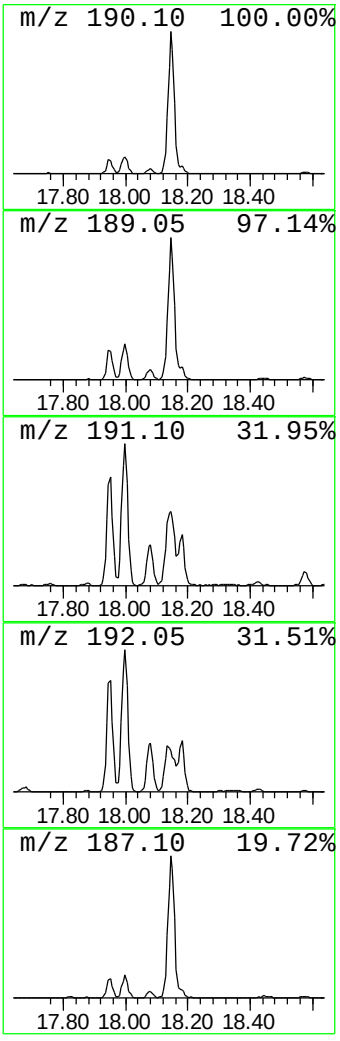
Peak Number 21 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	24.08 ng/ul	3619390	Phenanthrene-d10	17.07

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	87
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Acq On : 14 Dec 2017 05:05
Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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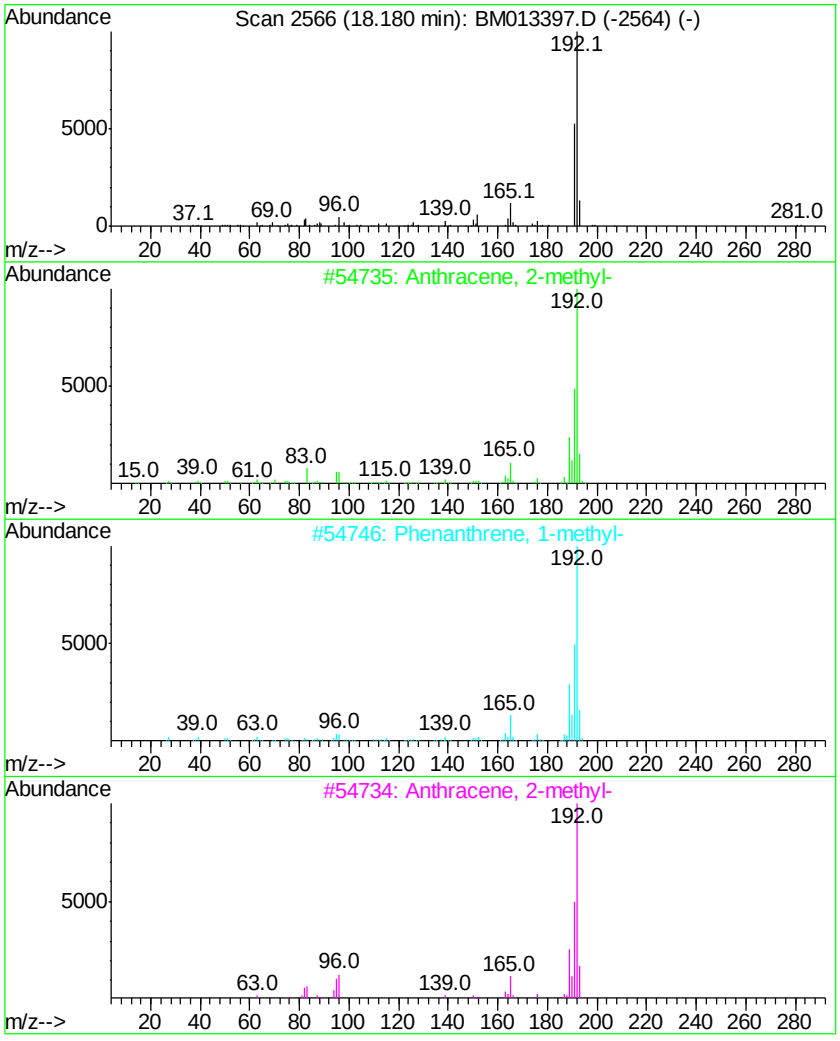
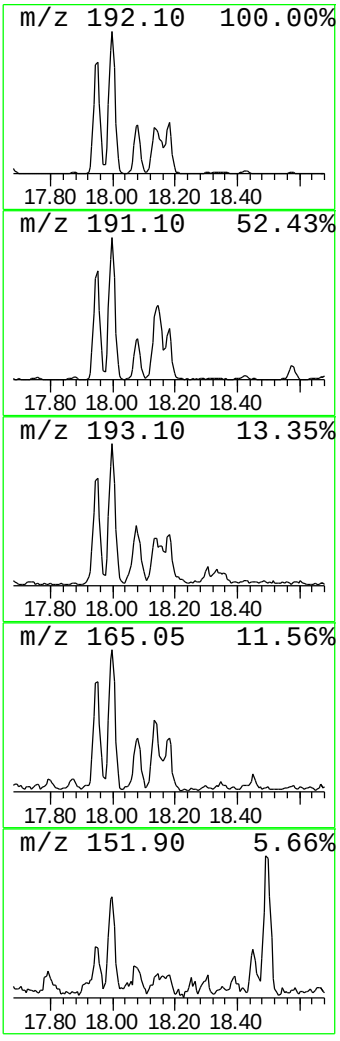
Peak Number 22 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	4.02 ng/ul	603747	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





Library Search Compound Report

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Acq On : 14 Dec 2017 05:05
Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

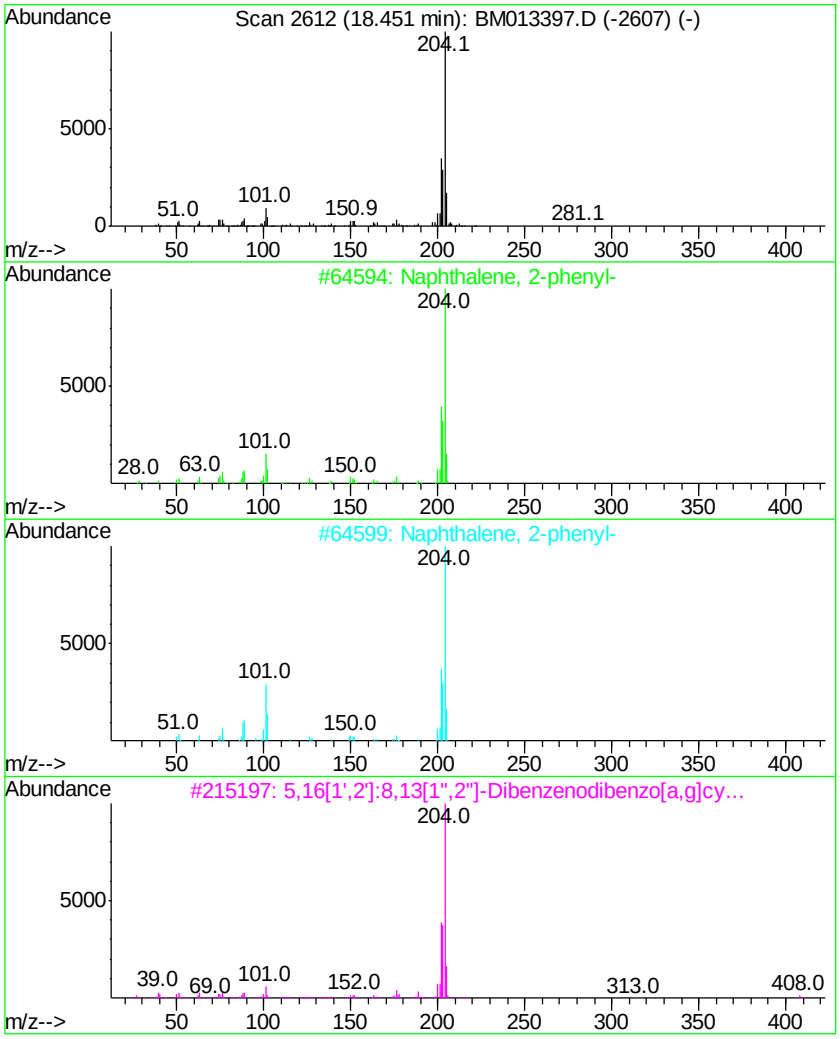
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

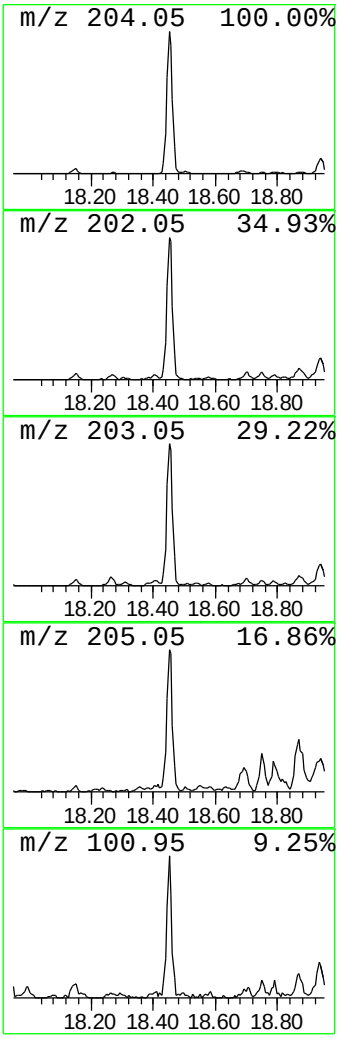
****

Peak Number 23 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	7.33 ng/ul	1101390	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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Sample : I6759-12ME 5X
Misc :
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Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

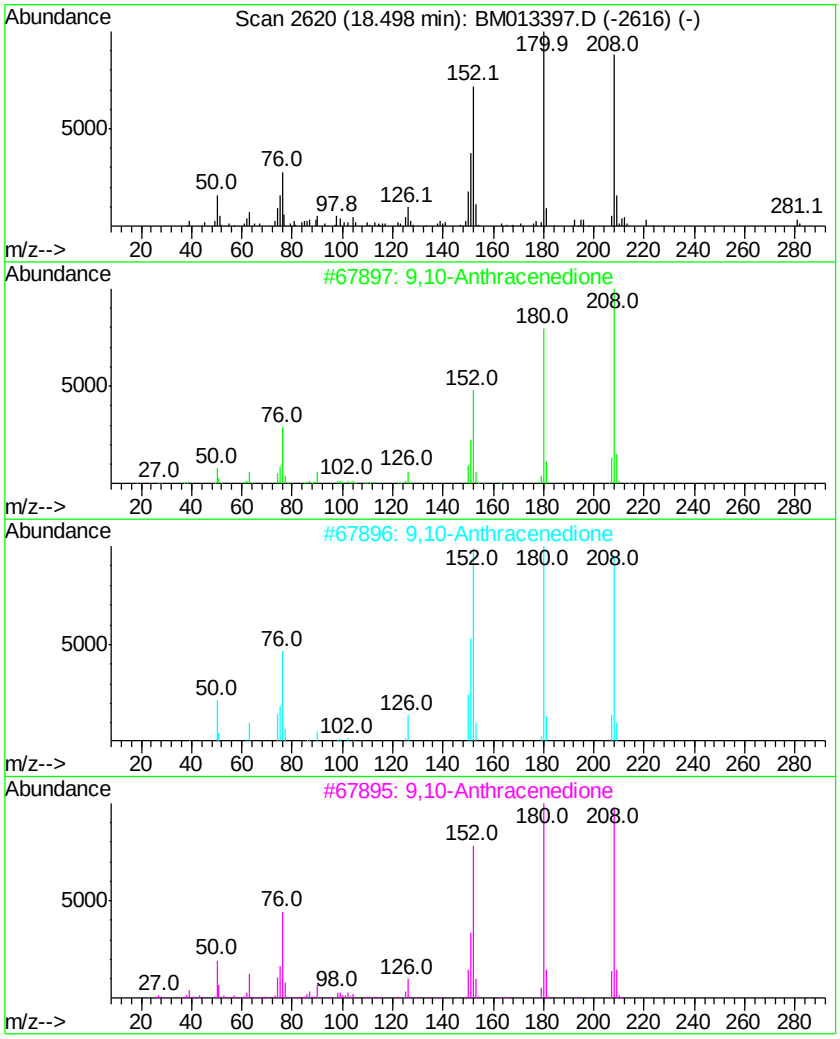
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

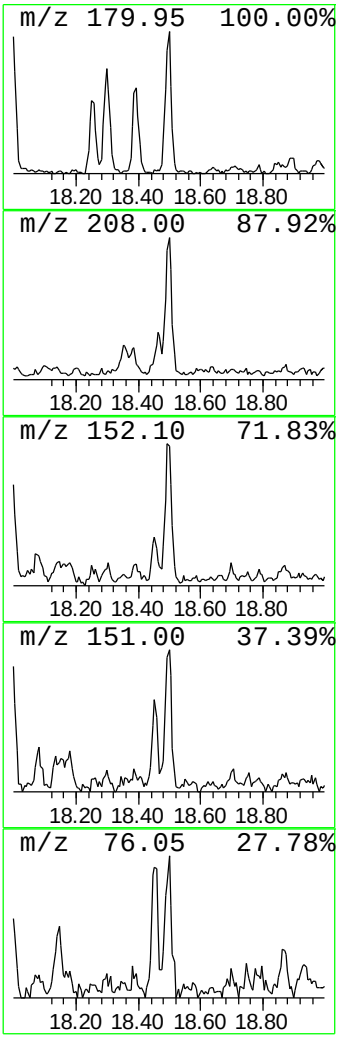
****

Peak Number 24 9,10-Anthracenedione Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	2.01 ng/ul	302031	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





Library Search Compound Report

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Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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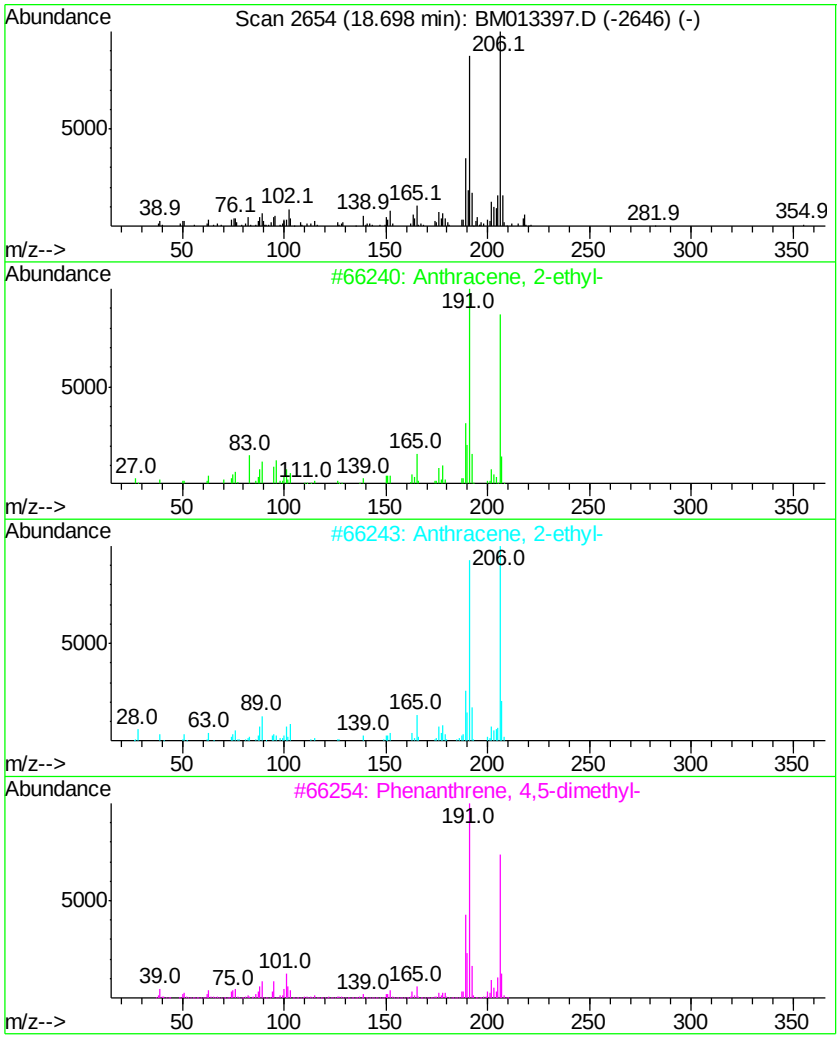
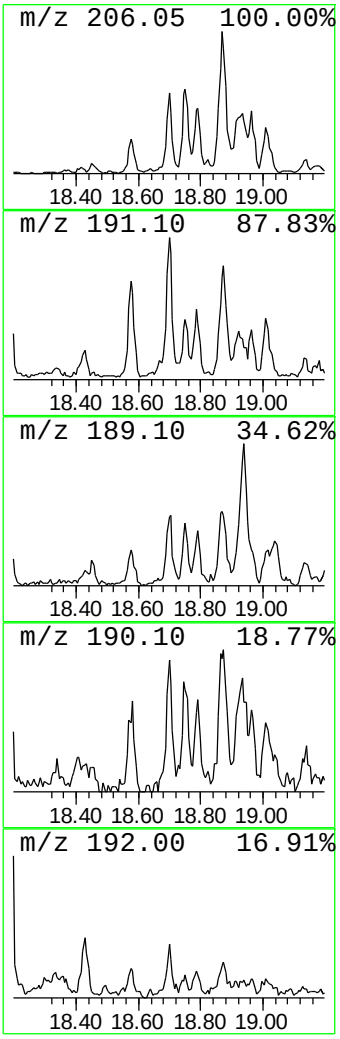
Peak Number 25 Anthracene, 2-ethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	2.40 ng/ul	360822	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91





Library Search Compound Report

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Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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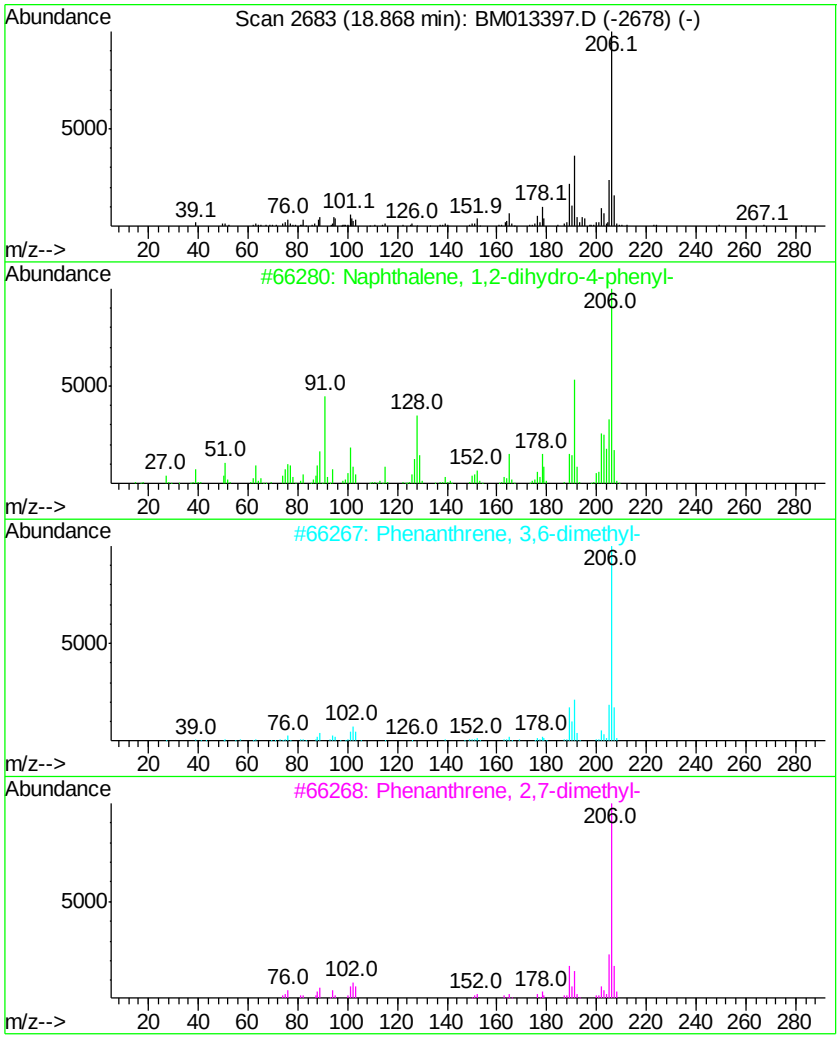
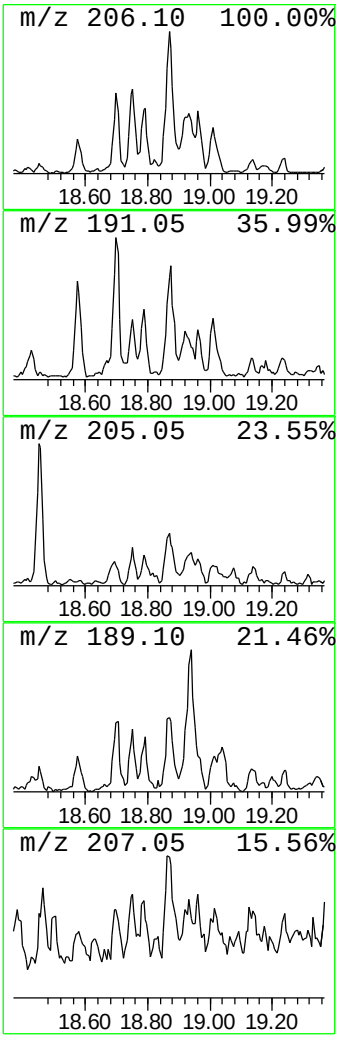
Peak Number 26 Naphthalene, 1,2-dihydro-4-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	3.09 ng/ul	464456	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	87
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83





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Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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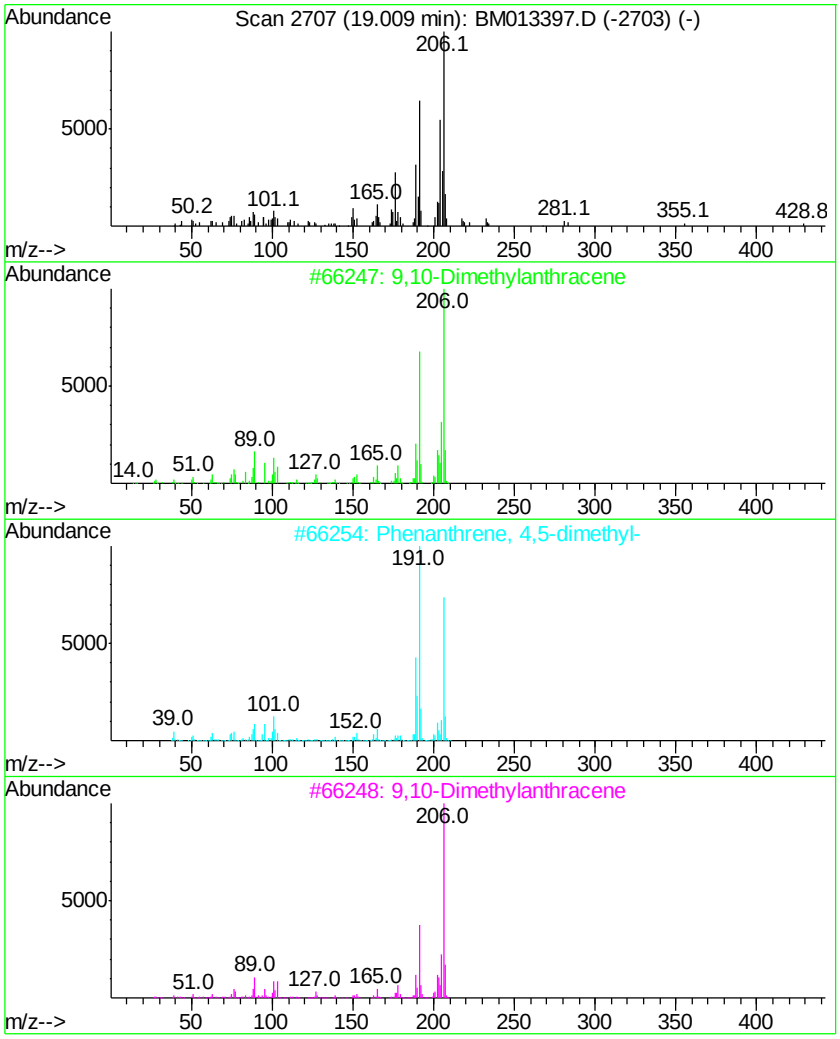
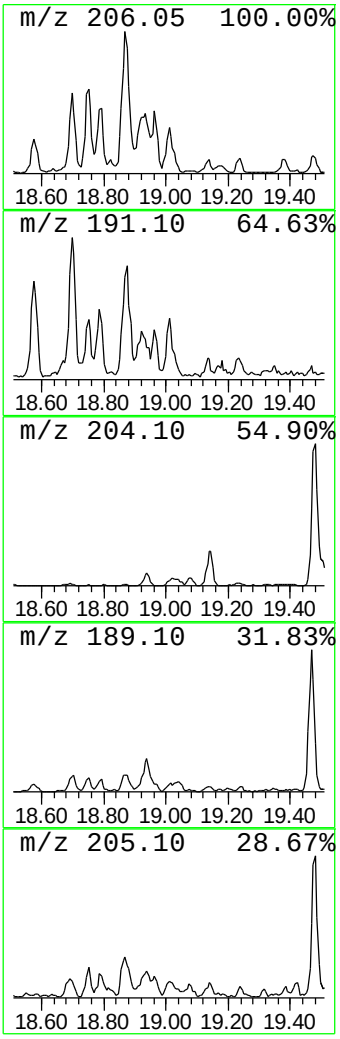
Peak Number 27 9,10-Dimethylanthracene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	2.04 ng/ul	307351	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	70
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	64
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64





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Acq On : 14 Dec 2017 05:05
Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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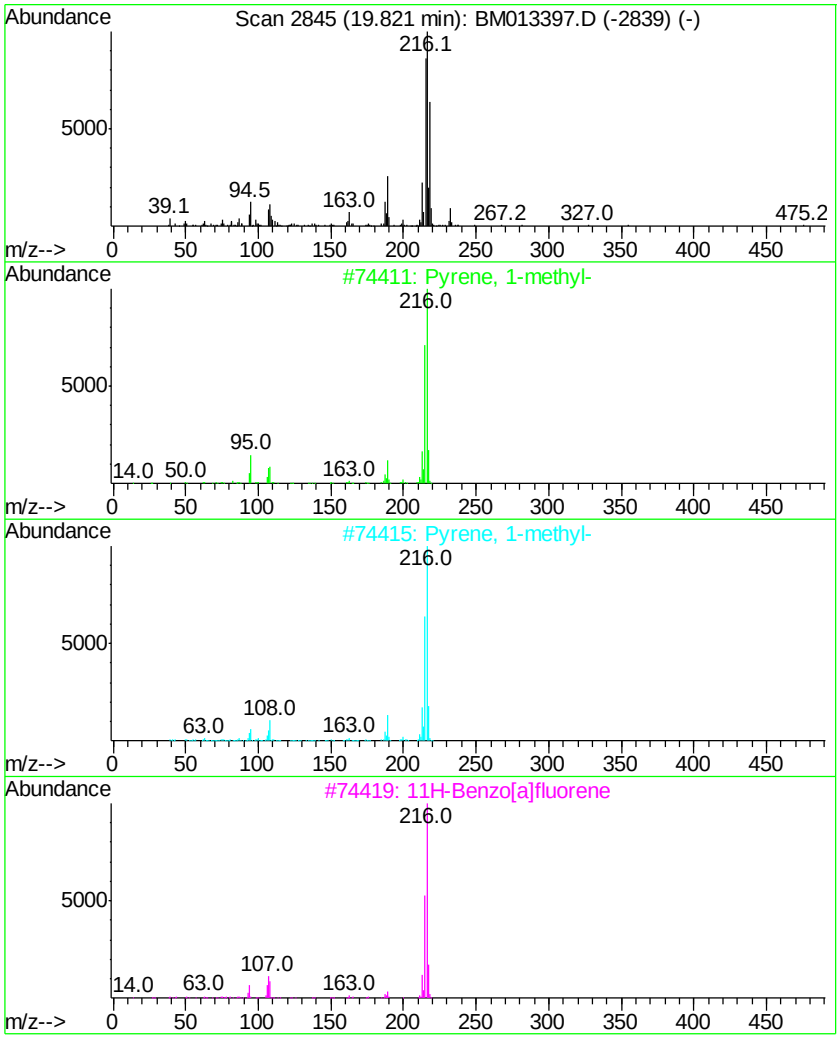
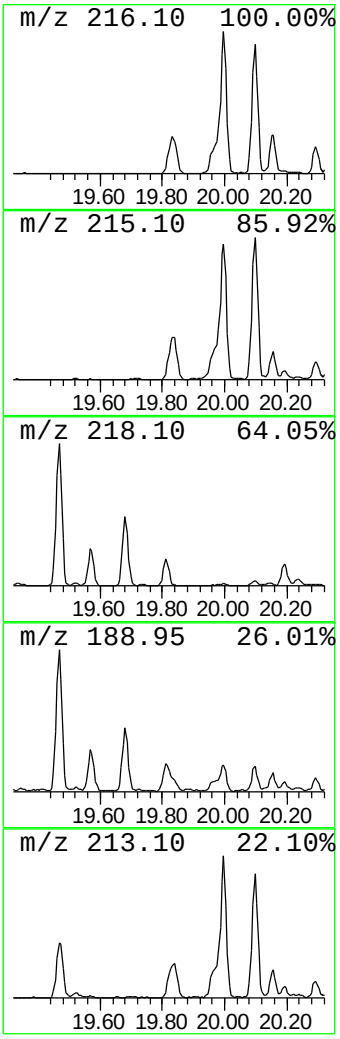
Peak Number 28 Pyrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	2.72 ng/ul	990175	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





Library Search Compound Report

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Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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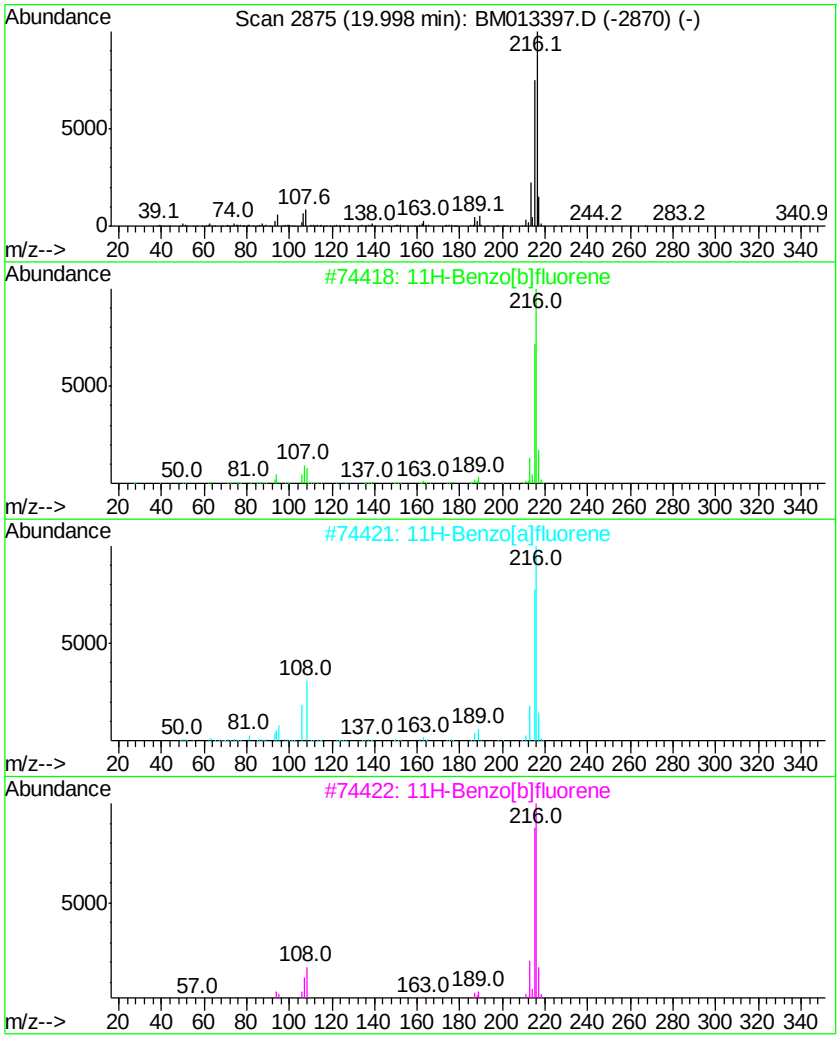
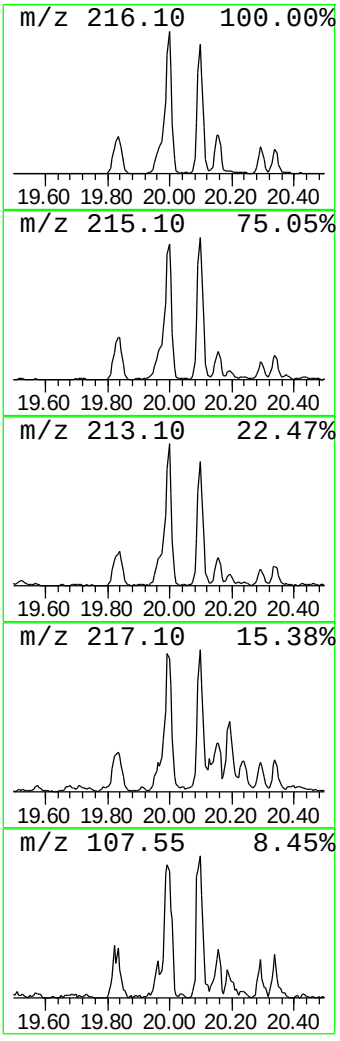
Peak Number 29 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	5.05 ng/ul	1842700	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Library Search Compound Report

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Acq On : 14 Dec 2017 05:05
Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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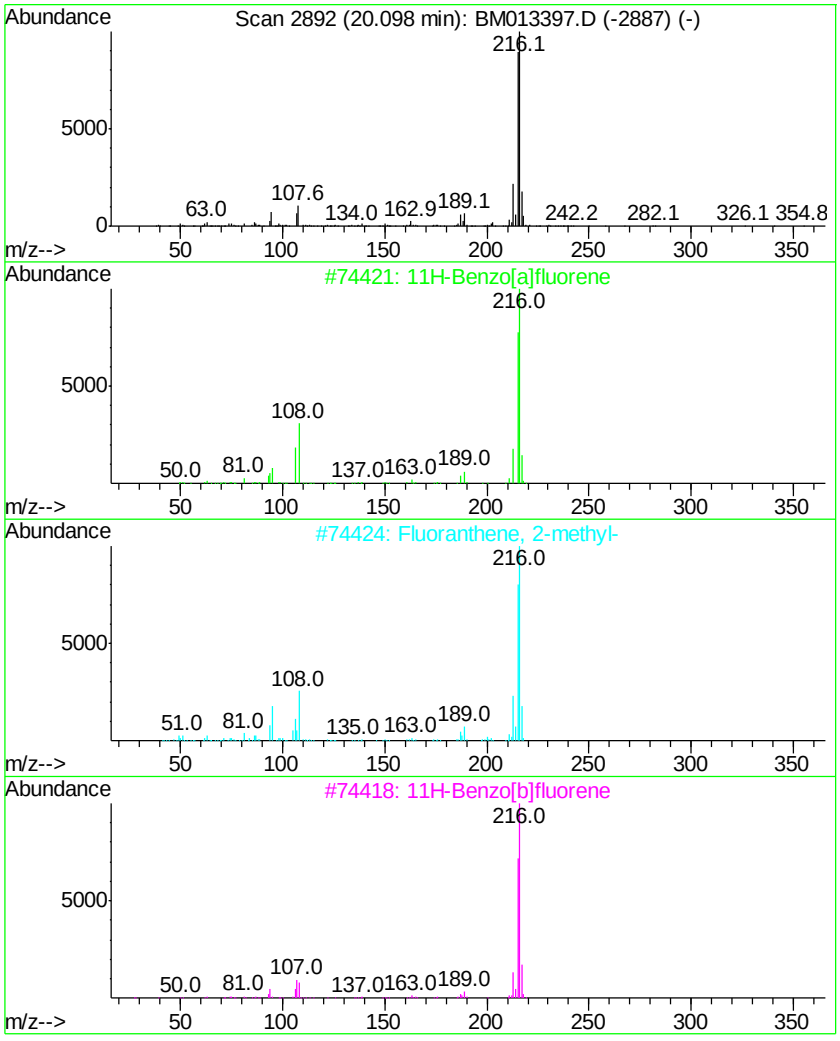
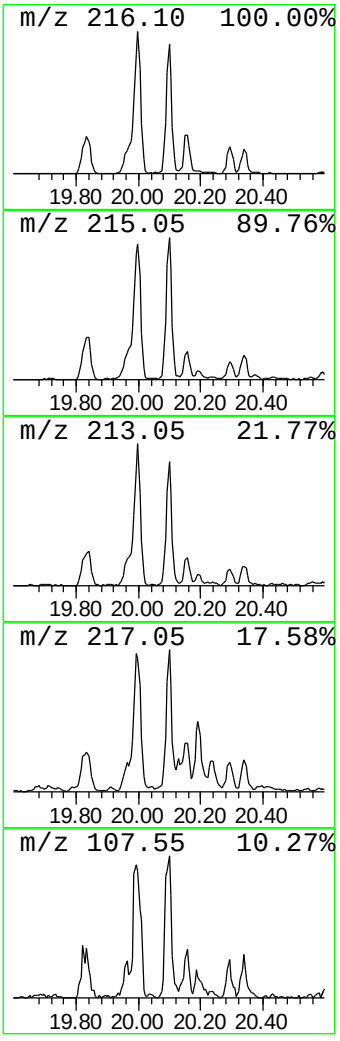
Peak Number 30 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	4.35 ng/ul	1585560	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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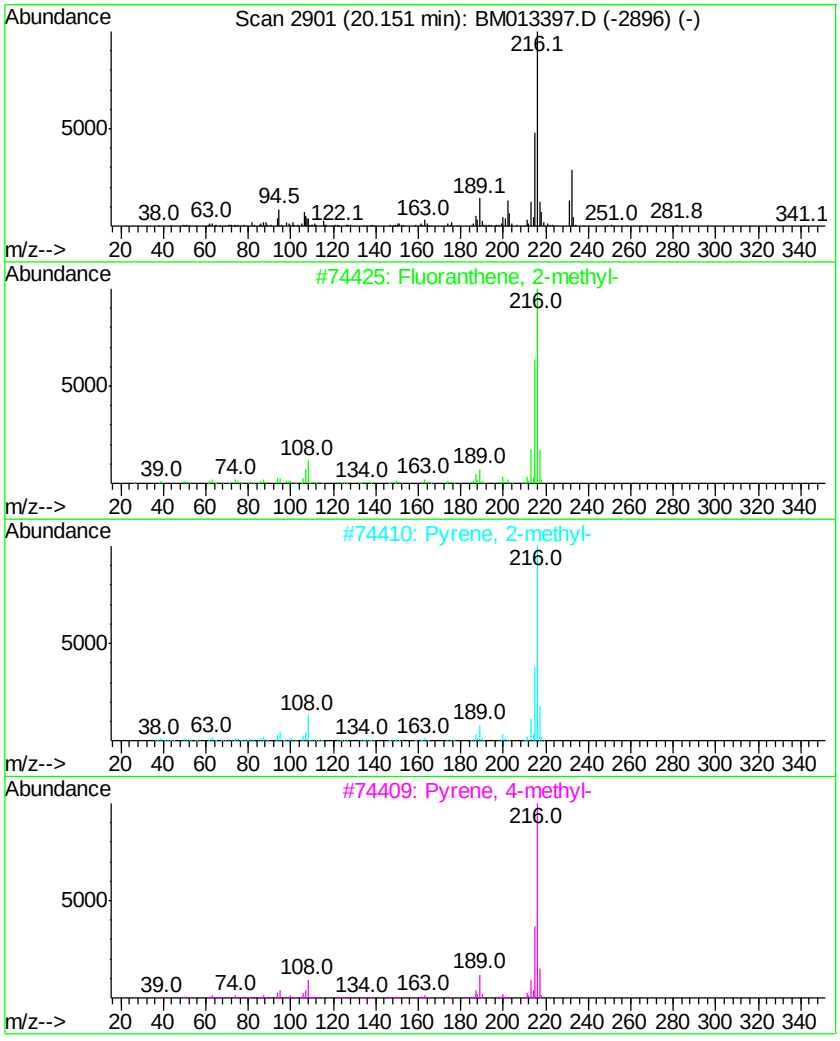
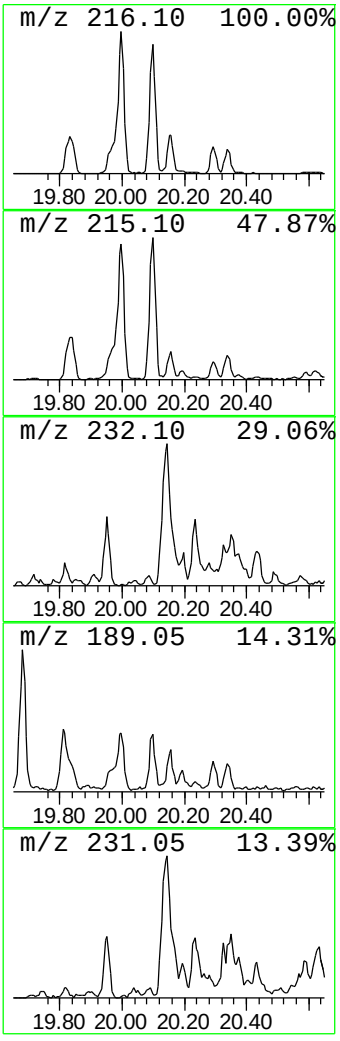
Peak Number 31 Fluoranthene, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	2.10 ng/ul	764207	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	83





Tentatively Identified Compound (LSC) summary

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Data File : BM013397.D
Acq On : 14 Dec 2017 05:05
Operator : SJ/JU
Sample : I6759-12ME 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A20ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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...	12.35	8.7	ng/ul	692089	2	10.46	1594390	20.0
Naphthalene, 1-et...	13.35	2.8	ng/ul	312566	3	14.32	2270260	20.0
Naphthalene, 1,3-...	13.48	3.5	ng/ul	393688	3	14.32	2270260	20.0
Naphthalene, 2,3-...	13.64	5.8	ng/ul	653636	3	14.32	2270260	20.0
1-Isopropenylnaph...	14.63	3.9	ng/ul	443709	3	14.32	2270260	20.0
1,1'-Biphenyl, 2-...	15.54	7.4	ng/ul	836801	3	14.32	2270260	20.0
2,4,6-Cycloheptat...	15.67	8.7	ng/ul	992633	3	14.32	2270260	20.0
9H-Fluoren-9-ol	15.90	2.1	ng/ul	318531	4	17.07	3006120	20.0
Phenanthrene, 1,2...	16.34	2.2	ng/ul	331574	4	17.07	3006120	20.0
9H-Fluorene, 3-me...	16.38	5.2	ng/ul	781122	4	17.07	3006120	20.0
9H-Fluorene, 1-me...	16.53	2.4	ng/ul	364102	4	17.07	3006120	20.0
9H-Fluoren-9-one	16.73	2.7	ng/ul	404820	4	17.07	3006120	20.0
Anthracene, 1,2,3...	16.83	7.0	ng/ul	1052860	4	17.07	3006120	20.0
Naphtho[1,2-b]thi...	16.89	12.1	ng/ul	1815110	4	17.07	3006120	20.0
Dibenzo[a,e]cyclo...	17.60	2.8	ng/ul	414537	4	17.07	3006120	20.0
Phenanthrene, 2-m...	17.95	11.6	ng/ul	1738500	4	17.07	3006120	20.0
4H-Cyclopenta[def...	18.14	24.1	ng/ul	3619390	4	17.07	3006120	20.0
Anthracene, 2-met...	18.18	4.0	ng/ul	603747	4	17.07	3006120	20.0
Naphthalene, 2-ph...	18.45	7.3	ng/ul	1101390	4	17.07	3006120	20.0
9,10-Anthracenedione	18.50	2.0	ng/ul	302031	4	17.07	3006120	20.0
Anthracene, 2-ethyl-	18.70	2.4	ng/ul	360822	4	17.07	3006120	20.0
Naphthalene, 1,2-...	18.87	3.1	ng/ul	464456	4	17.07	3006120	20.0
9,10-Dimethylanth...	19.01	2.0	ng/ul	307351	4	17.07	3006120	20.0
Pyrene, 1-methyl-	19.82	2.7	ng/ul	990175	5	21.26	7292040	20.0
11H-Benzo[b]fluorene	20.00	5.0	ng/ul	1842700	5	21.26	7292040	20.0
11H-Benzo[a]fluorene	20.10	4.3	ng/ul	1585560	5	21.26	7292040	20.0
Fluoranthene, 2-m...	20.15	2.1	ng/ul	764207	5	21.26	7292040	20.0