LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013324.D
Acq On : 12 Dec 2017 03:08
Operator : SJ/JU
Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B11

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	7.687	775	782	791	rVB	1166530	1850379	9.17%	0.972%
2	10.469	1243	1255	1260	rBV	1674613	2794580	13.85%	1.467%
3	13.745	1803	1812	1816	rBV2	237899	432580	2.14%	0.227%
4	13.881	1828	1835	1838	rBV	332947	501316	2.48%	0.263%
5	13.916	1838	1841	1846	rVB	221800	332258	1.65%	0.174%
6	14.022	1853	1859	1860	rBV2	301721	403080	2.00%	0.212%
7	14.051	1860	1864	1870	rVB	819565	1233376	6.11%	0.648%
8	14.328	1899	1911	1917	rBV2	2300243	3816083	18.92%	2.004%
9	14.392	1917	1922	1931	rVV	4731820	7427350	36.82%	3.900%
10	14.545	1941	1948	1956	rBV2	320448	795604	3.94%	0.418%
11	14.639	1956	1964	1969	rBV2	393760	758287	3.76%	0.398%
12	14.728	1973	1979	1987	rVB	3257228	4933124	24.45%	2.590%
13	14.804	1987	1992	1997	rBV2	392571	588343	2.92%	0.309%
14	14.951	2010	2017	2022	rBV3	478530	863485	4.28%	0.453%
15	15.004	2022	2026	2030	rVB	405444	544353	2.70%	0.286%
16	15.122	2037	2046	2049	rBV	389635	808739	4.01%	0.425%
17	15.151	2049	2051	2056	rVV2	274062	427290	2.12%	0.224%
18	15.328	2076	2081	2085	rVV2	487040	832020	4.12%	0.437%
19	15.380	2085	2090	2101	rVV	5431002	8308204	41.18%	4.363%
20	15.475	2101	2106	2108	rVV2	396191	630069	3.12%	0.331%
21	15.504	2108	2111	2114	rVV2	584786	887652	4.40%	0.466%
22	15.545	2114	2118	2122	rVV2	1005758	1572166	7.79%	0.826%
23	15.592	2122	2126	2129	rVV3	445480	667060	3.31%	0.350%
24	15.627	2129	2132	2136	rVV2	465889	740627	3.67%	0.389%
25	15.675	2136	2140	2149	rVB	1177952	1874453	9.29%	0.984%
26	15.822	2156	2165	2173	rVB2	1156549	2582229	12.80%	1.356%
27	15.910	2173	2180	2188	rBV3	237676	552779	2.74%	0.290%
28	16.057	2195	2205	2215	rVB6	378453	965472	4.79%	0.507%
29	16.174	2218	2225	2232	rBV3	595301	1119629	5.55%	0.588%
30	16.386	2250	2261	2266	rBV2	959098	2141513	10.61%	1.125%
31	16.433	2266	2269	2275	rVB2	499175	677619	3.36%	0.356%
32	16.533	2280	2286	2291	rVB2	517110	887485	4.40%	0.466%
33	16.616	2297	2300	2303	rVV	287360	387519	1.92%	0.203%
34	16.657	2303	2307	2310	rVB2	387964	541653	2.68%	0.284%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013324.D
Acq On : 12 Dec 2017 03:08
Operator : SJ/JU
Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B11

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	16.739	2317	2321	2327	rVB5	251732	455390	2.26%	0.239%
36	16.810	2327	2333	2343	rBV5	495079	1297950	6.43%	0.682%
37	16.898	2343	2348	2357	rVB	1289464	1991318	9.87%	1.046%
38	17.080	2373	2379	2382	rBV2	2935500	4282917	21.23%	2.249%
39	17.122	2382	2386	2391	rVV	2982342	4150483	20.57%	2.179%
40	17.174	2391	2395	2397	rVV	437888	610180	3.02%	0.320%
41	17.210	2397	2401	2406	rVB	3540558	4862098	24.10%	2.553%
42	17.269	2406	2411	2417	rBV3	327525	654208	3.24%	0.344%
43	17.486	2443	2448	2451	rBV2	327911	553587	2.74%	0.291%
44	17.598	2463	2467	2473	rBV2	336394	497229	2.46%	0.261%
45	17.657	2473	2477	2488	rVB2	319548	583556	2.89%	0.306%
46	17.798	2496	2501	2510	rVB	251752	498016	2.47%	0.262%
47	17.951	2522	2527	2532	rBV	2027118	2829205	14.02%	1.486%
48	17.998	2532	2535	2543	rVB	995536	1464218	7.26%	0.769%
49	18.080	2543	2549	2554	rBV	1003068	1556474	7.72%	0.817%
50	18.151	2554	2561	2565	rVV3	3281712	5811913	28.81%	3.052%
51	18.186	2565	2567	2574	rVB	1127147	1264866	6.27%	0.664%
52	18.457	2609	2613	2617	rBV	1275930	1651892	8.19%	0.867%
53	18.704	2651	2655	2659	rVB	378730	479822	2.38%	0.252%
54	18.757	2659	2664	2667	rBV	313561	391871	1.94%	0.206%
55	18.792	2667	2670	2674	rVB	330569	389239	1.93%	0.204%
56	18.874	2678	2684	2689	rBV	883554	1579655	7.83%	0.830%
57	18.939	2689	2695	2698	rVV3	535820	984882	4.88%	0.517%
58	18.968	2698	2700	2704	rVB	309758	329803	1.63%	0.173%
59	19.015	2704	2708	2716	rBV3	481309	1047737	5.19%	0.550%
60	19.145	2723	2730	2735	rBV	14928143	20174412	100.00%	10.594%
61	19.204	2736	2740	2743	rVV2	312785	435792	2.16%	0.229%
62	19.239	2743	2746	2751	rVV2	310932	434423	2.15%	0.228%
63	19.292	2751	2755	2759	rVB	475798	628241	3.11%	0.330%
64	19.386	2766	2771	2774	rBV	400799	600973	2.98%	0.316%
65	19.480	2781	2787	2788	rBV	2498314	3632236	18.00%	1.907%
66	19.510	2788	2792	2799	rVV	10793028	14929042	74.00%	7.839%
67	19.580	2799	2804	2810	rVB2	568137	951503	4.72%	0.500%
68	19.686	2817	2822	2828	rVB	602033	945717	4.69%	0.497%
69	19.745	2828	2832	2838	rVB4	293701	481494	2.39%	0.253%
70	19.827	2840	2846	2853	rBV4	755794	1900657	9.42%	0.998%
71	19.968	2864	2870	2871	rVV3	628709	1024765	5.08%	0.538%

LSC Area Percent Report

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Data File : BM013324.D
Acq On : 12 Dec 2017 03:08
Operator : SJ/JU
Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B11

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	20.004	2872	2876	2881	rVB	2001241	2860310	14.18%	1.502%
73	20.104	2888	2893	2897	rBV	2097070	2716954	13.47%	1.427%
74	20.157	2897	2902	2906	rVV2	918123	1584668	7.85%	0.832%
75	20.198	2906	2909	2913	rVB	326169	377644	1.87%	0.198%
76	20.239	2913	2916	2922	rVB4	214987	371293	1.84%	0.195%
77	20.298	2922	2926	2930	rBV	565081	780556	3.87%	0.410%
78	20.345	2930	2934	2938	rVB	557414	749660	3.72%	0.394%
79	20.527	2961	2965	2968	rBV	261300	375274	1.86%	0.197%
80	20.592	2973	2976	2979	rVV2	250619	383612	1.90%	0.201%
81	20.627	2979	2982	2986	rVB2	249119	387893	1.92%	0.204%
82	20.709	2992	2996	2999	rBV3	332629	527266	2.61%	0.277%
83	20.751	3000	3003	3009	rVB4	350851	606195	3.00%	0.318%
84	20.915	3027	3031	3034	rBV	756703	922636	4.57%	0.484%
85	20.951	3034	3037	3040	rVB	647902	689453	3.42%	0.362%
86	20.992	3040	3044	3048	rBV2	447665	652775	3.24%	0.343%
87	21.257	3081	3089	3094	rVV2	5465527	11343193	56.23%	5.956%
88	21.304	3094	3097	3105	rVB	4195439	5579699	27.66%	2.930%
89	21.421	3113	3117	3122	rBV	576713	727097	3.60%	0.382%
90	21.574	3139	3143	3148	rBV2	400731	657762	3.26%	0.345%
91	21.815	3178	3184	3189	rVV	677409	1065980	5.28%	0.560%
92	21.868	3189	3193	3198	rVB	359560	539226	2.67%	0.283%
93	22.009	3214	3217	3220	rBV2	278496	397138	1.97%	0.209%
94	22.045	3220	3223	3229	rVB3	438357	651176	3.23%	0.342%
95	22.833	3350	3357	3361	rBV	2271907	4965808	24.61%	2.608%
96	22.998	3381	3385	3390	rVB	398399	626260	3.10%	0.329%
97	23.303	3431	3437	3442	rBV	1061786	1865743	9.25%	0.980%
98	23.398	3447	3453	3460	rVB	1679208	2987746	14.81%	1.569%
99	23.492	3463	3469	3474	rBV	1634779	3007322	14.91%	1.579%
100	25.727	3842	3849	3861	rVB2	607660	1797773	8.91%	0.944%

Sum of corrected areas: 190434252

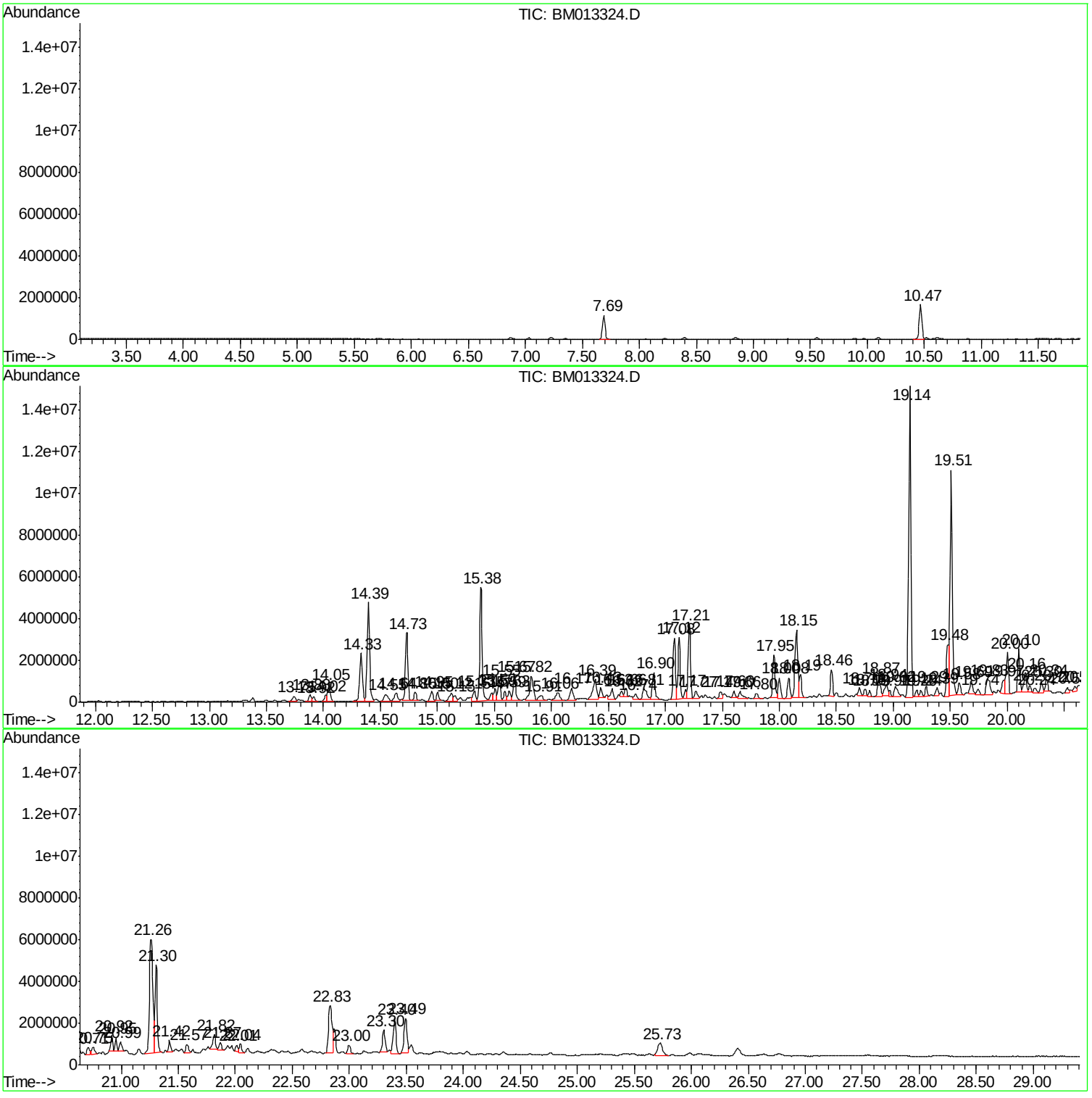
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013324.D
Acq On : 12 Dec 2017 03:08
Operator : SJ/JU
Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B11

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\BM121117\
Data File : BM013324.D
Acq On : 12 Dec 2017 03:08
Operator : SJ/JU
Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B11

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

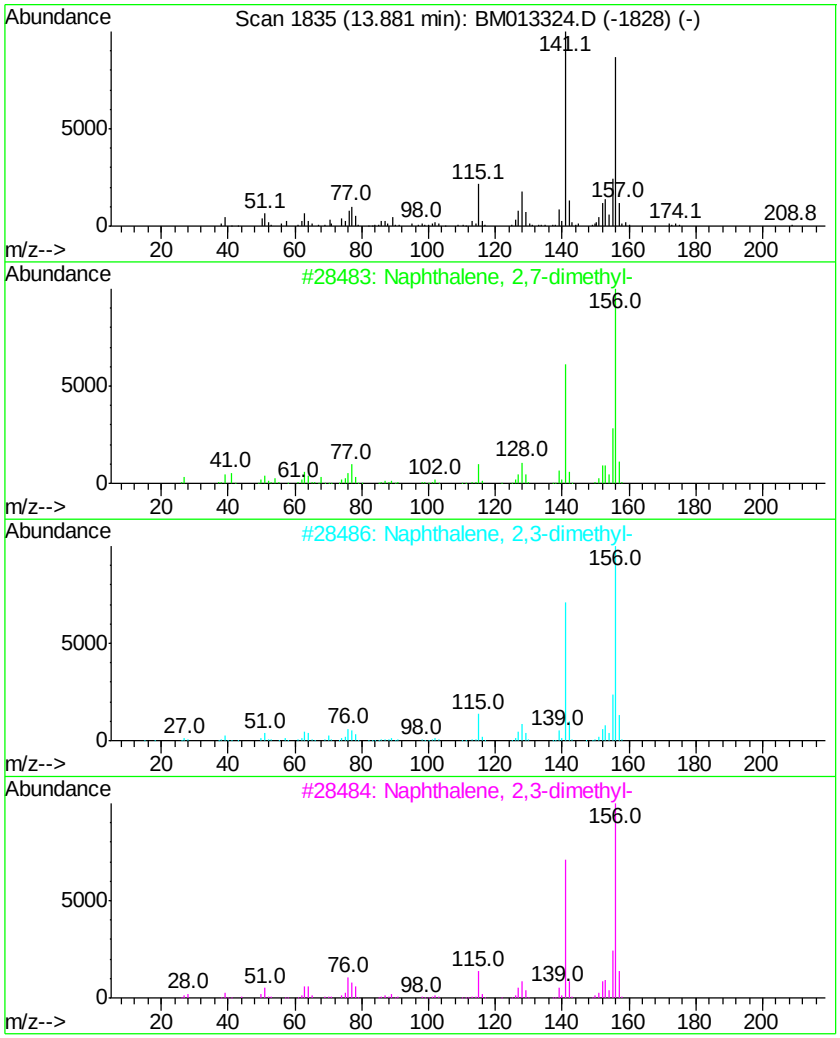
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

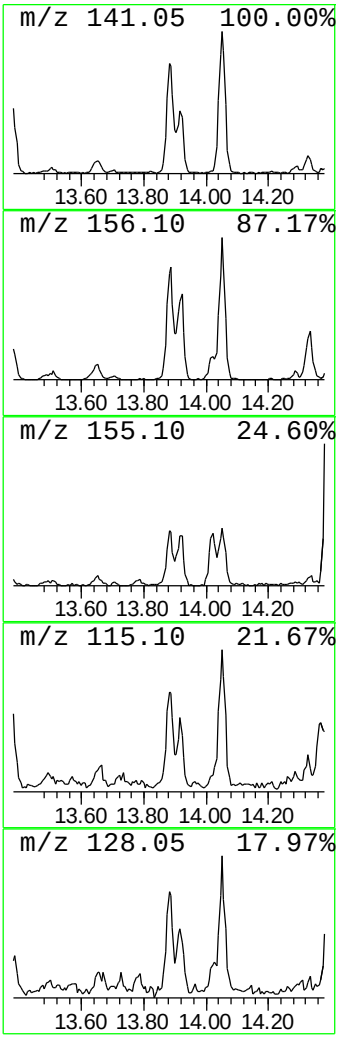
****

Peak Number 1 Naphthalene, 2,7-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	2.63 ng/ul	501316	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013324.D
Acq On : 12 Dec 2017 03:08
Operator : SJ/JU
Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B11

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

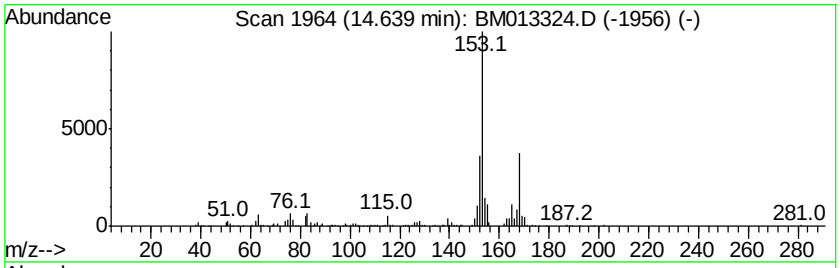
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

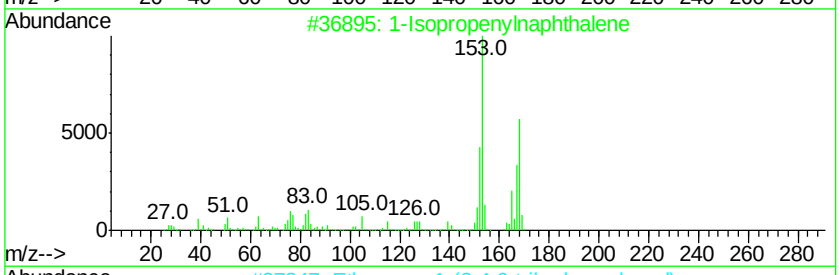
****

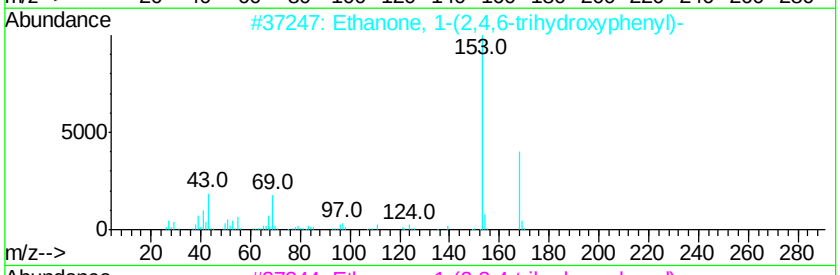
Peak Number 2 1-Isopropenylnaphthalene Concentration Rank 24

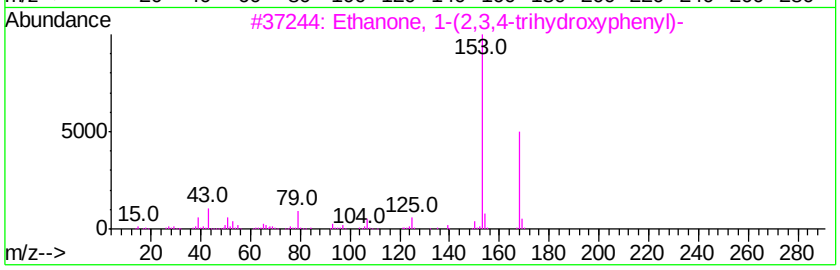
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	3.97 ng/ul	758287	Acenaphthene-d10	14.33

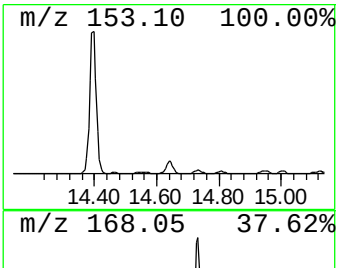
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	53
2	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
3	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50
4	1-Fluoro-1-hex-1-ynyl-2,2-dimeth...	168	C11H17F	1000300-49-2	43
5	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	42

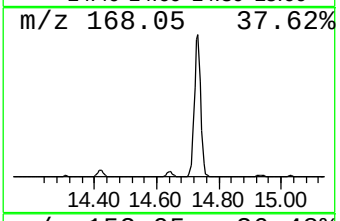


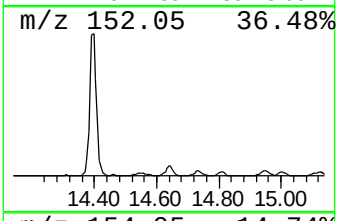


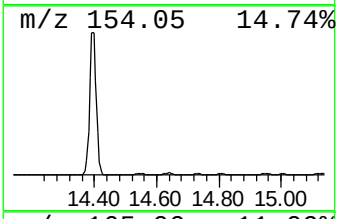


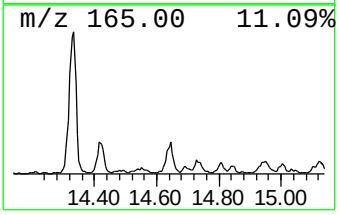












Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013324.D
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Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B11

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

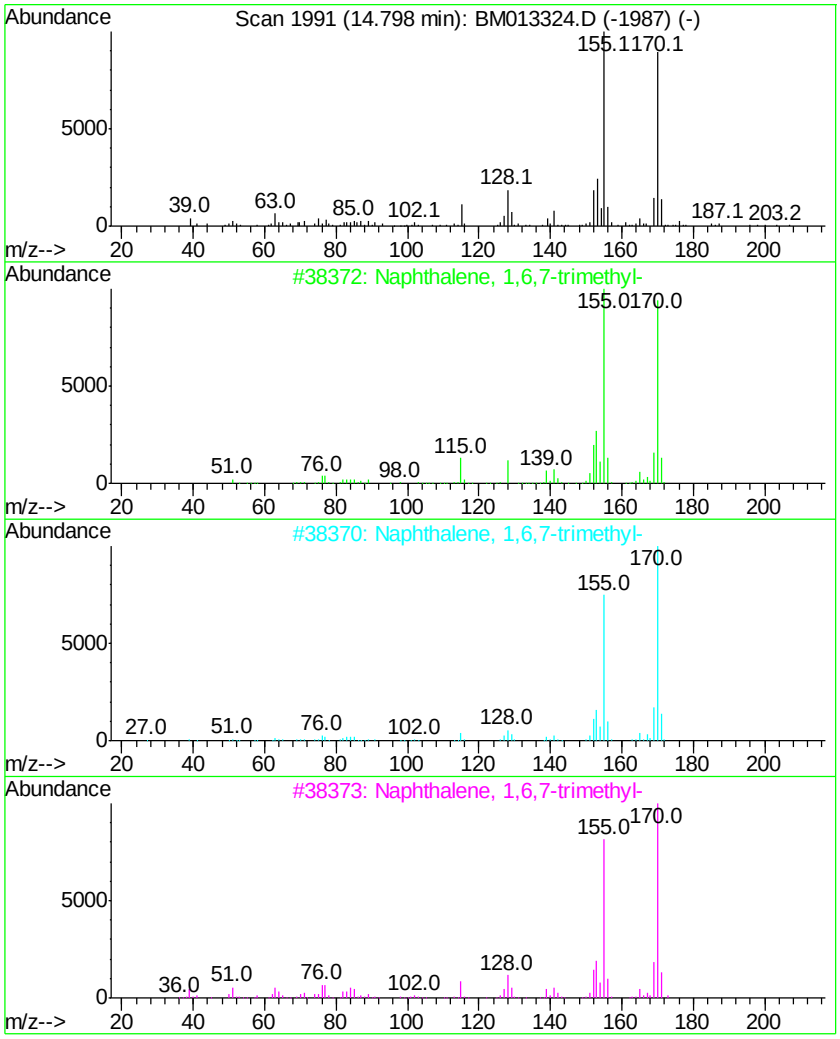
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

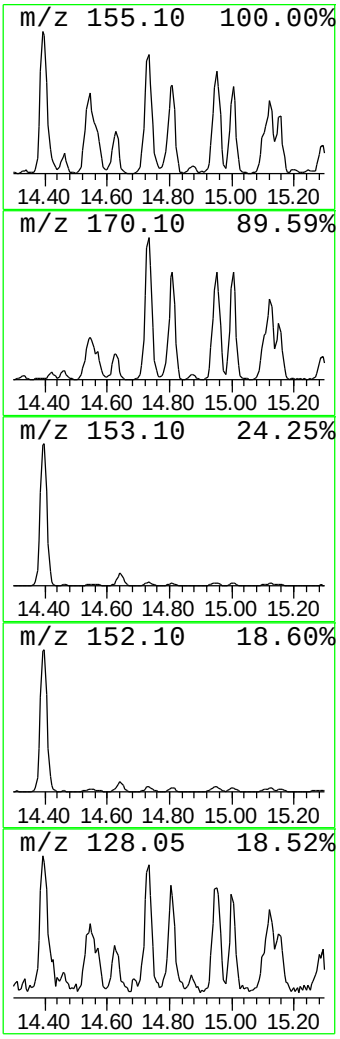
****

Peak Number 3 Naphthalene, 1,6,7-trimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	3.08 ng/ul	588343	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93





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Data File : BM013324.D
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Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B11

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

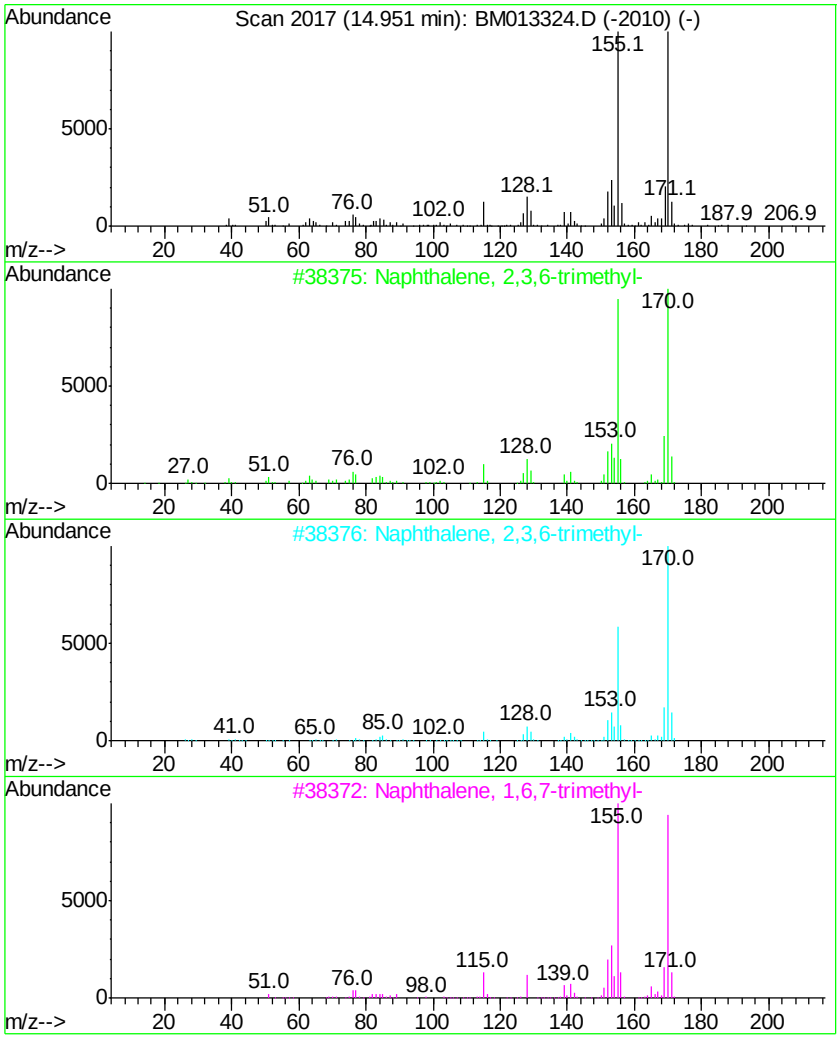
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

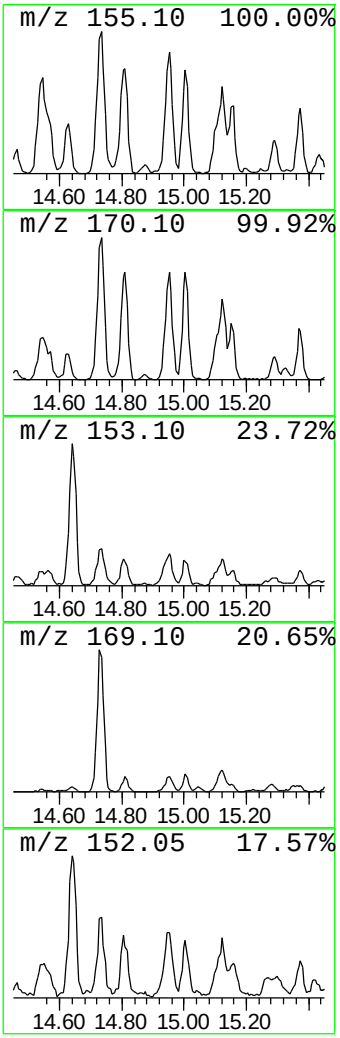
****

Peak Number 4 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	4.53 ng/ul	863485	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96





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Operator : SJ/JU
Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B11

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Quant Title : SVOA CALIBRATION

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

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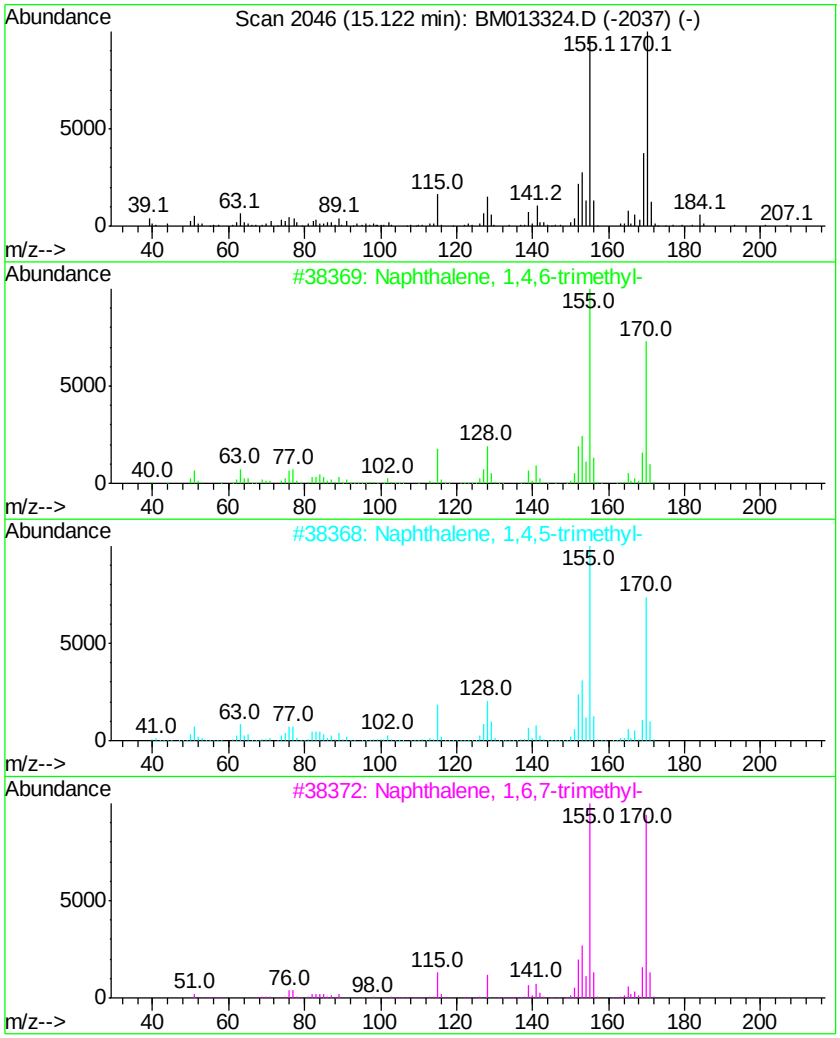
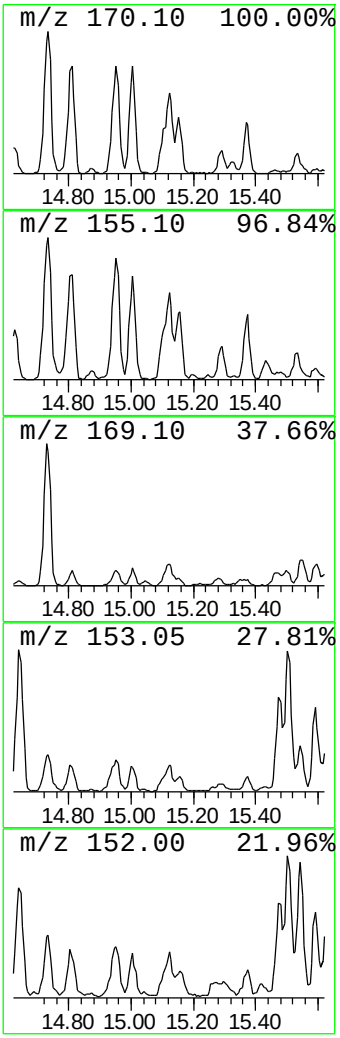
Peak Number 6 Naphthalene, 1,4,6-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	4.24 ng/ul	808739	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





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ClientSampleId : F9B11

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Quant Title : SVOA CALIBRATION

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

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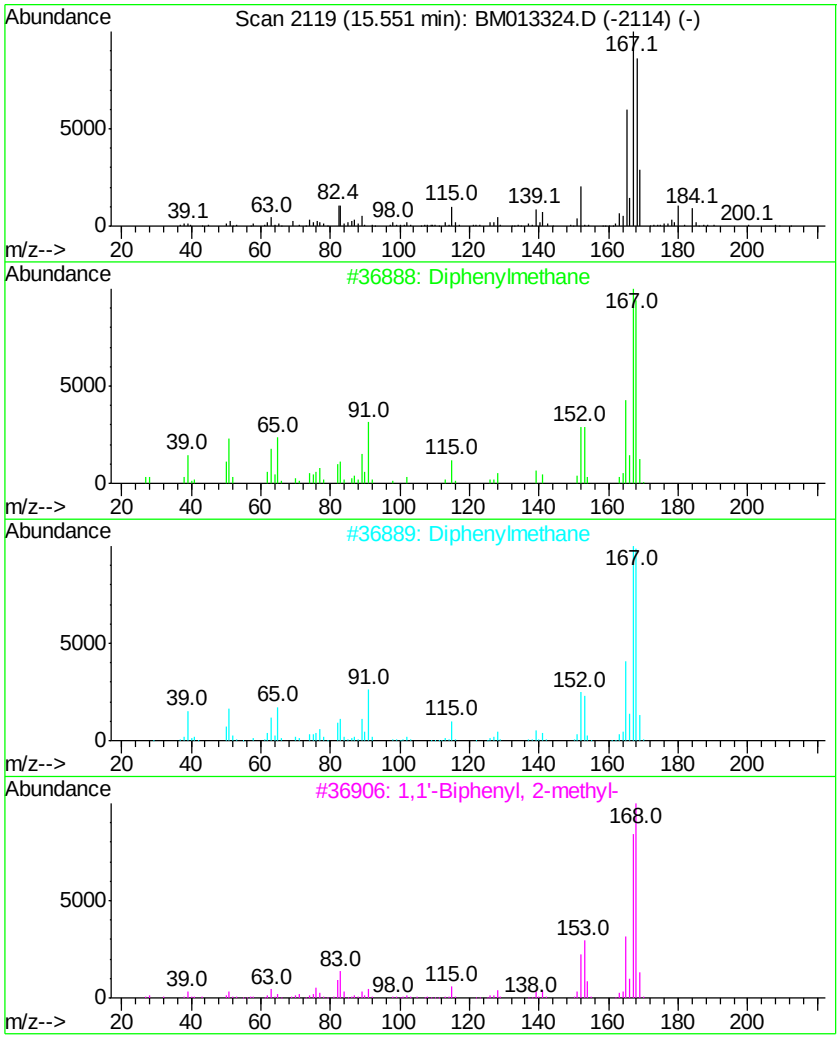
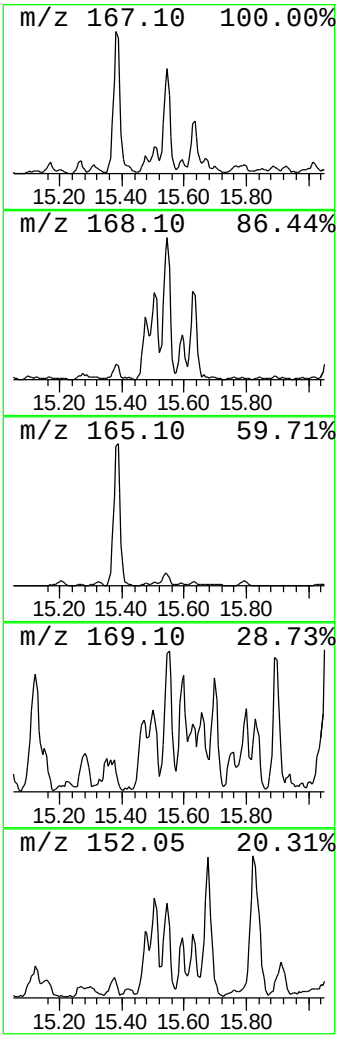
Peak Number 8 Diphenylmethane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	8.24 ng/ul	1572170	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	62
2	Diphenylmethane	168	C13H12	000101-81-5	58
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
5	3,4-Dihydroxy-5-methoxybenzaldehyde	168	C8H8O4	003934-87-0	47





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Misc :
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Instrument : BNA_M
ClientSampleId : F9B11

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Quant Title : SVOA CALIBRATION

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

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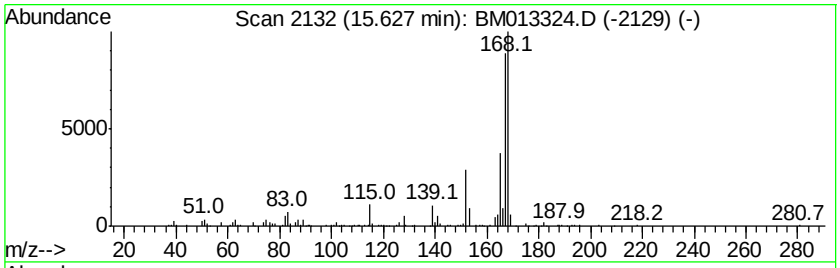
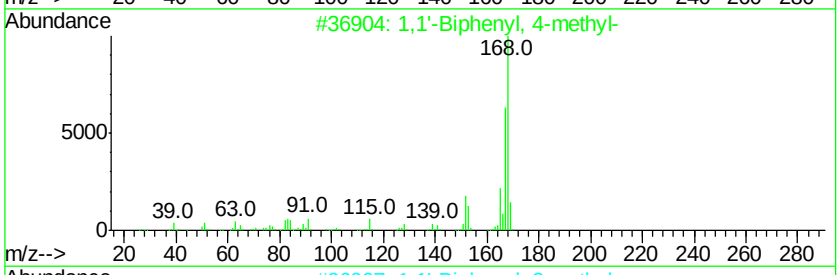
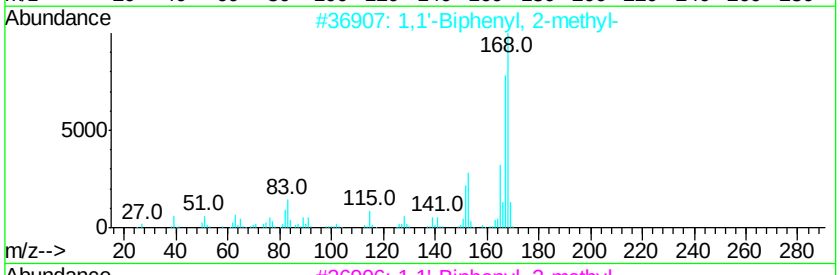
Peak Number 10 1,1'-Biphenyl, 4-methyl- Concentration Rank 25

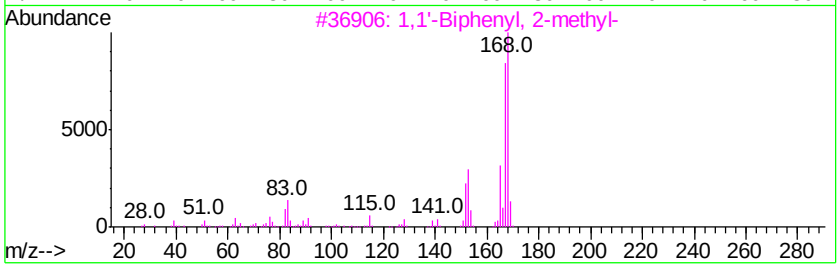
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	3.88 ng/ul	740627	Acenaphthene-d10	14.33

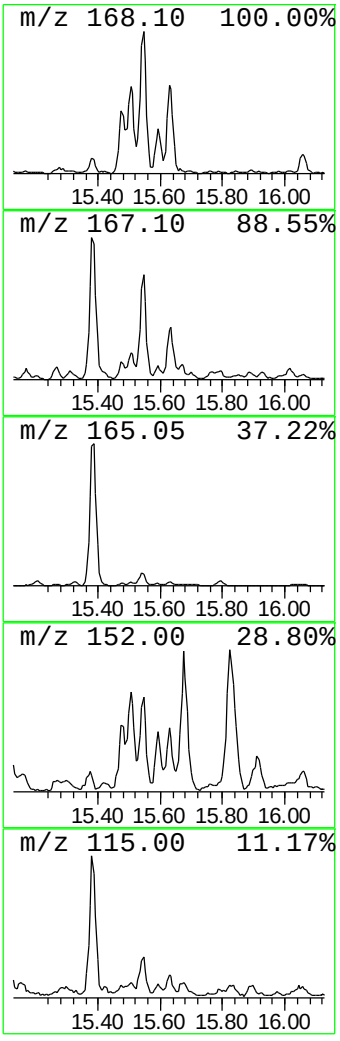
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	83
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	74
5	Diphenylmethane	168	C13H12	000101-81-5	74











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Misc :
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ClientSampleId : F9B11

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Quant Title : SVOA CALIBRATION

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

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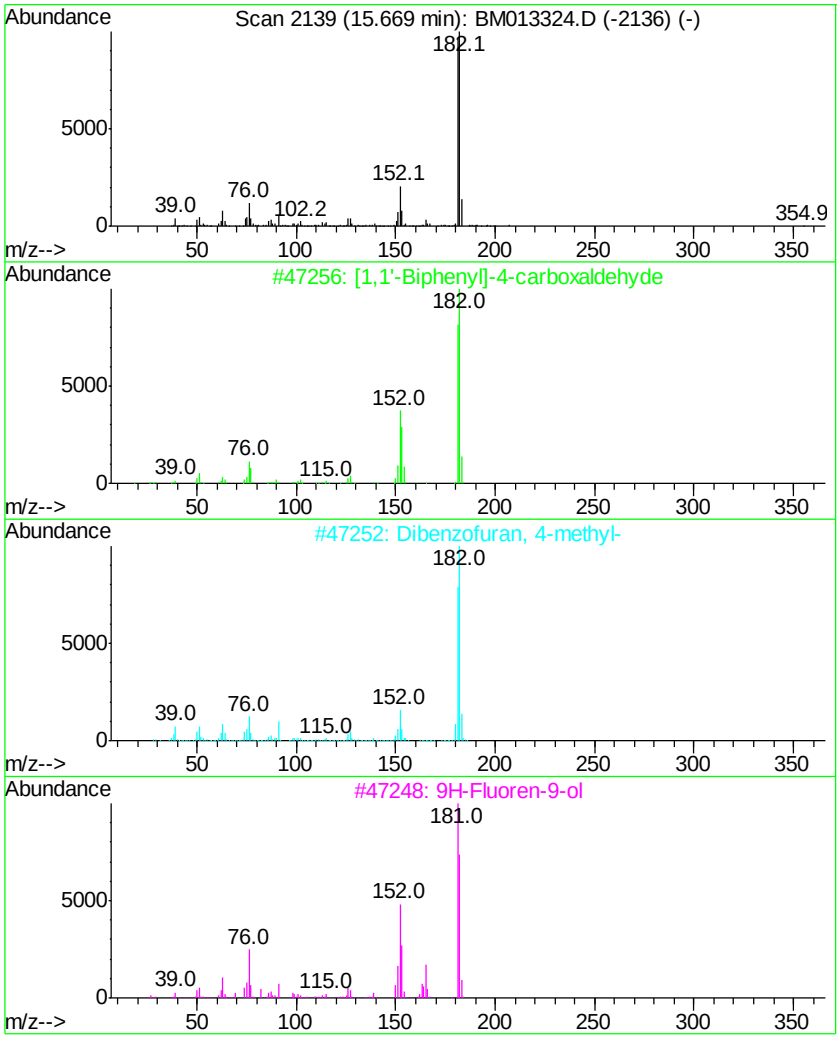
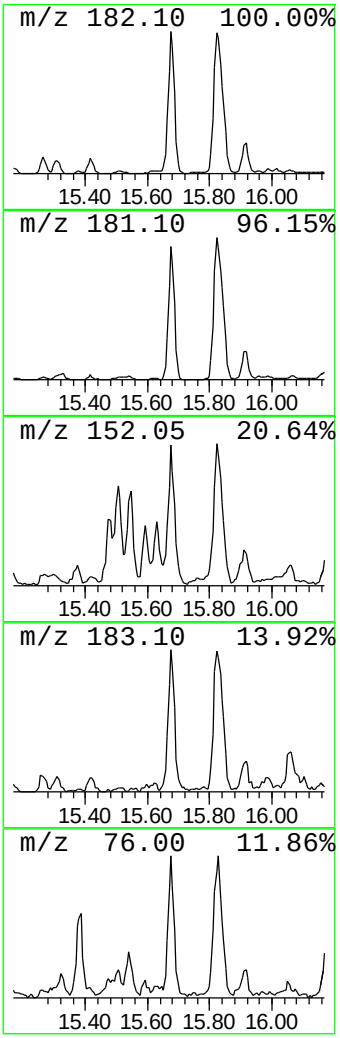
Peak Number 11 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	9.82 ng/ul	1874450	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86





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Quant Title : SVOA CALIBRATION

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

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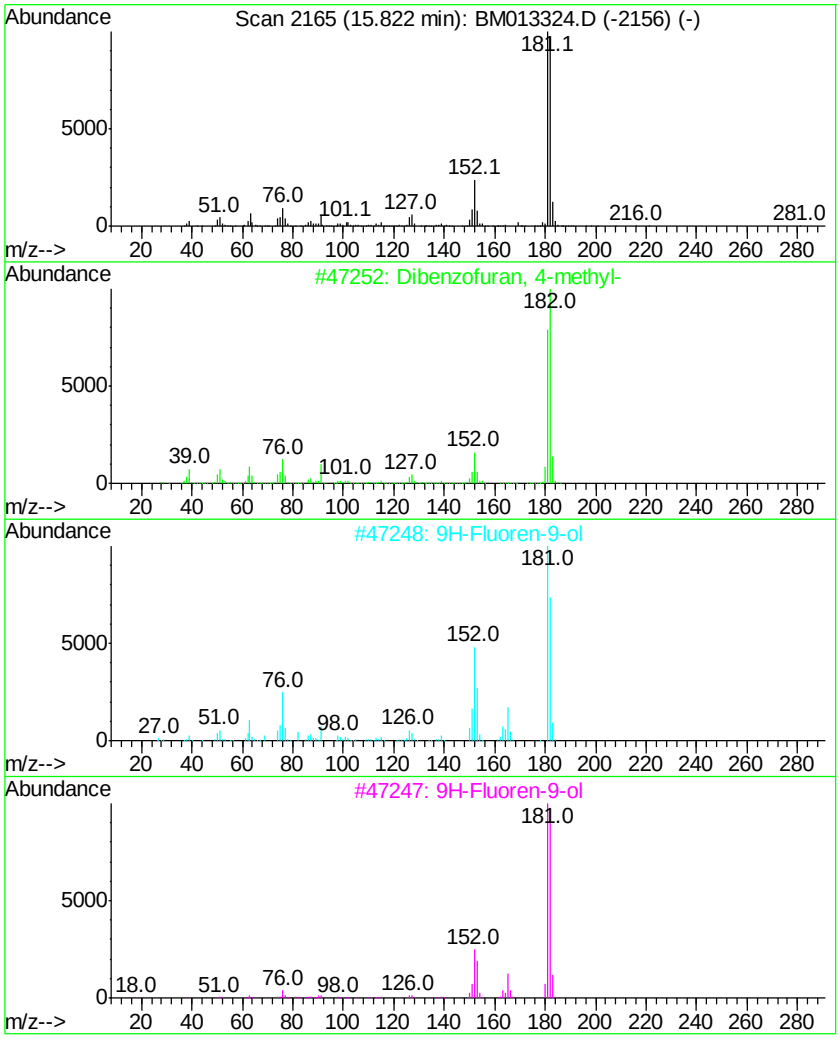
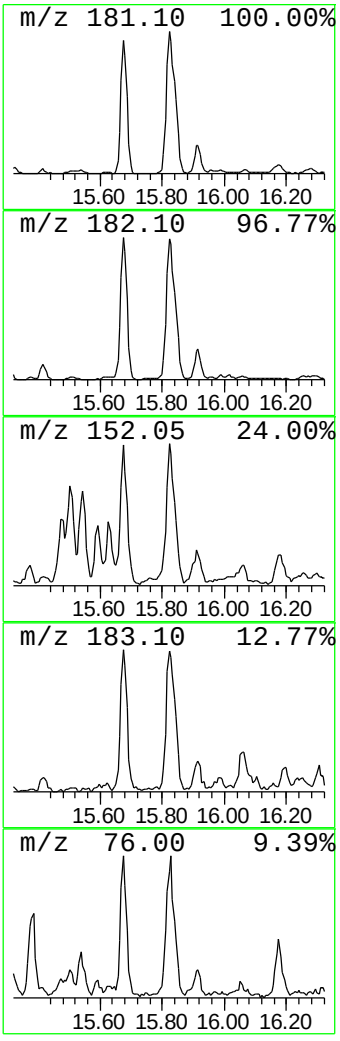
Peak Number 12 Dibenzofuran, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	12.06 ng/ul	2582230	Phenanthrene-d10	17.08

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	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83





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Misc :
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Instrument : BNA_M
ClientSampleId : F9B11

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Quant Title : SVOA CALIBRATION

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

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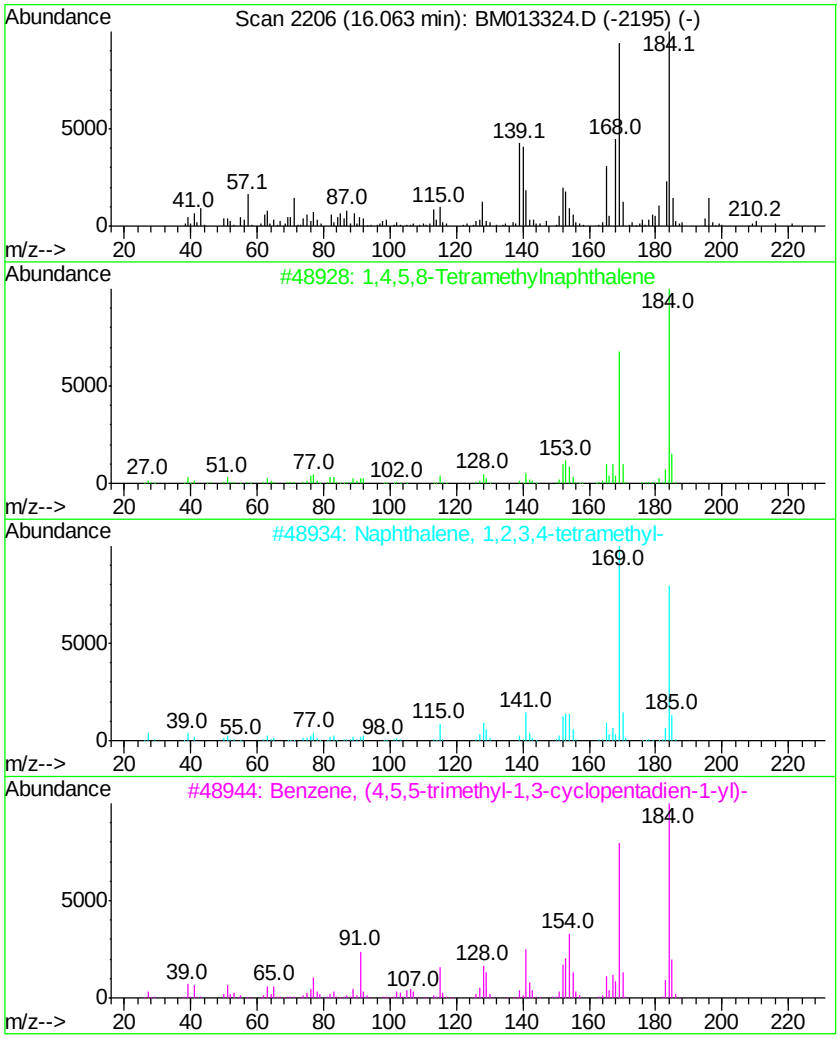
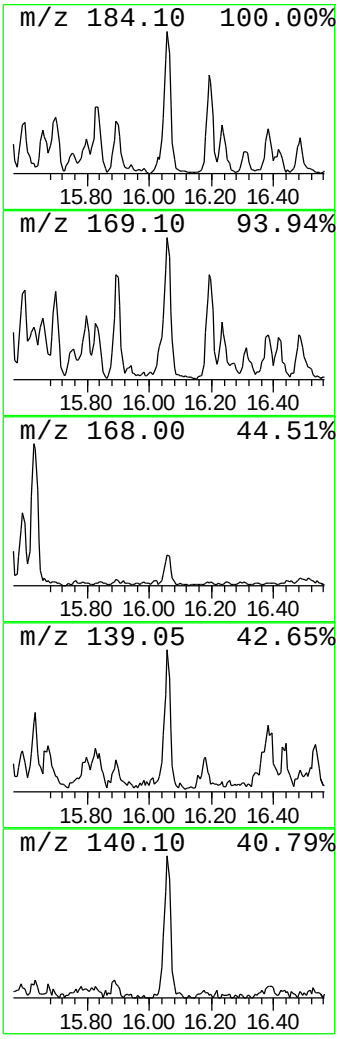
Peak Number 14 1,4,5,8-Tetramethylnaphthalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	4.51 ng/ul	965472	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	70
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	64
3	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	49
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	49
5	2,6-Dimethoxy-4-pyrimidinemethanol	169	C8H11NO3	052606-06-1	49





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Quant Title : SVOA CALIBRATION

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

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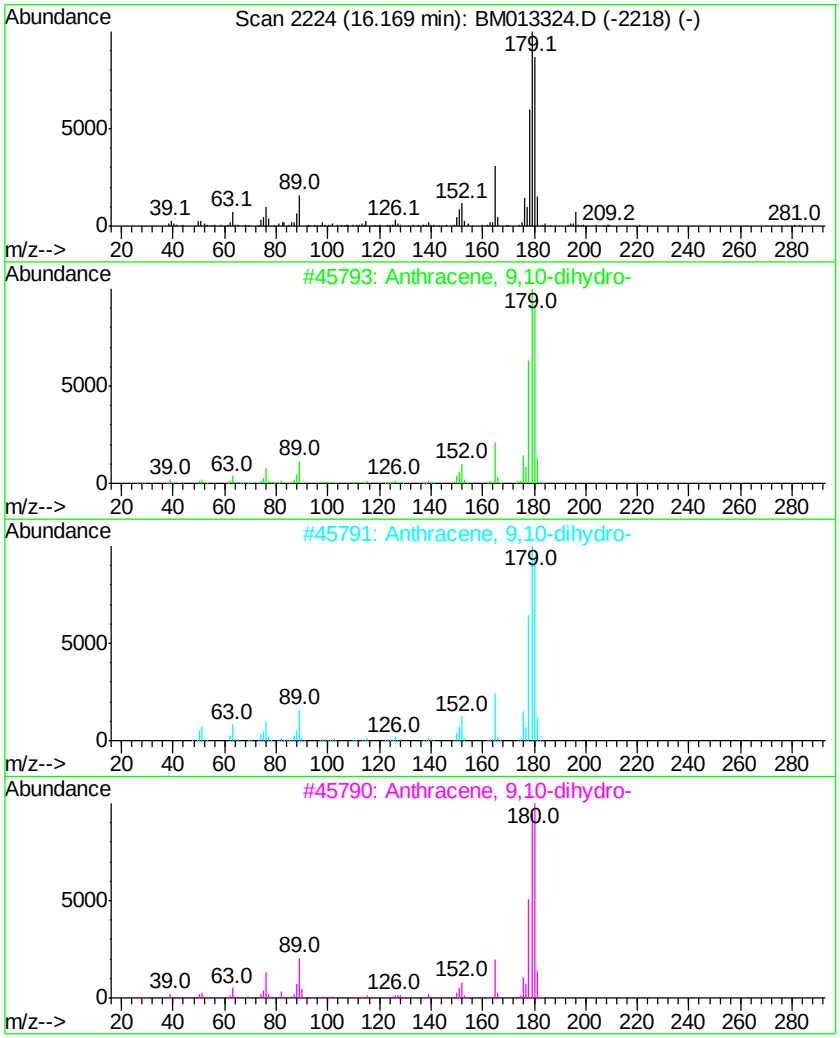
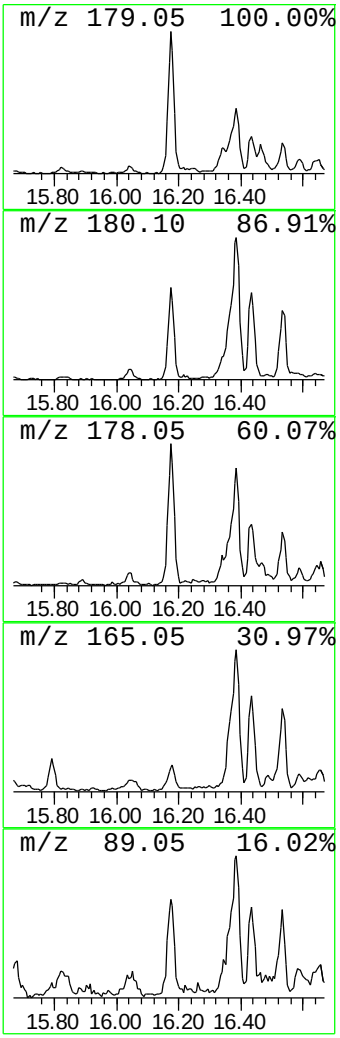
Peak Number 15 Anthracene, 9,10-dihydro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	5.23 ng/ul	1119630	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
5	Phenanthrene, 1,2-dihydro-	180	C14H12	056179-83-0	92





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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 16 9H-Fluorene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	10.00 ng/ul	2141510	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
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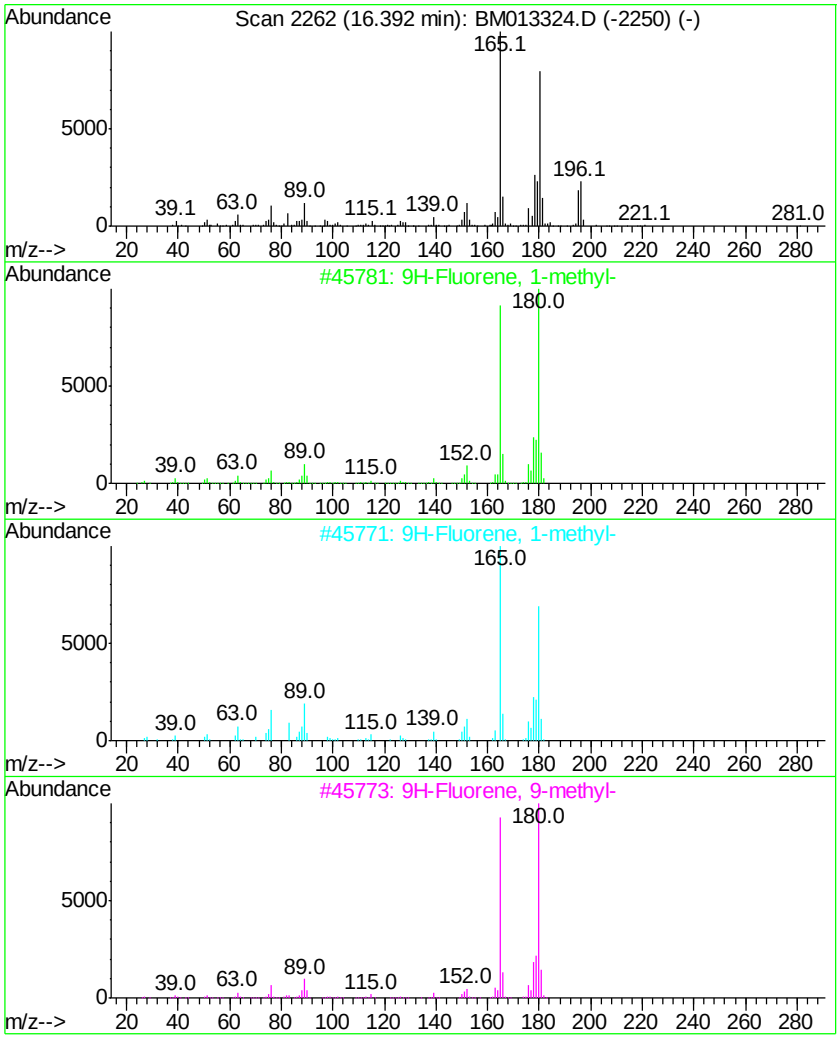

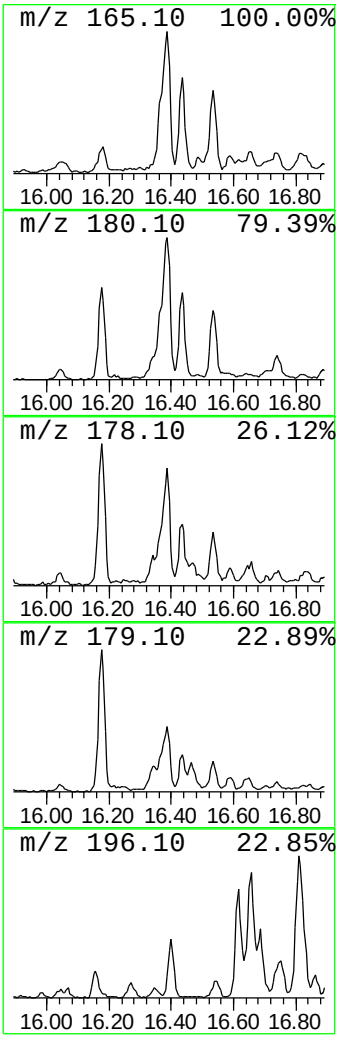

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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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Peak Number 18 9H-Fluorene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	4.14 ng/ul	887485	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	81
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
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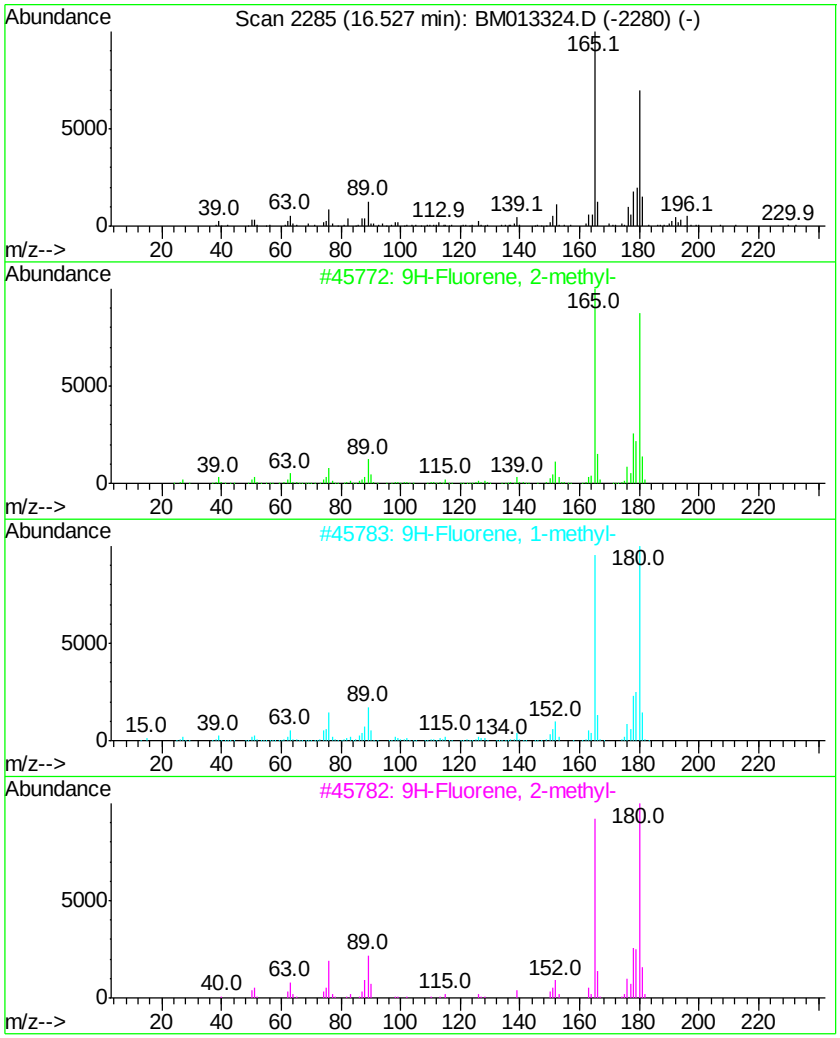

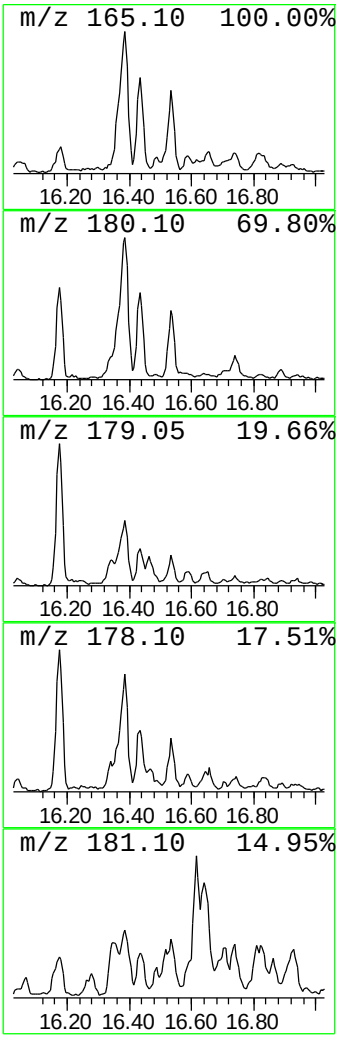

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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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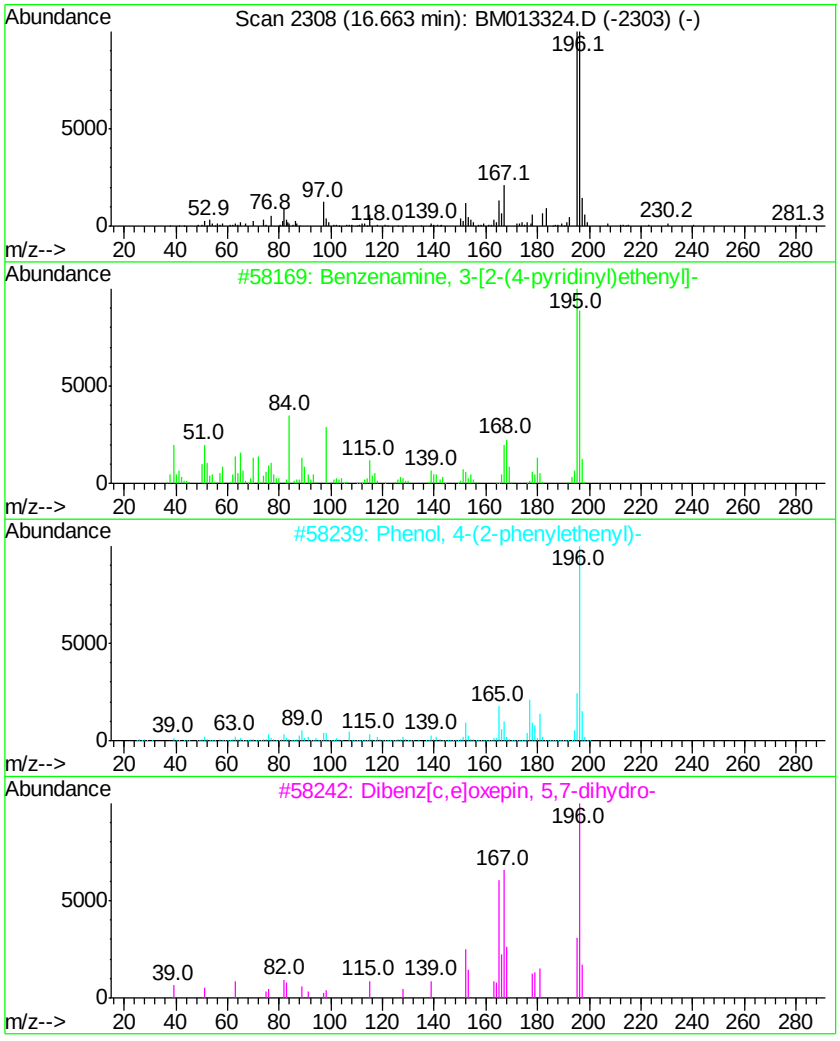
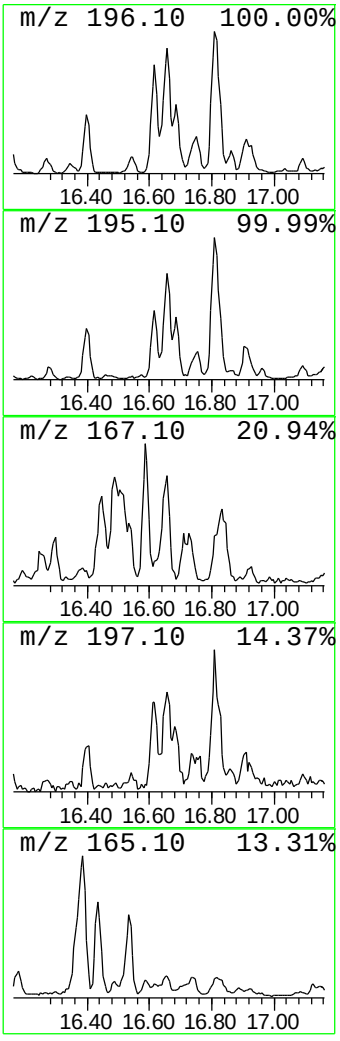
Peak Number 19 Benzenamine, 3-[2-(4-pyridi... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	2.53 ng/ul	541653	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	53
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
3	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	49
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	46
5	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	45





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Quant Title : SVOA CALIBRATION

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

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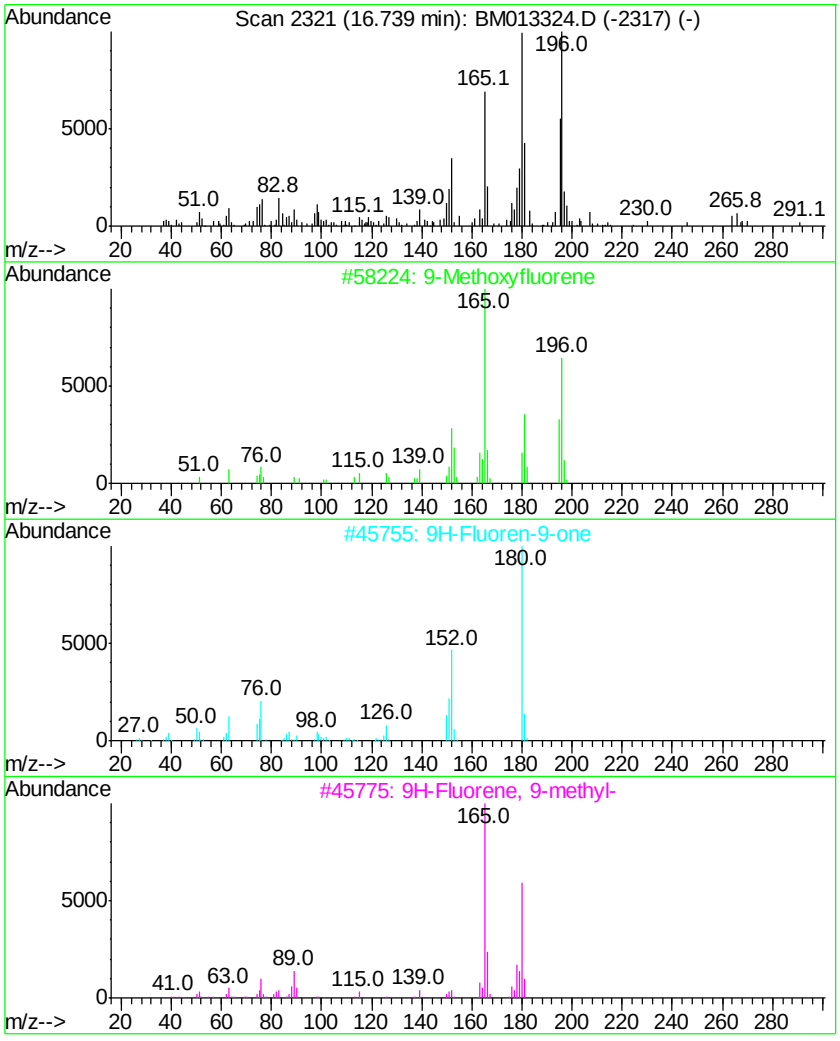
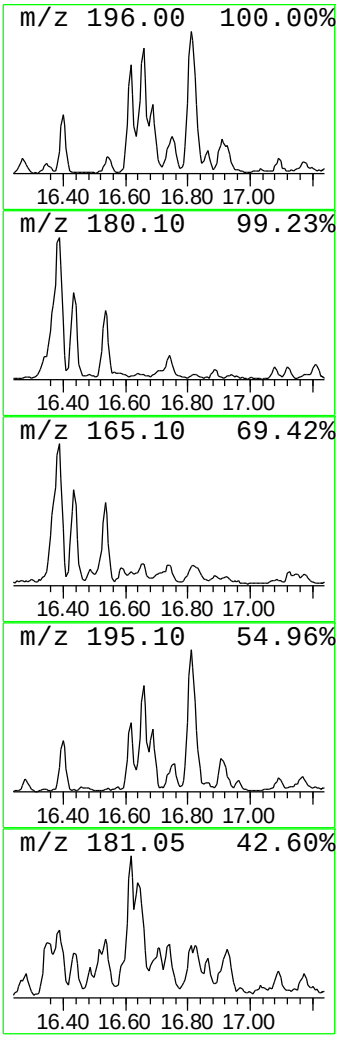
Peak Number 20 9-Methoxyfluorene Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	2.13 ng/ul	455390	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Methoxyfluorene	196	C14H12O	019126-15-9	53
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	47
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	46
4	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	46
5	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	45





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Acq On : 12 Dec 2017 03:08
Operator : SJ/JU
Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B11

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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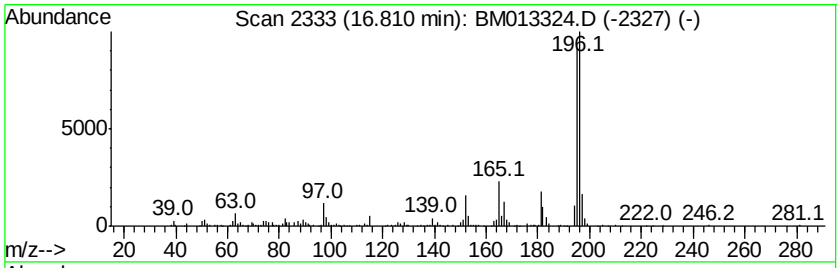
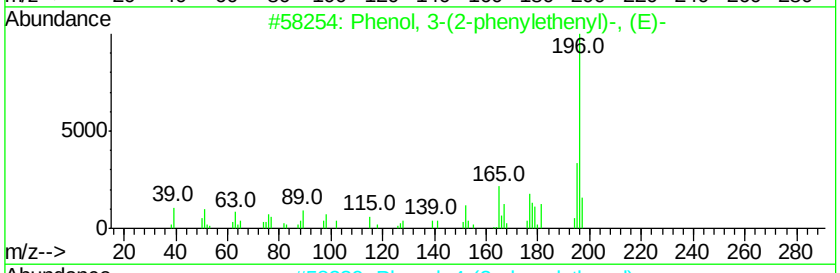
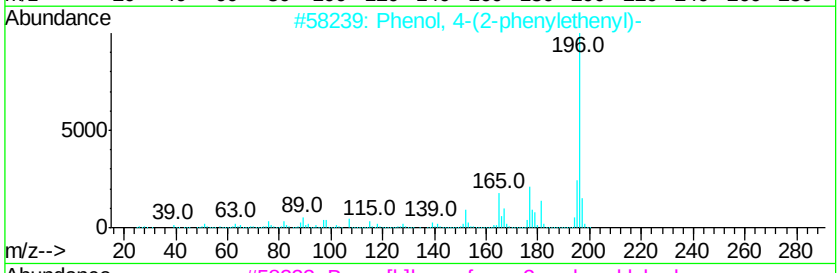
Peak Number 21 Phenol, 3-(2-phenylethenyl)... Concentration Rank 12

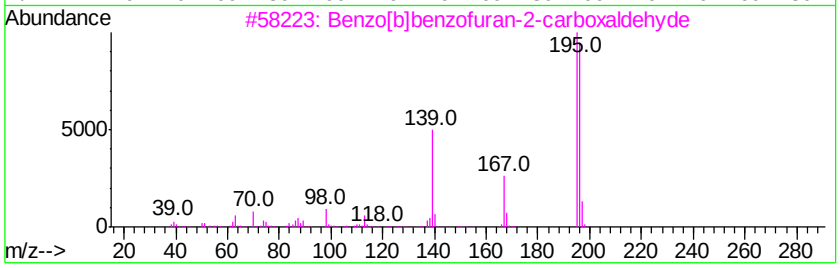
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	6.06 ng/ul	1297950	Phenanthrene-d10	17.08

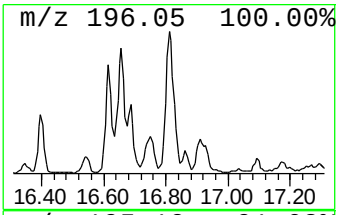
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	70
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	62
3	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	62
4	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	52
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	50

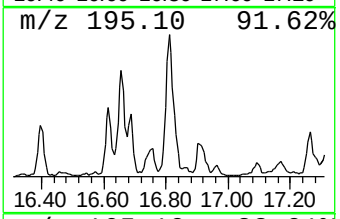


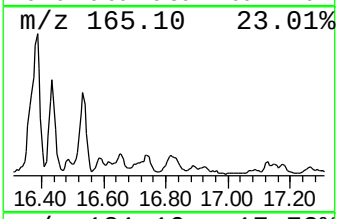


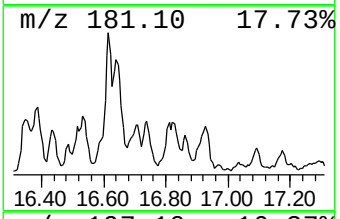


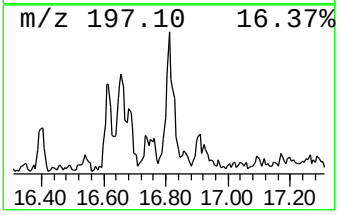












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Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B11

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Quant Title : SVOA CALIBRATION

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

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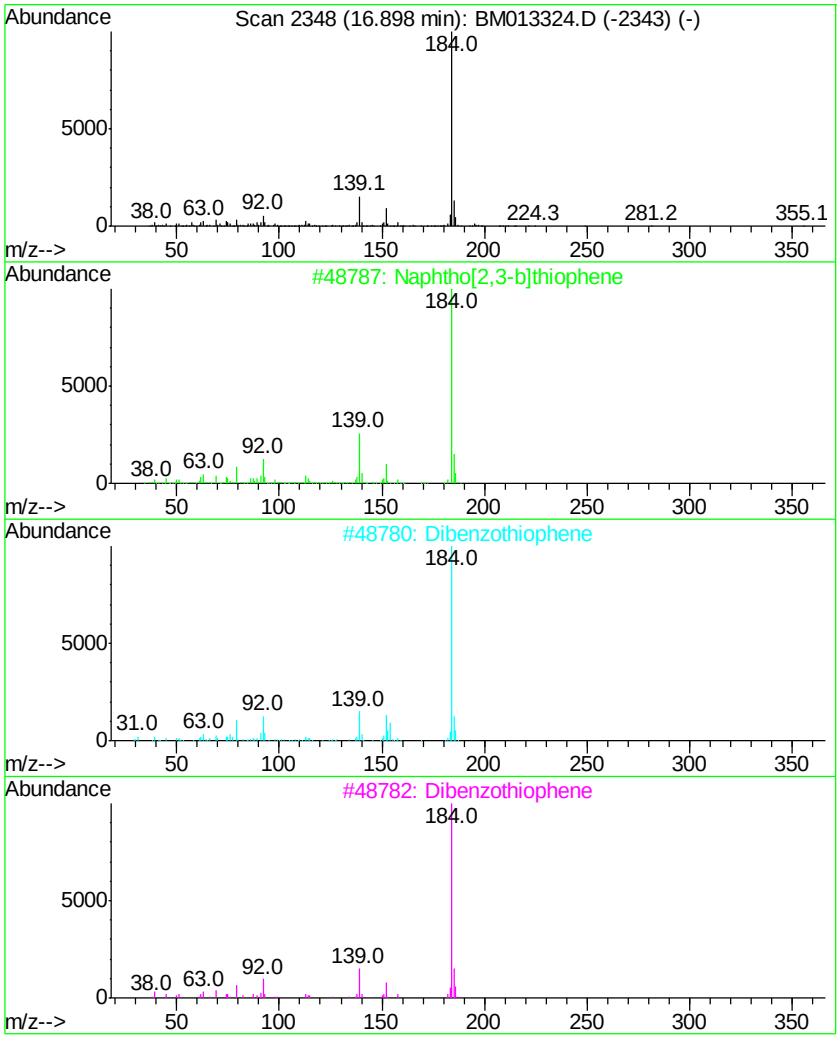
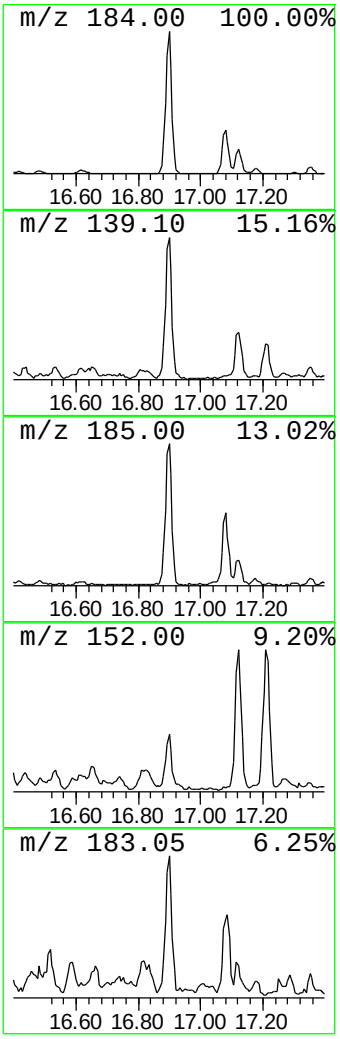
Peak Number 22 Naphtho[2,3-b]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	9.30 ng/ul	1991320	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





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Misc :
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Instrument : BNA_M
ClientSampleId : F9B11

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Quant Title : SVOA CALIBRATION

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

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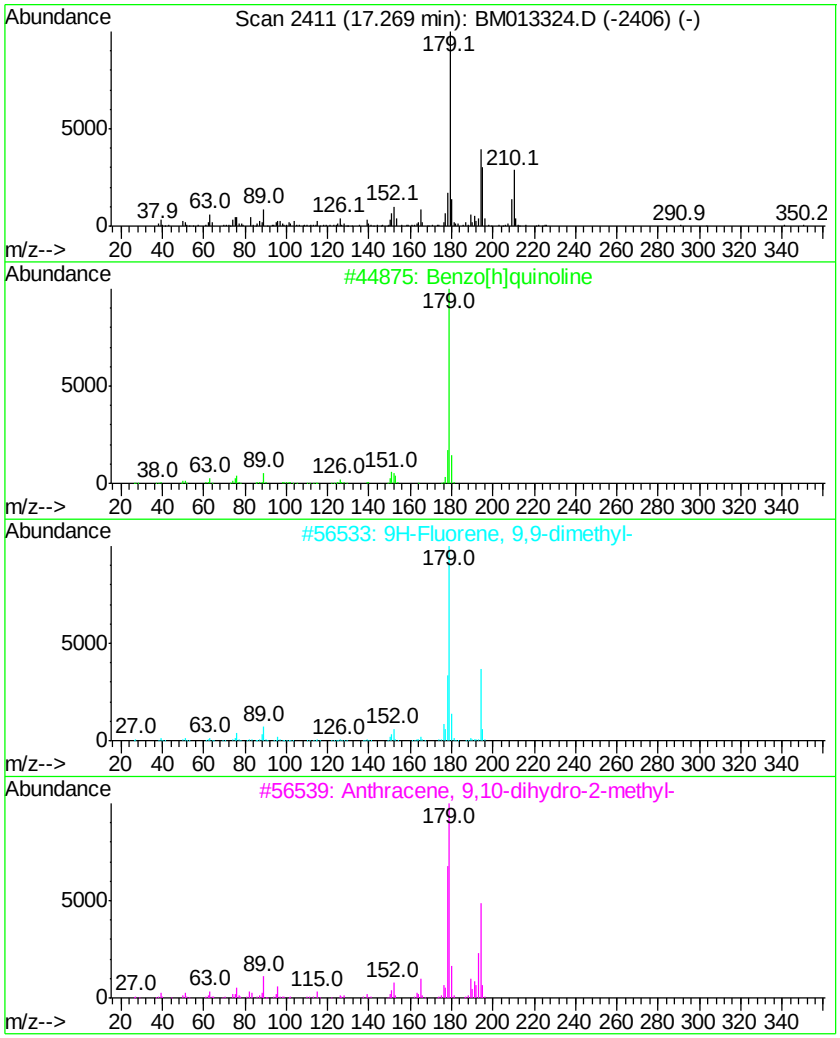
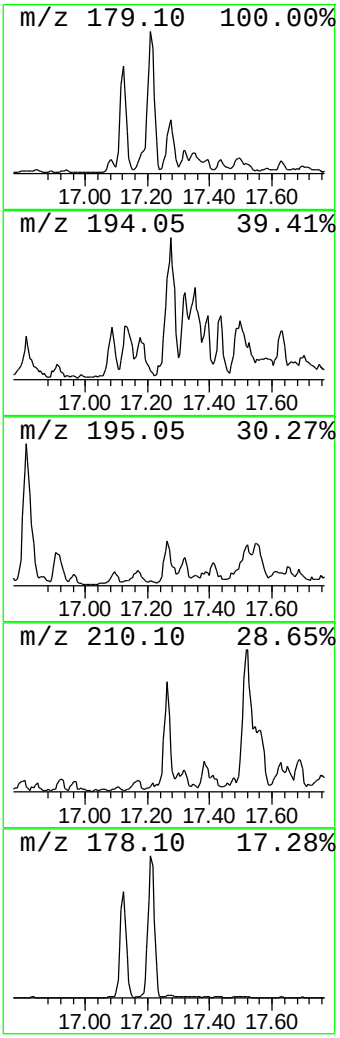
Peak Number 23 Benzo[h]quinoline Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	3.05 ng/ul	654208	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]quinoline	179	C13H9N	000230-27-3	64
2	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	62
3	Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	58
4	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	53
5	1-(4-Methoxymethyl-2,6-dimethylp...	194	C12H18O2	1000202-02-5	52





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Quant Title : SVOA CALIBRATION

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

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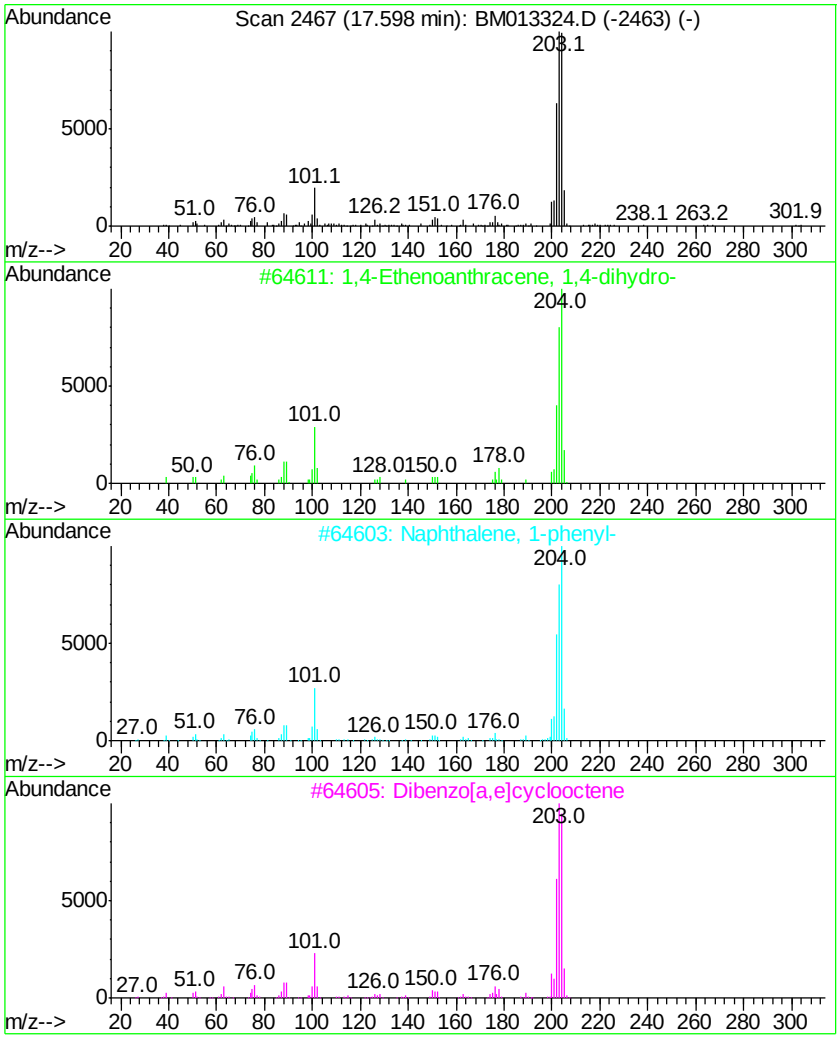
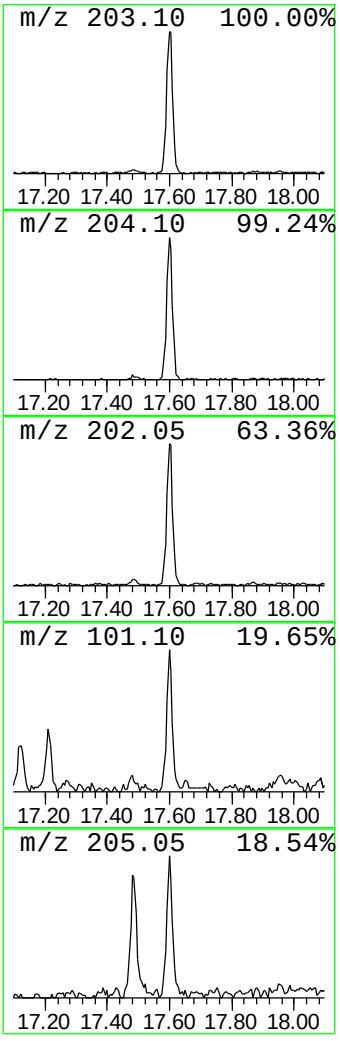
Peak Number 24 1,4-Ethenoanthracene, 1,4-d... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	2.32 ng/ul	497229	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	90
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
3	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	90
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	83
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	81





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Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B11

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Quant Title : SVOA CALIBRATION

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

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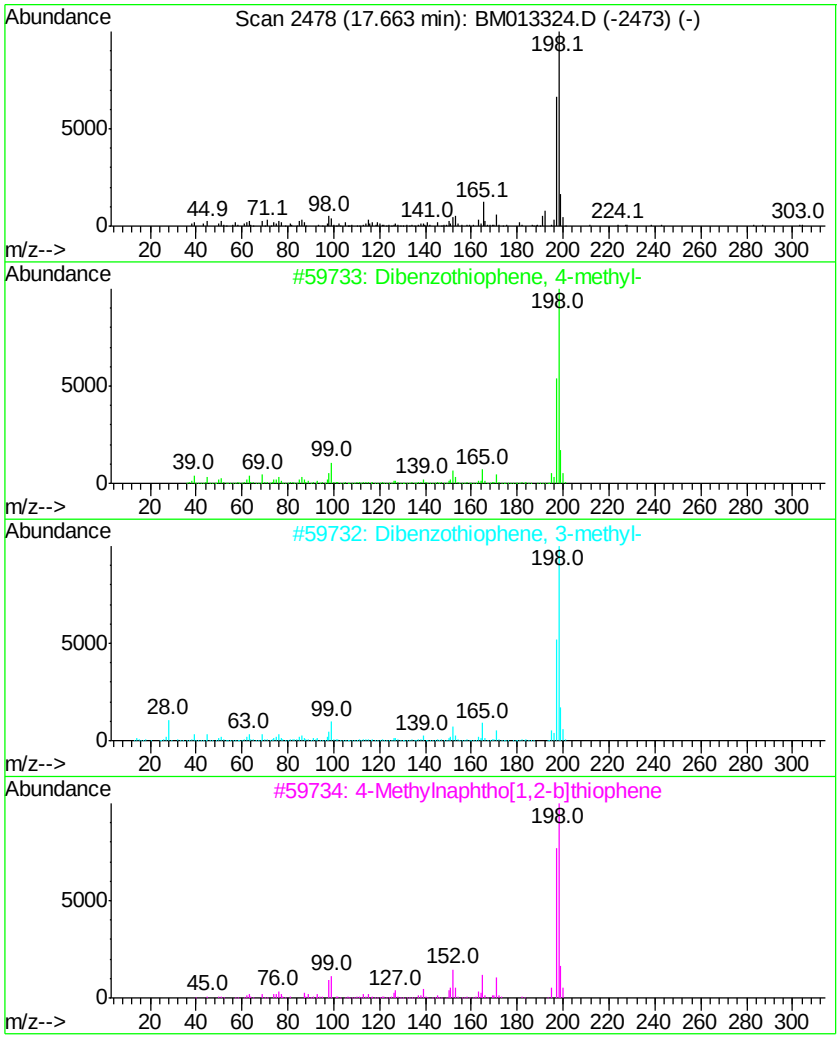
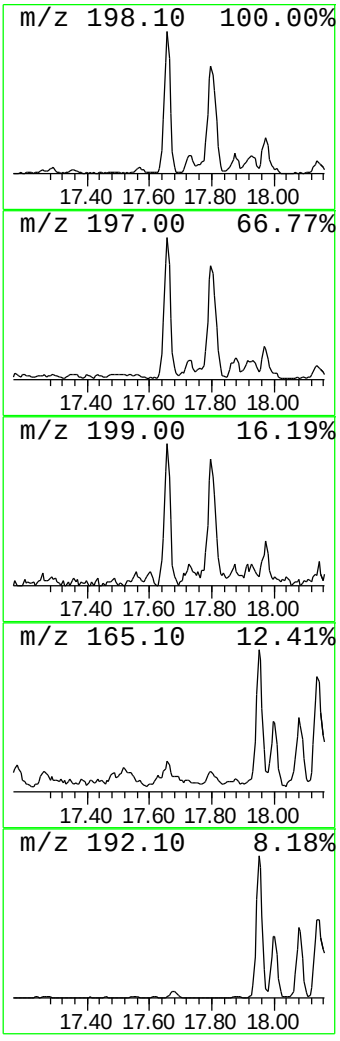
Peak Number 25 Dibenzothiophene, 4-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	2.73 ng/ul	583556	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	93
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72





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Misc :
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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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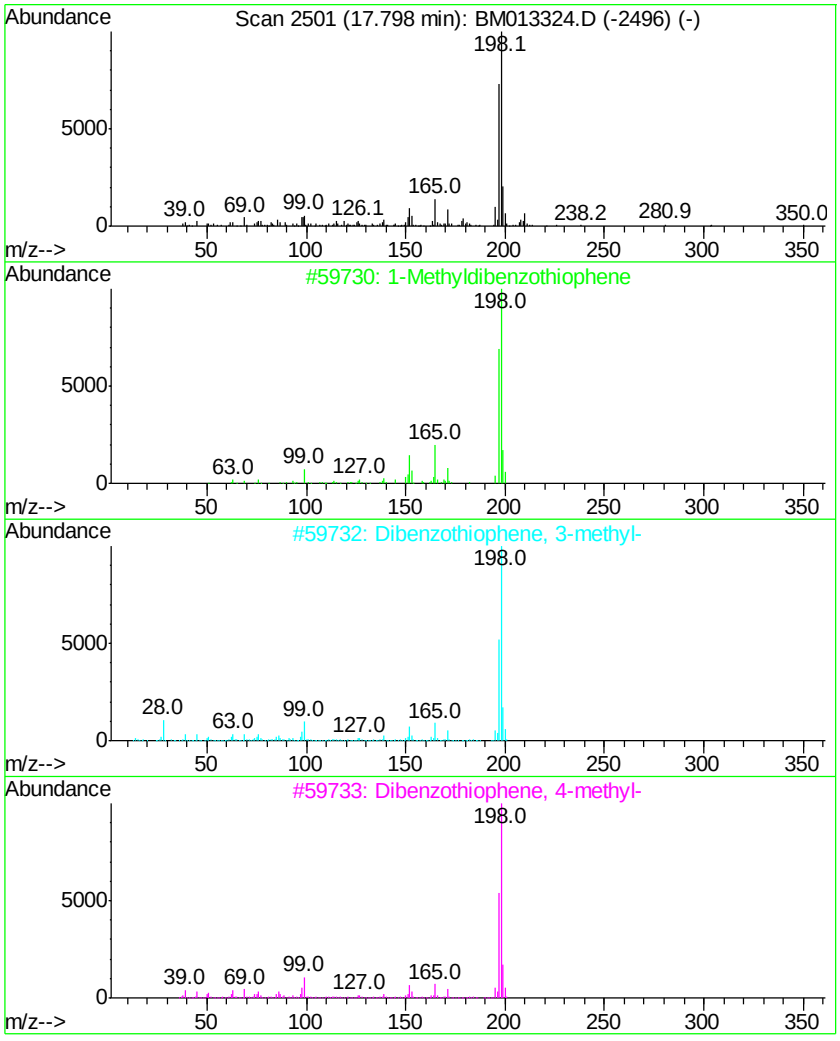
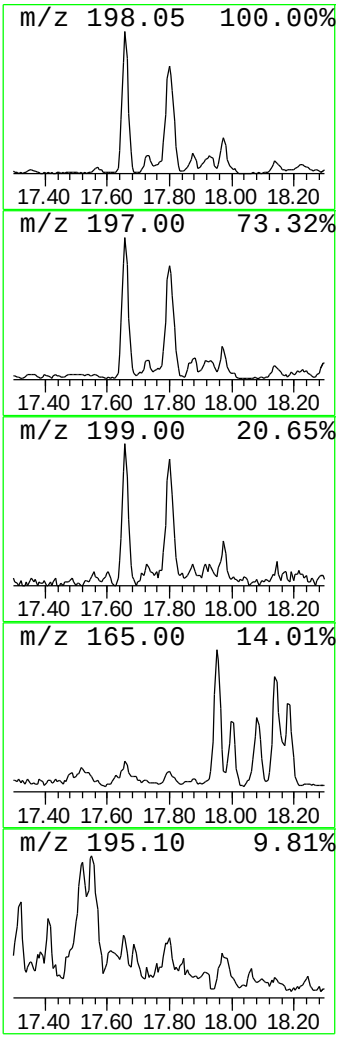
Peak Number 26 1-Methyldibenzothiophene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	2.33 ng/ul	498016	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	92
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91
5	Tacrine	198	C13H14N2	000321-64-2	72





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Misc :
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Instrument : BNA_M
ClientSampleId : F9B11

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Quant Title : SVOA CALIBRATION

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

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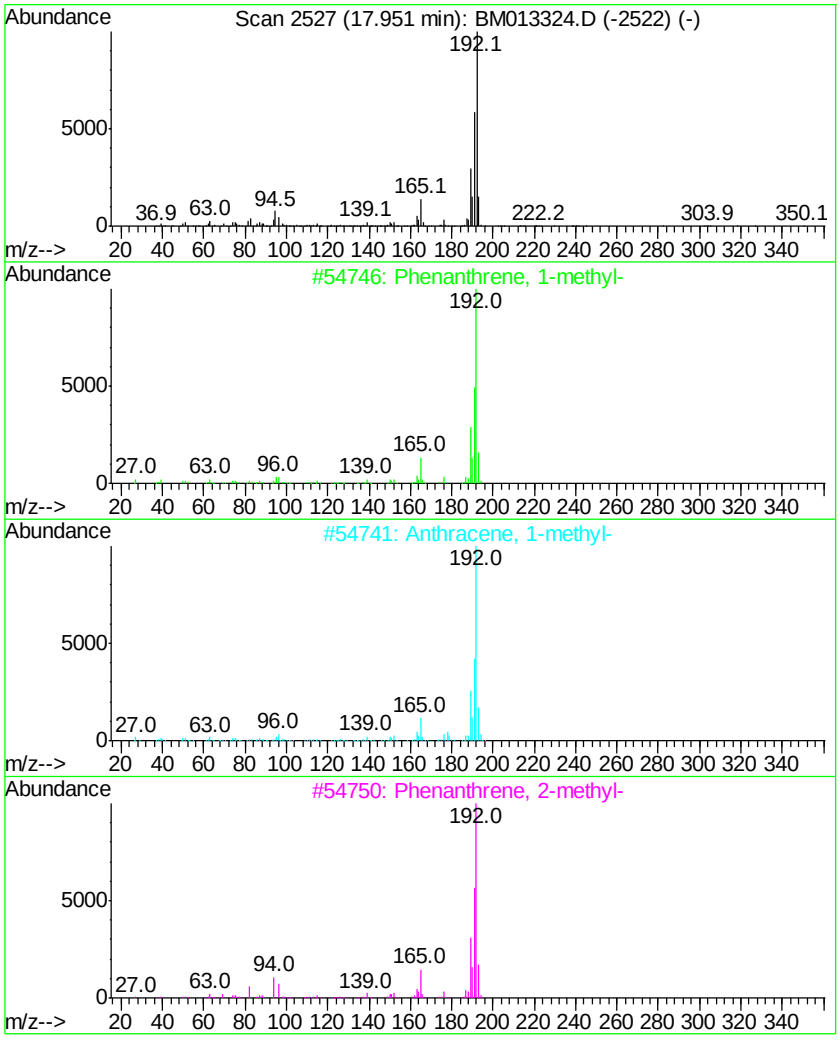
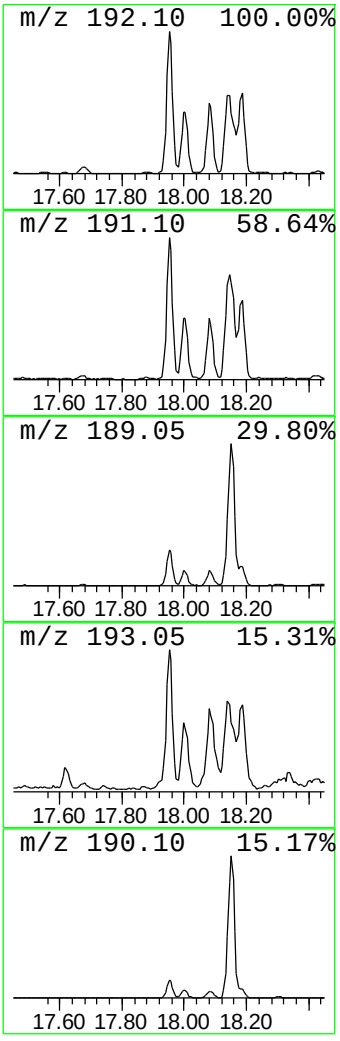
Peak Number 27 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	13.21 ng/ul	2829210	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Misc :
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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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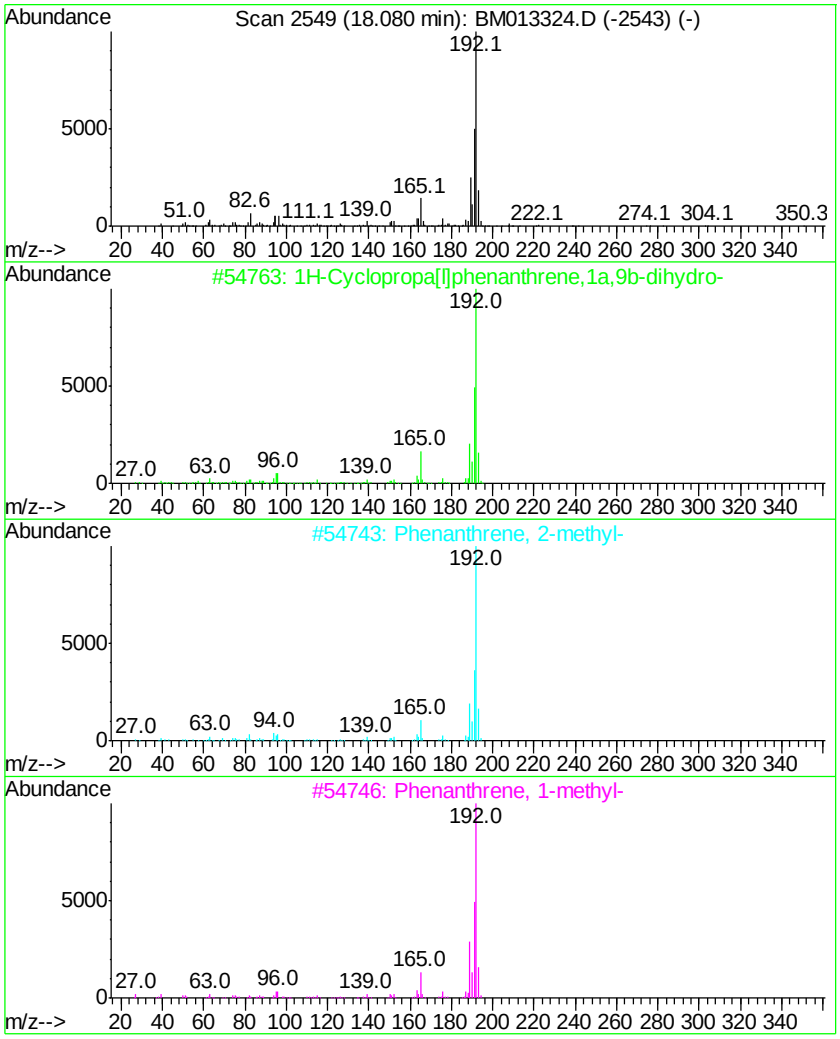
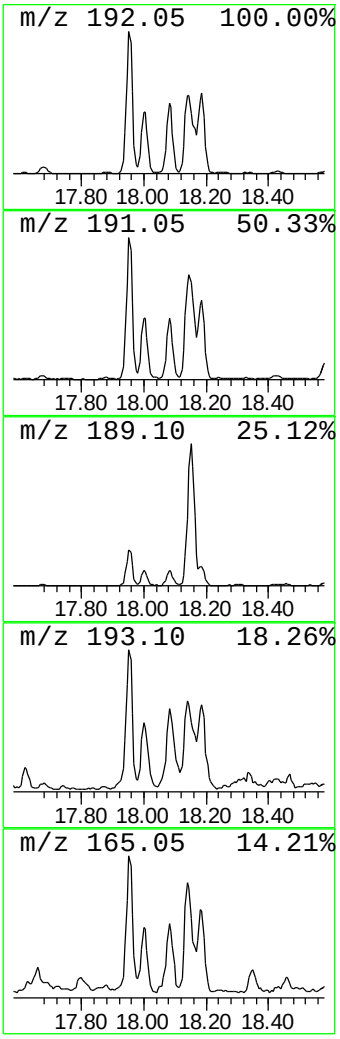
Peak Number 29 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	7.27 ng/ul	1556470	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96





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Quant Title : SVOA CALIBRATION

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

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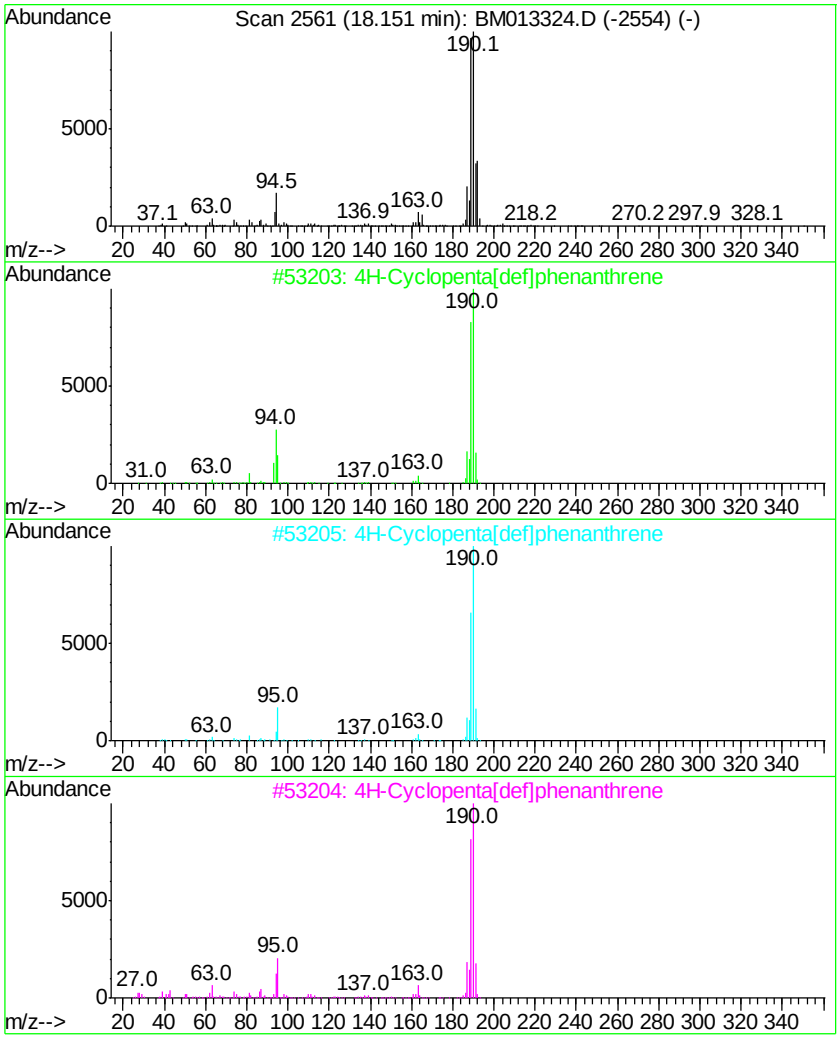
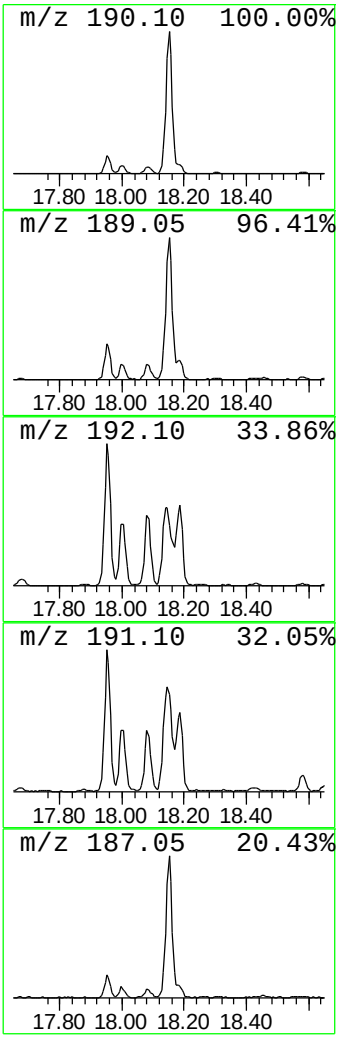
Peak Number 30 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	27.14 ng/ul	5811910	Phenanthrene-d10	17.08

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	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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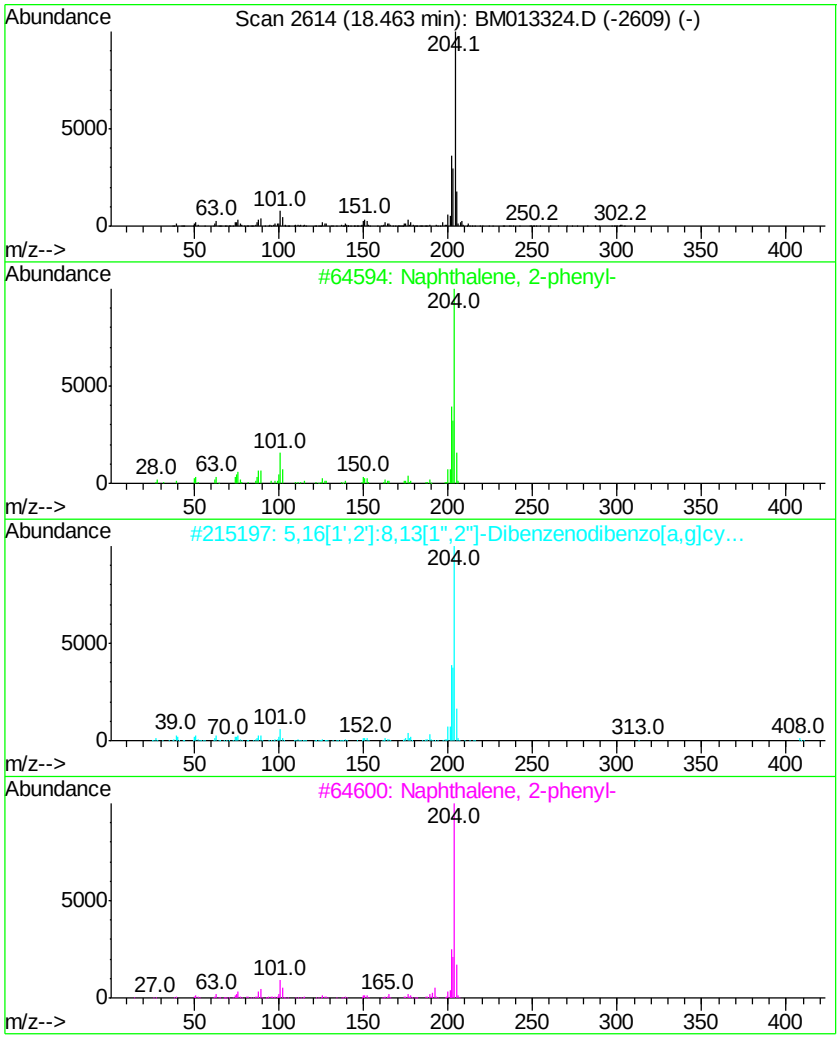
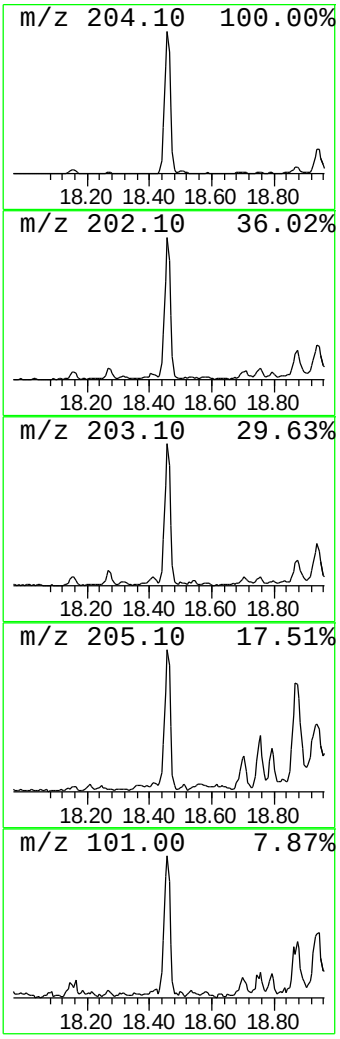
Peak Number 32 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	7.71 ng/ul	1651890	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM121117\
Data File : BM013324.D
Acq On : 12 Dec 2017 03:08
Operator : SJ/JU
Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B11

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, 2,7-...	13.88	2.6	ng/ul	501316	3	14.33	3816080	20.0
1-Isopropenylnaph...	14.64	4.0	ng/ul	758287	3	14.33	3816080	20.0
Naphthalene, 1,6,...	14.80	3.1	ng/ul	588343	3	14.33	3816080	20.0
Naphthalene, 2,3,...	14.95	4.5	ng/ul	863485	3	14.33	3816080	20.0
Naphthalene, 1,4,...	15.12	4.2	ng/ul	808739	3	14.33	3816080	20.0
Diphenylmethane	15.55	8.2	ng/ul	1572170	3	14.33	3816080	20.0
1,1'-Biphenyl, 4-...	15.63	3.9	ng/ul	740627	3	14.33	3816080	20.0
[1,1'-Biphenyl]-4...	15.67	9.8	ng/ul	1874450	3	14.33	3816080	20.0
Dibenzofuran, 4-m...	15.82	12.1	ng/ul	2582230	4	17.08	4282920	20.0
1,4,5,8-Tetrameth...	16.06	4.5	ng/ul	965472	4	17.08	4282920	20.0
Anthracene, 9,10-...	16.17	5.2	ng/ul	1119630	4	17.08	4282920	20.0
9H-Fluorene, 1-me...	16.39	10.0	ng/ul	2141510	4	17.08	4282920	20.0
9H-Fluorene, 2-me...	16.53	4.1	ng/ul	887485	4	17.08	4282920	20.0
Benzenamine, 3-[2...	16.66	2.5	ng/ul	541653	4	17.08	4282920	20.0
9-Methoxyfluorene	16.74	2.1	ng/ul	455390	4	17.08	4282920	20.0
Phenol, 3-(2-phen...	16.81	6.1	ng/ul	1297950	4	17.08	4282920	20.0
Naphtho[2,3-b]thi...	16.90	9.3	ng/ul	1991320	4	17.08	4282920	20.0
Benzo[h]quinoline	17.27	3.0	ng/ul	654208	4	17.08	4282920	20.0
1,4-Ethenoanthrac...	17.60	2.3	ng/ul	497229	4	17.08	4282920	20.0
Dibenzothiophene,...	17.66	2.7	ng/ul	583556	4	17.08	4282920	20.0
1-Methyldibenzoth...	17.80	2.3	ng/ul	498016	4	17.08	4282920	20.0
Phenanthrene, 1-m...	17.95	13.2	ng/ul	2829210	4	17.08	4282920	20.0
1H-Cyclopropa[l]p...	18.08	7.3	ng/ul	1556470	4	17.08	4282920	20.0
4H-Cyclopenta[def...	18.15	27.1	ng/ul	5811910	4	17.08	4282920	20.0
Naphthalene, 2-ph...	18.46	7.7	ng/ul	1651890	4	17.08	4282920	20.0