LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022276.D
Acq On : 24 Aug 2019 03:31
Operator : HP/JU
Sample : K4242-02 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7

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-BM082219MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.557	771	777	787	rBB	147615	236442	0.57%	0.095%
2	10.333	1242	1249	1253	rBV	208373	356353	0.86%	0.144%
3	10.381	1253	1257	1268	rVB	160094	260318	0.63%	0.105%
4	14.210	1901	1908	1914	rBV2	351925	537056	1.30%	0.217%
5	14.280	1914	1920	1928	rVB	735476	1047296	2.54%	0.423%
6	14.616	1971	1977	1983	rBV	323412	462236	1.12%	0.187%
7	15.274	2083	2089	2099	rVB	686833	956942	2.32%	0.386%
8	15.715	2152	2164	2172	rBV	141015	273838	0.66%	0.111%
9	16.280	2248	2260	2264	rBV3	120693	272364	0.66%	0.110%
10	16.645	2316	2322	2327	rVB	200916	281009	0.68%	0.113%
11	16.792	2342	2347	2356	rVB	572579	816671	1.98%	0.330%
12	16.980	2371	2379	2381	rBV2	406074	625220	1.51%	0.252%
13	17.045	2381	2390	2393	rVV	19084732	27094914	65.59%	10.940%
14	17.086	2393	2397	2398	rVV2	302552	388813	0.94%	0.157%
15	17.121	2398	2403	2408	rVV	2964805	3857803	9.34%	1.558%
16	17.180	2408	2413	2421	rVB	222887	354323	0.86%	0.143%
17	17.368	2440	2445	2446	rBV	229200	275886	0.67%	0.111%
18	17.398	2446	2450	2456	rVB	1089422	1518061	3.67%	0.613%
19	17.498	2462	2467	2474	rBV4	151956	305430	0.74%	0.123%
20	17.574	2474	2480	2486	rVV4	89085	227938	0.55%	0.092%
21	17.851	2518	2527	2531	rVV	753411	1111802	2.69%	0.449%
22	17.904	2531	2536	2543	rVV	1398738	1898591	4.60%	0.767%
23	17.980	2544	2549	2555	rVB	409418	578646	1.40%	0.234%
24	18.051	2555	2561	2564	rBV2	1810919	2812627	6.81%	1.136%
25	18.086	2564	2567	2576	rVB	805740	1068489	2.59%	0.431%
26	18.356	2608	2613	2619	rVV	834369	1092015	2.64%	0.441%
27	18.427	2619	2625	2630	rVV	840692	1074804	2.60%	0.434%
28	18.604	2650	2655	2660	rBV	234516	339456	0.82%	0.137%
29	18.698	2667	2671	2678	rVB3	126338	182683	0.44%	0.074%
30	18.774	2679	2684	2689	rBV	247213	440006	1.07%	0.178%
31	18.845	2689	2696	2698	rVV4	206967	394660	0.96%	0.159%
32	18.874	2698	2701	2705	rVB	291034	373661	0.90%	0.151%
33	18.945	2709	2713	2718	rVB	292352	452837	1.10%	0.183%
34	19.080	2724	2736	2739	rBV2	24638068	41214578	99.77%	16.641%

LSC Area Percent Report

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Acq On : 24 Aug 2019 03:31
Operator : HP/JU
Sample : K4242-02 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7

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-BM082219MA.M
Title : SVOA CALIBRATION

35	19.156	2745	2749	2755	rVB3	280739	458194	1.11%	0.185%
36	19.292	2764	2772	2776	rBV2	747331	1109686	2.69%	0.448%
37	19.339	2776	2780	2785	rVB	121594	191221	0.46%	0.077%
38	19.445	2785	2798	2801	rBV	20988094	41309461	100.00%	16.679%
39	19.486	2801	2805	2812	rVB2	765923	1104860	2.67%	0.446%
40	19.598	2818	2824	2829	rBV	893590	1149888	2.78%	0.464%
41	19.668	2829	2836	2842	rVB	563016	840173	2.03%	0.339%
42	19.733	2842	2847	2855	rVB2	640687	1574749	3.81%	0.636%
43	19.809	2855	2860	2866	rBV	309612	505387	1.22%	0.204%
44	19.874	2866	2871	2873	rBV3	494604	793754	1.92%	0.320%
45	19.921	2874	2879	2883	rVB	2063529	2801905	6.78%	1.131%
46	19.968	2883	2887	2890	rBV4	95837	179167	0.43%	0.072%
47	20.015	2890	2895	2899	rBV	1589326	1984904	4.80%	0.801%
48	20.074	2899	2905	2908	rVV2	823092	1453707	3.52%	0.587%
49	20.109	2908	2911	2915	rVB	498780	577308	1.40%	0.233%
50	20.150	2915	2918	2922	rVB	301343	364892	0.88%	0.147%
51	20.215	2924	2929	2932	rBV	405586	537064	1.30%	0.217%
52	20.256	2932	2936	2940	rBV3	443152	577847	1.40%	0.233%
53	20.386	2955	2958	2965	rVB3	136847	188853	0.46%	0.076%
54	20.545	2981	2985	2988	rBV2	232845	310233	0.75%	0.125%
55	20.621	2994	2998	3003	rBV3	161706	301234	0.73%	0.122%
56	20.674	3003	3007	3012	rBV	722722	847143	2.05%	0.342%
57	20.833	3026	3034	3037	rBV	1282490	1705693	4.13%	0.689%
58	20.868	3037	3040	3044	rVV	1246874	1691299	4.09%	0.683%
59	20.909	3044	3047	3052	rVV2	1014417	1842047	4.46%	0.744%
60	20.980	3055	3059	3066	rVB	876865	1147556	2.78%	0.463%
61	21.074	3066	3075	3083	rBV	361194	1028603	2.49%	0.415%
62	21.186	3083	3094	3098	rBV2	11383621	18118400	43.86%	7.316%
63	21.239	3098	3103	3107	rVV	11027564	13112358	31.74%	5.294%
64	21.309	3111	3115	3117	rVV4	156263	240886	0.58%	0.097%
65	21.345	3117	3121	3125	rVV	1762334	1986316	4.81%	0.802%
66	21.403	3127	3131	3134	rVV2	395236	593432	1.44%	0.240%
67	21.462	3138	3141	3143	rVV	435919	538538	1.30%	0.217%
68	21.509	3143	3149	3153	rVV2	650986	1222783	2.96%	0.494%
69	21.550	3153	3156	3159	rVB4	168738	210842	0.51%	0.085%
70	21.674	3173	3177	3181	rBV2	281604	495525	1.20%	0.200%
71	21.727	3182	3186	3190	rVV	904827	1335583	3.23%	0.539%

LSC Area Percent Report

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Acq On : 24 Aug 2019 03:31
Operator : HP/JU
Sample : K4242-02 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7

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-BM082219MA.M
Title : SVOA CALIBRATION

72	21.774	3190	3194	3201	rVV2	470987	868192	2.10%	0.351%
73	21.845	3202	3206	3209	rVV2	293751	455031	1.10%	0.184%
74	21.880	3209	3212	3216	rVV3	386371	579039	1.40%	0.234%
75	21.921	3216	3219	3222	rVV	502626	754097	1.83%	0.304%
76	21.956	3222	3225	3230	rVV2	544630	753530	1.82%	0.304%
77	22.015	3230	3235	3240	rVB3	349539	605700	1.47%	0.245%
78	22.221	3265	3270	3273	rBV	386399	556691	1.35%	0.225%
79	22.362	3291	3294	3299	rVB	128018	179657	0.43%	0.073%
80	22.486	3310	3315	3320	rBV2	348720	612478	1.48%	0.247%
81	22.750	3351	3360	3363	rBV	5196623	11098120	26.87%	4.481%
82	22.780	3363	3365	3370	rVV	3393324	3843169	9.30%	1.552%
83	22.827	3370	3373	3379	rVB3	222958	378422	0.92%	0.153%
84	22.897	3380	3385	3390	rVB	769028	1129068	2.73%	0.456%
85	23.021	3402	3406	3407	rBV	198574	247124	0.60%	0.100%
86	23.103	3415	3420	3423	rBV3	195805	408399	0.99%	0.165%
87	23.203	3430	3437	3447	rVB	2470907	4543679	11.00%	1.835%
88	23.309	3447	3455	3462	rVB	4538833	8125356	19.67%	3.281%
89	23.386	3463	3468	3471	rBV	358502	603788	1.46%	0.244%
90	23.439	3471	3477	3487	rVB	1145249	2001719	4.85%	0.808%
91	23.838	3542	3545	3551	rVB3	185183	333209	0.81%	0.135%
92	23.903	3553	3556	3565	rVB4	119971	255810	0.62%	0.103%
93	24.221	3605	3610	3624	rVB2	223167	559911	1.36%	0.226%
94	24.450	3645	3649	3660	rVB3	115171	261967	0.63%	0.106%
95	25.338	3796	3800	3819	rVB2	181592	685252	1.66%	0.277%
96	25.597	3832	3844	3851	rVB2	1723097	4658792	11.28%	1.881%
97	25.827	3874	3883	3890	rBV	321873	916398	2.22%	0.370%
98	25.915	3892	3898	3907	rVV2	189967	542462	1.31%	0.219%
99	26.268	3947	3958	3973	rVB	993094	3159693	7.65%	1.276%
100	26.615	4010	4017	4031	rVB2	292279	936338	2.27%	0.378%

Sum of corrected areas: 247668350

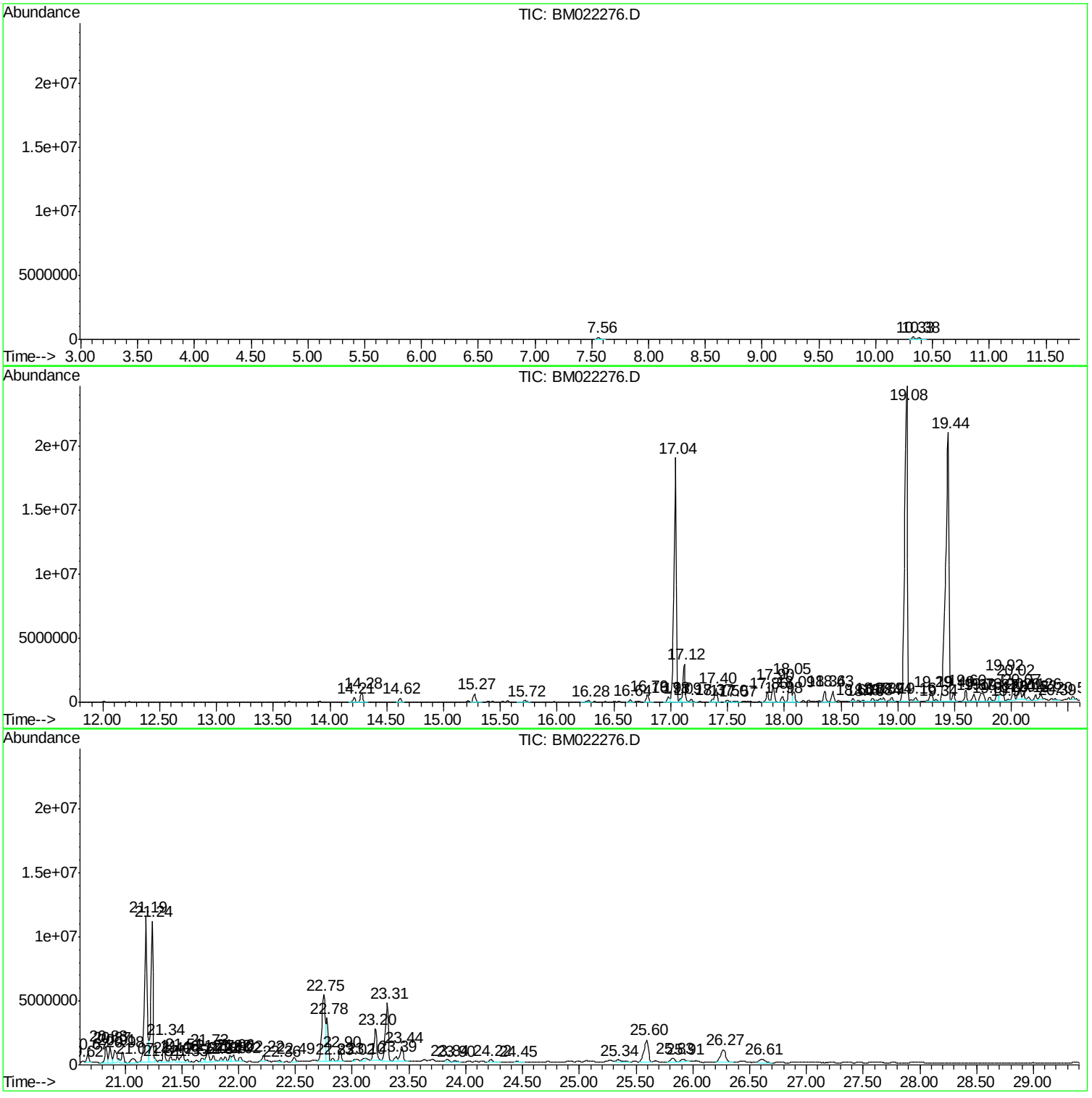
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022276.D
Acq On : 24 Aug 2019 03:31
Operator : HP/JU
Sample : K4242-02 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022276.D
Acq On : 24 Aug 2019 03:31
Operator : HP/JU
Sample : K4242-02 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0AG7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

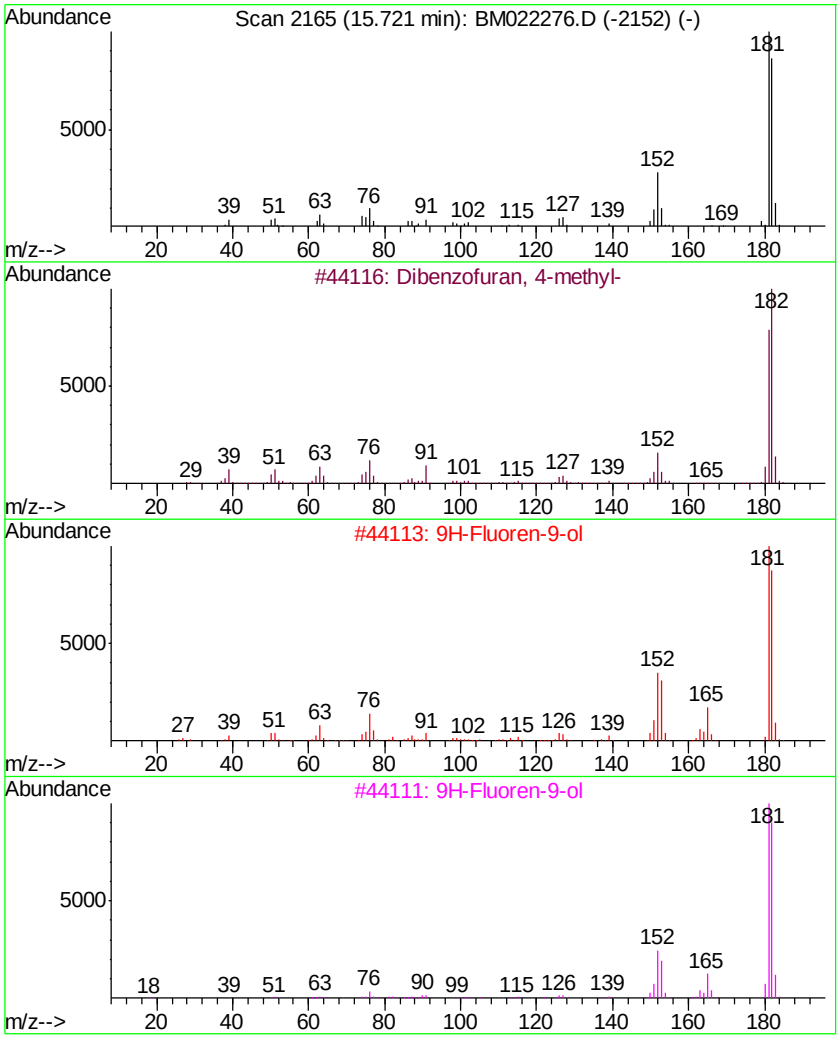
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

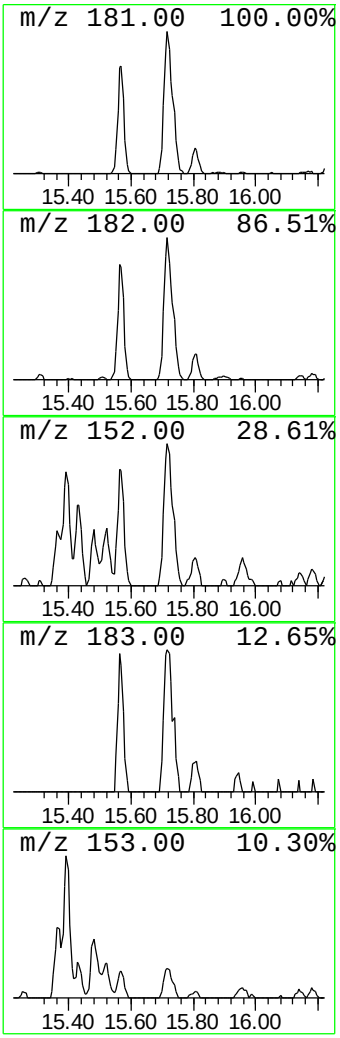
****

Peak Number 1 Dibenzofuran, 4-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	8.76 ng/ul	273838	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022276.D
Acq On : 24 Aug 2019 03:31
Operator : HP/JU
Sample : K4242-02 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

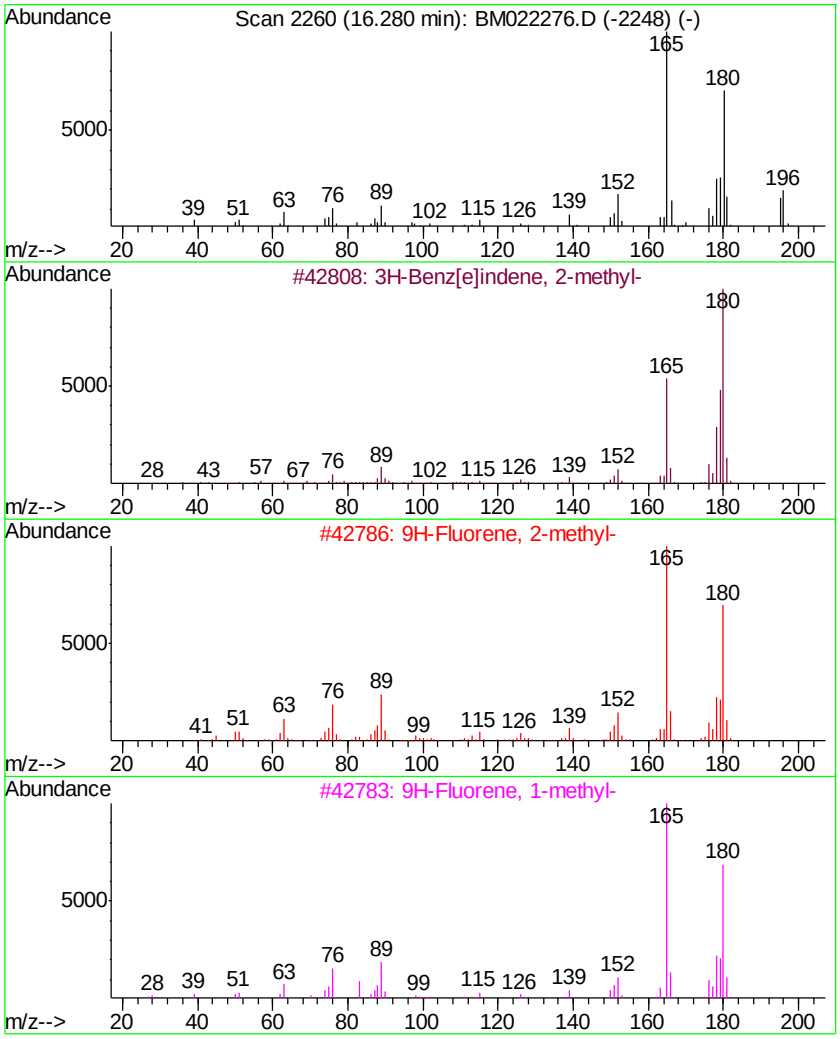
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

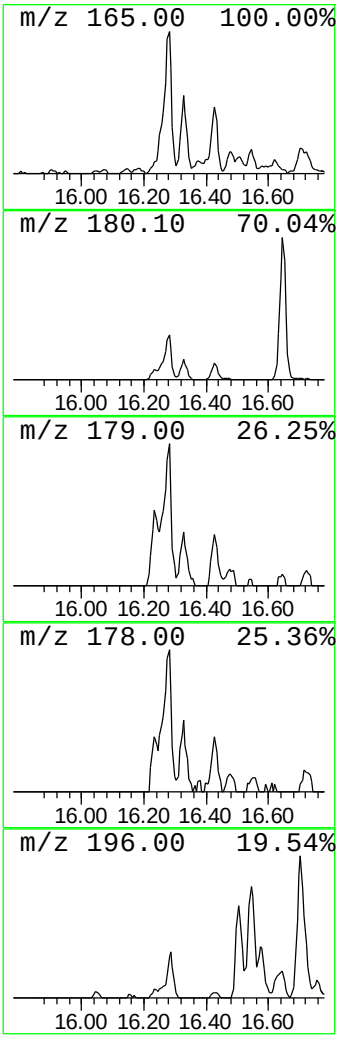
****

Peak Number 2 3H-Benz[e]indene, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	8.71 ng/ul	272364	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
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Acq On : 24 Aug 2019 03:31
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Sample : K4242-02 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

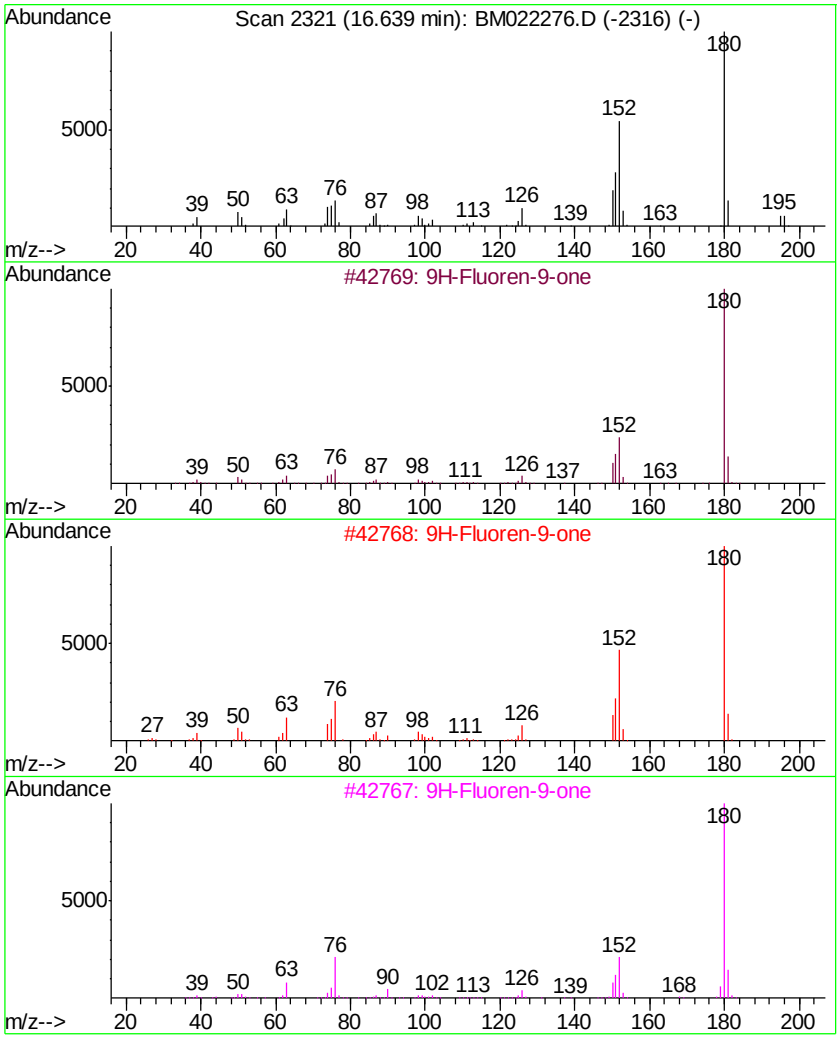
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

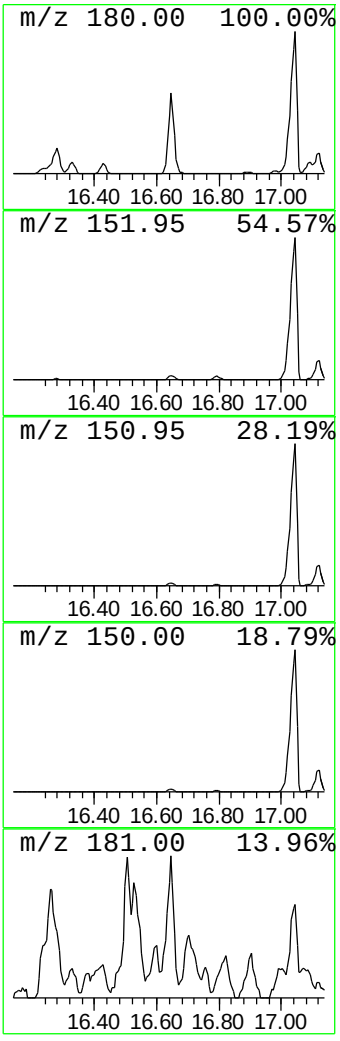
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	8.99 ng/ul	281009	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91





Library Search Compound Report

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Data File : BM022276.D
Acq On : 24 Aug 2019 03:31
Operator : HP/JU
Sample : K4242-02 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

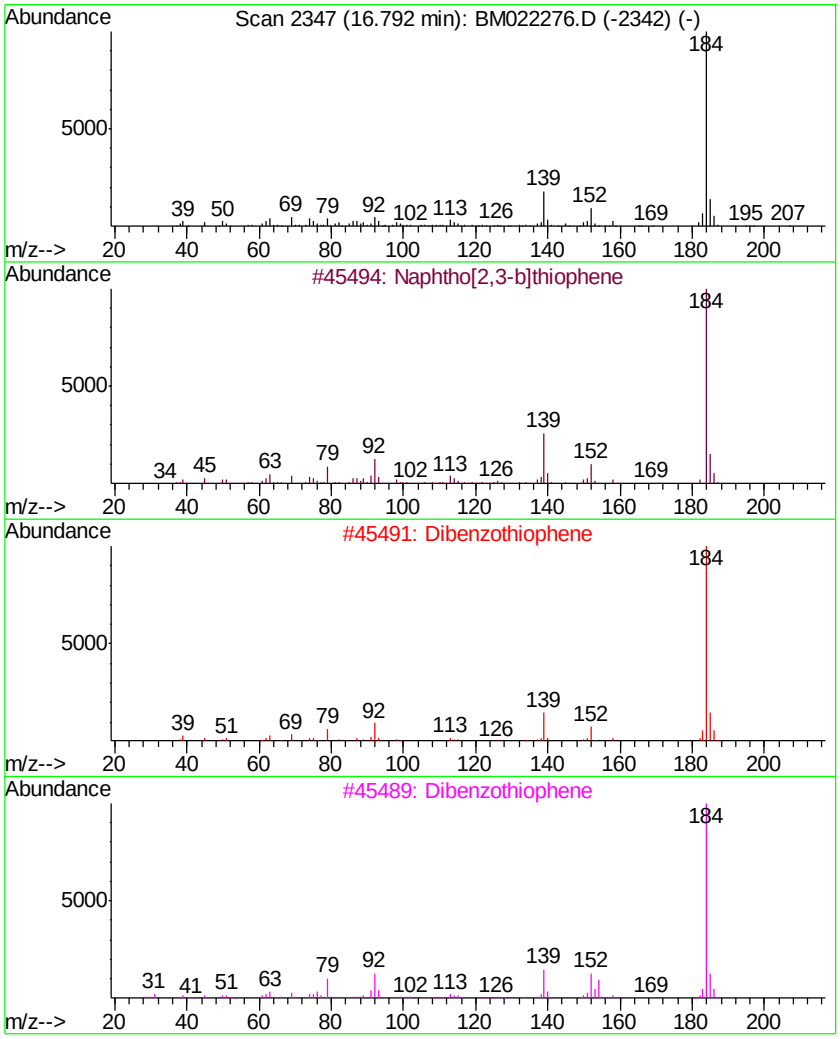
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

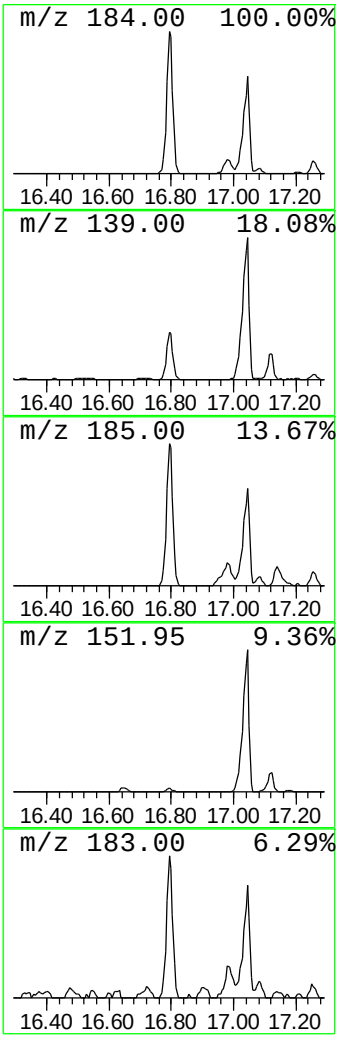
****

Peak Number 4 Naphtho[2,3-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	26.12 ng/ul	816671	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Library Search Compound Report

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Data File : BM022276.D
Acq On : 24 Aug 2019 03:31
Operator : HP/JU
Sample : K4242-02 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

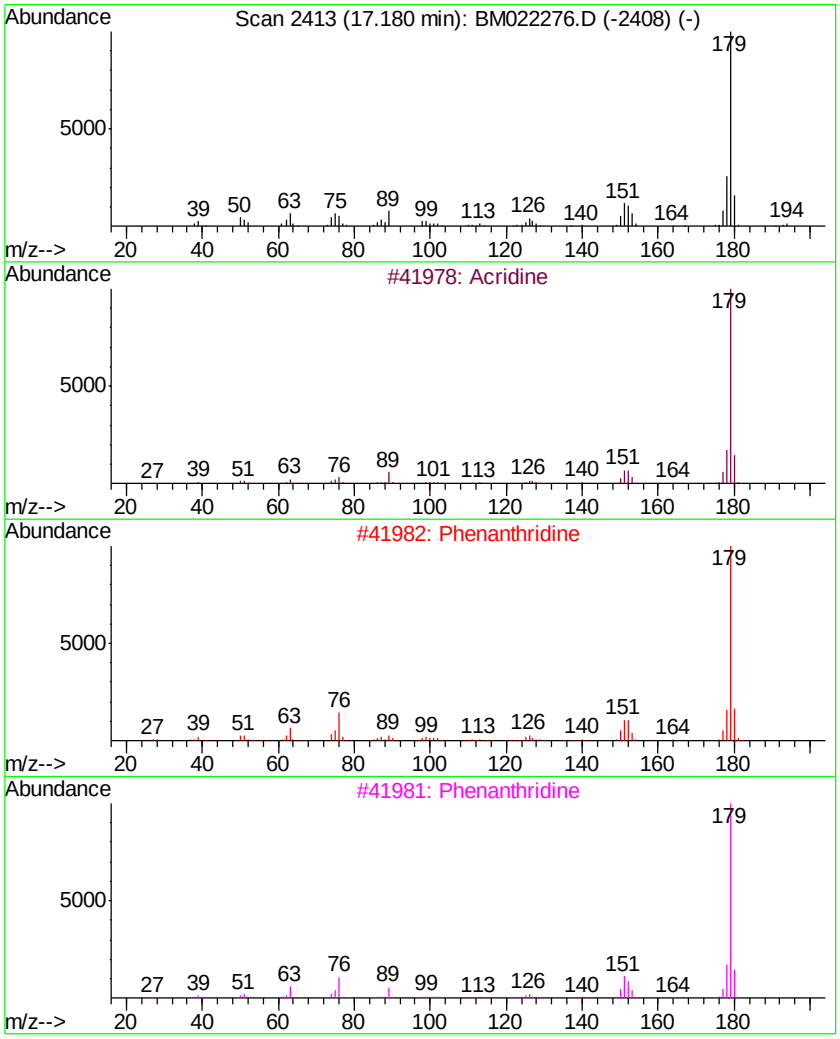
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

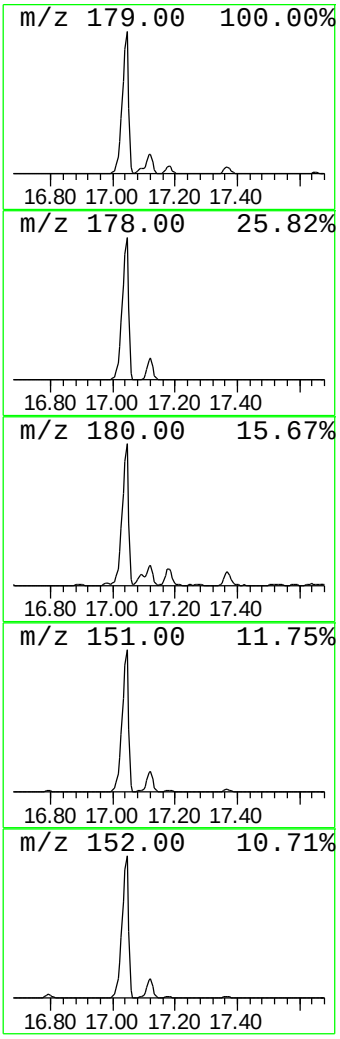
****

Peak Number 5 Acridine Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.18	11.33 ng/ul	354323	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	94
2	Phenanthridine	179	C13H9N	000229-87-8	93
3	Phenanthridine	179	C13H9N	000229-87-8	93
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	91
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	91





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Acq On : 24 Aug 2019 03:31
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Sample : K4242-02 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0AG7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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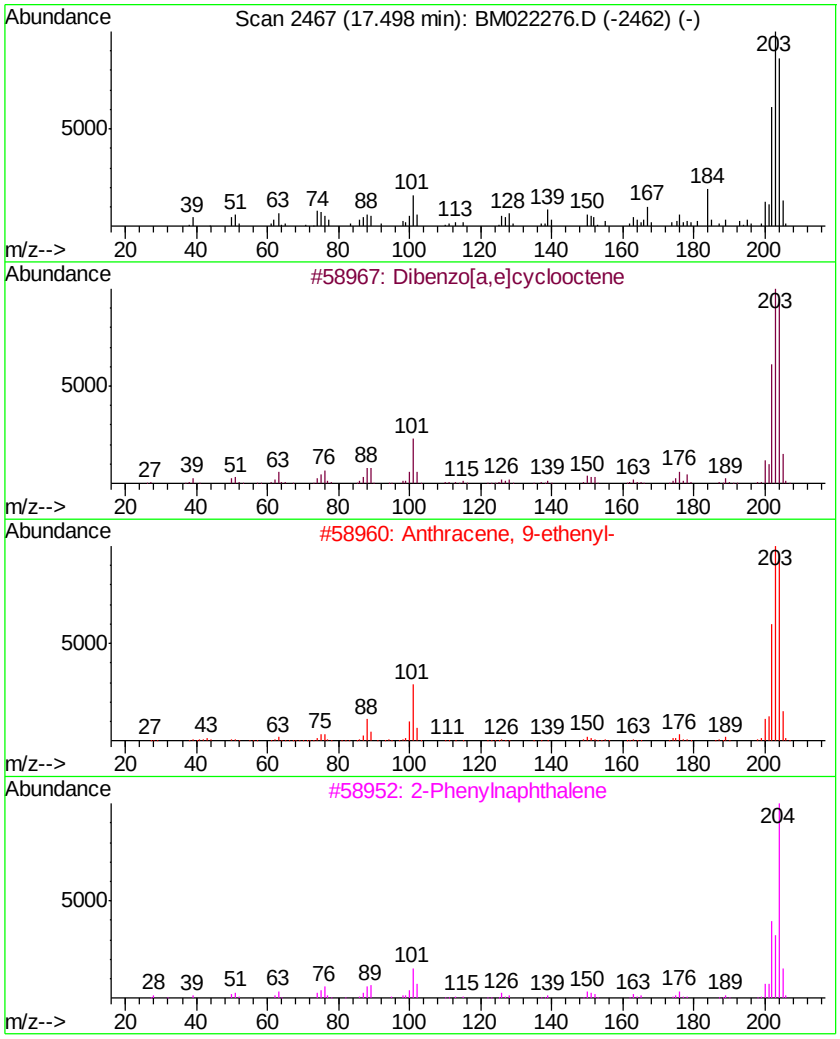
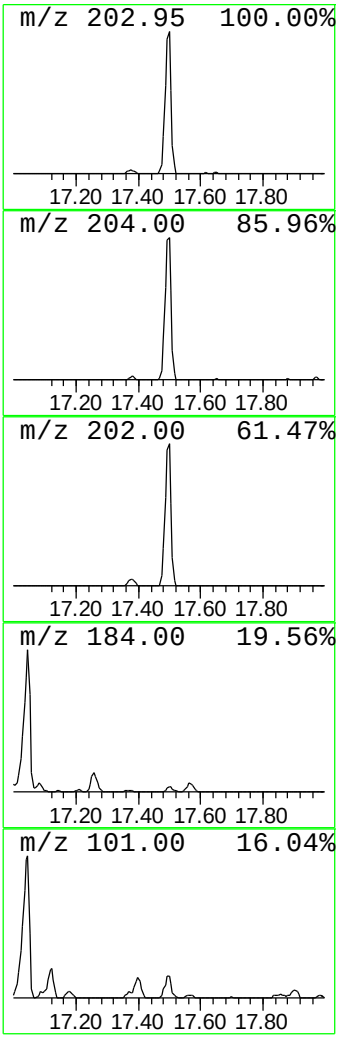
Peak Number 6 Dibenzo[a,e]cyclooctene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	9.77 ng/ul	305430	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	95
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	86
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	83
4	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	83
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	83





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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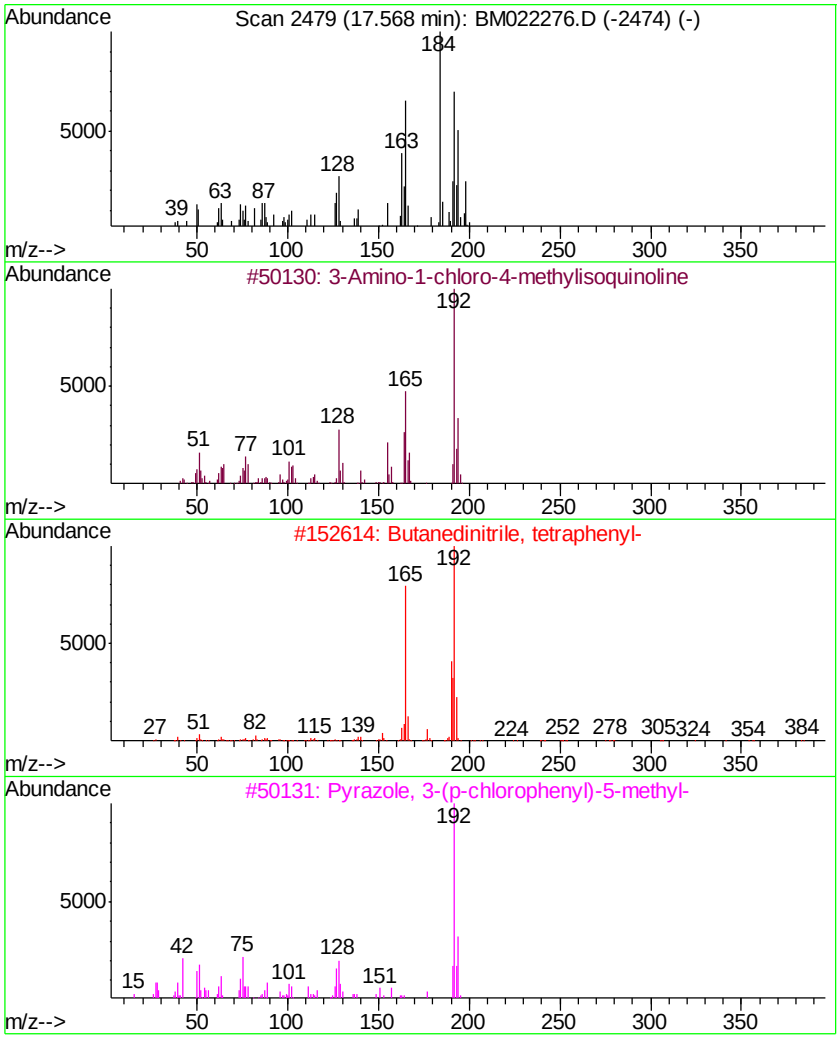
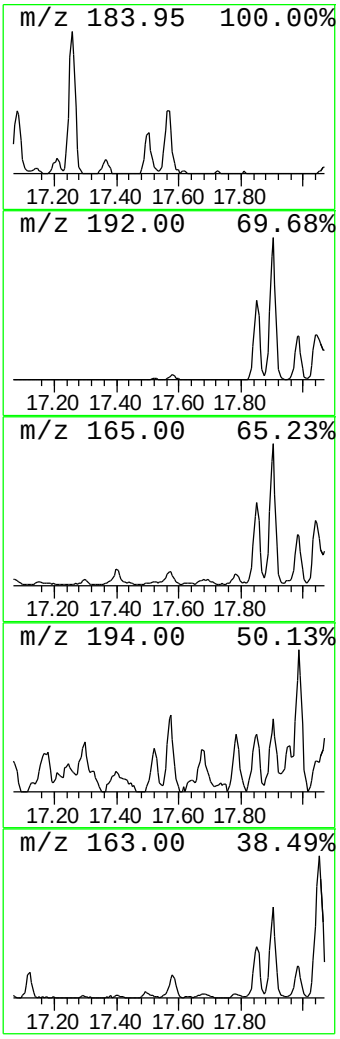
Peak Number 7 unknown-01 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	7.29 ng/ul	227938	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Amino-1-chloro-4-methylisoquin...	192	C10H9ClN2	028970-93-6	46
2	Butanedinitrile, tetraphenyl-	384	C28H20N2	003122-21-2	35
3	Pyrazole, 3-(p-chlorophenyl)-5-m...	192	C10H9ClN2	017629-27-5	30
4	2-Propenoic acid, 3-(1,3-benzodi...	192	C10H8O4	038489-76-8	27
5	Benzene, 2-bromo-1,3-difluoro-	192	C6H3BrF2	064248-56-2	22





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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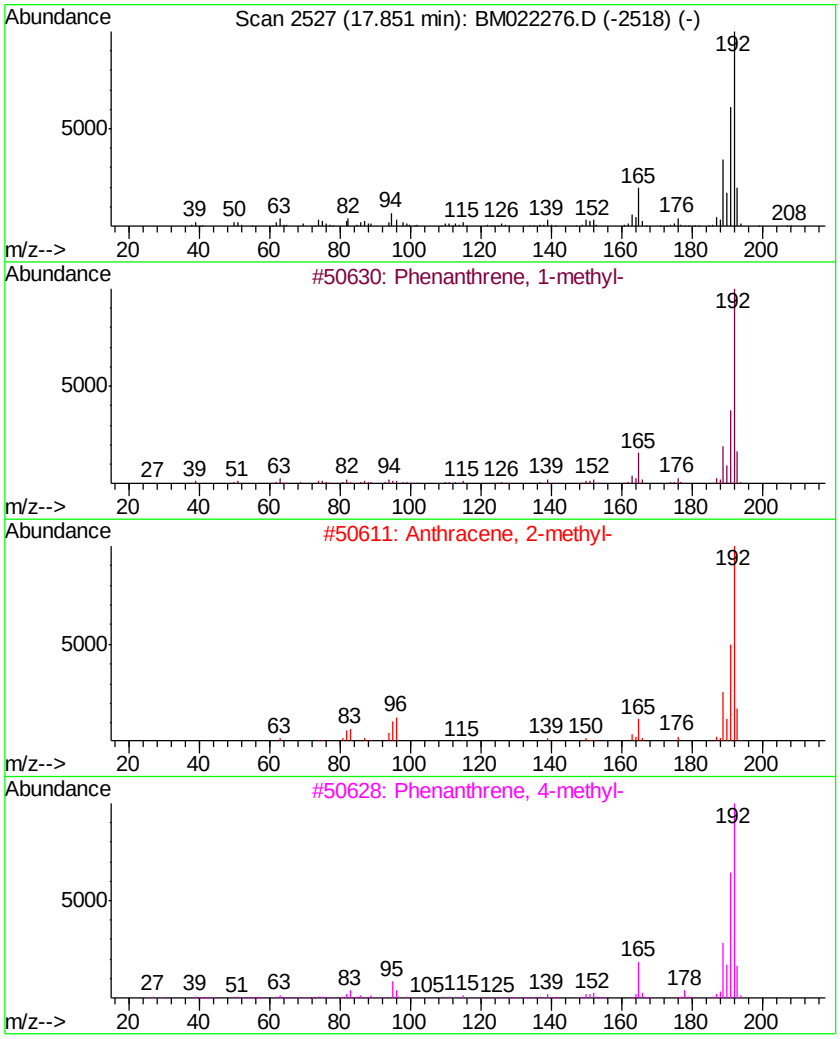
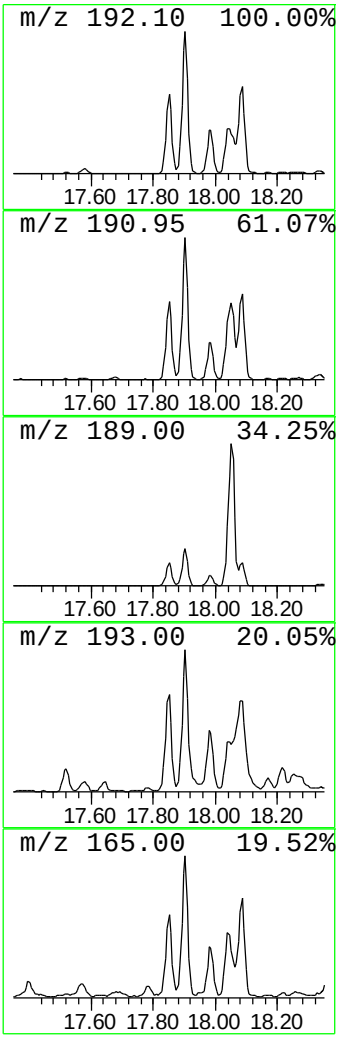
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	35.57 ng/ul	1111800	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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ClientSampleId : C0AG7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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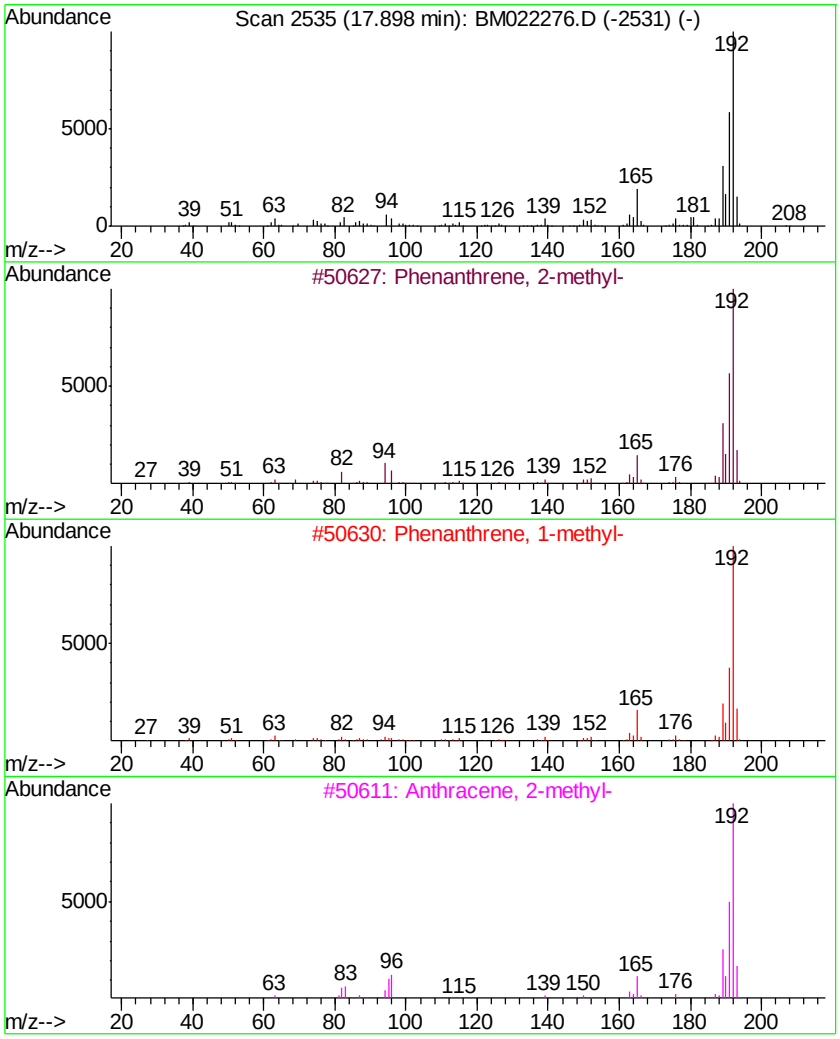
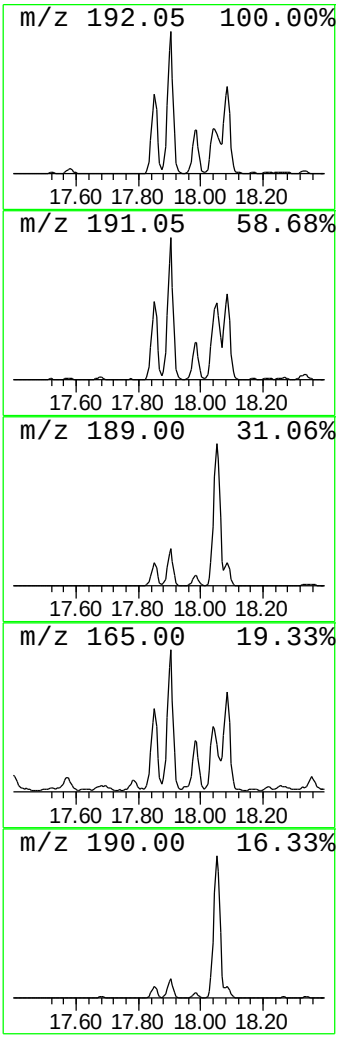
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	60.73 ng/ul	1898590	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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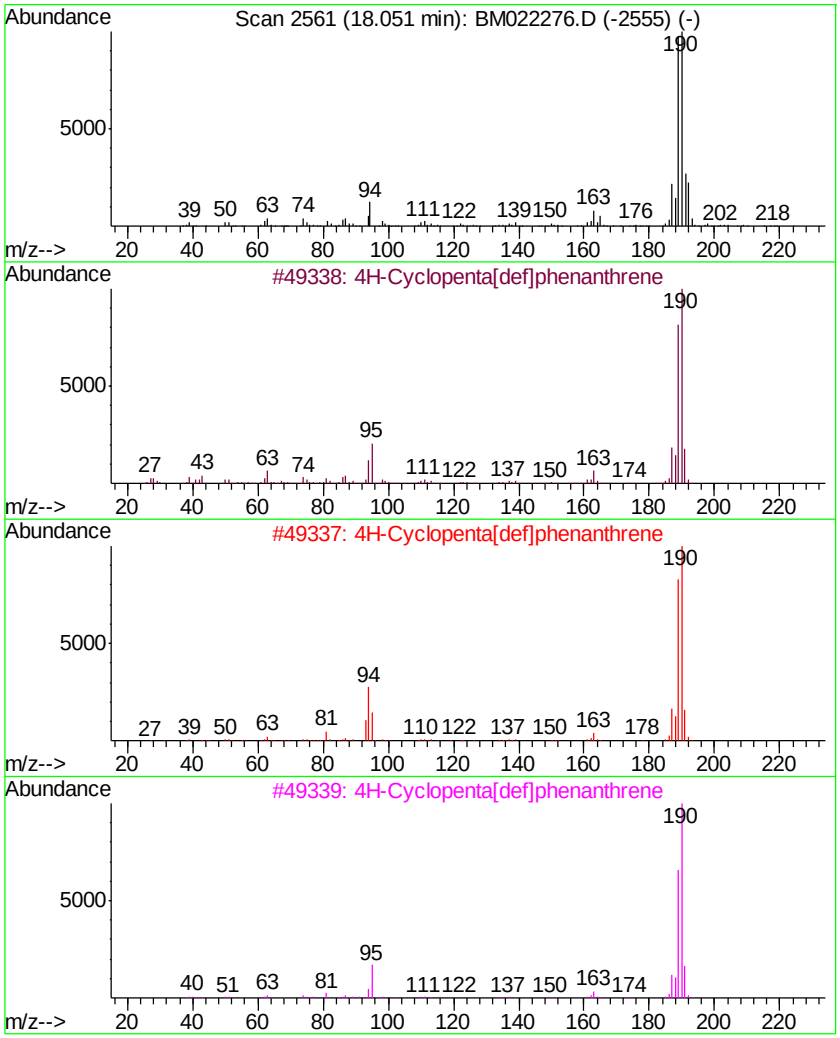
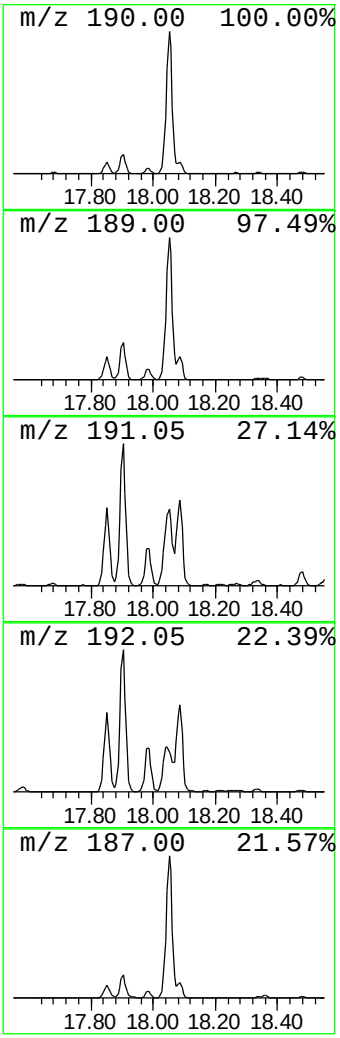
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	89.97 ng/ul	2812630	Phenanthrene-d10	16.98

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	74
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Methyl diselenide	190	C2H6Se2	007101-31-7	27





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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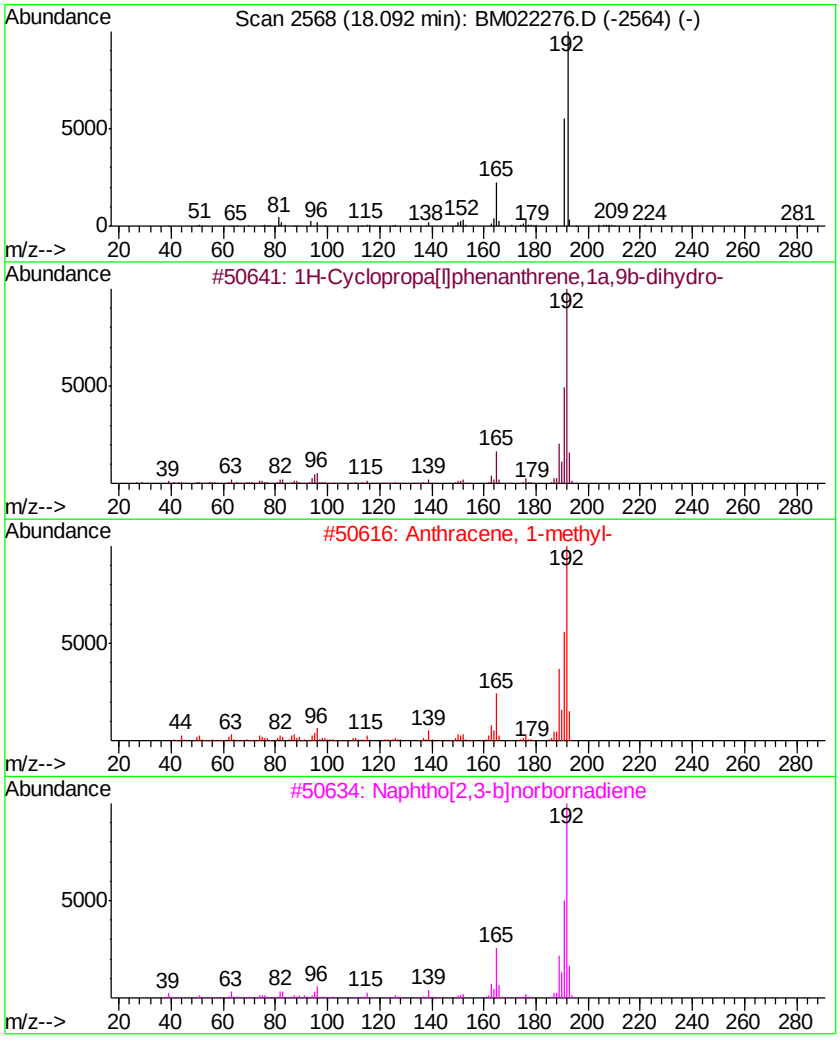
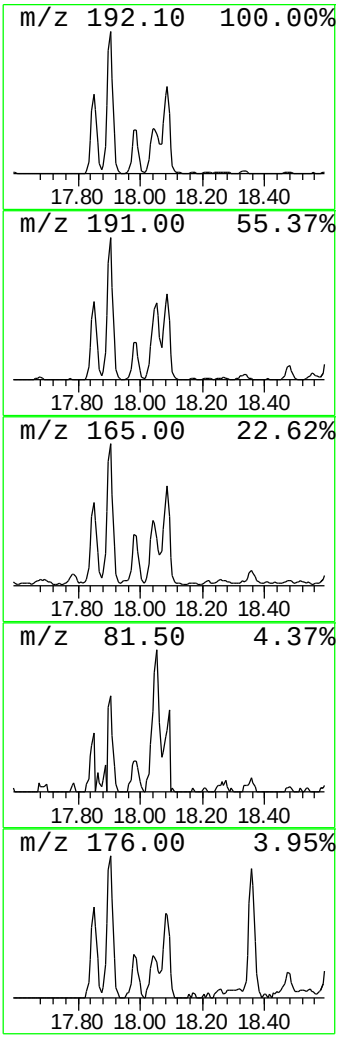
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	34.18 ng/ul	1068490	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	86
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83





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ClientSampleId : C0AG7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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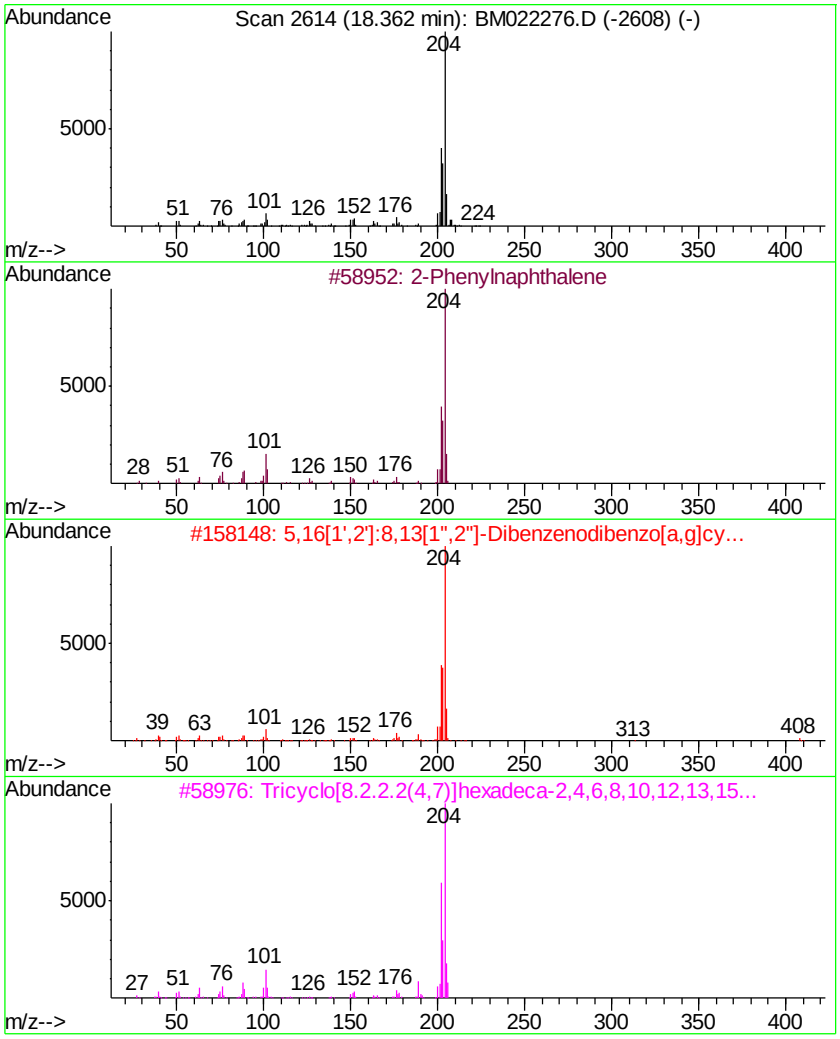
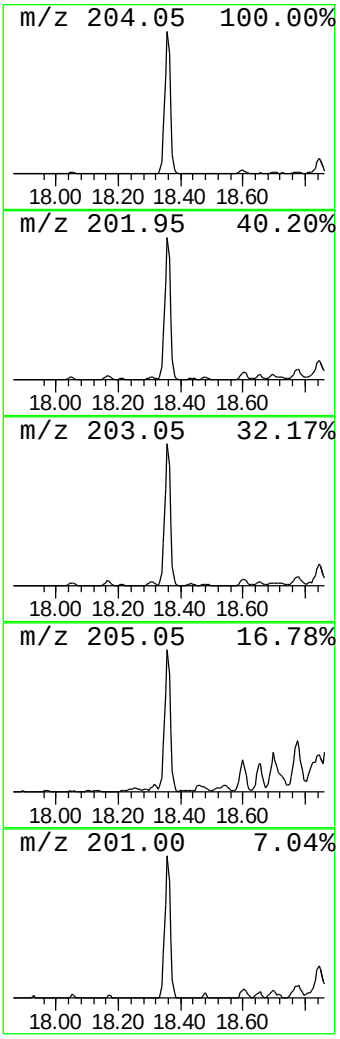
Peak Number 13 2-Phenylnaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	34.93 ng/ul	1092020	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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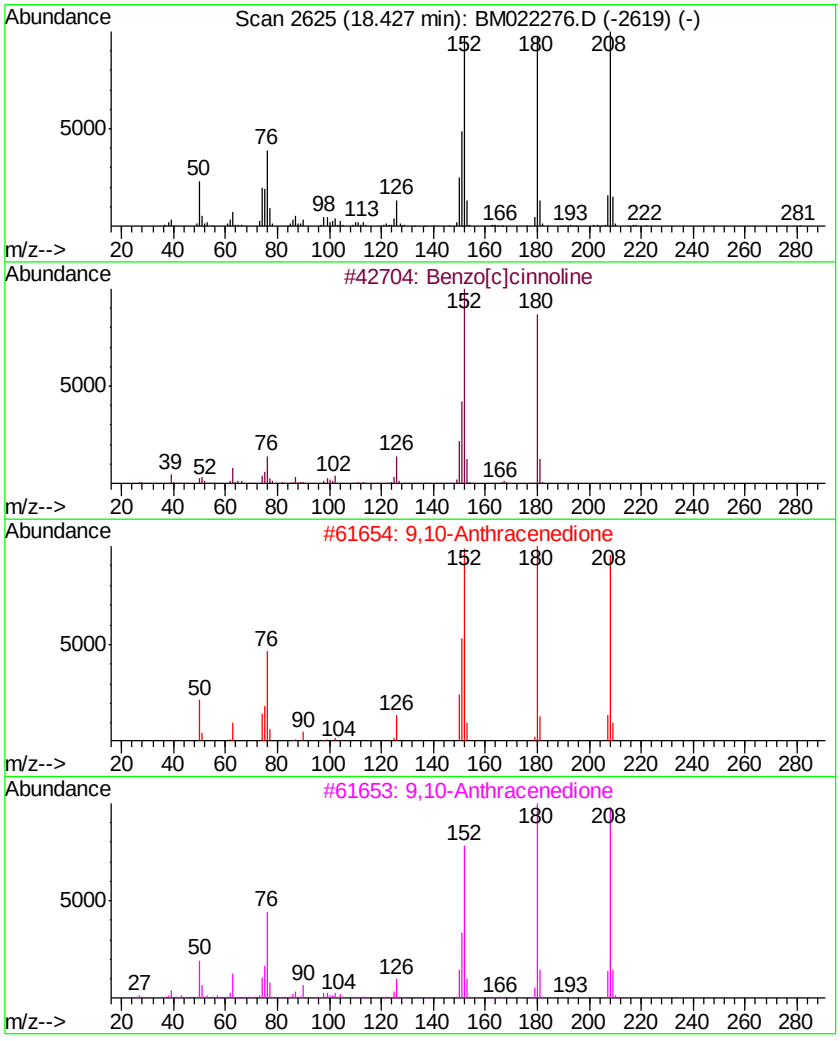
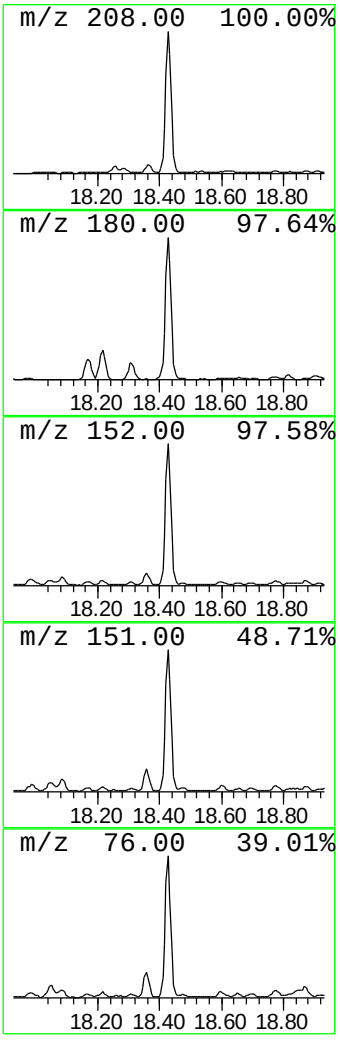
Peak Number 14 Benzo[c]cinnoline Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	34.38 ng/ul	1074800	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	83





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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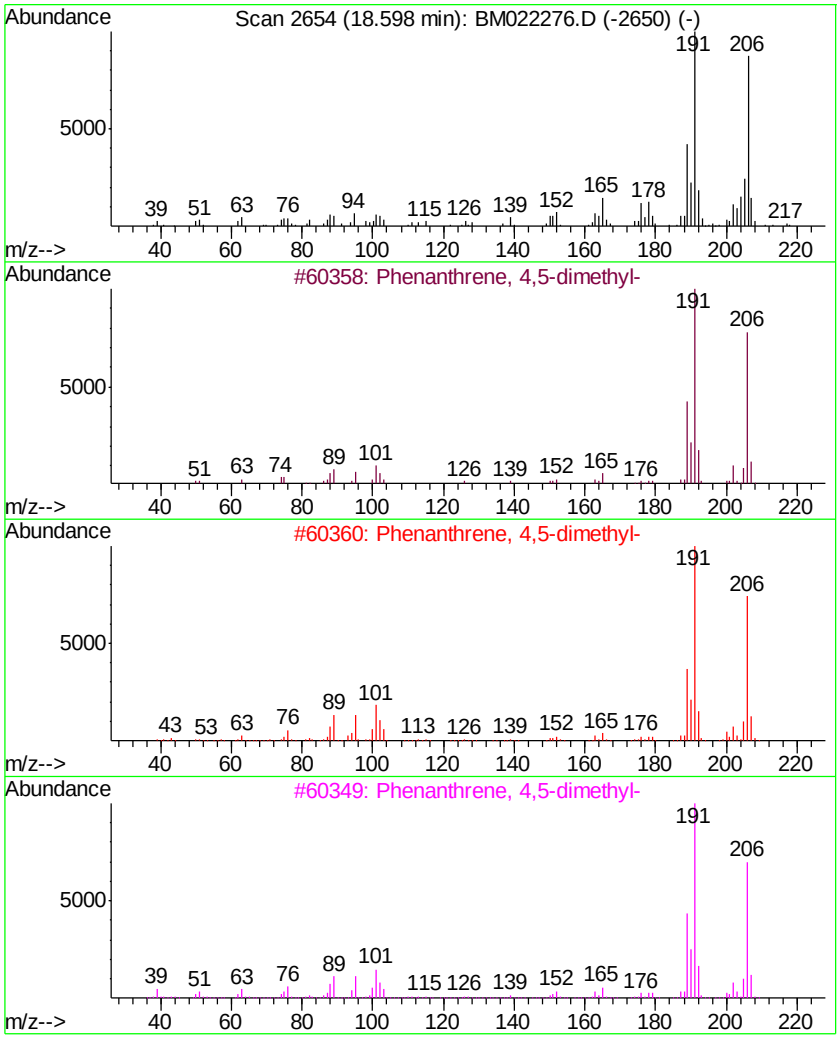
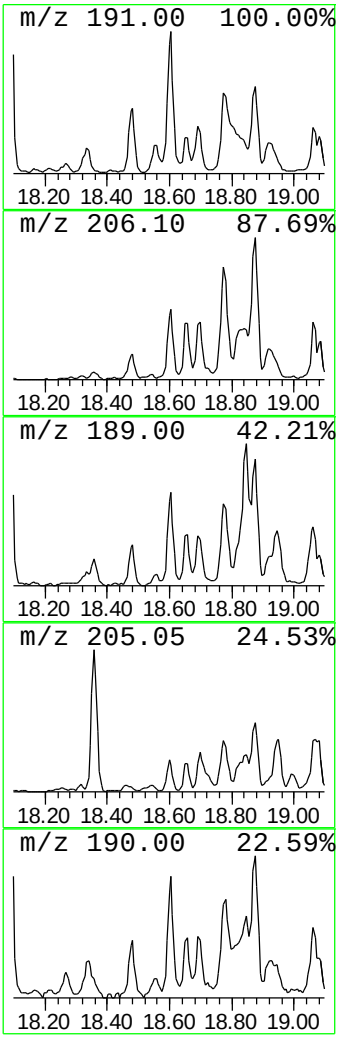
Peak Number 15 Phenanthrene, 4,5-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	10.86 ng/ul	339456	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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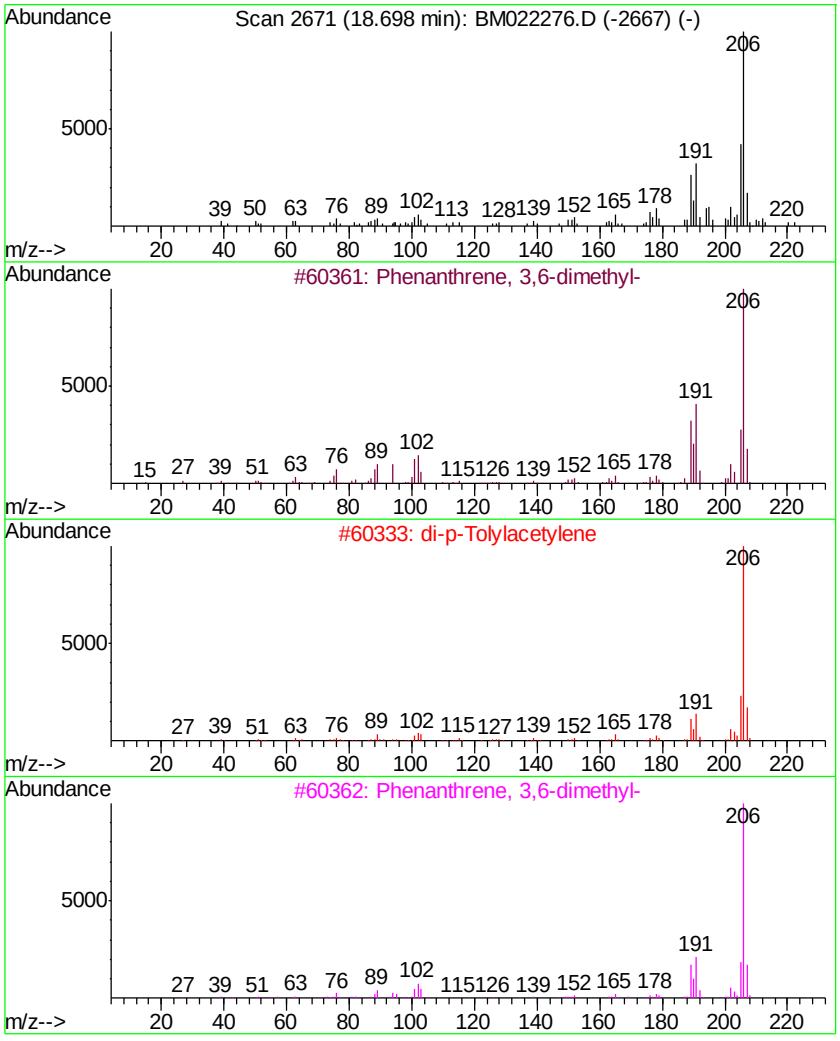
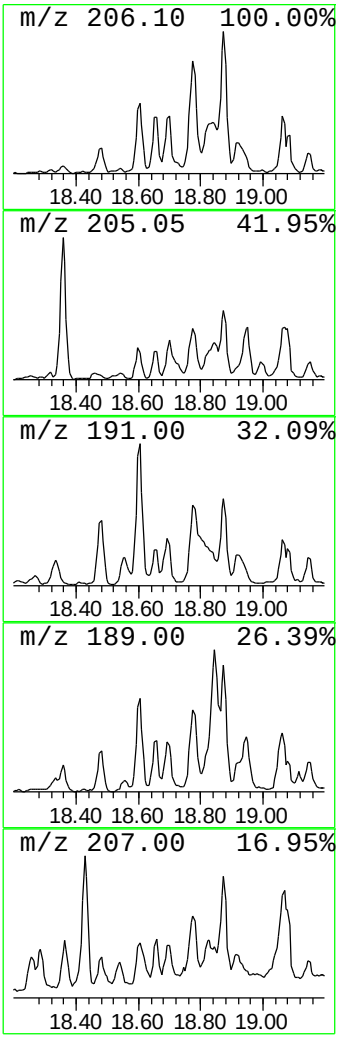
Peak Number 16 Phenanthrene, 3,6-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	5.84 ng/ul	182683	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	76





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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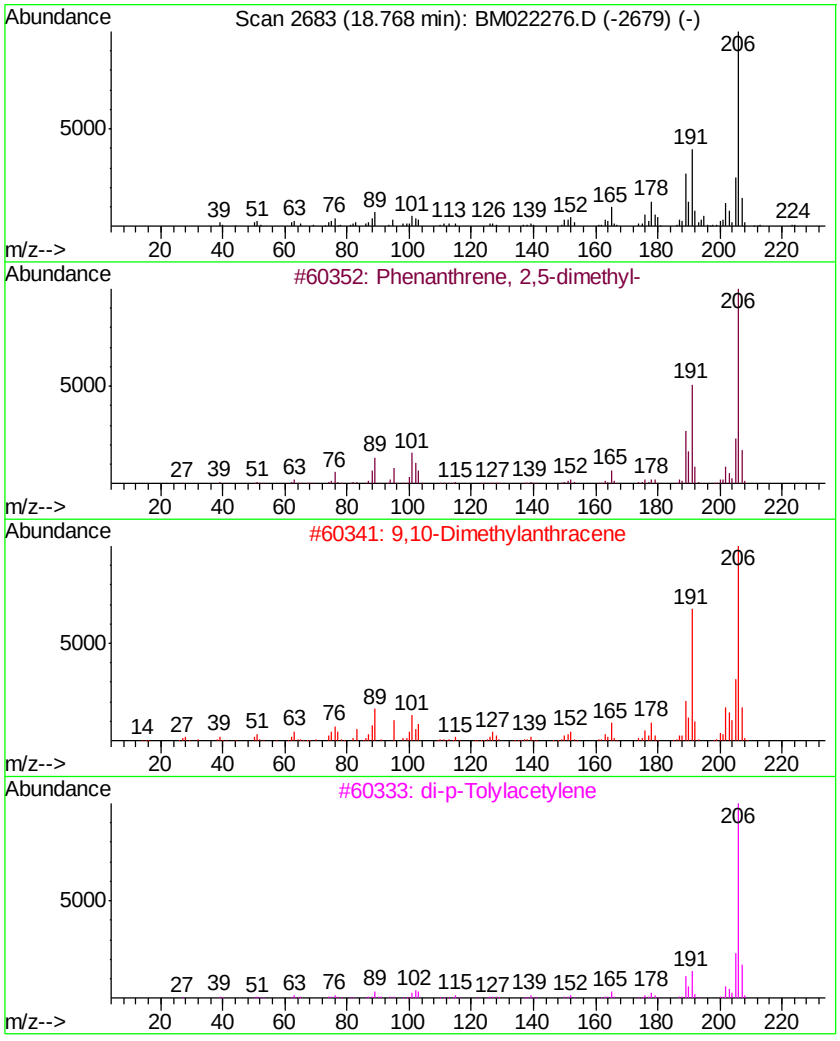
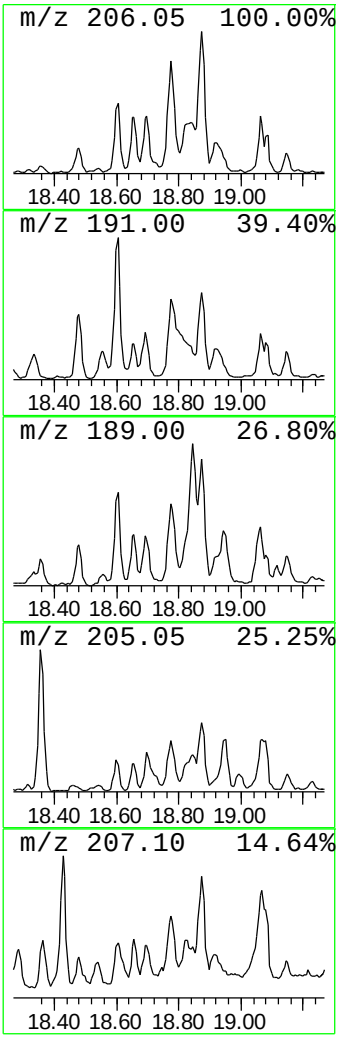
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	14.08 ng/ul	440006	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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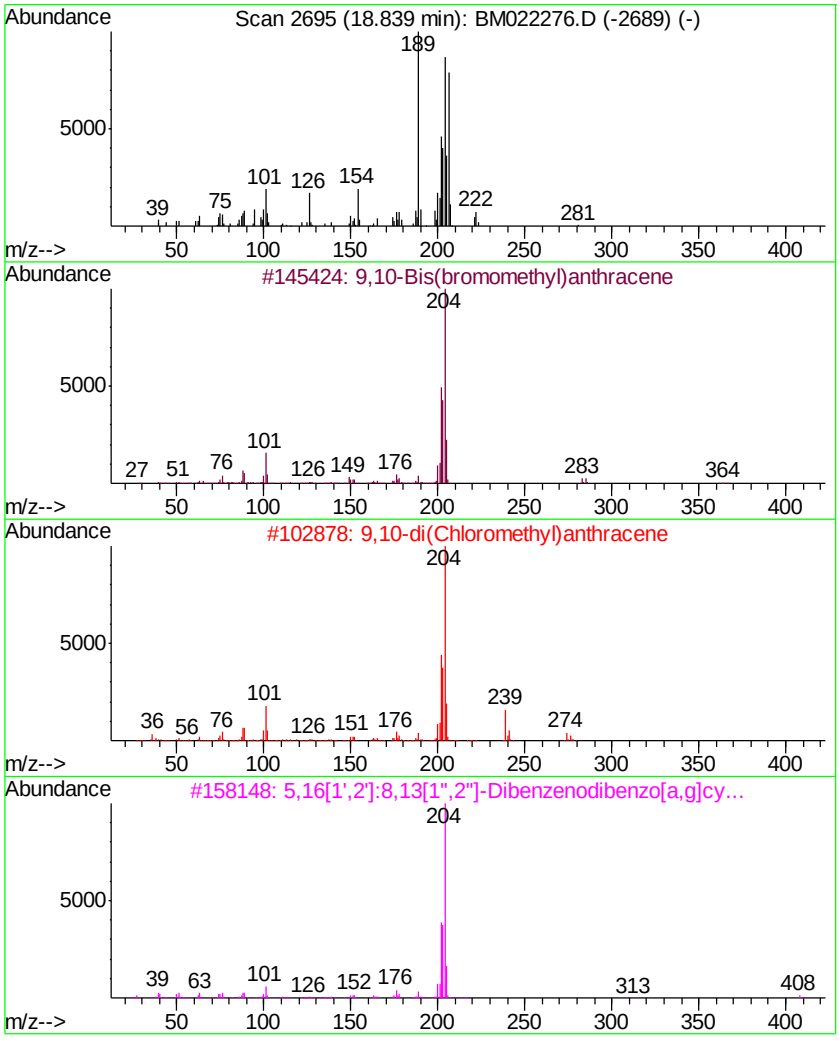
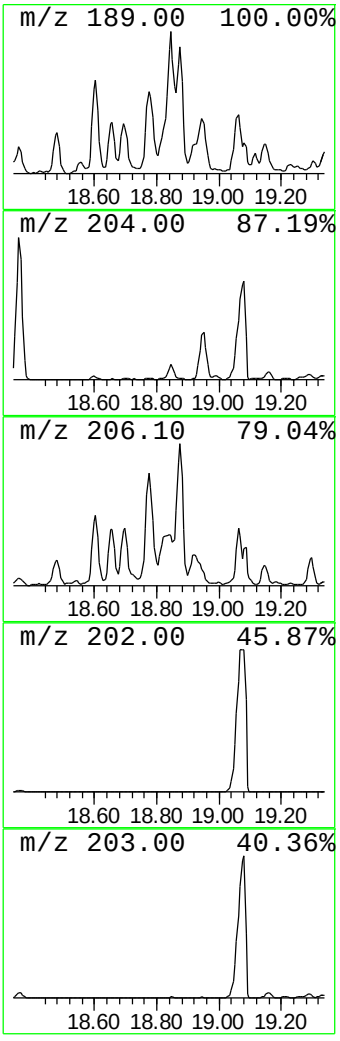
Peak Number 18 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	12.62 ng/ul	394660	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38
4	2H-1,3-Oxazine, 2-[(2,6-dimethyl...	204	C12H16N2O	054708-09-7	35
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	30





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Acq On : 24 Aug 2019 03:31
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Sample : K4242-02 5X
Misc :
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ClientSampleId : C0AG7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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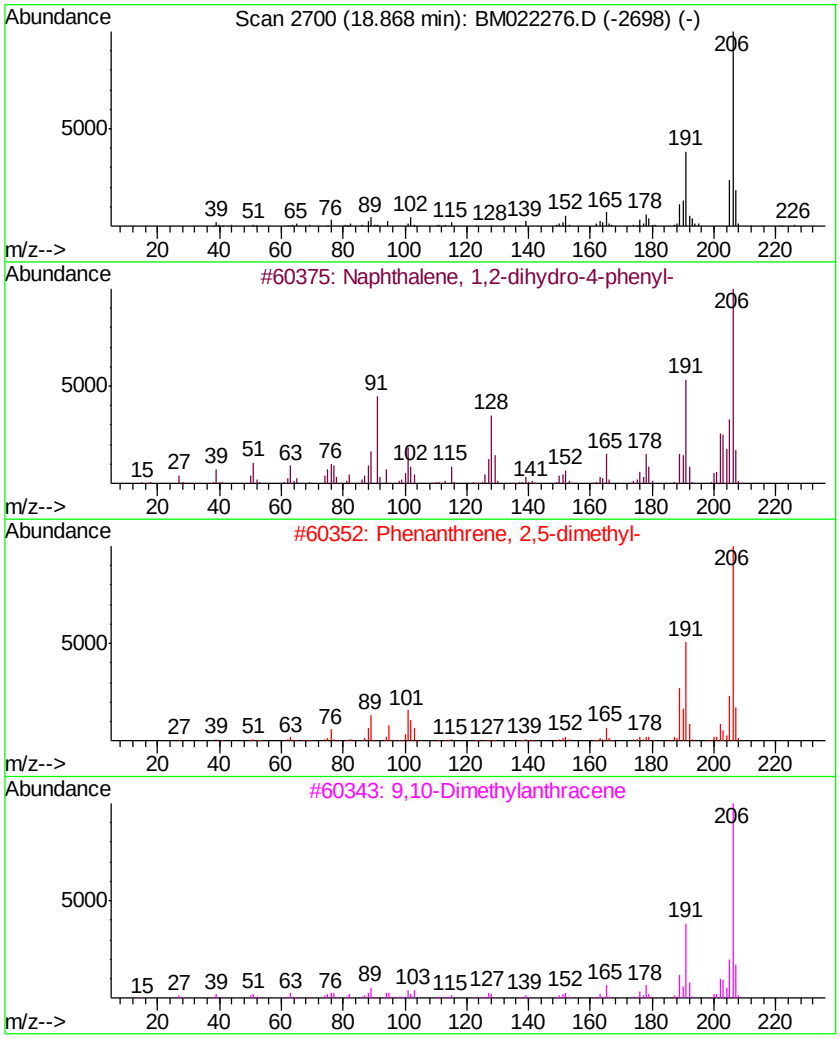
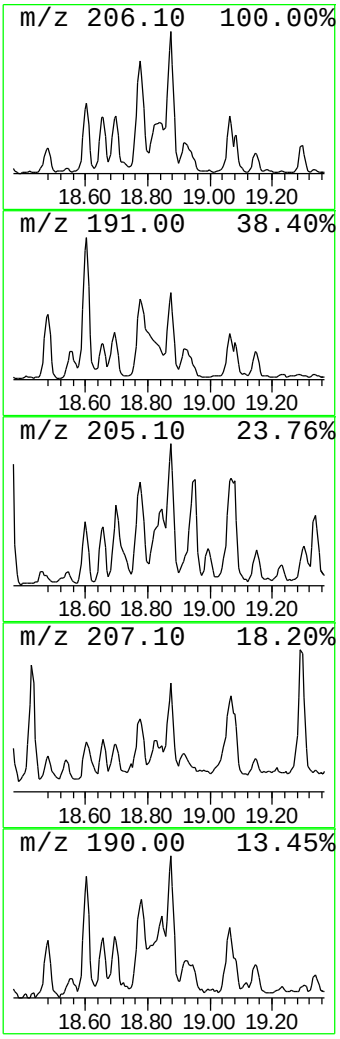
Peak Number 19 Naphthalene, 1,2-dihydro-4-... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	11.95 ng/ul	373661	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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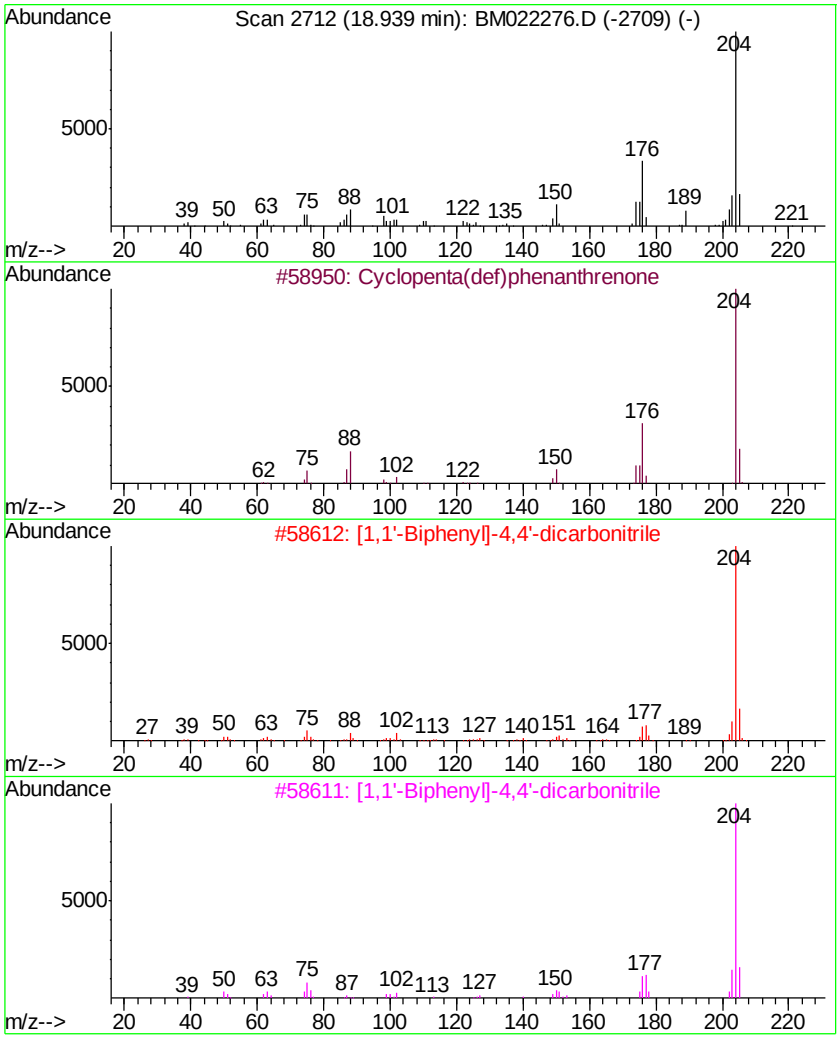
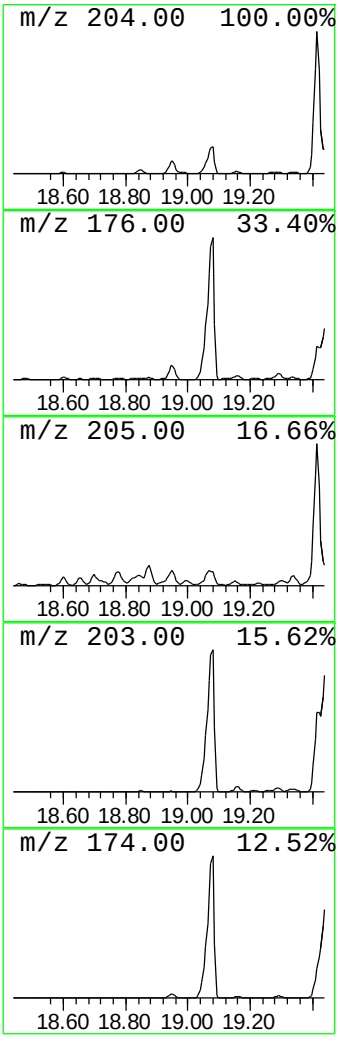
Peak Number 20 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	14.49 ng/ul	452837	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	45
5	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	45





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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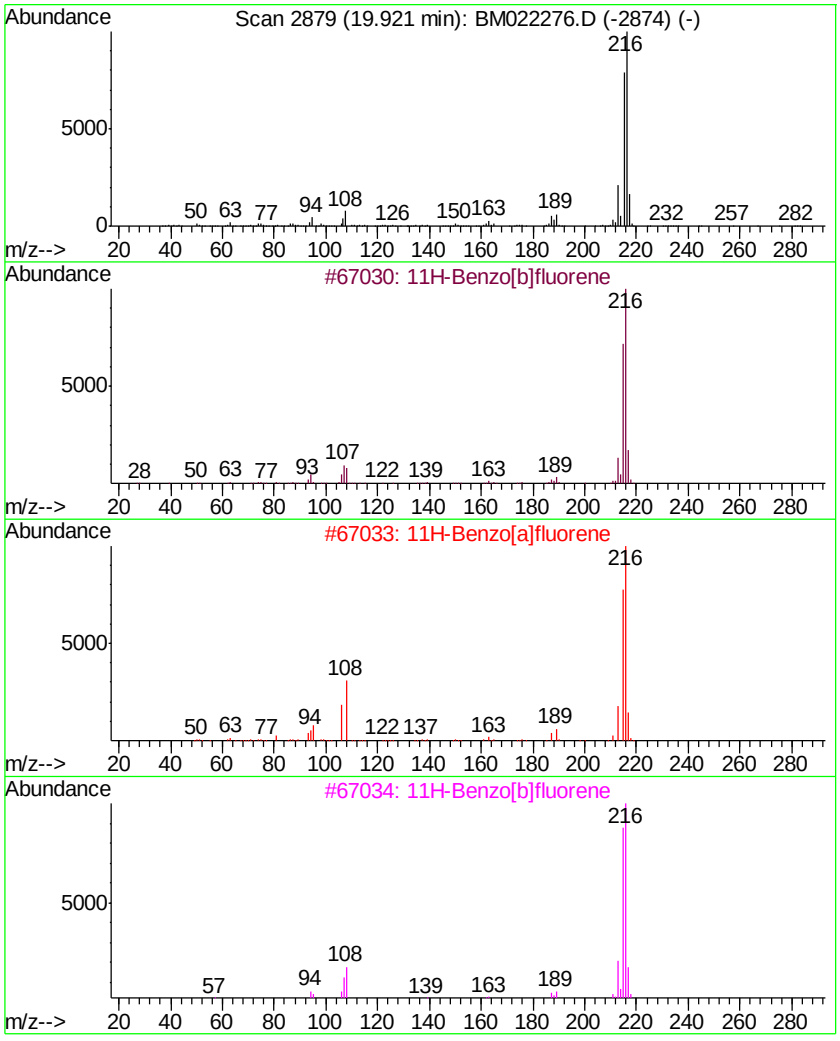
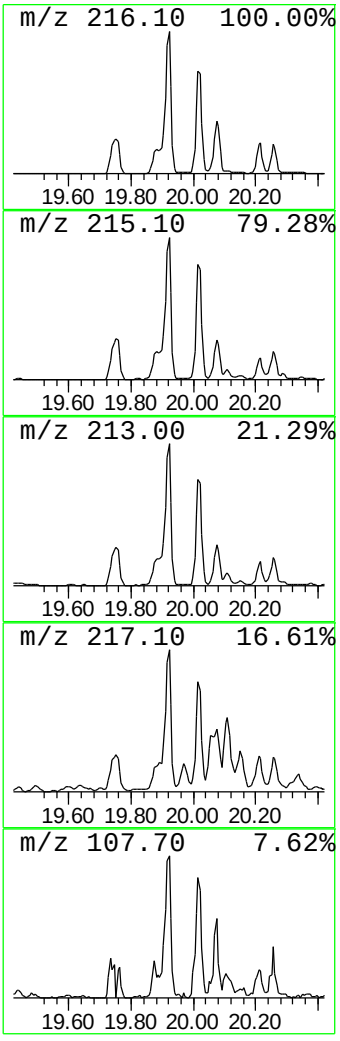
Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	3.09 ng/ul	2801910	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Sample : K4242-02 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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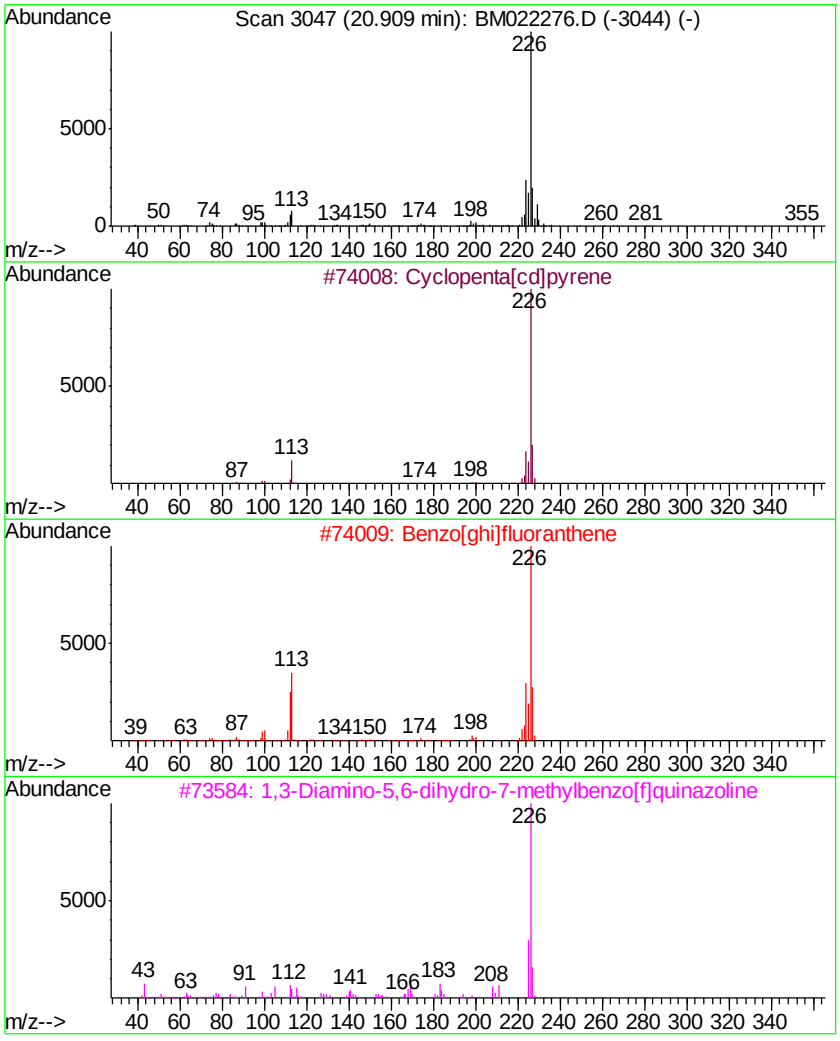
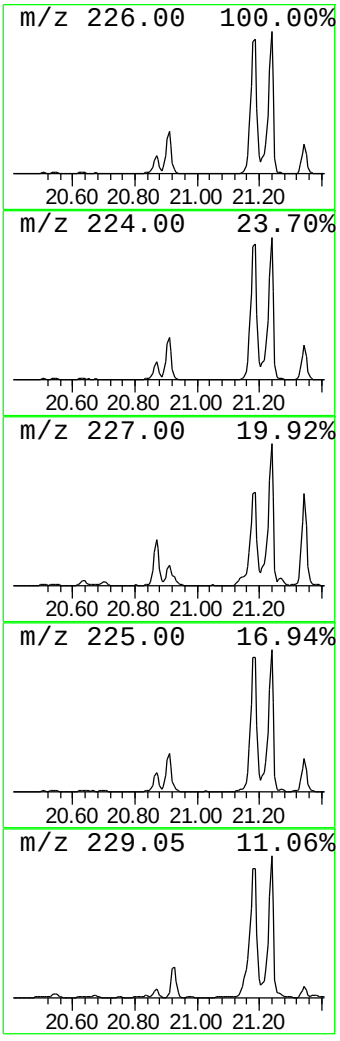
Peak Number 23 Cyclopenta[cd]pyrene Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	2.03 ng/ul	1842050	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	68
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50
4	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	50
5	2-Thiazolamine, 4-(1-naphthalenyl)-	226	C13H10N2S	056503-96-9	40





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Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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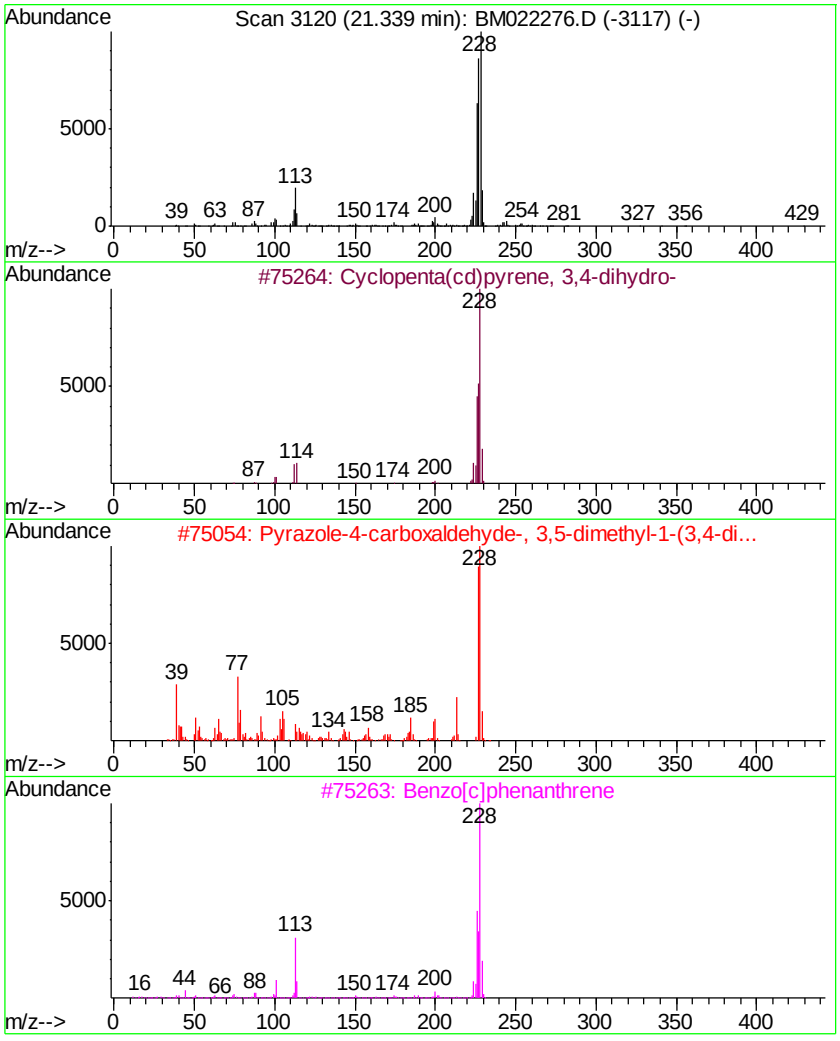
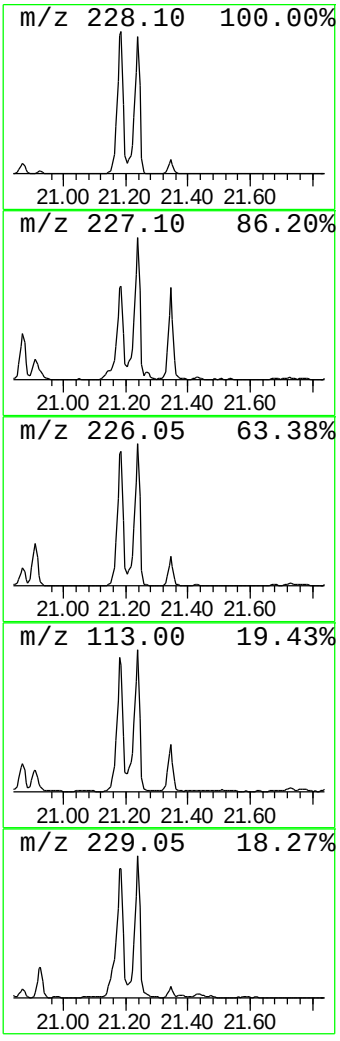
Peak Number 24 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.34	2.19 ng/ul	1986320	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	53
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	45
4	Triphenylene	228	C18H12	000217-59-4	38
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	38





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Misc :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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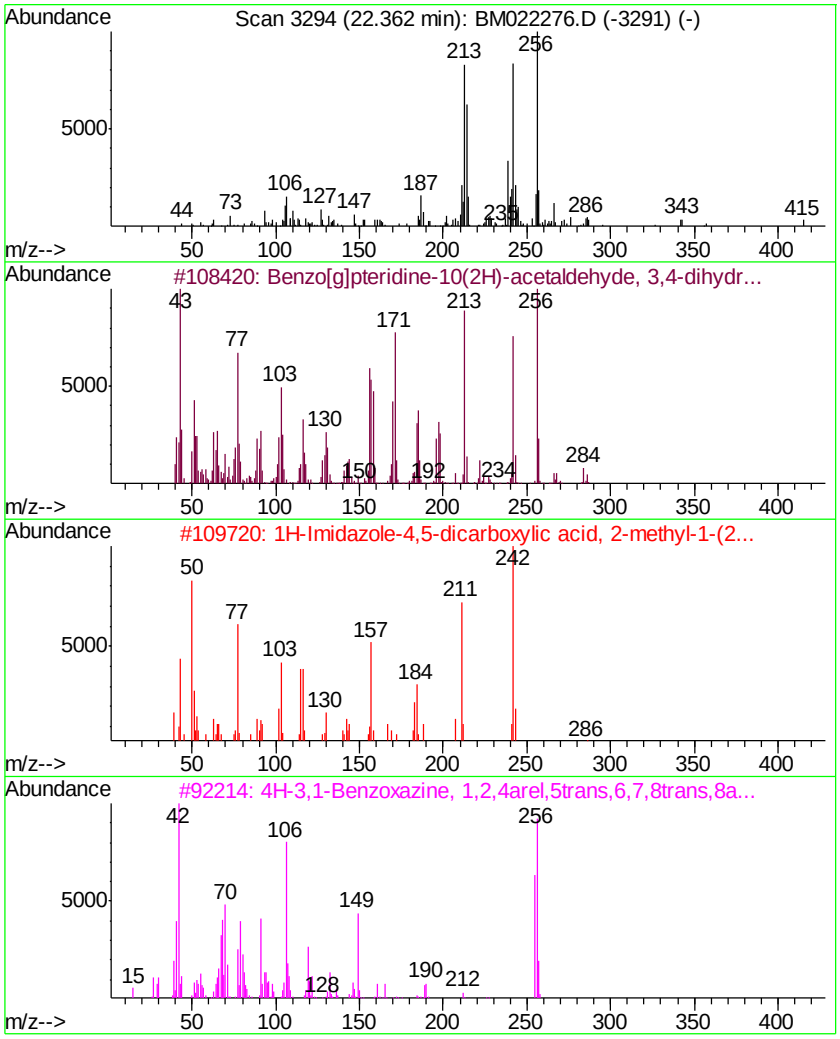
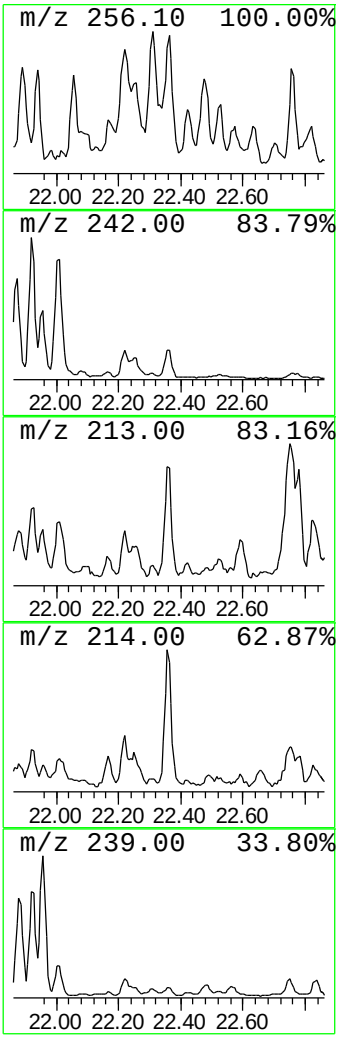
Peak Number 25 Benzo[g]pteridine-10(2H)-ac... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.36	5.95 ng/ul	179657	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[g]pteridine-10(2H)-acetald...	284	C14H12N4O3	004250-90-2	59
2	1H-Imidazole-4,5-dicarboxylic ac...	286	C15H14N2O4	056382-57-1	35
3	4H-3,1-Benzoxazine, 1,2,4arel,5t...	256	C16H20N2O	112456-37-8	25
4	3H-Indol-3-one, 2-[(1,2-dimethyl...	256	C16H20N2O	054986-55-9	25
5	Harmaline	214	C13H14N2O	000304-21-2	22





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Sample : K4242-02 5X
Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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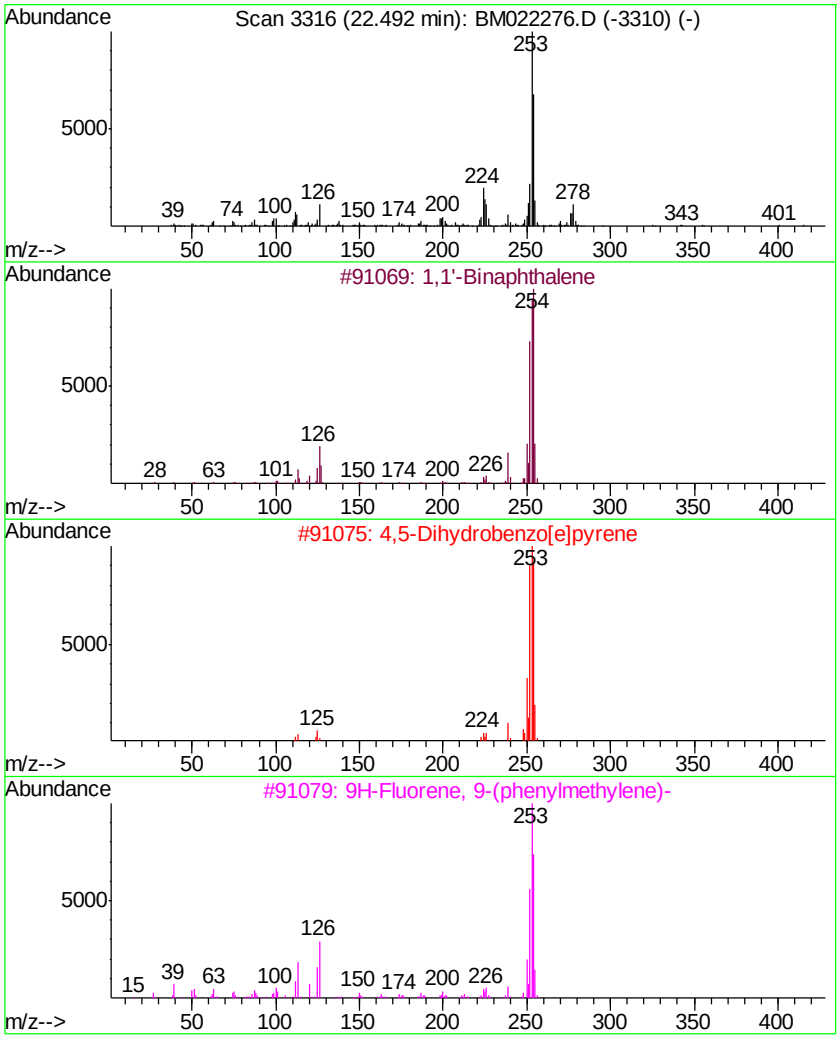
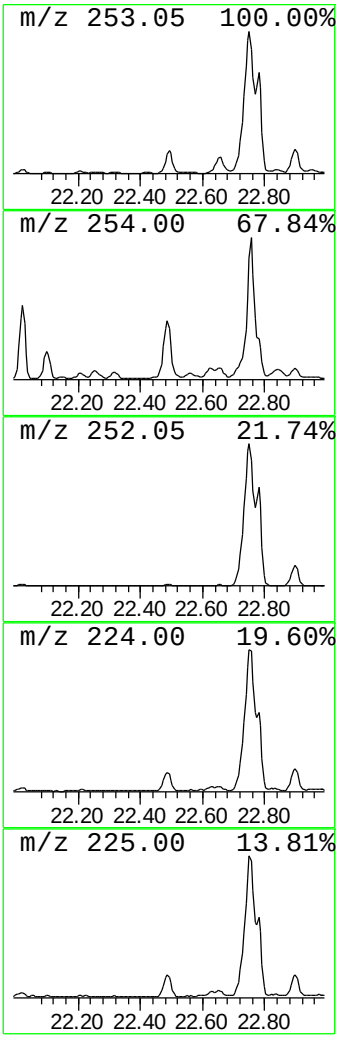
Peak Number 26 1,1'-Binaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.49	20.29 ng/ul	612478	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	76
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	76
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	68
4	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	64
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	64





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ClientSampleId : C0AG7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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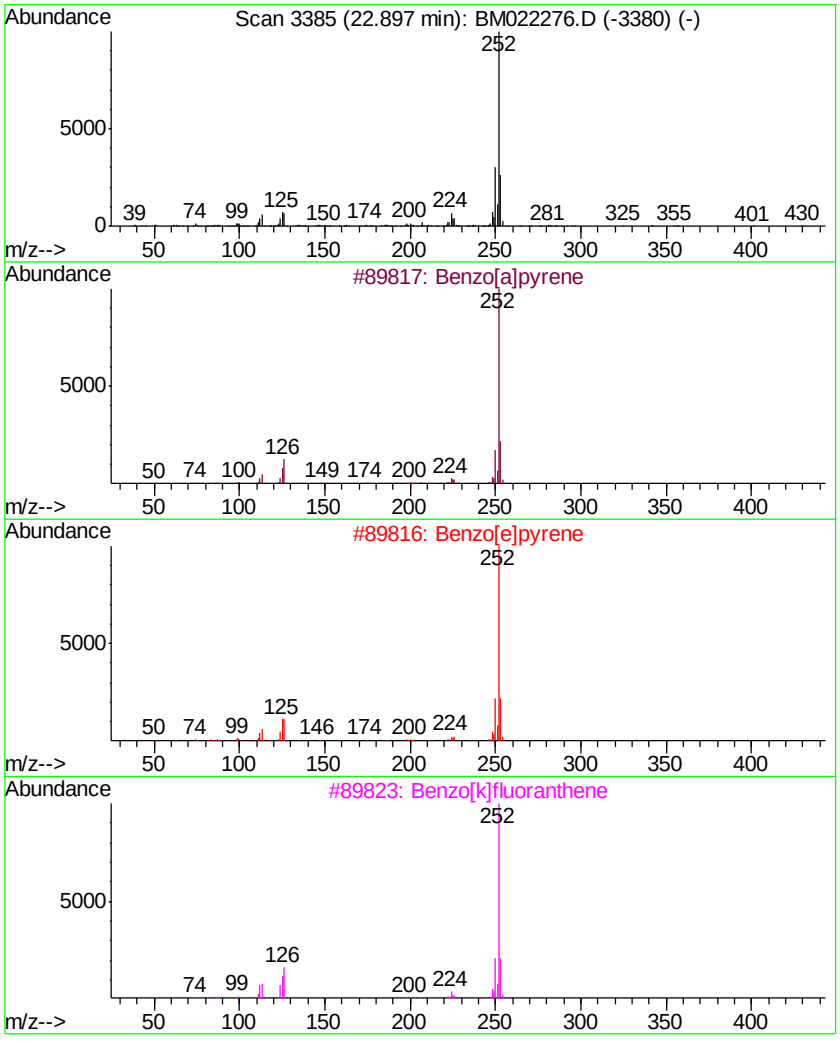
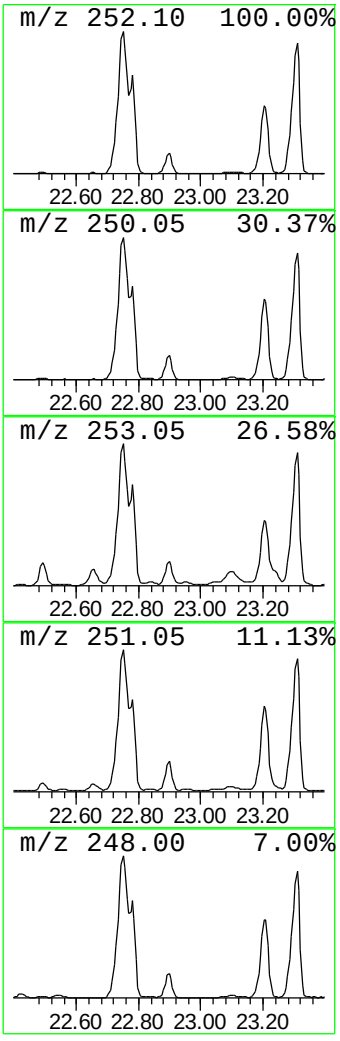
Peak Number 27 Benzo[a]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.90	37.40 ng/ul	1129070	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	91
2	Benzo[e]pyrene	252	C20H12	000192-97-2	91
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	86





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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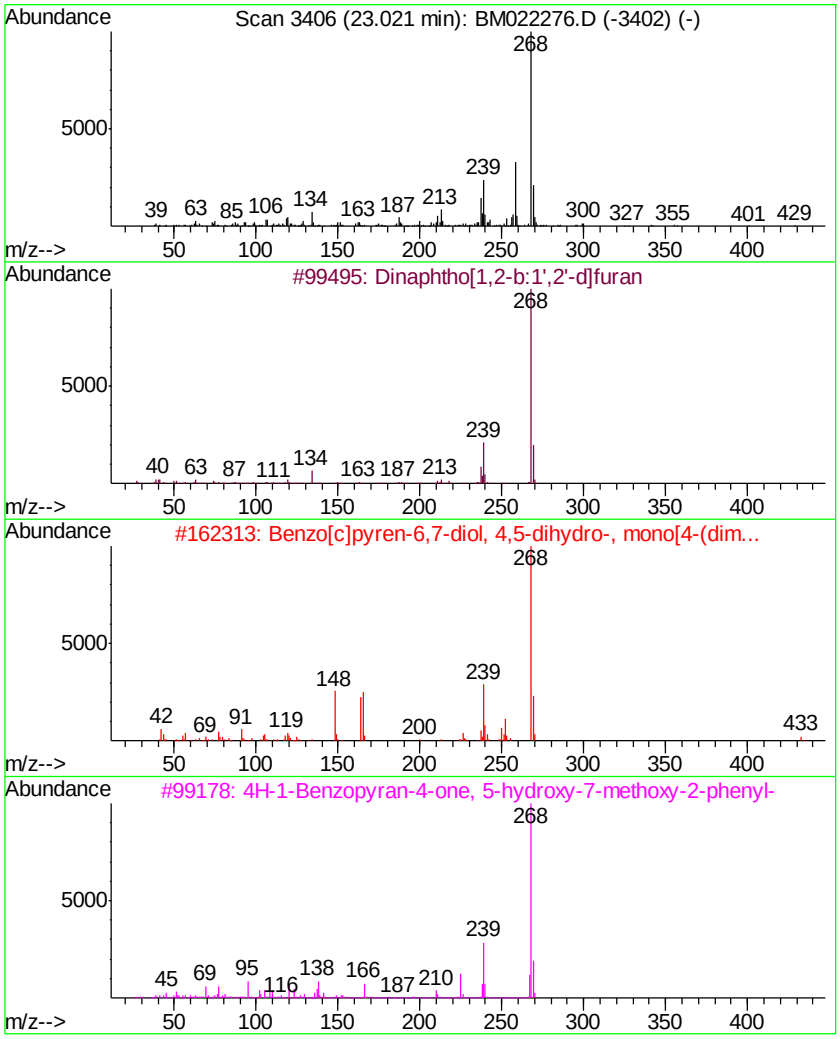
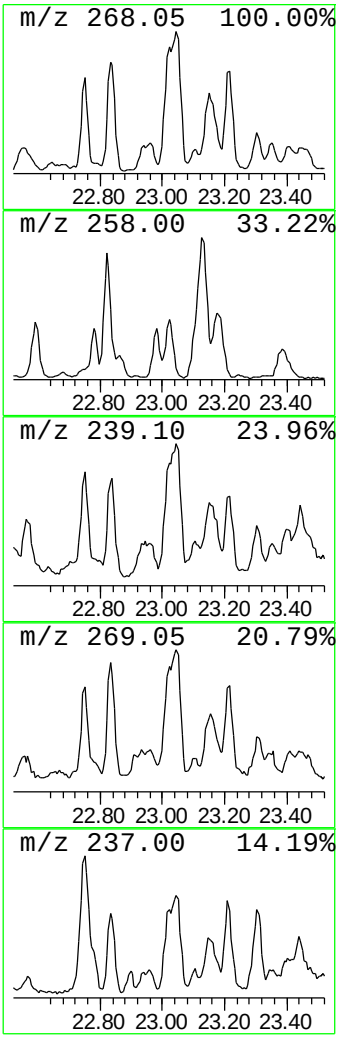
Peak Number 28 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.02	8.19 ng/ul	247124	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	91
2	Benzo[c]pyren-6,7-diol, 4,5-dihy...	433	C29H23NO3	1000124-59-9	64
3	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	64
4	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	58
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53





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Misc :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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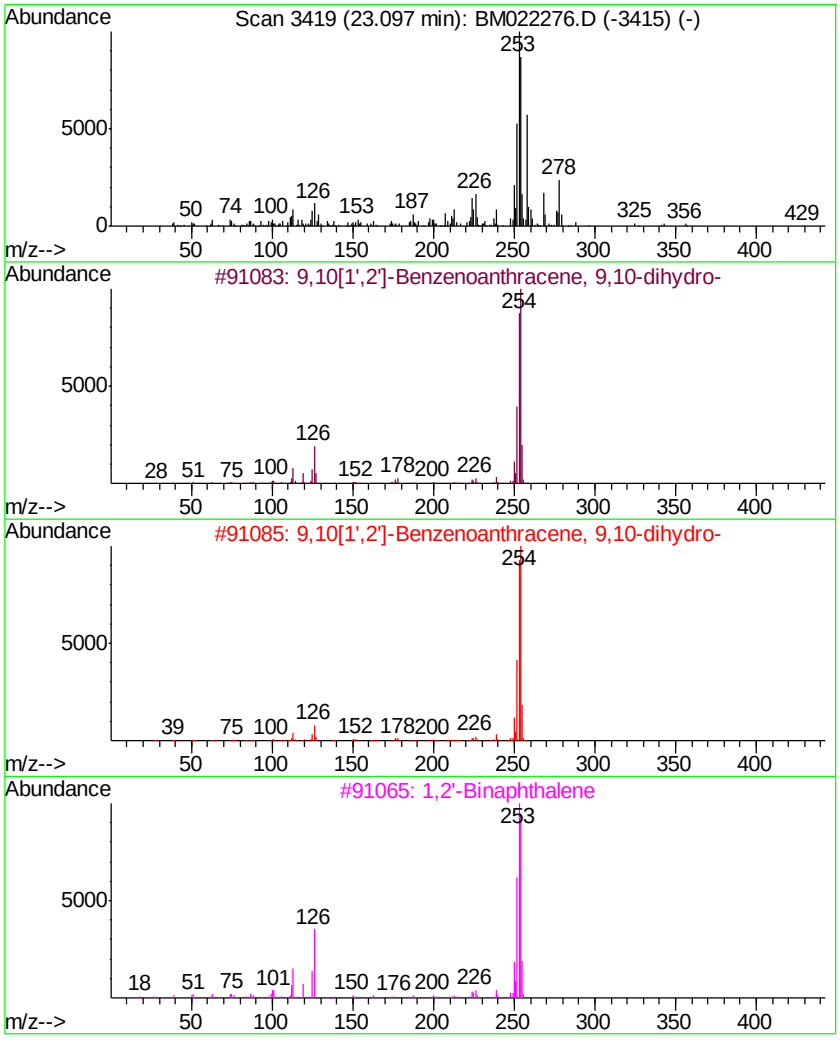
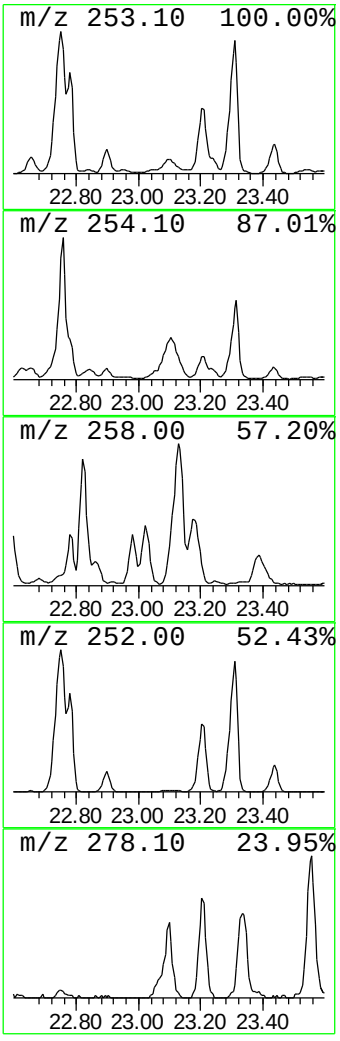
Peak Number 29 unknown-03 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.10	13.53 ng/ul	408399	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	46
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	46
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	46
4	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	46
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	43





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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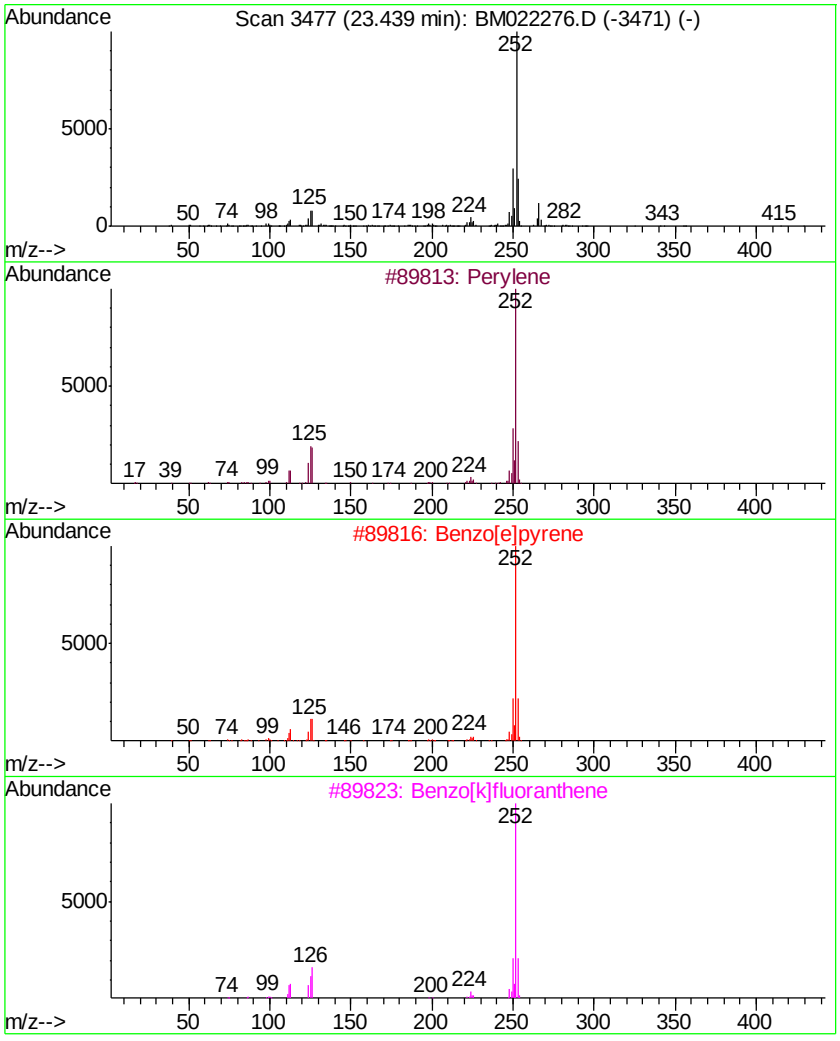
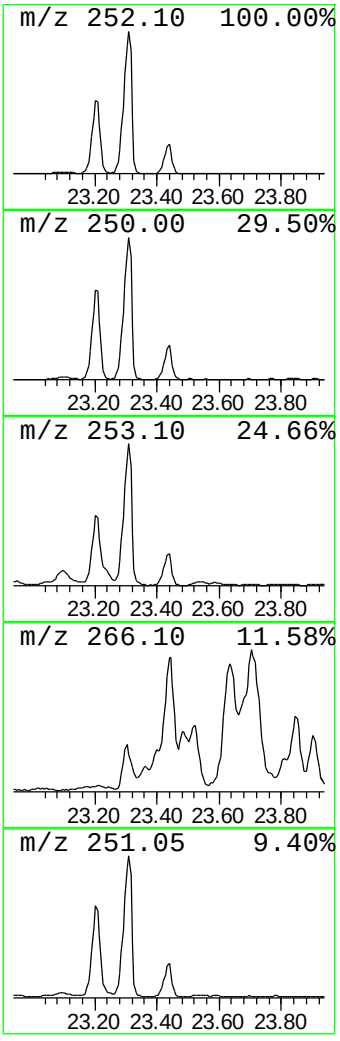
Peak Number 30 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.44	66.31 ng/ul	2001720	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022276.D
Acq On : 24 Aug 2019 03:31
Operator : HP/JU
Sample : K4242-02 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

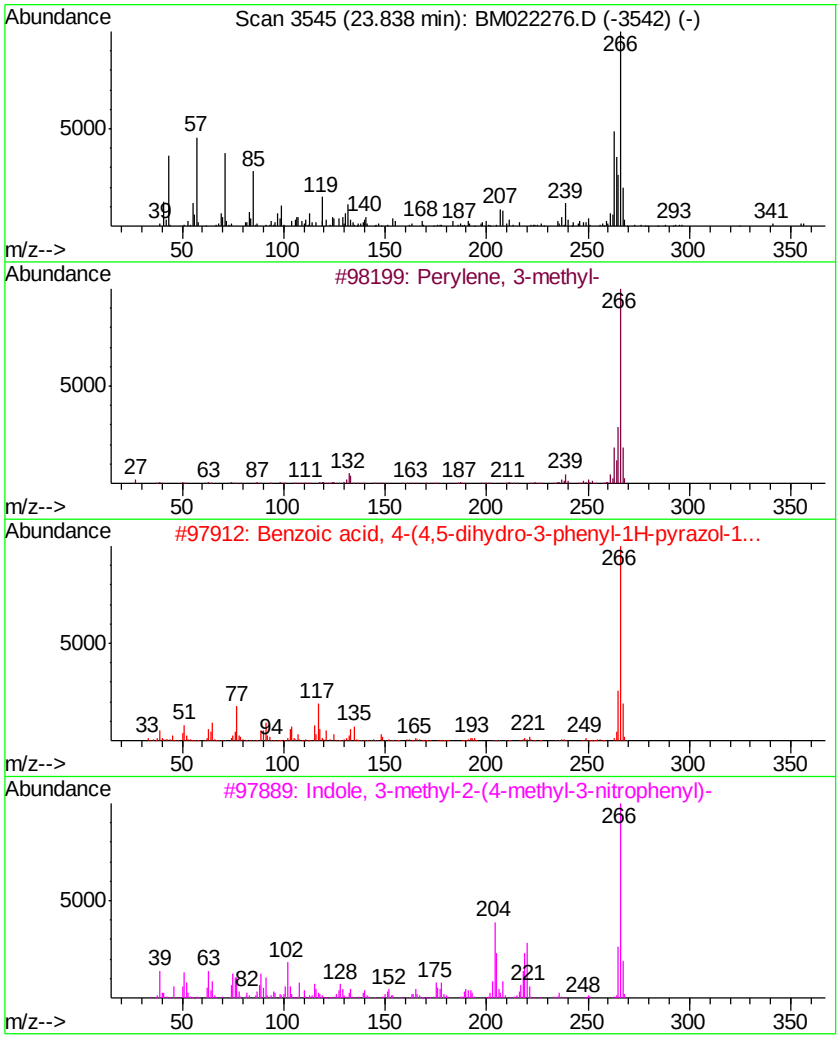
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

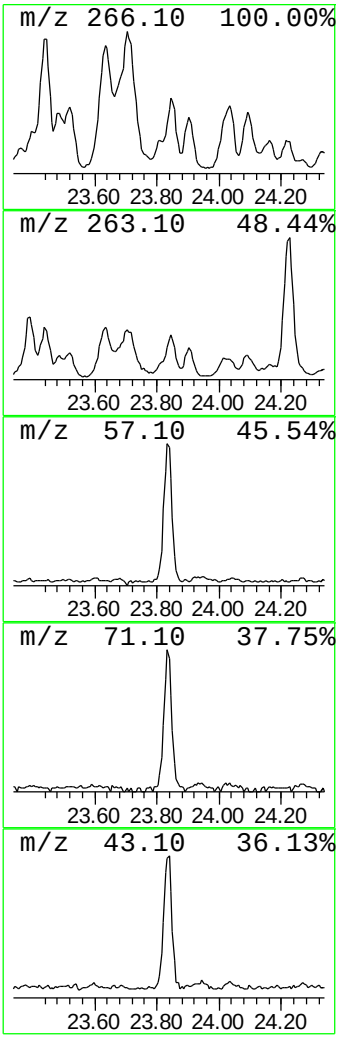
****

Peak Number 31 Perylene, 3-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.84	11.04 ng/ul	333209	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	78
2	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	43
3	Indole, 3-methyl-2-(4-methyl-3-n...	266	C16H14N2O2	311765-55-6	43
4	4'-Amino-4-dimethylaminochalcone	266	C17H18N2O	025870-72-8	43
5	Perylene, 1,2,3,3a,4,5,6,7,8,9,9...	266	C20H26	007594-86-7	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082319\
Data File : BM022276.D
Acq On : 24 Aug 2019 03:31
Operator : HP/JU
Sample : K4242-02 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Dibenzofuran, 4-m...	15.72	8.8	ng/ul	273838	4	16.98	625220	20.0
3H-Benz[e]indene,...	16.28	8.7	ng/ul	272364	4	16.98	625220	20.0
9H-Fluoren-9-one	16.64	9.0	ng/ul	281009	4	16.98	625220	20.0
Naphtho[2,3-b]thi...	16.79	26.1	ng/ul	816671	4	16.98	625220	20.0
Acridine	17.18	11.3	ng/ul	354323	4	16.98	625220	20.0
Dibenzo[a,e]cyclo...	17.50	9.8	ng/ul	305430	4	16.98	625220	20.0
unknown-01	17.57	7.3	ng/ul	227938	4	16.98	625220	20.0
Phenanthrene, 1-m...	17.85	35.6	ng/ul	1111800	4	16.98	625220	20.0
Phenanthrene, 2-m...	17.90	60.7	ng/ul	1898590	4	16.98	625220	20.0
4H-Cyclopenta[def...	18.05	90.0	ng/ul	2812630	4	16.98	625220	20.0
1H-Cyclopropa[l]p...	18.09	34.2	ng/ul	1068490	4	16.98	625220	20.0
2-Phenylnaphthalene	18.36	34.9	ng/ul	1092020	4	16.98	625220	20.0
Benzo[c]cinnoline	18.43	34.4	ng/ul	1074800	4	16.98	625220	20.0
Phenanthrene, 4,5...	18.60	10.9	ng/ul	339456	4	16.98	625220	20.0
Phenanthrene, 3,6...	18.70	5.8	ng/ul	182683	4	16.98	625220	20.0
Phenanthrene, 2,5...	18.77	14.1	ng/ul	440006	4	16.98	625220	20.0
unknown-02	18.84	12.6	ng/ul	394660	4	16.98	625220	20.0
Naphthalene, 1,2-...	18.87	11.9	ng/ul	373661	4	16.98	625220	20.0
Cyclopenta(def)ph...	18.94	14.5	ng/ul	452837	4	16.98	625220	20.0
11H-Benzo[b]fluorene	19.92	3.1	ng/ul	2801910	5	21.19	18118400	20.0
Cyclopenta[cd]pyrene	20.91	2.0	ng/ul	1842050	5	21.19	18118400	20.0
Cyclopenta(cd)pyr...	21.34	2.2	ng/ul	1986320	5	21.19	18118400	20.0
Benzo[g]pteridine...	22.36	6.0	ng/ul	179657	6	23.39	603788	20.0
1,1'-Binaphthalene	22.49	20.3	ng/ul	612478	6	23.39	603788	20.0
Benzo[a]pyrene	22.90	37.4	ng/ul	1129070	6	23.39	603788	20.0
Dinaphtho[1,2-b:1...	23.02	8.2	ng/ul	247124	6	23.39	603788	20.0
unknown-03	23.10	13.5	ng/ul	408399	6	23.39	603788	20.0
Perylene	23.44	66.3	ng/ul	2001720	6	23.39	603788	20.0
Perylene, 3-methyl-	23.84	11.0	ng/ul	333209	6	23.39	603788	20.0