LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM123019\
Data File : BM024368.D
Acq On : 30 Dec 2019 12:10
Operator : JU
Sample : K6322-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.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	6.622	629	635	649	rBV2	633590	1333404	2.84%	0.274%
2	6.769	655	660	671	rBV	501203	826914	1.76%	0.170%
3	6.957	685	692	703	rBV	707381	1202239	2.56%	0.247%
4	7.416	763	770	780	rBV	767483	1249509	2.66%	0.257%
5	8.140	887	893	909	rBV	697948	1293365	2.76%	0.266%
6	8.569	960	966	976	rBV	607103	1081586	2.31%	0.222%
7	9.287	1080	1088	1098	rBV	499476	900288	1.92%	0.185%
8	9.828	1174	1180	1196	rBV	691047	1366543	2.91%	0.281%
9	10.181	1232	1240	1245	rBV	1032860	1776641	3.79%	0.365%
10	13.392	1776	1786	1791	rBV	468371	841098	1.79%	0.173%
11	13.504	1800	1805	1809	rVV	1408517	2024544	4.31%	0.416%
12	13.763	1843	1849	1851	rBV	1720269	2377985	5.07%	0.489%
13	13.792	1851	1854	1867	rVB	2600703	4047997	8.63%	0.832%
14	14.074	1893	1902	1908	rVV	1535677	2414712	5.15%	0.496%
15	14.486	1963	1972	1978	rVV2	775092	1253227	2.67%	0.258%
16	15.080	2067	2073	2078	rBV	2286059	3148246	6.71%	0.647%
17	15.133	2078	2082	2088	rBV	1424717	2131117	4.54%	0.438%
18	15.433	2128	2133	2138	rBV	845267	1272478	2.71%	0.261%
19	15.580	2150	2158	2167	rVB	825814	1749979	3.73%	0.360%
20	16.151	2246	2255	2260	rBV3	688798	1474958	3.14%	0.303%
21	16.380	2289	2294	2297	rVV2	706407	1046376	2.23%	0.215%
22	16.421	2297	2301	2304	rVV	689193	1062752	2.27%	0.218%
23	16.504	2310	2315	2321	rVV2	564088	961395	2.05%	0.198%
24	16.574	2322	2327	2333	rVV	760372	1348898	2.87%	0.277%
25	16.657	2337	2341	2351	rVB	641707	1207732	2.57%	0.248%
26	16.839	2366	2372	2374	rBV	1727844	2433512	5.19%	0.500%
27	16.886	2374	2380	2384	rVV	16402471	23082376	49.20%	4.743%
28	16.939	2384	2389	2391	rVV2	2244946	3193552	6.81%	0.656%
29	16.968	2391	2394	2400	rVB	4768052	6471294	13.79%	1.330%
30	17.421	2467	2471	2480	rVB4	330329	841123	1.79%	0.173%
31	17.715	2515	2521	2525	rBV	2936281	4034327	8.60%	0.829%
32	17.762	2525	2529	2537	rVB	4335500	5803519	12.37%	1.193%
33	17.845	2537	2543	2548	rBV	1726209	2465808	5.26%	0.507%
34	17.909	2548	2554	2558	rBV2	4084838	7054155	15.03%	1.449%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM123019\
Data File : BM024368.D
Acq On : 30 Dec 2019 12:10
Operator : JU
Sample : K6322-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Title : SVOA CALIBRATION

35	17.945	2558	2560	2570	rVB	2028987	2427911	5.17%	0.499%
36	18.221	2603	2607	2612	rVV	1942197	2594272	5.53%	0.533%
37	18.274	2612	2616	2622	rVV	659501	888275	1.89%	0.183%
38	18.474	2641	2650	2654	rBV	654667	1192593	2.54%	0.245%
39	18.527	2654	2659	2662	rVV	925622	1144872	2.44%	0.235%
40	18.568	2662	2666	2670	rVB	790559	1014370	2.16%	0.208%
41	18.645	2670	2679	2684	rBV	1844593	3314312	7.06%	0.681%
42	18.709	2684	2690	2693	rVV3	1222687	2524605	5.38%	0.519%
43	18.745	2693	2696	2699	rVV	817318	996016	2.12%	0.205%
44	18.798	2699	2705	2712	rVV3	1545868	2752238	5.87%	0.566%
45	18.921	2719	2726	2731	rBV2	32248712	46919504	100.00%	9.641%
46	18.986	2733	2737	2740	rVV	669431	912386	1.94%	0.187%
47	19.021	2740	2743	2746	rVV3	657934	884645	1.89%	0.182%
48	19.068	2746	2751	2755	rVB	2357511	3073825	6.55%	0.632%
49	19.256	2777	2783	2784	rBV	7354776	9767112	20.82%	2.007%
50	19.286	2784	2788	2796	rVV	25725034	36090055	76.92%	7.416%
51	19.356	2796	2800	2807	rVB2	1579058	2641311	5.63%	0.543%
52	19.462	2807	2818	2825	rBV	2181794	3796490	8.09%	0.780%
53	19.527	2825	2829	2834	rVB2	797815	1244720	2.65%	0.256%
54	19.609	2837	2843	2851	rBV4	2483742	6308604	13.45%	1.296%
55	19.745	2862	2866	2869	rBV2	2017732	3455697	7.37%	0.710%
56	19.786	2869	2873	2878	rVB	4675626	6430586	13.71%	1.321%
57	19.886	2886	2890	2894	rBV	2747890	3282166	7.00%	0.674%
58	19.945	2894	2900	2905	rBV2	3507076	5790785	12.34%	1.190%
59	20.027	2910	2914	2918	rBV	814289	1190101	2.54%	0.245%
60	20.080	2919	2923	2927	rBV	1517900	1899610	4.05%	0.390%
61	20.127	2927	2931	2936	rBV3	1525532	2325013	4.96%	0.478%
62	20.292	2956	2959	2963	rVB2	718945	820342	1.75%	0.169%
63	20.339	2963	2967	2971	rBV4	679945	1210023	2.58%	0.249%
64	20.386	2972	2975	2977	rVV2	644003	935638	1.99%	0.192%
65	20.415	2977	2980	2984	rVB2	622244	809541	1.73%	0.166%
66	20.503	2991	2995	2998	rBV2	597056	838592	1.79%	0.172%
67	20.545	2998	3002	3007	rVV	4691180	5638701	12.02%	1.159%
68	20.703	3023	3029	3032	rVV2	3765146	5373113	11.45%	1.104%
69	20.739	3032	3035	3039	rVV	3118406	4050988	8.63%	0.832%
70	20.798	3039	3045	3049	rVV2	2480057	5777821	12.31%	1.187%
71	20.845	3049	3053	3063	rVB	3991907	5674631	12.09%	1.166%

LSC Area Percent Report

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Operator : JU
Sample : K6322-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Title : SVOA CALIBRATION

72	20.945	3064	3070	3077	rBV2	821173	1988426	4.24%	0.409%
73	21.050	3082	3088	3093	rVV	21310141	34564936	73.67%	7.102%
74	21.103	3093	3097	3106	rVB	16949045	22395178	47.73%	4.602%
75	21.239	3117	3120	3122	rVV2	861178	931423	1.99%	0.191%
76	21.274	3122	3126	3133	rVV4	2237376	3542282	7.55%	0.728%
77	21.374	3138	3143	3148	rBV2	1668299	3045642	6.49%	0.626%
78	21.421	3148	3151	3155	rBV3	966801	1232185	2.63%	0.253%
79	21.545	3169	3172	3175	rBV2	1153989	1468995	3.13%	0.302%
80	21.603	3175	3182	3185	rVV	4406498	7058443	15.04%	1.450%
81	21.650	3186	3190	3195	rVB2	2497428	3485217	7.43%	0.716%
82	21.745	3203	3206	3209	rVB2	735793	844280	1.80%	0.173%
83	21.786	3209	3213	3216	rBV2	1997436	2657501	5.66%	0.546%
84	21.880	3226	3229	3233	rVB2	984886	1310060	2.79%	0.269%
85	22.068	3258	3261	3263	rBV3	648275	870902	1.86%	0.179%
86	22.162	3274	3277	3281	rBV	685413	1085157	2.31%	0.223%
87	22.327	3300	3305	3310	rBV2	1873830	3298686	7.03%	0.678%
88	22.574	3339	3347	3351	rBV2	15009596	32974559	70.28%	6.776%
89	22.727	3367	3373	3378	rBV	3325442	5086617	10.84%	1.045%
90	22.850	3389	3394	3402	rBV3	929948	2622802	5.59%	0.539%
91	23.015	3415	3422	3426	rBV	7362586	12768893	27.21%	2.624%
92	23.056	3426	3429	3432	rVV	1959795	3077601	6.56%	0.632%
93	23.109	3432	3438	3445	rVB	12059088	20680470	44.08%	4.249%
94	23.191	3446	3452	3455	rBV	1635586	3044213	6.49%	0.626%
95	23.233	3455	3459	3467	rVB2	3258751	6404224	13.65%	1.316%
96	23.697	3534	3538	3546	rVB3	923660	1754754	3.74%	0.361%
97	23.997	3584	3589	3594	rBV	614807	1149472	2.45%	0.236%
98	25.291	3799	3809	3818	rVB	5655270	14976187	31.92%	3.077%
99	25.527	3843	3849	3856	rVB	977762	2264706	4.83%	0.465%
100	25.932	3909	3918	3927	rBV	3361053	9318434	19.86%	1.915%

Sum of corrected areas: 486667358

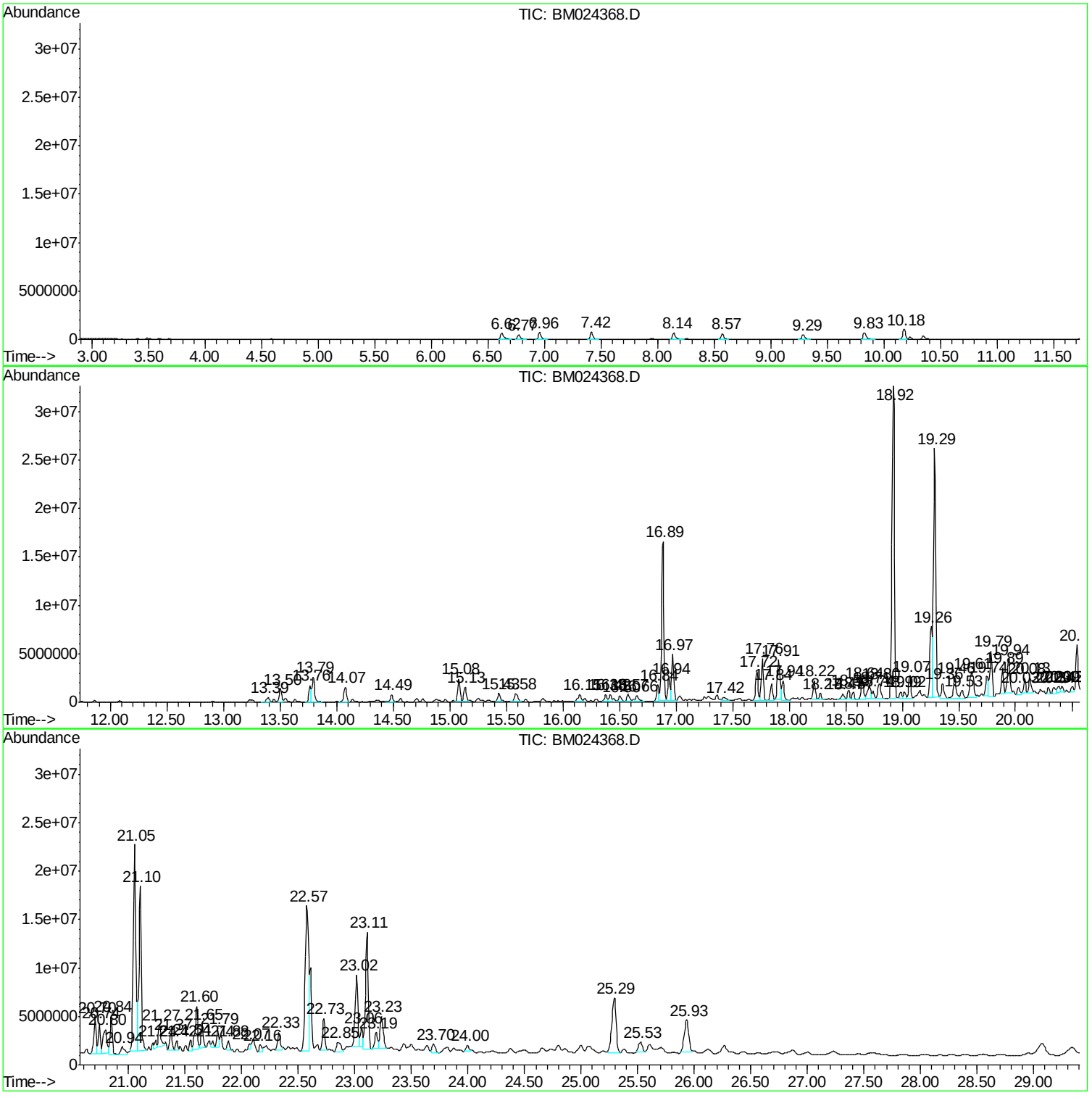
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM123019\
Data File : BM024368.D
Acq On : 30 Dec 2019 12:10
Operator : JU
Sample : K6322-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM123019\
Data File : BM024368.D
Acq On : 30 Dec 2019 12:10
Operator : JU
Sample : K6322-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30

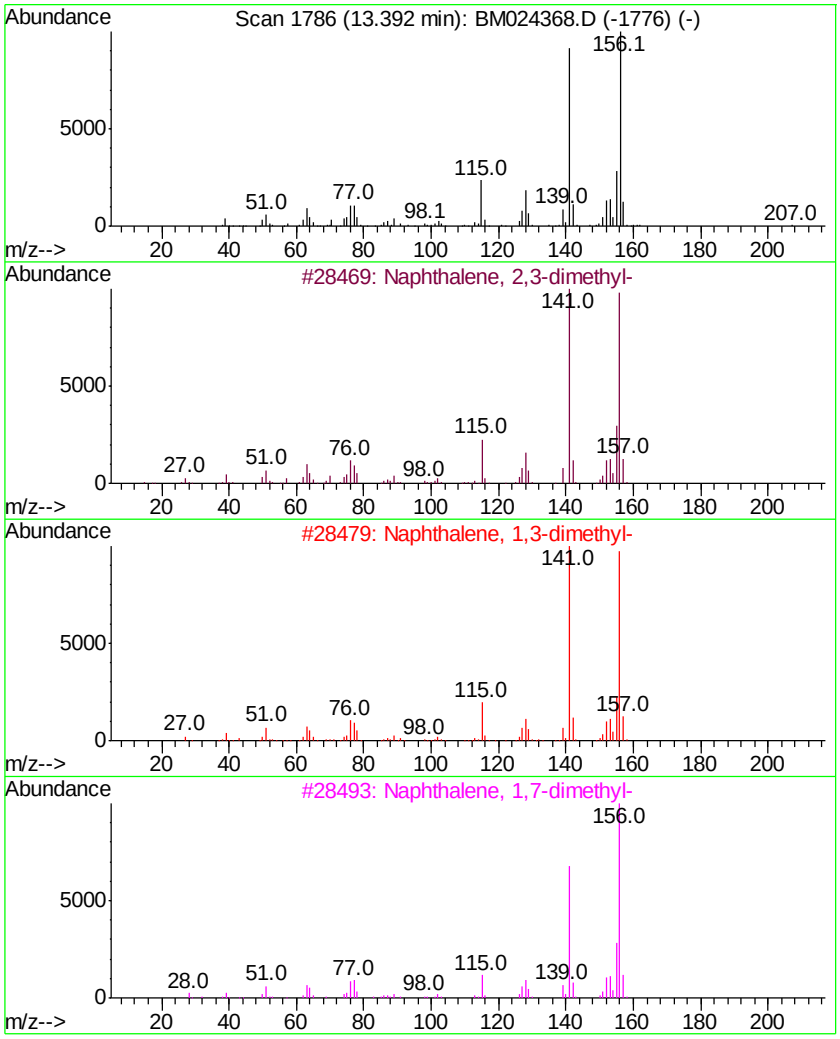
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

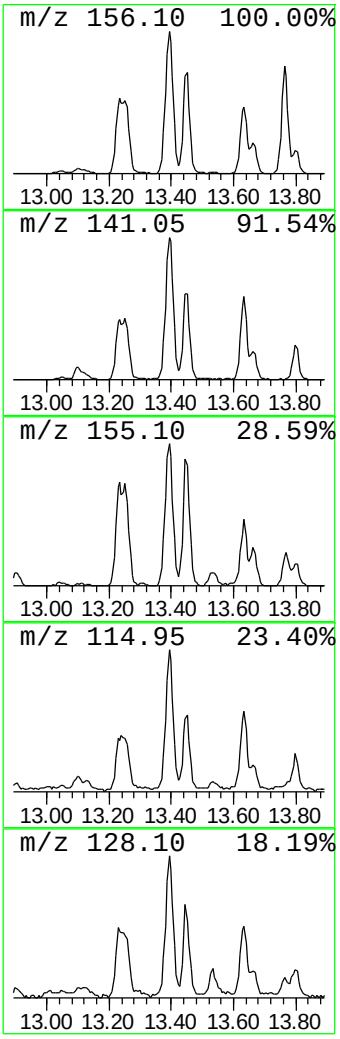
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	6.97 ng/ul	841098	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM123019\
Data File : BM024368.D
Acq On : 30 Dec 2019 12:10
Operator : JU
Sample : K6322-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30

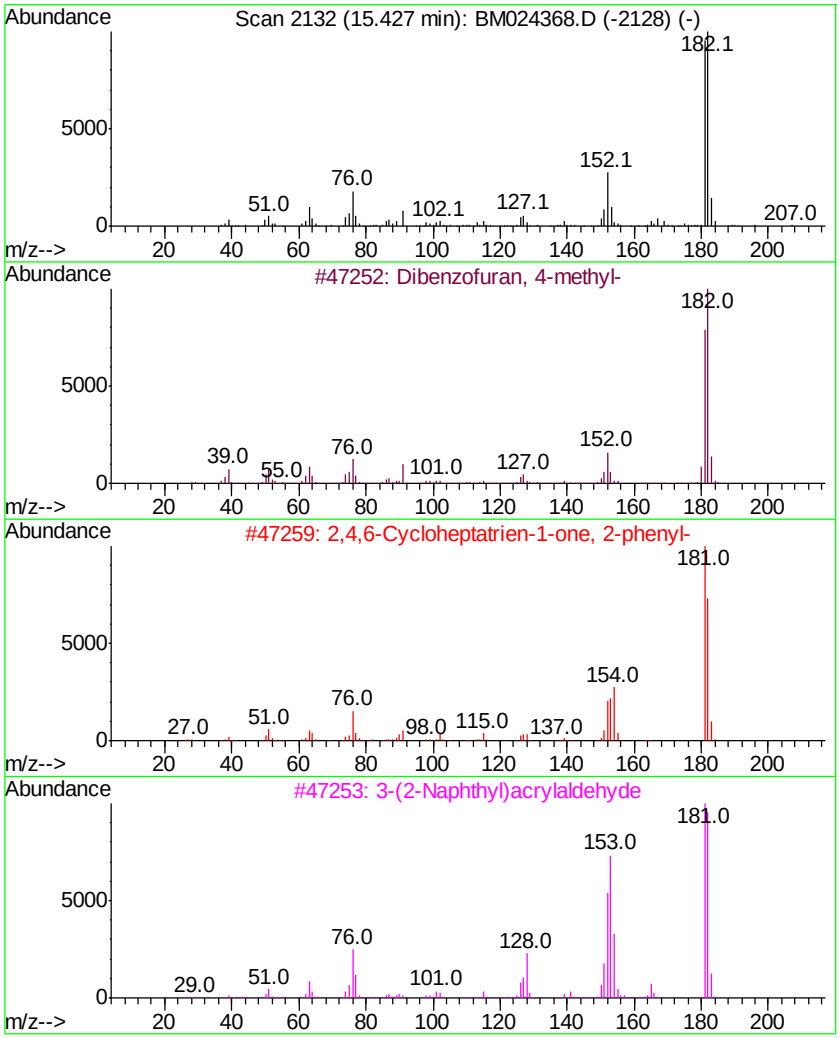
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

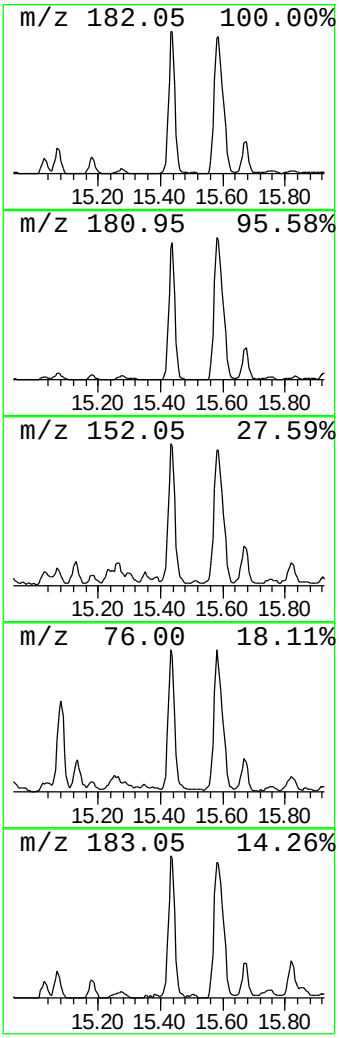
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	10.54 ng/ul	1272480	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	91
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

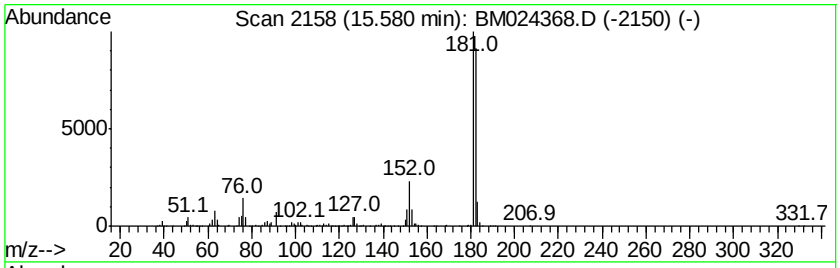
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

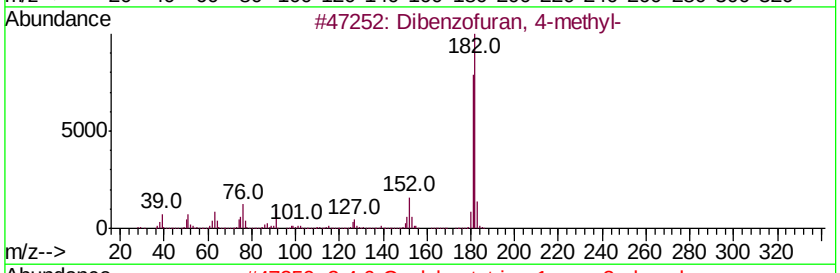
****

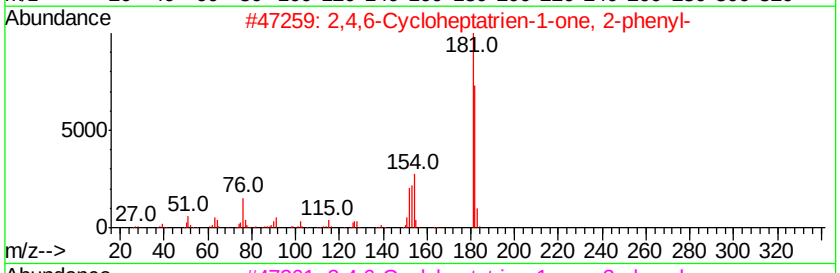
Peak Number 3 2,4,6-Cycloheptatrien-1-one... Concentration Rank 14

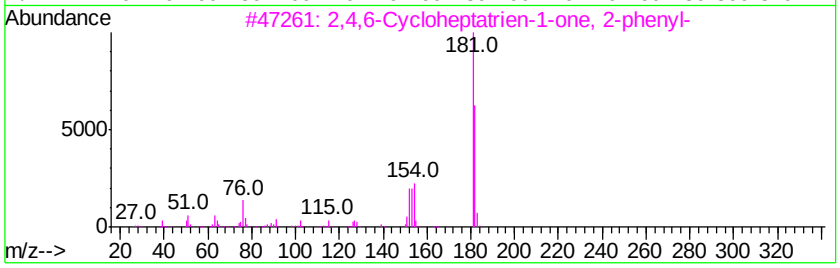
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	14.38 ng/ul	1749980	Phenanthrene-d10	16.84

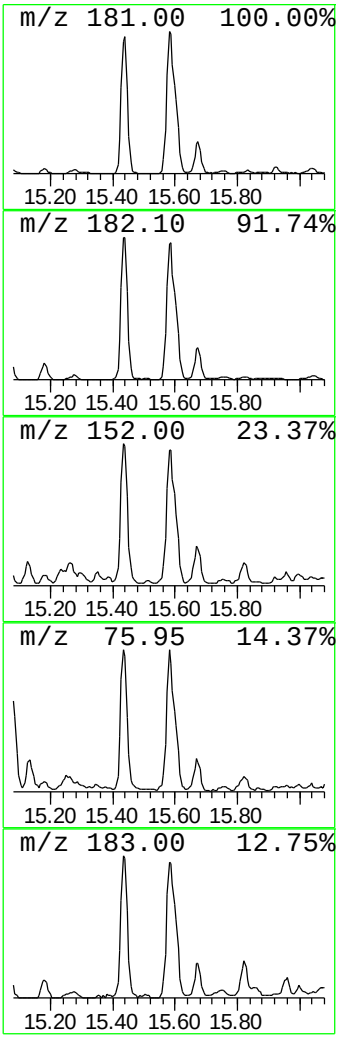
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83











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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

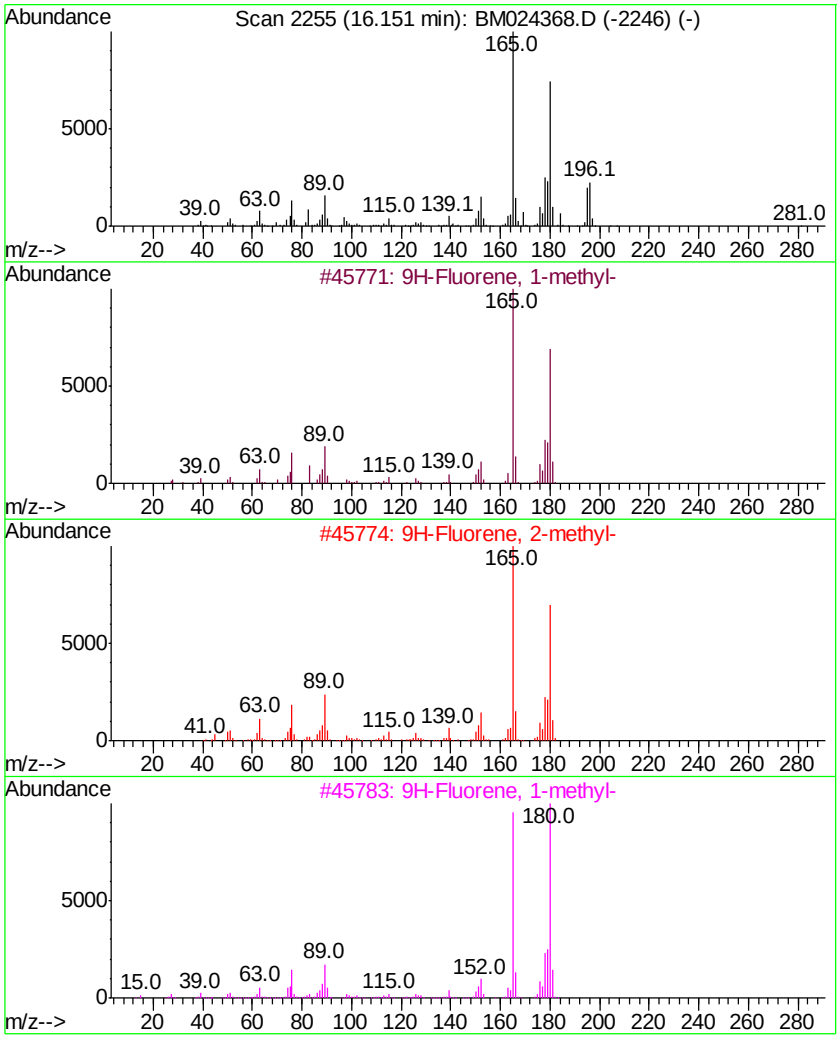
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

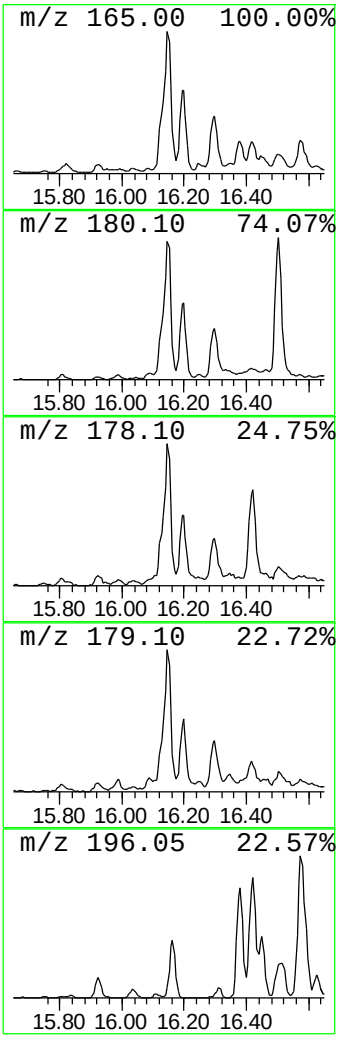
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	12.12 ng/ul	1474960	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	98
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93





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Data File : BM024368.D
Acq On : 30 Dec 2019 12:10
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Sample : K6322-02
Misc :
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Instrument : BNA_M
ClientSampleId : C0C30

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Quant Title : SVOA CALIBRATION

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

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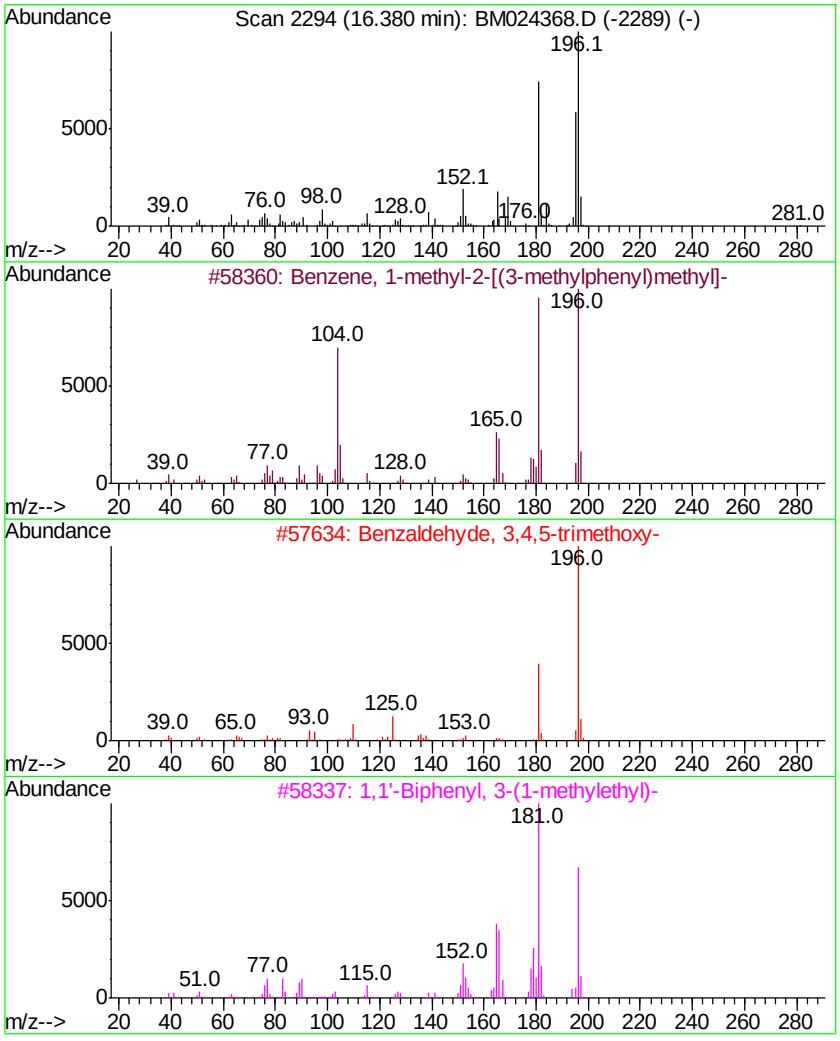
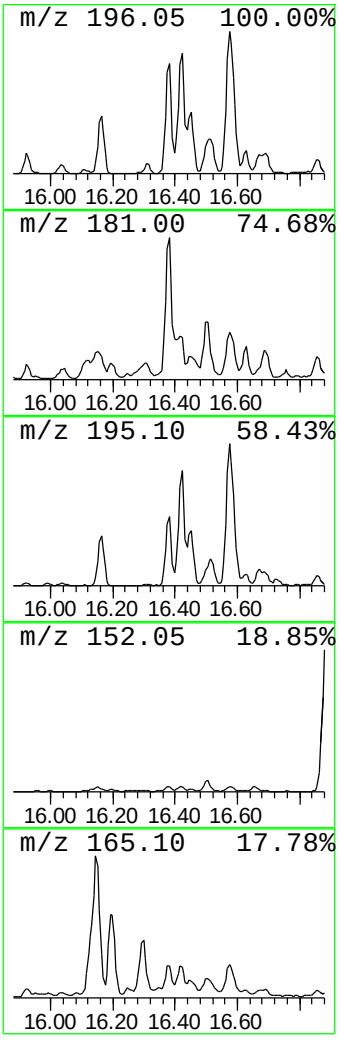
Peak Number 5 Benzene, 1-methyl-2-[(3-met... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	8.60 ng/ul	1046380	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-[(3-methylph...	196	C15H16	021895-13-6	58
2	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	53
3	1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	53
4	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	50
5	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	43





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Acq On : 30 Dec 2019 12:10
Operator : JU
Sample : K6322-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

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

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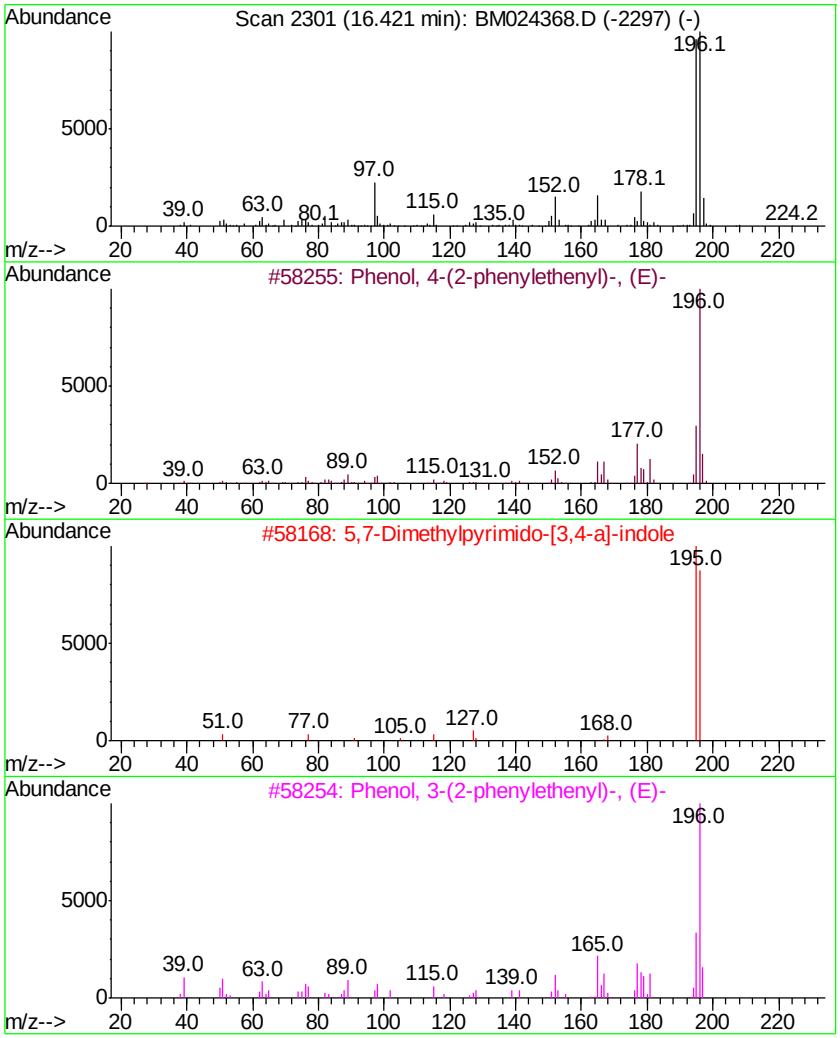
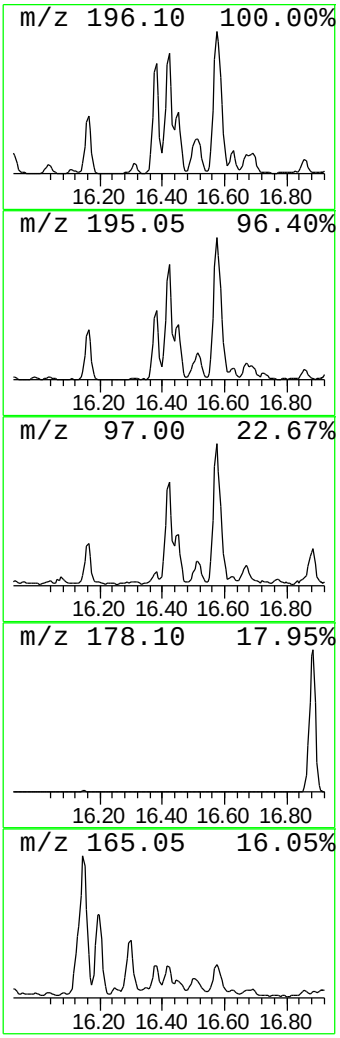
Peak Number 6 Phenol, 4-(2-phenylethenyl)... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	8.73 ng/ul	1062750	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	53
2	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
4	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	43
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	43





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30

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Quant Title : SVOA CALIBRATION

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

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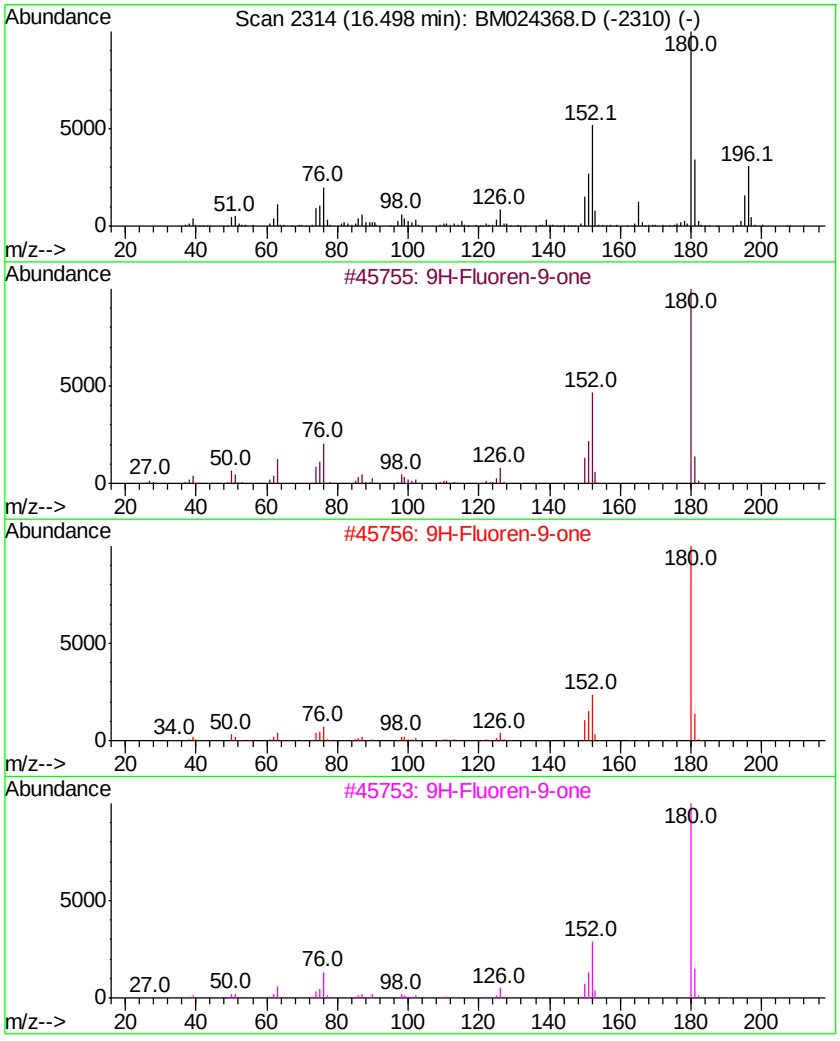
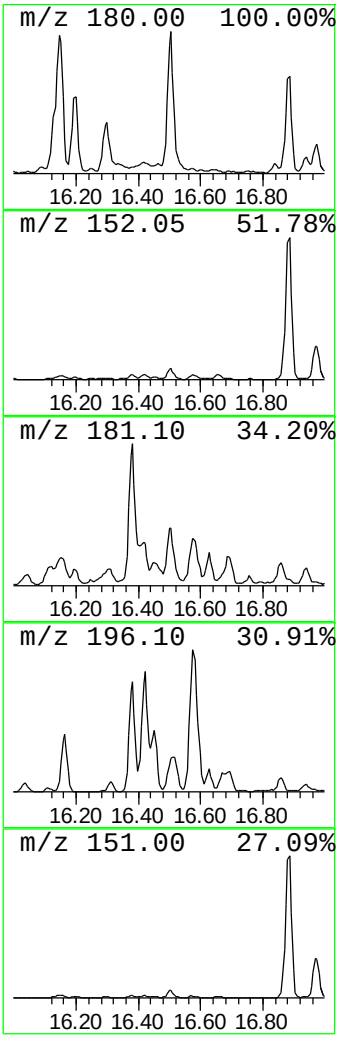
Peak Number 7 9H-Fluoren-9-one Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	7.90 ng/ul	961395	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	76
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	68





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Instrument : BNA_M
ClientSampleId : C0C30

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Quant Title : SVOA CALIBRATION

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

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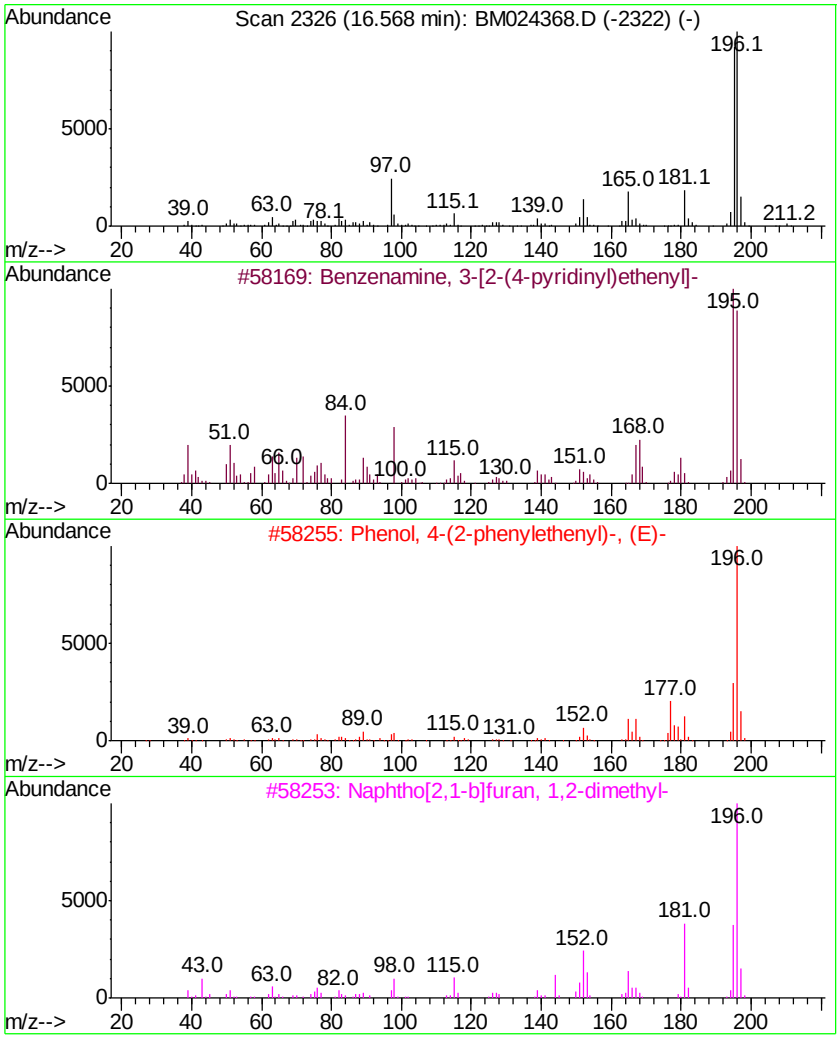
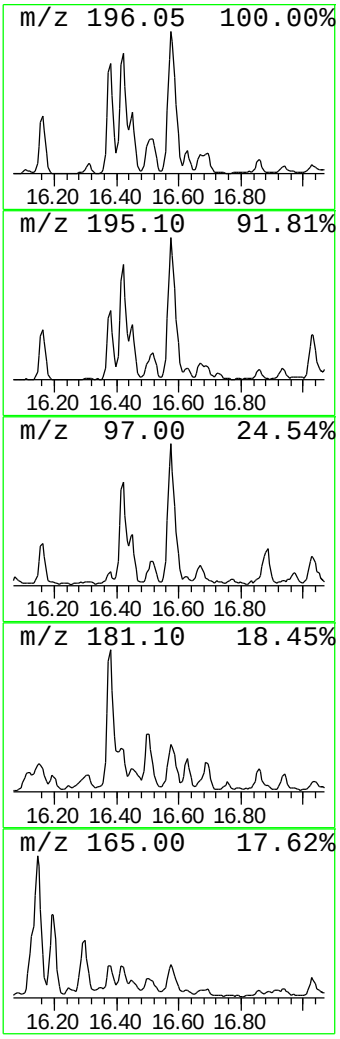
Peak Number 8 Benzenamine, 3-[2-(4-pyridi... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	11.09 ng/ul	1348900	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	59
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	53
4	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	47





Library Search Compound Report

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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30

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Quant Title : SVOA CALIBRATION

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

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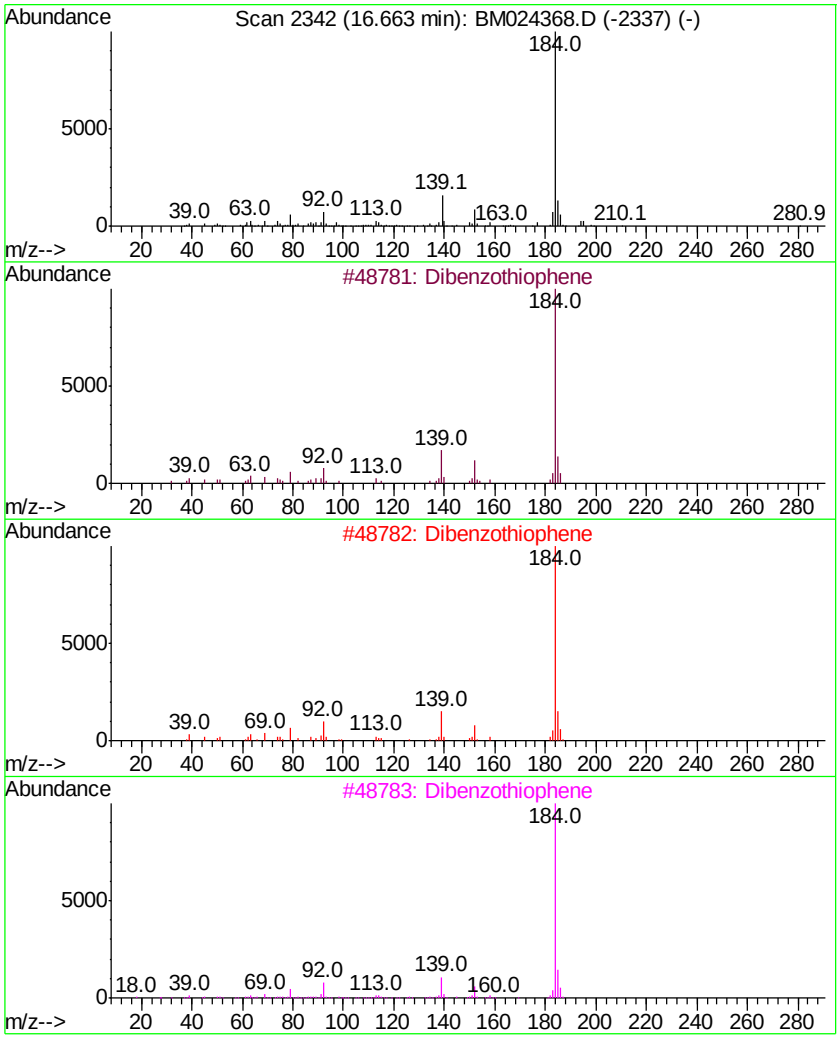
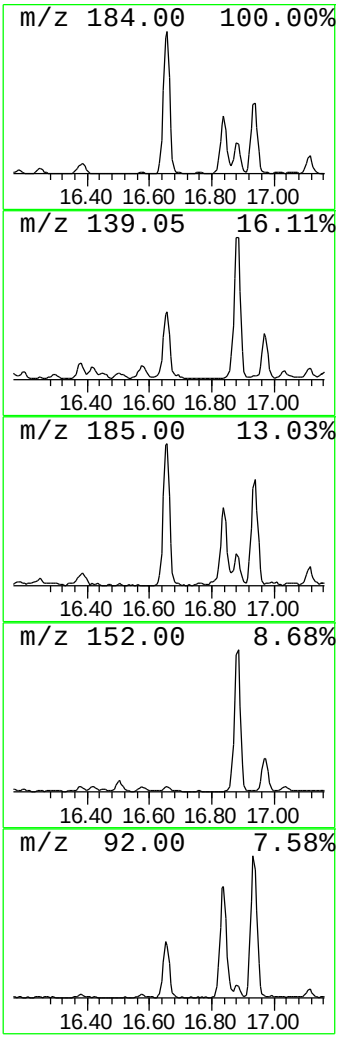
Peak Number 9 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	9.93 ng/ul	1207730	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93





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Misc :
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Instrument : BNA_M
ClientSampleId : C0C30

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Quant Title : SVOA CALIBRATION

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

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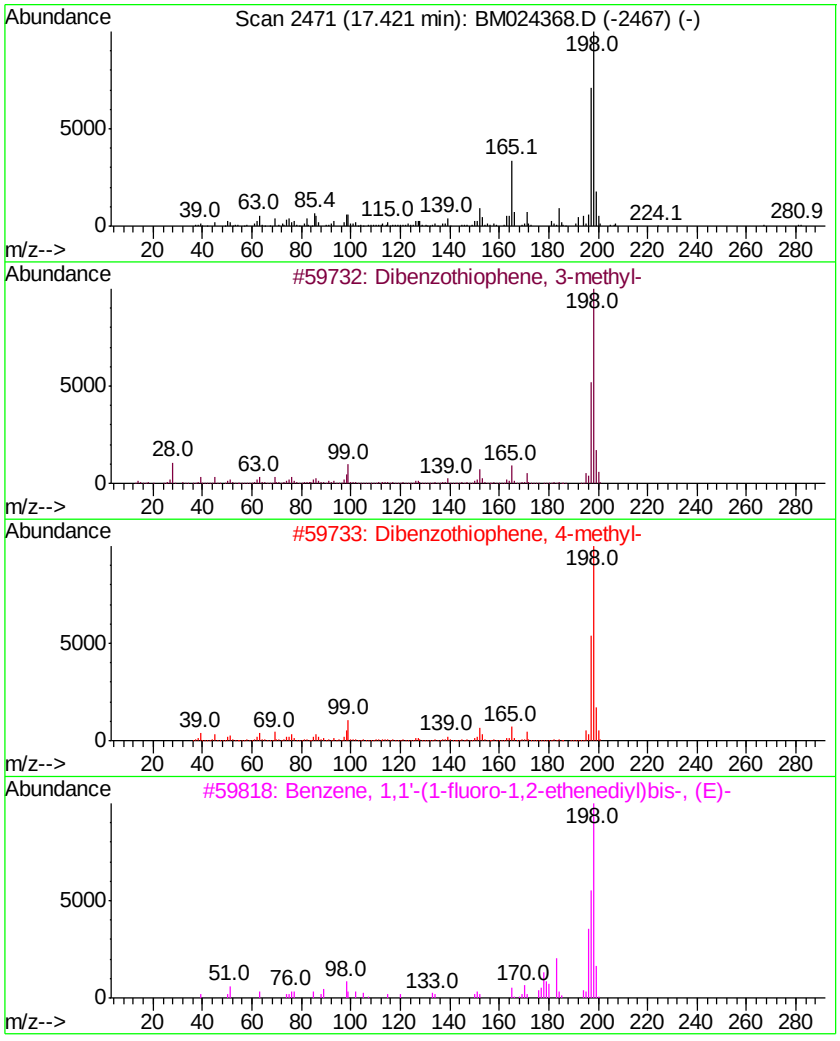
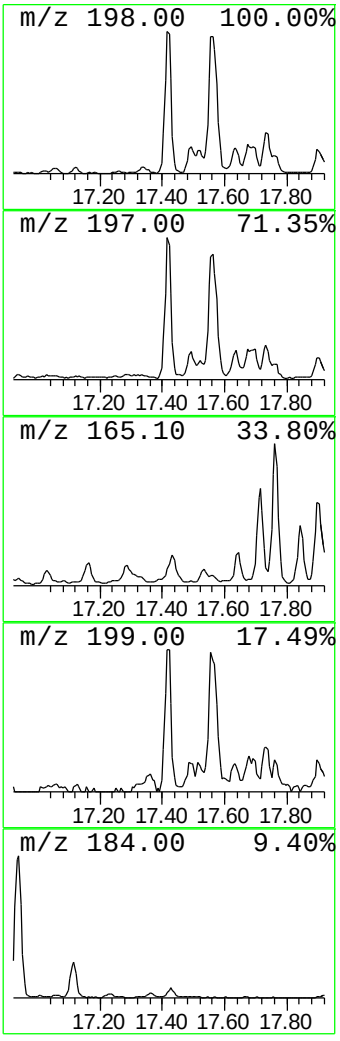
Peak Number 10 Dibenzothiophene, 3-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	6.91 ng/ul	841123	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
3	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	59
4	Tacrine	198	C13H14N2	000321-64-2	58
5	Thioxanthene	198	C13H10S	000261-31-4	53





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30

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Quant Title : SVOA CALIBRATION

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

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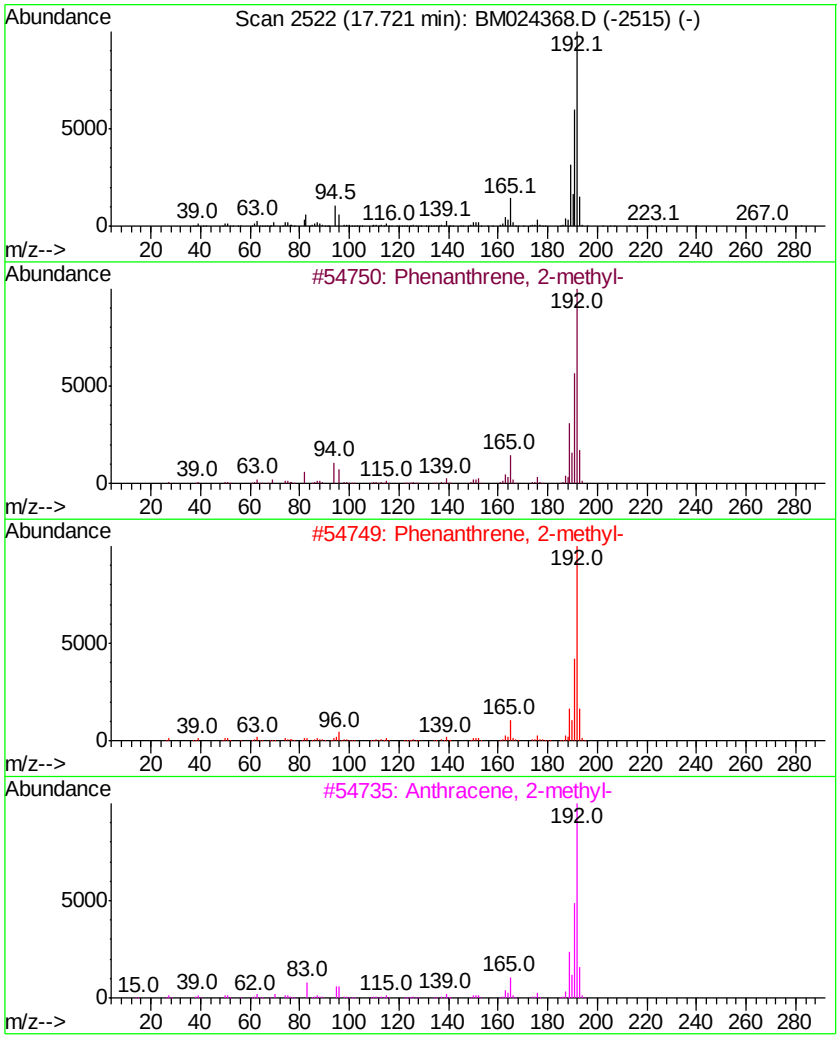
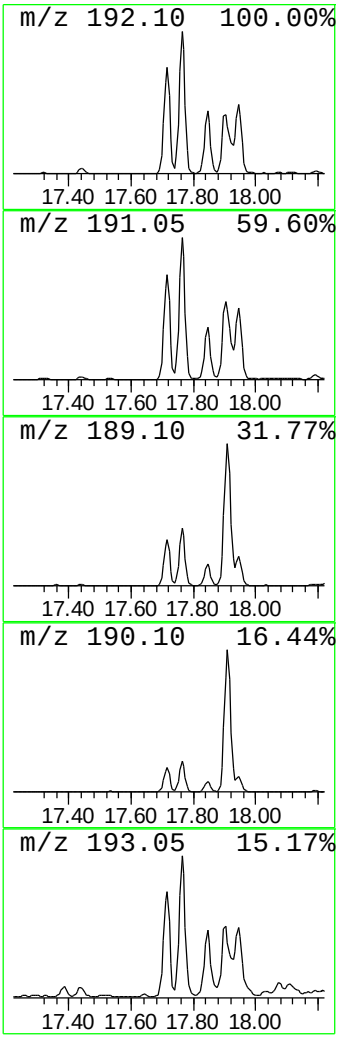
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	33.16 ng/ul	4034330	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Operator : JU
Sample : K6322-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30

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Quant Title : SVOA CALIBRATION

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

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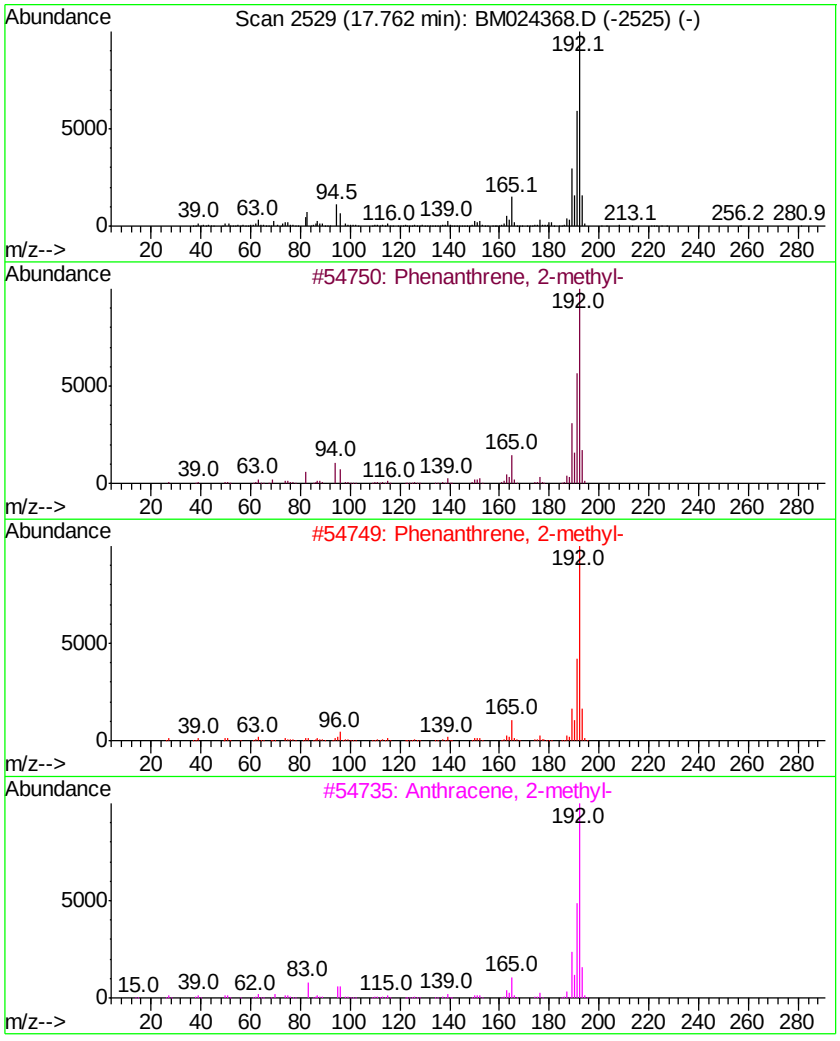
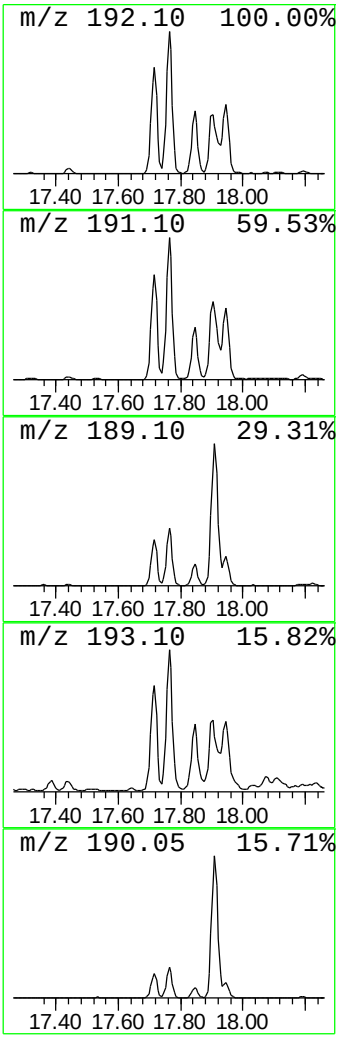
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	47.70 ng/ul	5803520	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30

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Quant Title : SVOA CALIBRATION

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

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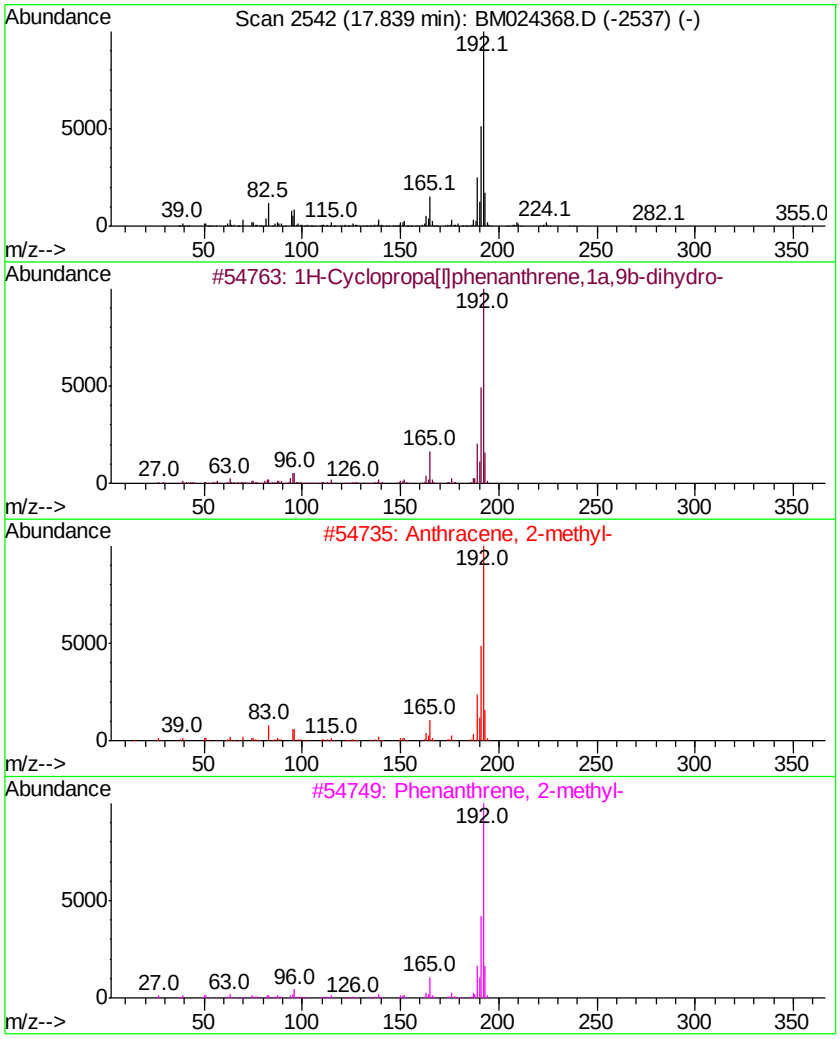
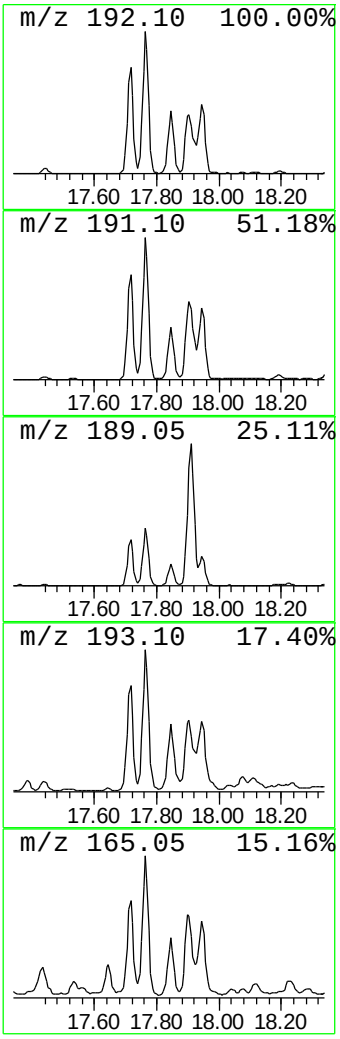
Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	20.27 ng/ul	2465810	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	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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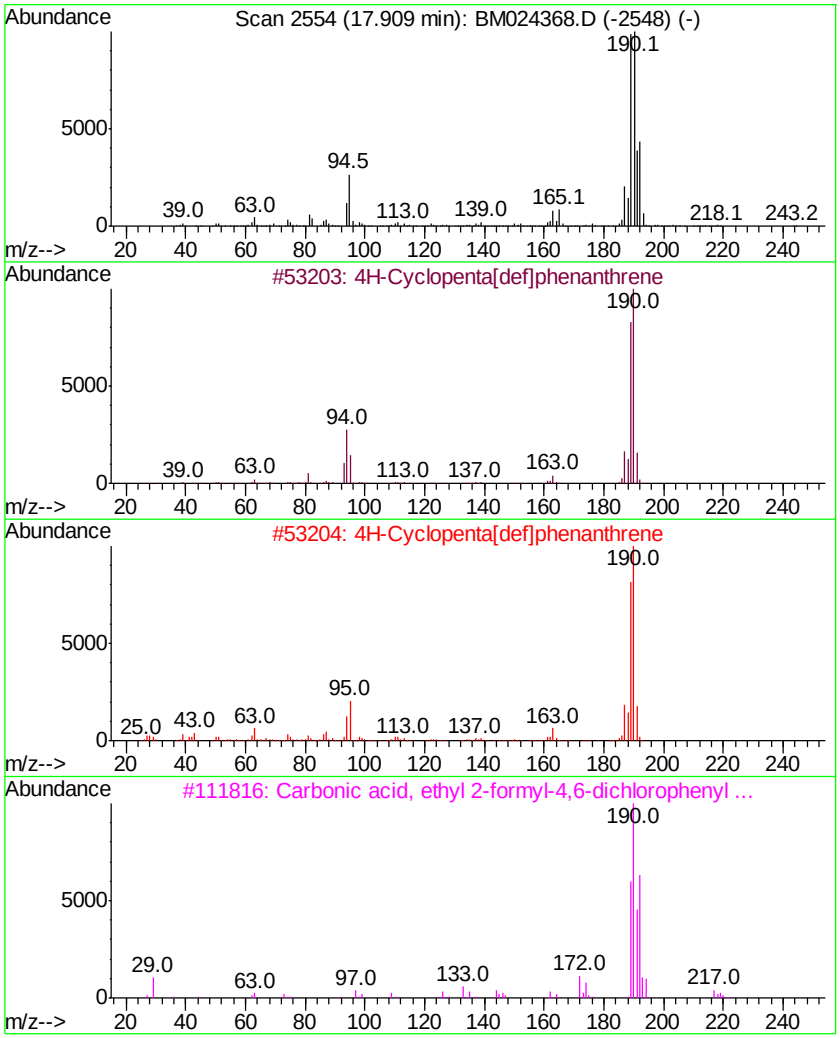
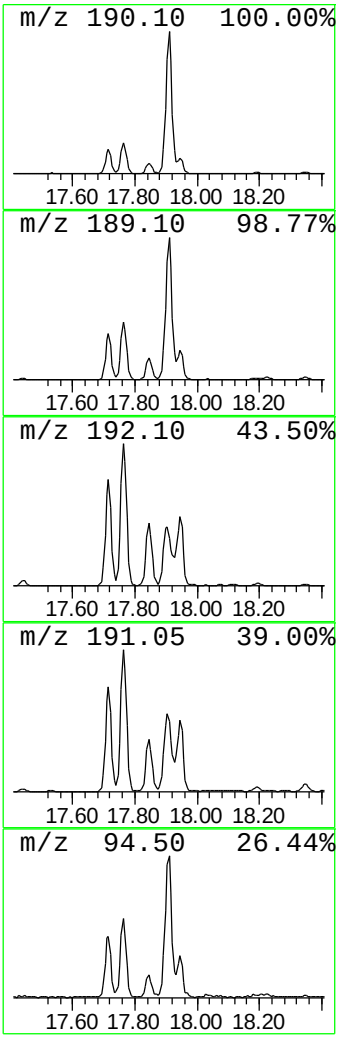
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	57.98 ng/ul	7054160	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	47
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
5	Methyl diselenide	190	C2H6Se2	007101-31-7	38





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Quant Title : SVOA CALIBRATION

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

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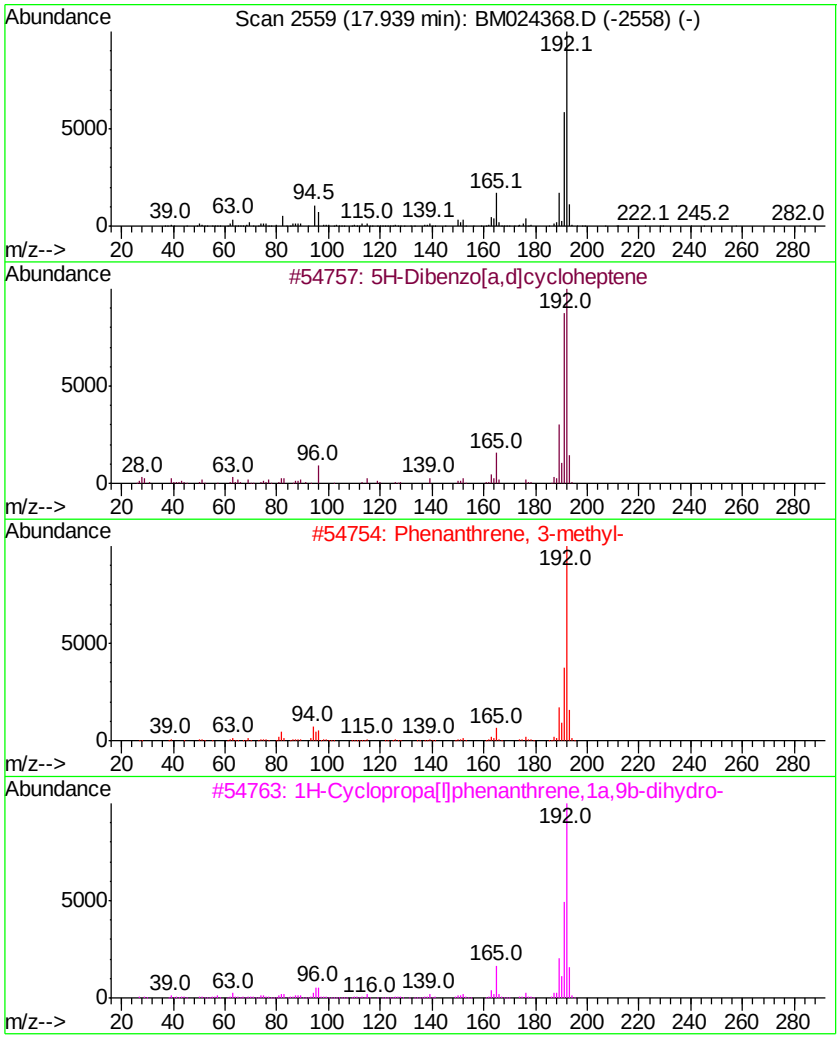
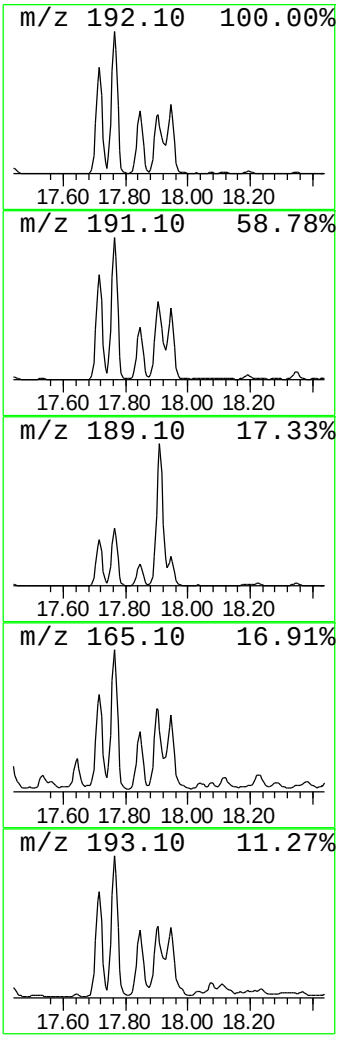
Peak Number 15 5H-Dibenzo[a,d]cycloheptene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	19.95 ng/ul	2427910	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	89
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86





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Quant Title : SVOA CALIBRATION

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

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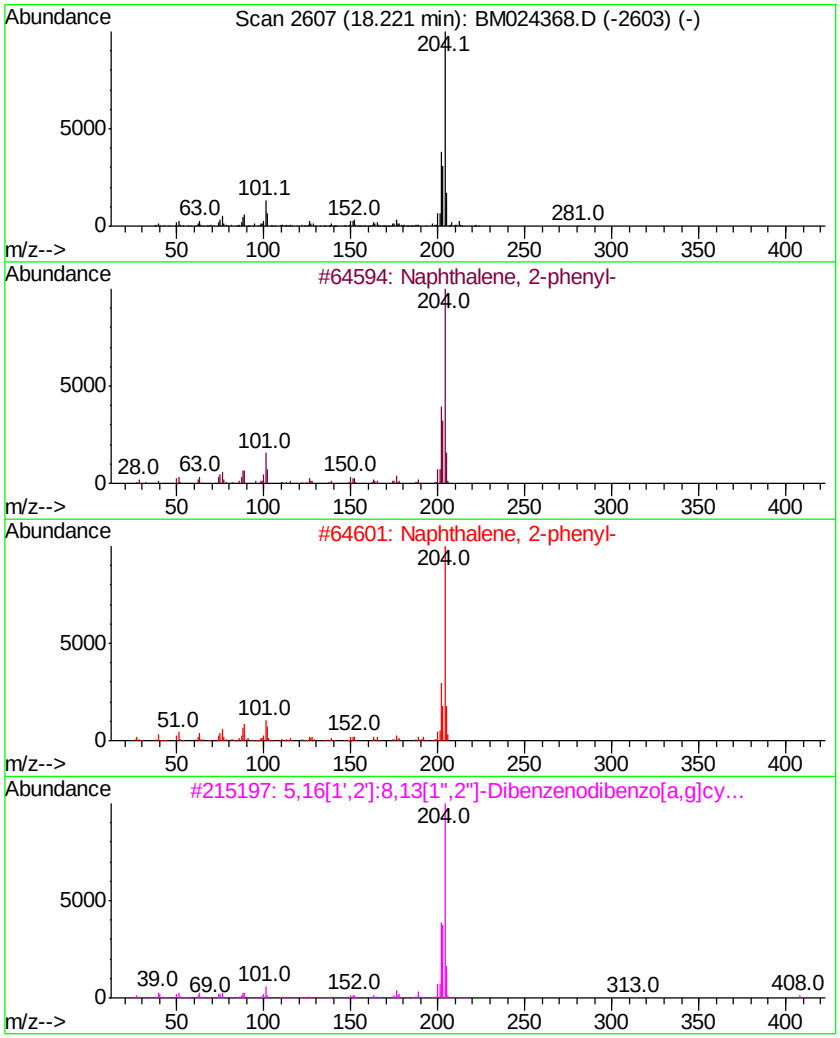
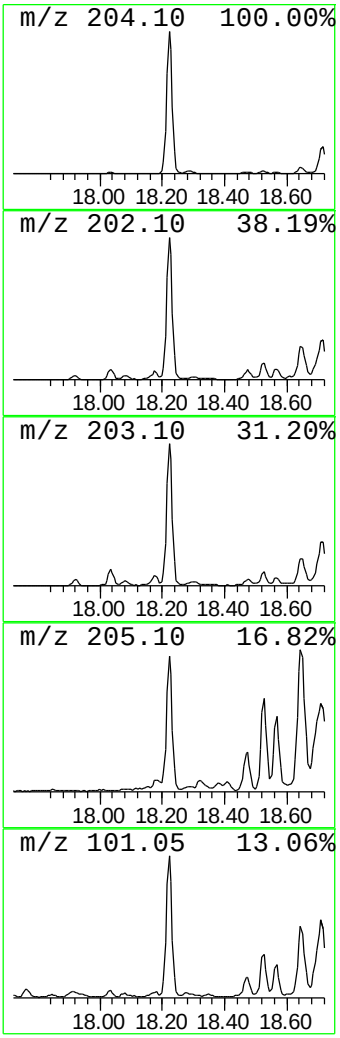
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	21.32 ng/ul	2594270	Phenanthrene-d10	16.84

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	93
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





Library Search Compound Report

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Acq On : 30 Dec 2019 12:10
Operator : JU
Sample : K6322-02
Misc :
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Instrument : BNA_M
ClientSampleId : C0C30

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Quant Title : SVOA CALIBRATION

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

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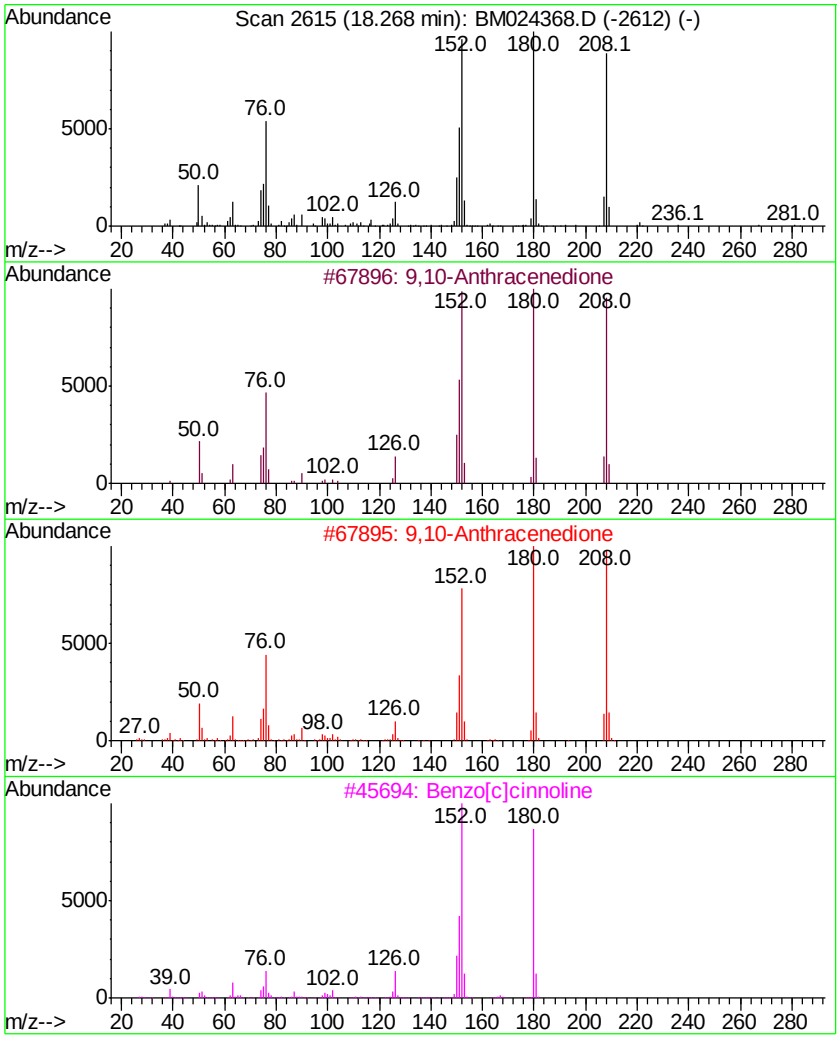
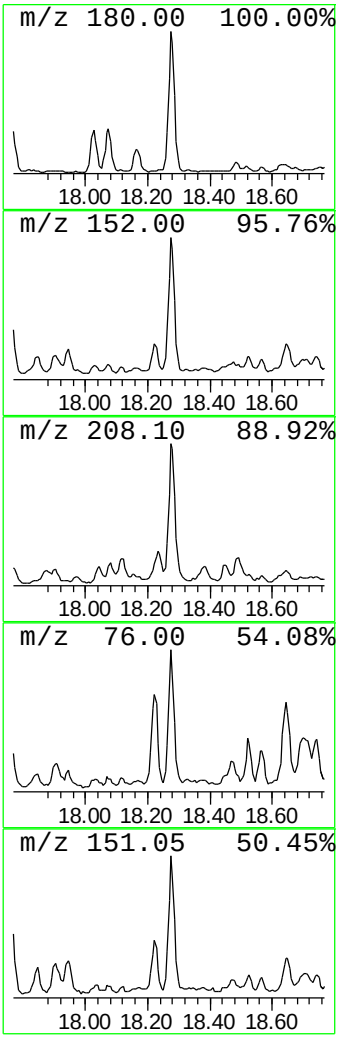
Peak Number 17 9,10-Anthracenedione Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	7.30 ng/ul	888275	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Instrument : BNA_M
ClientSampleId : C0C30

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Quant Title : SVOA CALIBRATION

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

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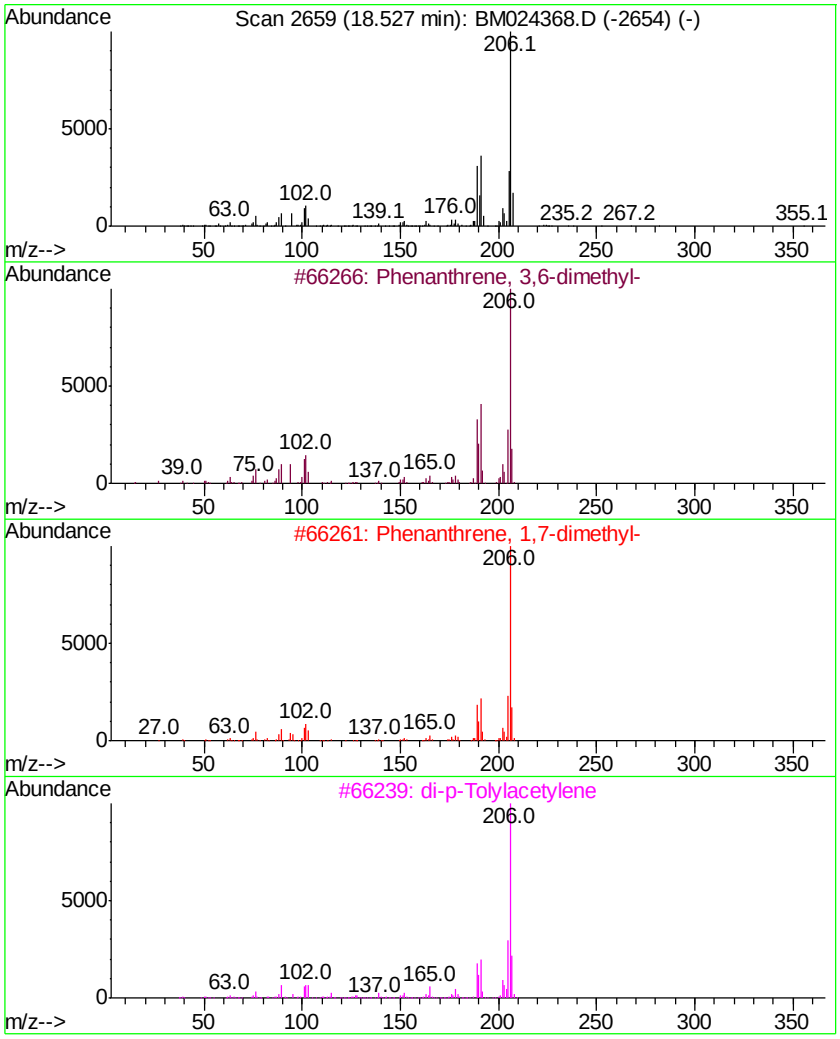
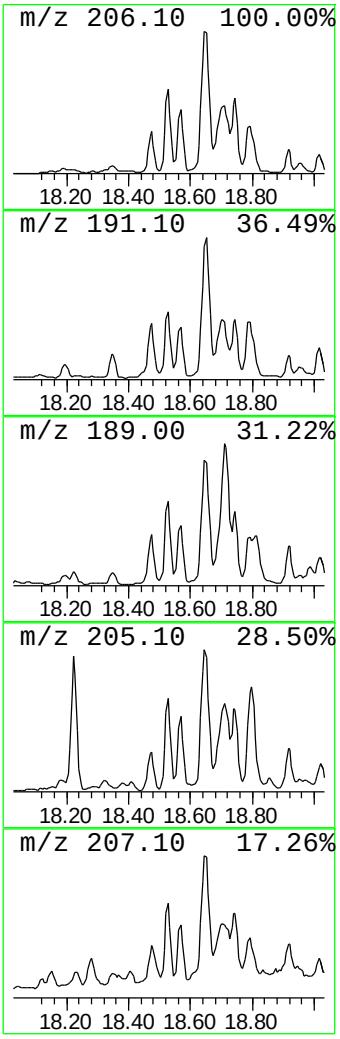
Peak Number 19 Phenanthrene, 3,6-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	9.41 ng/ul	1144870	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93





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Instrument : BNA_M
ClientSampleId : C0C30

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Quant Title : SVOA CALIBRATION

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

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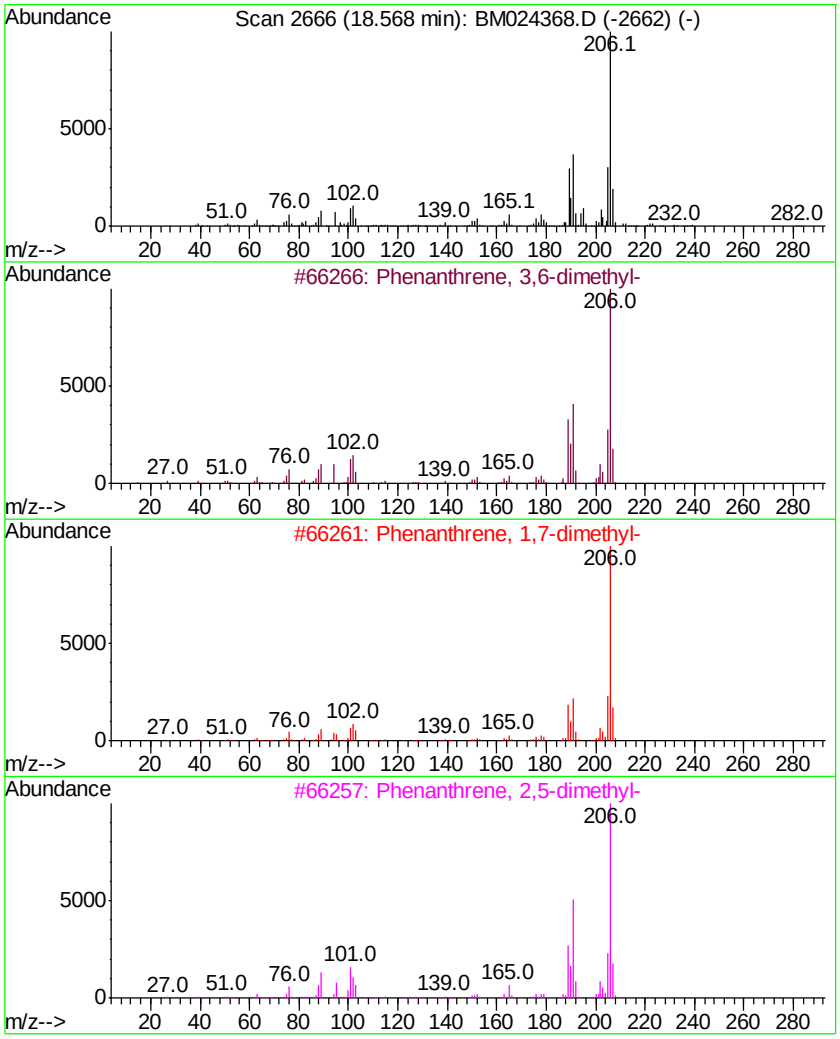
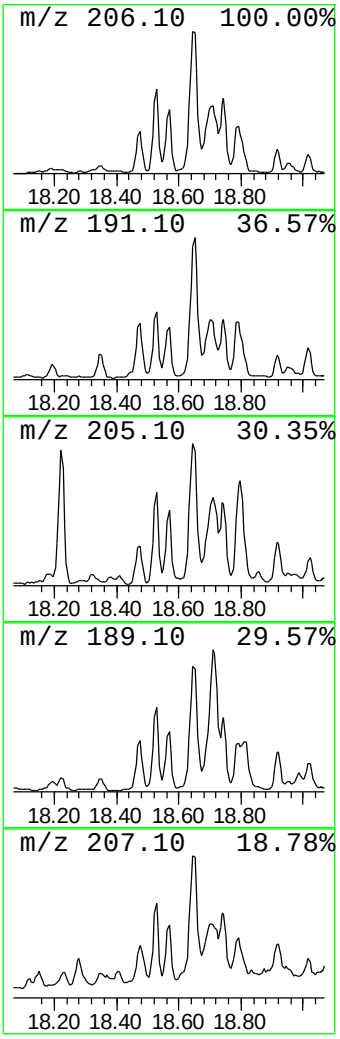
Peak Number 20 Phenanthrene, 1,7-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	8.34 ng/ul	1014370	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30

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Quant Title : SVOA CALIBRATION

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

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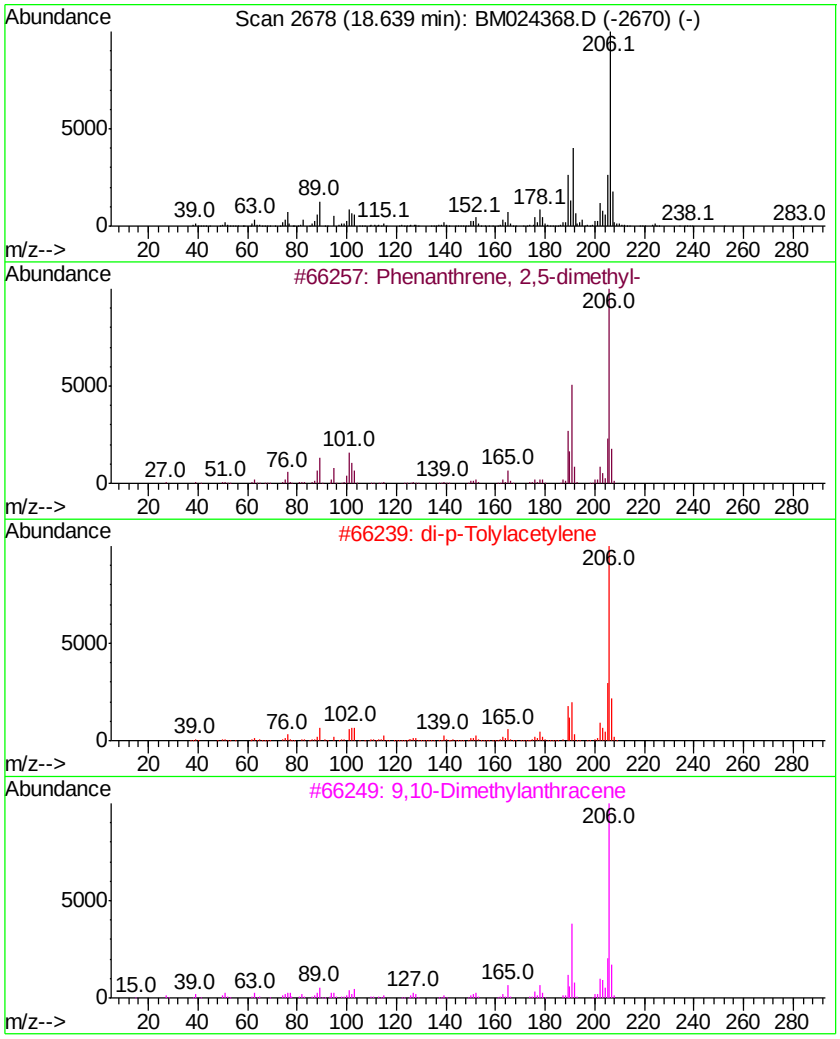
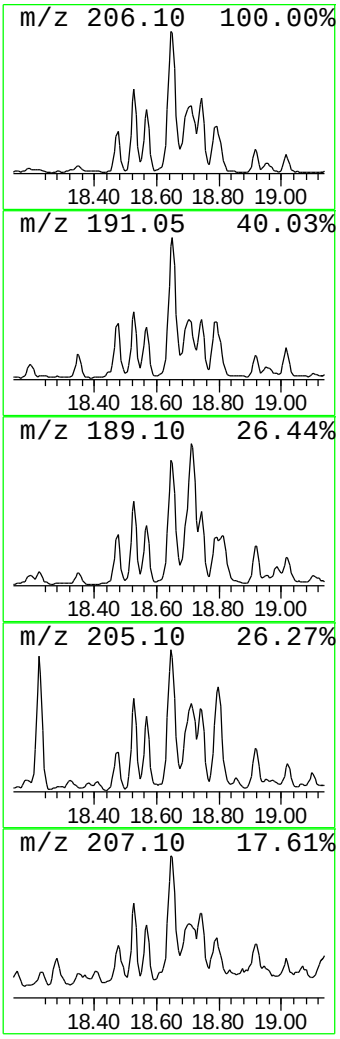
Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	27.24 ng/ul	3314310	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





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ALS Vial : 4 Sample Multiplier: 1

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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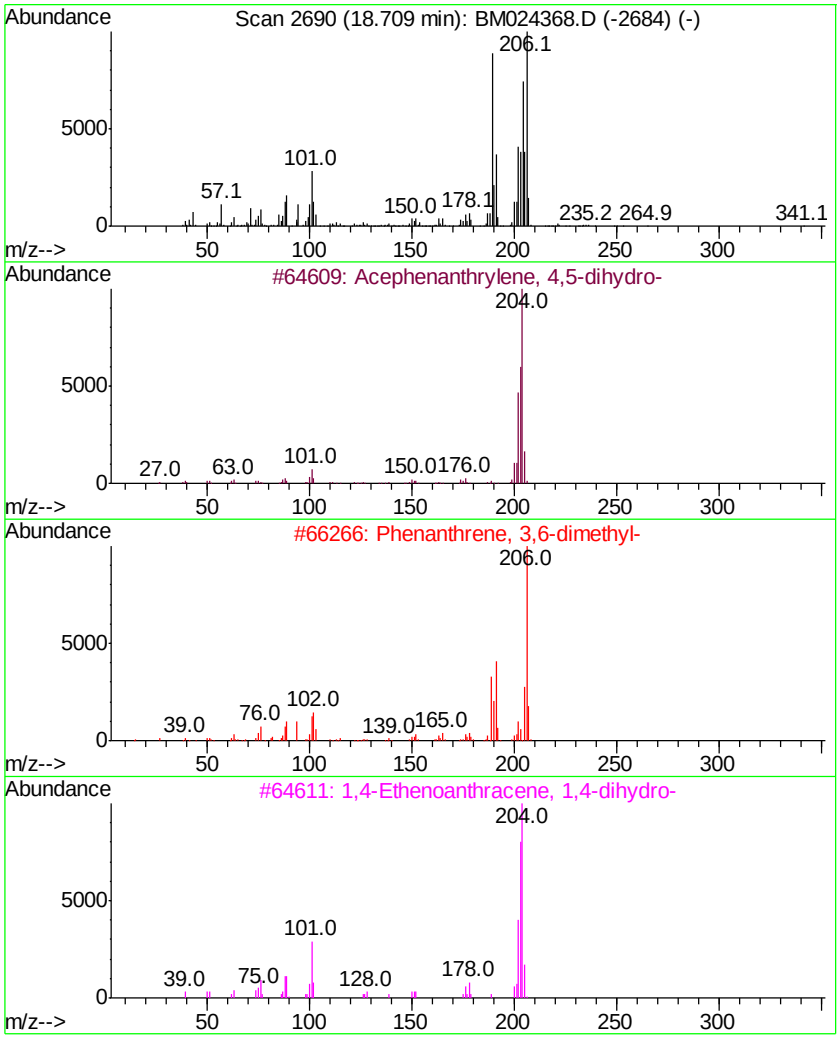
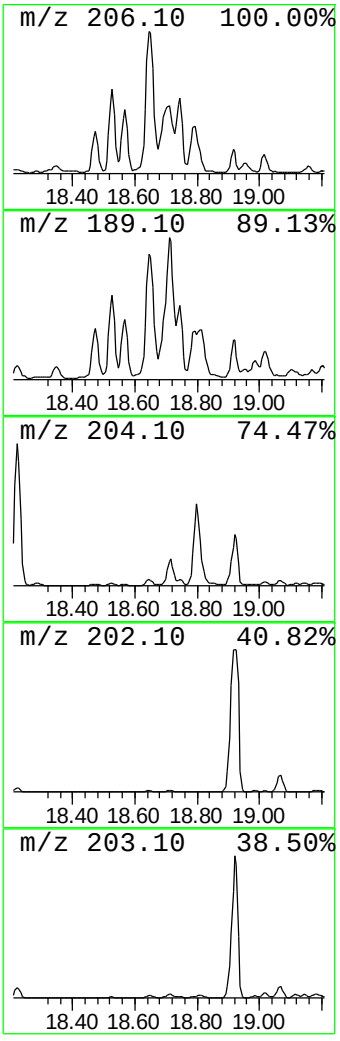
Peak Number 22 Acephenanthrylene, 4,5-dihy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	20.75 ng/ul	2524610	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	78
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	44
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35





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Instrument : BNA_M
ClientSampleId : C0C30

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Quant Title : SVOA CALIBRATION

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

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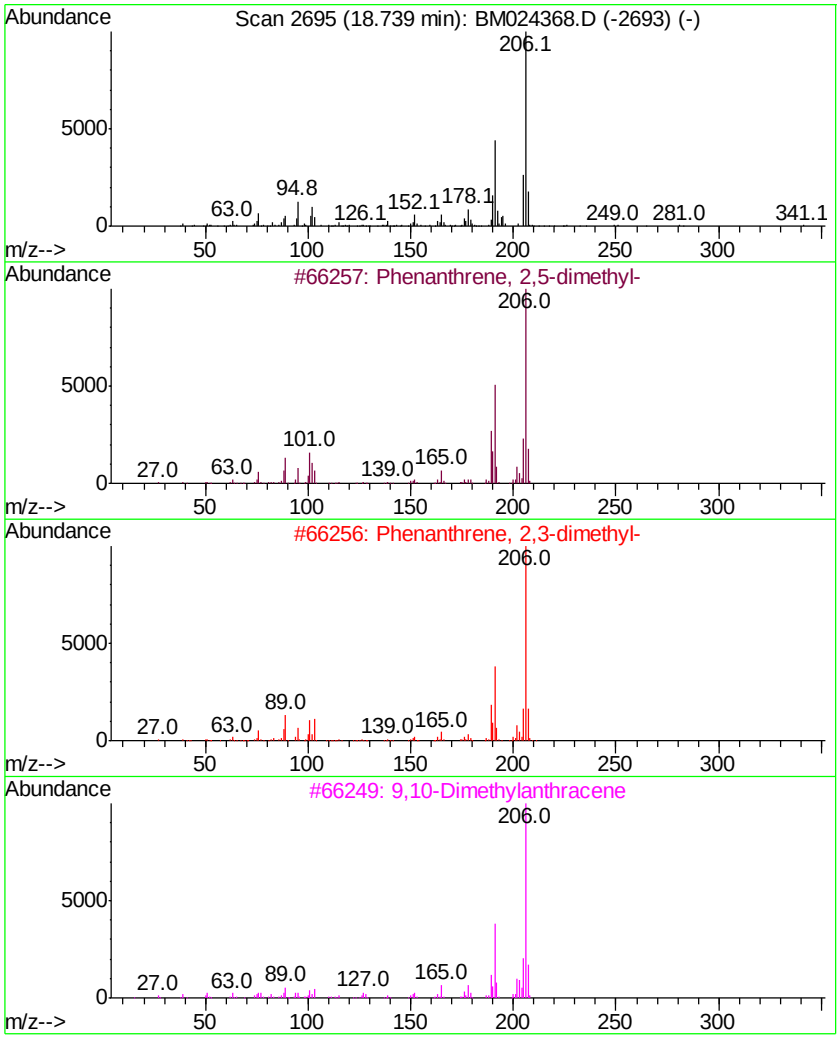
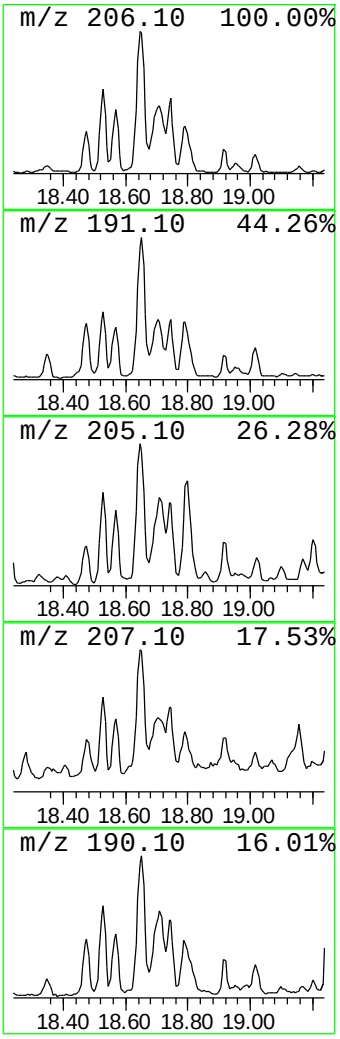
Peak Number 23 Phenanthrene, 2,3-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	8.19 ng/ul	996016	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	80
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	80
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	72





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Instrument : BNA_M
ClientSampleId : C0C30

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Quant Title : SVOA CALIBRATION

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

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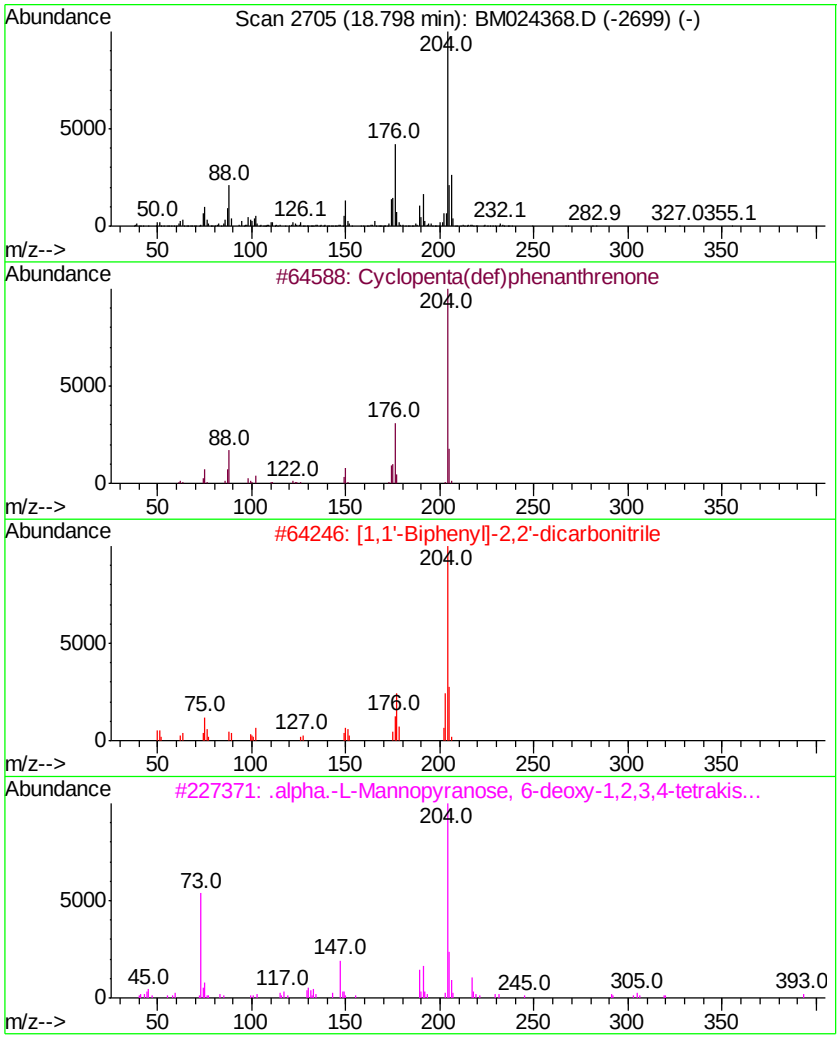
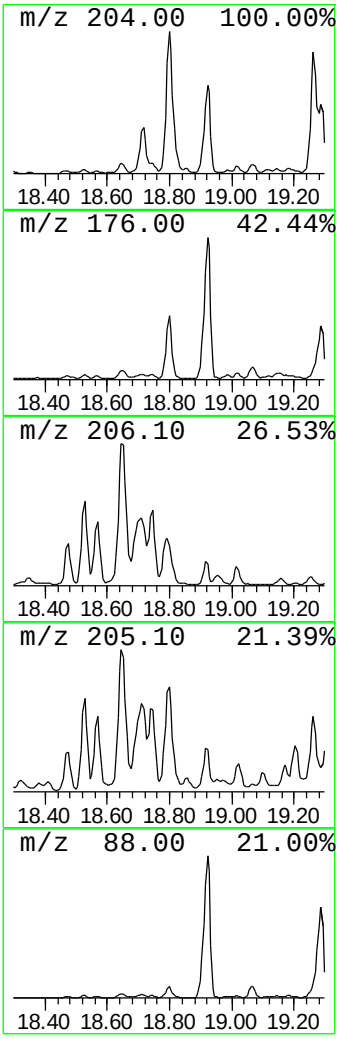
Peak Number 24 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	22.62 ng/ul	2752240	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
3	.alpha.-L-Mannopyranose, 6-deoxy...	452	C18H44O5Si4	055057-21-1	43
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	40
5	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	38





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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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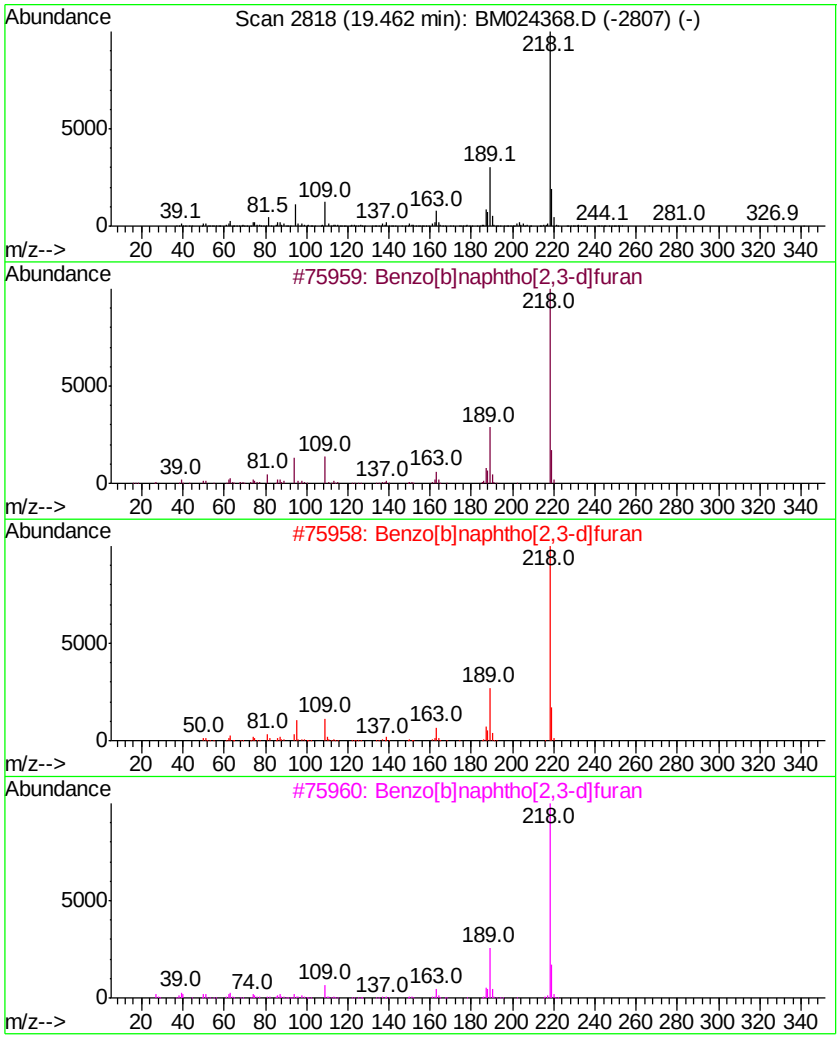
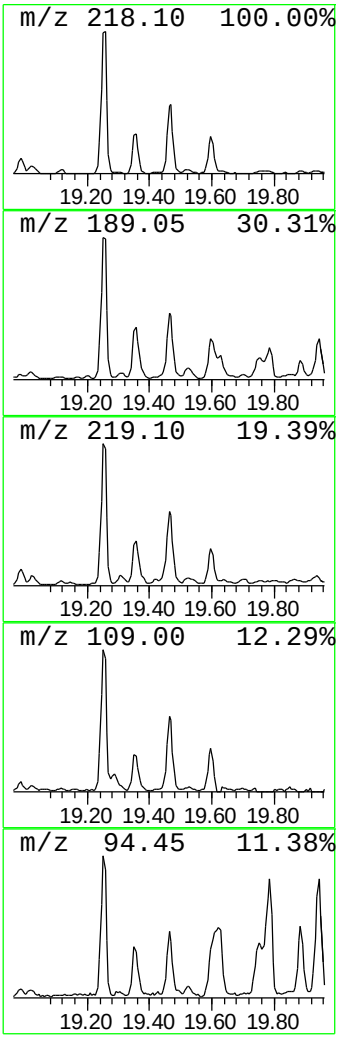
Peak Number 25 Benzo[b]naphtho[2,3-d]furan Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.46	2.20 ng/ul	3796490	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	98
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	97
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	96
4	Benzo[kl]xanthene	218	C16H10O	000200-23-7	96
5	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	96





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Quant Title : SVOA CALIBRATION

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

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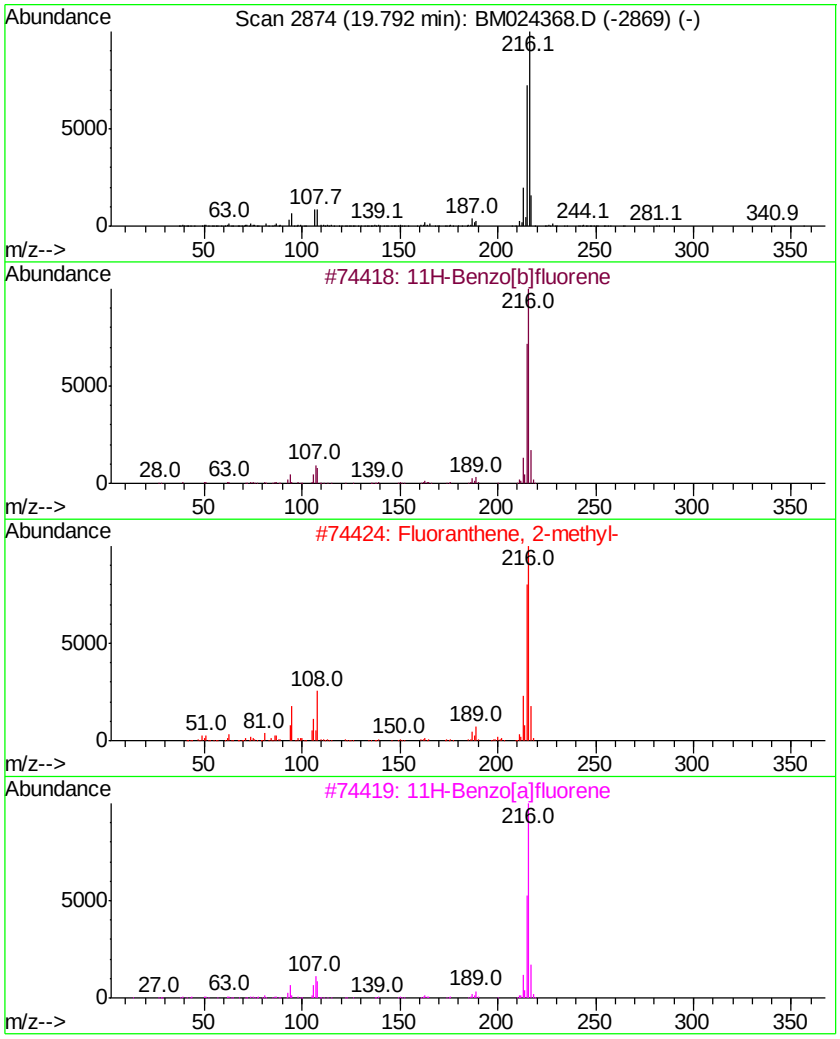
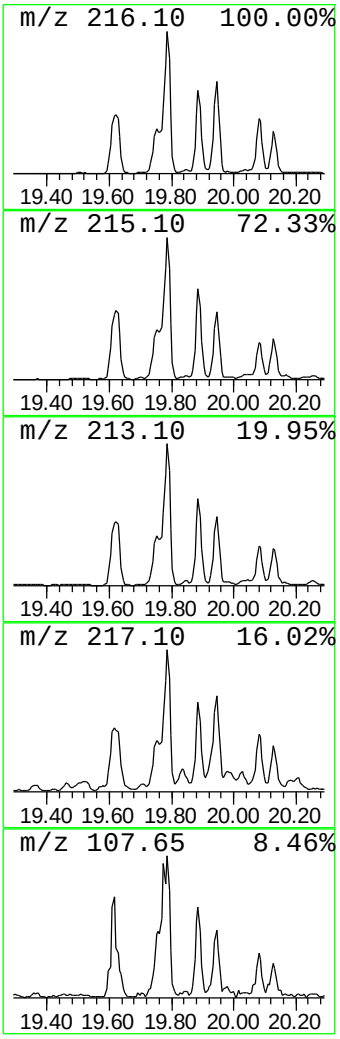
Peak Number 27 11H-Benzo[b]fluorene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	3.72 ng/ul	6430590	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	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 28 Pyrene, 1-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	3.35 ng/ul	5790790	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
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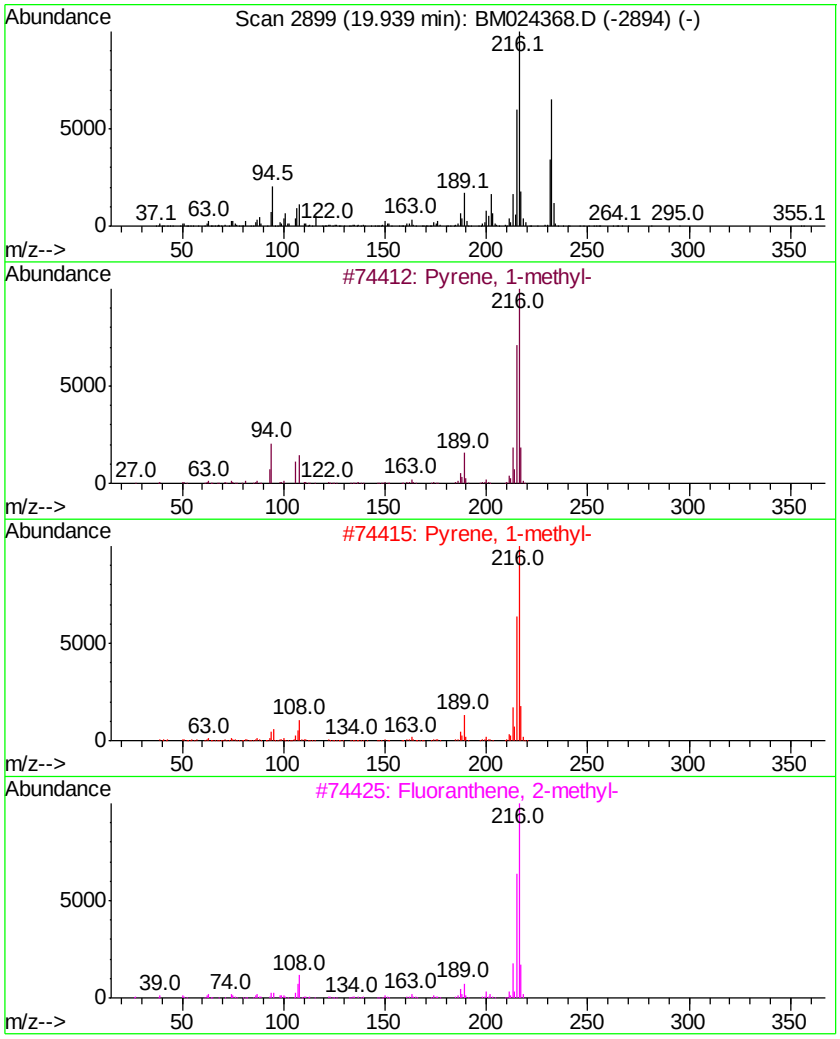
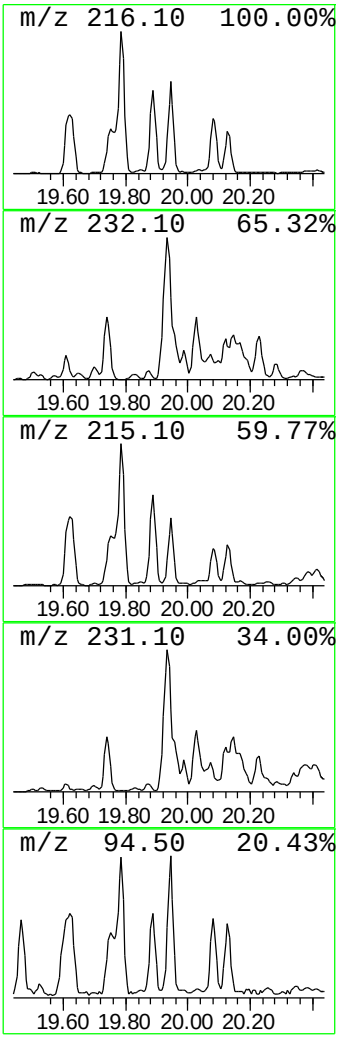
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93





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Quant Title : SVOA CALIBRATION

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

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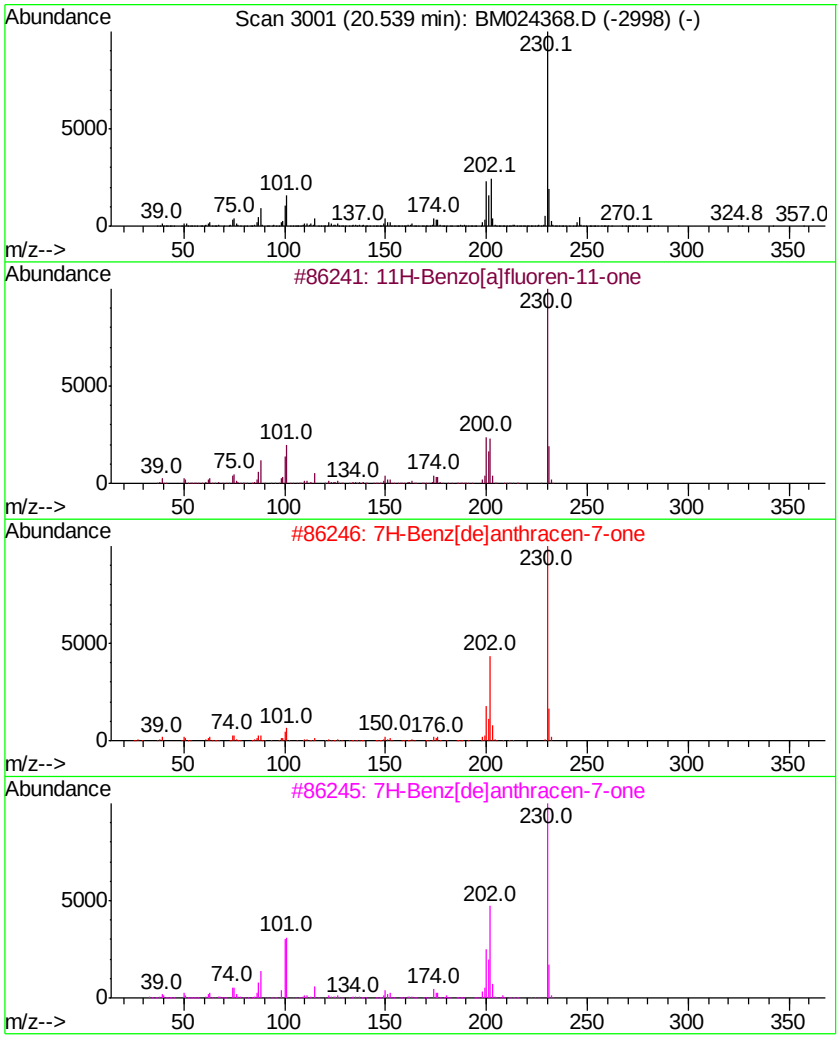
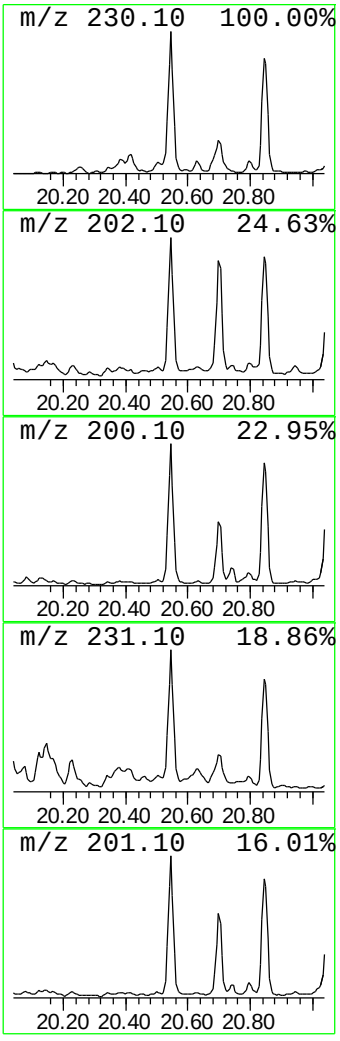
Peak Number 29 11H-Benzo[a]fluoren-11-one Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.54	3.26 ng/ul	5638700	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	98
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	83





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Instrument : BNA_M
ClientSampleId : C0C30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

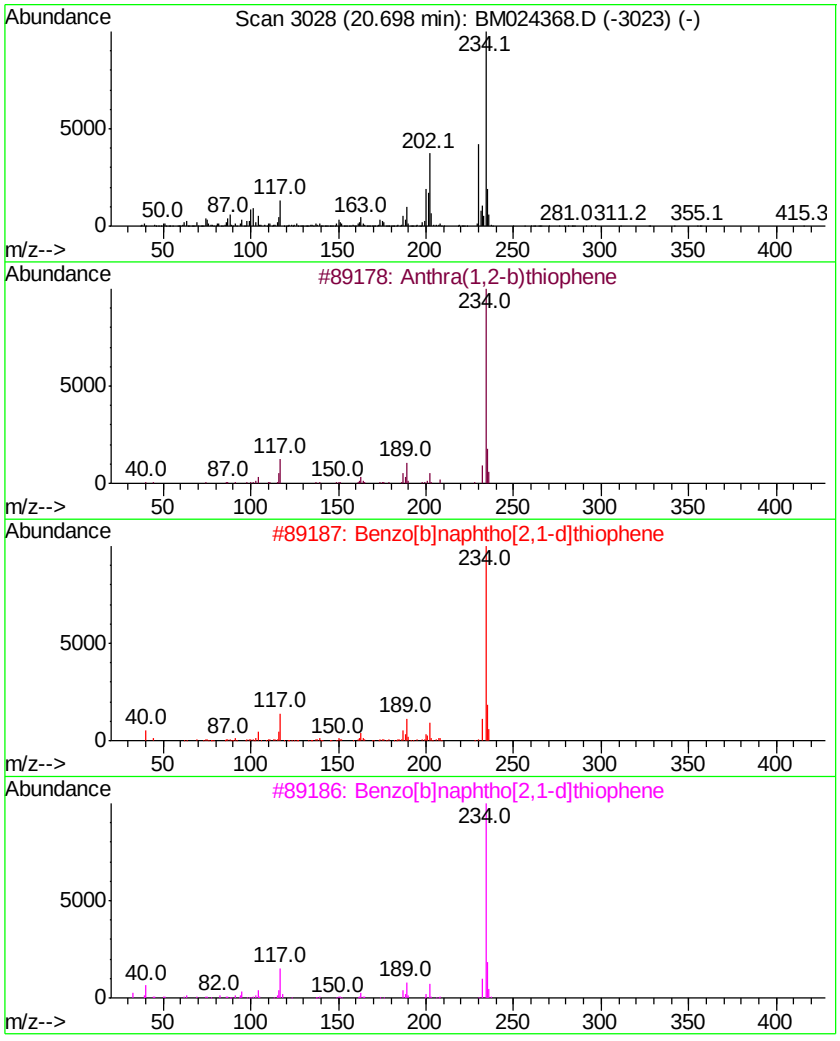
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

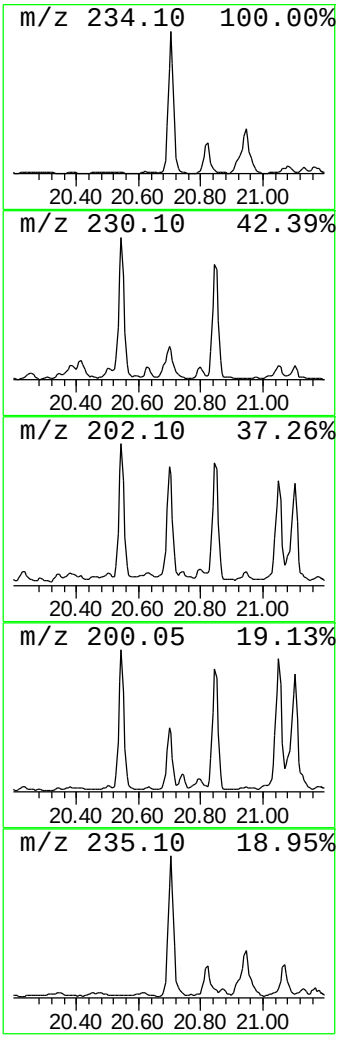
****

Peak Number 30 Anthra(1,2-b)thiophene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.70	3.11 ng/ul	5373110	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	97
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	92
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	70
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM123019\
Data File : BM024368.D
Acq On : 30 Dec 2019 12:10
Operator : JU
Sample : K6322-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0C30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.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, 2,3-...	13.39	7.0	ng/ul	841098	3	14.07	2414710	20.0
Dibenzofuran, 4-m...	15.43	10.5	ng/ul	1272480	3	14.07	2414710	20.0
2,4,6-Cycloheptat...	15.58	14.4	ng/ul	1749980	4	16.84	2433510	20.0
9H-Fluorene, 1-me...	16.15	12.1	ng/ul	1474960	4	16.84	2433510	20.0
Benzene, 1-methyl...	16.38	8.6	ng/ul	1046380	4	16.84	2433510	20.0
Phenol, 4-(2-phen...	16.42	8.7	ng/ul	1062750	4	16.84	2433510	20.0
9H-Fluoren-9-one	16.50	7.9	ng/ul	961395	4	16.84	2433510	20.0
Benzenamine, 3-[2...	16.57	11.1	ng/ul	1348900	4	16.84	2433510	20.0
Dibenzothiophene	16.66	9.9	ng/ul	1207730	4	16.84	2433510	20.0
Dibenzothiophene,...	17.42	6.9	ng/ul	841123	4	16.84	2433510	20.0
Phenanthrene, 2-m...	17.72	33.2	ng/ul	4034330	4	16.84	2433510	20.0
Anthracene, 2-met...	17.76	47.7	ng/ul	5803520	4	16.84	2433510	20.0
1H-Cyclopropa[l]p...	17.84	20.3	ng/ul	2465810	4	16.84	2433510	20.0
4H-Cyclopenta[def...	17.91	58.0	ng/ul	7054160	4	16.84	2433510	20.0
5H-Dibenzo[a,d]cy...	17.94	19.9	ng/ul	2427910	4	16.84	2433510	20.0
Naphthalene, 2-ph...	18.22	21.3	ng/ul	2594270	4	16.84	2433510	20.0
9,10-Anthracenedione	18.27	7.3	ng/ul	888275	4	16.84	2433510	20.0
Phenanthrene, 3,6...	18.53	9.4	ng/ul	1144870	4	16.84	2433510	20.0
Phenanthrene, 1,7...	18.57	8.3	ng/ul	1014370	4	16.84	2433510	20.0
Phenanthrene, 2,5...	18.64	27.2	ng/ul	3314310	4	16.84	2433510	20.0
Acephenanthrylene...	18.71	20.8	ng/ul	2524610	4	16.84	2433510	20.0
Phenanthrene, 2,3...	18.74	8.2	ng/ul	996016	4	16.84	2433510	20.0
Cyclopenta(def)ph...	18.80	22.6	ng/ul	2752240	4	16.84	2433510	20.0
Benzo[b]naphtho[2...	19.46	2.2	ng/ul	3796490	5	21.06	34564900	20.0
11H-Benzo[b]fluorene	19.79	3.7	ng/ul	6430590	5	21.06	34564900	20.0
Pyrene, 1-methyl-	19.94	3.4	ng/ul	5790790	5	21.06	34564900	20.0
11H-Benzo[a]fluor...	20.54	3.3	ng/ul	5638700	5	21.06	34564900	20.0
Anthra(1,2-b)thio...	20.70	3.1	ng/ul	5373110	5	21.06	34564900	20.0