LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
Data File : BM025674.D
Acq On : 20 Mar 2020 23:07
Operator : CG/JU
Sample : L1972-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AH3

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	6.763	648	659	674	rBV	722759	1200353	5.98%	0.517%
2	6.922	680	686	698	rVB	548249	811904	4.04%	0.349%
3	7.116	712	719	729	rBV	755201	1154027	5.75%	0.497%
4	7.575	791	797	806	rBV	662334	1024032	5.10%	0.441%
5	8.281	911	917	926	rBV	890094	1395412	6.95%	0.600%
6	8.716	981	991	999	rBV	688527	1101185	5.49%	0.474%
7	9.434	1107	1113	1123	rBV	570287	904308	4.50%	0.389%
8	9.969	1198	1204	1216	rVB	979610	1556461	7.75%	0.670%
9	10.345	1261	1268	1273	rBV	945999	1559482	7.77%	0.671%
10	10.481	1284	1291	1305	rBV	709240	1223146	6.09%	0.526%
11	13.633	1822	1827	1831	rVV	1647706	2202932	10.97%	0.948%
12	13.675	1831	1834	1843	rVV2	207206	331887	1.65%	0.143%
13	13.904	1865	1873	1877	rBV	1968324	3116105	15.52%	1.341%
14	13.933	1877	1878	1887	rVB	650457	587844	2.93%	0.253%
15	14.216	1919	1926	1932	rBV	1485258	2139484	10.66%	0.921%
16	14.280	1932	1937	1946	rVB	380782	562274	2.80%	0.242%
17	14.422	1954	1961	1971	rBV	726578	1107416	5.52%	0.477%
18	14.616	1989	1994	2004	rVB3	180859	331668	1.65%	0.143%
19	15.216	2089	2096	2101	rBV	2411303	3399637	16.93%	1.463%
20	15.269	2101	2105	2112	rVB	443535	623036	3.10%	0.268%
21	15.339	2112	2117	2123	rBV	461724	656849	3.27%	0.283%
22	15.710	2167	2180	2188	rVB2	167124	434603	2.16%	0.187%
23	16.274	2266	2276	2281	rBV4	161438	427119	2.13%	0.184%
24	16.616	2330	2334	2342	rVB2	265403	446812	2.23%	0.192%
25	16.780	2355	2362	2366	rBV	281646	432356	2.15%	0.186%
26	16.963	2387	2393	2396	rBV	1675549	2414621	12.03%	1.039%
27	17.004	2396	2400	2405	rVV	7251643	10098995	50.30%	4.346%
28	17.063	2405	2410	2413	rVV	2637878	3852390	19.19%	1.658%
29	17.092	2413	2415	2421	rVB	1749064	2068537	10.30%	0.890%
30	17.363	2458	2461	2466	rVB	300392	389950	1.94%	0.168%
31	17.539	2487	2491	2498	rVB2	236014	351449	1.75%	0.151%
32	17.839	2536	2542	2546	rVV	1158011	1698295	8.46%	0.731%
33	17.886	2546	2550	2557	rVB	1876888	2518233	12.54%	1.084%
34	17.962	2558	2563	2568	rBV	470334	688131	3.43%	0.296%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1972-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AH3

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	18.027	2568	2574	2578	rVV2	1862205	3119571	15.54%	1.342%
36	18.068	2578	2581	2586	rVB	928269	1167555	5.82%	0.502%
37	18.345	2623	2628	2631	rVV	845238	1206205	6.01%	0.519%
38	18.380	2631	2634	2641	rVB2	758450	1011105	5.04%	0.435%
39	18.592	2667	2670	2674	rVV	341296	474168	2.36%	0.204%
40	18.645	2675	2679	2682	rVV	361797	530146	2.64%	0.228%
41	18.680	2682	2685	2689	rVB	305606	390363	1.94%	0.168%
42	18.762	2694	2699	2704	rVV	939482	1518322	7.56%	0.653%
43	18.827	2704	2710	2713	rVV2	564734	1058822	5.27%	0.456%
44	18.857	2713	2715	2718	rVV	320219	354585	1.77%	0.153%
45	18.904	2718	2723	2731	rVB3	718803	1252436	6.24%	0.539%
46	19.033	2736	2745	2750	rVV	14885056	20075798	100.00%	8.639%
47	19.098	2752	2756	2758	rVV	263855	411243	2.05%	0.177%
48	19.127	2758	2761	2765	rVV3	331672	538003	2.68%	0.232%
49	19.174	2765	2769	2773	rVV	624511	835119	4.16%	0.359%
50	19.227	2773	2778	2781	rVV2	350961	647612	3.23%	0.279%
51	19.268	2781	2785	2795	rVV2	483516	1166997	5.81%	0.502%
52	19.362	2795	2801	2803	rVV2	4739557	7114718	35.44%	3.062%
53	19.392	2803	2806	2814	rVV	12654053	16921054	84.29%	7.281%
54	19.462	2814	2818	2825	rVB2	476593	969772	4.83%	0.417%
55	19.568	2832	2836	2842	rBV	593248	807937	4.02%	0.348%
56	19.627	2842	2846	2853	rVB	614859	995777	4.96%	0.428%
57	19.721	2855	2862	2867	rBV3	839399	1983014	9.88%	0.853%
58	19.856	2880	2885	2887	rVV3	721510	1222427	6.09%	0.526%
59	19.886	2887	2890	2895	rVB	1612367	2296973	11.44%	0.988%
60	19.945	2895	2900	2903	rBV4	200412	377035	1.88%	0.162%
61	19.992	2904	2908	2911	rBV2	1001176	1200082	5.98%	0.516%
62	20.045	2912	2917	2922	rVV2	1170452	1678734	8.36%	0.722%
63	20.133	2928	2932	2937	rBV4	277703	499468	2.49%	0.215%
64	20.186	2937	2941	2945	rVV	767977	939152	4.68%	0.404%
65	20.233	2945	2949	2953	rVB	700936	962090	4.79%	0.414%
66	20.345	2966	2968	2973	rVB3	209530	322888	1.61%	0.139%
67	20.445	2982	2985	2987	rBV3	287998	355795	1.77%	0.153%
68	20.633	3014	3017	3025	rVB	1034608	1610164	8.02%	0.693%
69	20.803	3039	3046	3049	rBV2	1035823	1995268	9.94%	0.859%
70	20.839	3049	3052	3055	rVV	1087407	1305075	6.50%	0.562%
71	20.892	3055	3061	3065	rVV2	1193839	2709713	13.50%	1.166%

LSC Area Percent Report

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Sample : L1972-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AH3

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	20.933	3065	3068	3080	rVB	1224792	1792943	8.93%	0.772%
73	21.039	3084	3086	3094	rVB3	251925	453845	2.26%	0.195%
74	21.109	3095	3098	3099	rBV	379652	381301	1.90%	0.164%
75	21.145	3099	3104	3109	rVV3	8446733	13972404	69.60%	6.012%
76	21.192	3109	3112	3120	rVV	6610525	8745898	43.56%	3.763%
77	21.309	3128	3132	3136	rVV	1050881	1439707	7.17%	0.620%
78	21.351	3137	3139	3146	rVV4	571966	1150526	5.73%	0.495%
79	21.409	3147	3149	3154	rVB2	500613	615390	3.07%	0.265%
80	21.462	3154	3158	3163	rBV2	856420	1373893	6.84%	0.591%
81	21.645	3186	3189	3191	rBV	362873	413807	2.06%	0.178%
82	21.698	3192	3198	3202	rVV	1340295	2014816	10.04%	0.867%
83	21.750	3203	3207	3213	rVB3	726069	1330906	6.63%	0.573%
84	21.839	3220	3222	3226	rVB	387609	440760	2.20%	0.190%
85	21.886	3226	3230	3232	rVV	732018	968773	4.83%	0.417%
86	21.915	3232	3235	3240	rVB4	745634	1035700	5.16%	0.446%
87	21.980	3242	3246	3251	rBV3	417581	647478	3.23%	0.279%
88	22.680	3358	3365	3380	rBV	5909547	18372771	91.52%	7.906%
89	22.839	3387	3392	3402	rVB	1169998	1901569	9.47%	0.818%
90	22.962	3409	3413	3421	rBV5	344294	1014865	5.06%	0.437%
91	23.133	3436	3442	3446	rBV	3127978	5702916	28.41%	2.454%
92	23.180	3446	3450	3453	rVV	2291932	3930201	19.58%	1.691%
93	23.227	3453	3458	3465	rVB	5670019	9469478	47.17%	4.075%
94	23.309	3466	3472	3476	rBV	1534606	2987913	14.88%	1.286%
95	23.356	3476	3480	3488	rVB2	1497143	2964468	14.77%	1.276%
96	23.933	3575	3578	3585	rVB3	313764	630537	3.14%	0.271%
97	24.133	3608	3612	3618	rVB2	352426	611246	3.04%	0.263%
98	25.444	3827	3835	3844	rVB	2814523	7528265	37.50%	3.239%
99	25.686	3872	3876	3884	rVB	451660	971682	4.84%	0.418%
100	26.097	3936	3946	3960	rBV	1589708	4691625	23.37%	2.019%

Sum of corrected areas: 232391802

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
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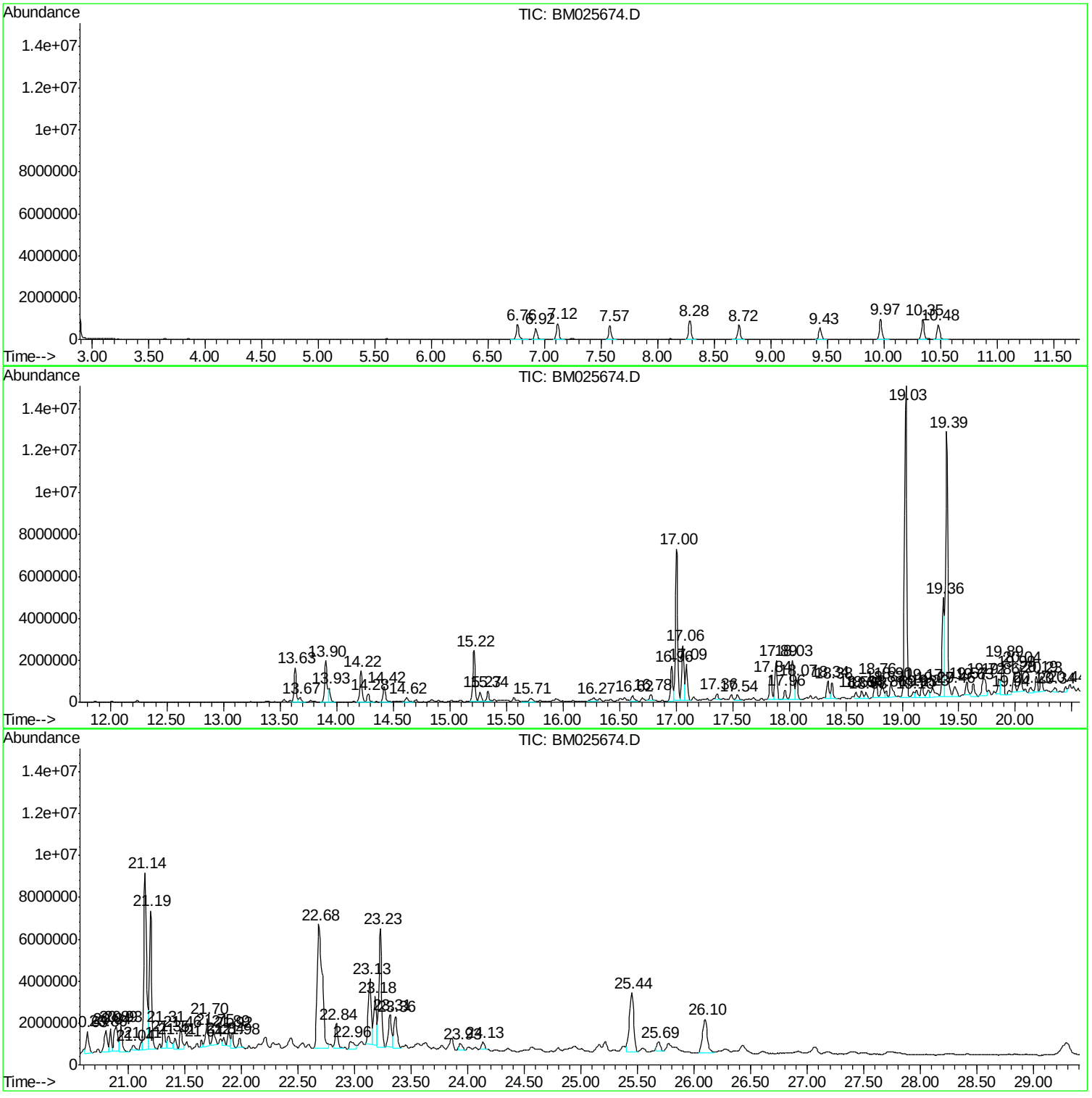
Acq On : 20 Mar 2020 23:07
Operator : CG/JU
Sample : L1972-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AH3

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
Data File : BM025674.D
Acq On : 20 Mar 2020 23:07
Operator : CG/JU
Sample : L1972-06
Misc :
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Instrument : BNA_M
ClientSampleId : B0AH3

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

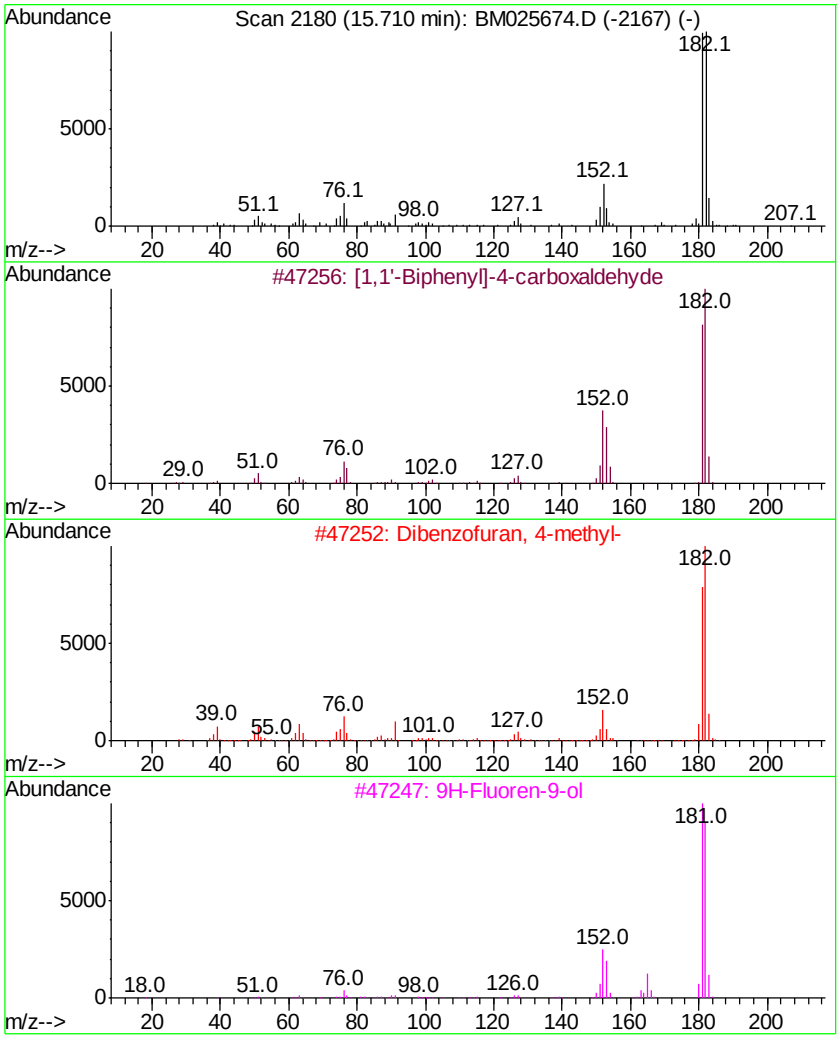
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

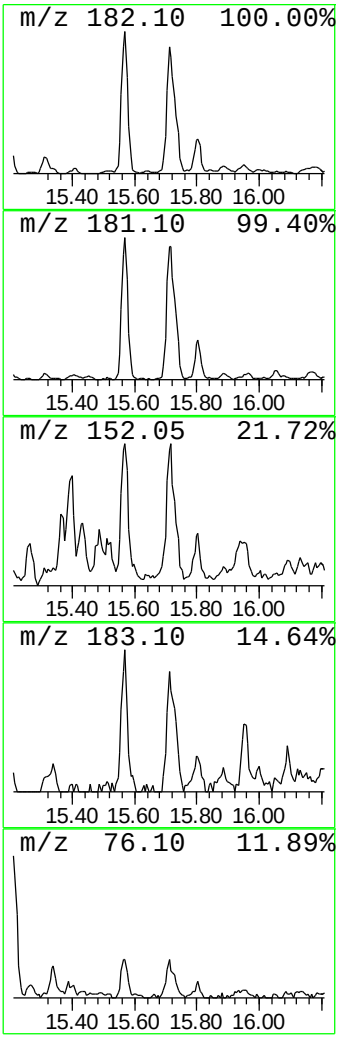
****

Peak Number 1 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	3.60 ng/ul	434603	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
Data File : BM025674.D
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Operator : CG/JU
Sample : L1972-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AH3

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

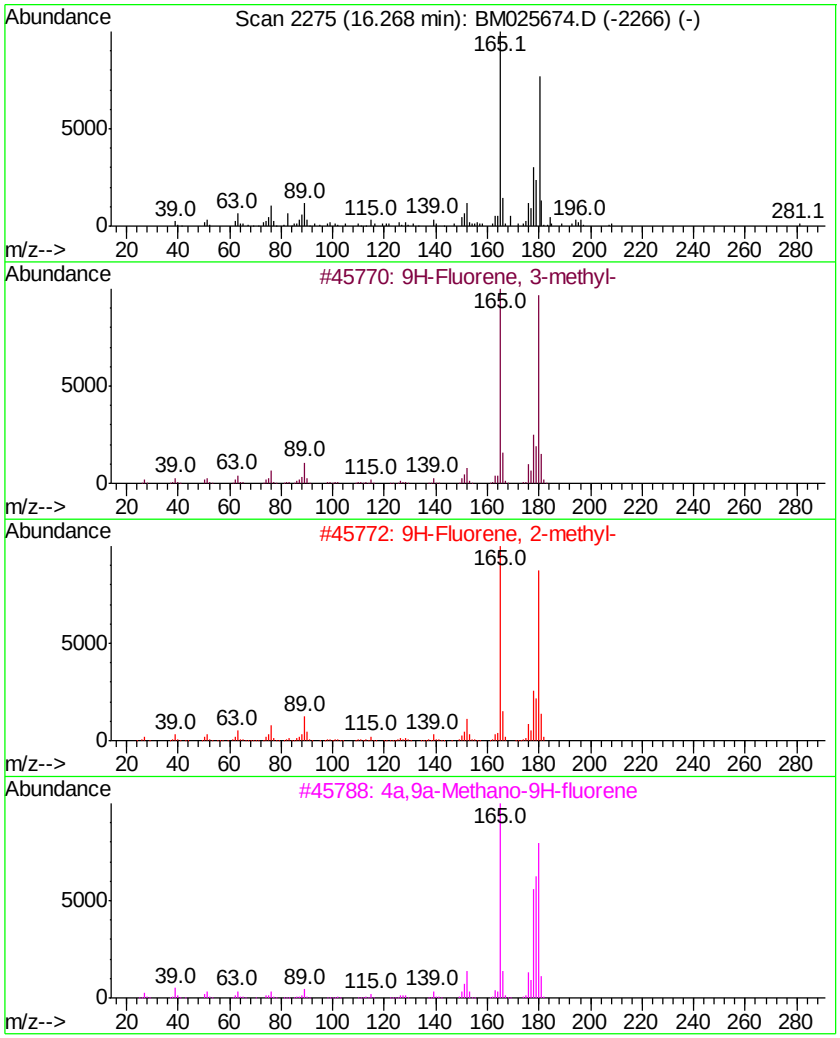
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

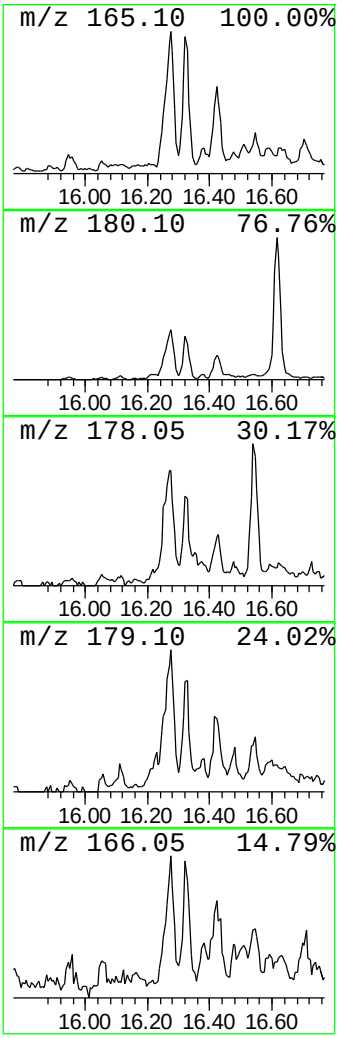
****

Peak Number 2 9H-Fluorene, 3-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	3.54 ng/ul	427119	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	93
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90





Library Search Compound Report

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

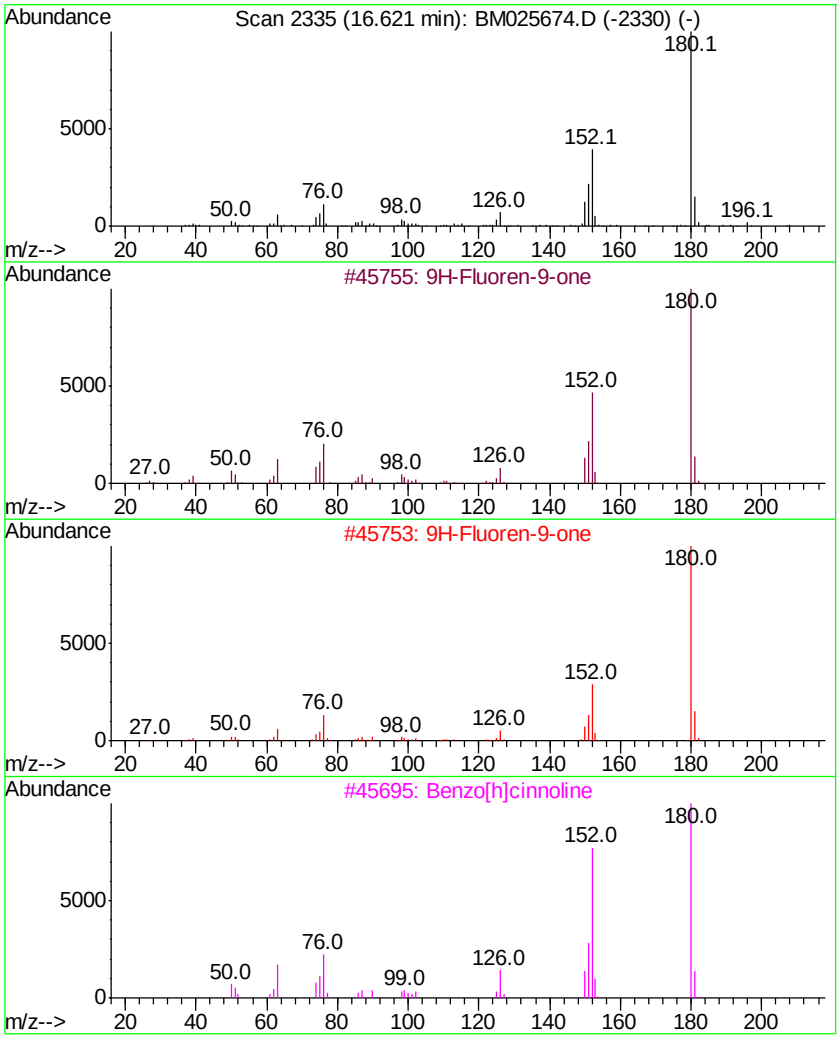
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

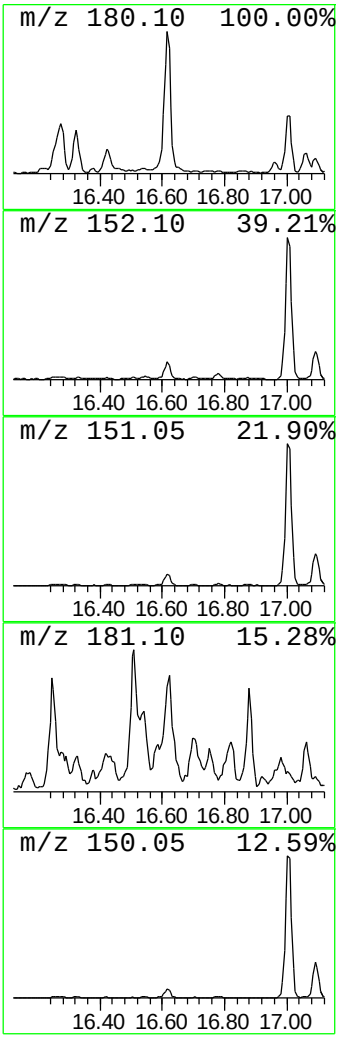
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	3.70 ng/ul	446812	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64





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Data File : BM025674.D
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Sample : L1972-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AH3

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

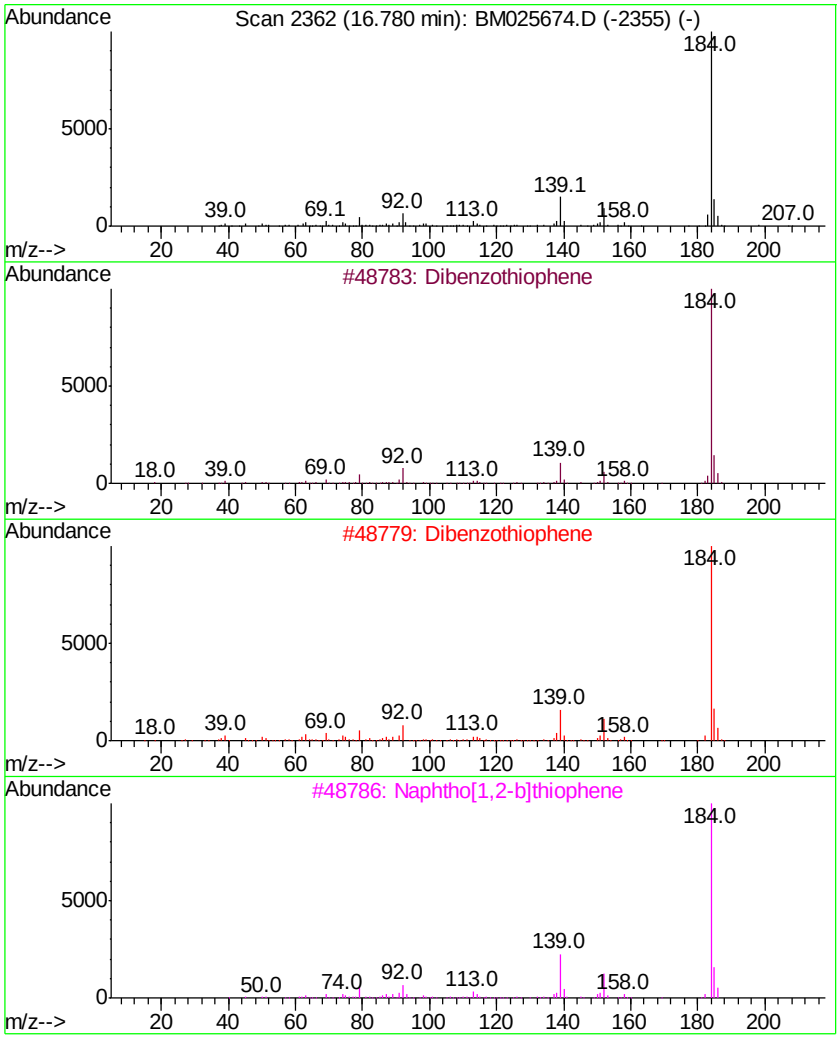
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

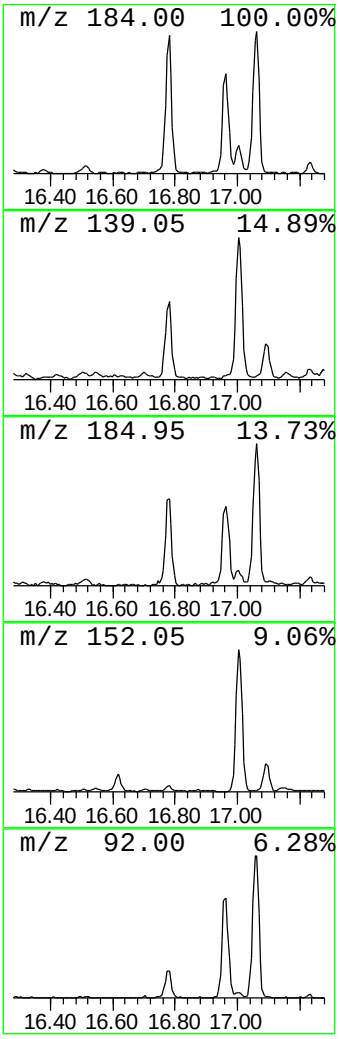
****

Peak Number 4 Dibenzothiophene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	3.58 ng/ul	432356	Phenanthrene-d10	16.96

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





Library Search Compound Report

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Sample : L1972-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AH3

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

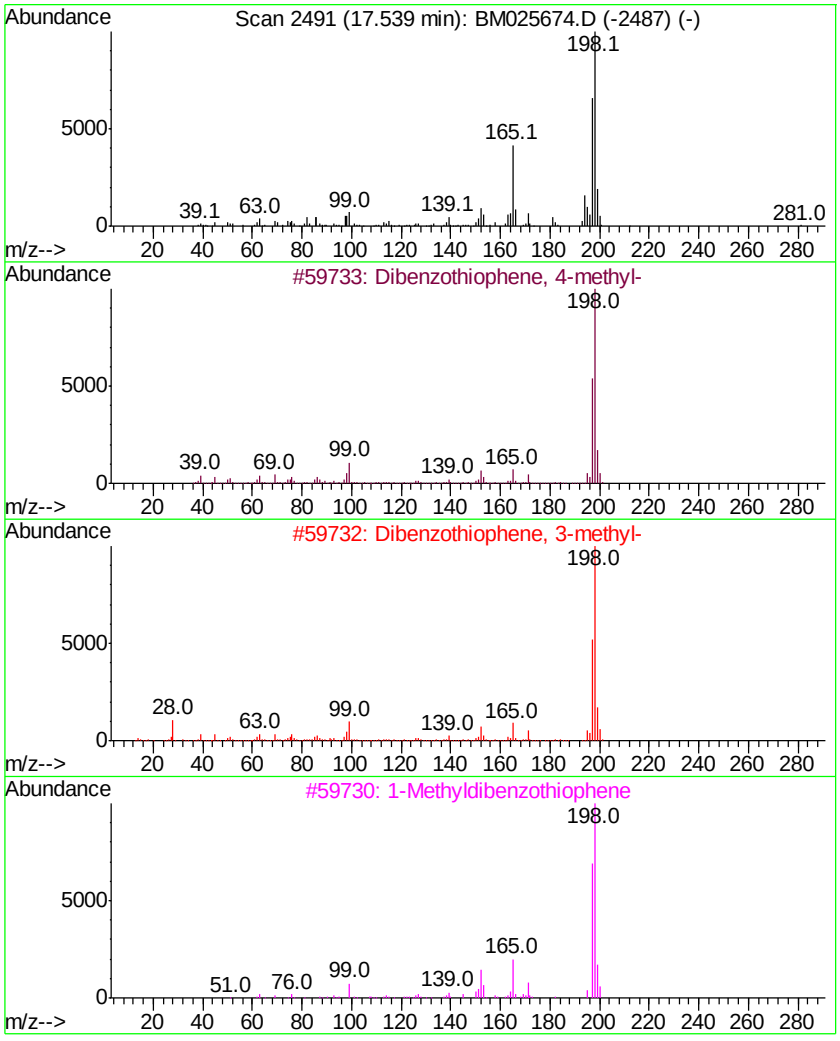
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

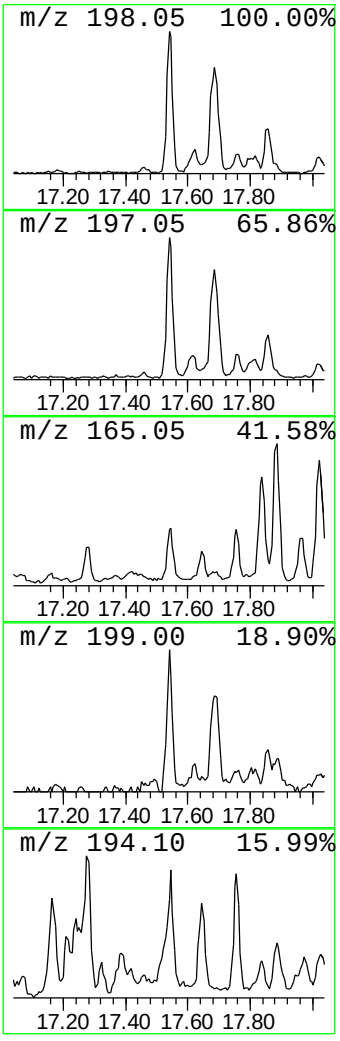
****

Peak Number 5 Dibenzothiophene, 4-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	2.91 ng/ul	351449	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	89
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	89
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	64
4	Thioxanthene	198	C13H10S	000261-31-4	58
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	58





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Acq On : 20 Mar 2020 23:07
Operator : CG/JU
Sample : L1972-06
Misc :
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Instrument : BNA_M
ClientSampleId : B0AH3

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Quant Title : SVOA CALIBRATION

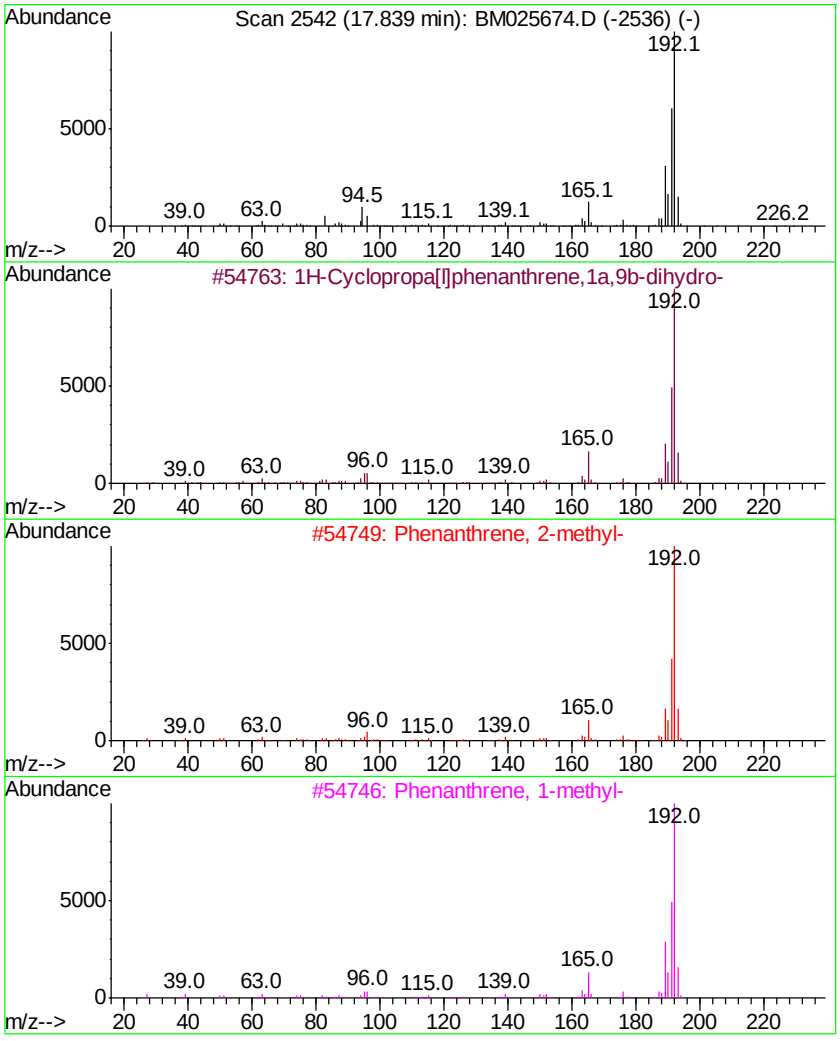
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

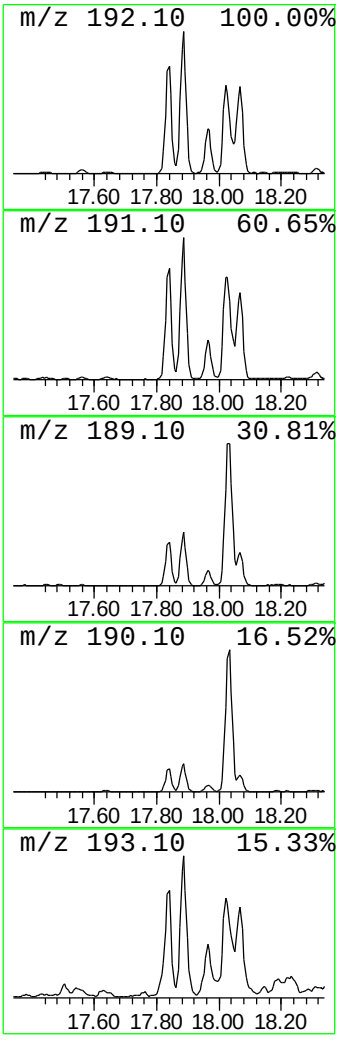
****

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	14.07 ng/ul	1698300	Phenanthrene-d10	16.96

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





Library Search Compound Report

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ClientSampleId : B0AH3

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Quant Title : SVOA CALIBRATION

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

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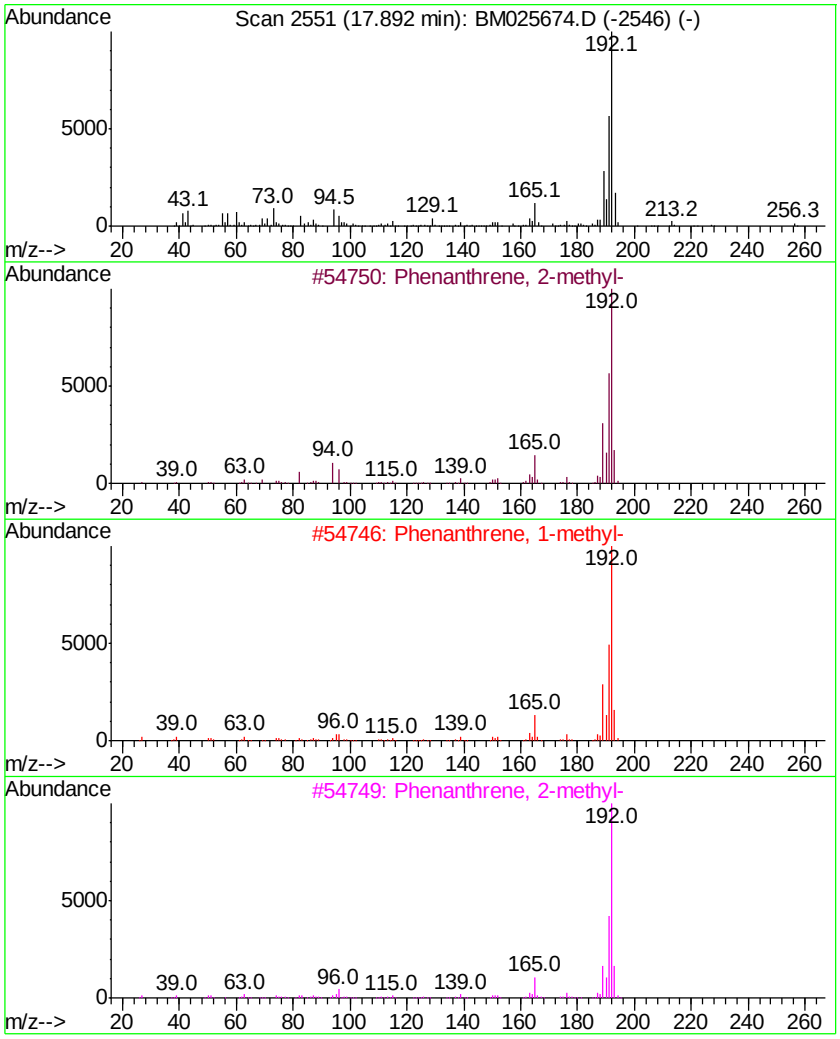
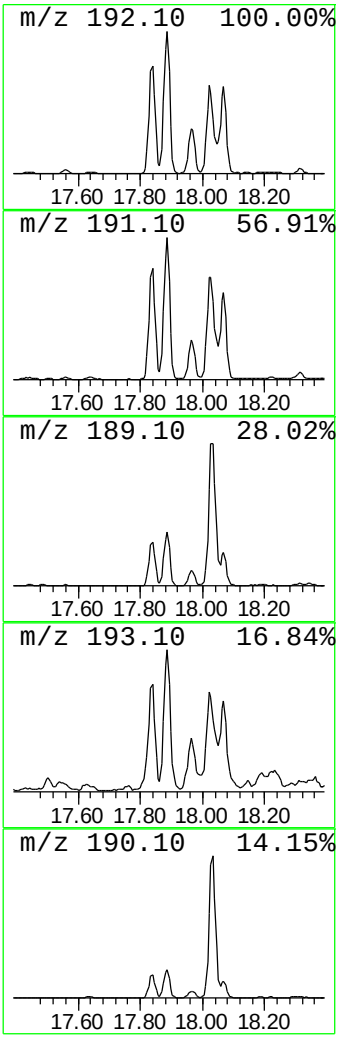
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	20.86 ng/ul	2518230	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Instrument : BNA_M
ClientSampleId : B0AH3

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Quant Title : SVOA CALIBRATION

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

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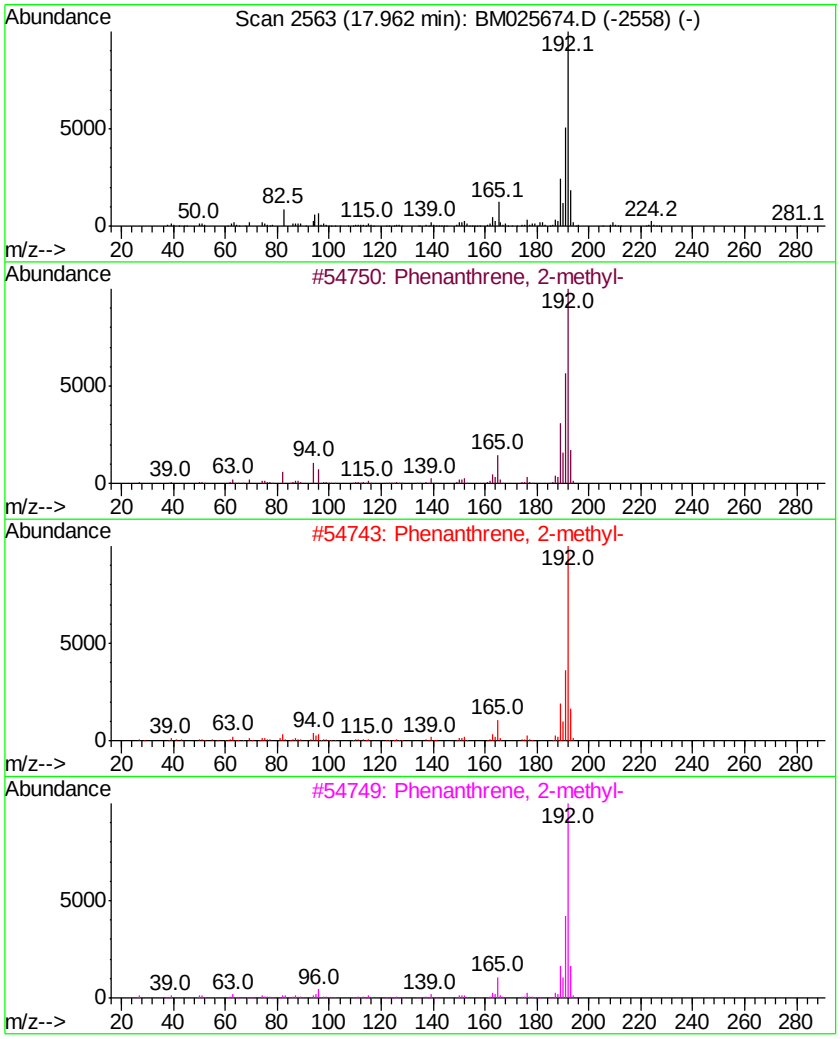
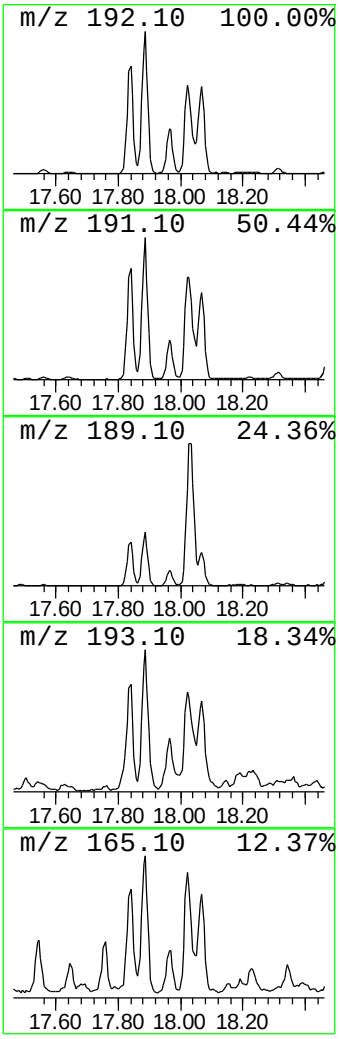
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	5.70 ng/ul	688131	Phenanthrene-d10	16.96

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	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





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Instrument : BNA_M
ClientSampleId : B0AH3

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Quant Title : SVOA CALIBRATION

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

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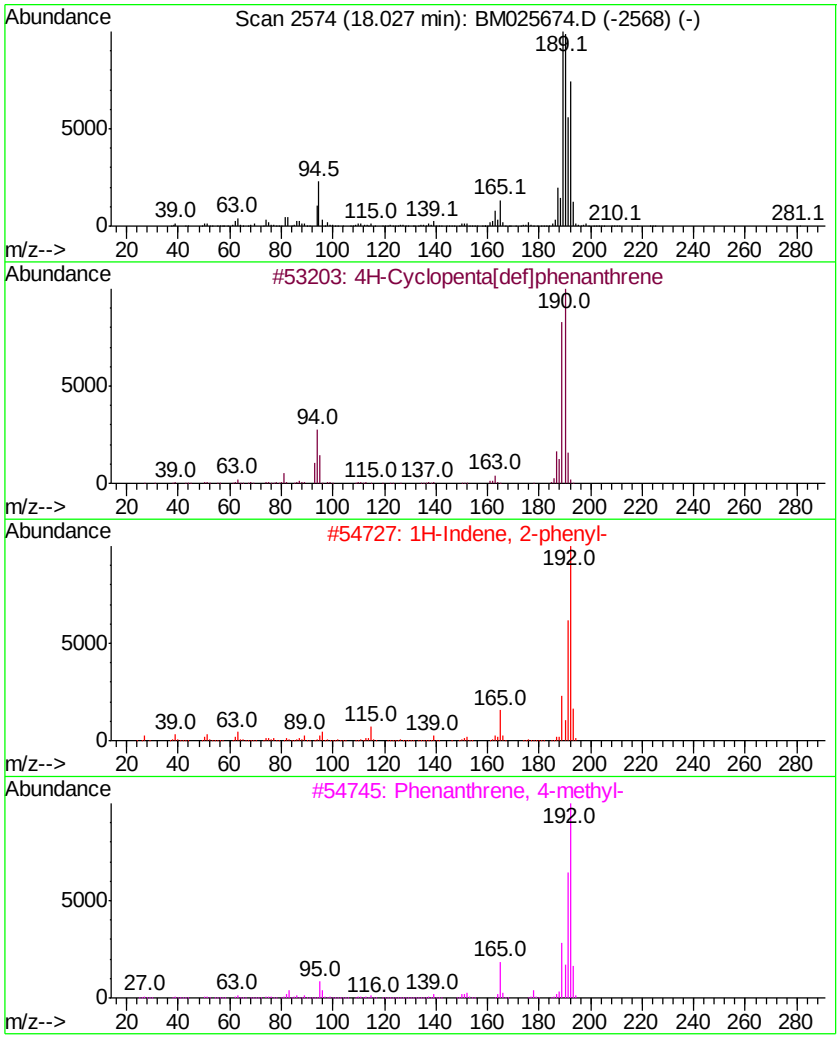
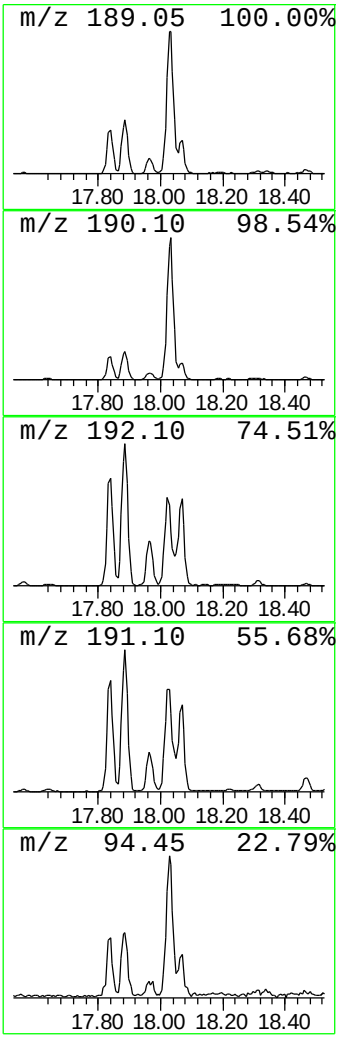
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	25.84 ng/ul	3119570	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38





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Quant Title : SVOA CALIBRATION

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

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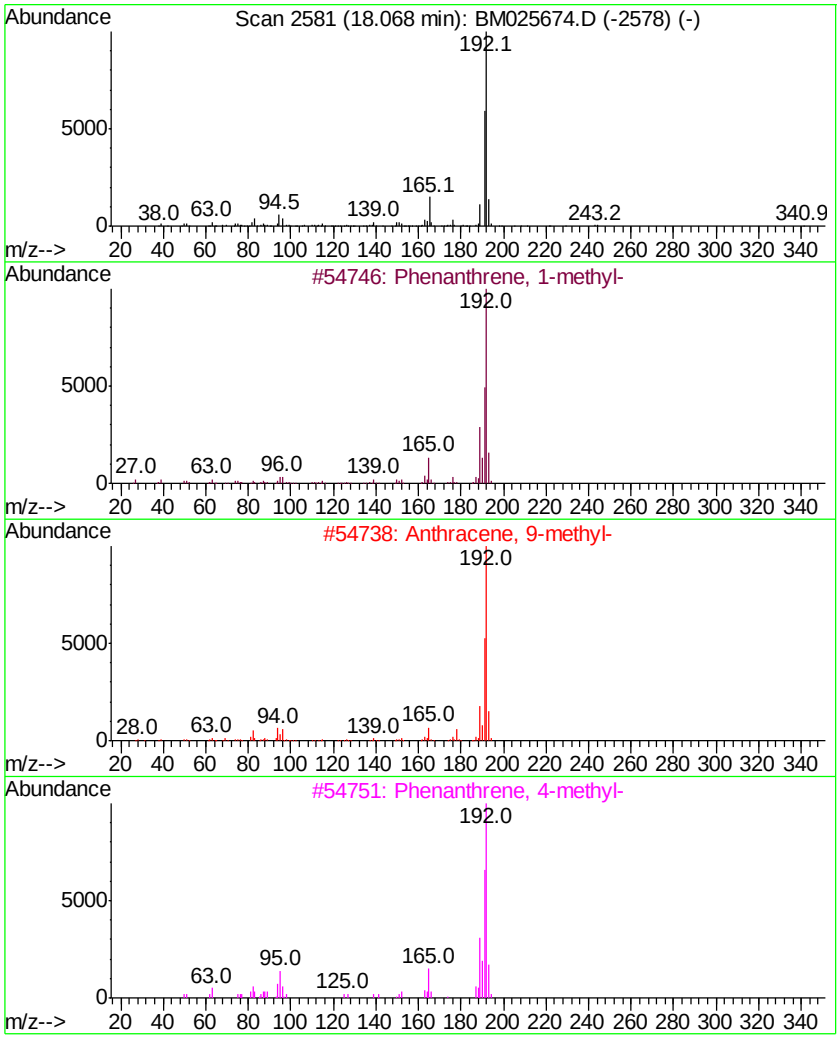
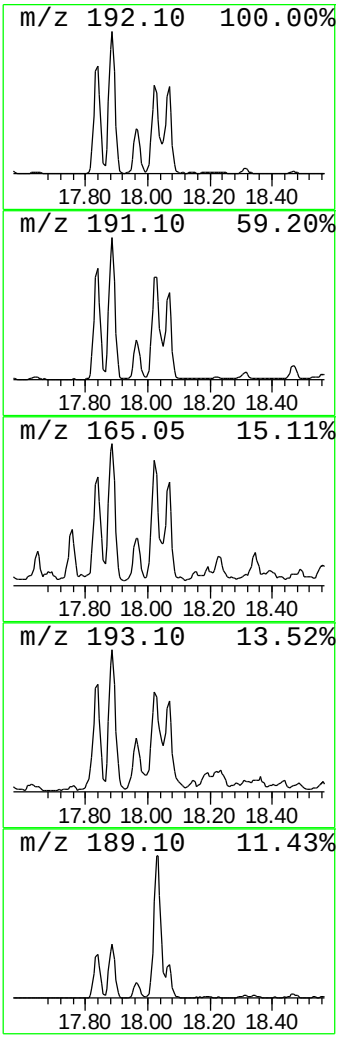
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	9.67 ng/ul	1167560	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Instrument : BNA_M
ClientSampleId : B0AH3

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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 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	9.99 ng/ul	1206210	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
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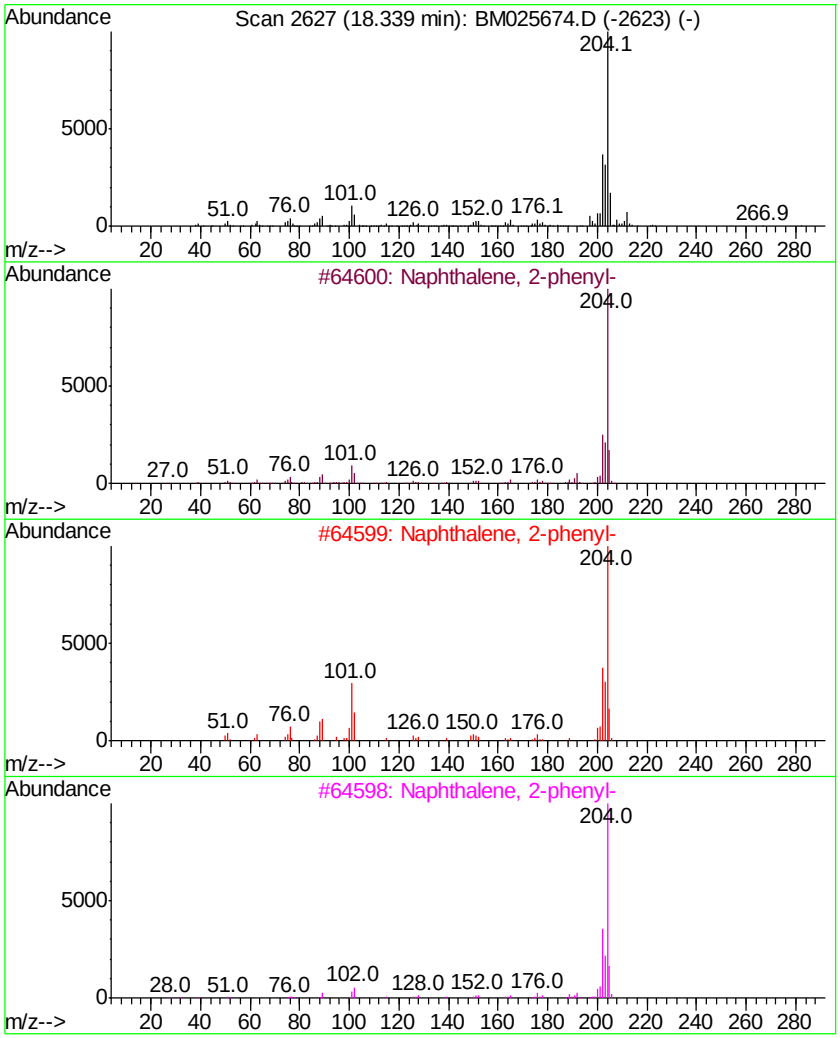

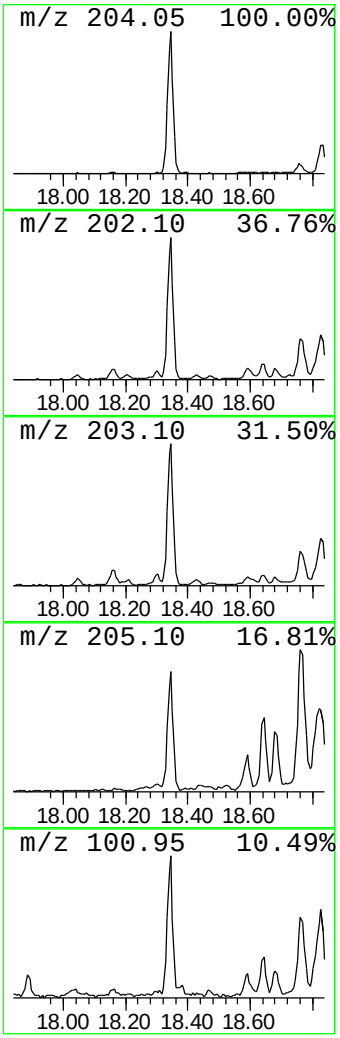

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ClientSampleId : B0AH3

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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 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	8.37 ng/ul	1011110	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
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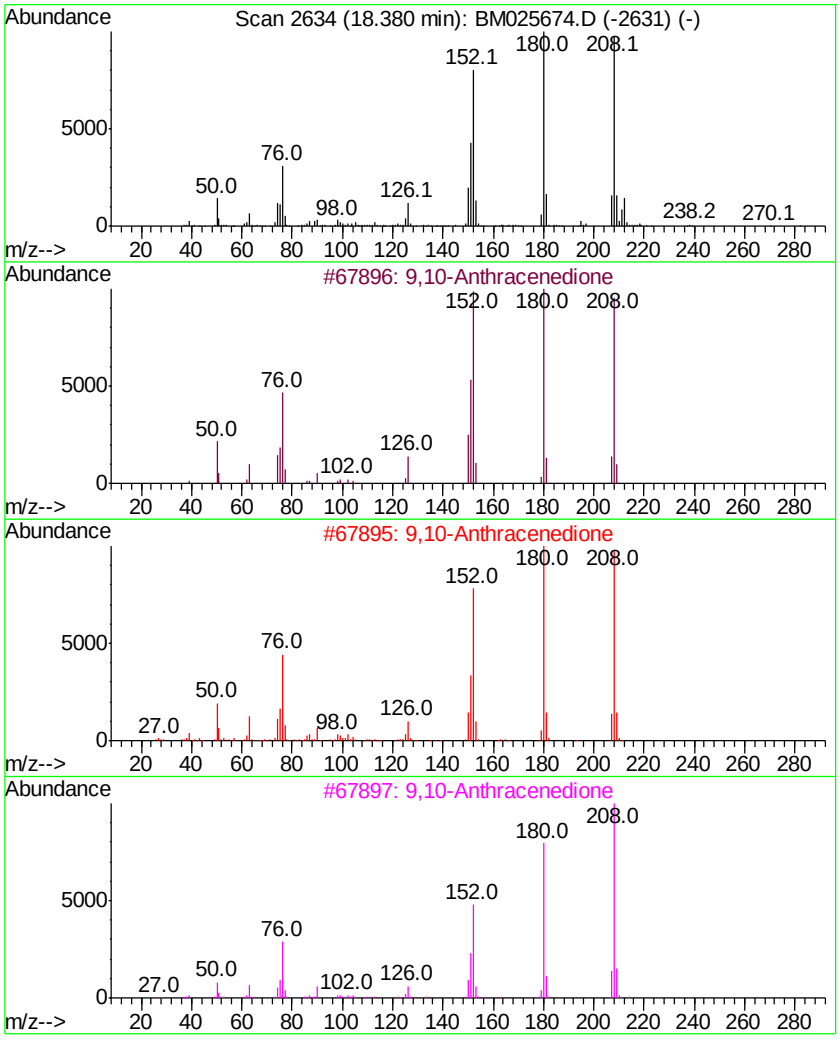

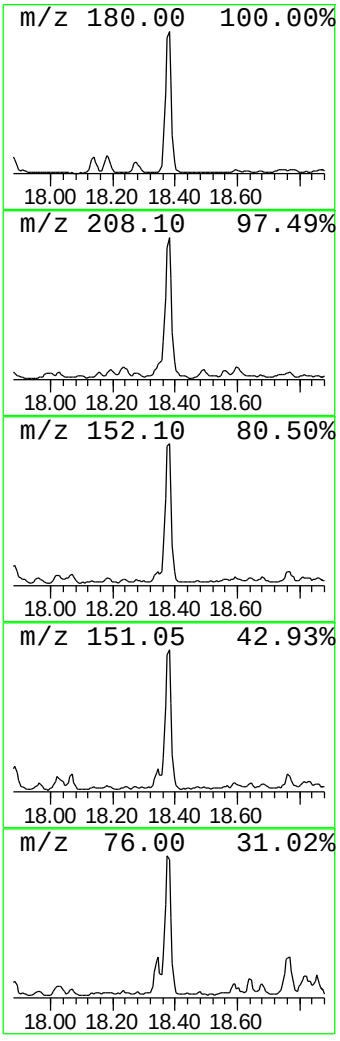

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Quant Title : SVOA CALIBRATION

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

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Peak Number 13 Phenanthrene, 4,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	3.93 ng/ul	474168	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
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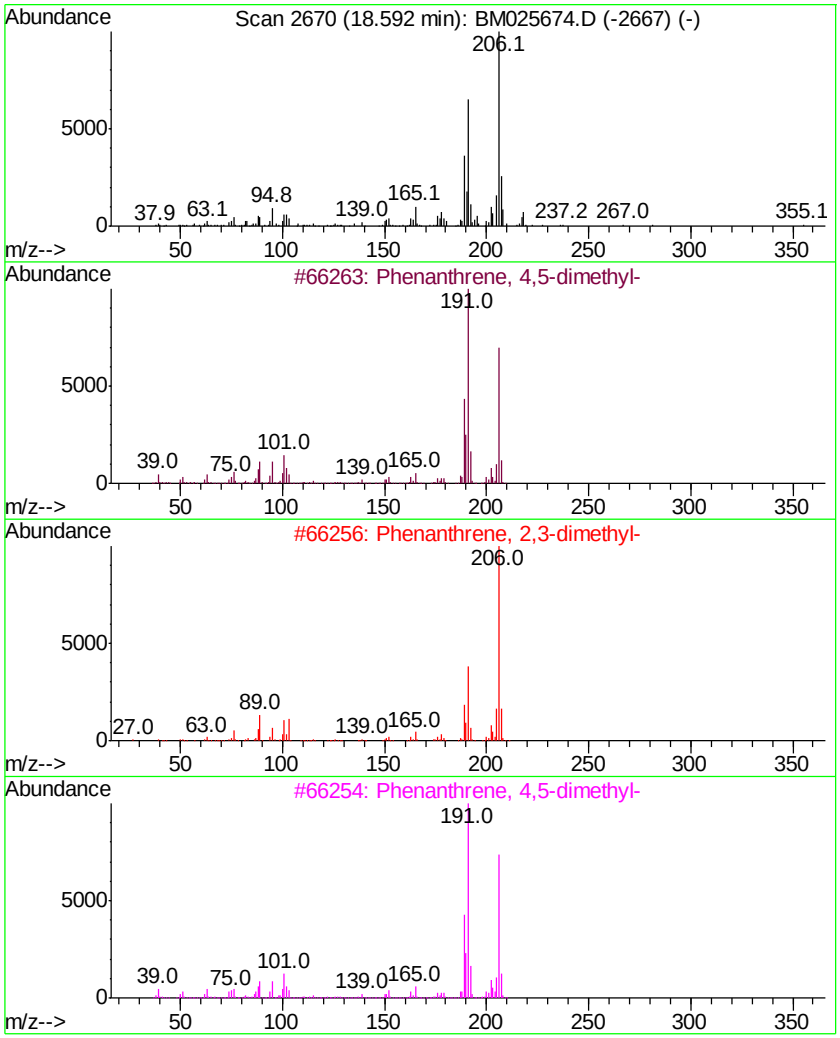

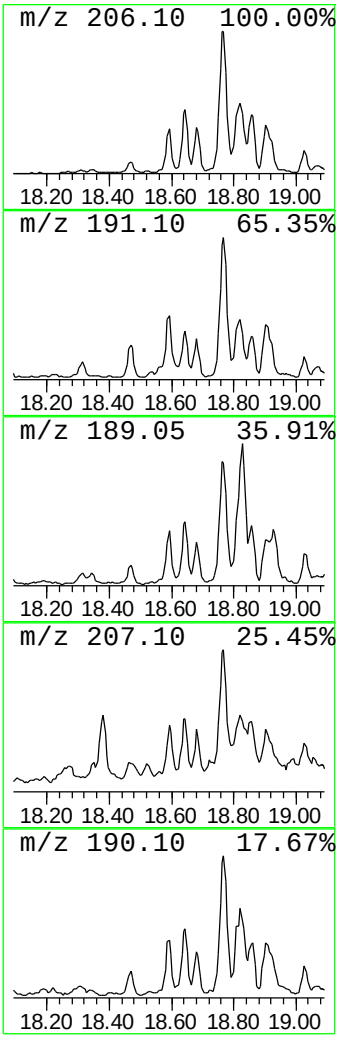

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Sample : L1972-06
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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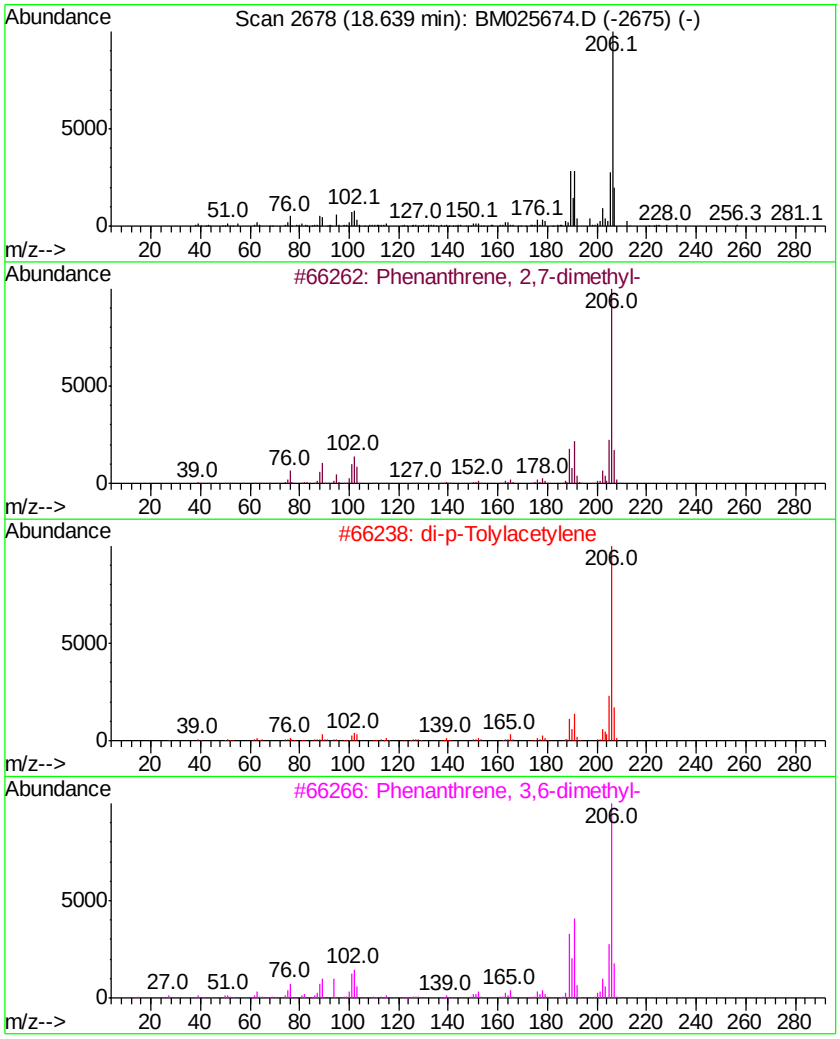
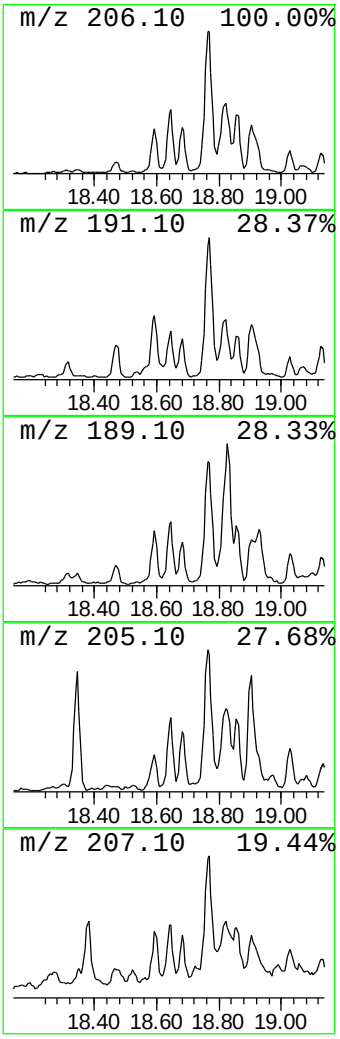
Peak Number 14 Phenanthrene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	4.39 ng/ul	530146	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Misc :
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Instrument : BNA_M
ClientSampleId : B0AH3

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Quant Title : SVOA CALIBRATION

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

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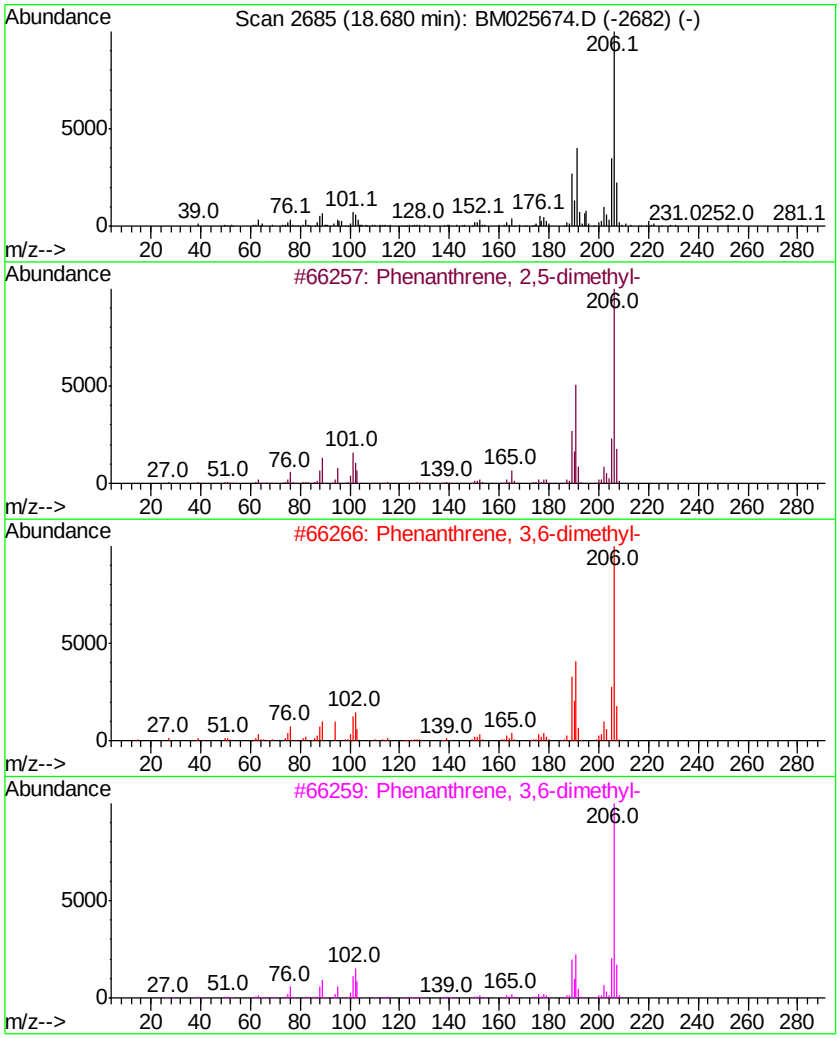
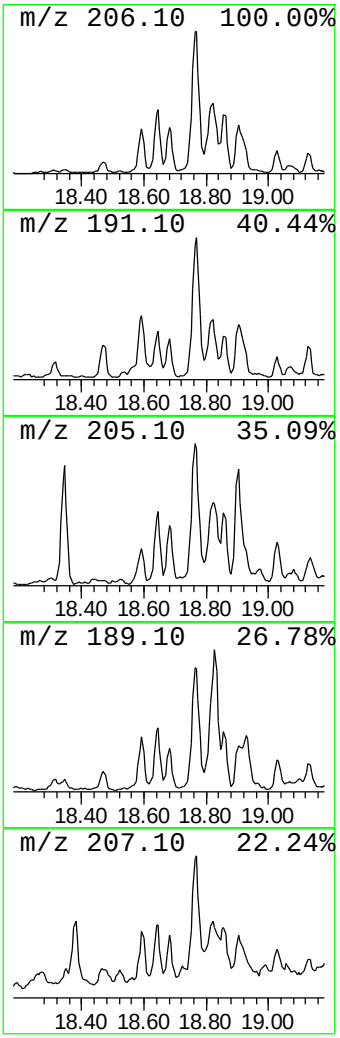
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	3.23 ng/ul	390363	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Quant Title : SVOA CALIBRATION

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

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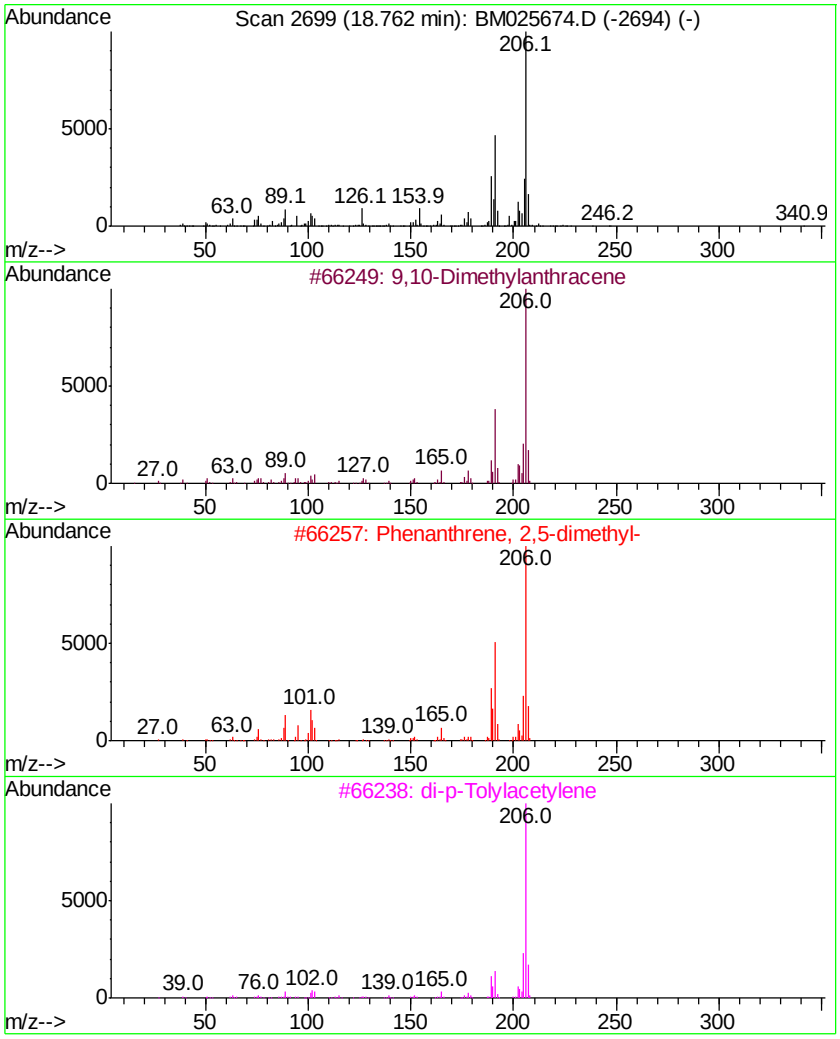
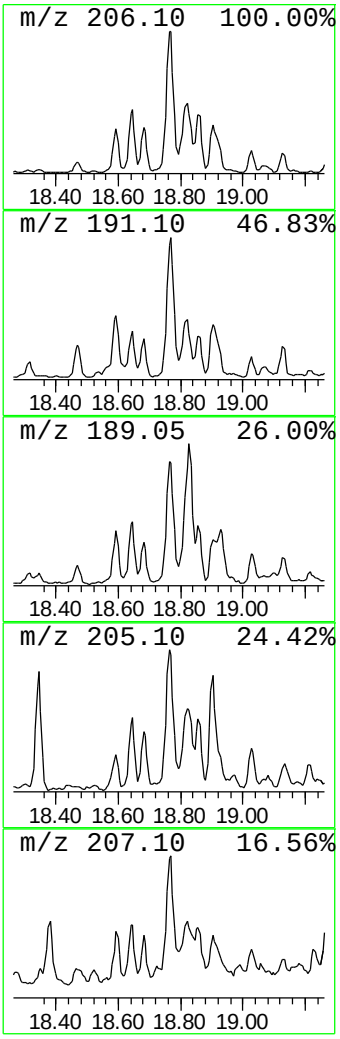
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	12.58 ng/ul	1518320	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86





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Quant Title : SVOA CALIBRATION

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

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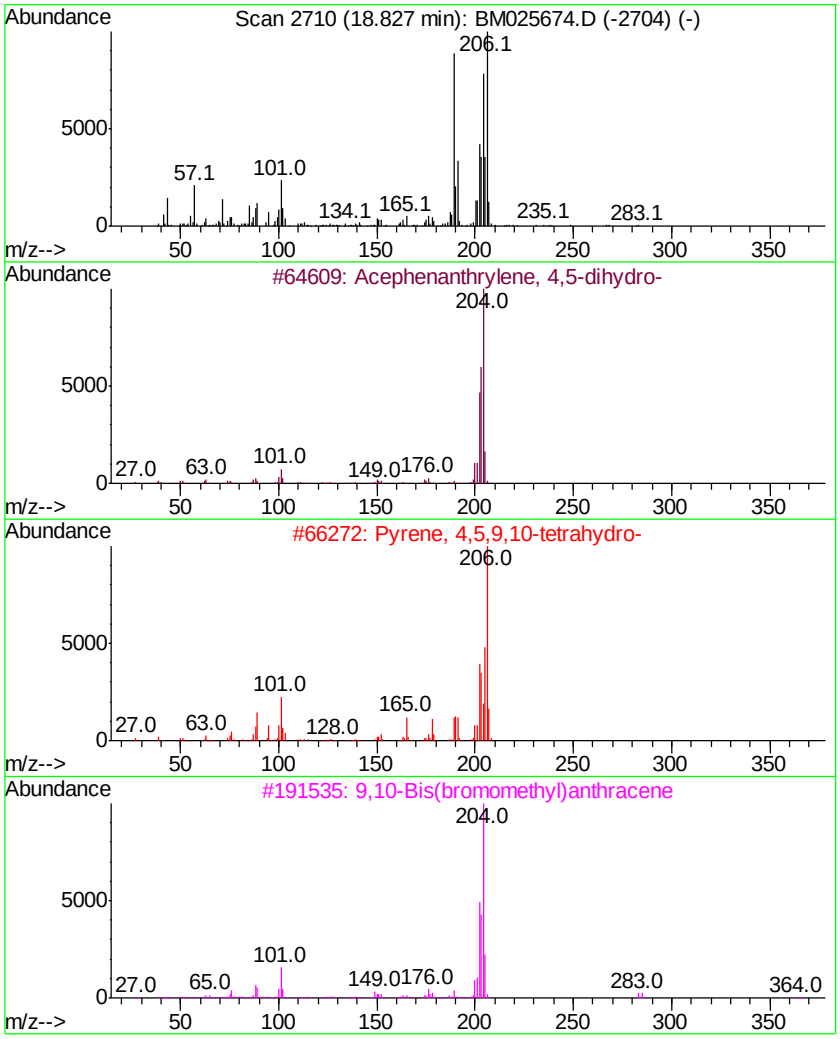
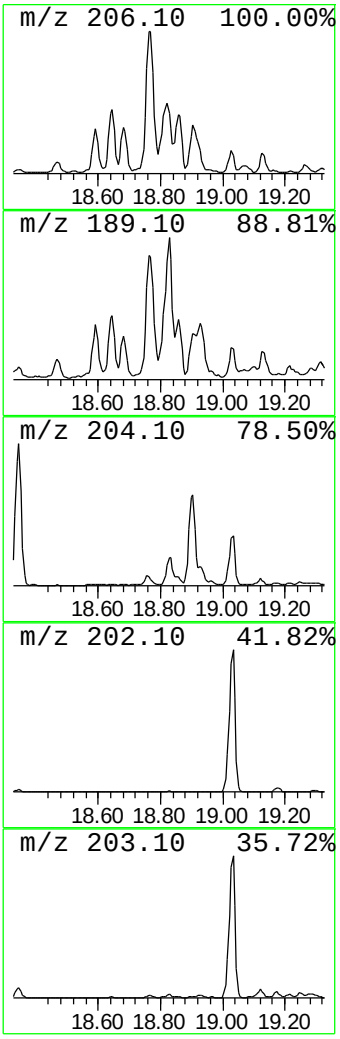
Peak Number 17 Acephenanthrylene, 4,5-dihy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	8.77 ng/ul	1058820	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	66
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	52
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	38
5	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38





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Sample : L1972-06
Misc :
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ClientSampleId : B0AH3

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Quant Title : SVOA CALIBRATION

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

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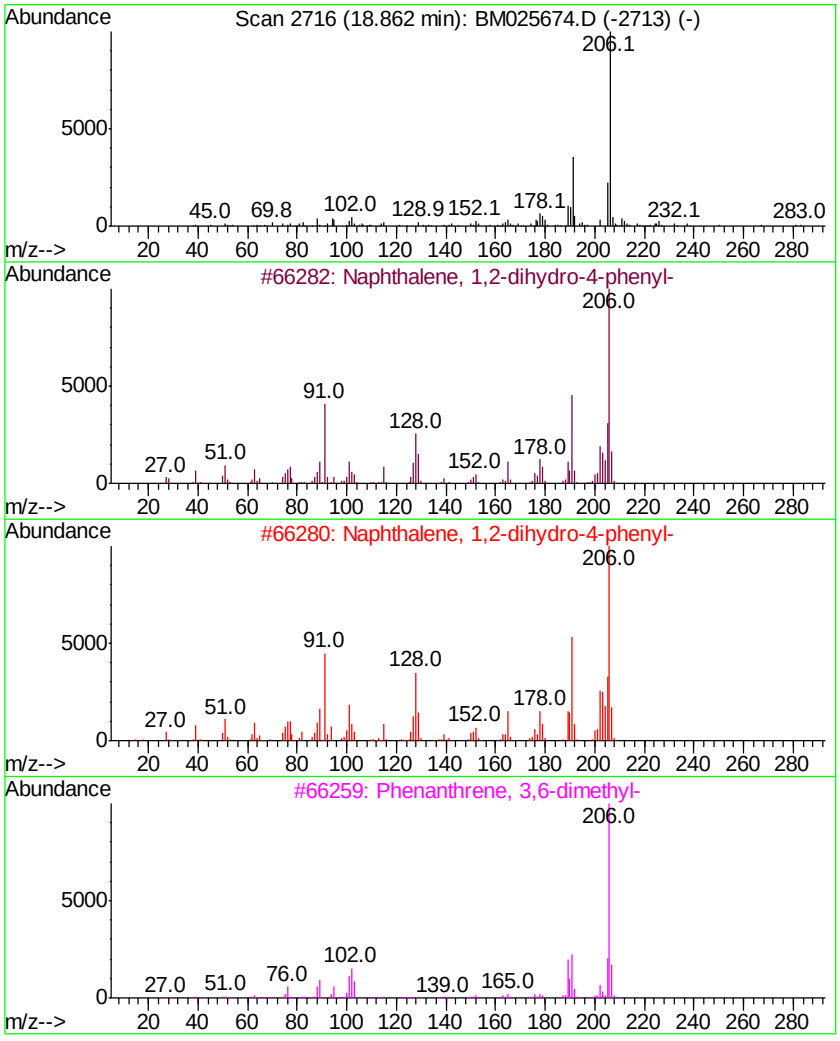
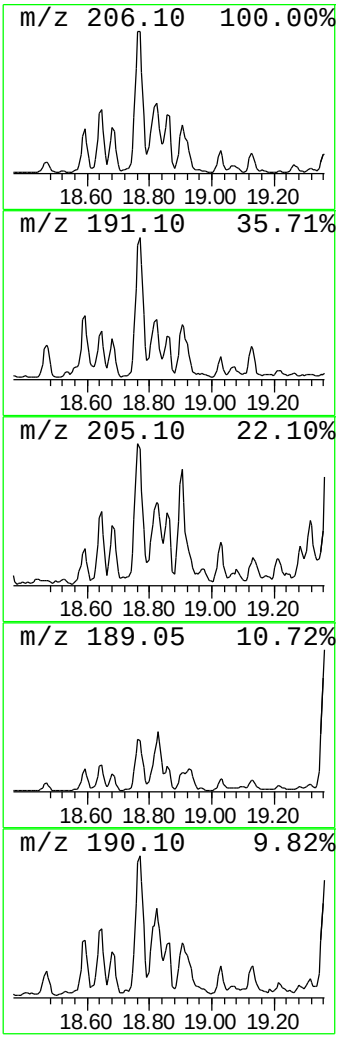
Peak Number 18 Naphthalene, 1,2-dihydro-4-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.94 ng/ul	354585	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	83





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Quant Title : SVOA CALIBRATION

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

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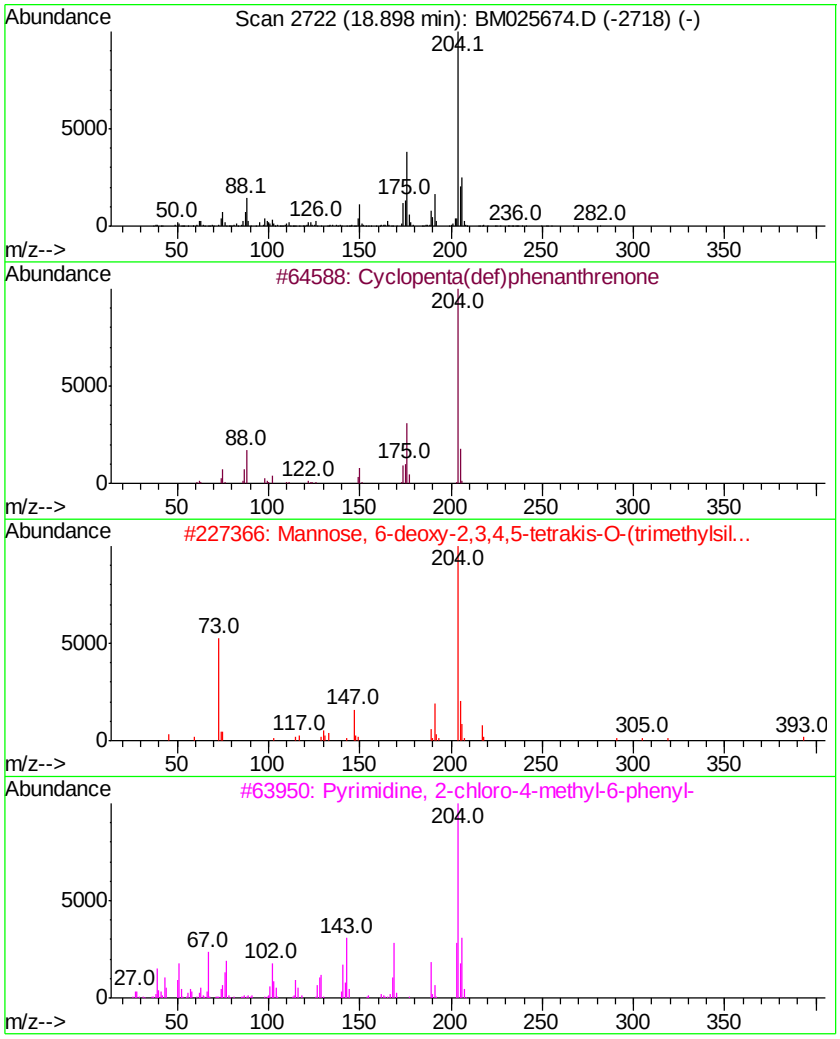
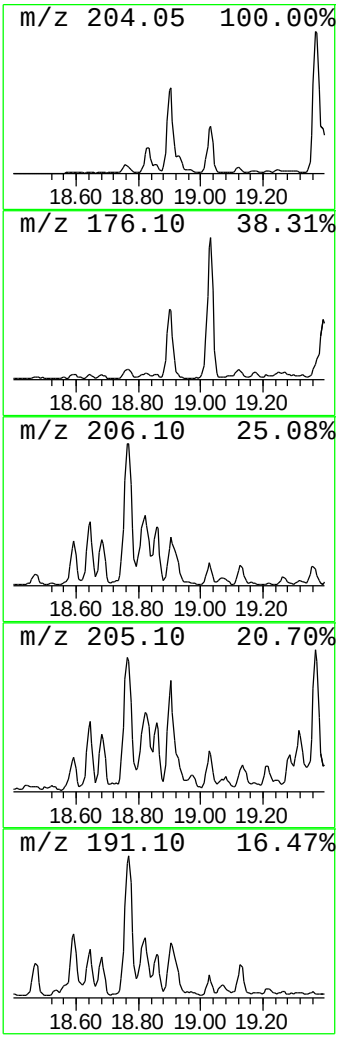
Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	10.37 ng/ul	1252440	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	50
3	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	49
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47





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Quant Title : SVOA CALIBRATION

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

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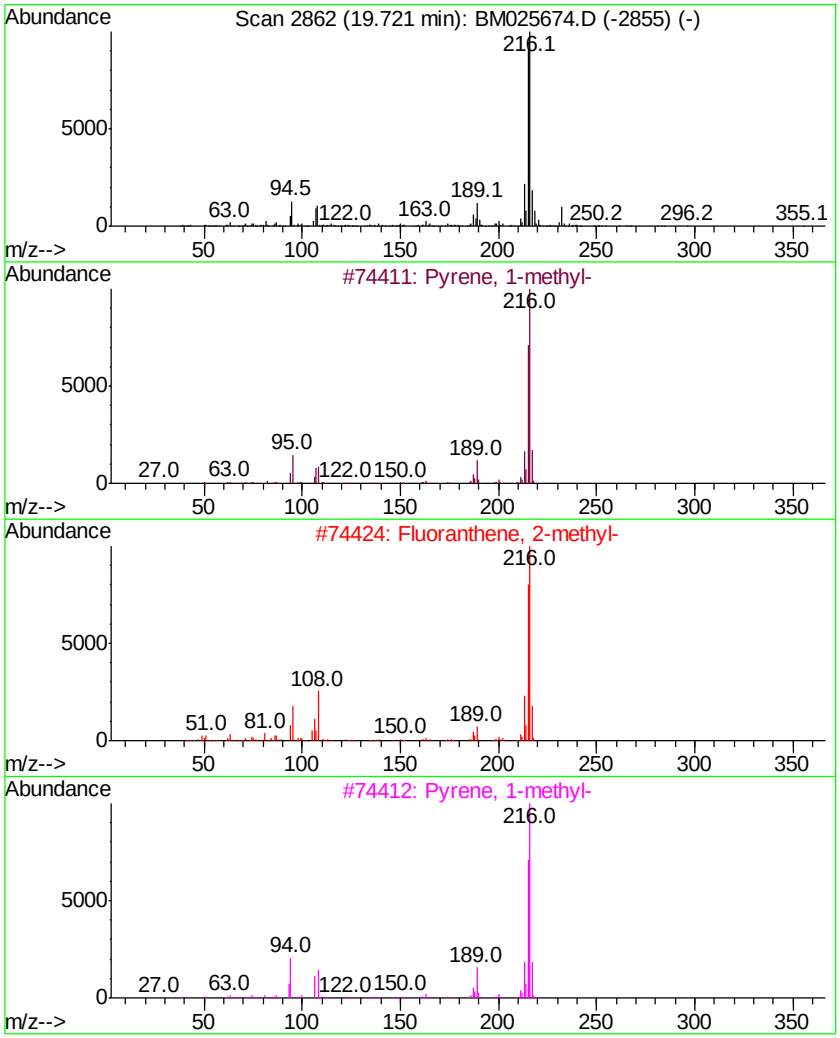
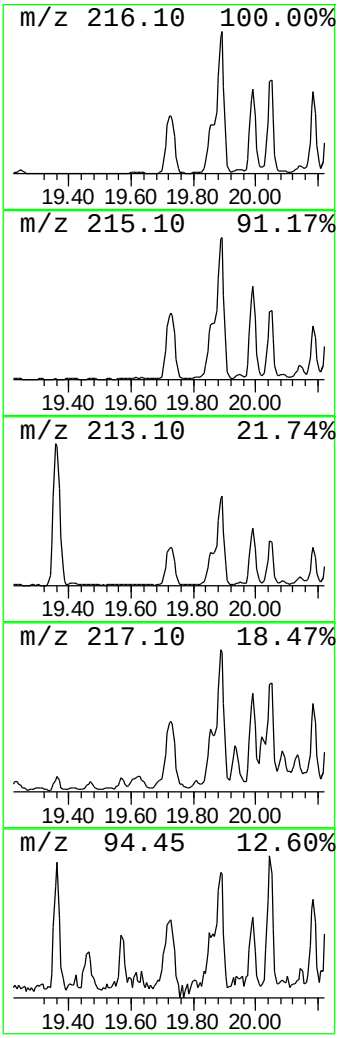
Peak Number 20 Pyrene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	2.84 ng/ul	1983010	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
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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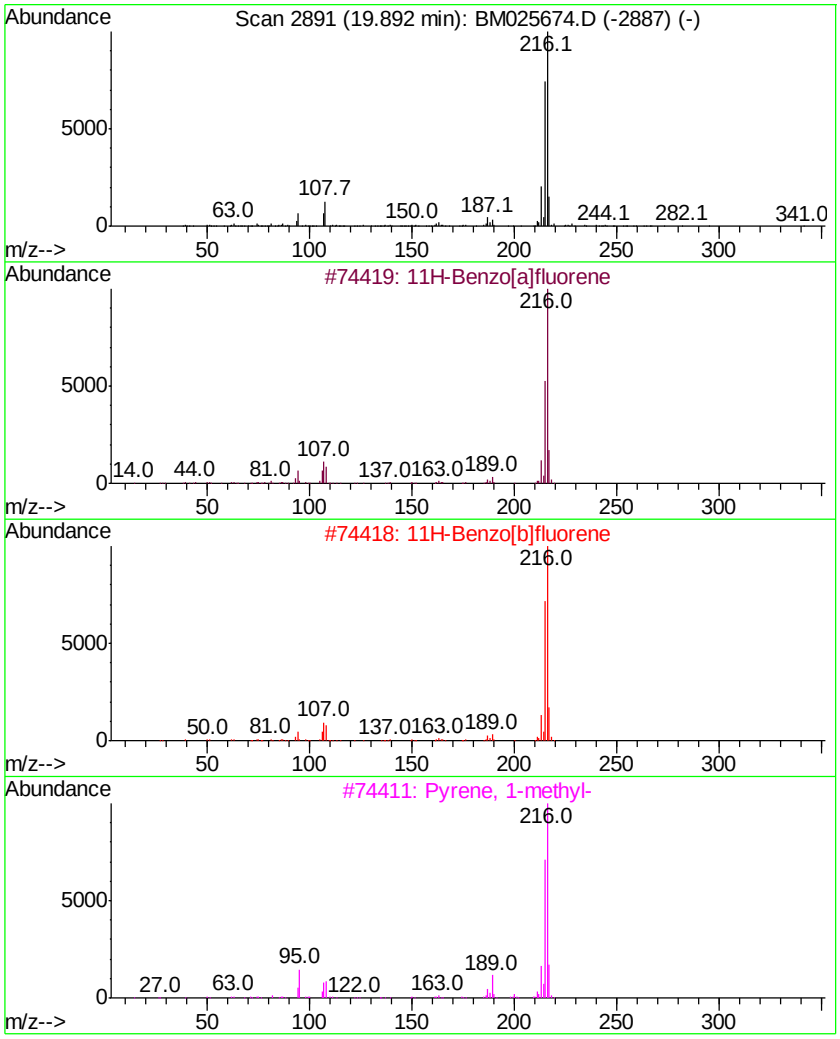
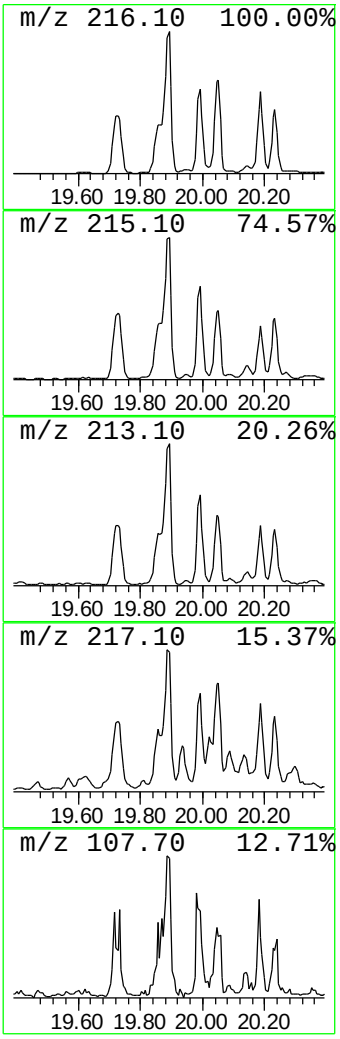
Peak Number 21 11H-Benzo[a]fluorene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	3.29 ng/ul	2296970	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





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Instrument : BNA_M
ClientSampleId : B0AH3

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Quant Title : SVOA CALIBRATION

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

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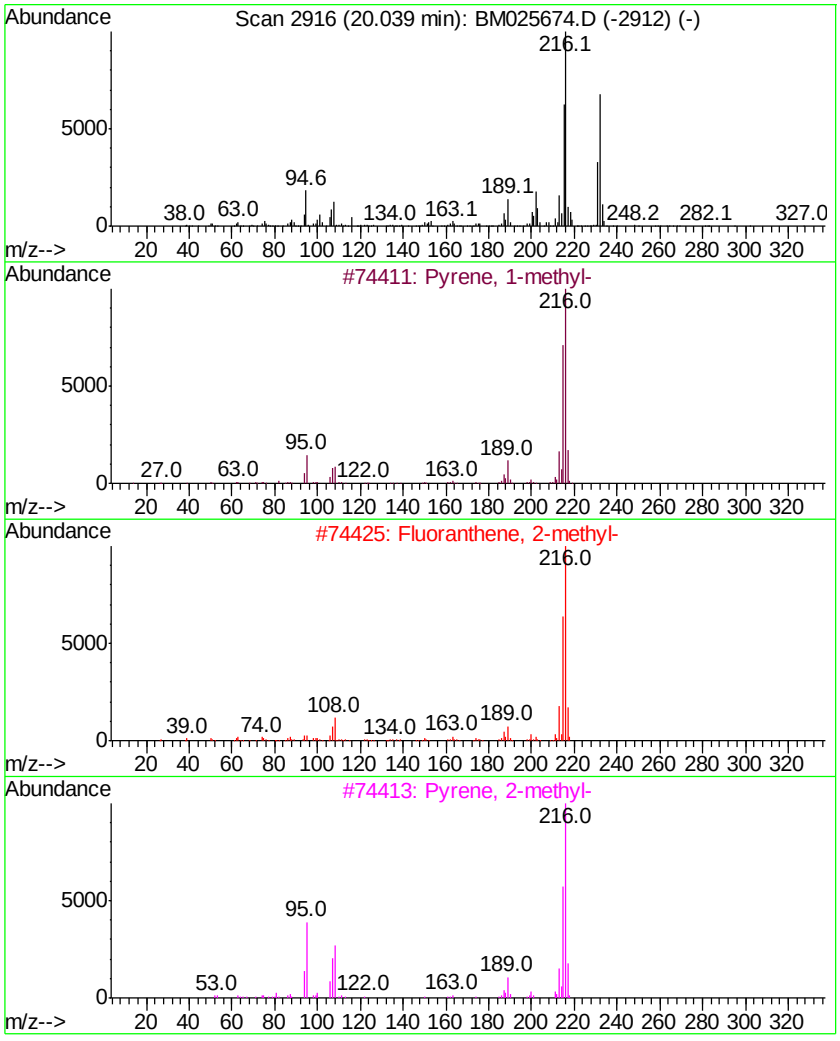
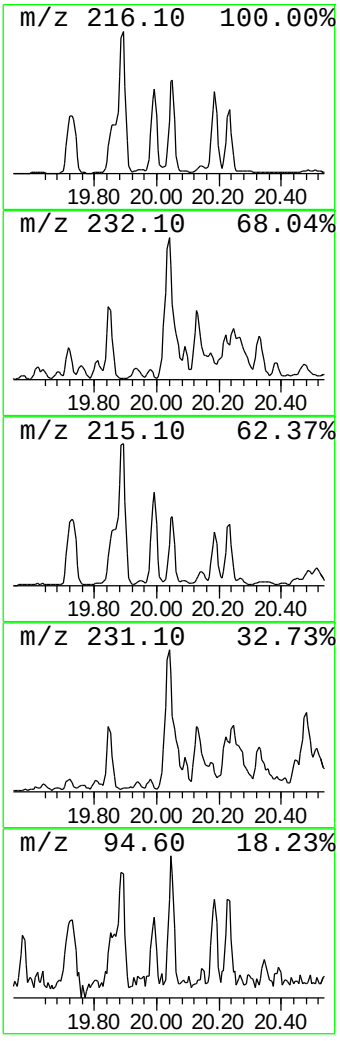
Peak Number 22 Fluoranthene, 2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.40 ng/ul	1678730	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





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Quant Title : SVOA CALIBRATION

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

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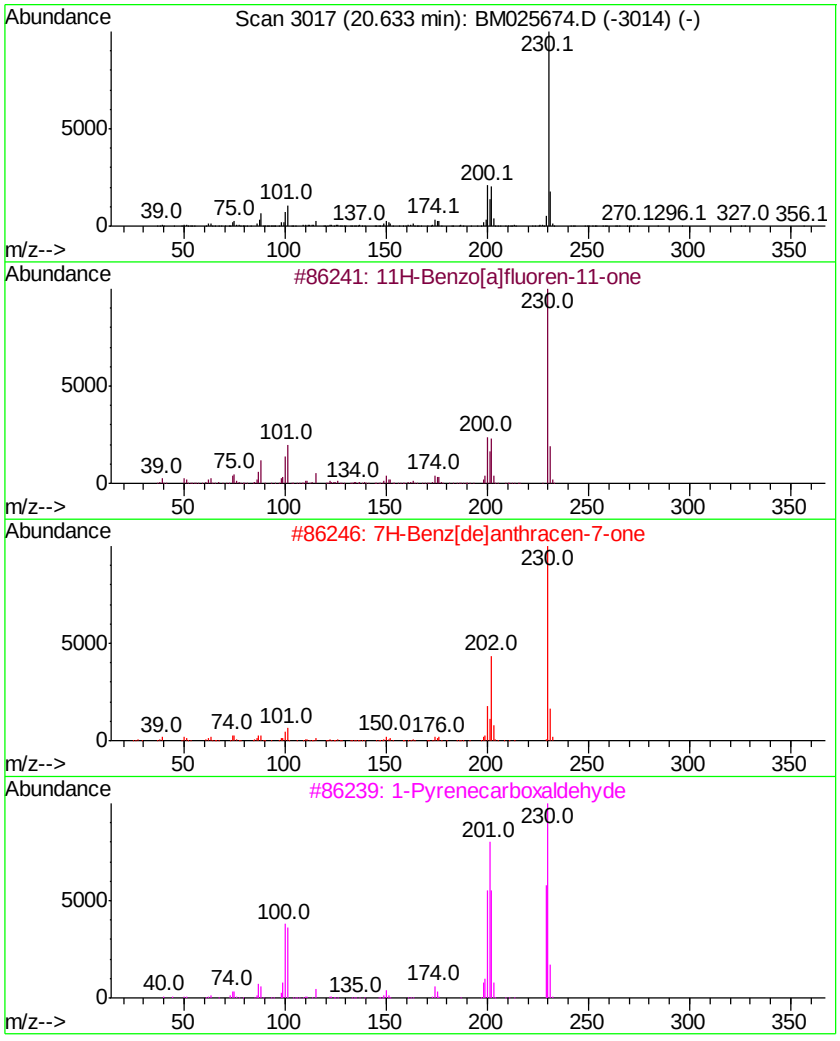
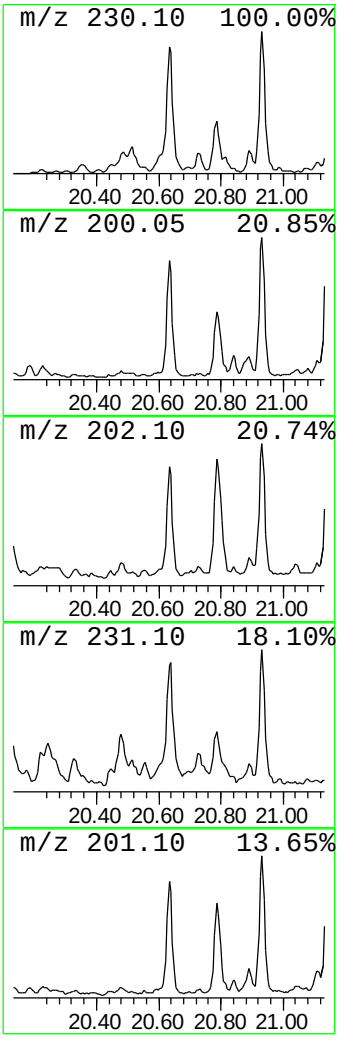
Peak Number 23 7H-Benz[de]anthracen-7-one Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.63	2.30 ng/ul	1610160	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





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Quant Title : SVOA CALIBRATION

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

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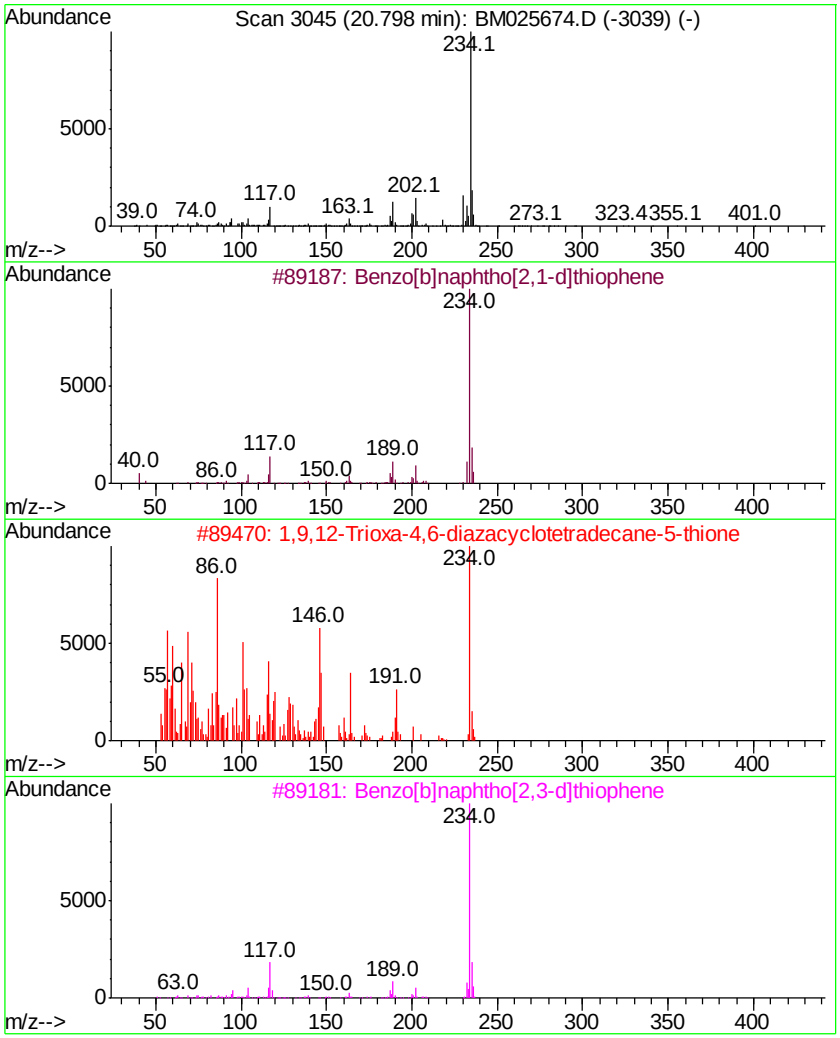
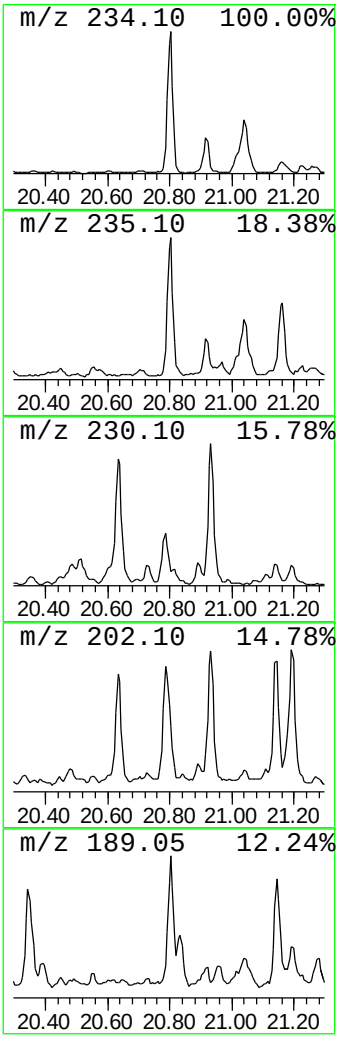
Peak Number 24 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	2.86 ng/ul	1995270	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	1,9,12-Trioxa-4,6-diazacyclotetr...	234	C9H18N2O3S	075491-64-4	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93





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Quant Title : SVOA CALIBRATION

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

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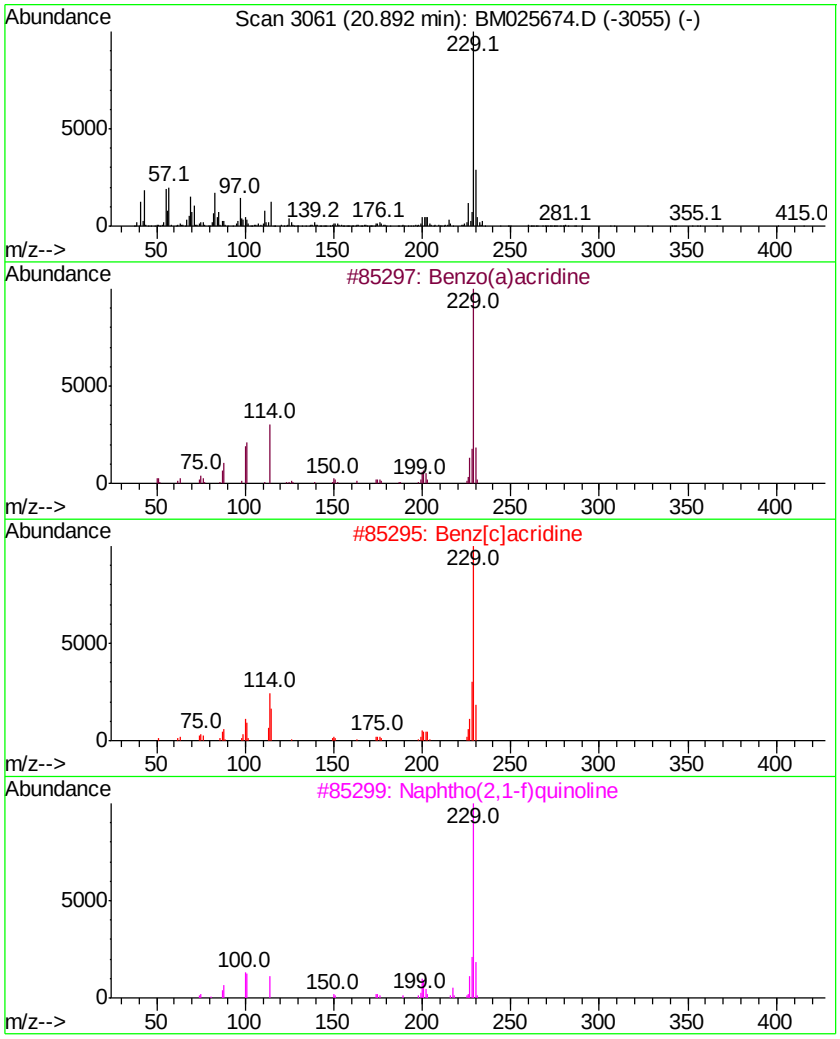
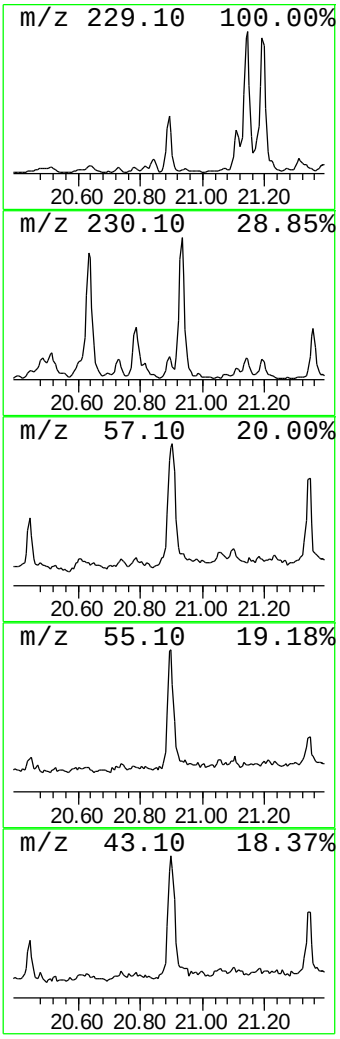
Peak Number 25 Benzo(a)acridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	3.88 ng/ul	2709710	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)acridine	229	C17H11N	000225-11-6	62
2	Benz[c]acridine	229	C17H11N	000225-51-4	53
3	Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	53
4	Malononitrile, 2-indeno[1,2-b]py...	229	C15H7N3	1000316-60-9	49
5	1-Undecanol, tert-butyldimethyls...	286	C17H38OSi	1000333-30-8	45





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Quant Title : SVOA CALIBRATION

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

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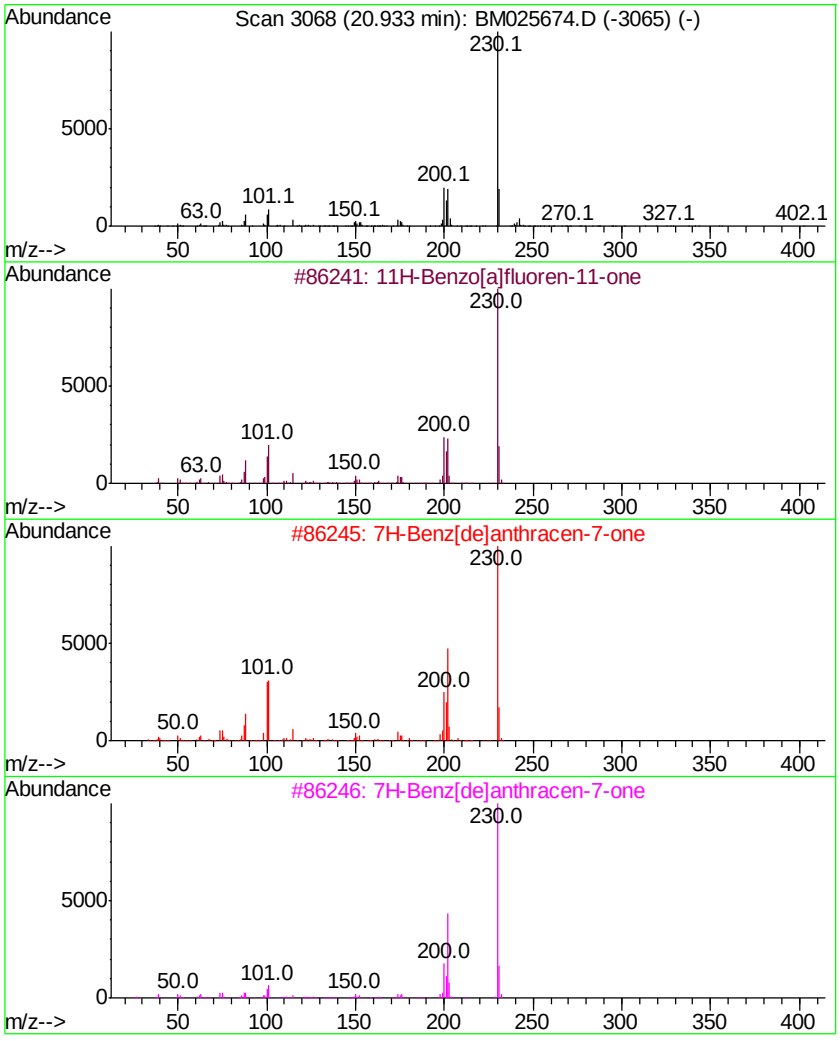
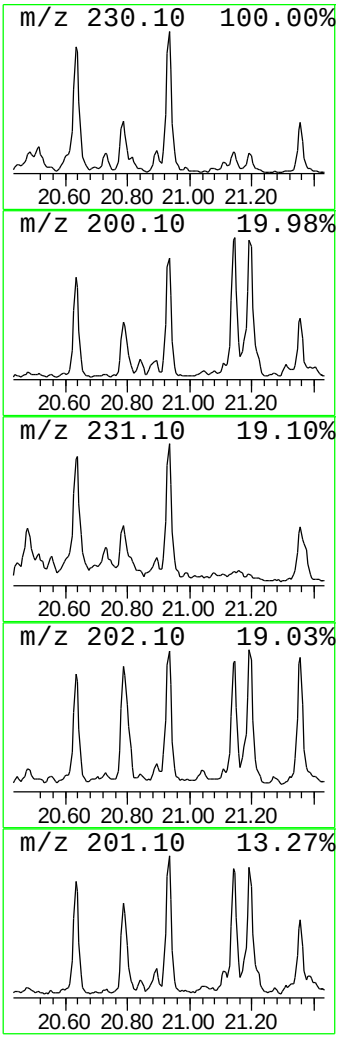
Peak Number 26 11H-Benzo[a]fluoren-11-one Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.57 ng/ul	1792940	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
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	81
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68





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Quant Title : SVOA CALIBRATION

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

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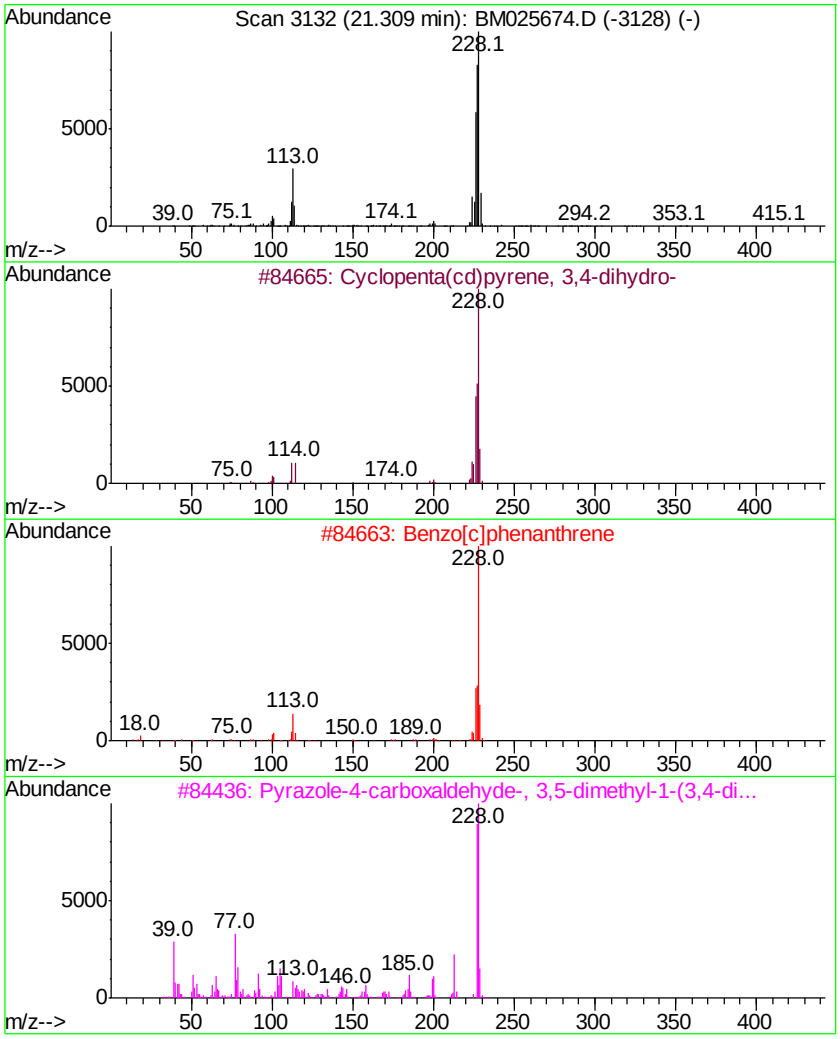
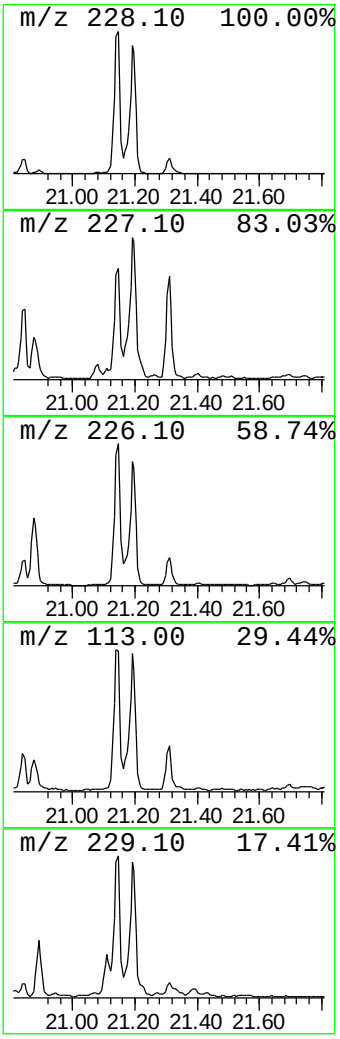
Peak Number 27 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.31	2.06 ng/ul	1439710	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
3	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47
4	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	47
5	Triphenylene	228	C18H12	000217-59-4	45





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TIC Integration Parameters: LSCINT.P

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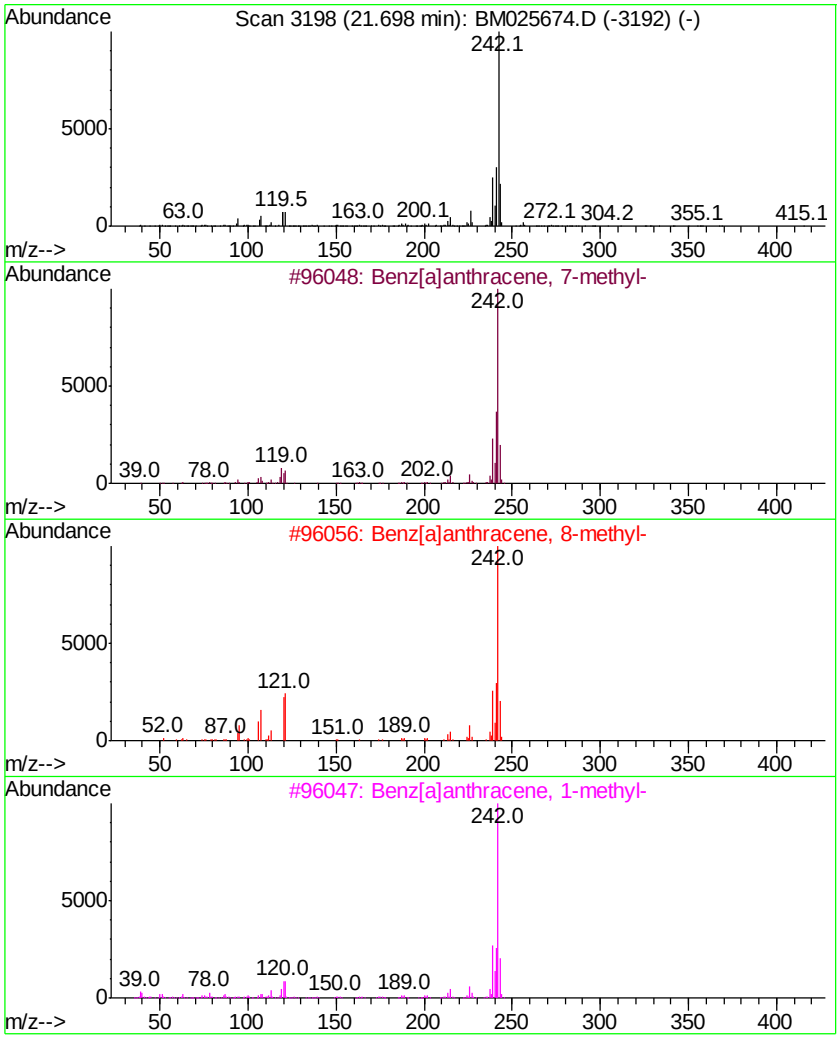
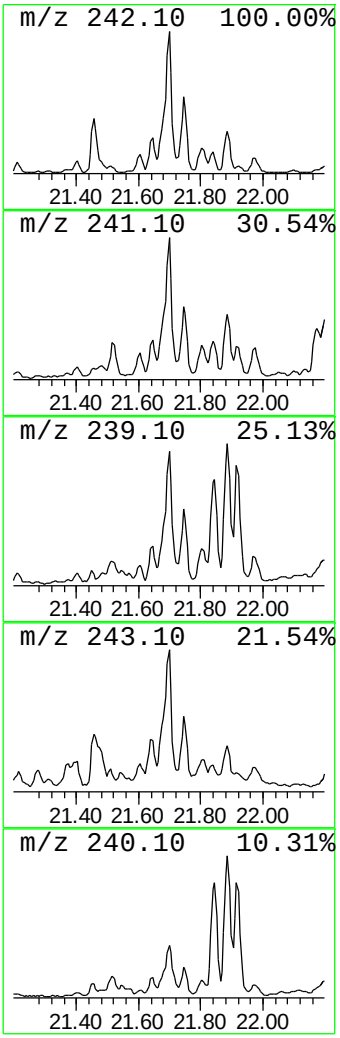
Peak Number 28 Benz[a]anthracene, 7-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.70	2.88 ng/ul	2014820	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	98
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	91





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Acq On : 20 Mar 2020 23:07
Operator : CG/JU
Sample : L1972-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AH3

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Quant Title : SVOA CALIBRATION

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

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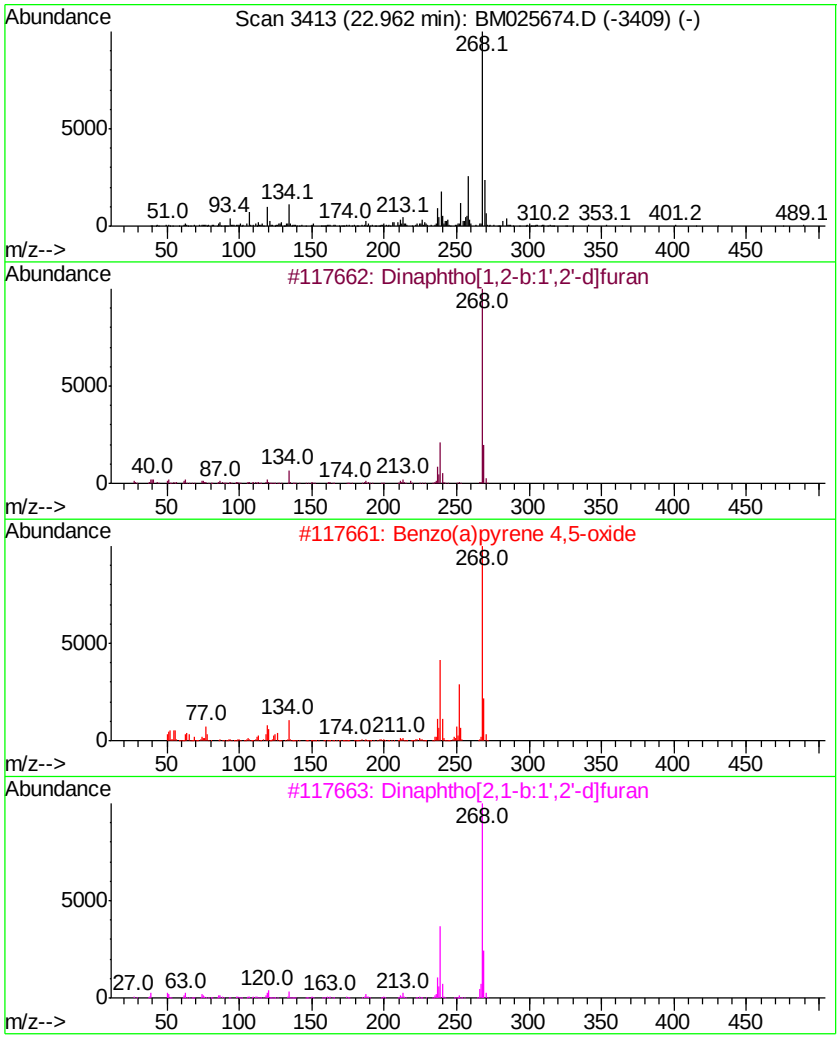
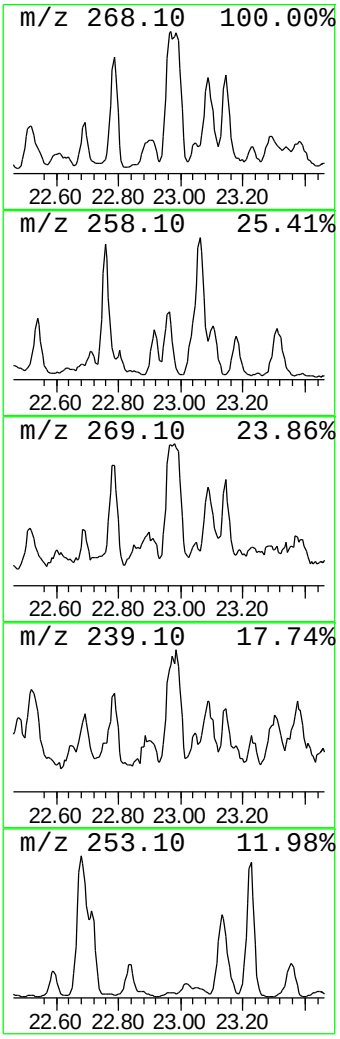
Peak Number 30 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.96	6.79 ng/ul	1014870	Perylene-d12	23.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	74
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	59
4	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	58
5	1,3-Benzoxazole, 2-(1,3-benzoxaz...	268	C14H8N2O2S	1000327-61-1	55





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
Data File : BM025674.D
Acq On : 20 Mar 2020 23:07
Operator : CG/JU
Sample : L1972-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AH3

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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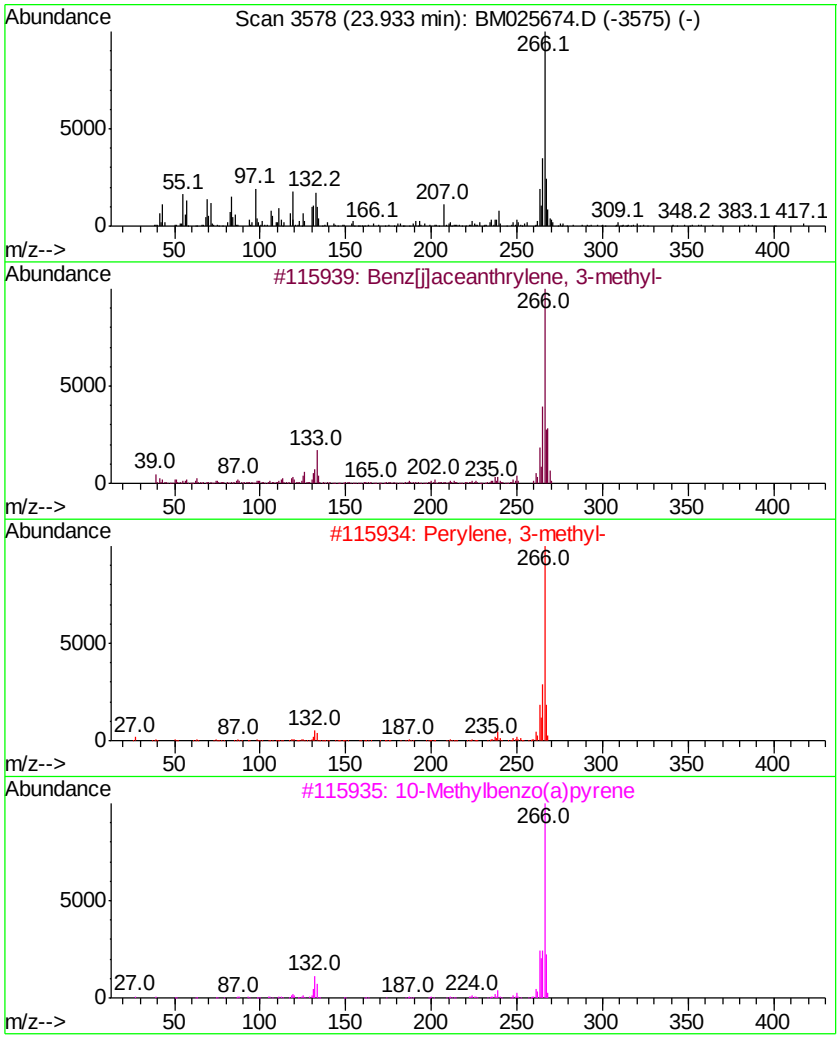
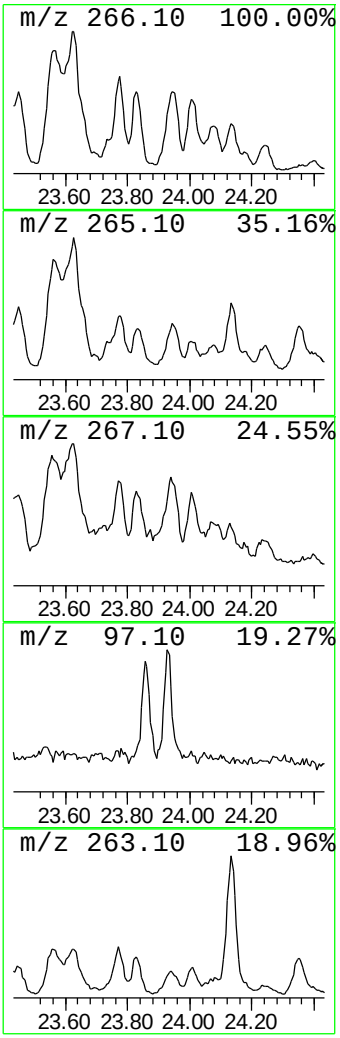
Peak Number 31 Benz[j]aceanthrylene, 3-met... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.93	4.22 ng/ul	630537	Perylene-d12	23.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	64
2	Perylene, 3-methyl-	266	C21H14	024471-47-4	64
3	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	60
4	4,5-Dihydro-3H-dinaphtho[2,1-c:1...	295	C22H17N	1000297-99-2	59
5	2,3-Dihydro-7-methyl-5-phenyl-1H...	266	C16H14N2S	002888-60-0	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032020\
Data File : BM025674.D
Acq On : 20 Mar 2020 23:07
Operator : CG/JU
Sample : L1972-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0AH3

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
[1,1'-Biphenyl]-4...	15.71	3.6	ng/ul	434603	4	16.96	2414620	20.0
9H-Fluorene, 3-me...	16.27	3.5	ng/ul	427119	4	16.96	2414620	20.0
9H-Fluoren-9-one	16.62	3.7	ng/ul	446812	4	16.96	2414620	20.0
Dibenzothiophene	16.78	3.6	ng/ul	432356	4	16.96	2414620	20.0
Dibenzothiophene,...	17.54	2.9	ng/ul	351449	4	16.96	2414620	20.0
1H-Cyclopropa[l]p...	17.84	14.1	ng/ul	1698300	4	16.96	2414620	20.0
Phenanthrene, 2-m...	17.89	20.9	ng/ul	2518230	4	16.96	2414620	20.0
Anthracene, 2-met...	17.96	5.7	ng/ul	688131	4	16.96	2414620	20.0
4H-Cyclopenta[def...	18.03	25.8	ng/ul	3119570	4	16.96	2414620	20.0
Phenanthrene, 1-m...	18.07	9.7	ng/ul	1167560	4	16.96	2414620	20.0
Naphthalene, 2-ph...	18.34	10.0	ng/ul	1206210	4	16.96	2414620	20.0
9,10-Anthracenedione	18.38	8.4	ng/ul	1011110	4	16.96	2414620	20.0
Phenanthrene, 4,5...	18.59	3.9	ng/ul	474168	4	16.96	2414620	20.0
Phenanthrene, 2,7...	18.64	4.4	ng/ul	530146	4	16.96	2414620	20.0
Phenanthrene, 2,5...	18.68	3.2	ng/ul	390363	4	16.96	2414620	20.0
9,10-Dimethylanth...	18.76	12.6	ng/ul	1518320	4	16.96	2414620	20.0
Acephenanthrylene...	18.83	8.8	ng/ul	1058820	4	16.96	2414620	20.0
Naphthalene, 1,2-...	18.86	2.9	ng/ul	354585	4	16.96	2414620	20.0
Cyclopenta(def)ph...	18.90	10.4	ng/ul	1252440	4	16.96	2414620	20.0
Pyrene, 1-methyl-	19.72	2.8	ng/ul	1983010	5	21.16	13972400	20.0
11H-Benzo[a]fluorene	19.89	3.3	ng/ul	2296970	5	21.16	13972400	20.0
Fluoranthene, 2-m...	20.04	2.4	ng/ul	1678730	5	21.16	13972400	20.0
7H-Benz[de]anthra...	20.63	2.3	ng/ul	1610160	5	21.16	13972400	20.0
Benzo[b]naphtho[2...	20.80	2.9	ng/ul	1995270	5	21.16	13972400	20.0
Benzo(a)acridine	20.89	3.9	ng/ul	2709710	5	21.16	13972400	20.0
11H-Benzo[a]fluor...	20.93	2.6	ng/ul	1792940	5	21.16	13972400	20.0
Cyclopenta(cd)pyr...	21.31	2.1	ng/ul	1439710	5	21.16	13972400	20.0
Benz[a]anthracene...	21.70	2.9	ng/ul	2014820	5	21.16	13972400	20.0
Dinaphtho[1,2-b:1...	22.96	6.8	ng/ul	1014870	6	23.31	2987910	20.0
Benz[j]aceanthryl...	23.93	4.2	ng/ul	630537	6	23.31	2987910	20.0