LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052119\
Data File : BM020479.D
Acq On : 22 May 2019 02:52
Operator : JU/SJ
Sample : K2923-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4252

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-BM051619MA.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	6.893	658	664	678	rVB	113474	222827	4.35%	0.453%
2	7.063	688	693	703	rBV	83892	144128	2.81%	0.293%
3	7.251	720	725	733	rVB	140501	220611	4.30%	0.448%
4	7.722	799	805	813	rVB	207305	341214	6.65%	0.693%
5	8.428	919	925	937	rBV	126302	232925	4.54%	0.473%
6	8.892	998	1004	1013	rBV	102964	185897	3.63%	0.378%
7	9.604	1120	1125	1135	rVB	87174	152712	2.98%	0.310%
8	10.134	1209	1215	1228	rBV	137918	253682	4.95%	0.515%
9	10.510	1272	1279	1285	rBV	269228	451592	8.81%	0.917%
10	10.669	1299	1306	1318	rBV3	63329	143856	2.81%	0.292%
11	13.780	1830	1835	1840	rVV	286542	402916	7.86%	0.818%
12	13.833	1840	1844	1852	rVB	93608	131924	2.57%	0.268%
13	14.063	1877	1883	1895	rBV	318661	488743	9.53%	0.993%
14	14.369	1927	1935	1942	rBV2	416611	623919	12.17%	1.267%
15	14.433	1942	1946	1954	rVB	95434	133835	2.61%	0.272%
16	14.598	1967	1974	1977	rVV3	36955	62254	1.21%	0.126%
17	14.639	1977	1981	1999	rVV	195552	376524	7.34%	0.765%
18	14.769	1999	2003	2010	rVV	56927	93371	1.82%	0.190%
19	15.369	2096	2105	2110	rBV	428389	618016	12.05%	1.255%
20	15.421	2110	2114	2122	rVV2	89254	142380	2.78%	0.289%
21	15.510	2124	2129	2133	rVV	89705	136080	2.65%	0.276%
22	15.716	2160	2164	2170	rVB2	33314	49886	0.97%	0.101%
23	15.863	2180	2189	2197	rBV	34231	72480	1.41%	0.147%
24	16.404	2272	2281	2283	rBV4	24989	47237	0.92%	0.096%
25	16.427	2283	2285	2290	rVV2	24139	34267	0.67%	0.070%
26	16.651	2314	2323	2326	rBV3	26341	54035	1.05%	0.110%
27	16.692	2326	2330	2333	rVV4	34184	52157	1.02%	0.106%
28	16.780	2340	2345	2352	rVV	132146	206307	4.02%	0.419%
29	16.868	2352	2360	2368	rVV5	46661	124059	2.42%	0.252%
30	16.945	2368	2373	2380	rVB	85653	127693	2.49%	0.259%
31	17.127	2398	2404	2407	rBV	556184	851072	16.60%	1.729%
32	17.168	2407	2411	2416	rVV	2230224	2938102	57.29%	5.968%
33	17.221	2416	2420	2424	rVV2	518739	796796	15.54%	1.618%
34	17.257	2424	2426	2435	rVB	314983	382649	7.46%	0.777%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052119\
Data File : BM020479.D
Acq On : 22 May 2019 02:52
Operator : JU/SJ
Sample : K2923-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4252

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-BM051619MA.M
Title : SVOA CALIBRATION

35	17.533	2465	2473	2481	rBV	216619	407482	7.95%	0.828%
36	17.639	2488	2491	2496	rBV2	35904	56677	1.11%	0.115%
37	17.704	2498	2502	2512	rVV7	43053	102441	2.00%	0.208%
38	17.839	2522	2525	2531	rVV2	23977	40374	0.79%	0.082%
39	17.998	2546	2552	2556	rVV	275716	421901	8.23%	0.857%
40	18.045	2556	2560	2566	rVV	343748	481900	9.40%	0.979%
41	18.127	2570	2574	2579	rVV	90029	134135	2.62%	0.272%
42	18.192	2579	2585	2589	rVV2	291749	565789	11.03%	1.149%
43	18.227	2589	2591	2597	rVB	181772	224609	4.38%	0.456%
44	18.310	2599	2605	2608	rVV3	32437	49189	0.96%	0.100%
45	18.351	2608	2612	2616	rVV	33241	45385	0.89%	0.092%
46	18.392	2616	2619	2623	rVV4	21946	34929	0.68%	0.071%
47	18.445	2623	2628	2633	rVV6	21163	43501	0.85%	0.088%
48	18.504	2633	2638	2642	rVV	199494	273979	5.34%	0.556%
49	18.551	2642	2646	2652	rVV	254057	370969	7.23%	0.753%
50	18.621	2655	2658	2665	rVB2	28389	43942	0.86%	0.089%
51	18.745	2676	2679	2684	rBV2	53553	77205	1.51%	0.157%
52	18.798	2684	2688	2691	rVB2	44810	58353	1.14%	0.119%
53	18.839	2691	2695	2699	rVB2	52076	70975	1.38%	0.144%
54	18.921	2702	2709	2713	rBV	141741	284451	5.55%	0.578%
55	19.009	2722	2724	2728	rVB2	58411	67452	1.32%	0.137%
56	19.068	2728	2734	2740	rVB2	211608	357702	6.98%	0.727%
57	19.192	2747	2755	2762	rVV	3874208	5128038	100.00%	10.416%
58	19.251	2762	2765	2767	rVV	47047	55692	1.09%	0.113%
59	19.286	2767	2771	2777	rVB2	89287	132610	2.59%	0.269%
60	19.392	2784	2789	2792	rBV3	55600	99663	1.94%	0.202%
61	19.433	2792	2796	2799	rVB	64211	93826	1.83%	0.191%
62	19.521	2806	2811	2813	rBV2	1222173	1702396	33.20%	3.458%
63	19.557	2813	2817	2824	rVV	2992612	4031422	78.62%	8.188%
64	19.621	2824	2828	2835	rVB2	178631	271873	5.30%	0.552%
65	19.733	2841	2847	2853	rBV	152331	224579	4.38%	0.456%
66	19.792	2853	2857	2865	rVB2	67082	125801	2.45%	0.256%
67	19.874	2865	2871	2879	rBV2	198112	529230	10.32%	1.075%
68	19.939	2879	2882	2889	rVV4	51261	113887	2.22%	0.231%
69	20.045	2889	2900	2905	rVV2	279273	730061	14.24%	1.483%
70	20.145	2913	2917	2920	rBV	85406	112294	2.19%	0.228%
71	20.204	2920	2927	2931	rVV2	256622	457361	8.92%	0.929%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052119\
Data File : BM020479.D
Acq On : 22 May 2019 02:52
Operator : JU/SJ
Sample : K2923-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4252

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-BM051619MA.M
Title : SVOA CALIBRATION

72	20.245	2931	2934	2937	rVV	111308	134045	2.61%	0.272%
73	20.286	2937	2941	2945	rVB	74542	111512	2.17%	0.226%
74	20.345	2947	2951	2954	rBV2	167919	224512	4.38%	0.456%
75	20.392	2955	2959	2962	rVB	158164	205769	4.01%	0.418%
76	20.480	2971	2974	2978	rBV4	52452	92552	1.80%	0.188%
77	20.545	2983	2985	2990	rVB4	52600	65996	1.29%	0.134%
78	20.680	3006	3008	3010	rVB2	41041	33900	0.66%	0.069%
79	20.798	3023	3028	3034	rBV	502783	648474	12.65%	1.317%
80	20.956	3049	3055	3059	rBV2	342375	606834	11.83%	1.233%
81	21.003	3059	3063	3066	rVV3	365068	605203	11.80%	1.229%
82	21.039	3066	3069	3075	rVV2	264759	548787	10.70%	1.115%
83	21.098	3075	3079	3089	rVB	492603	729140	14.22%	1.481%
84	21.303	3107	3114	3120	rBV3	1760206	4021945	78.43%	8.169%
85	21.362	3120	3124	3133	rVB	1326313	2094083	40.84%	4.253%
86	21.468	3139	3142	3149	rVB	187260	244487	4.77%	0.497%
87	21.533	3150	3153	3156	rBV3	106009	154243	3.01%	0.313%
88	21.686	3176	3179	3183	rBV3	63812	74898	1.46%	0.152%
89	21.815	3198	3201	3203	rBV	64337	83904	1.64%	0.170%
90	21.874	3207	3211	3215	rVV2	317550	528113	10.30%	1.073%
91	21.921	3216	3219	3226	rVB2	157961	266999	5.21%	0.542%
92	22.074	3241	3245	3248	rBV	112472	179990	3.51%	0.366%
93	22.386	3295	3298	3309	rVB7	193395	436573	8.51%	0.887%
94	22.862	3376	3379	3382	rBV	112767	125289	2.44%	0.254%
95	22.915	3382	3388	3393	rBV	1240037	2802348	54.65%	5.692%
96	23.092	3414	3418	3423	rVB	131382	225329	4.39%	0.458%
97	23.415	3467	3473	3479	rBV	540717	1535755	29.95%	3.119%
98	23.515	3486	3490	3500	rVB	781905	1692772	33.01%	3.438%
99	23.627	3502	3509	3514	rBV	439269	1101147	21.47%	2.237%
100	24.103	3585	3590	3598	rVB4	148406	341450	6.66%	0.694%

Sum of corrected areas: 49234268

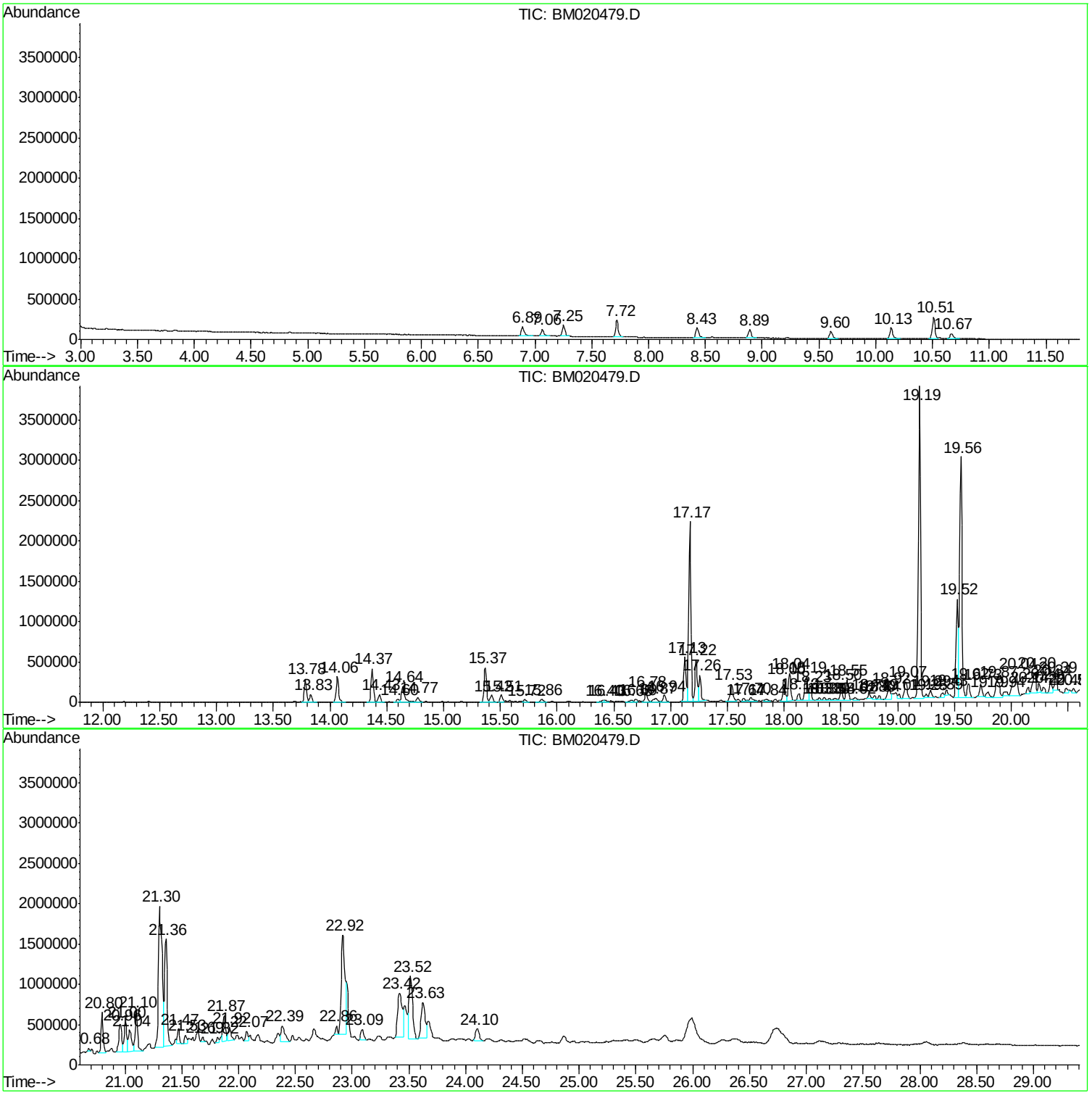
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052119\
Data File : BM020479.D
Acq On : 22 May 2019 02:52
Operator : JU/SJ
Sample : K2923-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4252

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052119\
Data File : BM020479.D
Acq On : 22 May 2019 02:52
Operator : JU/SJ
Sample : K2923-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4252

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

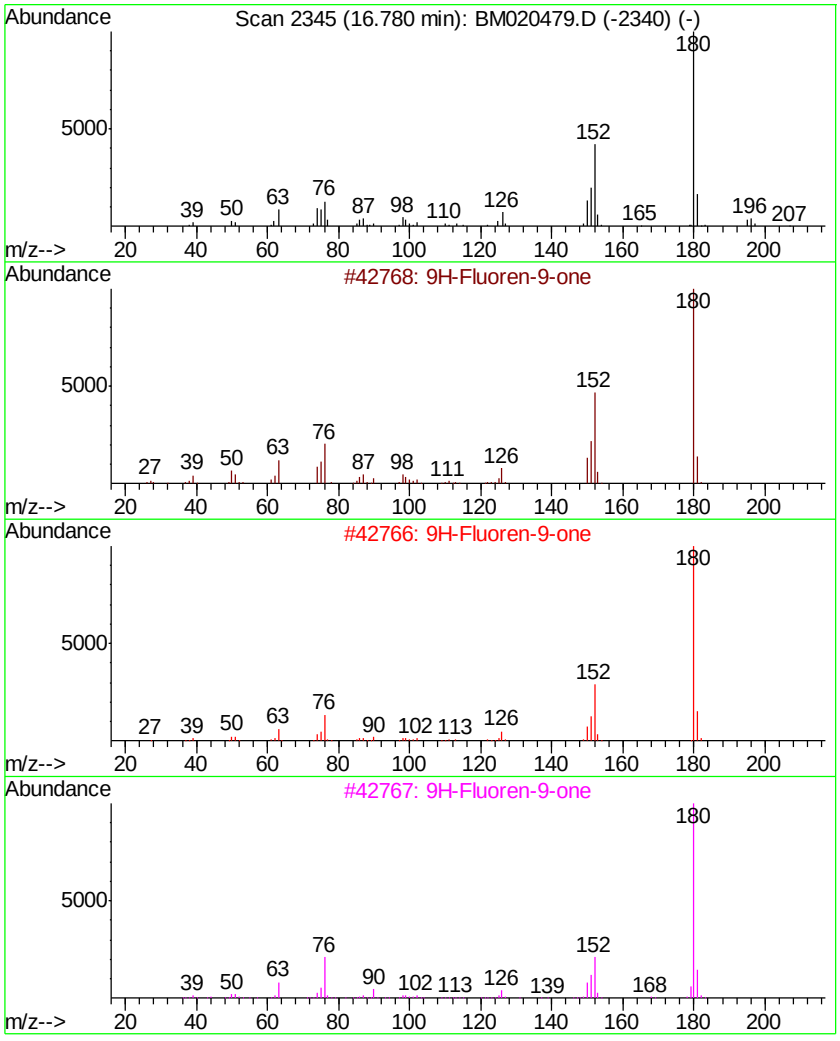
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

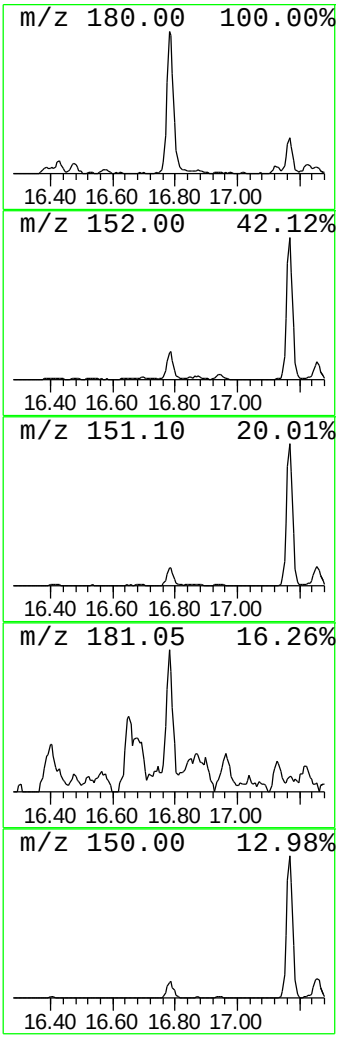
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	4.85 ng/ul	206307	Phenanthrene-d10	17.13

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	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052119\
Data File : BM020479.D
Acq On : 22 May 2019 02:52
Operator : JU/SJ
Sample : K2923-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4252

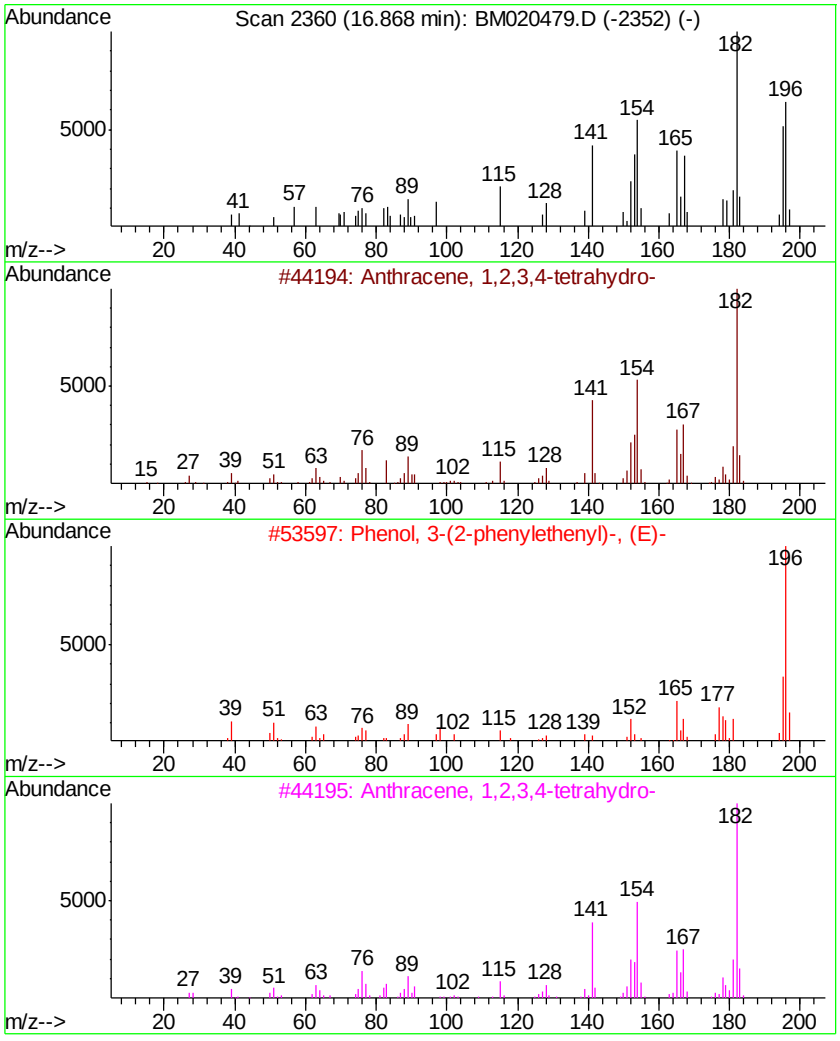
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

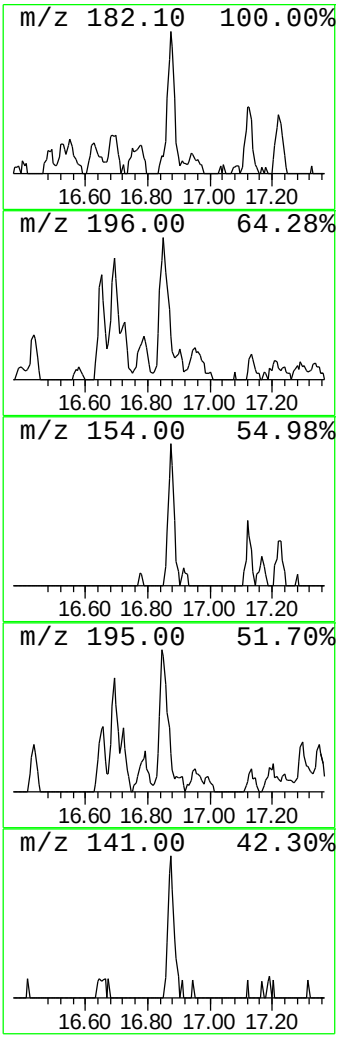
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	2.92 ng/ul	124059	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	86
3	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	70
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	60
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052119\
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Acq On : 22 May 2019 02:52
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Sample : K2923-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4252

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

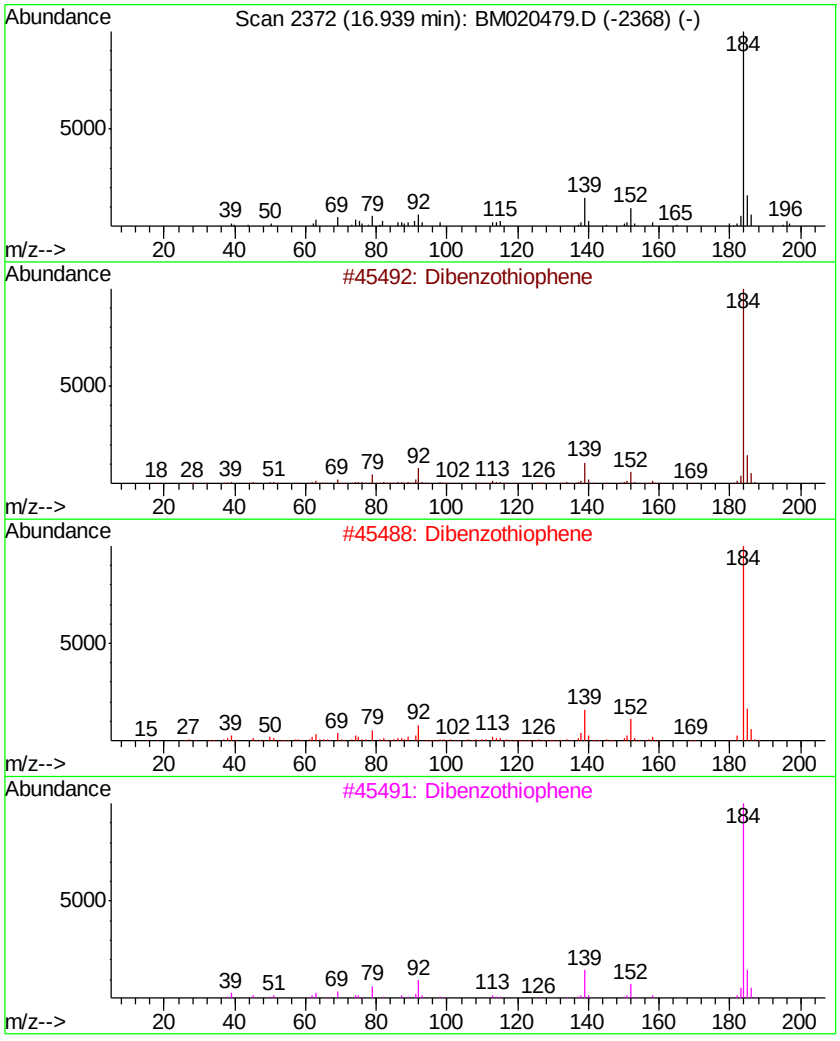
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

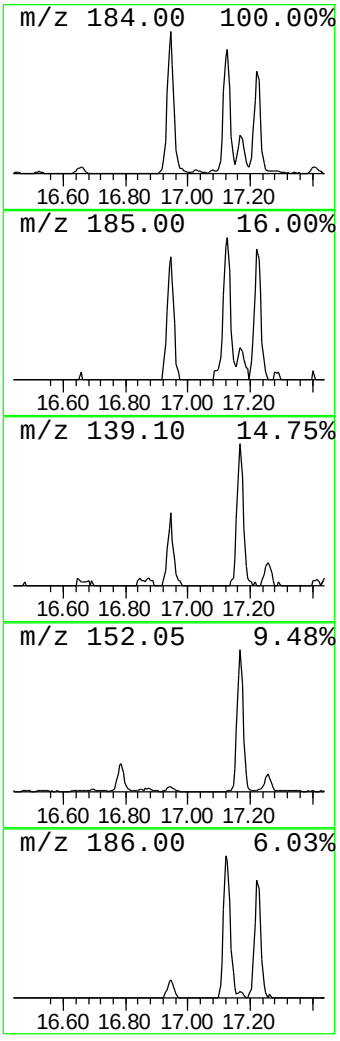
****

Peak Number 3 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	3.00 ng/ul	127693	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052119\
Data File : BM020479.D
Acq On : 22 May 2019 02:52
Operator : JU/SJ
Sample : K2923-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4252

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

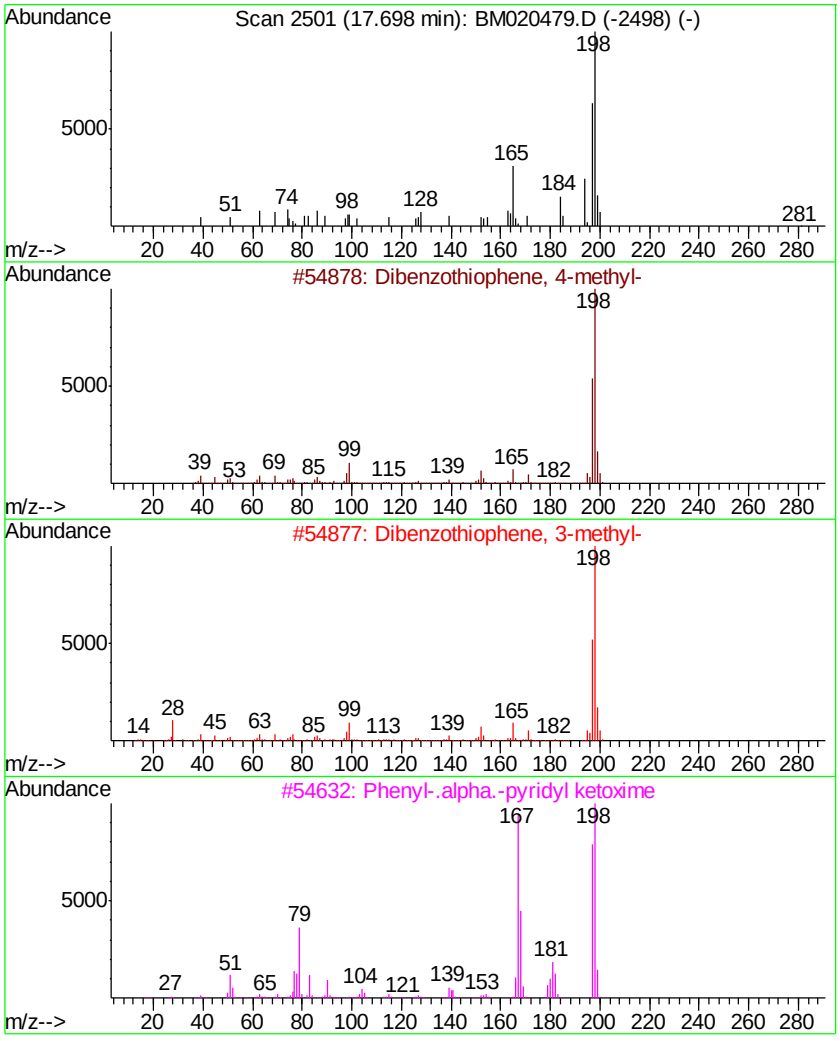
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

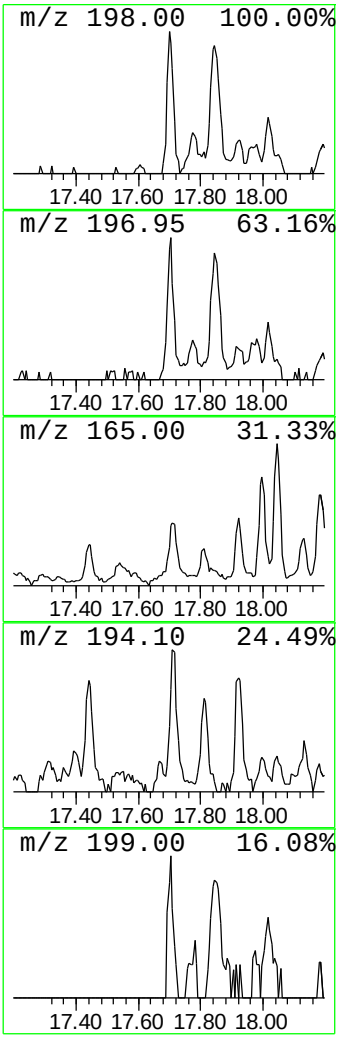
****

Peak Number 4 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	2.41 ng/ul	102441	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	49
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	49
3	Phenyl-.alpha.-pyridyl ketoxime	198	C12H10N2O	001826-28-4	47
4	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	47
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052119\
Data File : BM020479.D
Acq On : 22 May 2019 02:52
Operator : JU/SJ
Sample : K2923-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4252

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

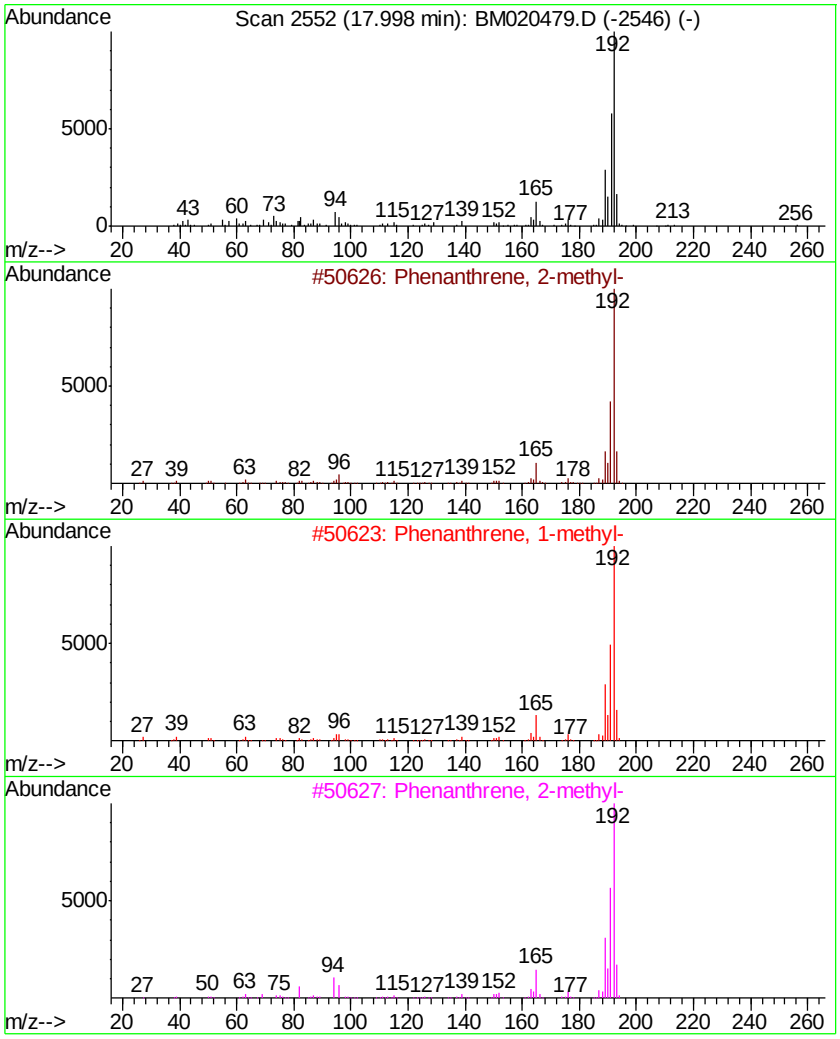
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

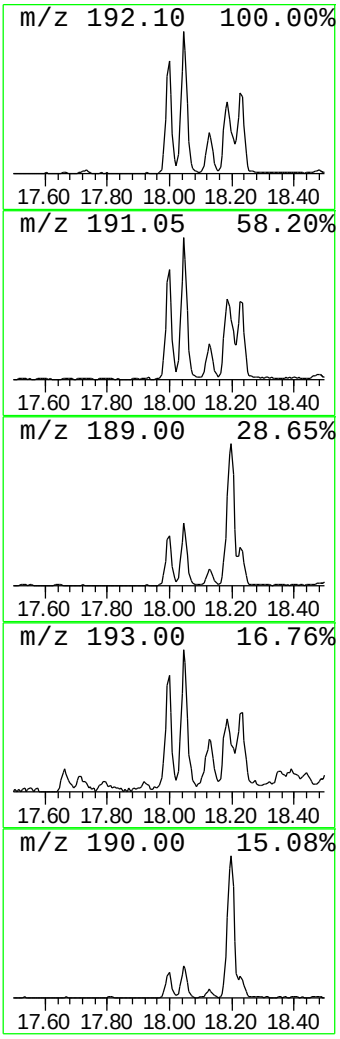
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	9.91 ng/ul	421901	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Sample : K2923-05
Misc :
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Instrument : BNA_M
ClientSampleId : A4252

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Quant Title : SVOA CALIBRATION

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

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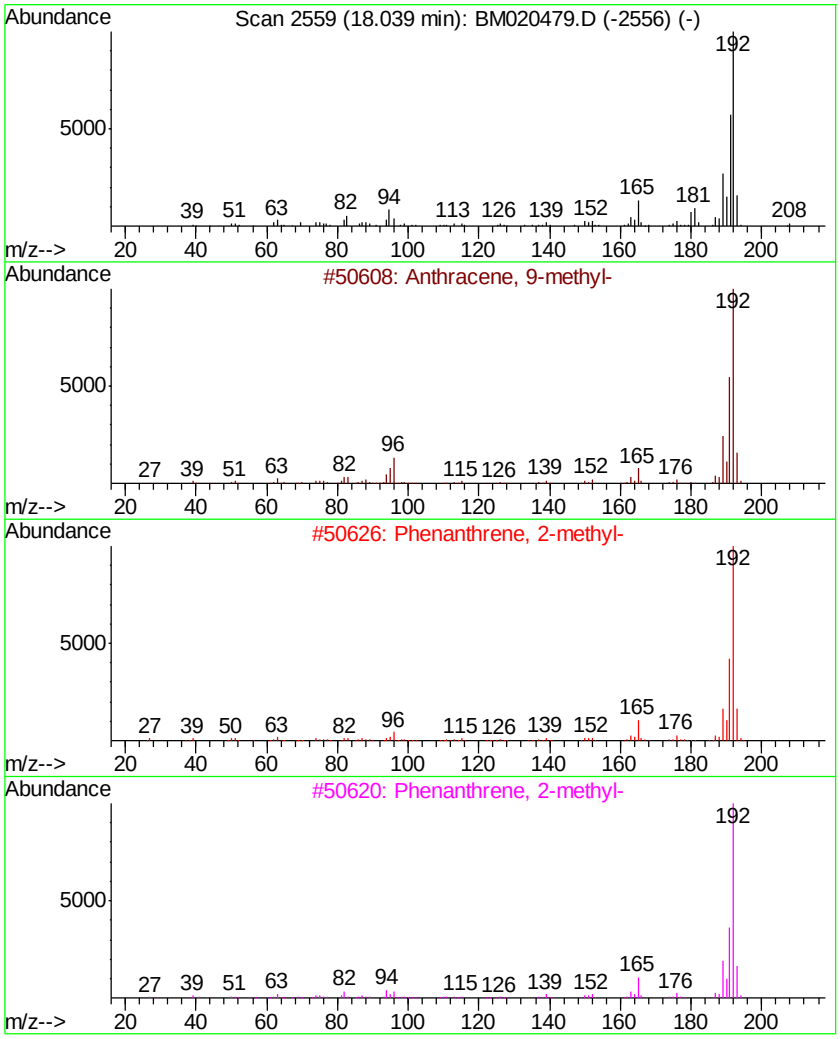
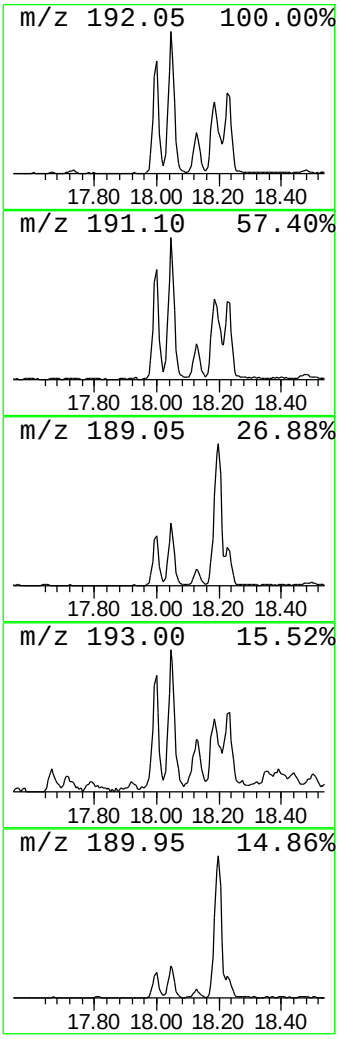
Peak Number 6 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	11.32 ng/ul	481900	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92





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Quant Title : SVOA CALIBRATION

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

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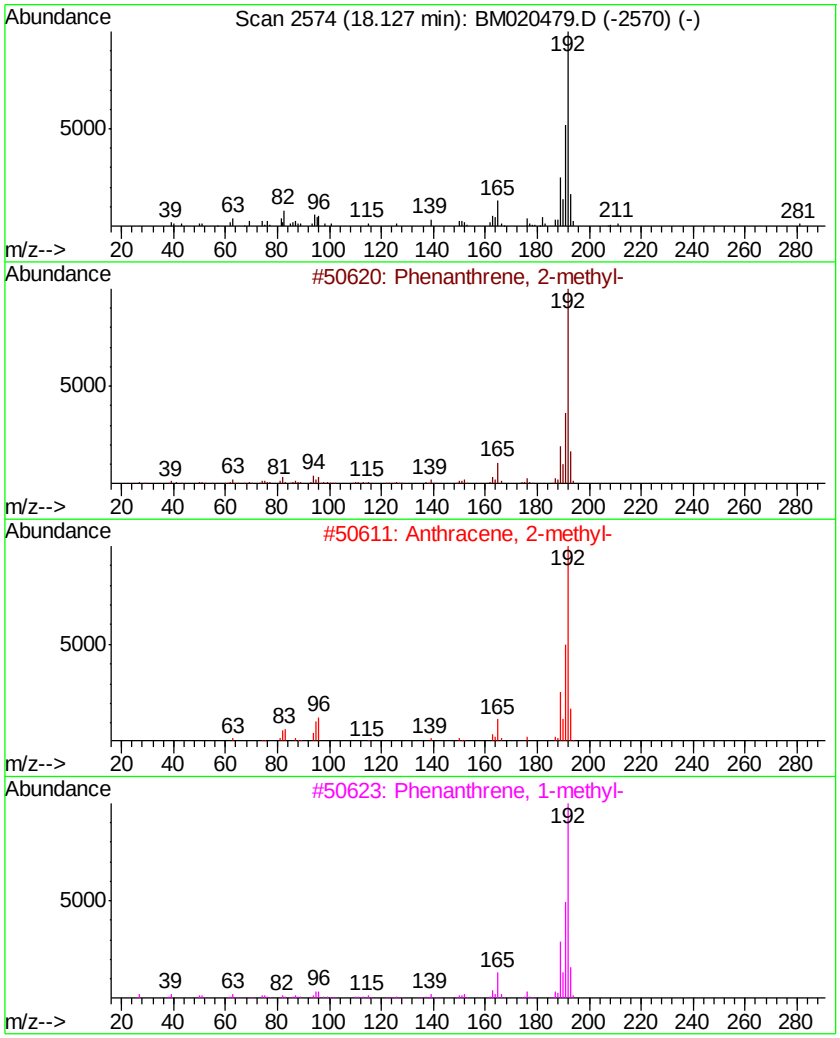
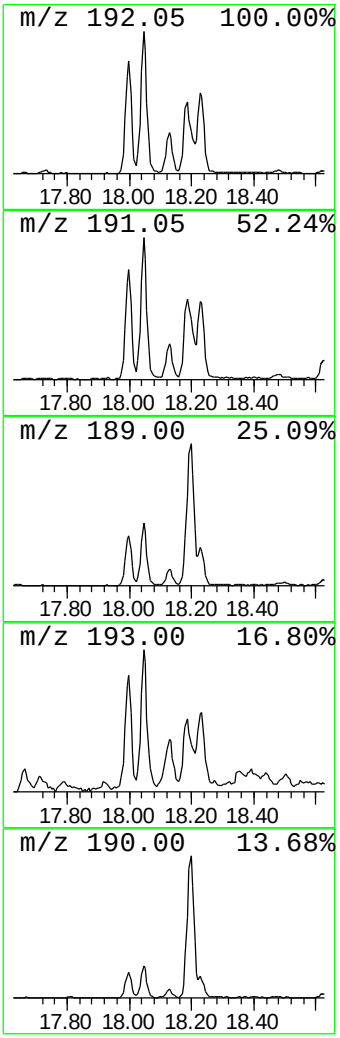
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	3.15 ng/ul	134135	Phenanthrene-d10	17.13

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





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Quant Title : SVOA CALIBRATION

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

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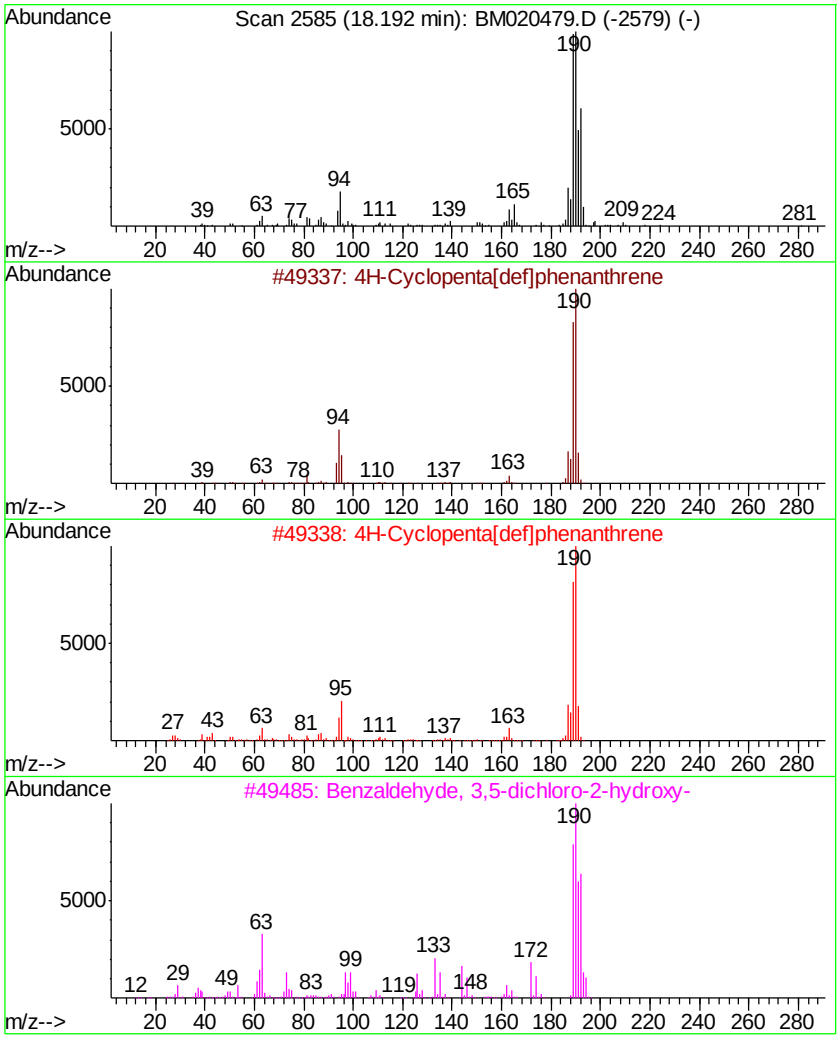
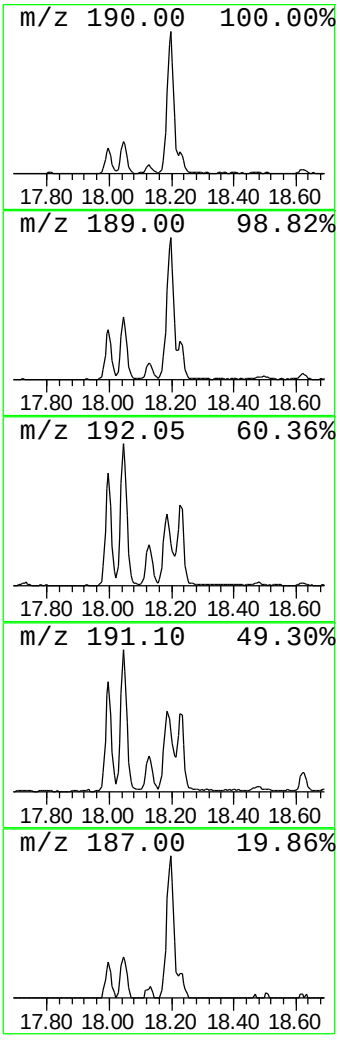
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	13.30 ng/ul	565789	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
5	Methyl diselenide	190	C2H6Se2	007101-31-7	45





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Quant Title : SVOA CALIBRATION

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

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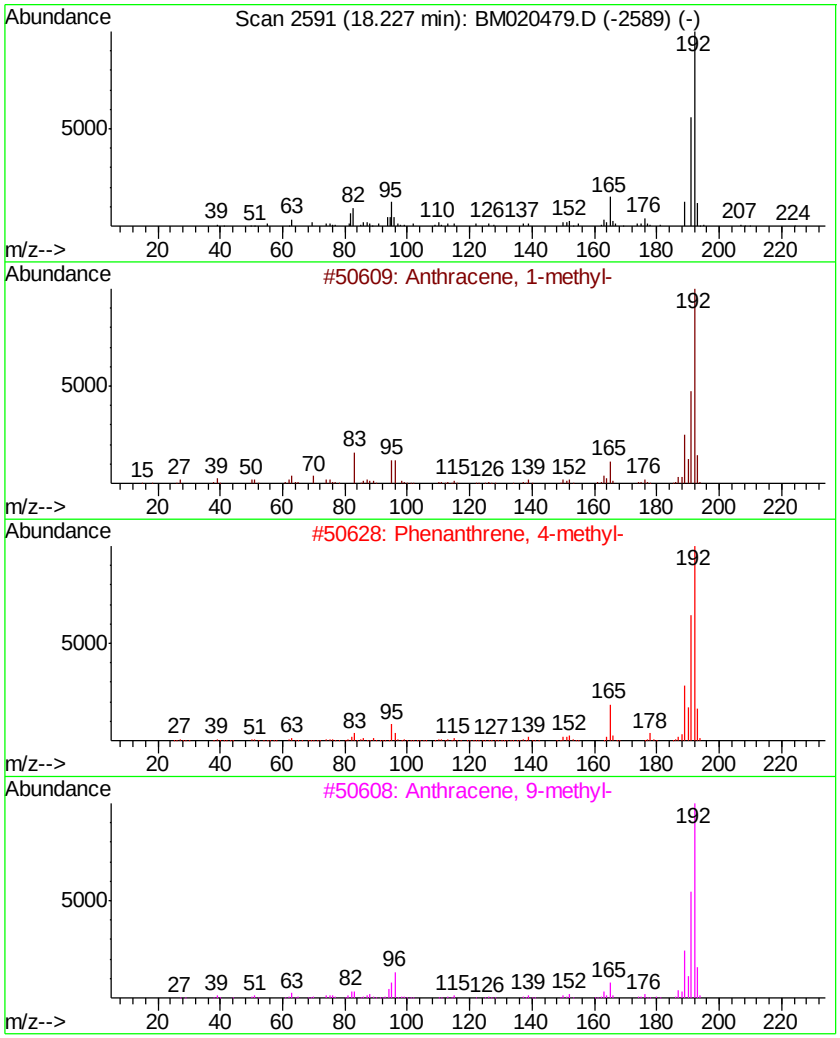
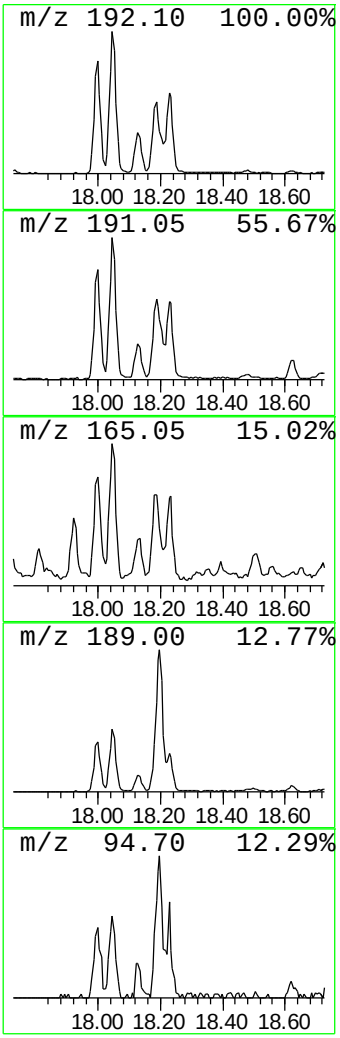
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	5.28 ng/ul	224609	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81





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Quant Title : SVOA CALIBRATION

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

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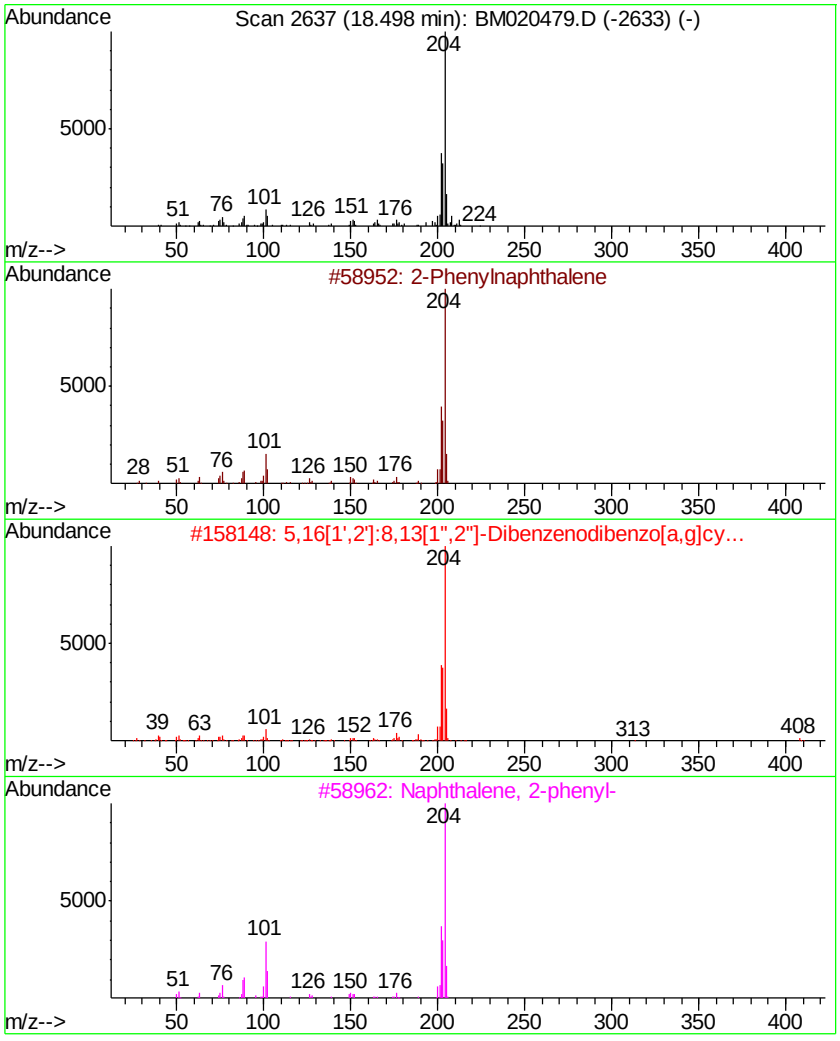
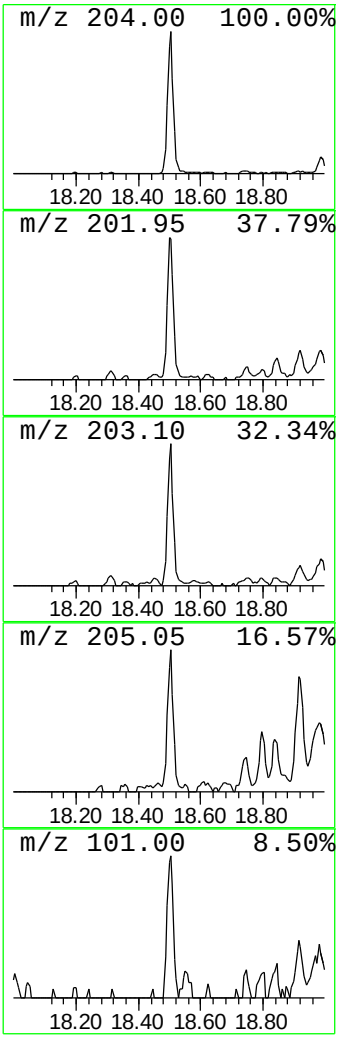
Peak Number 10 2-Phenylnaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	6.44 ng/ul	273979	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
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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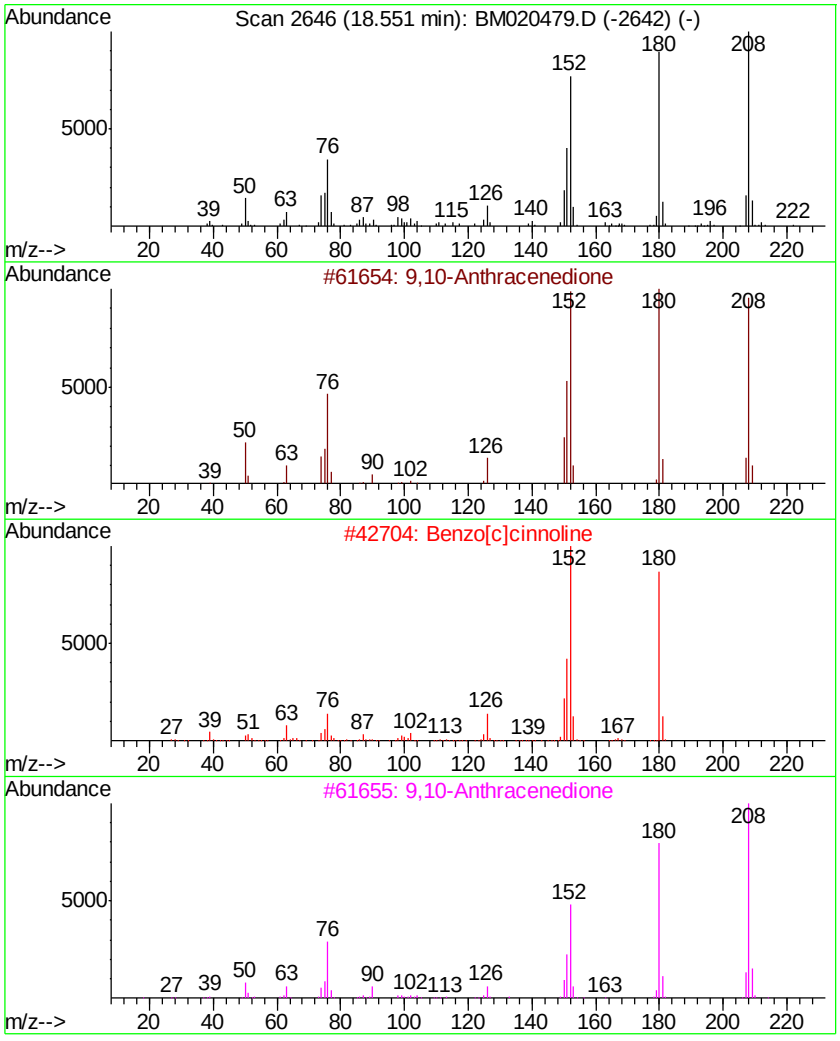
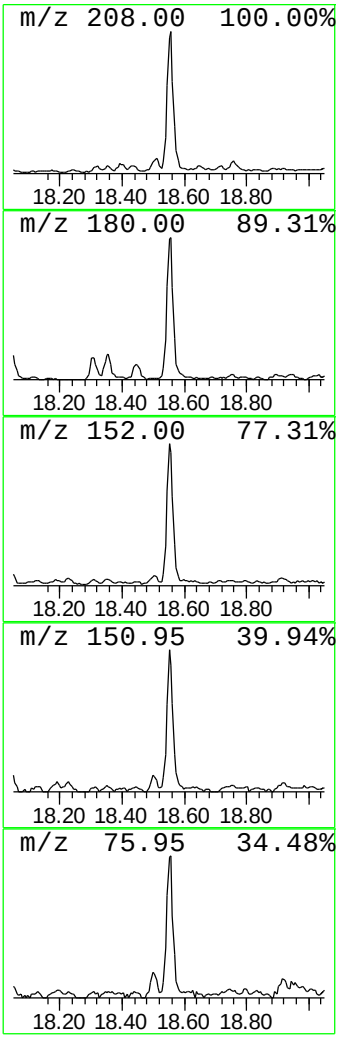
Peak Number 11 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	8.72 ng/ul	370969	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86





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Quant Title : SVOA CALIBRATION

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

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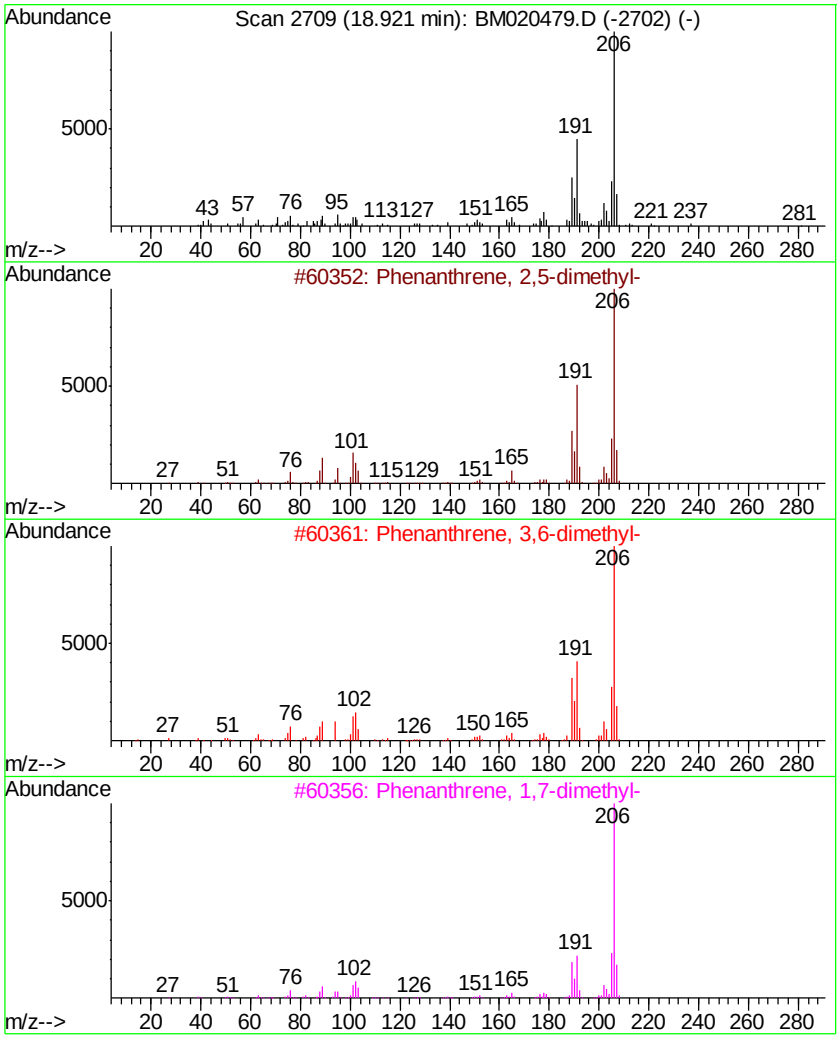
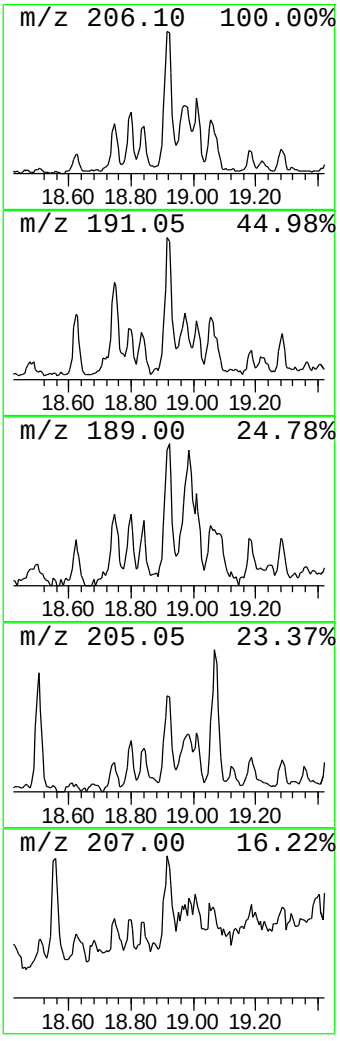
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	6.68 ng/ul	284451	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83





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Quant Title : SVOA CALIBRATION

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

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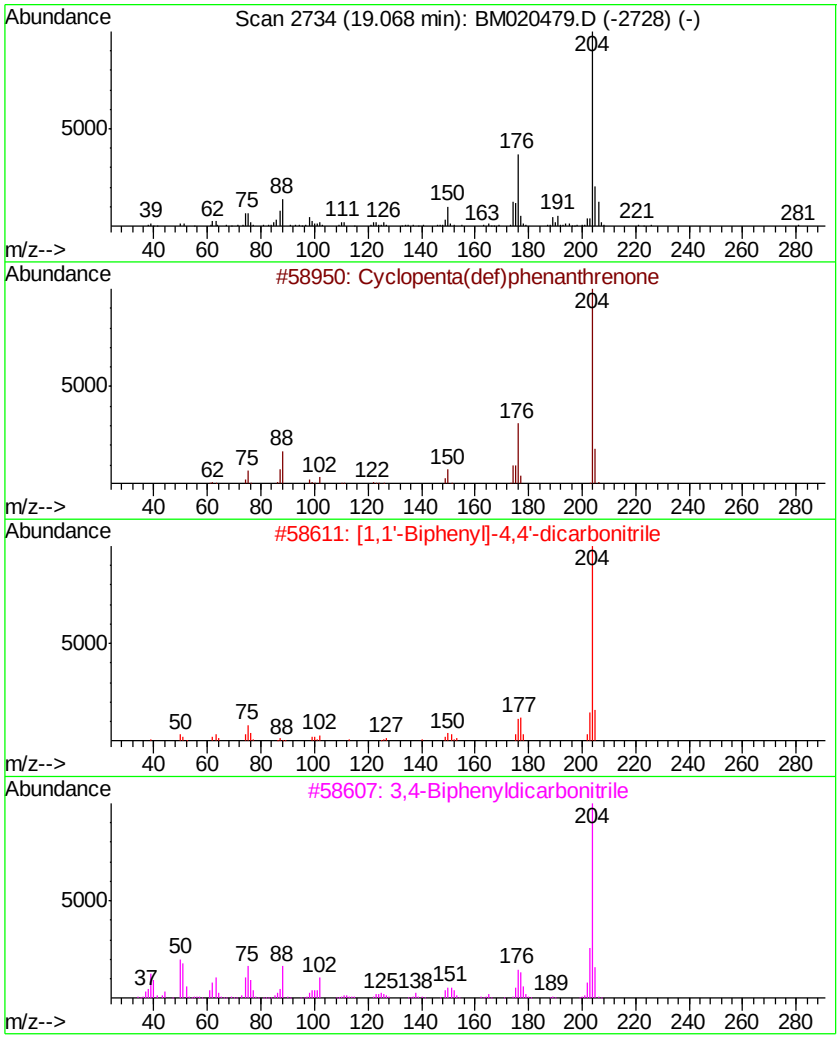
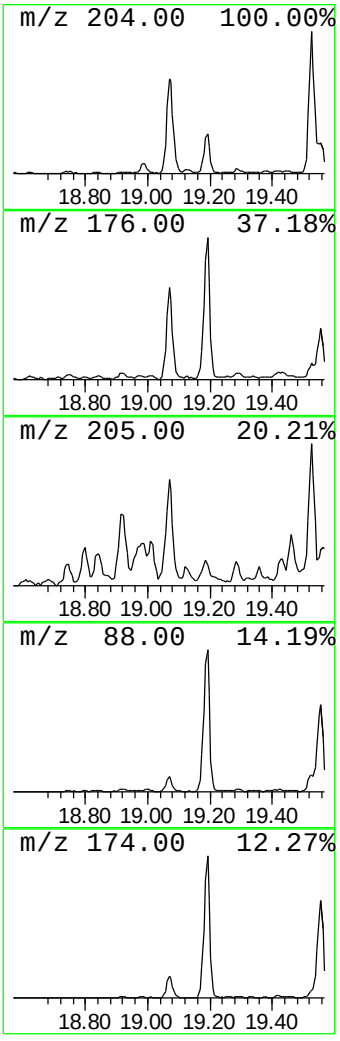
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	8.41 ng/ul	357702	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53





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

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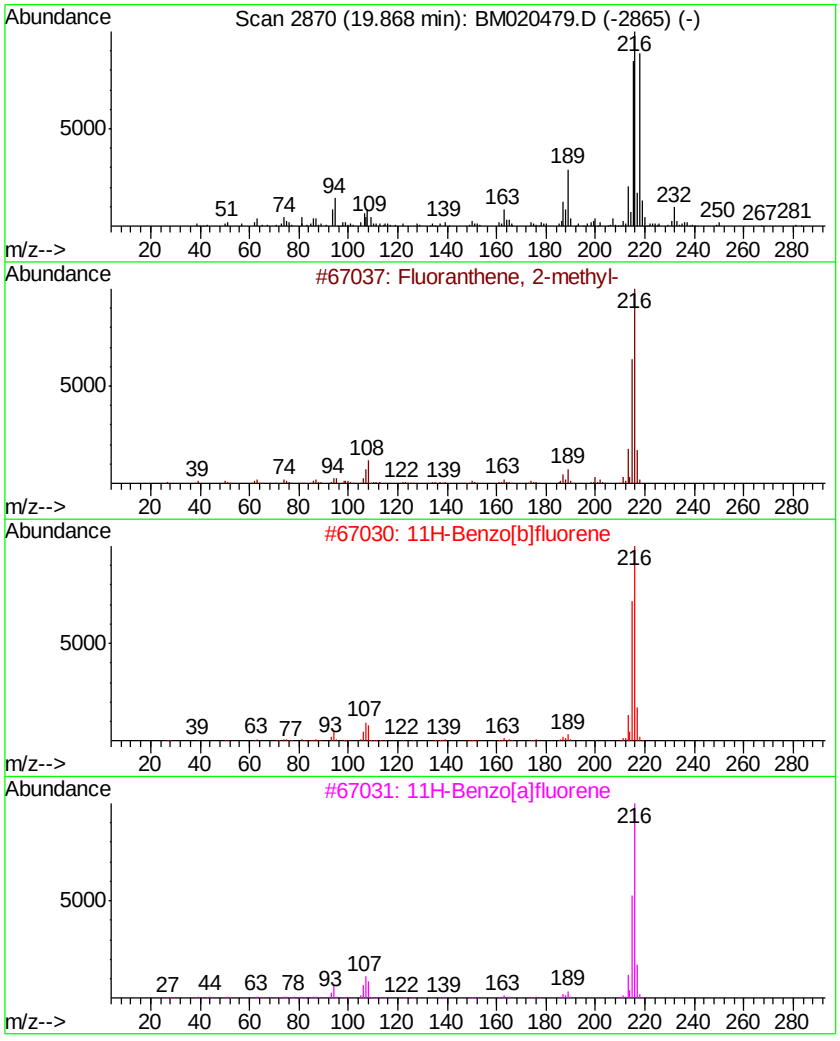
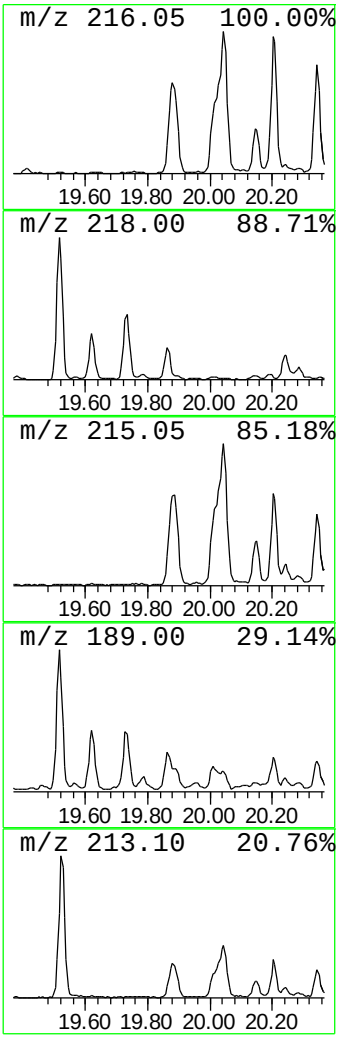
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	2.63 ng/ul	529230	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Quant Title : SVOA CALIBRATION

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

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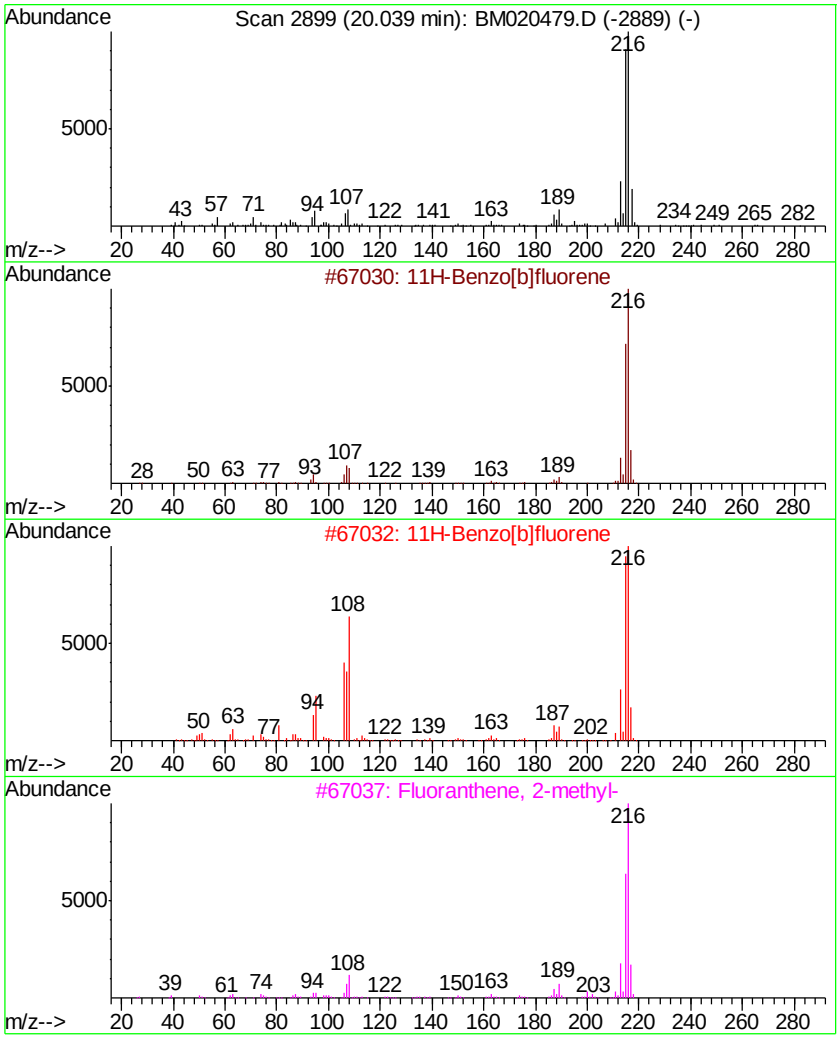
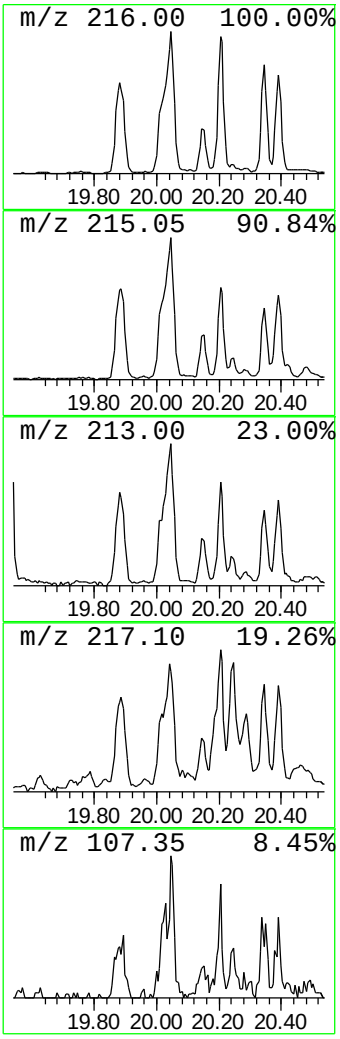
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	3.63 ng/ul	730061	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Quant Title : SVOA CALIBRATION

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

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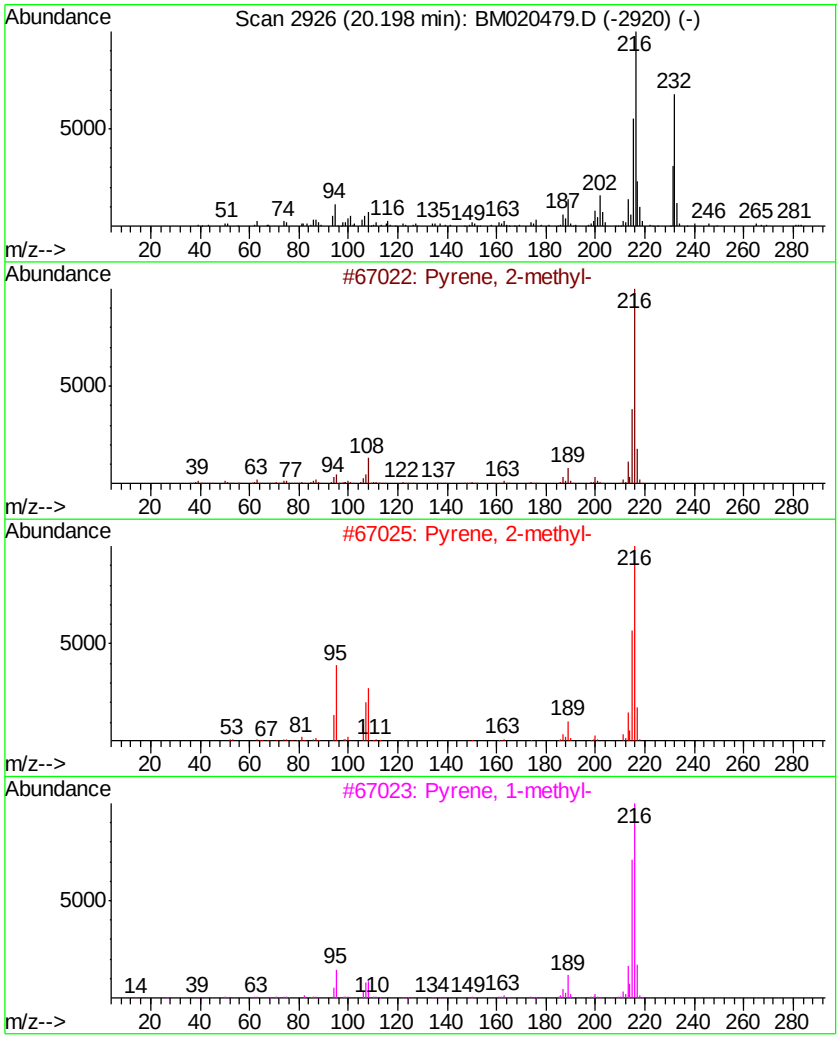
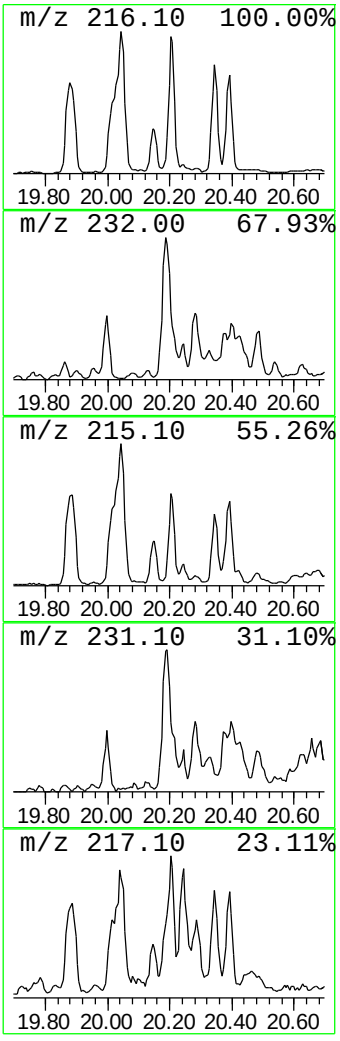
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	2.27 ng/ul	457361	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86





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Quant Title : SVOA CALIBRATION

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

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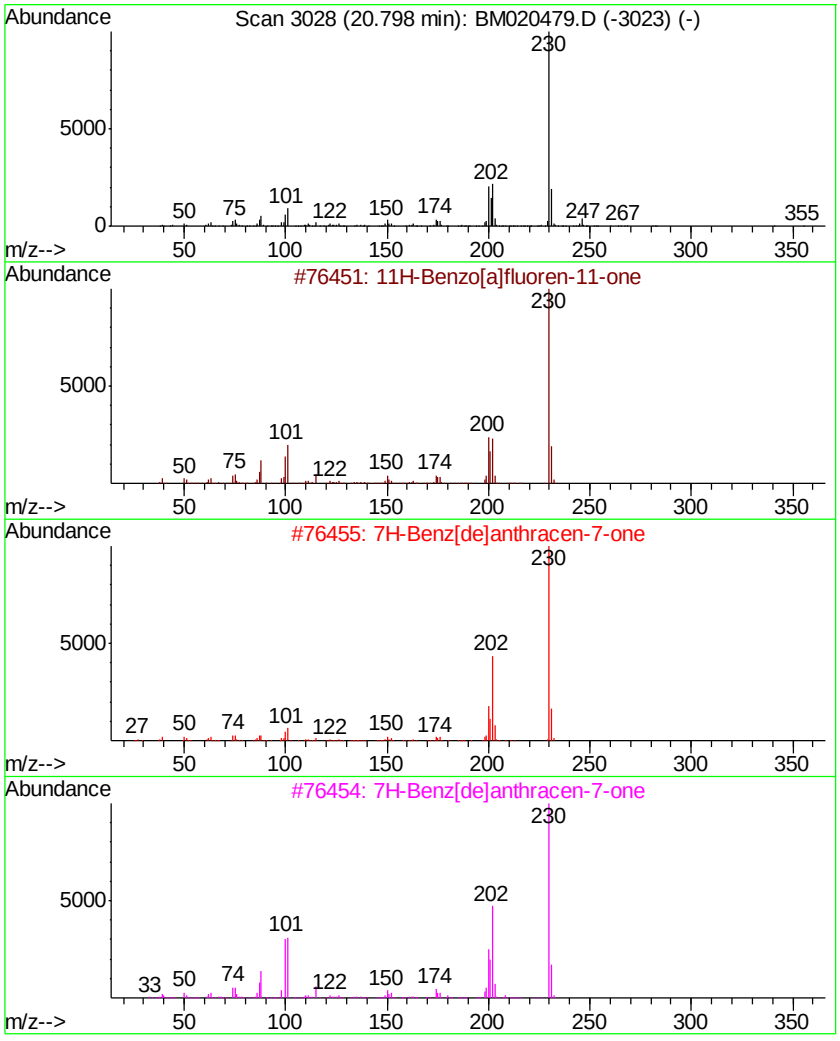
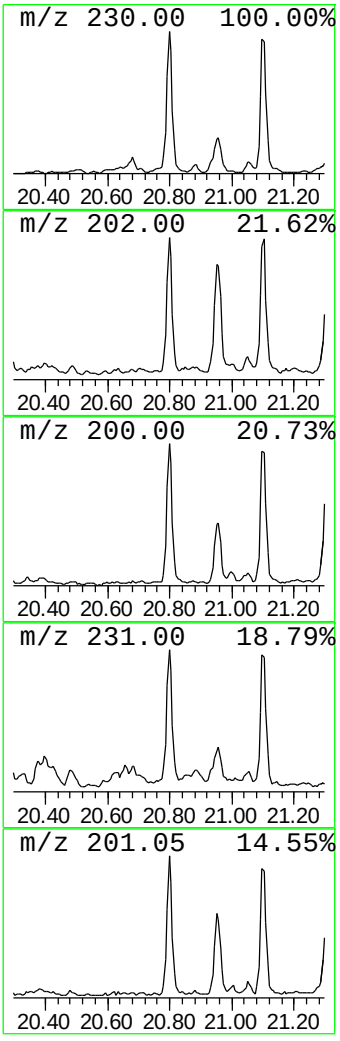
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	3.22 ng/ul	648474	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81





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Acq On : 22 May 2019 02:52
Operator : JU/SJ
Sample : K2923-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4252

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

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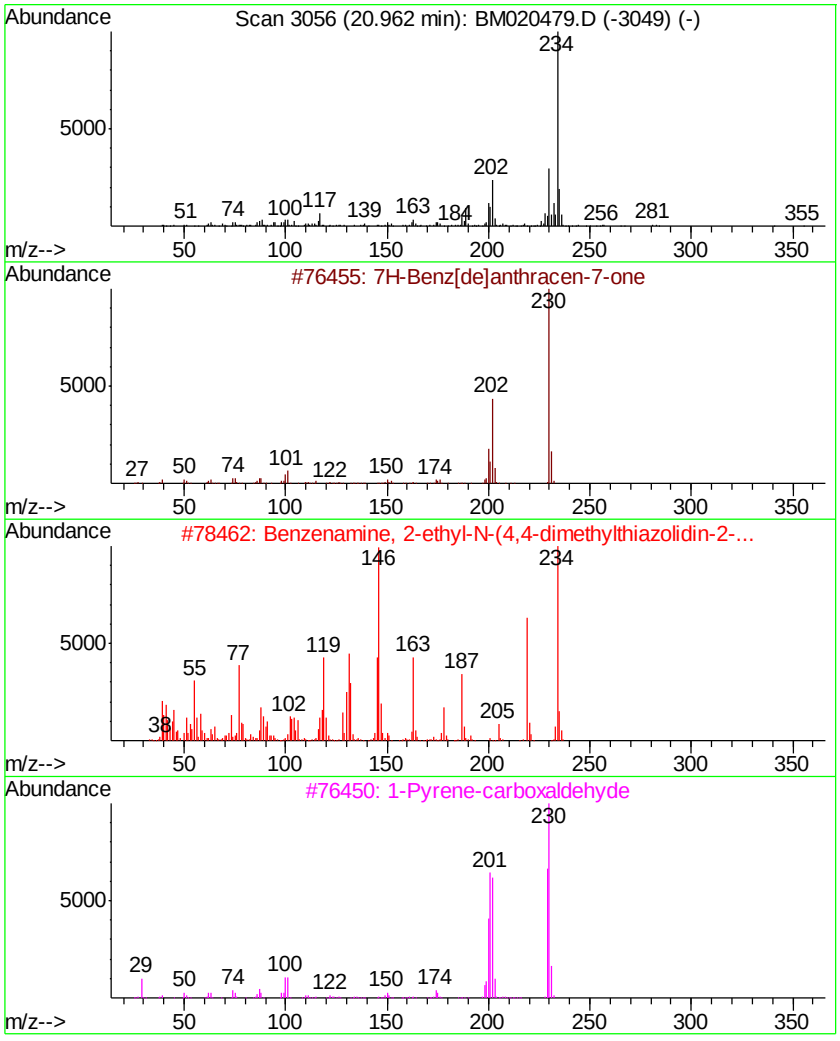
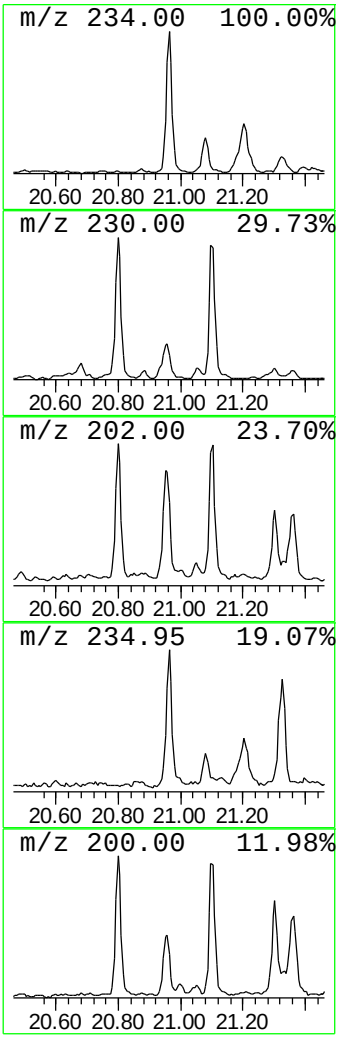
Peak Number 18 7H-Benz[de]anthracen-7-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	3.02 ng/ul	606834	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
2	Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	80
3	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	52
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	50
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	50





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Sample : K2923-05
Misc :
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Instrument : BNA_M
ClientSampleId : A4252

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Quant Title : SVOA CALIBRATION

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

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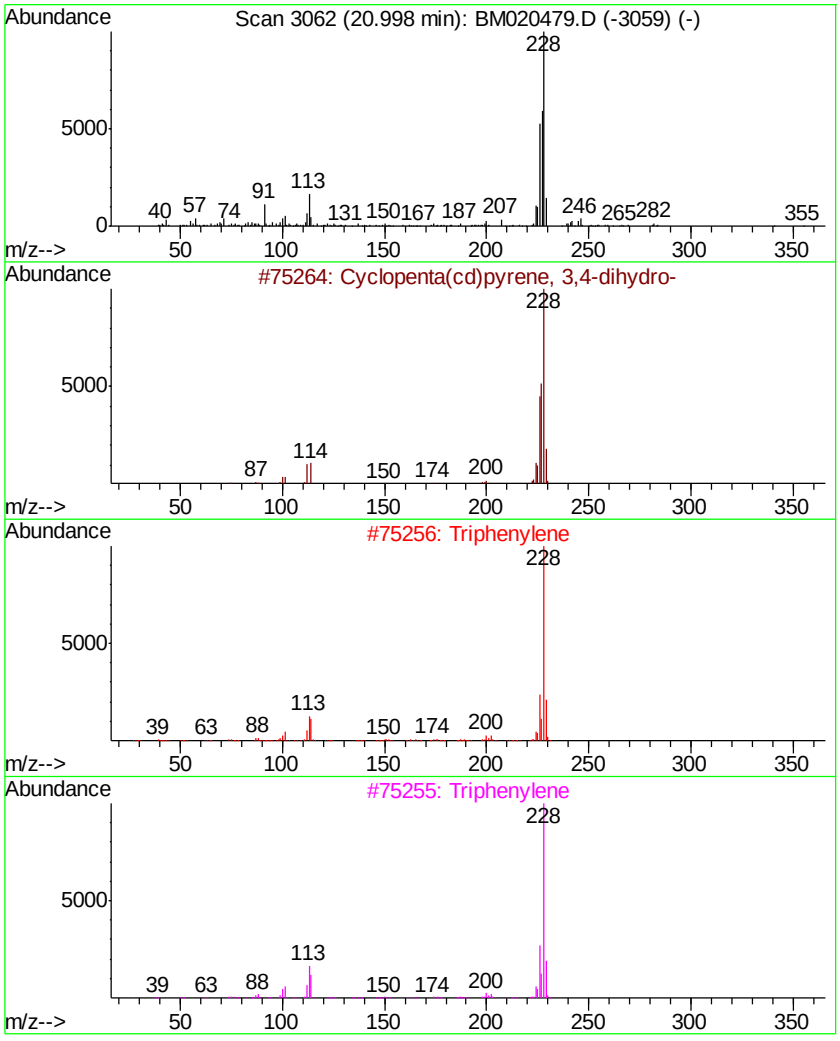
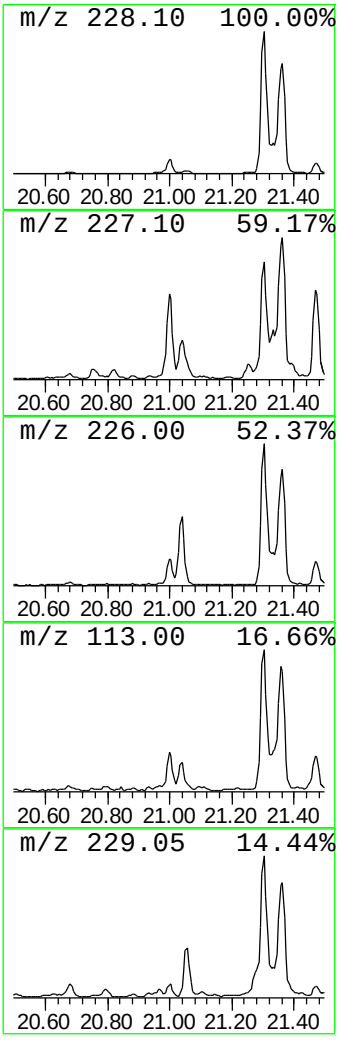
Peak Number 19 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	3.01 ng/ul	605203	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	64
2	Triphenylene	228	C18H12	000217-59-4	50
3	Triphenylene	228	C18H12	000217-59-4	50
4	Triphenylene	228	C18H12	000217-59-4	49
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49





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Sample : K2923-05
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Instrument : BNA_M
ClientSampleId : A4252

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Quant Title : SVOA CALIBRATION

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

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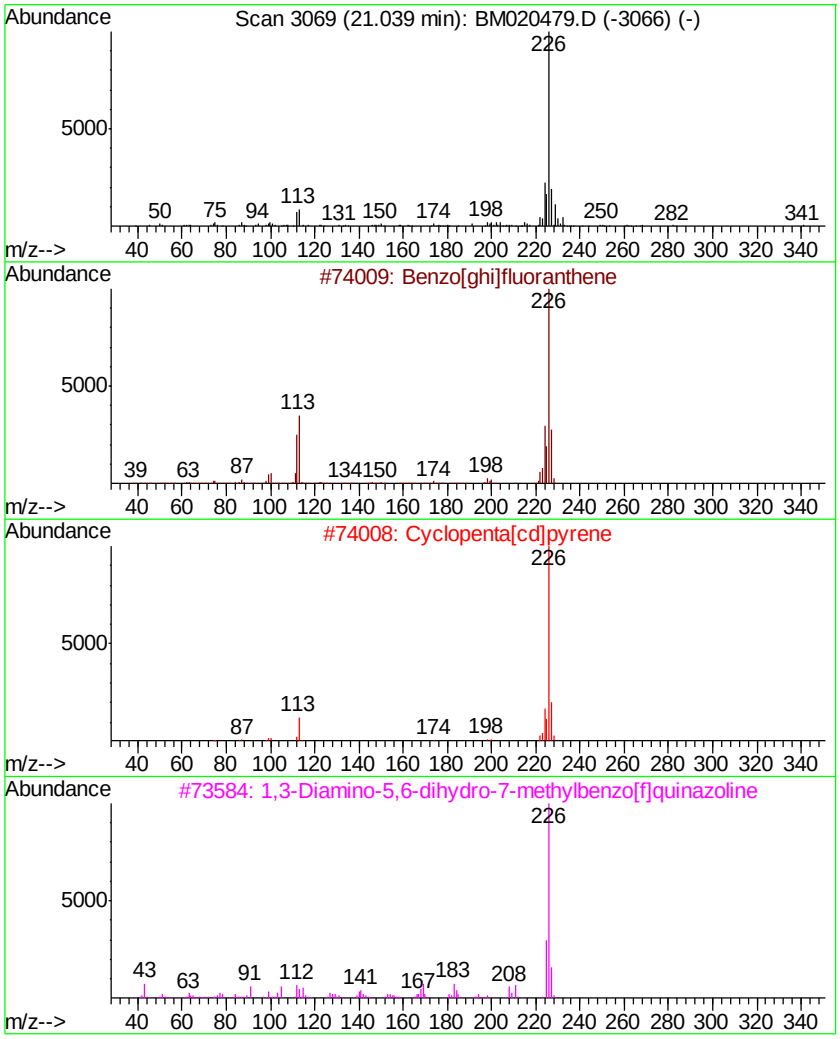
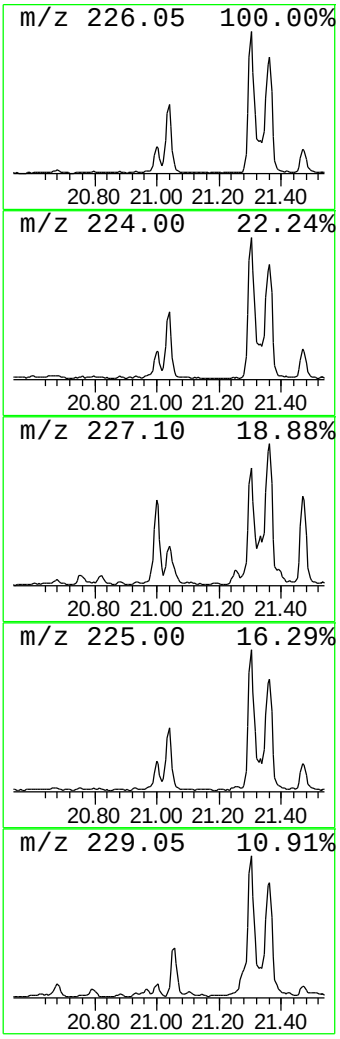
Peak Number 20 Benzo[ghi]fluoranthene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.04	2.73 ng/ul	548787	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	58
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47
4	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	47
5	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	40





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Acq On : 22 May 2019 02:52
Operator : JU/SJ
Sample : K2923-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4252

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

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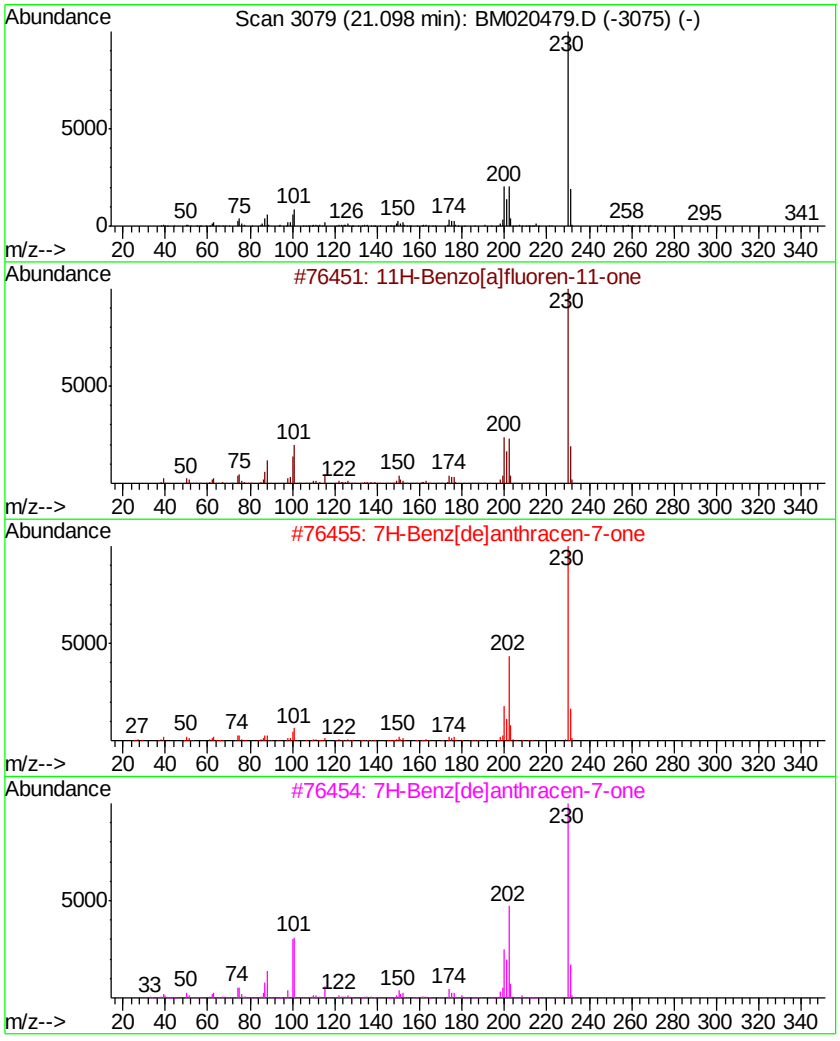
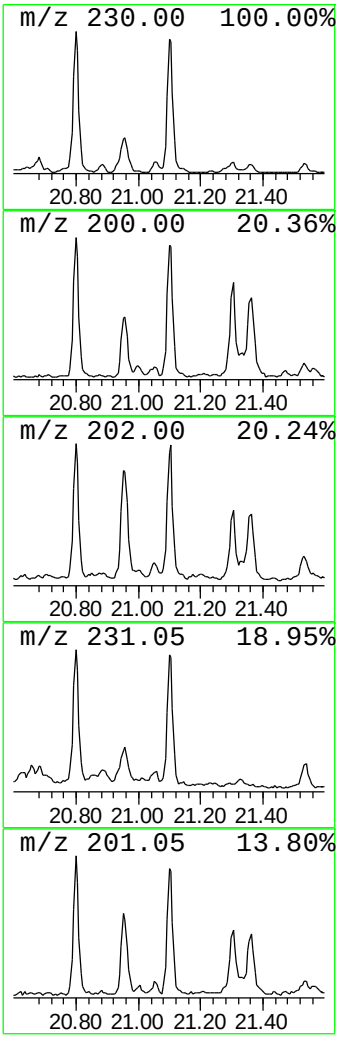
Peak Number 21 4-Isothiazolecarbonitrile, ... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	3.63 ng/ul	729140	Chrysene-d12	21.32

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	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
5	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59





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Operator : JU/SJ
Sample : K2923-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4252

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Quant Title : SVOA CALIBRATION

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

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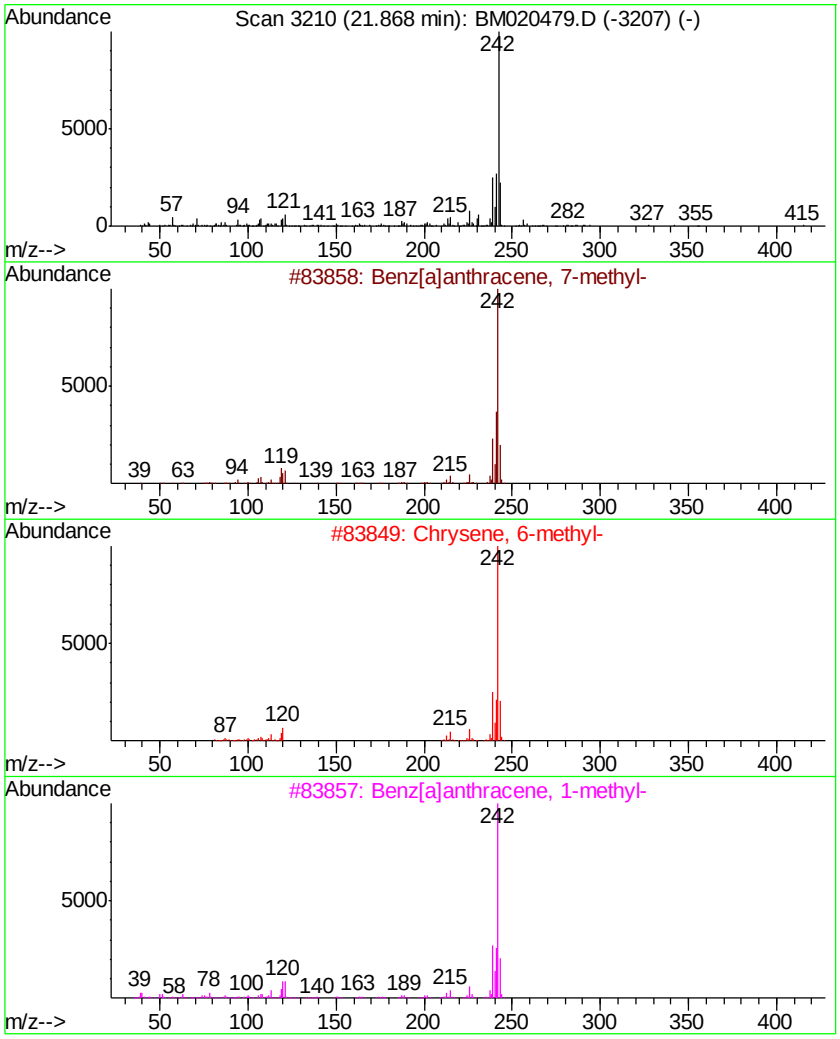
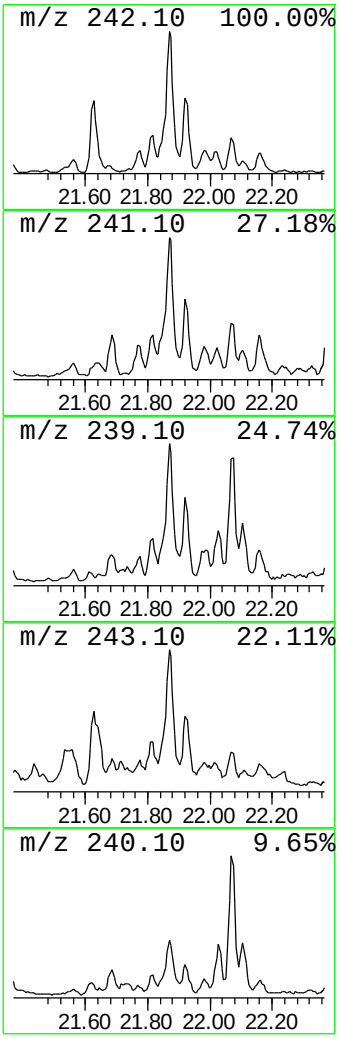
Peak Number 22 Benz[a]anthracene, 7-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	2.63 ng/ul	528113	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	90
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	86
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	86





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Sample : K2923-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4252

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Quant Title : SVOA CALIBRATION

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

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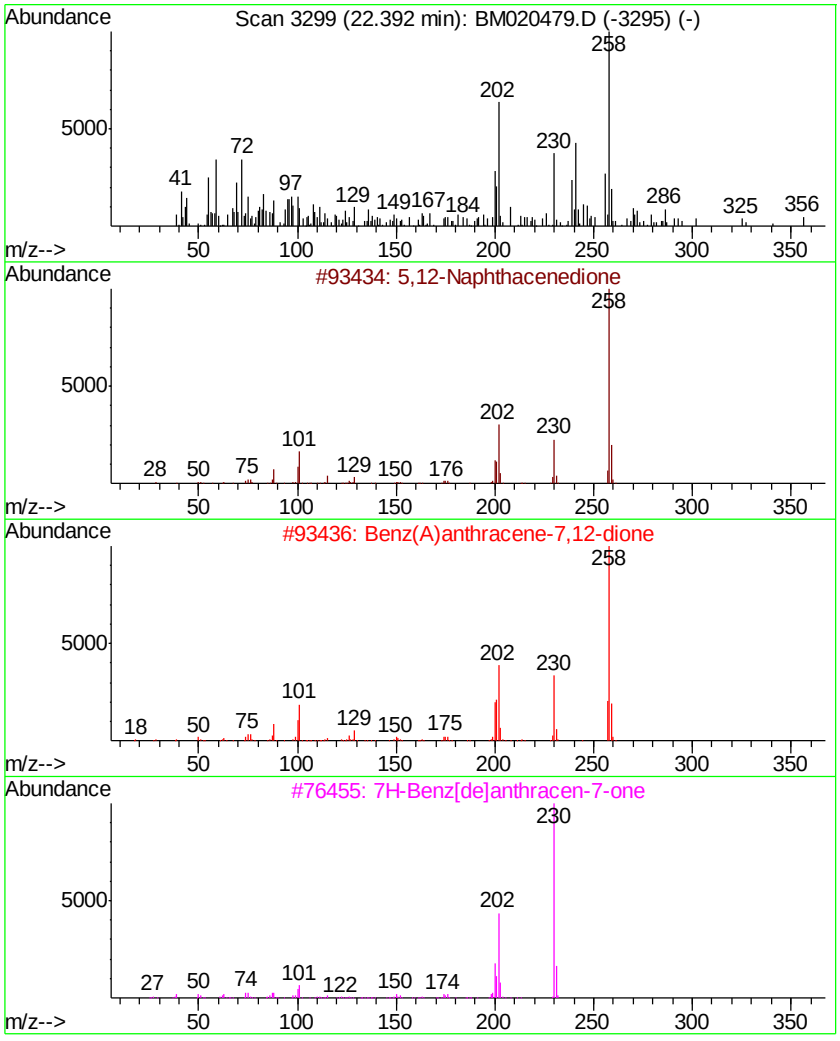
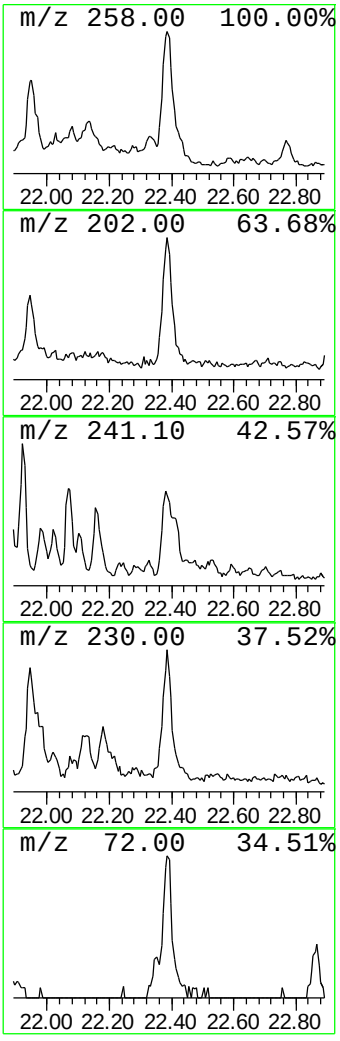
Peak Number 23 5,12-Naphthacenedione Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.39	2.17 ng/ul	436573	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	78
2	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	60
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53
4	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	53
5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	42





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Sample : K2923-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4252

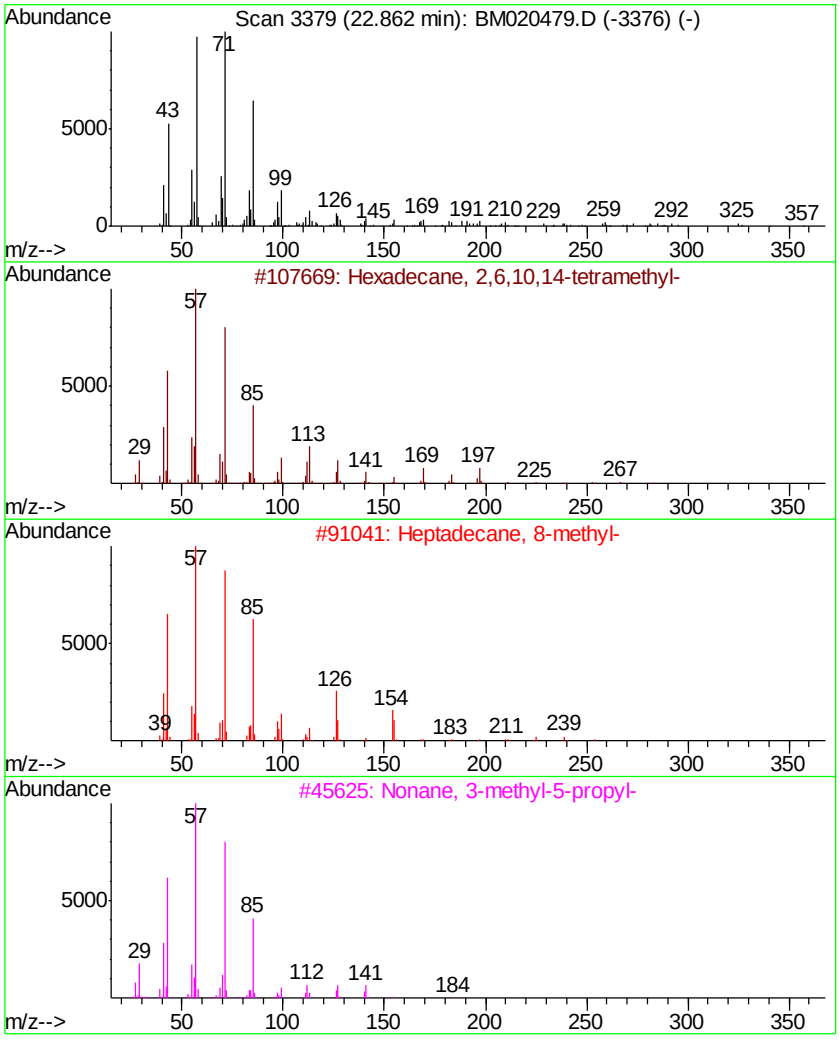
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

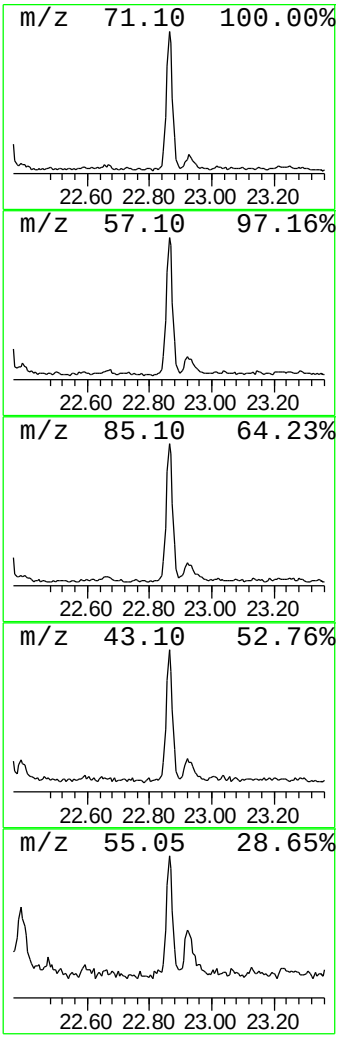
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.86	2.28 ng/ul	125289	Perylene-d12	23.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
2	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	86
3	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	80
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	74
5	Heptacosane	380	C27H56	000593-49-7	72





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4252

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

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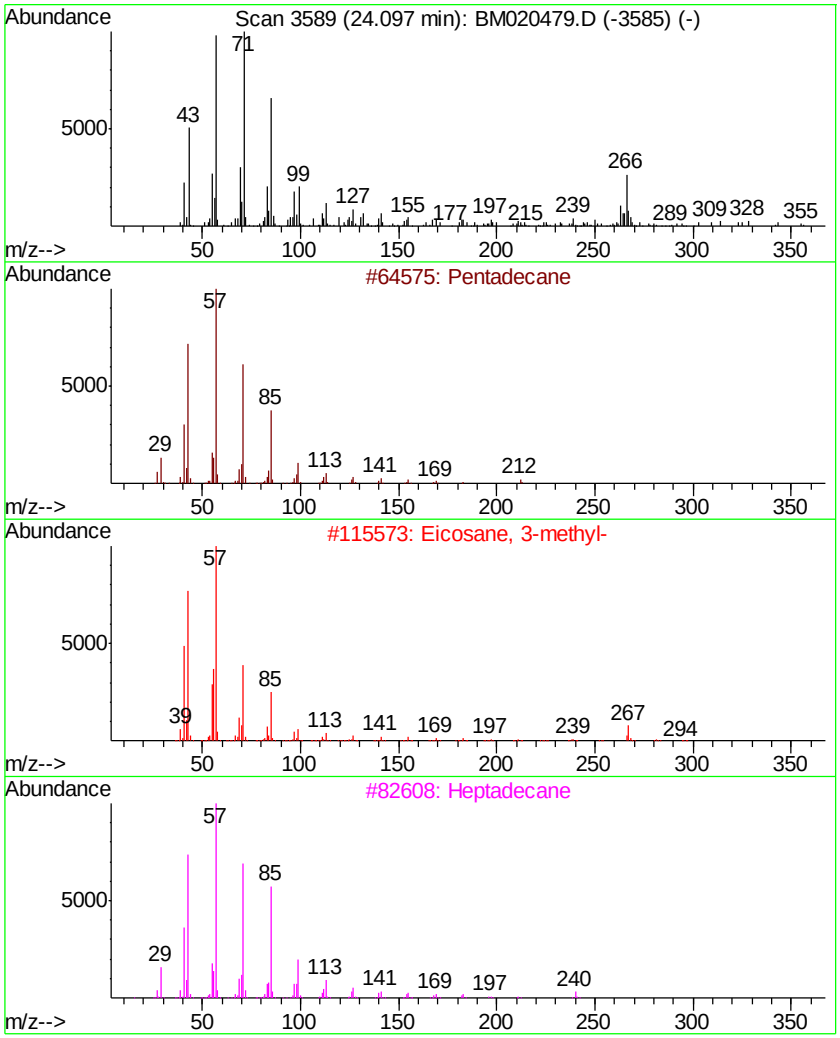
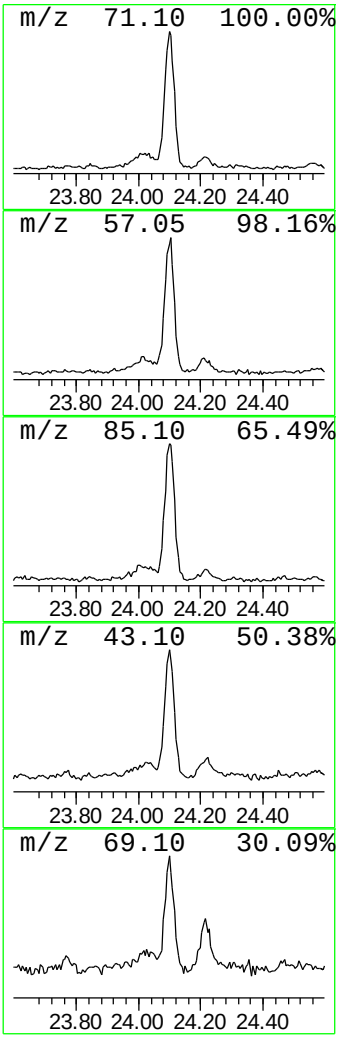
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.10	6.20 ng/ul	341450	Perylene-d12	23.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	60
2	Eicosane, 3-methyl-	296	C21H44	006418-46-8	50
3	Heptadecane	240	C17H36	000629-78-7	49
4	10-Methylnonadecane	282	C20H42	056862-62-5	49
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	49





Tentatively Identified Compound (LSC) summary

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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
9H-Fluoren-9-one	16.78	4.8	ng/ul	206307	4	17.13	851072	20.0
Anthracene, 1,2,3...	16.87	2.9	ng/ul	124059	4	17.13	851072	20.0
Dibenzothiophene	16.94	3.0	ng/ul	127693	4	17.13	851072	20.0
unknown-01	17.70	2.4	ng/ul	102441	4	17.13	851072	20.0
Phenanthrene, 2-m...	18.00	9.9	ng/ul	421901	4	17.13	851072	20.0
Anthracene, 9-met...	18.04	11.3	ng/ul	481900	4	17.13	851072	20.0
Anthracene, 2-met...	18.13	3.1	ng/ul	134135	4	17.13	851072	20.0
4H-Cyclopenta[def...	18.19	13.3	ng/ul	565789	4	17.13	851072	20.0
Anthracene, 1-met...	18.23	5.3	ng/ul	224609	4	17.13	851072	20.0
2-Phenylnaphthalene	18.50	6.4	ng/ul	273979	4	17.13	851072	20.0
9,10-Anthracenedione	18.55	8.7	ng/ul	370969	4	17.13	851072	20.0
Phenanthrene, 2,5...	18.92	6.7	ng/ul	284451	4	17.13	851072	20.0
Cyclopenta(def)ph...	19.07	8.4	ng/ul	357702	4	17.13	851072	20.0
Fluoranthene, 2-m...	19.87	2.6	ng/ul	529230	5	21.32	4021950	20.0
11H-Benzo[b]fluorene	20.04	3.6	ng/ul	730061	5	21.32	4021950	20.0
Pyrene, 2-methyl-	20.20	2.3	ng/ul	457361	5	21.32	4021950	20.0
11H-Benzo[a]fluor...	20.80	3.2	ng/ul	648474	5	21.32	4021950	20.0
7H-Benz[de]anthra...	20.96	3.0	ng/ul	606834	5	21.32	4021950	20.0
Cyclopenta(cd)pyr...	21.00	3.0	ng/ul	605203	5	21.32	4021950	20.0
Benzo[ghi]fluoran...	21.04	2.7	ng/ul	548787	5	21.32	4021950	20.0
4-Isothiazolecarb...	21.10	3.6	ng/ul	729140	5	21.32	4021950	20.0
Benz[a]anthracene...	21.87	2.6	ng/ul	528113	5	21.32	4021950	20.0
5,12-Naphthacened...	22.39	2.2	ng/ul	436573	5	21.32	4021950	20.0
(DEL) Alkane: Str...	22.86	2.3	ng/ul	125289	6	23.62	1101150	20.0
(DEL) Alkane: Str...	24.10	6.2	ng/ul	341450	6	23.62	1101150	20.0