LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
Data File : BM025682.D
Acq On : 21 Mar 2020 04:34
Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

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-BM031420MA.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	6.757	647	658	670	rBV	342842	554950	5.22%	0.444%
2	6.922	678	686	699	rBV	255505	396188	3.72%	0.317%
3	7.116	711	719	727	rVB	368375	563390	5.29%	0.451%
4	7.575	791	797	805	rVB	819834	1242594	11.68%	0.994%
5	8.281	911	917	924	rBV	443119	675443	6.35%	0.541%
6	8.716	985	991	1002	rVB	327369	519484	4.88%	0.416%
7	9.434	1106	1113	1120	rVV	261226	411311	3.87%	0.329%
8	9.969	1198	1204	1215	rVB	470800	742565	6.98%	0.594%
9	10.339	1260	1267	1273	rBV	1105673	1843410	17.32%	1.475%
10	10.480	1285	1291	1300	rBV	353274	609964	5.73%	0.488%
11	13.633	1821	1827	1831	rVV	787207	1096673	10.31%	0.878%
12	13.674	1831	1834	1841	rVB2	102021	161829	1.52%	0.130%
13	13.904	1866	1873	1876	rBV	908481	1517633	14.26%	1.215%
14	13.927	1876	1877	1887	rVB	551513	638857	6.00%	0.511%
15	14.216	1919	1926	1932	rVV	1745837	2511346	23.60%	2.010%
16	14.280	1932	1937	1944	rVB	86373	130244	1.22%	0.104%
17	14.416	1954	1960	1971	rBV	273238	425846	4.00%	0.341%
18	15.210	2089	2095	2101	rVV	1250767	1709710	16.07%	1.368%
19	15.263	2101	2104	2111	rVV	115230	202229	1.90%	0.162%
20	15.333	2111	2116	2123	rVV	238023	347209	3.26%	0.278%
21	16.615	2330	2334	2343	rVV2	64003	120820	1.14%	0.097%
22	16.780	2354	2362	2366	rVV	75617	150474	1.41%	0.120%
23	16.962	2387	2393	2396	rBV	2065874	2904602	27.30%	2.325%
24	17.004	2396	2400	2404	rVV	1681564	2310273	21.71%	1.849%
25	17.057	2404	2409	2412	rVV	1287423	1749113	16.44%	1.400%
26	17.092	2412	2415	2420	rVB	597993	774322	7.28%	0.620%
27	17.151	2420	2425	2432	rVB4	77338	130539	1.23%	0.104%
28	17.362	2452	2461	2465	rBV2	108197	190970	1.79%	0.153%
29	17.833	2537	2541	2545	rBV	299628	419494	3.94%	0.336%
30	17.880	2545	2549	2556	rVB	569498	782169	7.35%	0.626%
31	17.962	2557	2563	2568	rBV	195441	304134	2.86%	0.243%
32	18.027	2568	2574	2578	rVV3	539575	934761	8.78%	0.748%
33	18.062	2578	2580	2586	rVB	262000	319278	3.00%	0.256%
34	18.339	2623	2627	2630	rVV	282409	373458	3.51%	0.299%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
Data File : BM025682.D
Acq On : 21 Mar 2020 04:34
Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

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-BM031420MA.M
Title : SVOA CALIBRATION

35	18.374	2630	2633	2640	rVB3	201517	286065	2.69%	0.229%
36	18.592	2666	2670	2674	rVV	106681	159159	1.50%	0.127%
37	18.639	2674	2678	2682	rVV	128313	178214	1.67%	0.143%
38	18.680	2682	2685	2689	rVB	117821	149509	1.40%	0.120%
39	18.762	2689	2699	2703	rBV2	393167	691681	6.50%	0.554%
40	18.821	2704	2709	2712	rVV2	212220	388564	3.65%	0.311%
41	18.856	2712	2715	2718	rVV	148962	187825	1.77%	0.150%
42	18.898	2718	2722	2730	rVB3	280005	479407	4.51%	0.384%
43	19.021	2737	2743	2749	rVB	5203525	7091617	66.64%	5.676%
44	19.098	2751	2756	2758	rBV	101927	151287	1.42%	0.121%
45	19.174	2765	2769	2773	rVB	537363	671196	6.31%	0.537%
46	19.221	2773	2777	2780	rBV3	82415	127593	1.20%	0.102%
47	19.268	2781	2785	2787	rBV	112962	158317	1.49%	0.127%
48	19.356	2795	2800	2802	rBV	2238188	3145552	29.56%	2.517%
49	19.386	2802	2805	2813	rVV	5191199	6670258	62.68%	5.338%
50	19.462	2814	2818	2825	rVB2	215990	421924	3.96%	0.338%
51	19.568	2831	2836	2841	rBV	314161	448775	4.22%	0.359%
52	19.627	2842	2846	2853	rVB	213057	353071	3.32%	0.283%
53	19.721	2855	2862	2867	rBV2	468428	1089105	10.23%	0.872%
54	19.803	2873	2876	2879	rBV5	80778	120431	1.13%	0.096%
55	19.850	2879	2884	2887	rVV4	467851	853670	8.02%	0.683%
56	19.886	2887	2890	2895	rVB2	1031280	1275352	11.98%	1.021%
57	19.950	2896	2901	2903	rBV5	74622	129432	1.22%	0.104%
58	19.986	2903	2907	2911	rVV	611349	720040	6.77%	0.576%
59	20.045	2911	2917	2922	rBV2	706048	1084081	10.19%	0.868%
60	20.133	2928	2932	2936	rBV3	136627	270225	2.54%	0.216%
61	20.180	2936	2940	2944	rVV2	422271	556582	5.23%	0.445%
62	20.227	2944	2948	2953	rVV	385466	538748	5.06%	0.431%
63	20.445	2981	2985	2988	rBV4	143894	245245	2.30%	0.196%
64	20.480	2988	2991	2994	rVV5	110432	168620	1.58%	0.135%
65	20.598	3006	3011	3013	rBV3	162412	266144	2.50%	0.213%
66	20.633	3013	3017	3024	rVB	512804	856368	8.05%	0.685%
67	20.797	3039	3045	3049	rVV3	630057	1109469	10.43%	0.888%
68	20.839	3049	3052	3055	rVV	634163	784347	7.37%	0.628%
69	20.892	3055	3061	3064	rVV3	749865	1580458	14.85%	1.265%
70	20.927	3064	3067	3075	rVB2	564493	831189	7.81%	0.665%
71	21.039	3083	3086	3091	rVB2	124750	168978	1.59%	0.135%

LSC Area Percent Report

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Acq On : 21 Mar 2020 04:34
Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

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-BM031420MA.M
Title : SVOA CALIBRATION

72	21.097	3093	3096	3098	rBV2	178474	211886	1.99%	0.170%
73	21.139	3098	3103	3109	rVV2	5561062	10641362	100.00%	8.517%
74	21.192	3109	3112	3119	rVB	3654826	4623759	43.45%	3.701%
75	21.268	3123	3125	3128	rVB2	127939	130077	1.22%	0.104%
76	21.303	3128	3131	3135	rBV	447136	652047	6.13%	0.522%
77	21.350	3136	3139	3145	rVB	405946	525732	4.94%	0.421%
78	21.456	3153	3157	3163	rBV2	439422	779084	7.32%	0.624%
79	21.509	3163	3166	3170	rVB4	176609	230216	2.16%	0.184%
80	21.639	3185	3188	3191	rBV	247790	335026	3.15%	0.268%
81	21.692	3191	3197	3201	rVV	917628	1496633	14.06%	1.198%
82	21.739	3202	3205	3212	rVB3	485234	821277	7.72%	0.657%
83	21.839	3219	3222	3225	rVB	301731	349222	3.28%	0.279%
84	21.880	3225	3229	3232	rVV	518679	721534	6.78%	0.577%
85	21.909	3232	3234	3240	rVB4	519944	648048	6.09%	0.519%
86	22.268	3293	3295	3298	rBV2	123388	150729	1.42%	0.121%
87	22.674	3357	3364	3369	rBV	3949519	9831268	92.39%	7.868%
88	22.833	3386	3391	3397	rVB	970539	1573027	14.78%	1.259%
89	22.956	3408	3412	3415	rBV2	252267	453103	4.26%	0.363%
90	23.121	3435	3440	3445	rBV	2188359	3918120	36.82%	3.136%
91	23.168	3445	3448	3451	rVV	1085135	1744307	16.39%	1.396%
92	23.215	3451	3456	3464	rVB	3947000	7002856	65.81%	5.605%
93	23.303	3465	3471	3476	rBV	1896997	3702482	34.79%	2.963%
94	23.350	3476	3479	3487	rVB2	1013545	1863313	17.51%	1.491%
95	23.927	3573	3577	3584	rVB3	241589	552282	5.19%	0.442%
96	24.127	3607	3611	3616	rVB	251386	446188	4.19%	0.357%
97	24.562	3681	3685	3692	rVB2	165963	302782	2.85%	0.242%
98	25.438	3826	3834	3843	rVB	1961036	5266640	49.49%	4.215%
99	25.680	3871	3875	3882	rVB	341112	720139	6.77%	0.576%
100	26.079	3935	3943	3958	rVB	1052017	3082533	28.97%	2.467%

Sum of corrected areas: 124949452

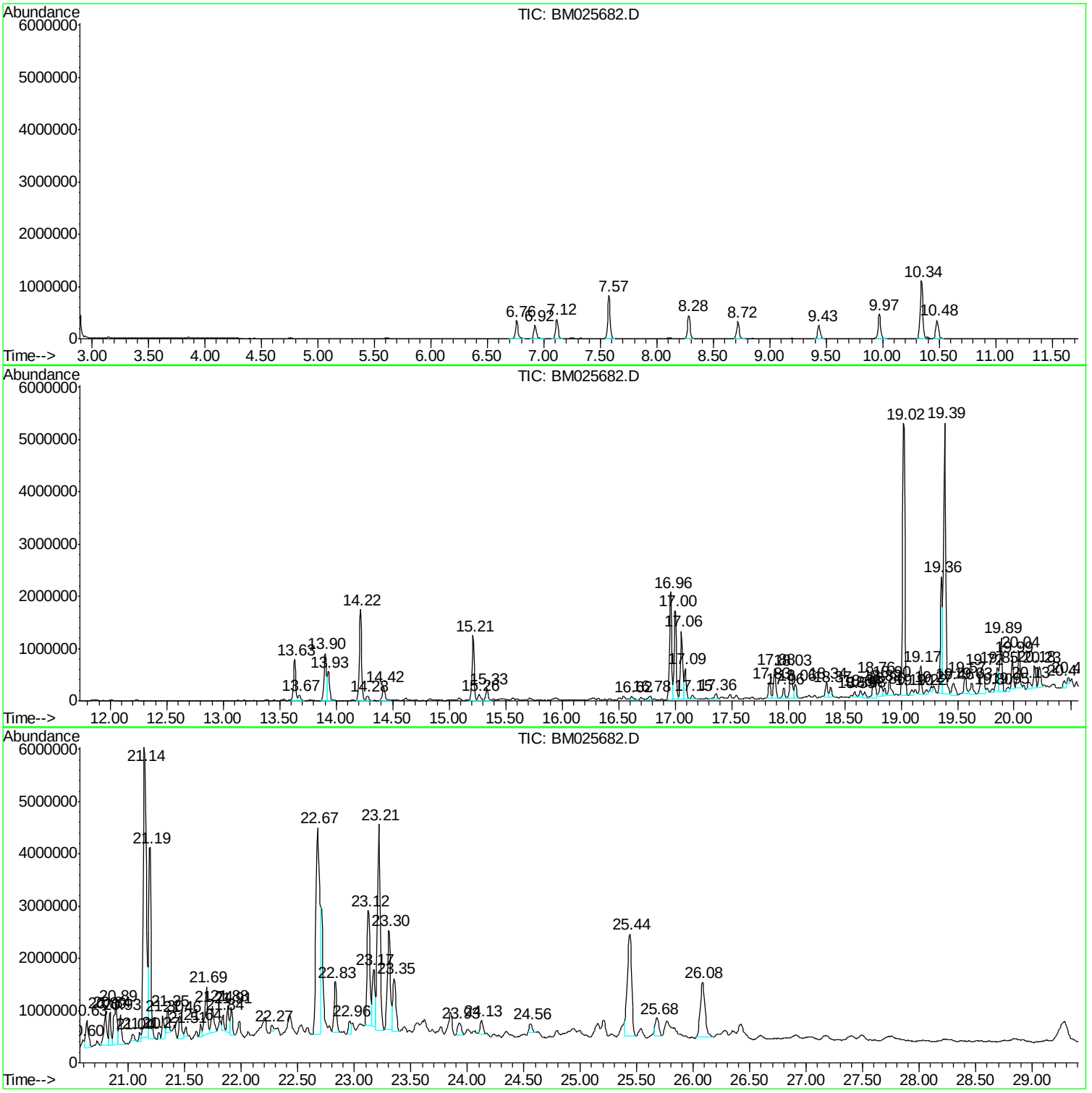
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
Data File : BM025682.D
Acq On : 21 Mar 2020 04:34
Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
Data File : BM025682.D
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Sample : L1972-02DL 2X
Misc :
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Instrument : BNA_M
ClientSampleId : B0AG8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

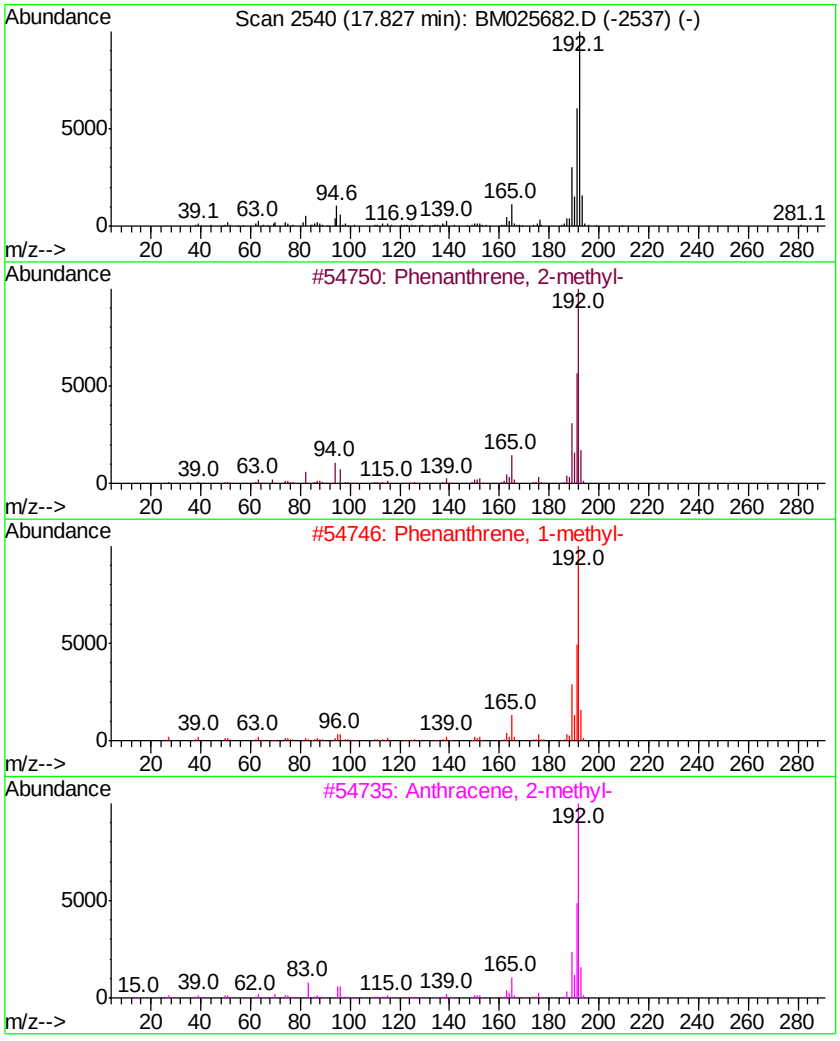
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

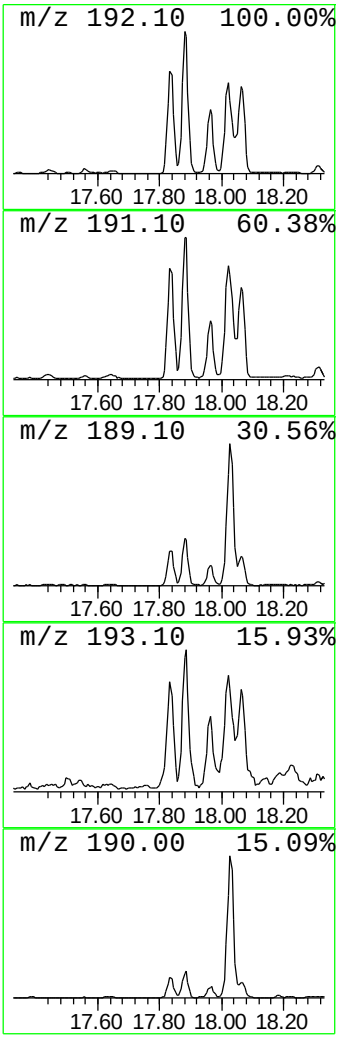
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	2.89 ng/ul	419494	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
Data File : BM025682.D
Acq On : 21 Mar 2020 04:34
Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

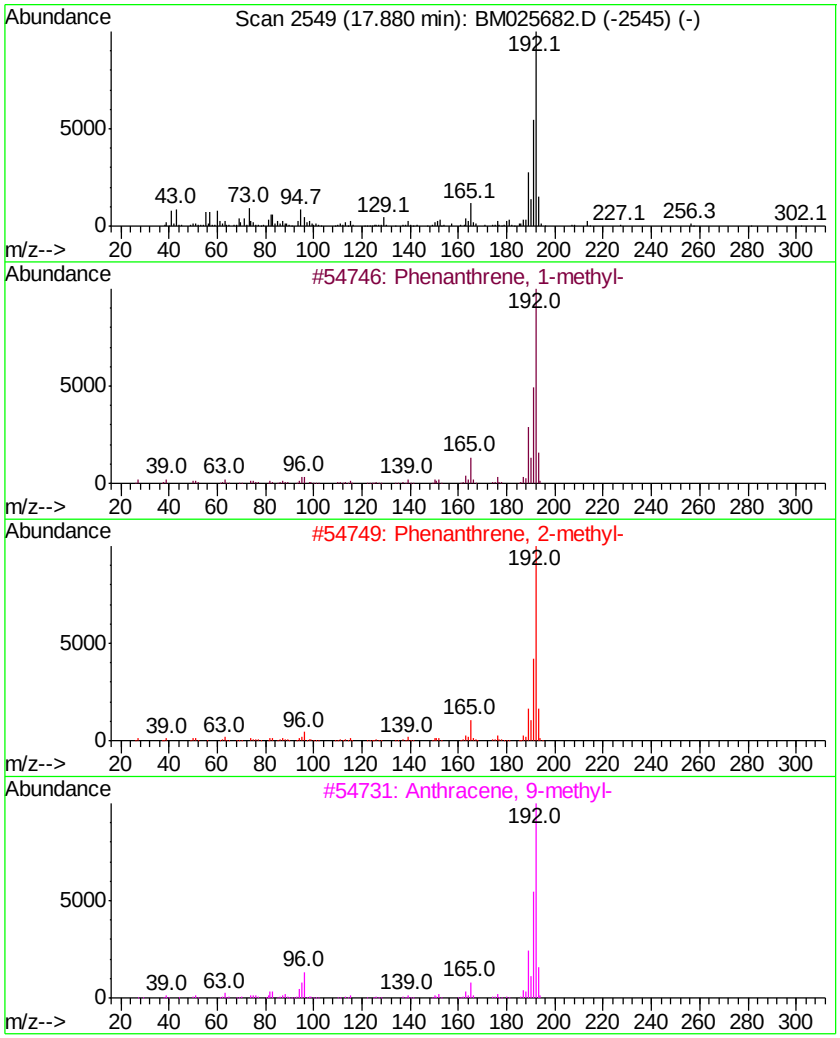
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

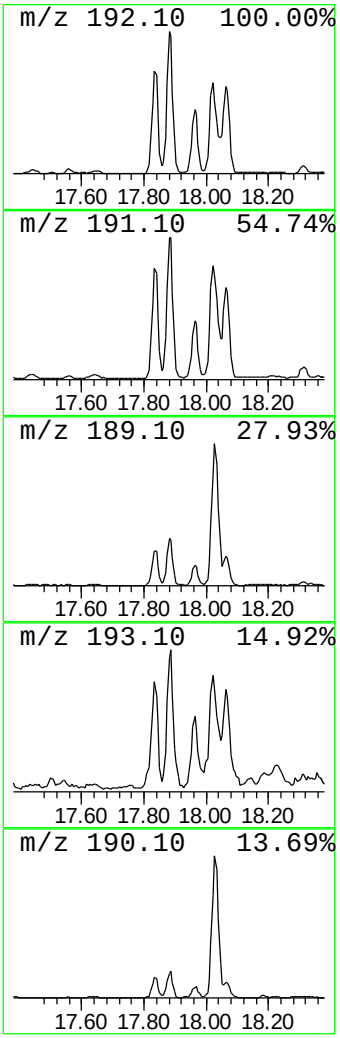
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.88	5.39 ng/ul	782169	Phenanthrene-d10	16.96

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





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Data File : BM025682.D
Acq On : 21 Mar 2020 04:34
Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
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Instrument : BNA_M
ClientSampleId : B0AG8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

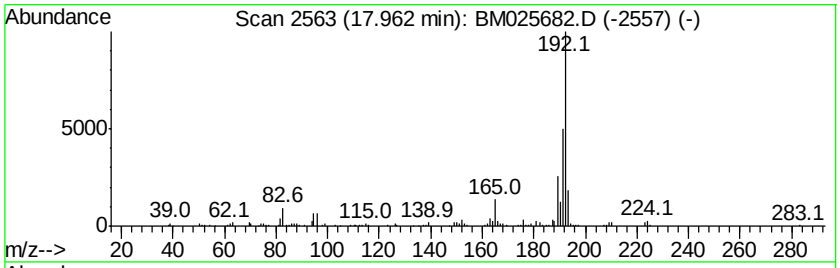
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

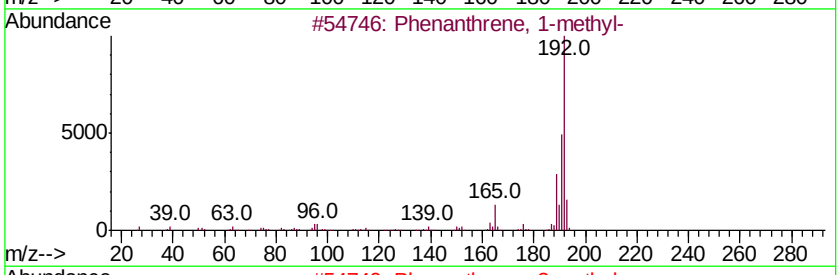
****

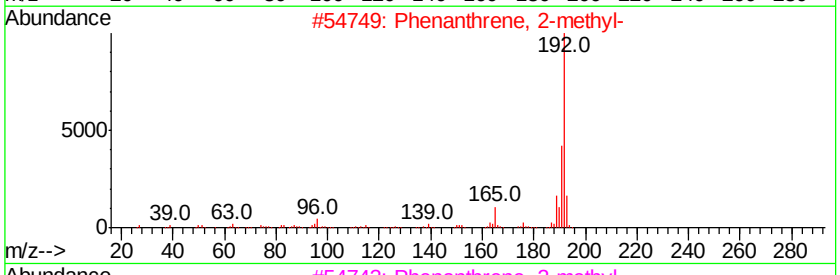
Peak Number 3 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

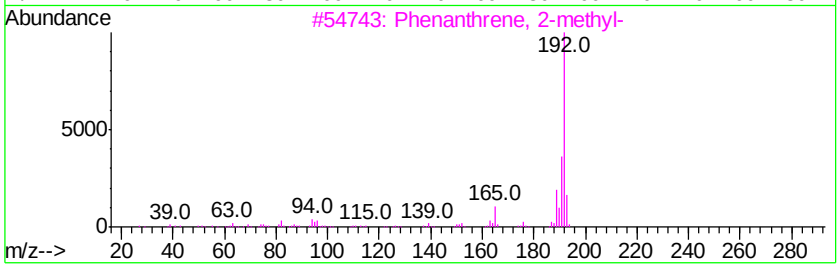
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	2.09 ng/ul	304134	Phenanthrene-d10	16.96

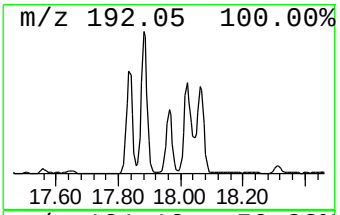
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7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

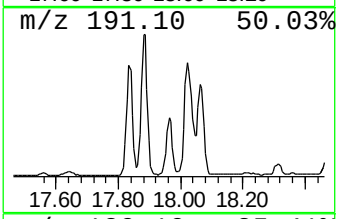


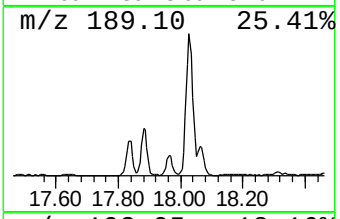


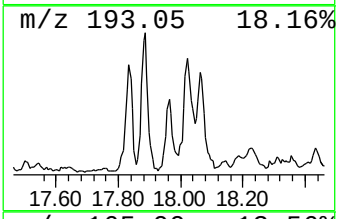


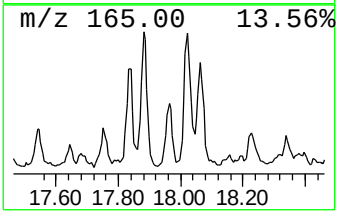












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Data File : BM025682.D
Acq On : 21 Mar 2020 04:34
Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

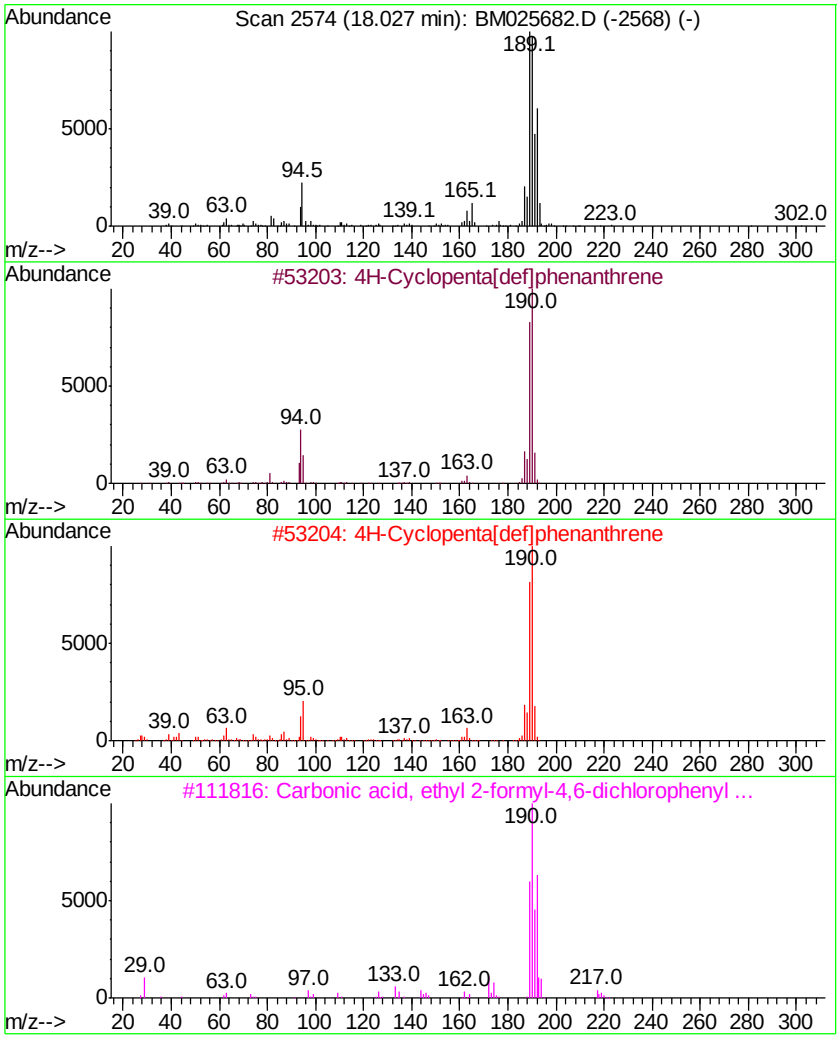
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

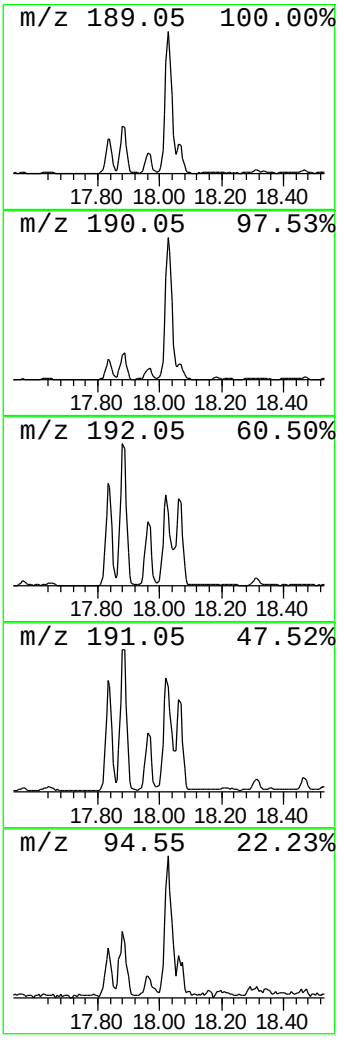
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	6.44 ng/ul	934761	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35





Library Search Compound Report

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Acq On : 21 Mar 2020 04:34
Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

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Quant Title : SVOA CALIBRATION

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

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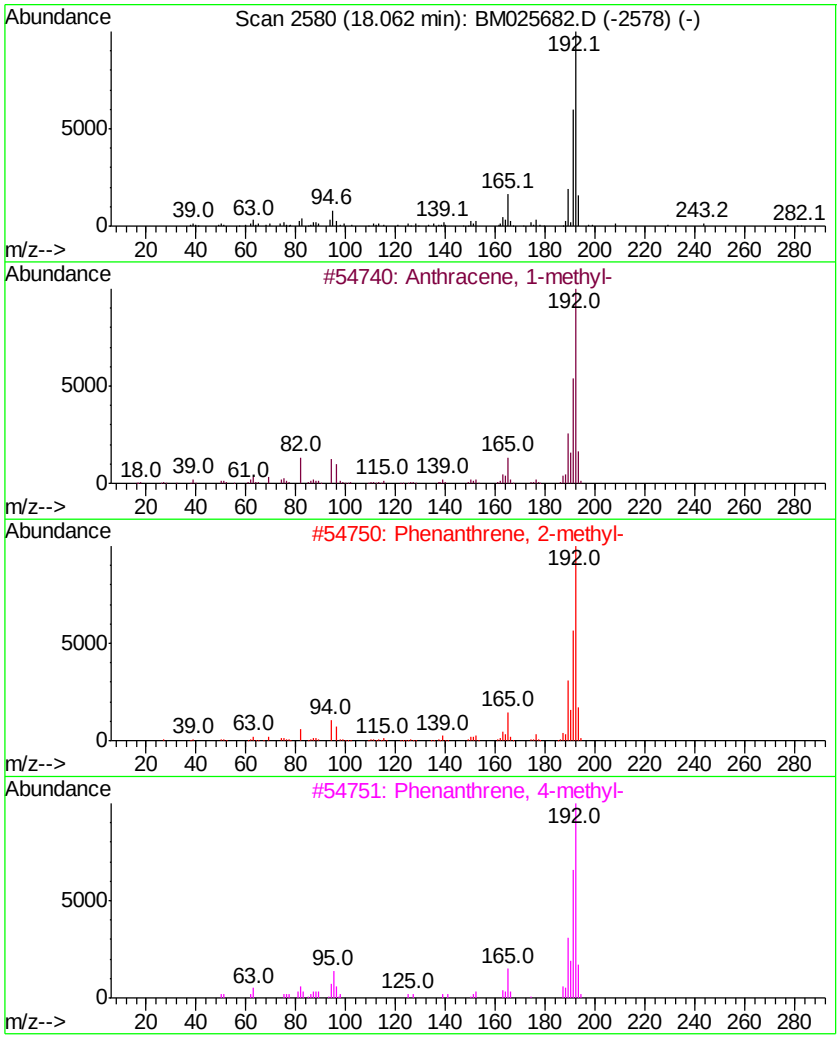
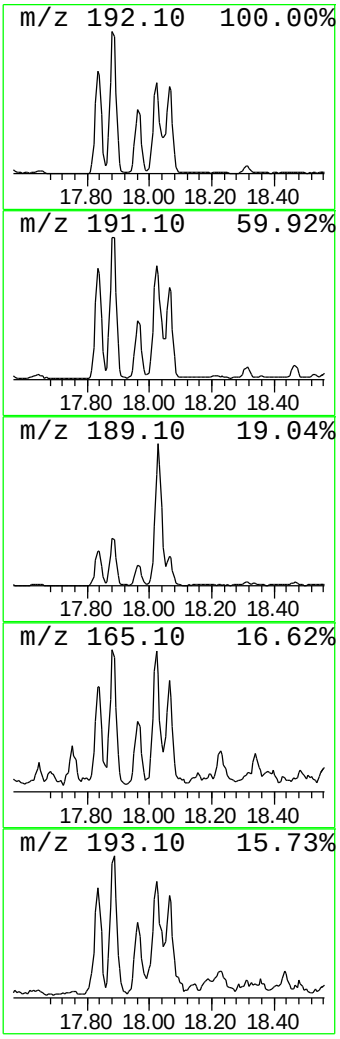
Peak Number 5 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	2.20 ng/ul	319278	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81





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Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

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Quant Title : SVOA CALIBRATION

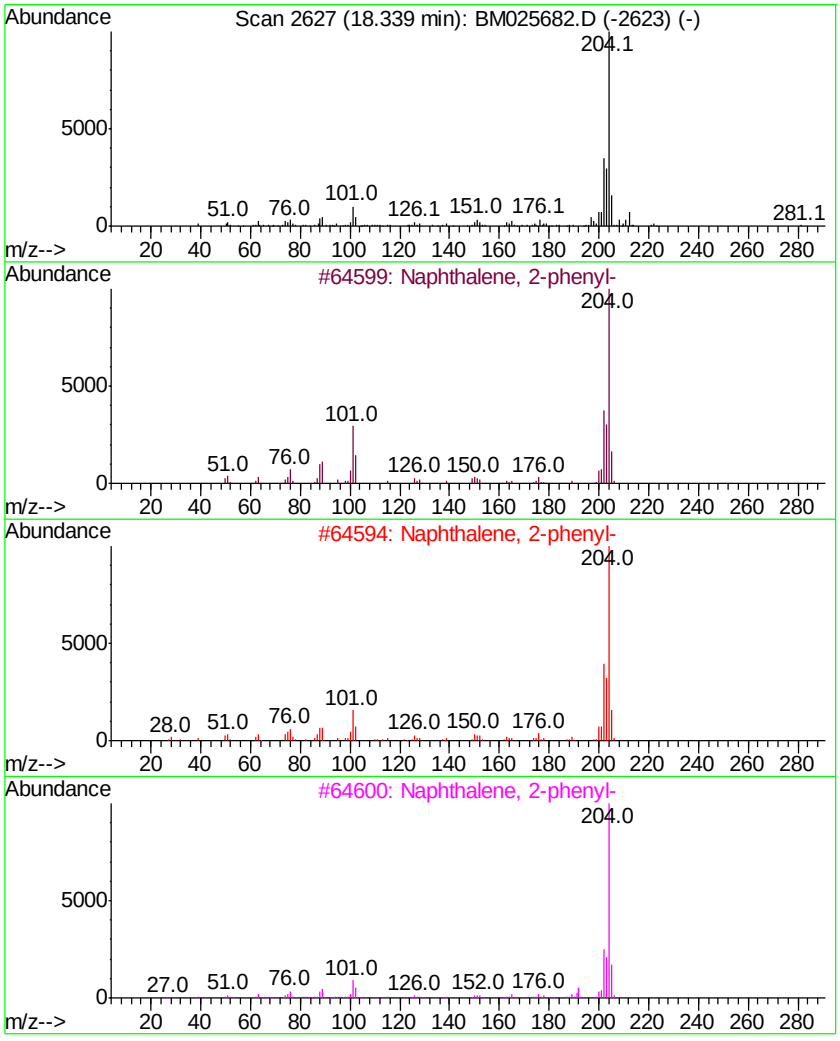
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

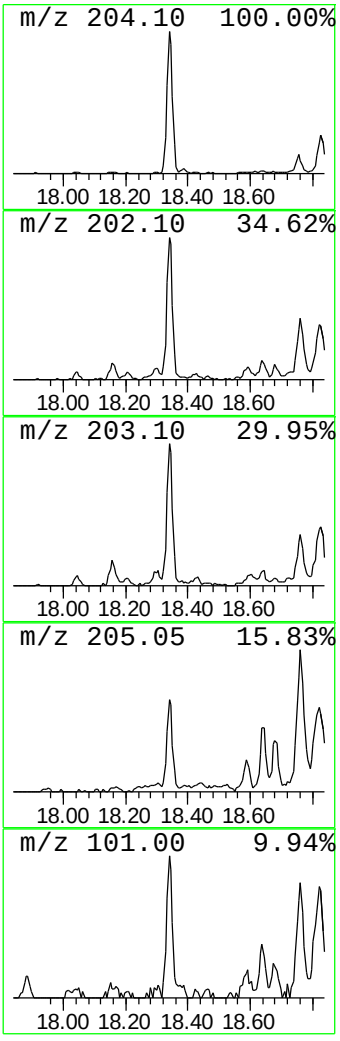
****

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.57 ng/ul	373458	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60





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Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

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ClientSampleId : B0AG8DL

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Quant Title : SVOA CALIBRATION

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

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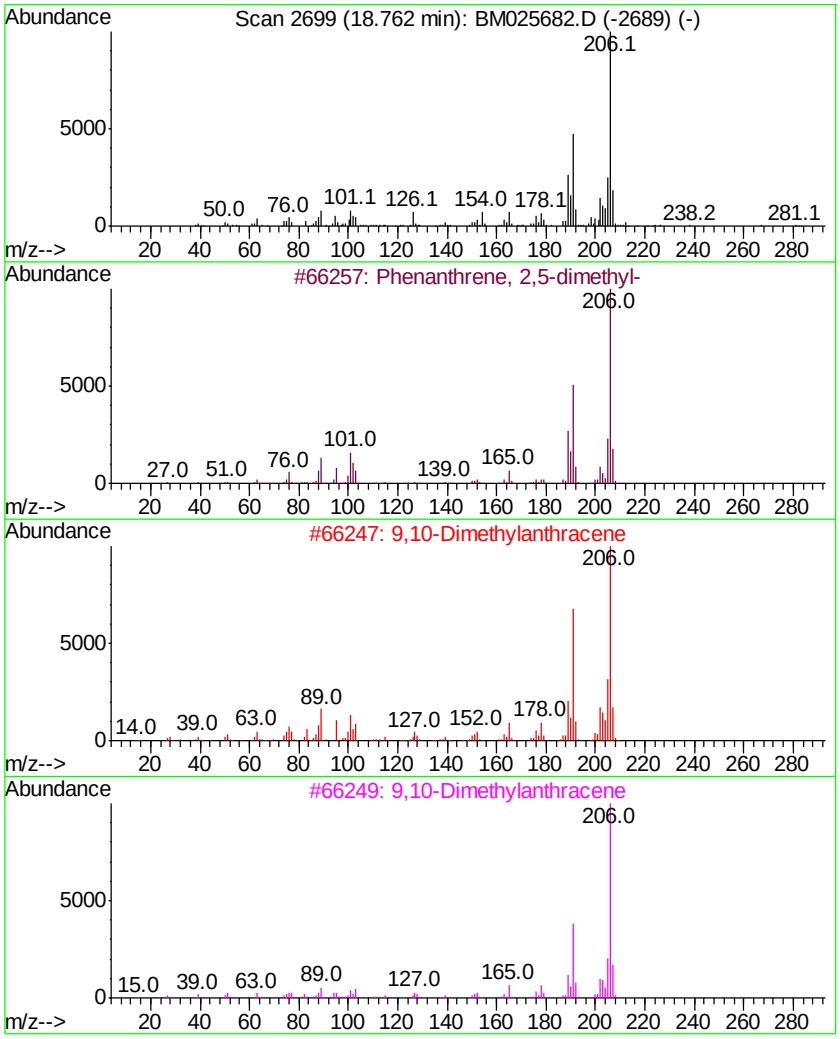
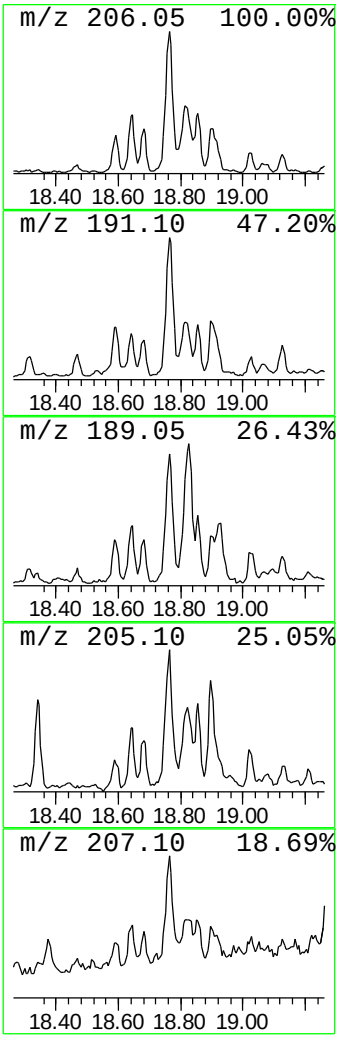
Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	4.76 ng/ul	691681	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

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Quant Title : SVOA CALIBRATION

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

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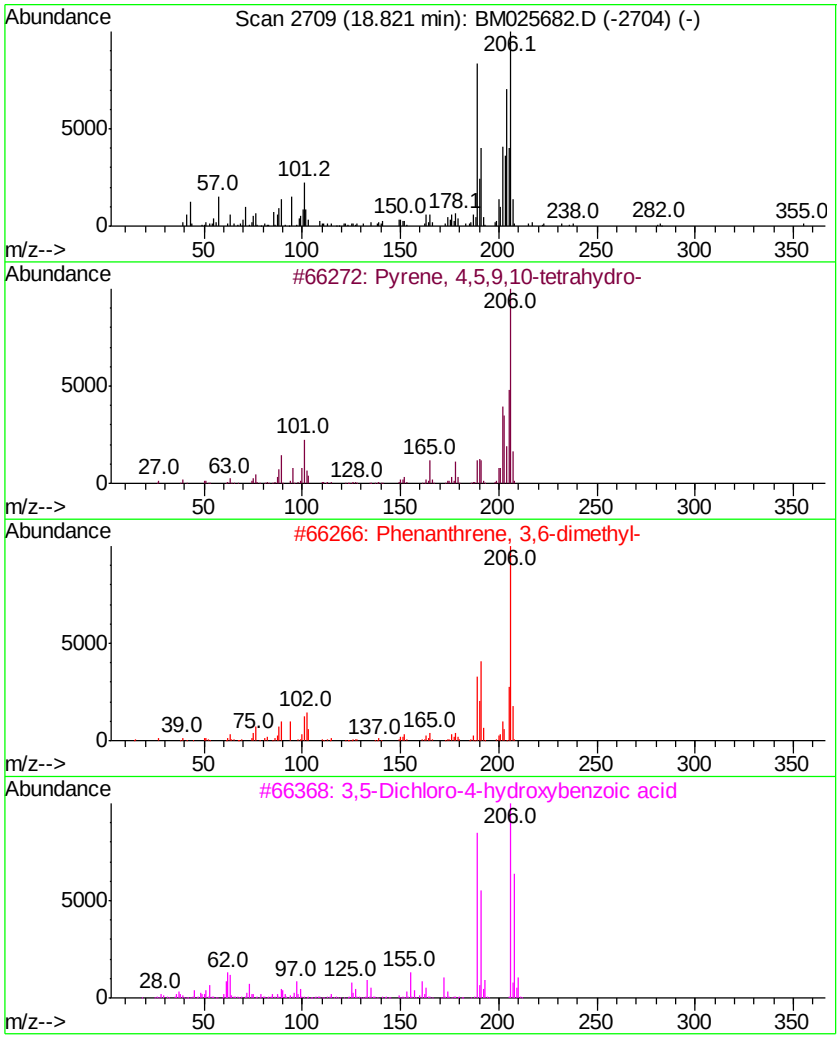
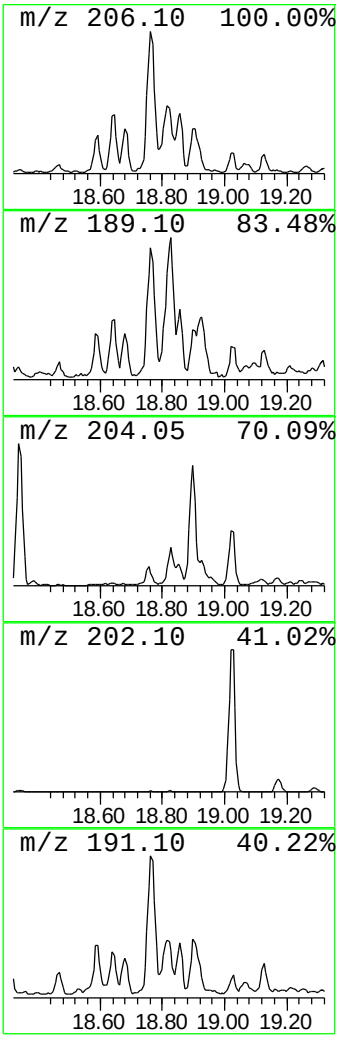
Peak Number 8 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	2.68 ng/ul	388564	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	60
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
3	3,5-Dichloro-4-hydroxybenzoic acid	206	C7H4Cl2O3	003336-41-2	43
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	41
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38





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Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

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Quant Title : SVOA CALIBRATION

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

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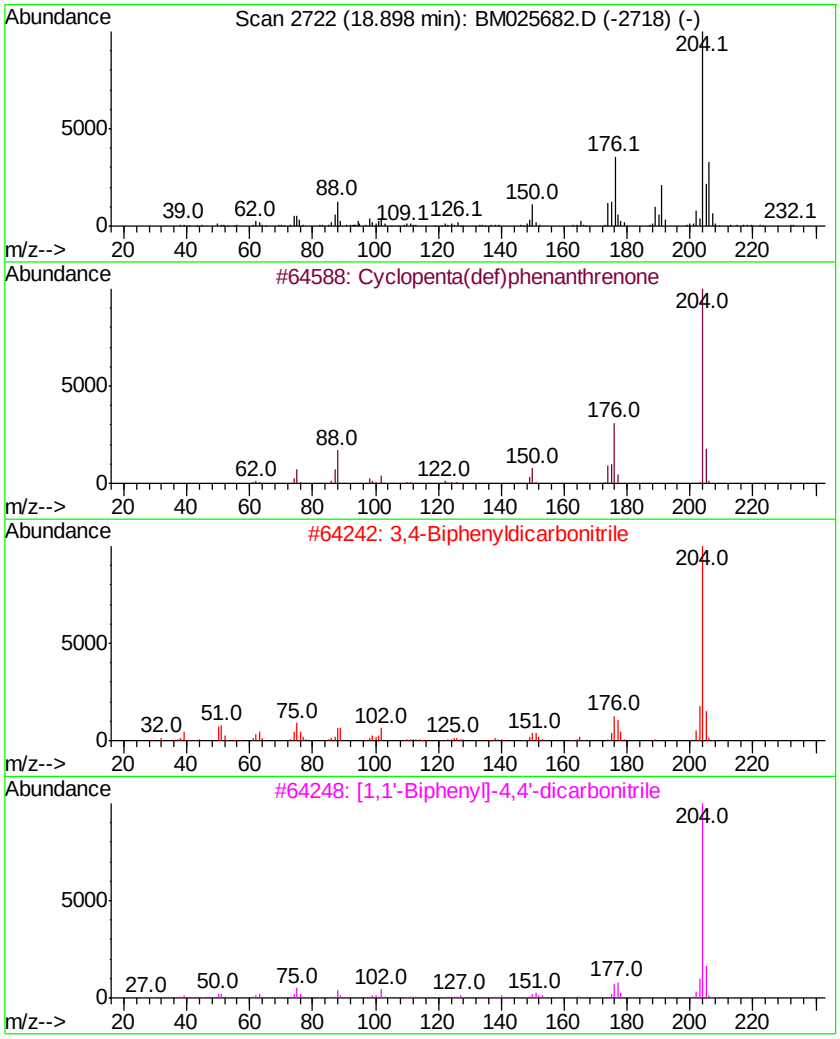
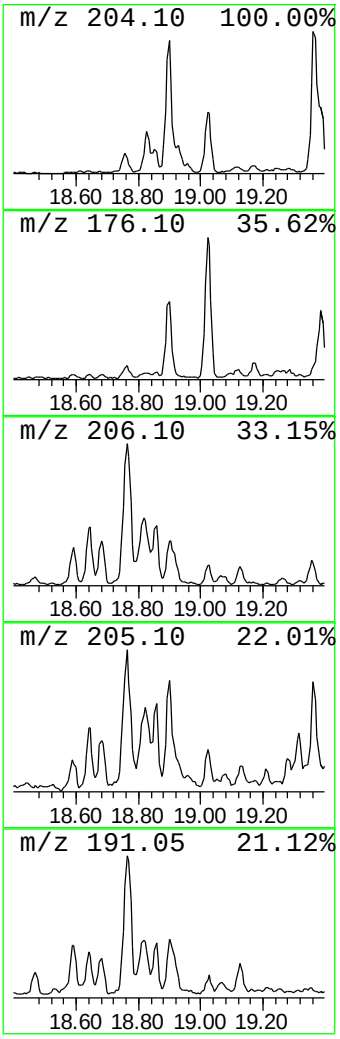
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	3.30 ng/ul	479407	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	50
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47





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Sample : L1972-02DL 2X
Misc :
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Quant Title : SVOA CALIBRATION

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

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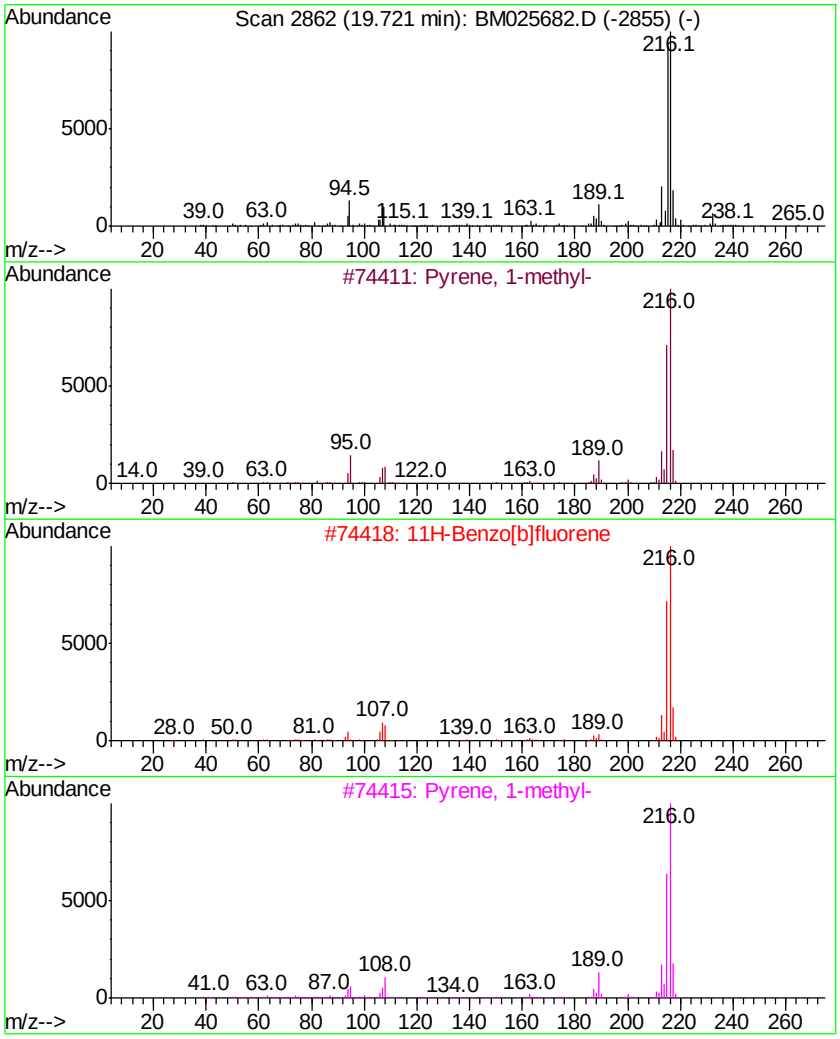
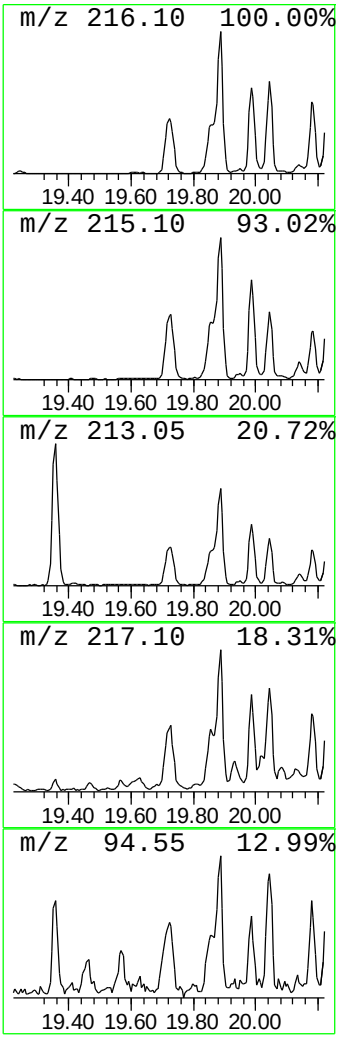
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	2.05 ng/ul	1089110	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89





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Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

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Quant Title : SVOA CALIBRATION

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

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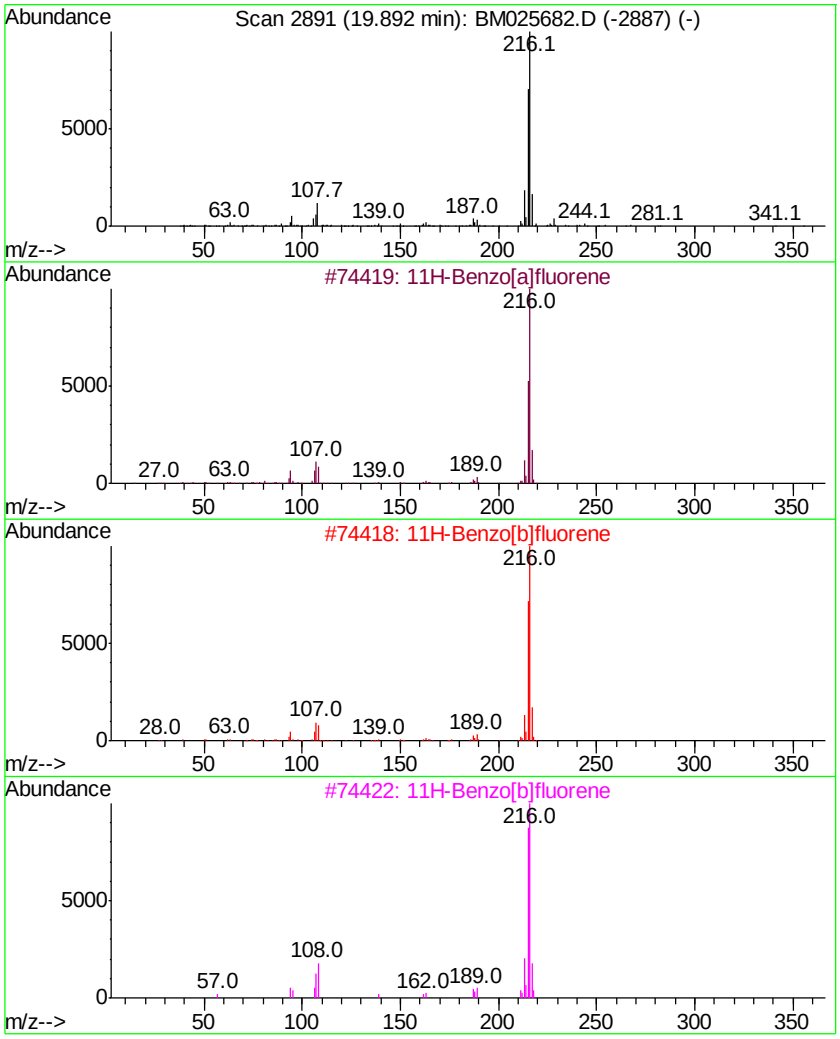
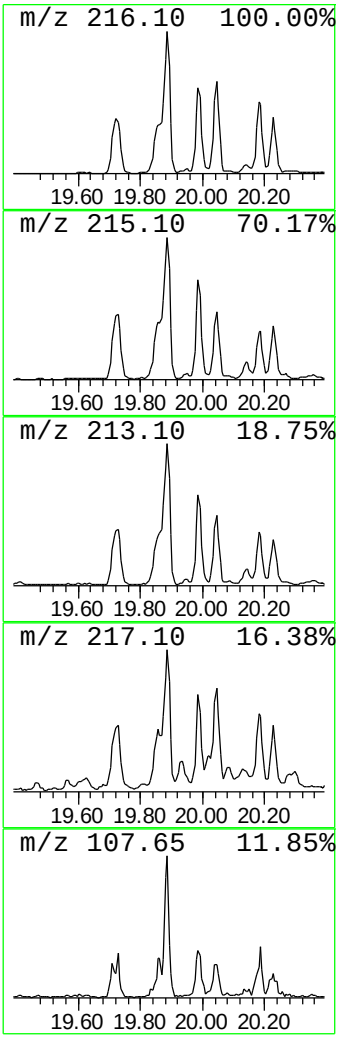
Peak Number 11 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	2.40 ng/ul	1275350	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 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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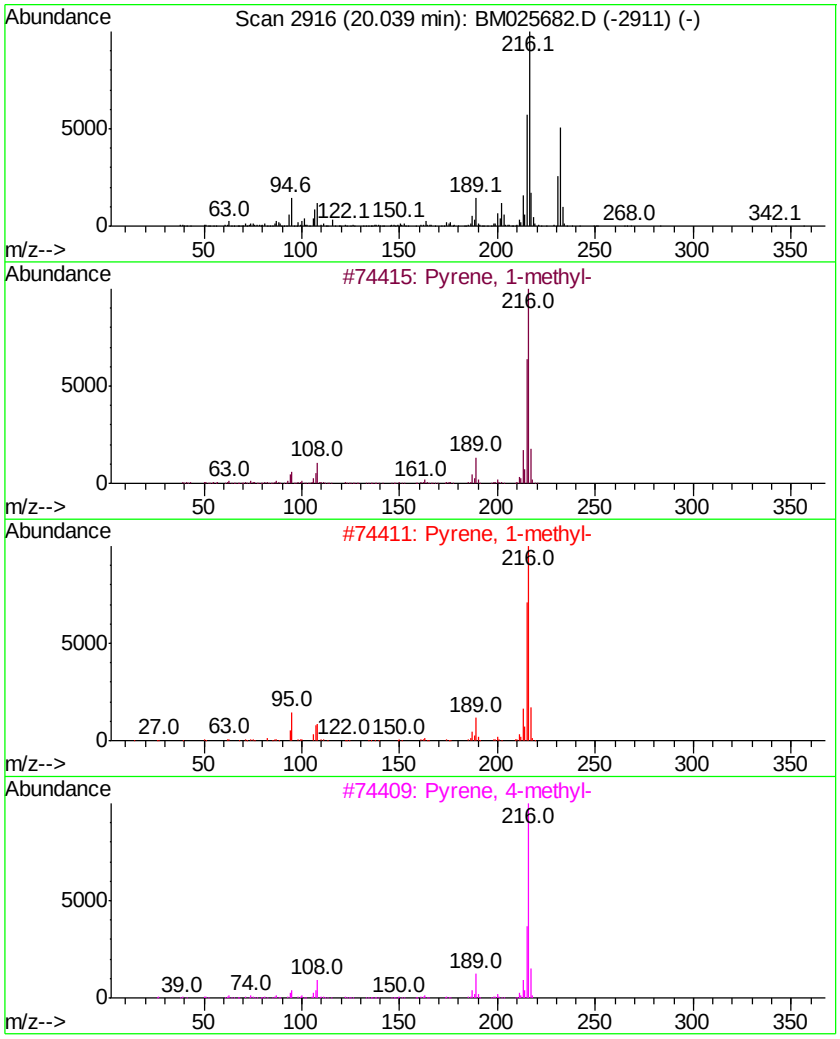
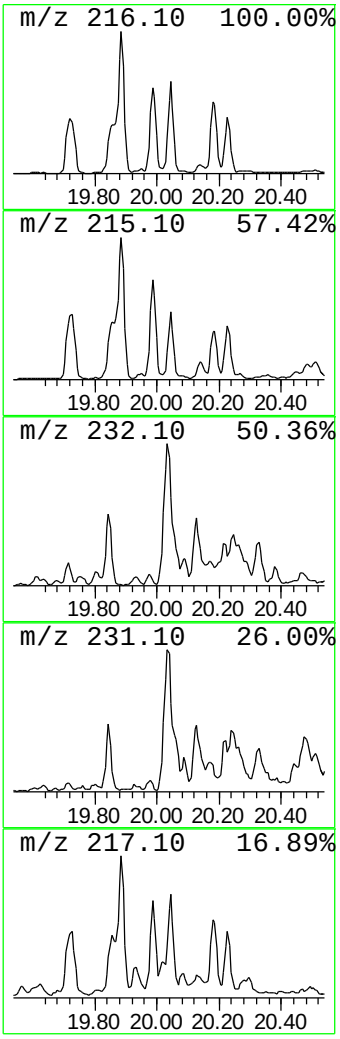
Peak Number 12 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.04 ng/ul	1084080	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95





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Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 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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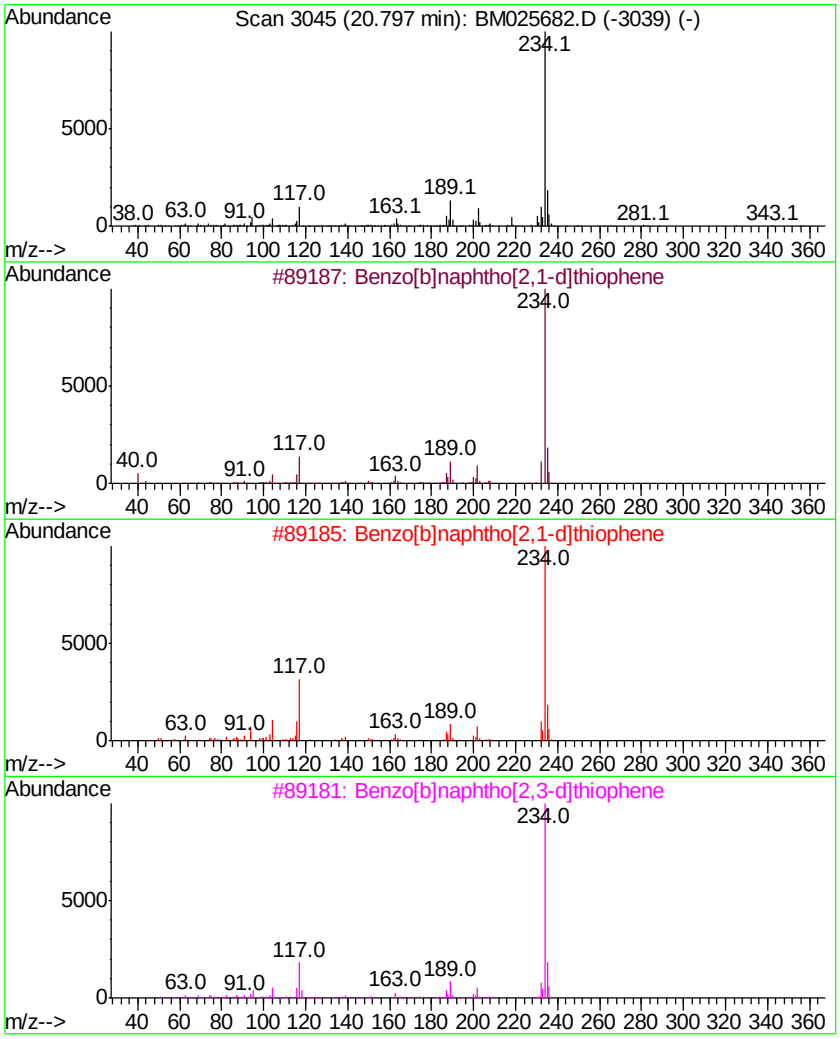
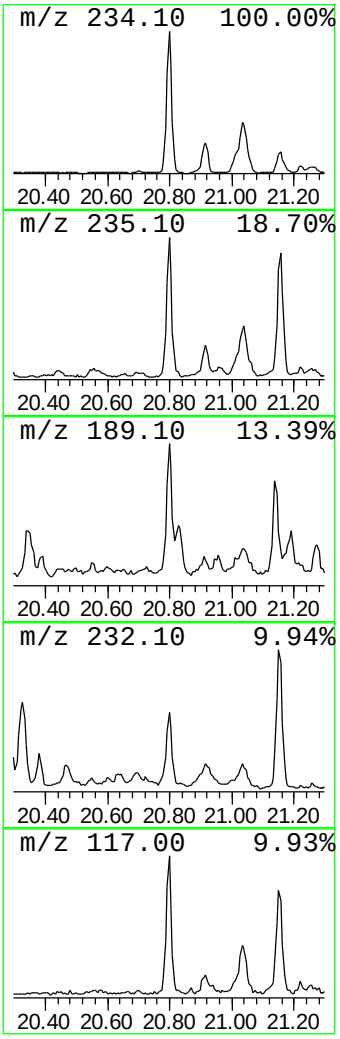
Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	2.09 ng/ul	1109470	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93





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ClientSampleId : B0AG8DL

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Quant Title : SVOA CALIBRATION

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

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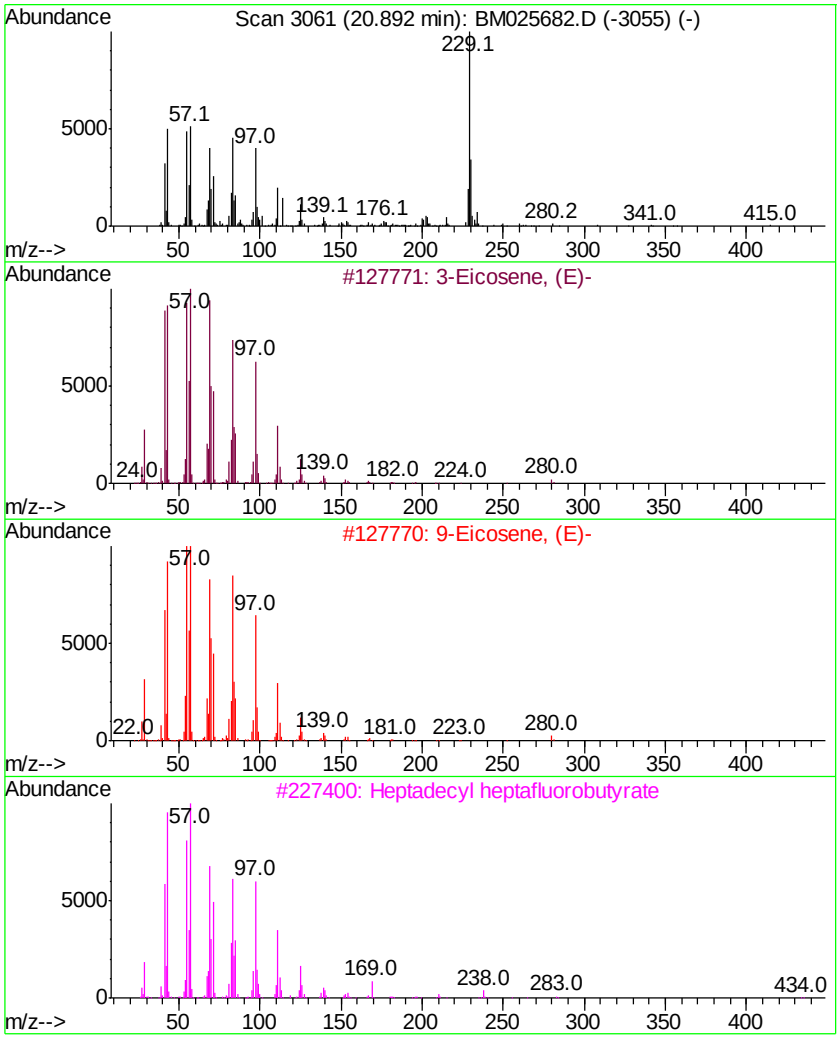
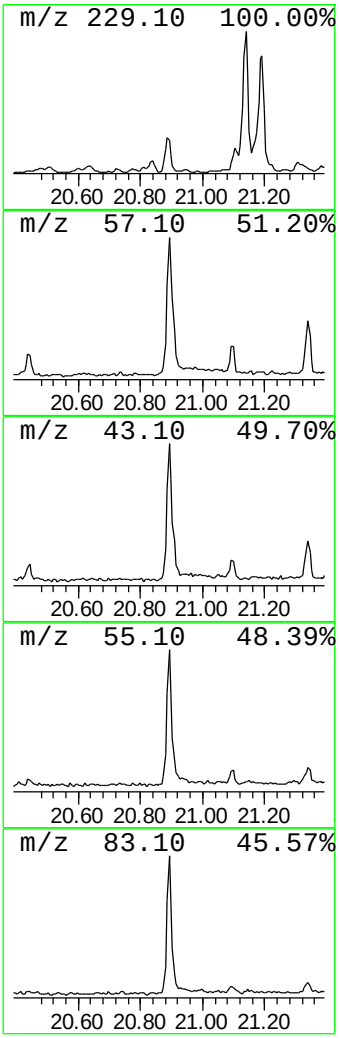
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	2.97 ng/ul	1580460	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	56
2	9-Eicosene, (E)-	280	C20H40	074685-29-3	52
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	46
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	46
5	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	42





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Sample : L1972-02DL 2X
Misc :
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Instrument : BNA_M
ClientSampleId : B0AG8DL

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Quant Title : SVOA CALIBRATION

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

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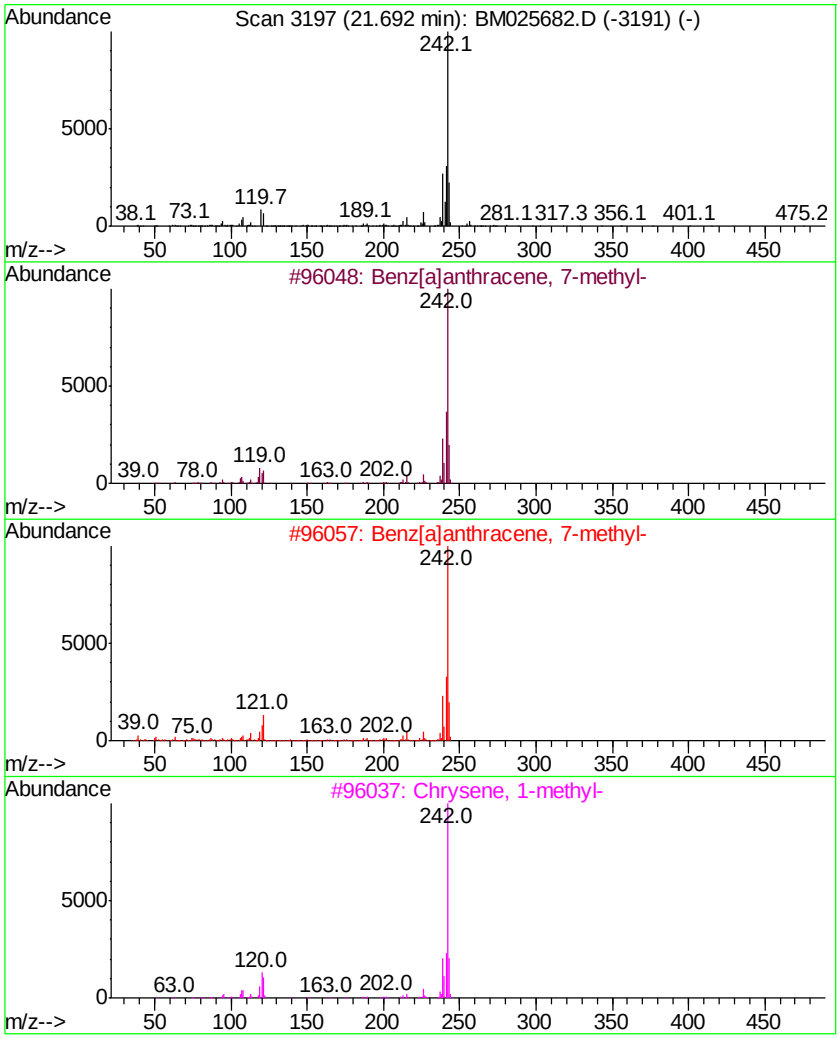
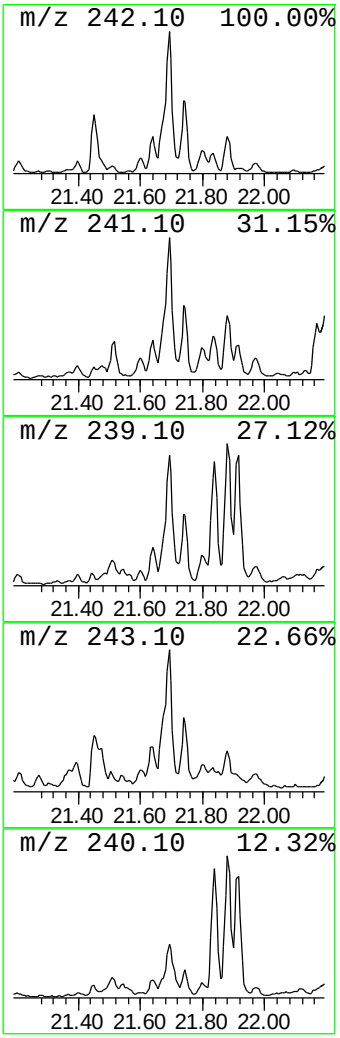
Peak Number 15 Benz[a]anthracene, 7-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.69	2.81 ng/ul	1496630	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	97
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	91
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	91





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Data File : BM025682.D
Acq On : 21 Mar 2020 04:34
Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

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

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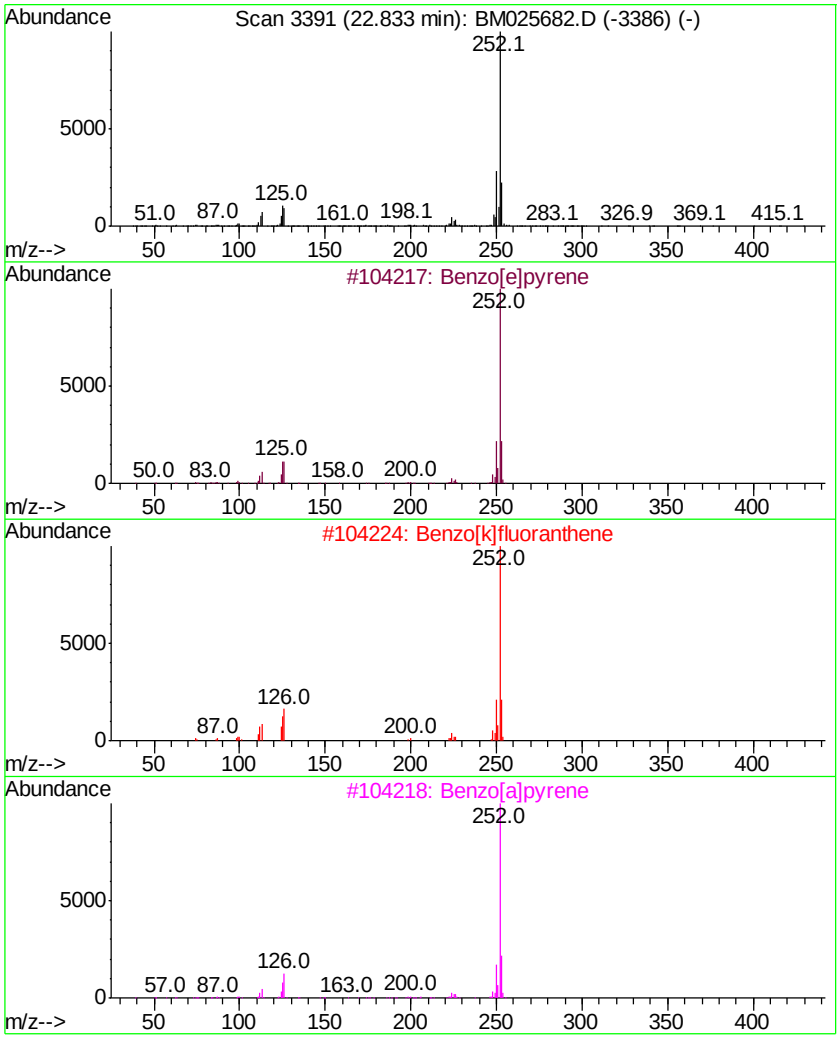
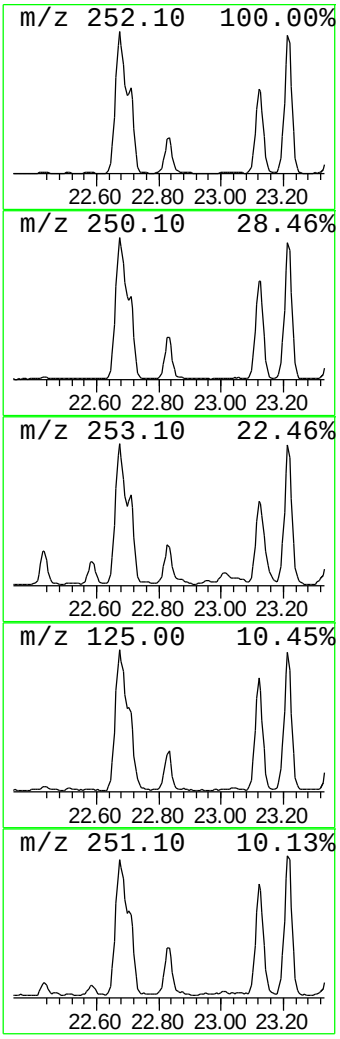
Peak Number 16 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.83	8.50 ng/ul	1573030	Perylene-d12	23.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





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Data File : BM025682.D
Acq On : 21 Mar 2020 04:34
Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

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

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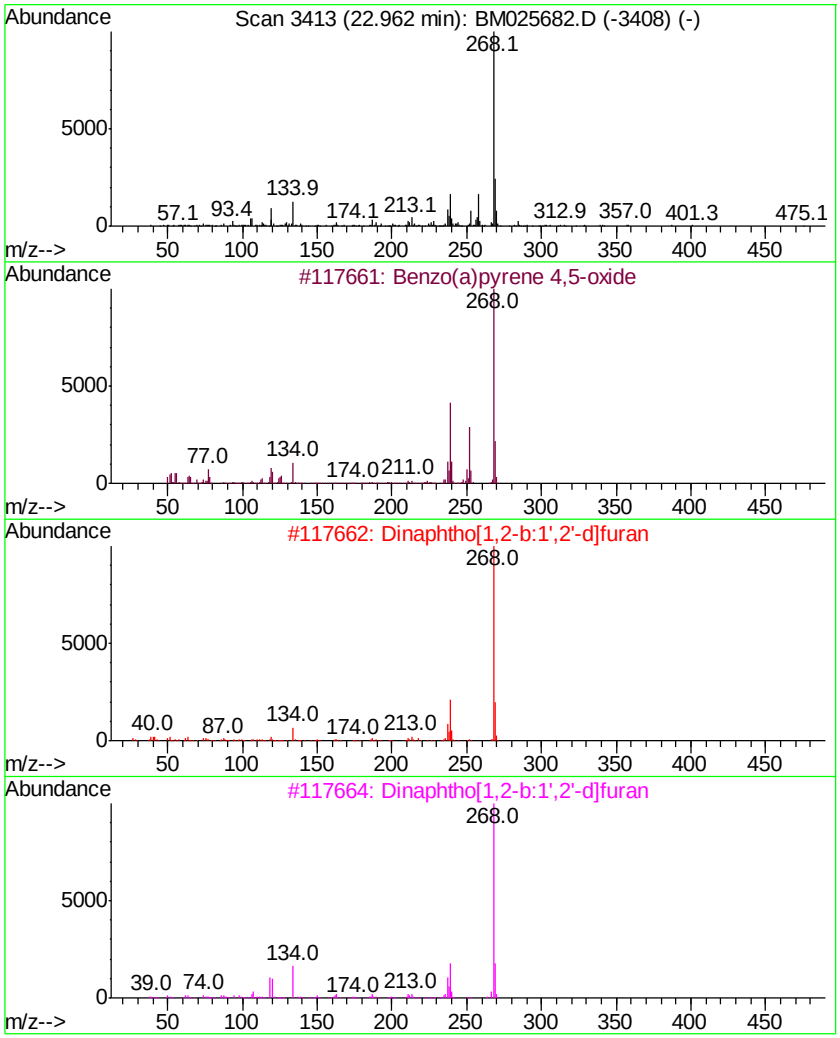
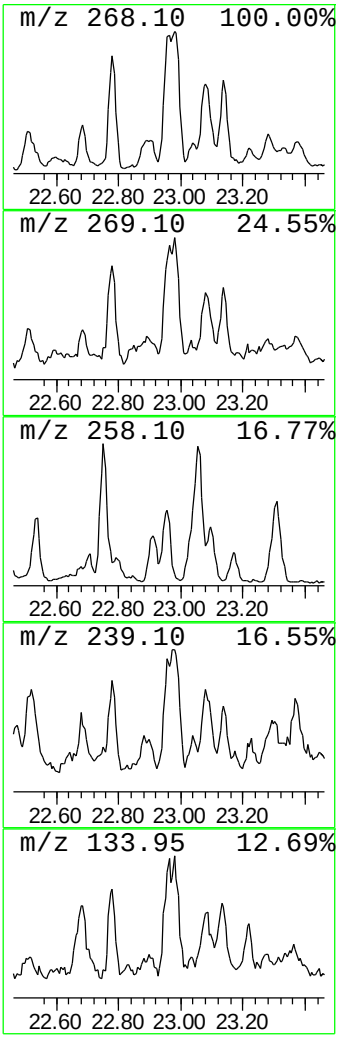
Peak Number 17 Benzo(a)pyrene 4,5-oxide Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.96	2.45 ng/ul	453103	Perylene-d12	23.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	81
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
3	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	62
4	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	59
5	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	50





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Data File : BM025682.D
Acq On : 21 Mar 2020 04:34
Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

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

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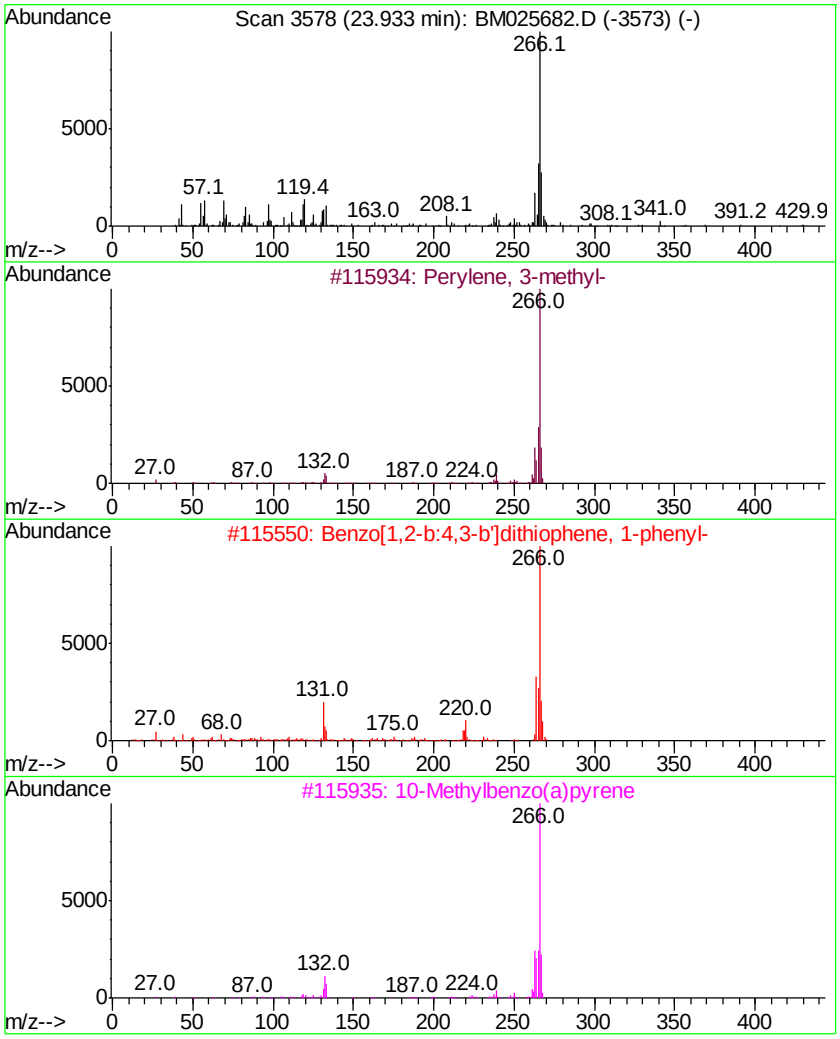
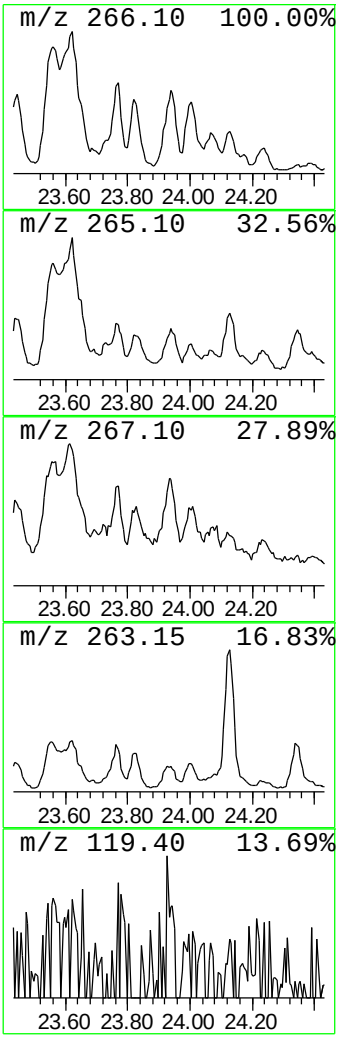
Peak Number 18 Perylene, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.93	2.98 ng/ul	552282	Perylene-d12	23.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	78
2	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	58
3	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	58
4	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	53
5	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	53





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Data File : BM025682.D
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Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

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

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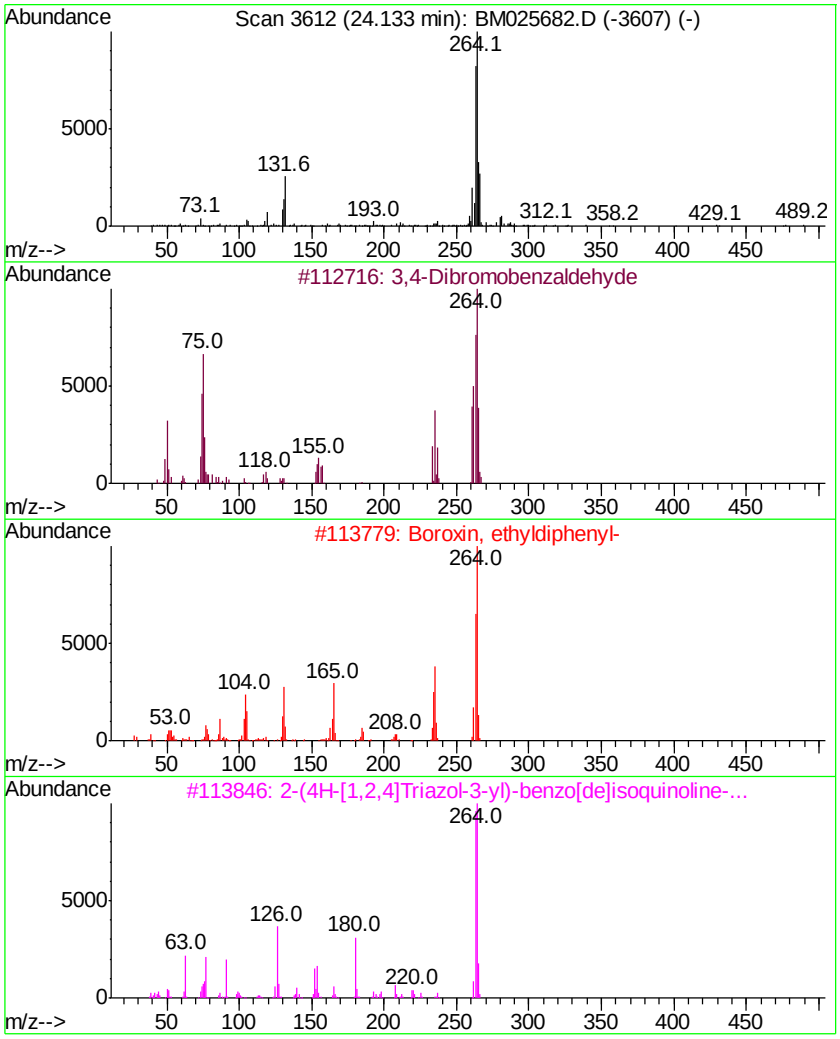
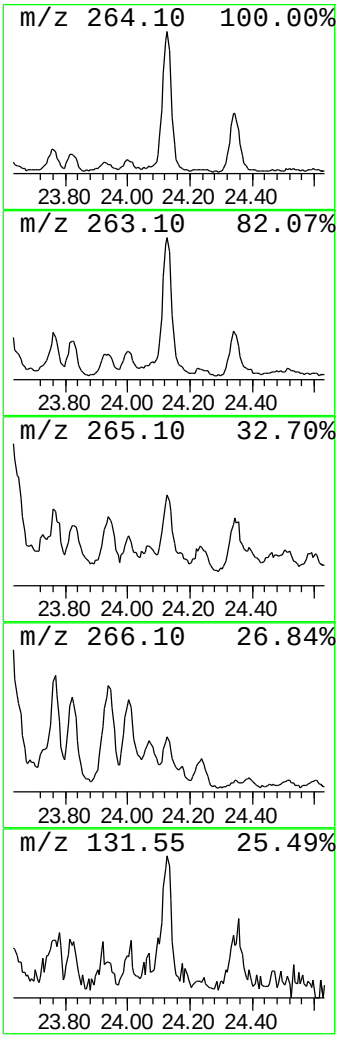
Peak Number 19 3,4-Dibromobenzaldehyde Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.13	2.41 ng/ul	446188	Perylene-d12	23.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	58
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	45
3	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	40
4	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	37
5	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	25





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Data File : BM025682.D
Acq On : 21 Mar 2020 04:34
Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION

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

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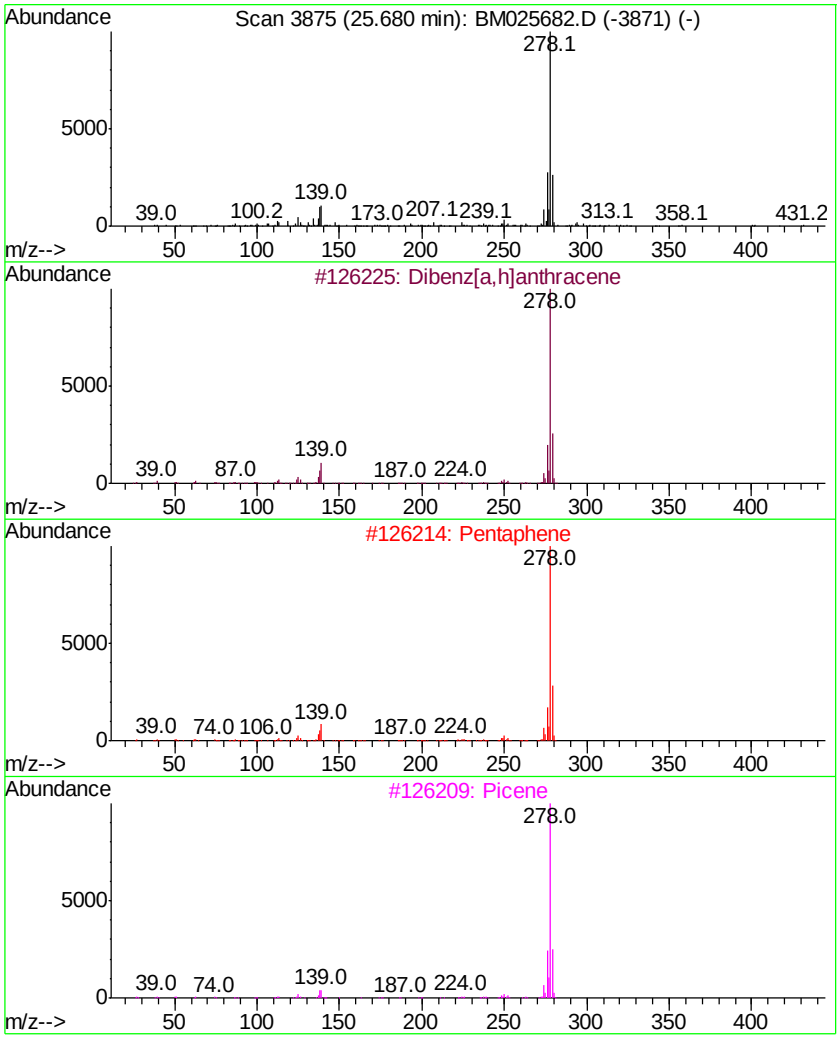
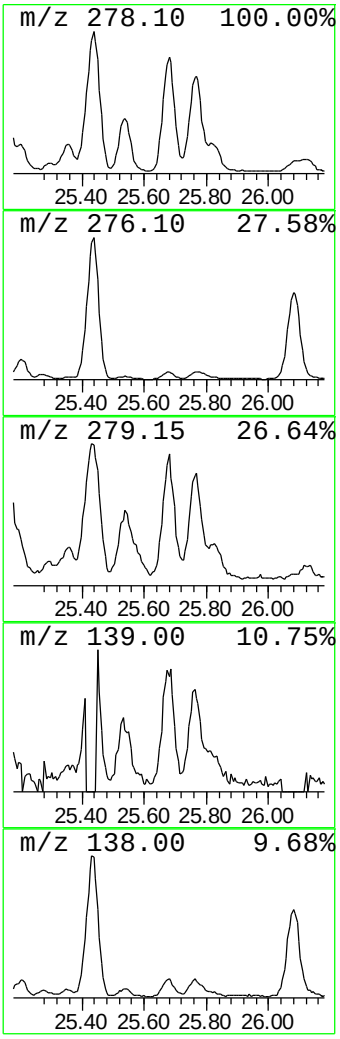
Peak Number 20 Pentaphene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.68	3.89 ng/ul	720139	Perylene-d12	23.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
2	Pentaphene	278	C22H14	000222-93-5	97
3	Picene	278	C22H14	000213-46-7	95
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
5	Picene	278	C22H14	000213-46-7	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032020\
Data File : BM025682.D
Acq On : 21 Mar 2020 04:34
Operator : CG/JU
Sample : L1972-02DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AG8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.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
Phenanthrene, 2-m...	17.83	2.9	ng/ul	419494	4	16.96	2904600	20.0
Phenanthrene, 1-m...	17.88	5.4	ng/ul	782169	4	16.96	2904600	20.0
1H-Cyclopropa[l]p...	17.96	2.1	ng/ul	304134	4	16.96	2904600	20.0
4H-Cyclopenta[def...	18.03	6.4	ng/ul	934761	4	16.96	2904600	20.0
Anthracene, 1-met...	18.06	2.2	ng/ul	319278	4	16.96	2904600	20.0
Naphthalene, 2-ph...	18.34	2.6	ng/ul	373458	4	16.96	2904600	20.0
Phenanthrene, 2,5...	18.76	4.8	ng/ul	691681	4	16.96	2904600	20.0
Pyrene, 4,5,9,10-...	18.82	2.7	ng/ul	388564	4	16.96	2904600	20.0
Cyclopenta(def)ph...	18.90	3.3	ng/ul	479407	4	16.96	2904600	20.0
Pyrene, 1-methyl-	19.72	2.0	ng/ul	1089110	5	21.15	10641400	20.0
11H-Benzo[a]fluorene	19.89	2.4	ng/ul	1275350	5	21.15	10641400	20.0
Pyrene, 4-methyl-	20.04	2.0	ng/ul	1084080	5	21.15	10641400	20.0
Benzo[b]naphtho[2...	20.80	2.1	ng/ul	1109470	5	21.15	10641400	20.0
(DEL) Alkane: Str...	20.89	3.0	ng/ul	1580460	5	21.15	10641400	20.0
Benz[a]anthracene...	21.69	2.8	ng/ul	1496630	5	21.15	10641400	20.0
Benzo[e]pyrene	22.83	8.5	ng/ul	1573030	6	23.30	3702480	20.0
Benzo(a)pyrene 4,...	22.96	2.5	ng/ul	453103	6	23.30	3702480	20.0
Perylene, 3-methyl-	23.93	3.0	ng/ul	552282	6	23.30	3702480	20.0
3,4-Dibromobenzal...	24.13	2.4	ng/ul	446188	6	23.30	3702480	20.0
Pentaphene	25.68	3.9	ng/ul	720139	6	23.30	3702480	20.0