LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026960.D
Acq On : 31 Jul 2020 16:14
Operator : JU/CG
Sample : L3424-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S88

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-BM072720MA.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	2.902	23	28	36	rBV	99901	172472	1.12%	0.144%
2	2.978	36	41	52	rVB	401385	515994	3.34%	0.432%
3	6.837	690	697	705	rBV	57270	94577	0.61%	0.079%
4	7.660	830	837	845	rVB	333238	514611	3.33%	0.431%
5	8.360	950	956	962	rVB	64814	99714	0.65%	0.083%
6	10.054	1239	1244	1251	rVB	71089	110681	0.72%	0.093%
7	10.430	1301	1308	1314	rBV	405652	713847	4.62%	0.597%
8	10.483	1314	1317	1325	rVB	82906	126964	0.82%	0.106%
9	11.930	1553	1563	1571	rBV	45244	107101	0.69%	0.090%
10	12.101	1586	1592	1601	rVB	58336	96743	0.63%	0.081%
11	13.707	1860	1865	1869	rVV	118703	166897	1.08%	0.140%
12	13.983	1905	1912	1913	rBV	132360	185947	1.20%	0.156%
13	14.013	1913	1917	1927	rVV	388042	612351	3.96%	0.512%
14	14.295	1957	1965	1970	rVV	598133	909526	5.89%	0.761%
15	14.354	1970	1975	1982	rVB2	58134	92355	0.60%	0.077%
16	14.689	2027	2032	2043	rBV	148176	236061	1.53%	0.198%
17	15.283	2127	2133	2138	rBV	168590	249362	1.61%	0.209%
18	15.342	2138	2143	2149	rVV2	55913	93178	0.60%	0.078%
19	15.783	2211	2218	2226	rVB3	49391	117058	0.76%	0.098%
20	16.007	2251	2256	2261	rBV	81680	155621	1.01%	0.130%
21	16.618	2356	2360	2363	rVV2	76917	112479	0.73%	0.094%
22	16.683	2367	2371	2381	rVB	145306	240607	1.56%	0.201%
23	16.777	2381	2387	2392	rBV2	42327	93929	0.61%	0.079%
24	16.854	2392	2400	2403	rVV2	44650	100278	0.65%	0.084%
25	17.030	2425	2430	2434	rBV	757641	1098583	7.11%	0.919%
26	17.077	2434	2438	2443	rVV	606524	844867	5.47%	0.707%
27	17.130	2443	2447	2449	rVV2	200999	282756	1.83%	0.237%
28	17.165	2449	2453	2458	rVV	748615	1070739	6.93%	0.896%
29	17.224	2458	2463	2470	rVB4	68370	131821	0.85%	0.110%
30	17.430	2489	2498	2504	rBV2	198218	386501	2.50%	0.323%
31	17.559	2516	2520	2526	rVB3	96109	137708	0.89%	0.115%
32	17.912	2573	2580	2583	rBV	98547	161767	1.05%	0.135%
33	17.953	2583	2587	2595	rVB	273158	398855	2.58%	0.334%
34	18.036	2596	2601	2606	rBV	140586	206696	1.34%	0.173%

LSC Area Percent Report

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Acq On : 31 Jul 2020 16:14
Operator : JU/CG
Sample : L3424-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S88

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-BM072720MA.M
Title : SVOA CALIBRATION

35	18.101	2606	2612	2617	rBV2	280569	553968	3.59%	0.464%
36	18.295	2641	2645	2652	rVV2	150199	231917	1.50%	0.194%
37	18.412	2662	2665	2668	rVV	125501	179882	1.16%	0.151%
38	18.448	2668	2671	2678	rVB	281118	374320	2.42%	0.313%
39	18.665	2705	2708	2713	rVV2	82193	135084	0.87%	0.113%
40	18.753	2719	2723	2727	rVB2	116061	149605	0.97%	0.125%
41	18.830	2732	2736	2742	rBV2	252282	408591	2.65%	0.342%
42	18.900	2742	2748	2751	rVV2	141595	254626	1.65%	0.213%
43	18.971	2755	2760	2769	rVB	960199	1306636	8.46%	1.093%
44	19.100	2776	2782	2788	rVB	7543629	9505523	61.54%	7.954%
45	19.195	2788	2798	2802	rBV2	144717	379775	2.46%	0.318%
46	19.242	2802	2806	2810	rVV	259271	337787	2.19%	0.283%
47	19.295	2810	2815	2816	rVV2	104055	147023	0.95%	0.123%
48	19.336	2820	2822	2833	rVB2	222646	415212	2.69%	0.347%
49	19.465	2839	2844	2851	rVB	9407706	11832643	76.61%	9.901%
50	19.536	2851	2856	2863	rVB2	226007	465123	3.01%	0.389%
51	19.642	2869	2874	2879	rBV	347636	542556	3.51%	0.454%
52	19.695	2879	2883	2890	rVB2	344954	584363	3.78%	0.489%
53	19.795	2893	2900	2905	rBV2	613824	1410479	9.13%	1.180%
54	19.924	2917	2922	2933	rVB4	692225	2050982	13.28%	1.716%
55	20.012	2934	2937	2941	rBV4	84826	134617	0.87%	0.113%
56	20.059	2941	2945	2948	rVB2	203887	265233	1.72%	0.222%
57	20.112	2948	2954	2959	rBV2	876641	1484523	9.61%	1.242%
58	20.153	2959	2961	2965	rVB2	196561	214641	1.39%	0.180%
59	20.200	2965	2969	2974	rBV	142103	196730	1.27%	0.165%
60	20.259	2974	2979	2982	rBV	569309	778107	5.04%	0.651%
61	20.300	2982	2986	2991	rBV2	379818	591008	3.83%	0.495%
62	20.518	3019	3023	3026	rBV4	241816	410433	2.66%	0.343%
63	20.624	3038	3041	3044	rVB3	153021	152330	0.99%	0.127%
64	20.659	3044	3047	3050	rBV	118034	175701	1.14%	0.147%
65	20.706	3051	3055	3061	rVB	1105434	1537694	9.96%	1.287%
66	20.871	3077	3083	3087	rBV2	777655	1571763	10.18%	1.315%
67	20.912	3087	3090	3093	rVV2	849946	1069370	6.92%	0.895%
68	20.947	3093	3096	3101	rVV2	1197080	1937665	12.54%	1.621%
69	21.000	3102	3105	3114	rVB2	778669	1150678	7.45%	0.963%
70	21.218	3133	3142	3145	rBV2	4396868	7555401	48.91%	6.322%
71	21.271	3147	3151	3157	rVV	4650417	6762959	43.78%	5.659%

LSC Area Percent Report

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Acq On : 31 Jul 2020 16:14
Operator : JU/CG
Sample : L3424-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S88

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-BM072720MA.M
Title : SVOA CALIBRATION

72	21.347	3161	3164	3167	rVB3	216647	240724	1.56%	0.201%
73	21.400	3167	3173	3179	rBV4	454413	1090367	7.06%	0.912%
74	21.530	3191	3195	3201	rBV2	571783	881473	5.71%	0.738%
75	21.583	3201	3204	3213	rVB3	430245	808007	5.23%	0.676%
76	21.653	3213	3216	3218	rBV3	96823	133769	0.87%	0.112%
77	21.718	3224	3227	3230	rBV	236025	310396	2.01%	0.260%
78	21.777	3231	3237	3241	rVV	707621	1174303	7.60%	0.983%
79	21.830	3241	3246	3253	rVB3	713151	1131322	7.32%	0.947%
80	21.894	3254	3257	3264	rVB2	287627	455622	2.95%	0.381%
81	21.965	3265	3269	3272	rBV	393675	568372	3.68%	0.476%
82	22.071	3283	3287	3295	rVB2	318001	529734	3.43%	0.443%
83	22.236	3311	3315	3320	rBV	397575	597862	3.87%	0.500%
84	22.400	3339	3343	3351	rVB2	369489	698920	4.52%	0.585%
85	22.518	3358	3363	3370	rBV2	553552	1310657	8.49%	1.097%
86	22.647	3379	3385	3391	rBV3	582438	1054804	6.83%	0.883%
87	22.794	3402	3410	3415	rBV2	6511167	15446283	100.00%	12.924%
88	22.900	3425	3428	3432	rVB	234041	319476	2.07%	0.267%
89	22.953	3432	3437	3444	rVB	698841	1136927	7.36%	0.951%
90	23.083	3454	3459	3470	rBV2	418739	1096725	7.10%	0.918%
91	23.259	3483	3489	3495	rVB	2794103	4817029	31.19%	4.031%
92	23.353	3499	3505	3512	rVB	2409681	4279037	27.70%	3.580%
93	23.441	3514	3520	3524	rVV2	659117	1286803	8.33%	1.077%
94	23.488	3524	3528	3538	rVB2	596864	1406889	9.11%	1.177%
95	24.982	3776	3782	3788	rBV3	230848	557338	3.61%	0.466%
96	25.112	3799	3804	3815	rVB4	438270	1223473	7.92%	1.024%
97	25.418	3851	3856	3864	rVB2	479936	1188368	7.69%	0.994%
98	25.665	3887	3898	3907	rVB	1957624	5771647	37.37%	4.829%
99	26.324	4003	4010	4025	rVB	450253	1326084	8.59%	1.110%
100	26.476	4028	4036	4047	rBV8	251138	776428	5.03%	0.650%

Sum of corrected areas: 119512433

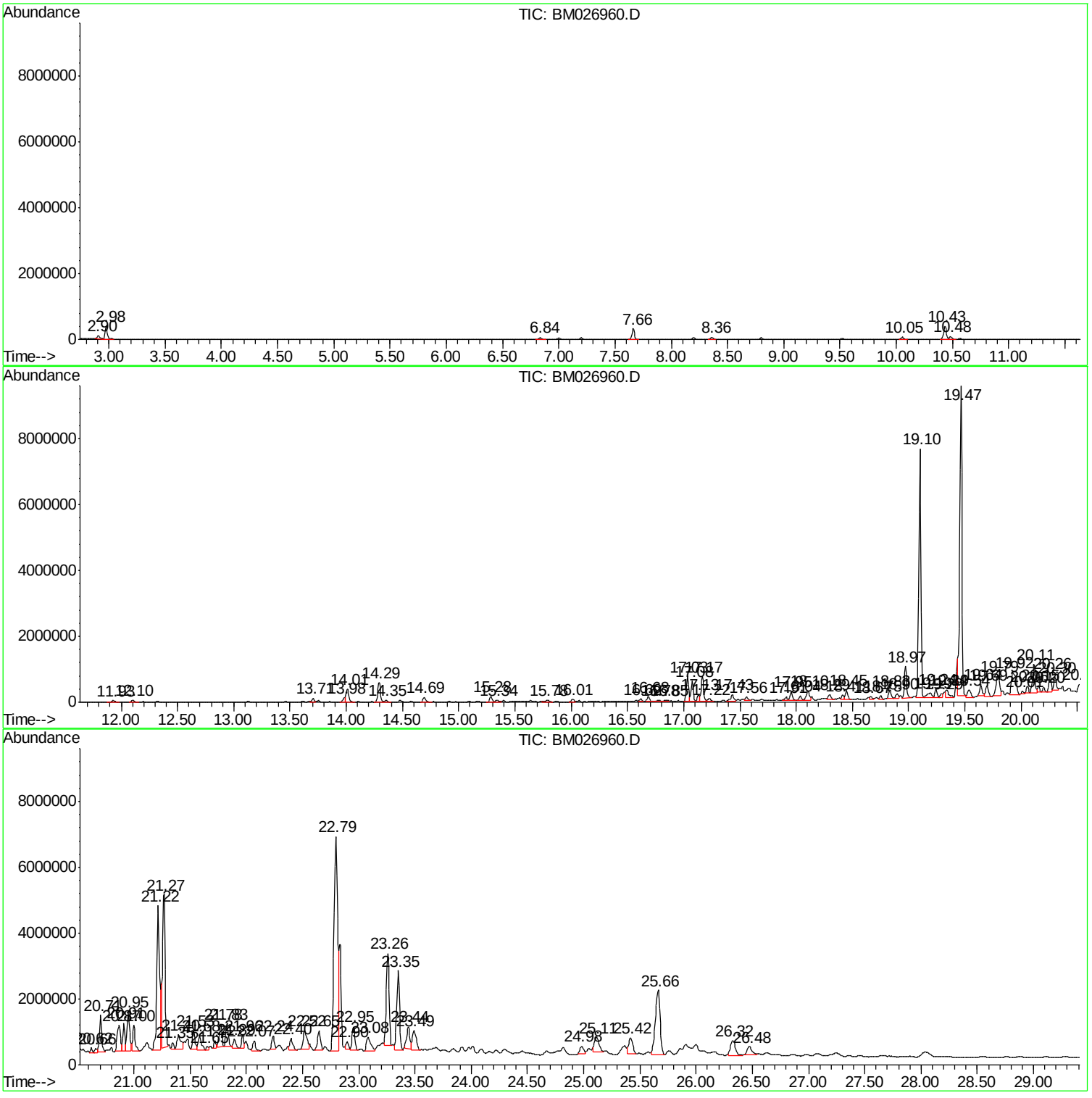
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026960.D
Acq On : 31 Jul 2020 16:14
Operator : JU/CG
Sample : L3424-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S88

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.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\BM073120\
Data File : BM026960.D
Acq On : 31 Jul 2020 16:14
Operator : JU/CG
Sample : L3424-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S88

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

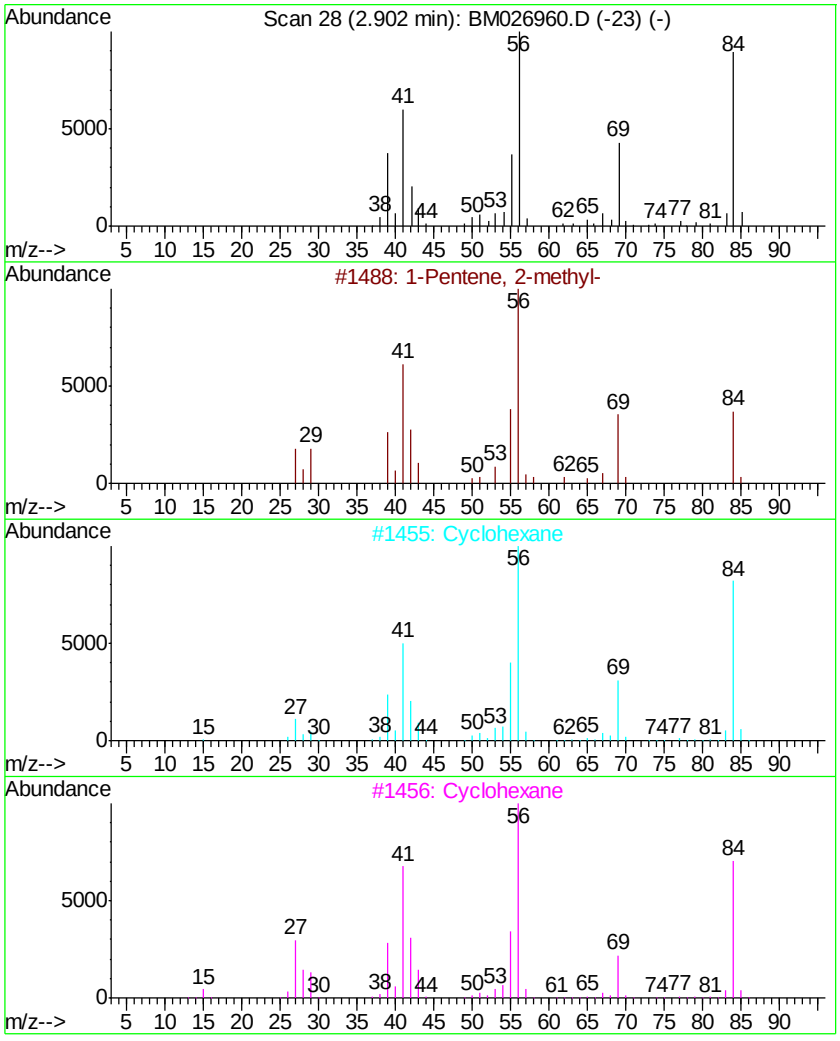
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

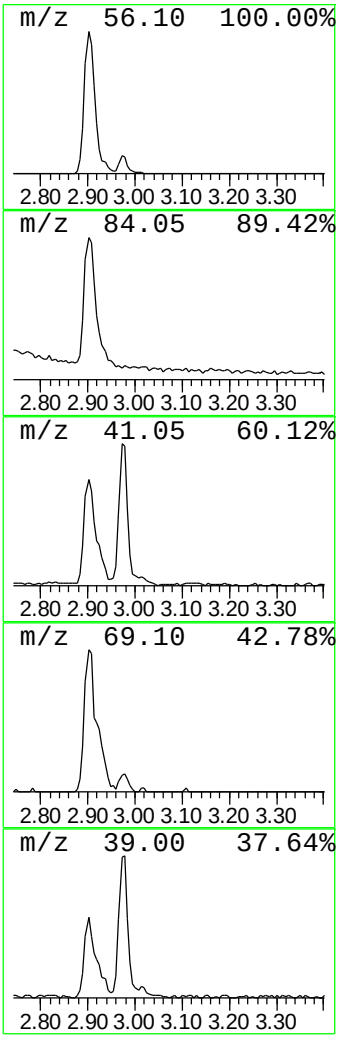
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.90	6.70 ng/ul	172472	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	91
2	Cyclohexane	84	C6H12	000110-82-7	90
3	Cyclohexane	84	C6H12	000110-82-7	87
4	Cyclohexane	84	C6H12	000110-82-7	86
5	Cyclohexane	84	C6H12	000110-82-7	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026960.D
Acq On : 31 Jul 2020 16:14
Operator : JU/CG
Sample : L3424-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S88

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

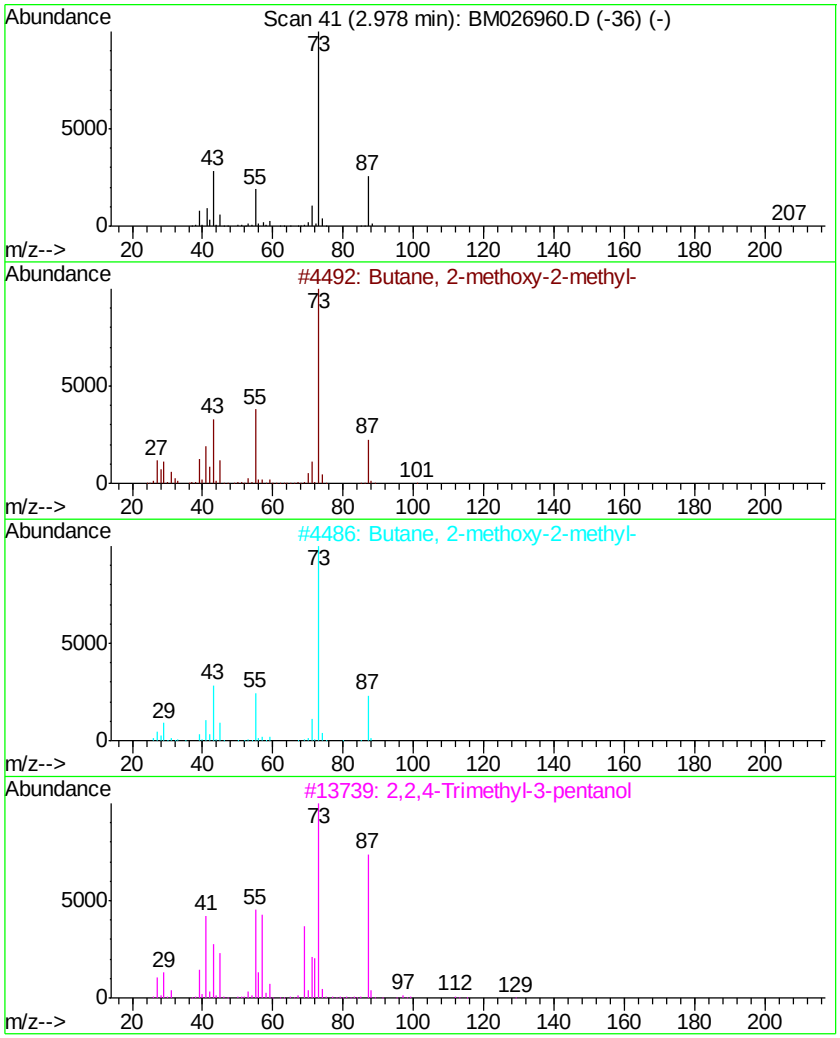
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

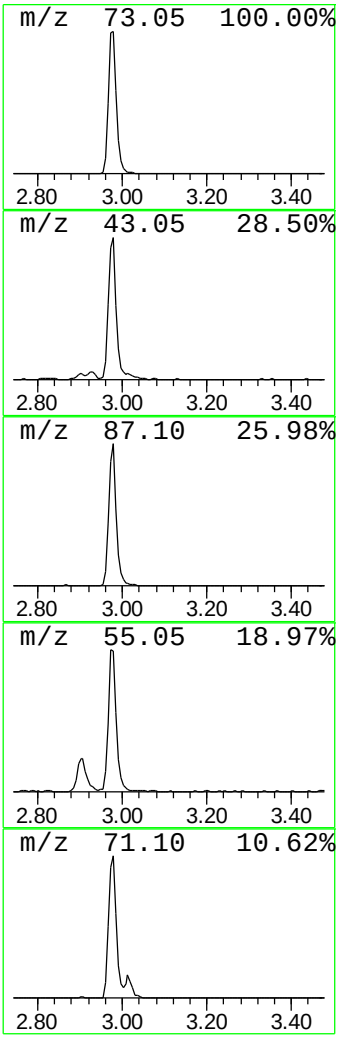
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	20.05 ng/ul	515994	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : C0S88

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

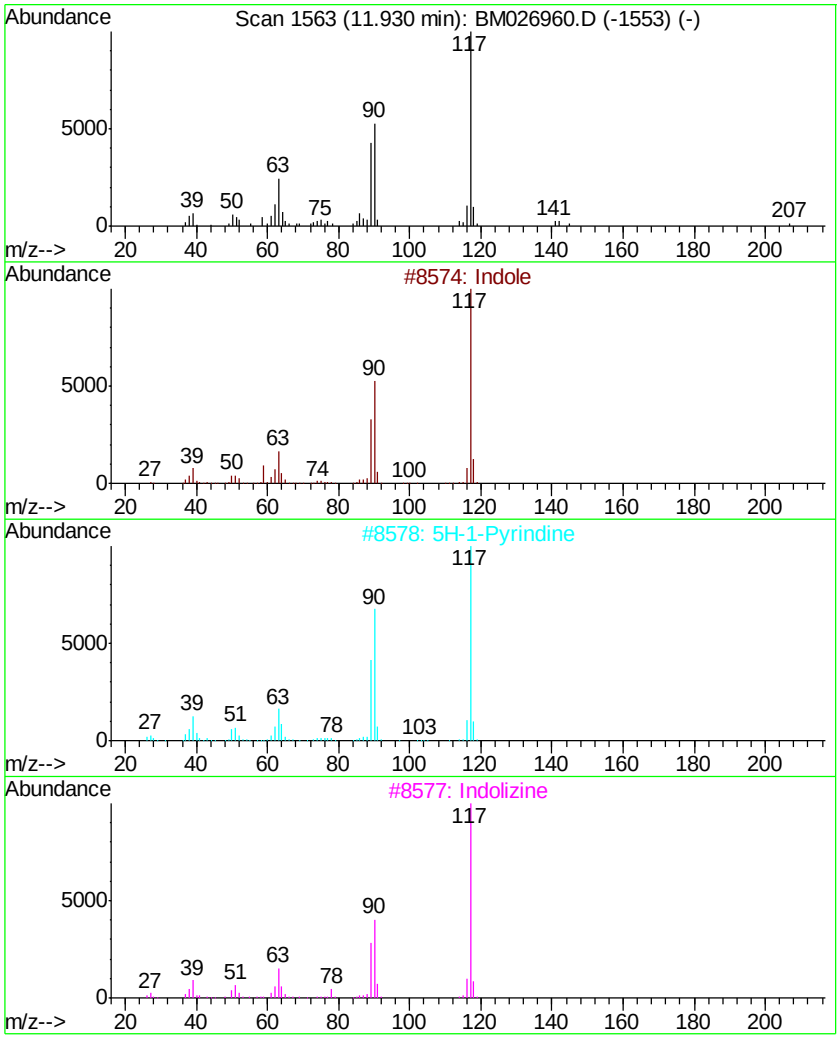
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

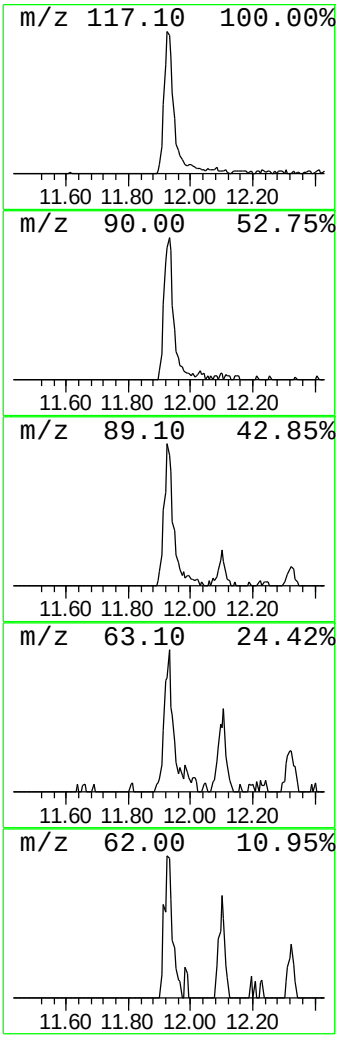
****

Peak Number 3 Indole Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	3.00 ng/ul	107101	Naphthalene-d8	10.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole	117	C8H7N	000120-72-9	91
2	5H-1-Pyrindine	117	C8H7N	000270-91-7	91
3	Indolizine	117	C8H7N	000274-40-8	91
4	Indole	117	C8H7N	000120-72-9	91
5	Indole	117	C8H7N	000120-72-9	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026960.D
Acq On : 31 Jul 2020 16:14
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S88

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

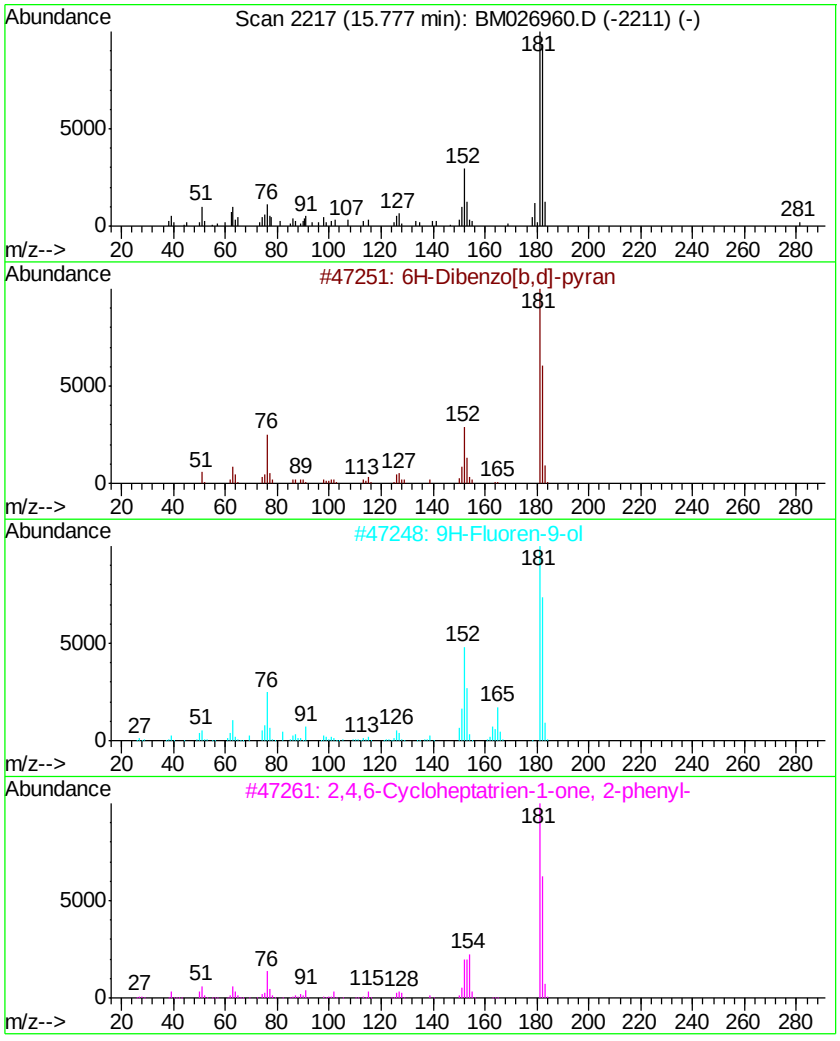
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

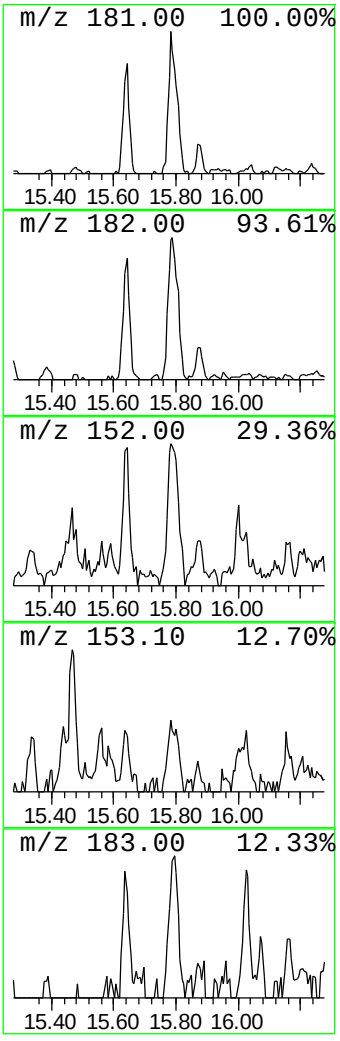
****

Peak Number 4 6H-Dibenzo[b,d]-pyran Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	2.13 ng/ul	117058	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	94
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
5	9H-Xanthene	182	C13H10O	000092-83-1	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026960.D
Acq On : 31 Jul 2020 16:14
Operator : JU/CG
Sample : L3424-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S88

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

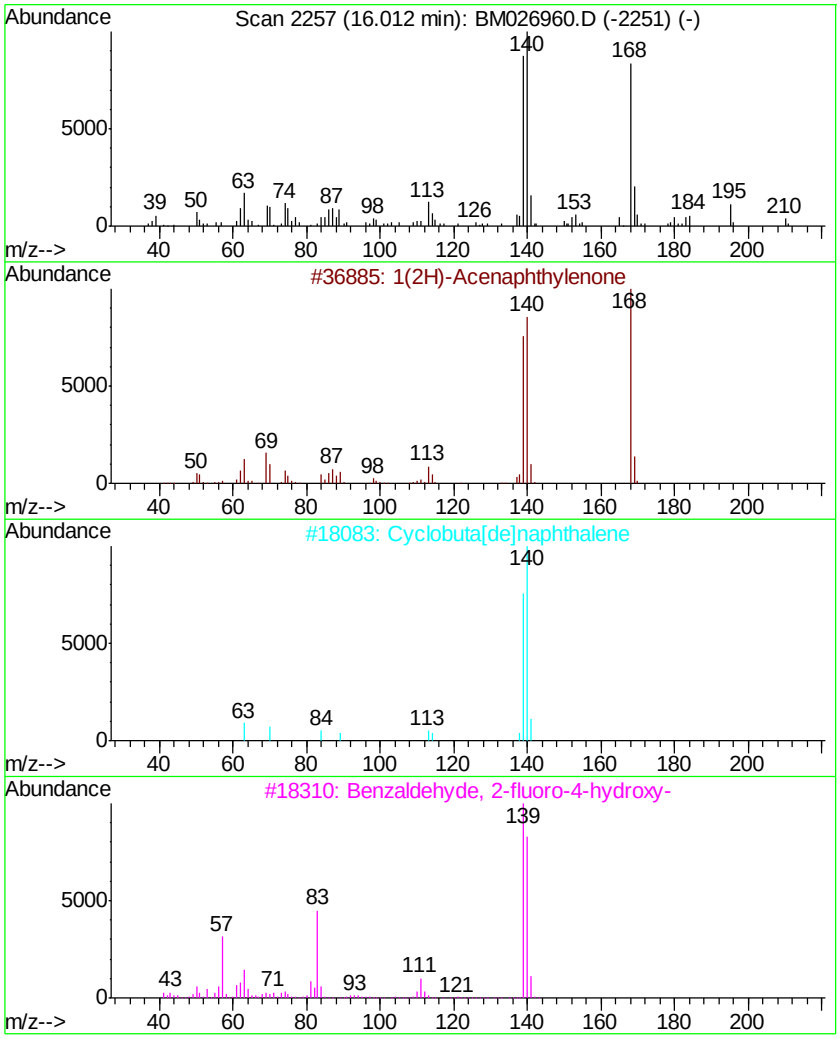
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

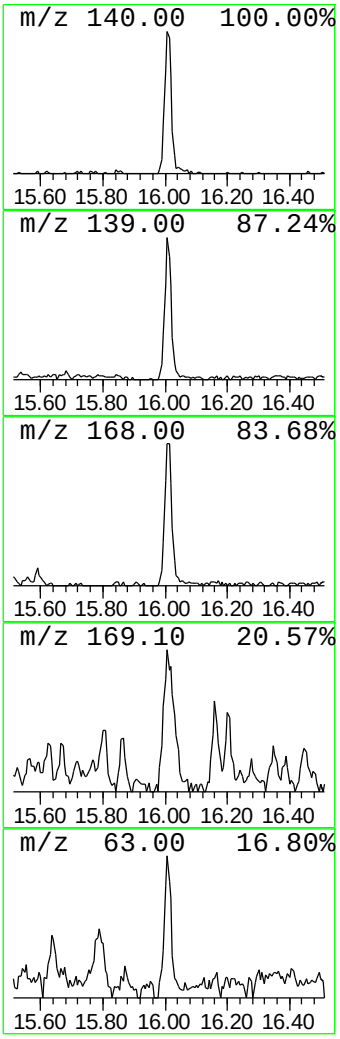
****

Peak Number 5 1(2H)-Acenaphthylenone Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	2.83 ng/ul	155621	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	91
2	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	49
3	Benzaldehyde, 2-fluoro-4-hydroxy-	140	C7H5FO2	000348-27-6	47
4	Dibenzofuran	168	C12H8O	000132-64-9	41
5	Benzaldehyde, 4-fluoro-3-hydroxy-	140	C7H5FO2	103438-85-3	38





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Sample : L3424-13 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0S88

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Quant Title : SVOA CALIBRATION

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

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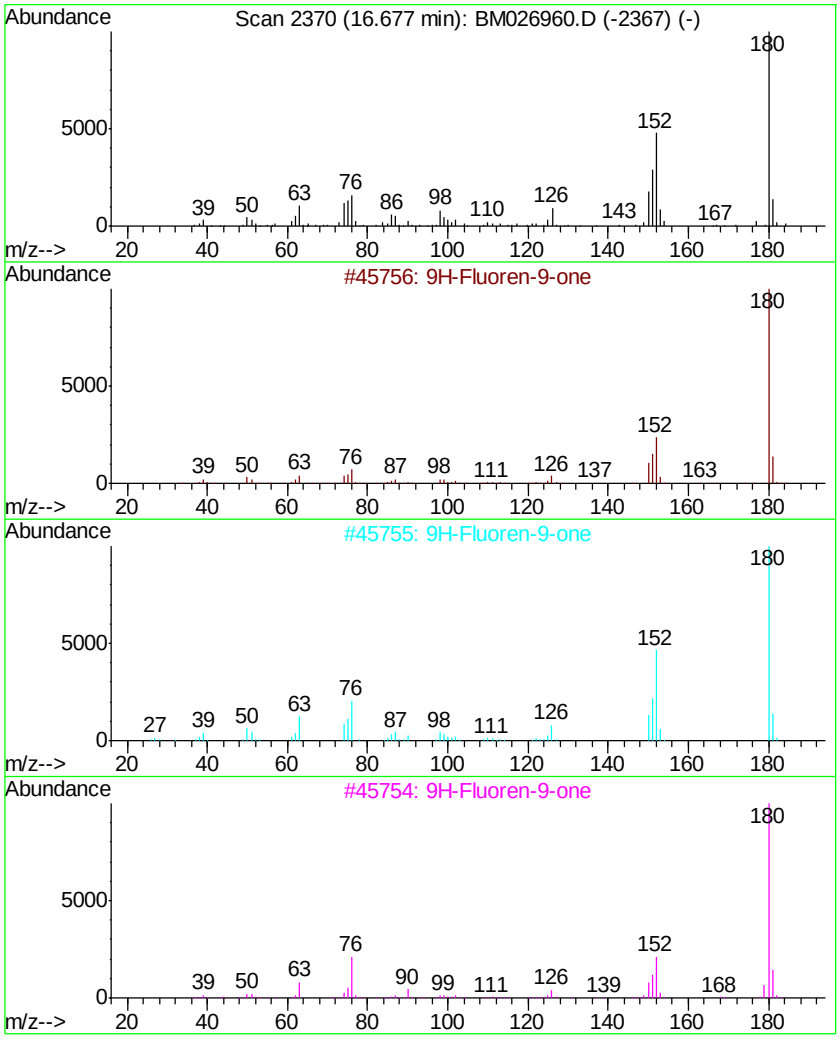
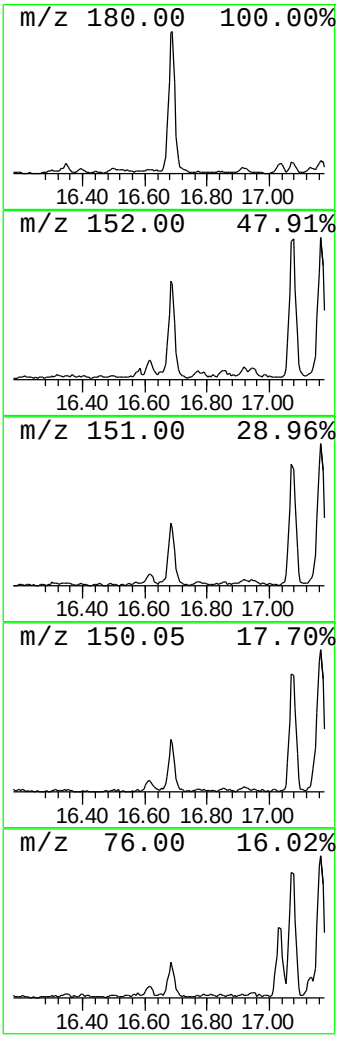
Peak Number 7 9H-Fluoren-9-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	4.38 ng/ul	240607	Phenanthrene-d10	17.04

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





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Instrument : BNA_M
ClientSampleId : C0S88

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Quant Title : SVOA CALIBRATION

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

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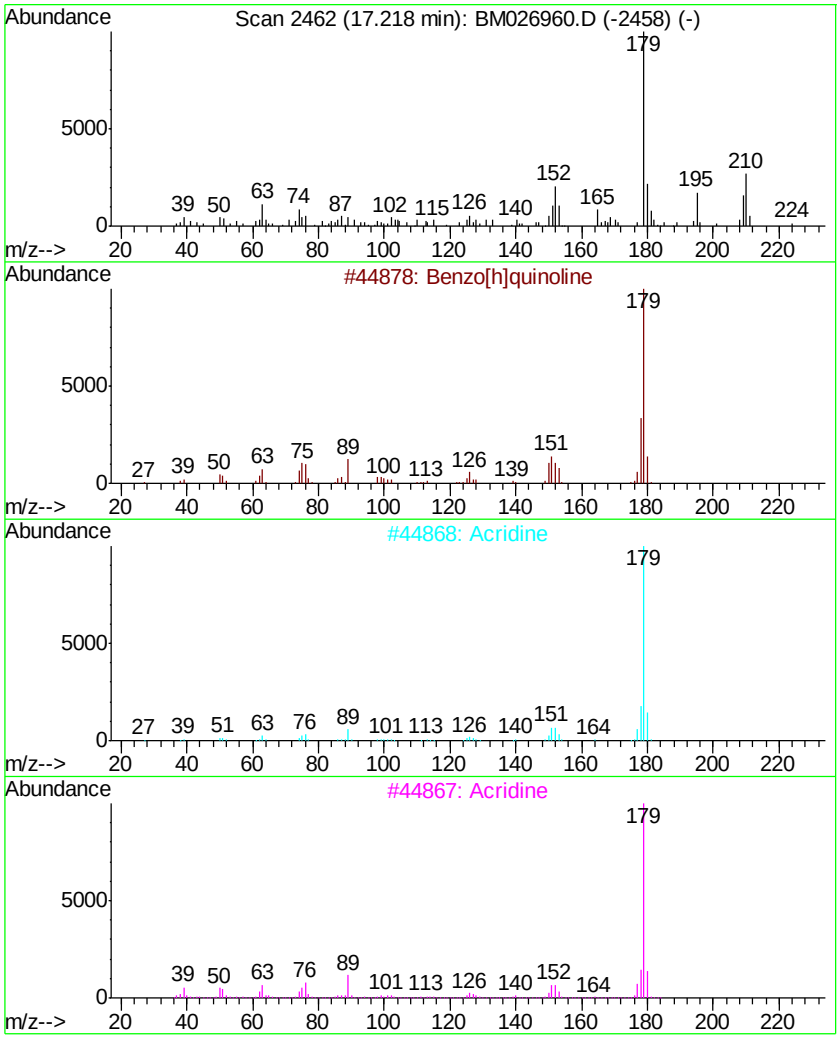
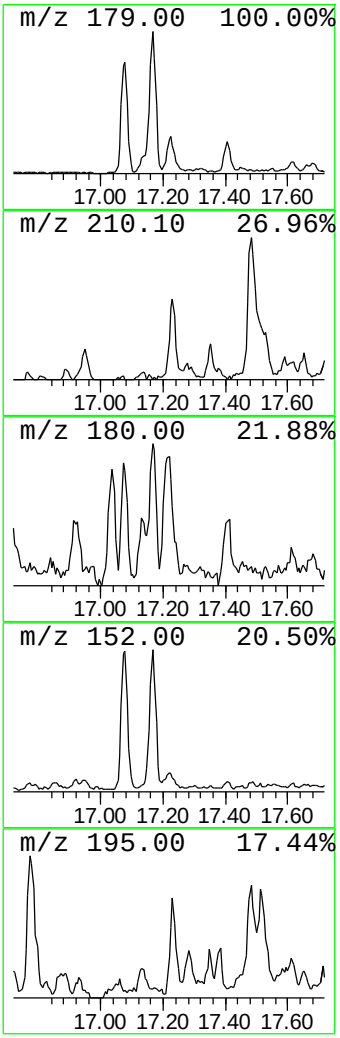
Peak Number 8 Benzo[h]quinoline Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	2.40 ng/ul	131821	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]quinoline	179	C13H9N	000230-27-3	50
2	Acridine	179	C13H9N	000260-94-6	50
3	Acridine	179	C13H9N	000260-94-6	50
4	Benzoic acid, 2,4-dimethoxy-6-me...	210	C11H14O4	006110-37-8	47
5	Phenanthridine	179	C13H9N	000229-87-8	46





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Instrument : BNA_M
ClientSampleId : C0S88

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Quant Title : SVOA CALIBRATION

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

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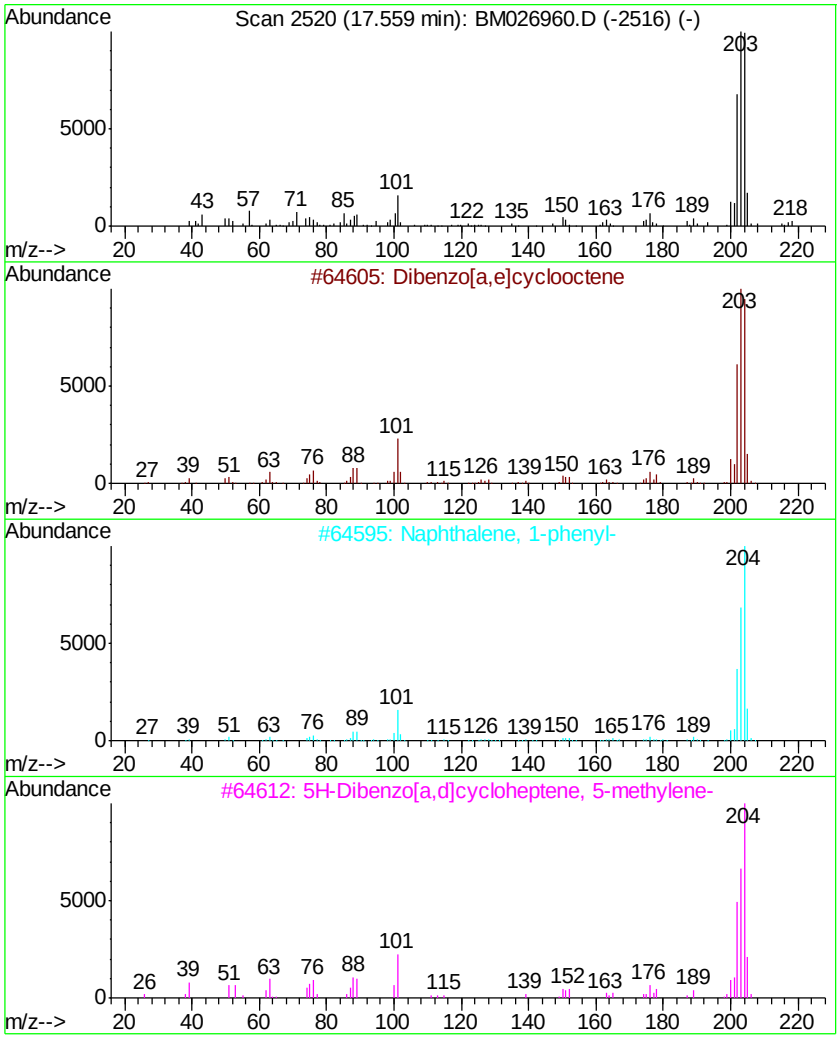
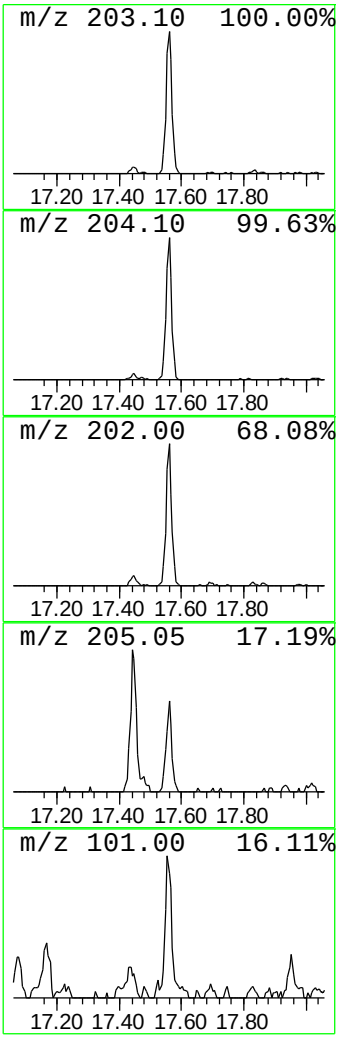
Peak Number 9 Dibenzo[a,e]cyclooctene Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	2.51 ng/ul	137708	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	81
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	78
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	76
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76





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ClientSampleId : C0S88

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Quant Title : SVOA CALIBRATION

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

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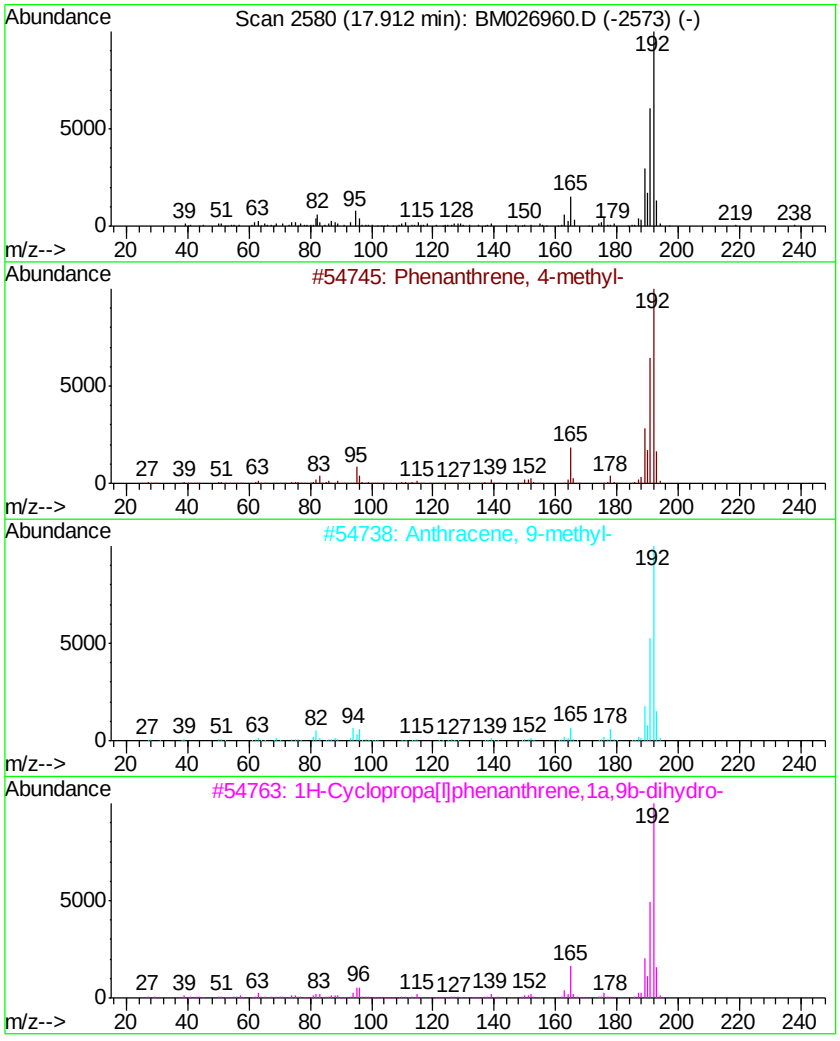
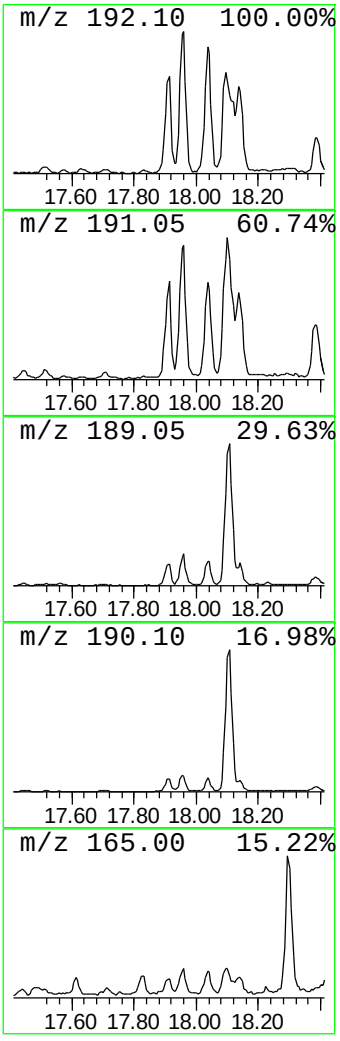
Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	2.95 ng/ul	161767	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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ClientSampleId : C0S88

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Quant Title : SVOA CALIBRATION

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

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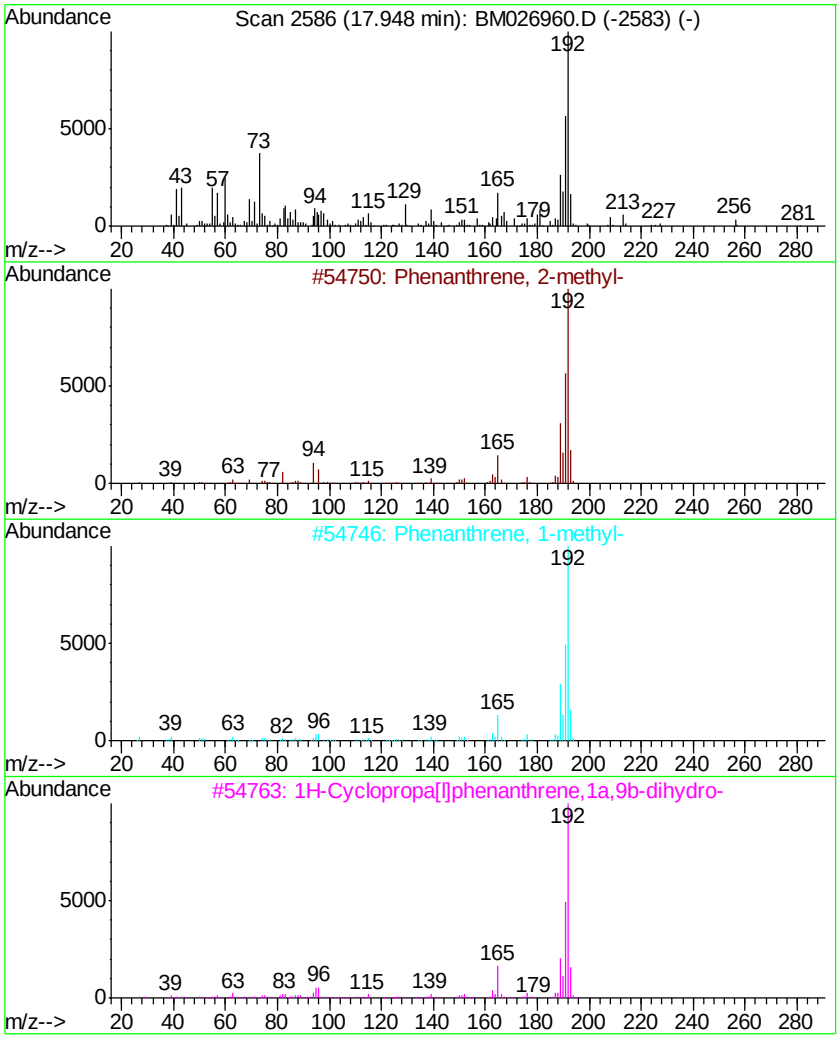
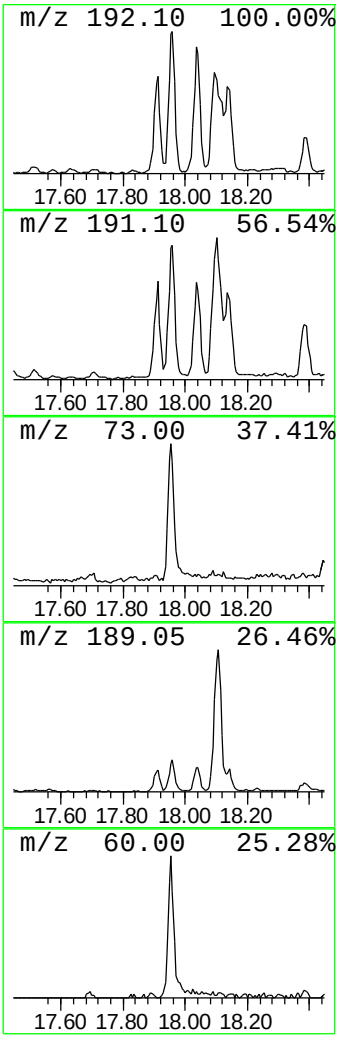
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	7.26 ng/ul	398855	Phenanthrene-d10	17.04

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Quant Title : SVOA CALIBRATION

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

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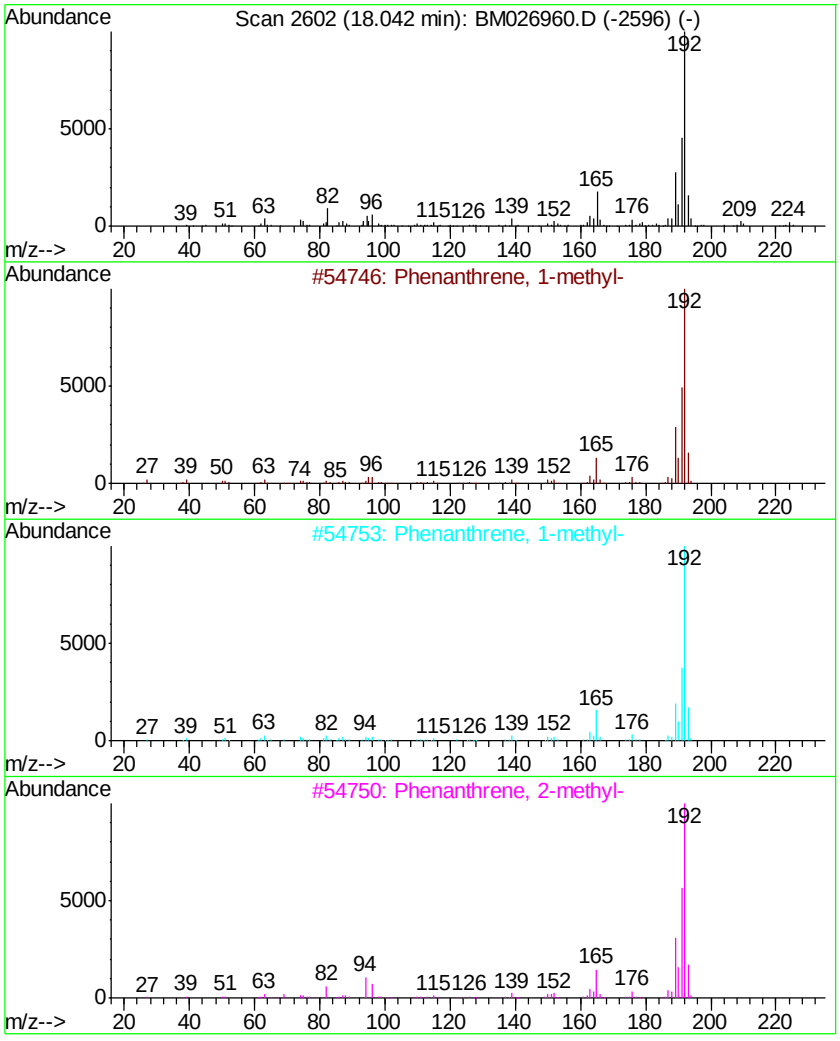
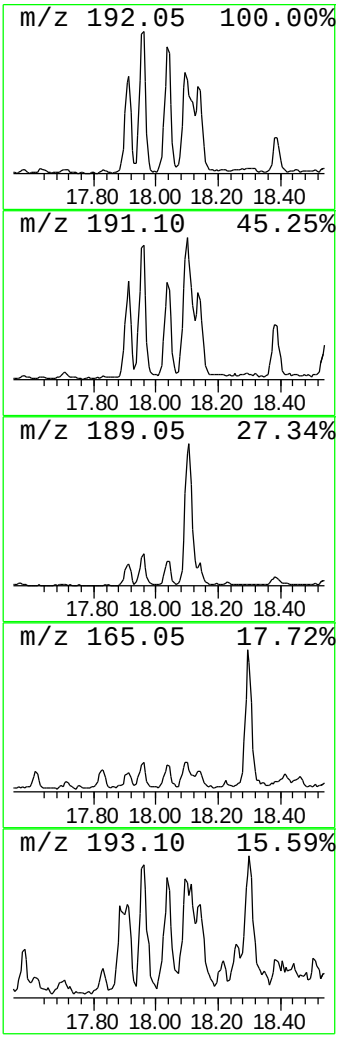
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	3.76 ng/ul	206696	Phenanthrene-d10	17.04

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





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Instrument : BNA_M
ClientSampleId : C0S88

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Quant Title : SVOA CALIBRATION

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

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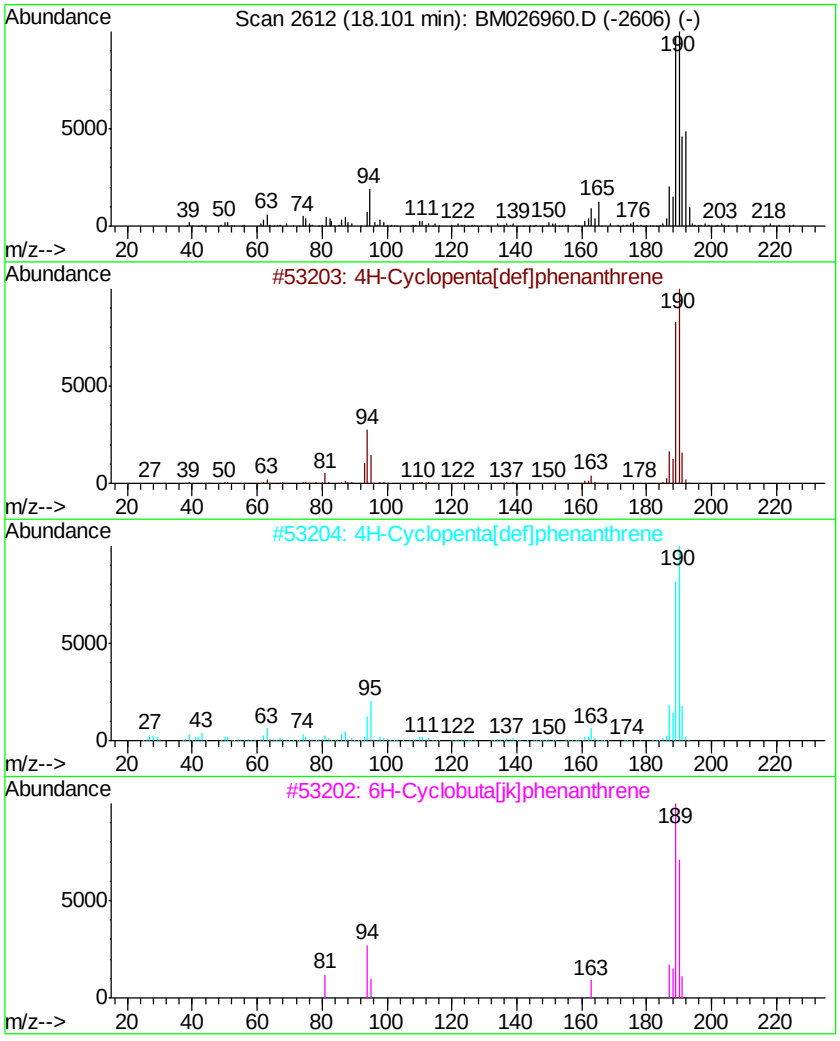
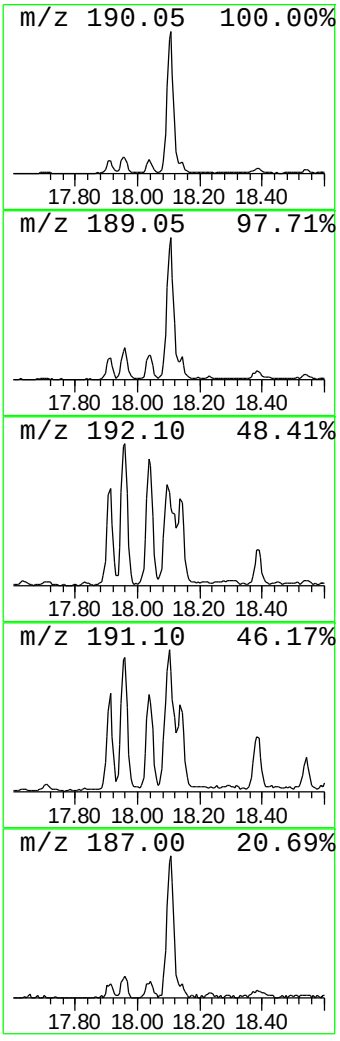
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	10.09 ng/ul	553968	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50





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Quant Title : SVOA CALIBRATION

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

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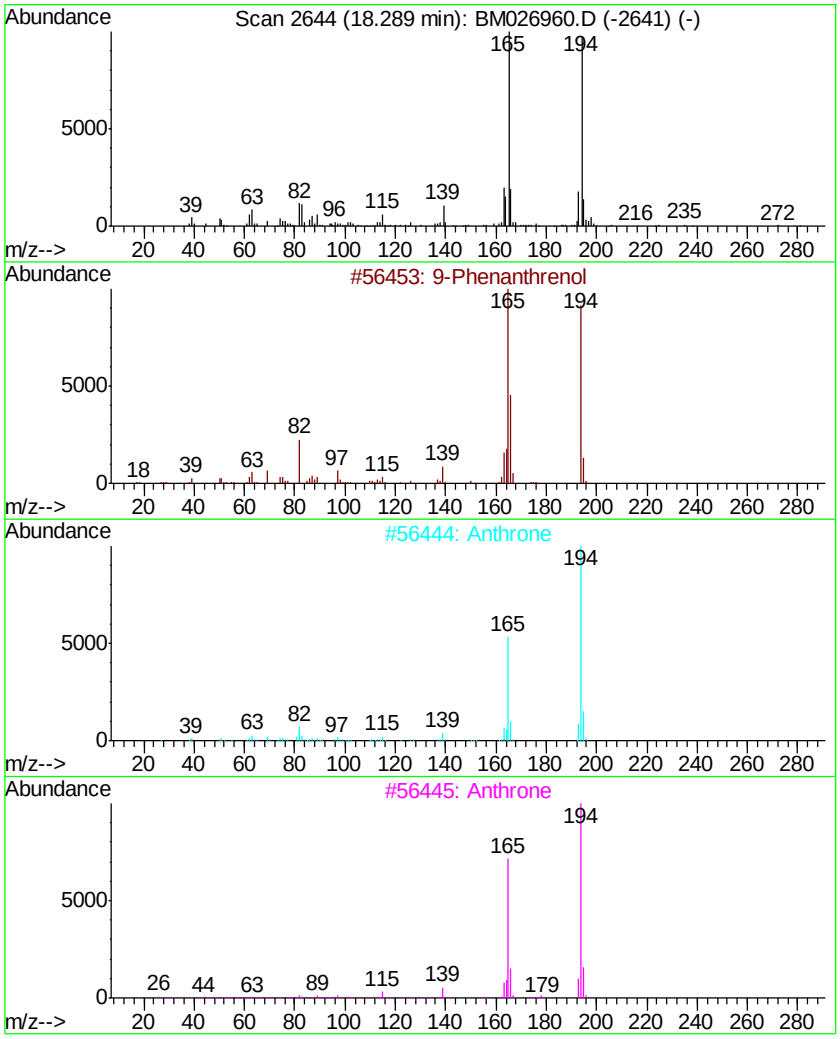
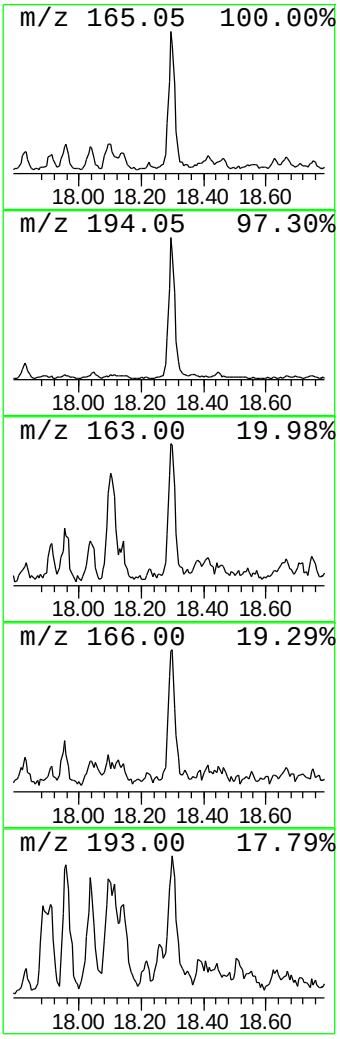
Peak Number 14 9-Phenanthrenol Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	4.22 ng/ul	231917	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Phenanthrenol	194	C14H10O	000484-17-3	93
2	Anthrone	194	C14H10O	000090-44-8	91
3	Anthrone	194	C14H10O	000090-44-8	91
4	5H-Dibenzo[a,d]cycloheptane-10,1...	222	C15H10O2	052559-75-8	91
5	Anthrone	194	C14H10O	000090-44-8	90





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Quant Title : SVOA CALIBRATION

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

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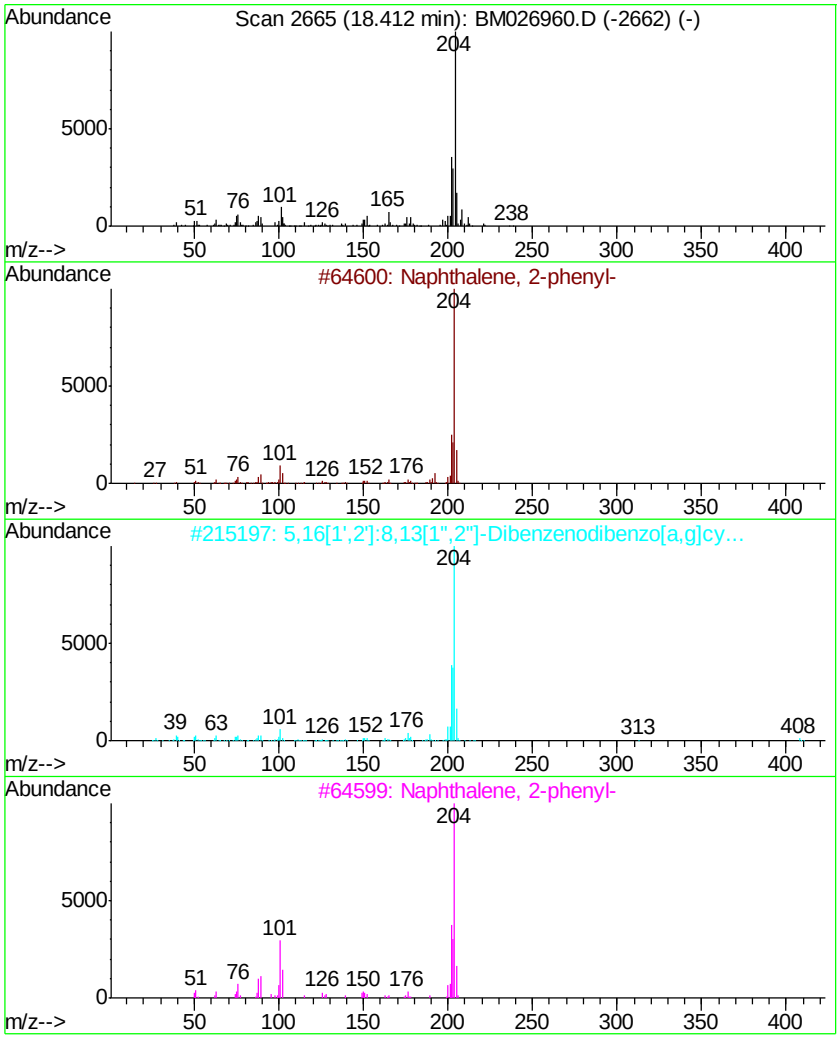
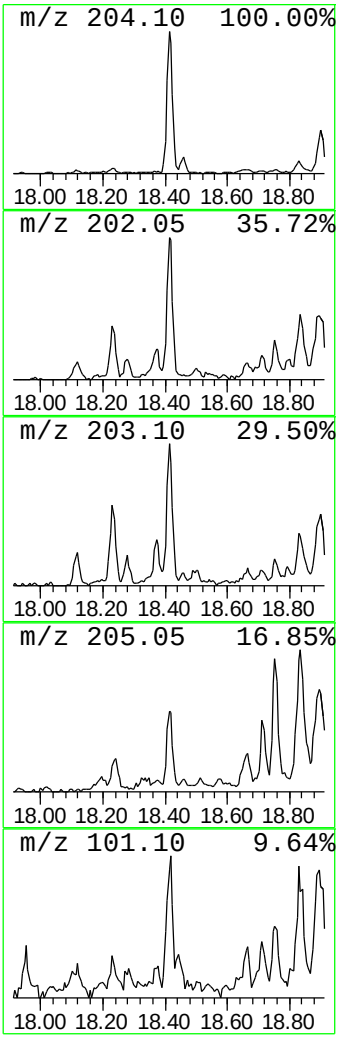
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	3.27 ng/ul	179882	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76





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Quant Title : SVOA CALIBRATION

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

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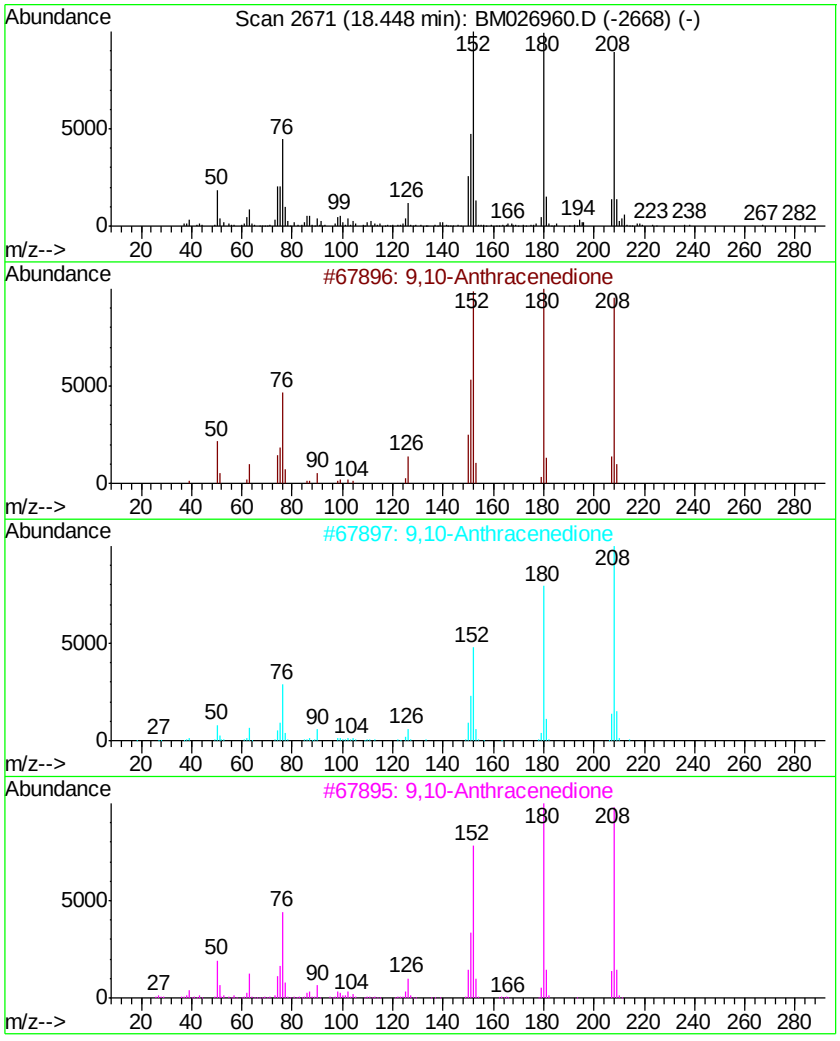
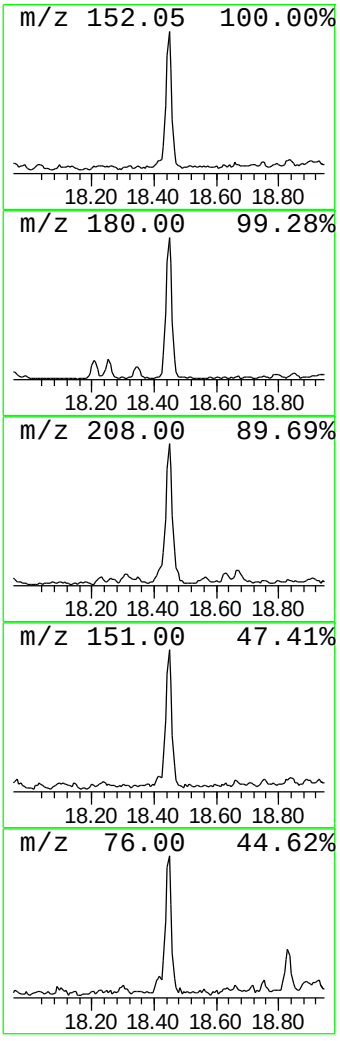
Peak Number 16 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	6.81 ng/ul	374320	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70





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

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Peak Number 17 Phenanthrene, 4,5-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	2.46 ng/ul	135084	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	89
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	76
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	76
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	76
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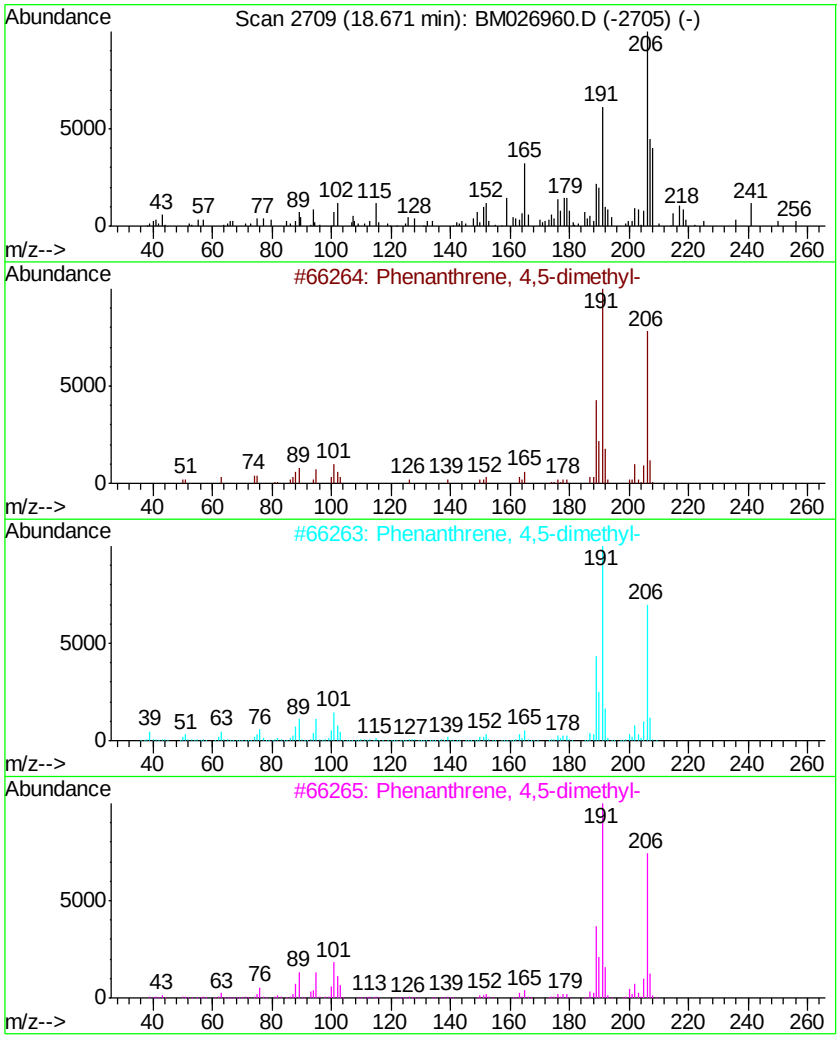

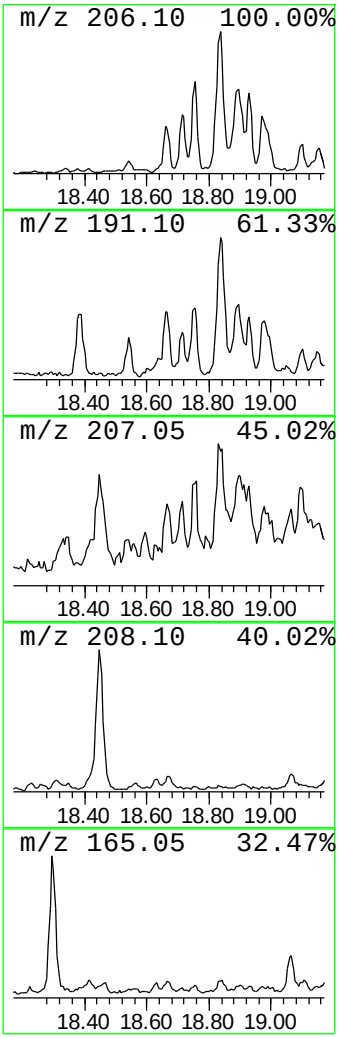

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Sample : L3424-13 5X
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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S88

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TIC Integration Parameters: LSCINT.P

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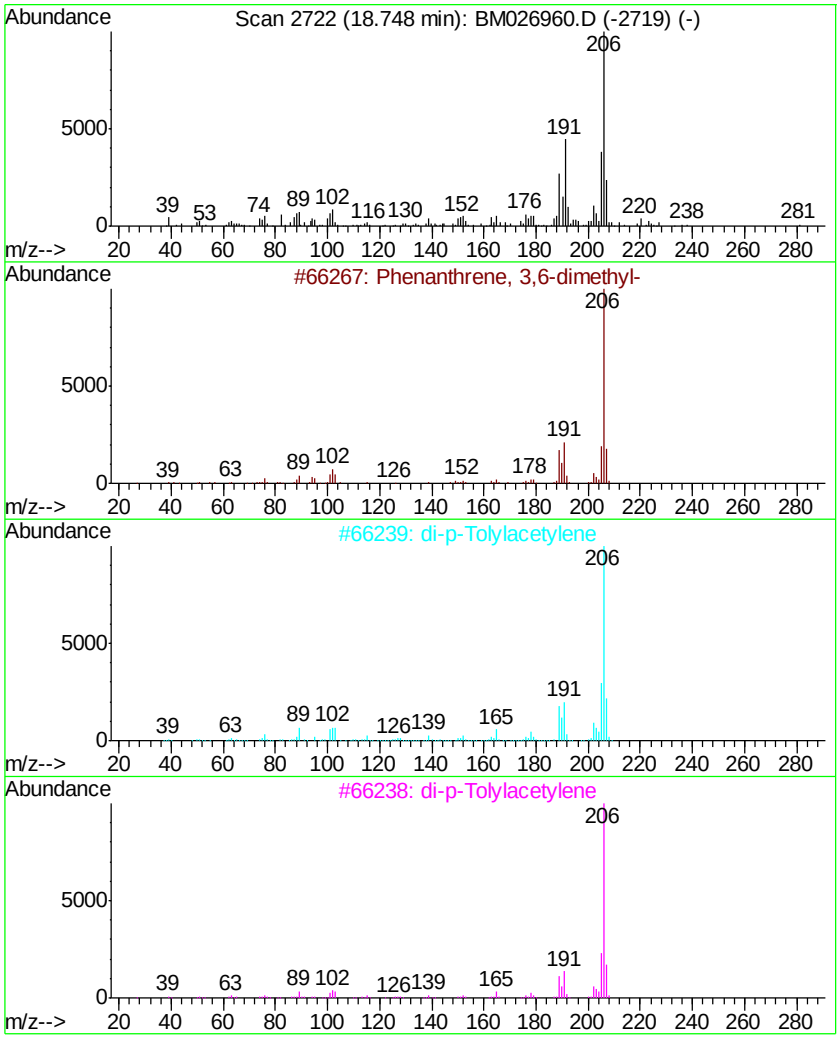
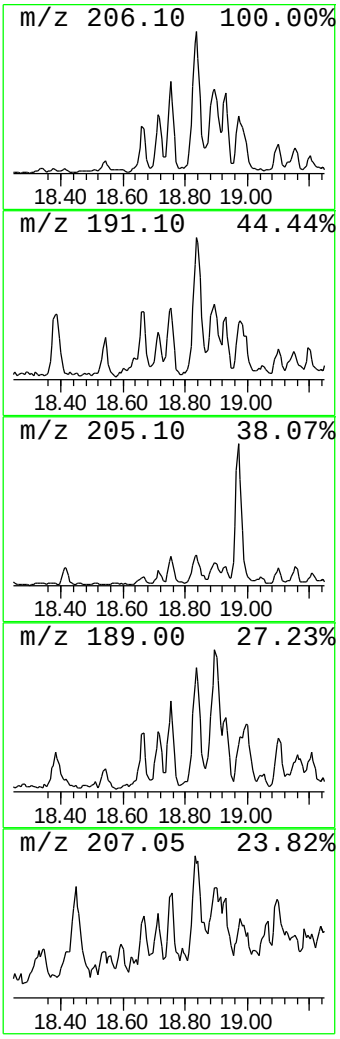
Peak Number 18 Phenanthrene, 3,6-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	2.72 ng/ul	149605	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90





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Sample : L3424-13 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0S88

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

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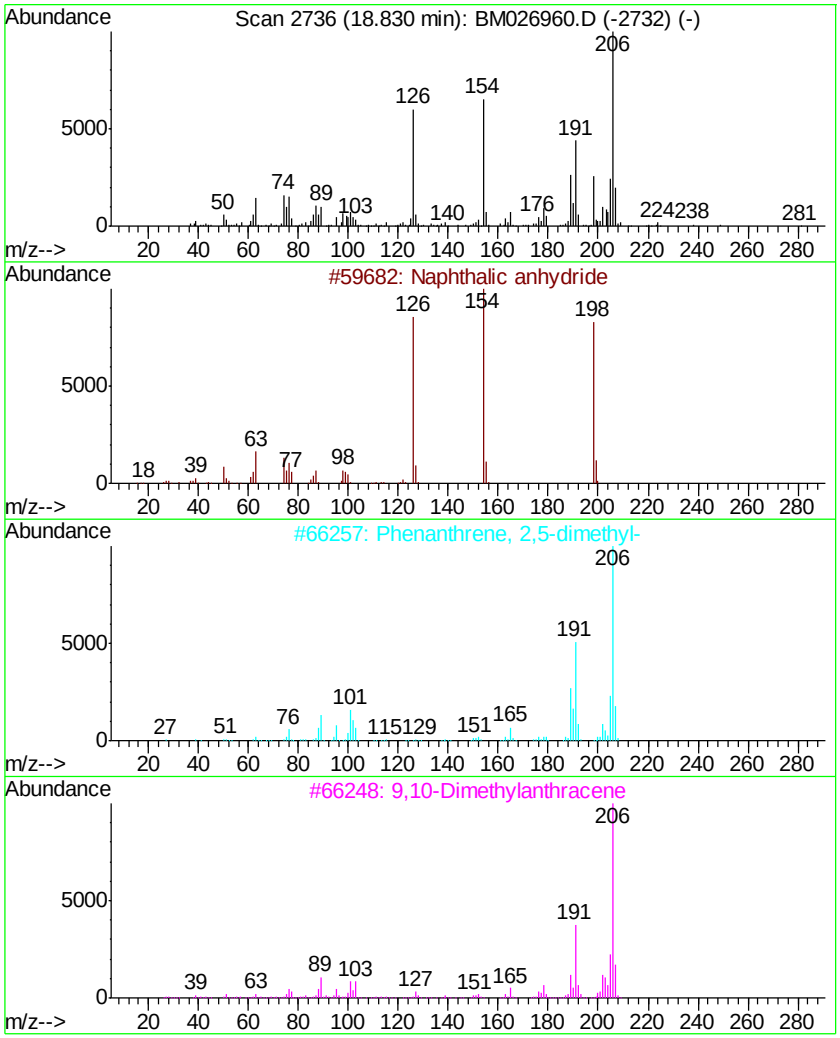
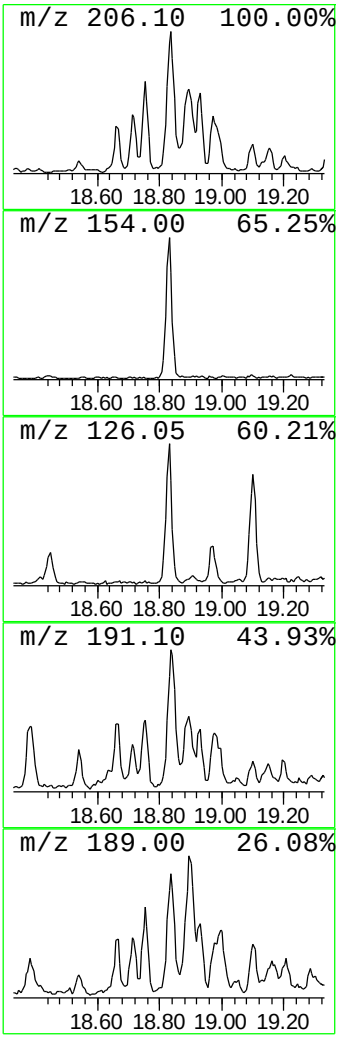
Peak Number 19 Naphthalic anhydride Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	7.44 ng/ul	408591	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	91
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	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87





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Quant Title : SVOA CALIBRATION

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

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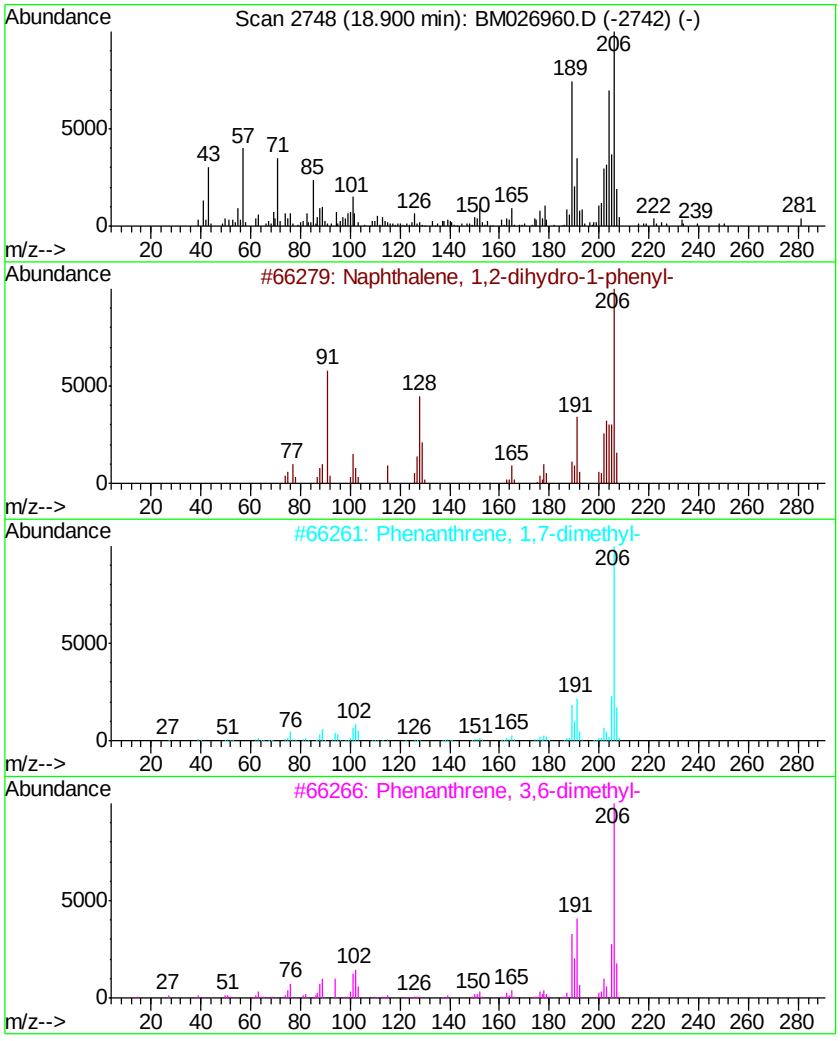
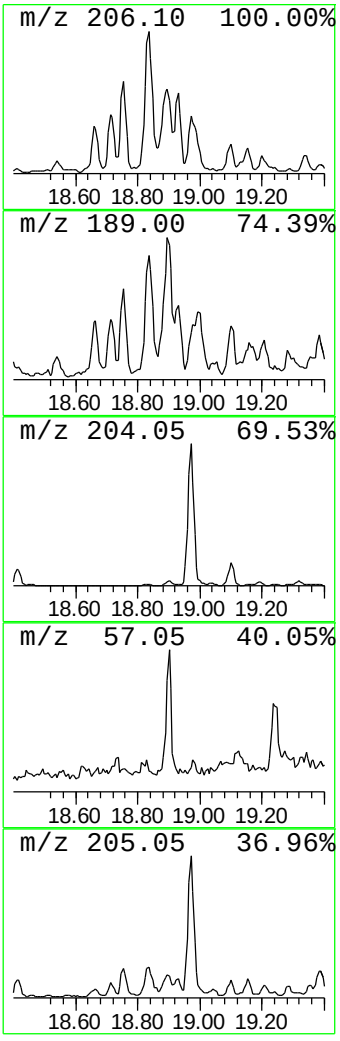
Peak Number 20 Naphthalene, 1,2-dihydro-1-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	4.64 ng/ul	254626	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	62
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	55
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	46
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	46





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Quant Title : SVOA CALIBRATION

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

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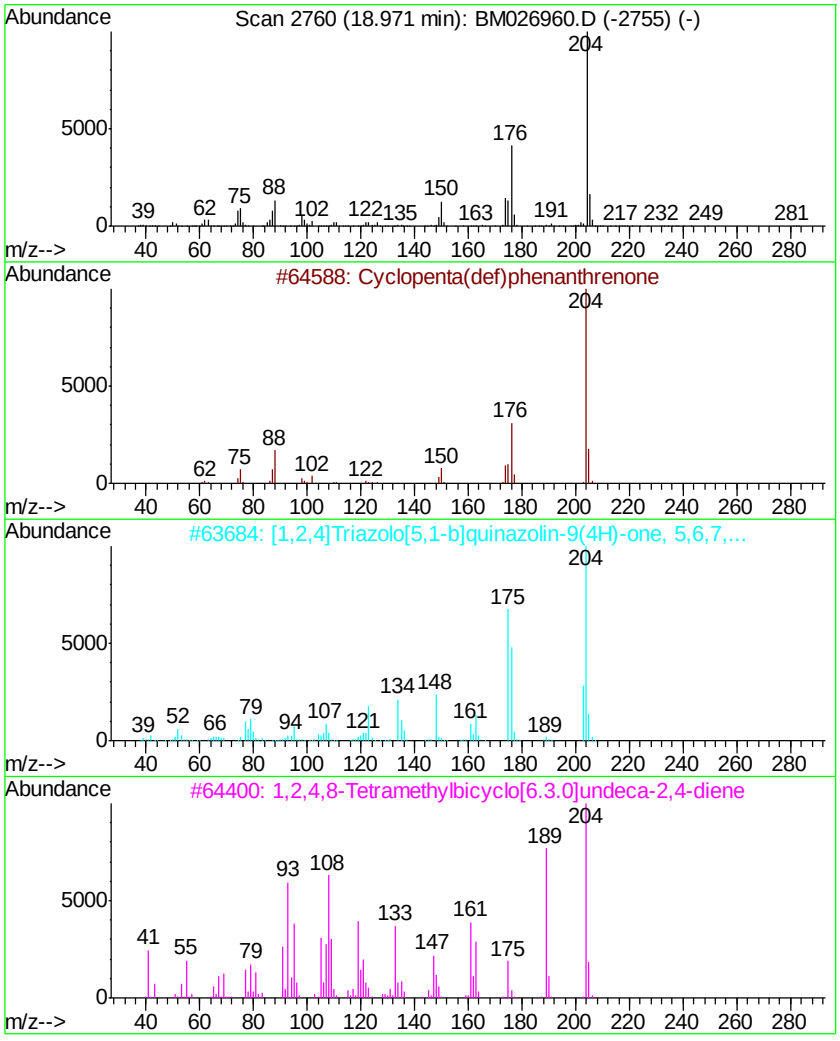
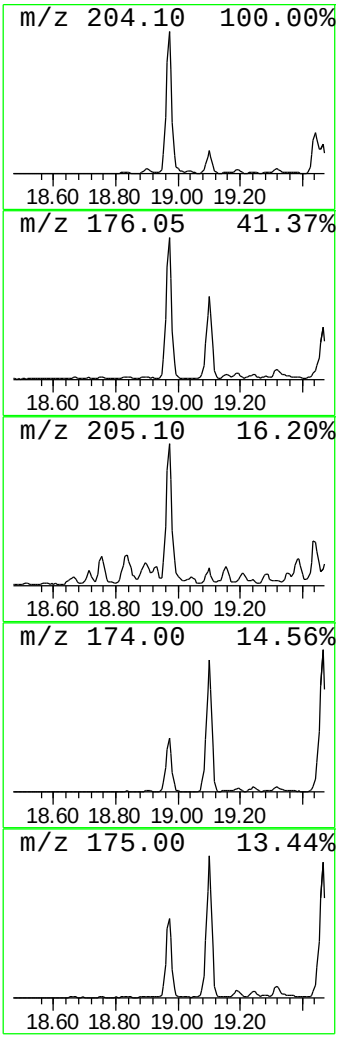
Peak Number 21 Cyclopenta(def)phenanthrenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	23.79 ng/ul	1306640	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	[1,2,4]Triazolo[5,1-b]quinazolin...	204	C10H12N4O	1000337-56-5	45
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43
5	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	43





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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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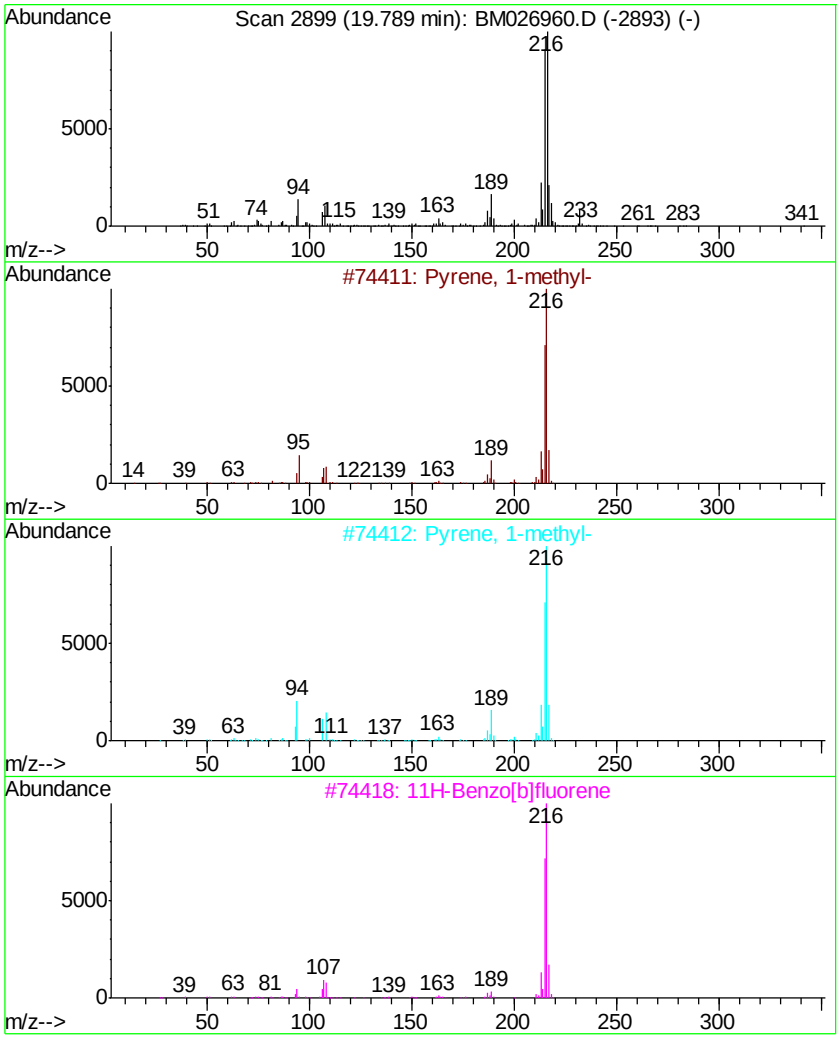
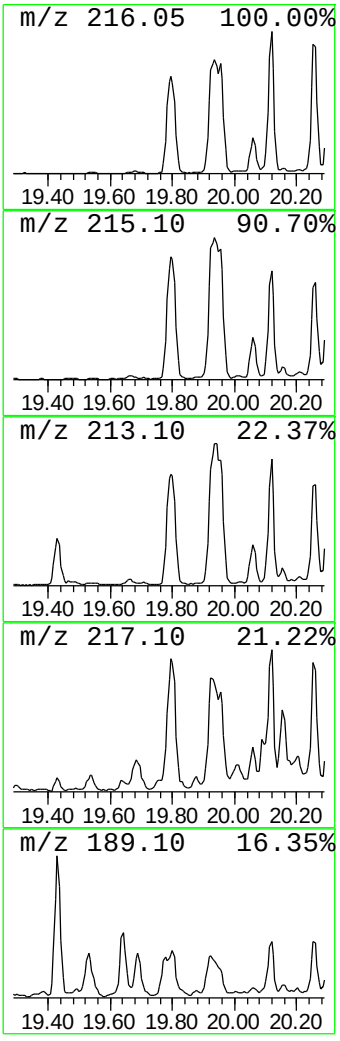
Peak Number 22 Pyrene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	3.73 ng/ul	1410480	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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Quant Title : SVOA CALIBRATION

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

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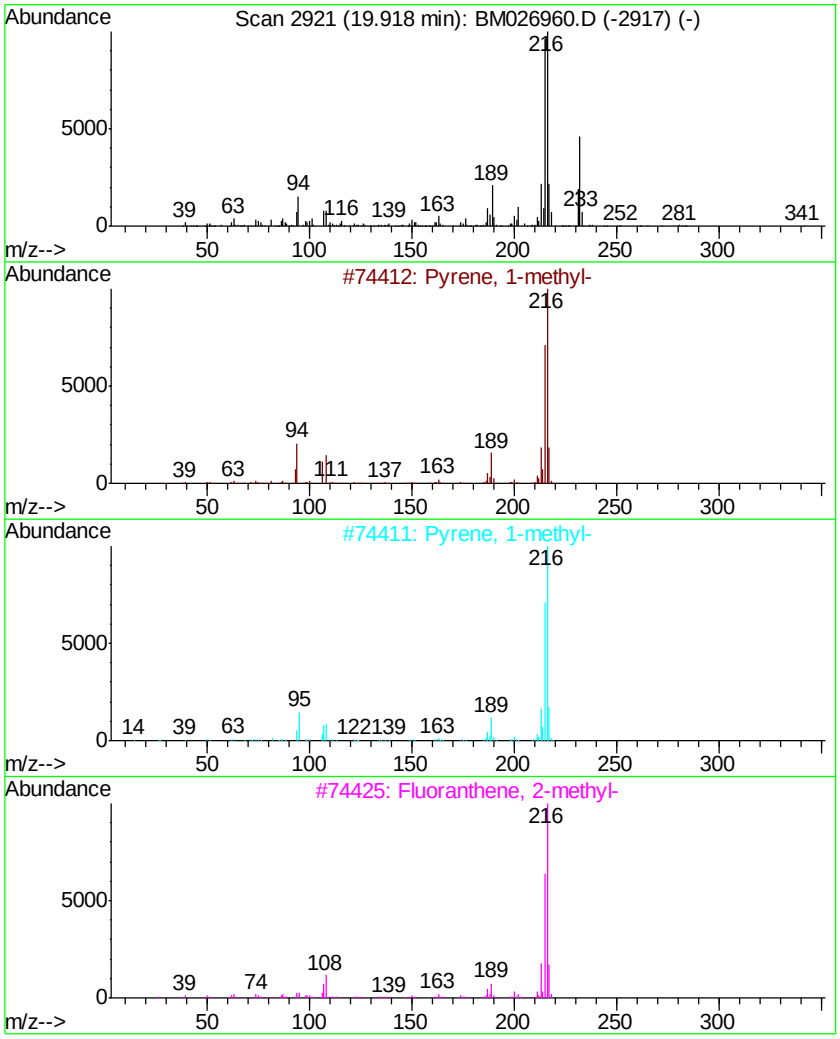
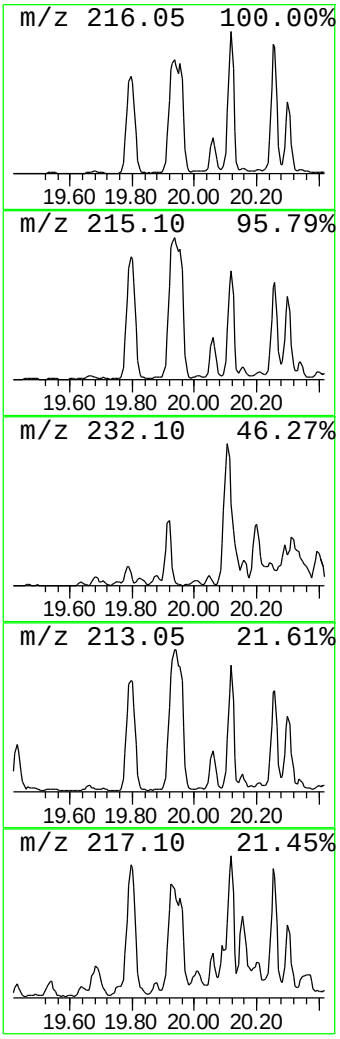
Peak Number 23 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	5.43 ng/ul	2050980	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
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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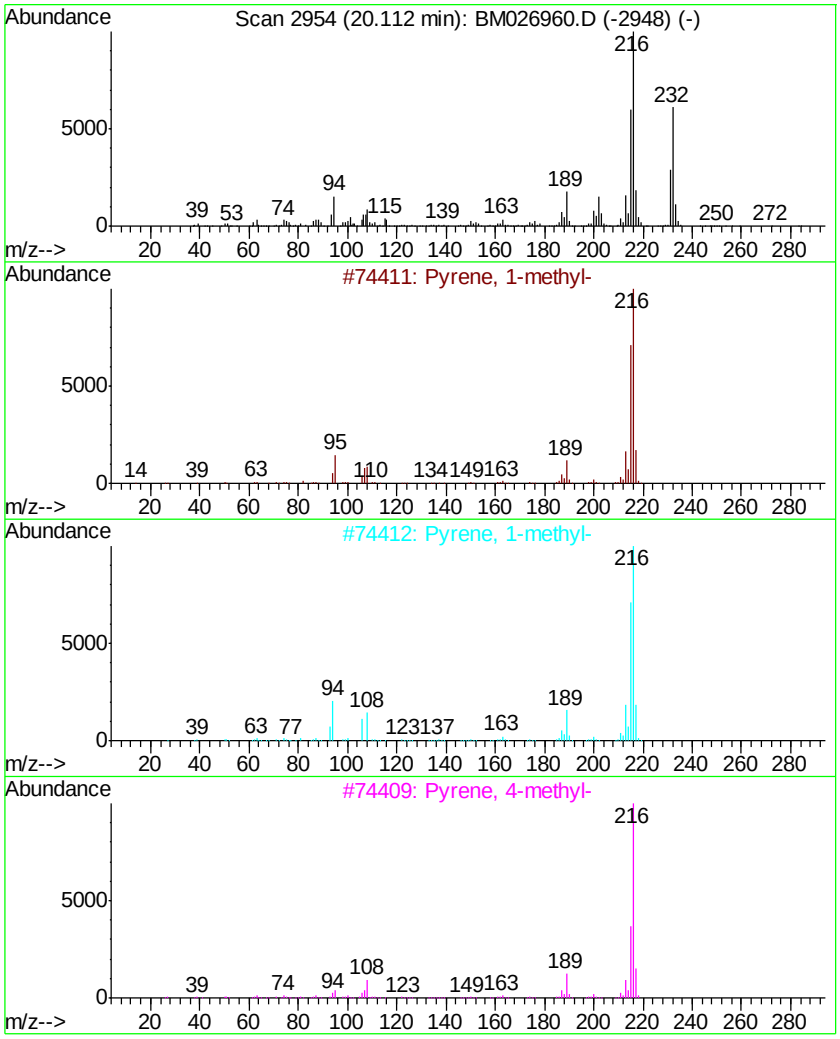
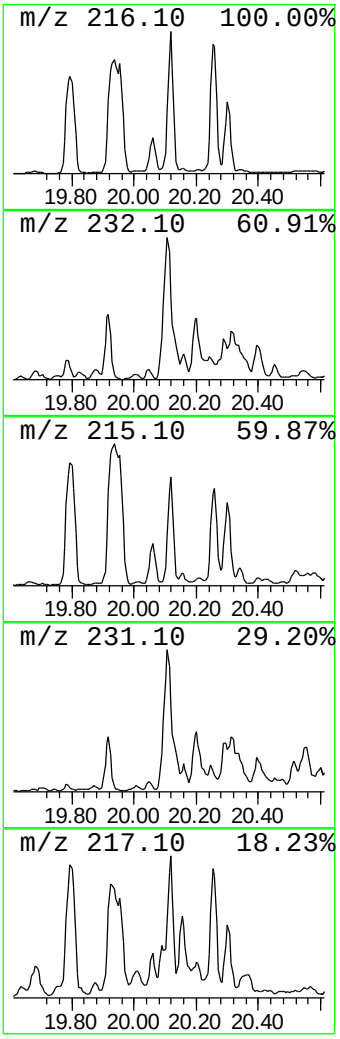
Peak Number 24 Pyrene, 4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	3.93 ng/ul	1484520	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60





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Quant Title : SVOA CALIBRATION

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

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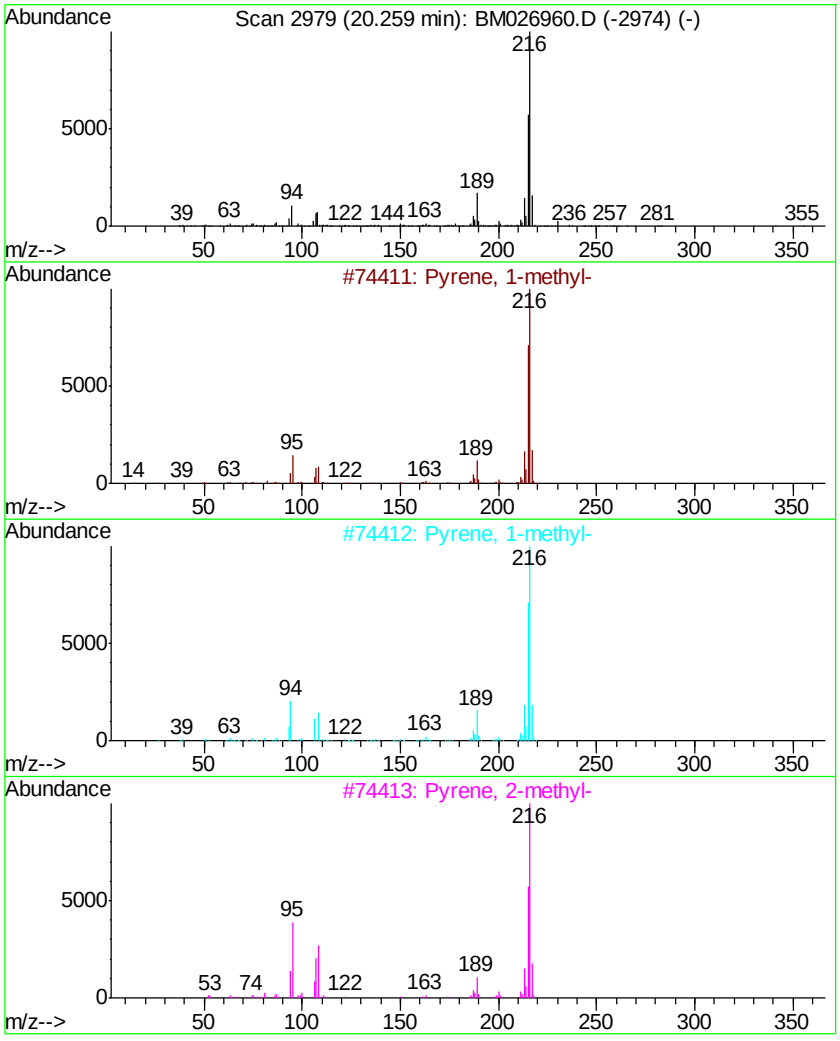
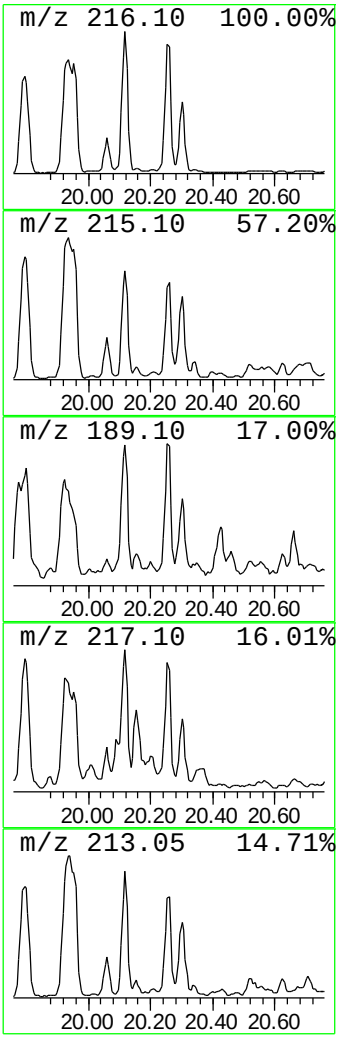
Peak Number 25 Pyrene, 2-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	2.06 ng/ul	778107	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93





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Quant Title : SVOA CALIBRATION

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

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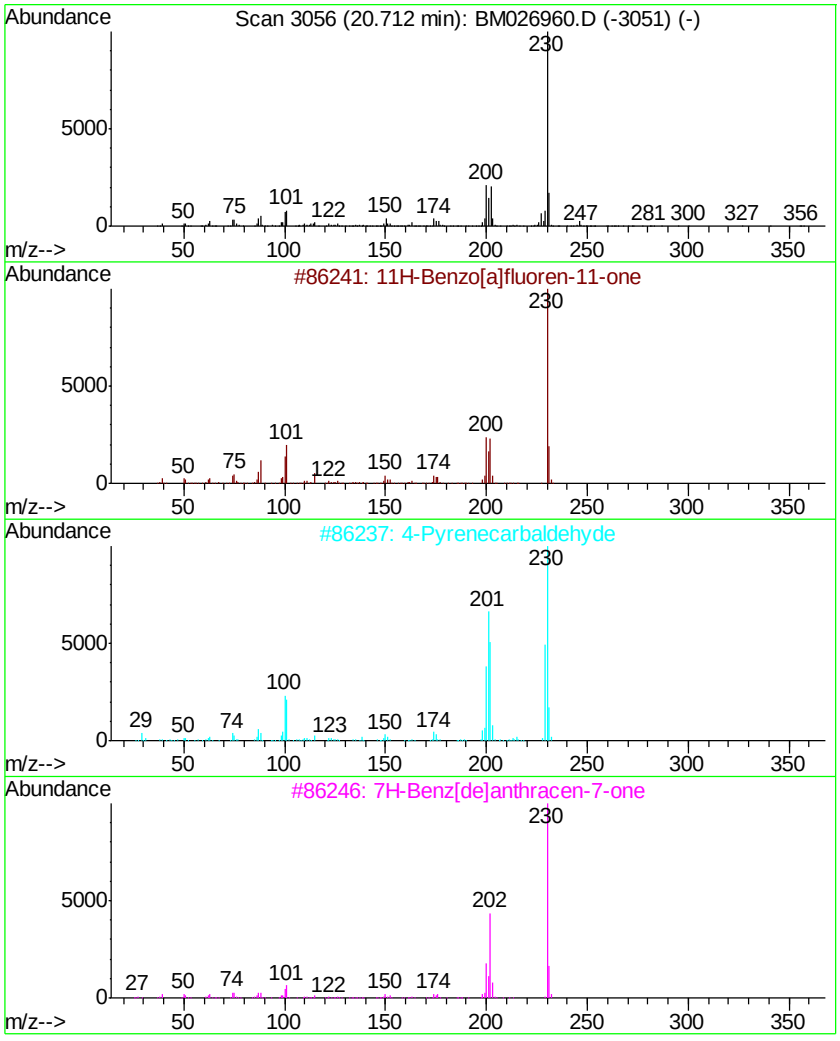
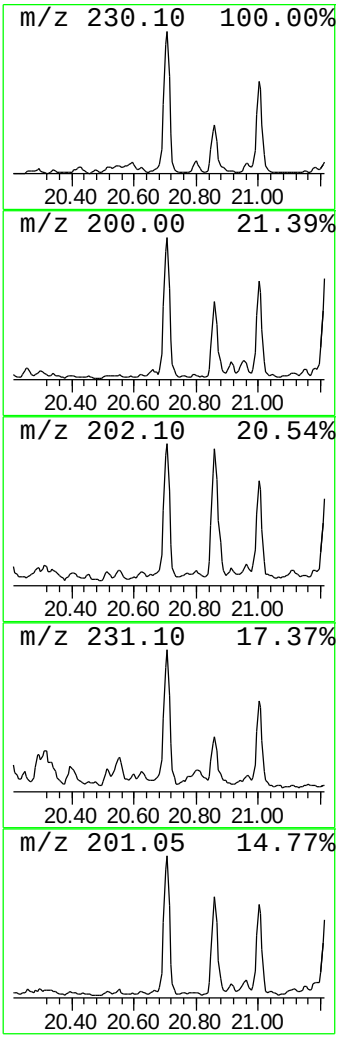
Peak Number 26 11H-Benzo[a]fluoren-11-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.71	4.07 ng/ul	1537690	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	86
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	68





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

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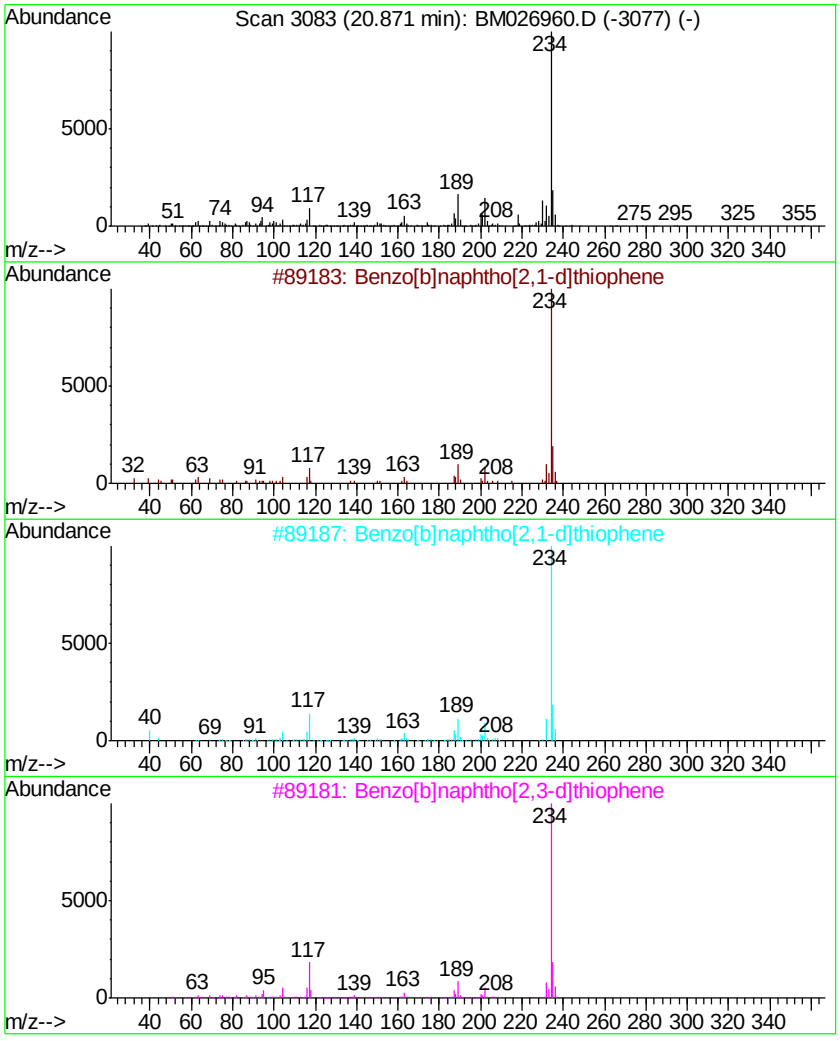
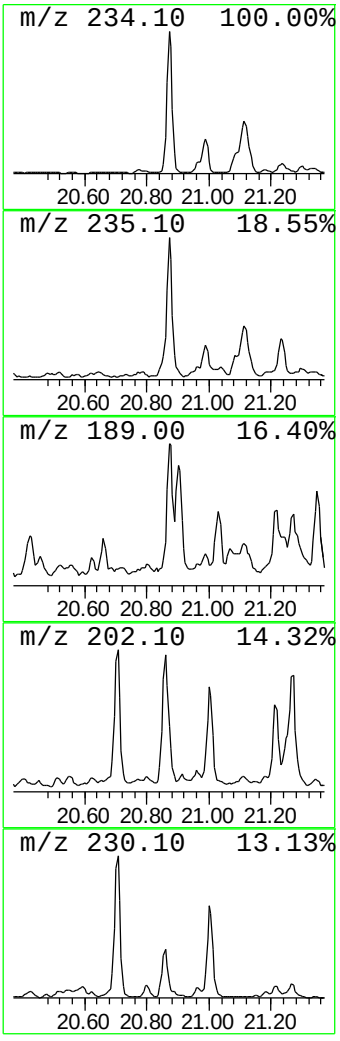
Peak Number 27 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	4.16 ng/ul	1571760	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90





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

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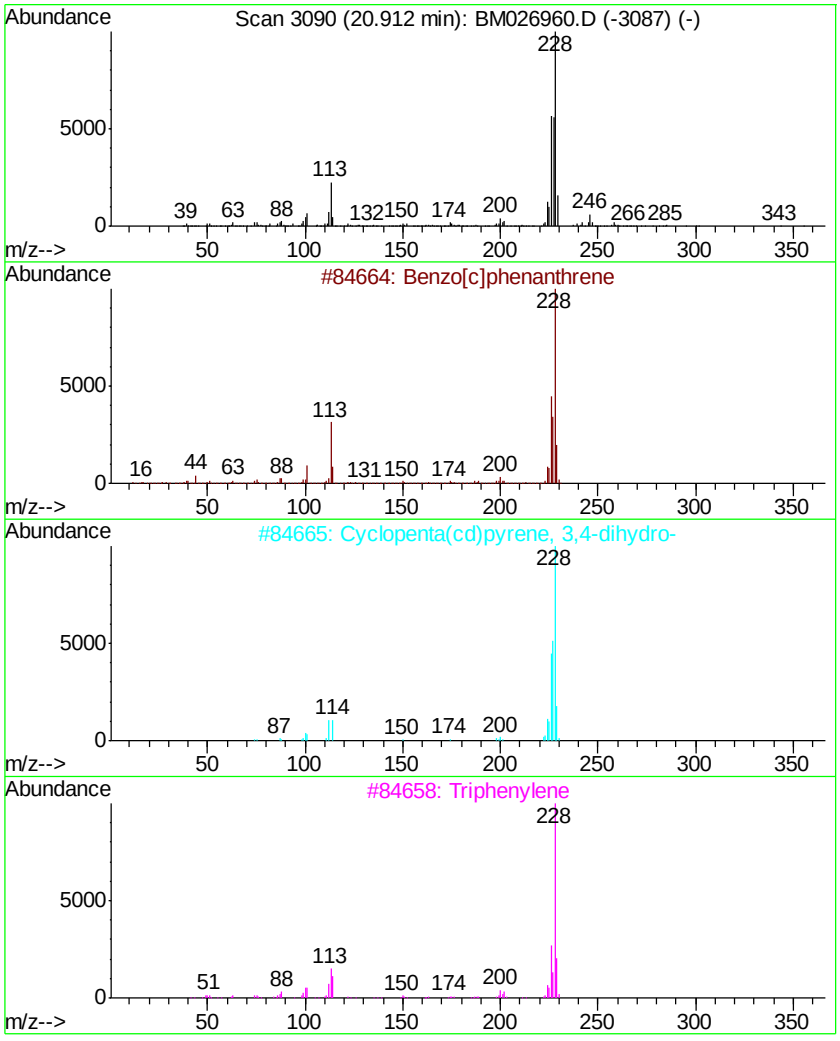
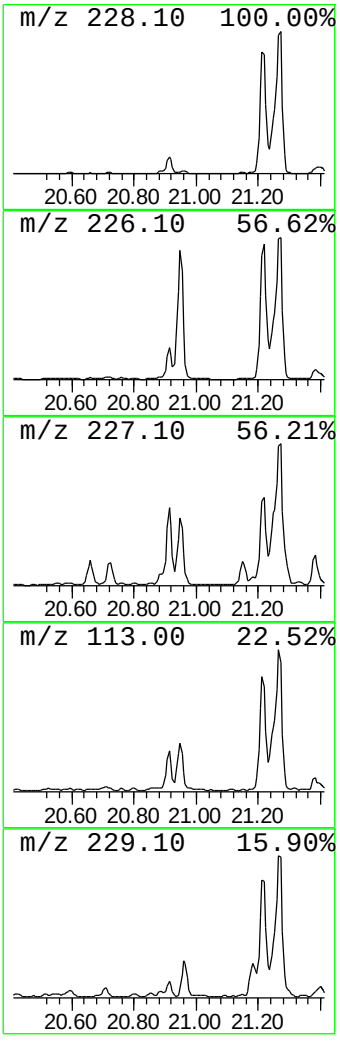
Peak Number 28 Benzo[c]phenanthrene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	2.83 ng/ul	1069370	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	50
3	Triphenylene	228	C18H12	000217-59-4	50
4	Triphenylene	228	C18H12	000217-59-4	50
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47





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Quant Title : SVOA CALIBRATION

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

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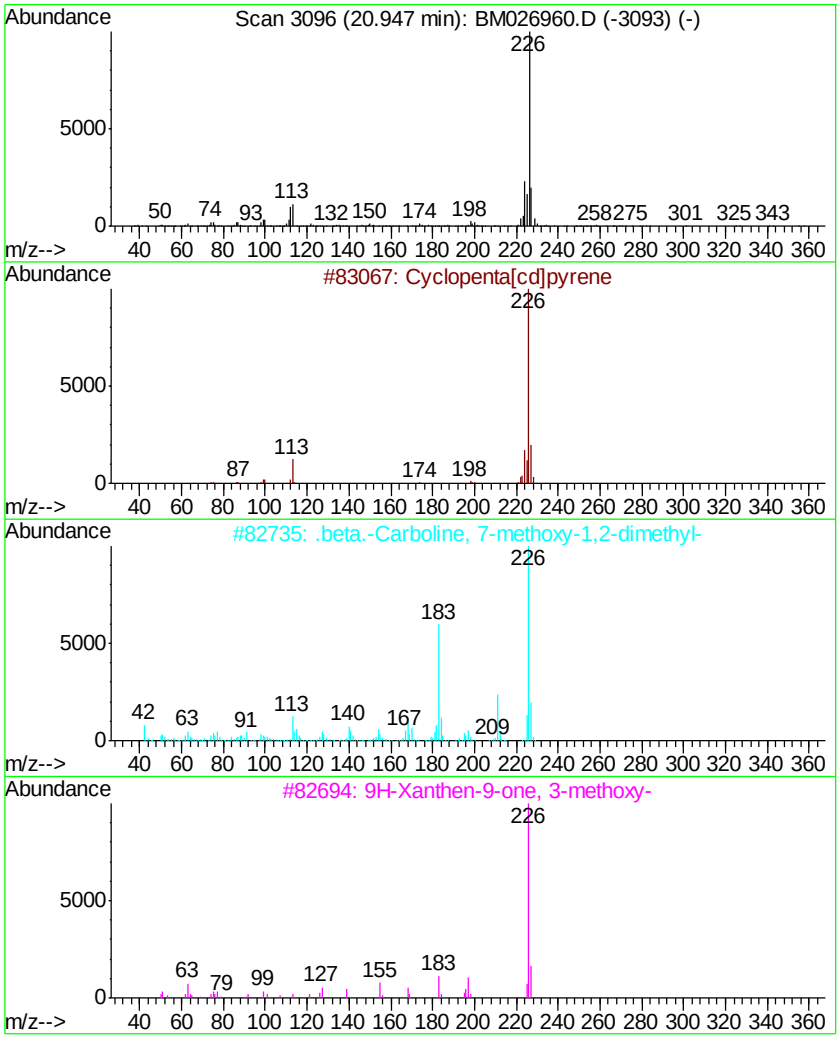
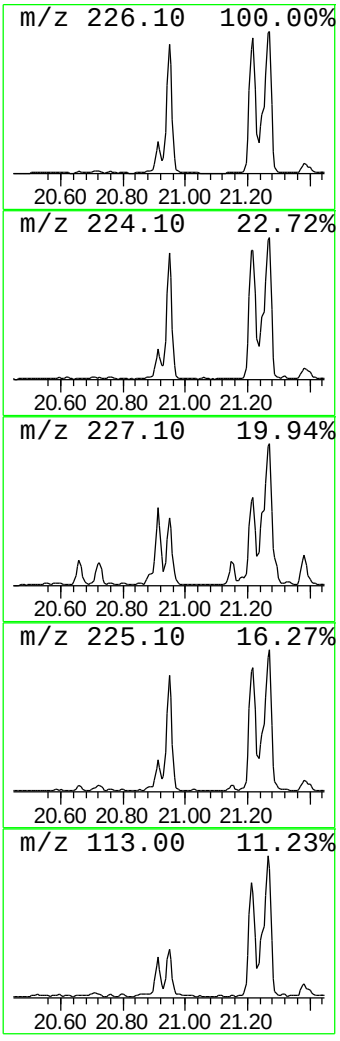
Peak Number 29 Cyclopenta[cd]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	5.13 ng/ul	1937670	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	40
4	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	38
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	33





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026960.D
Acq On : 31 Jul 2020 16:14
Operator : JU/CG
Sample : L3424-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S88

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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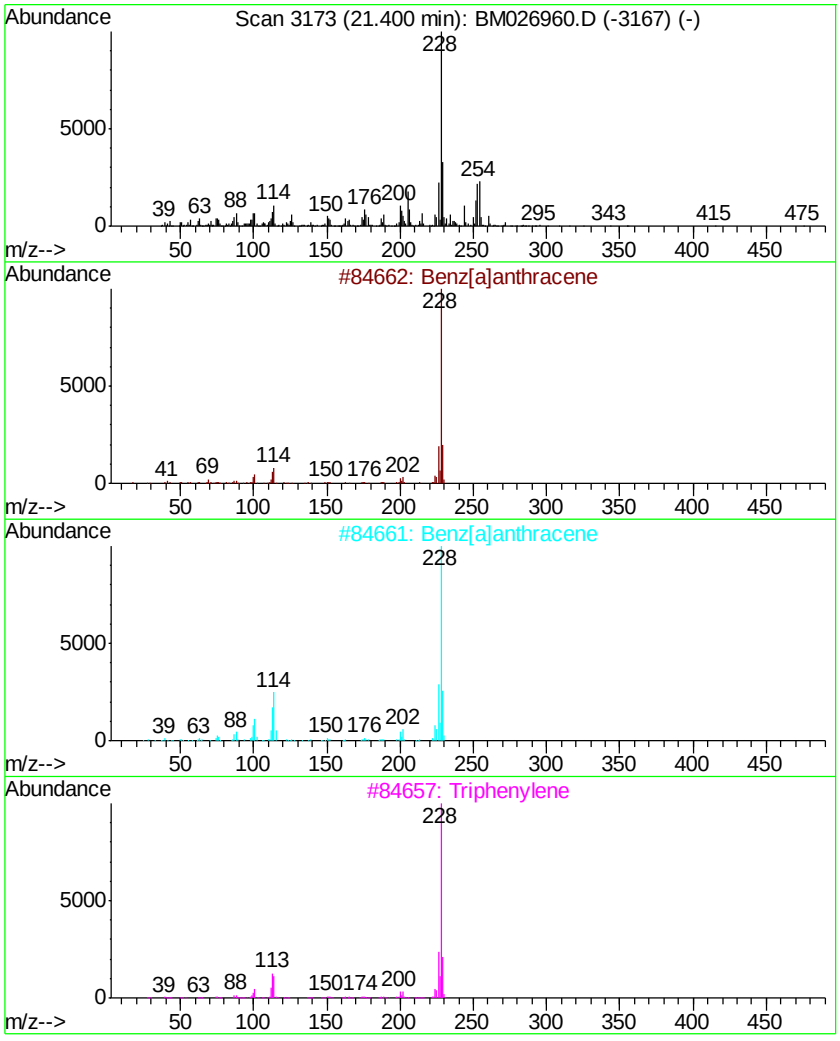
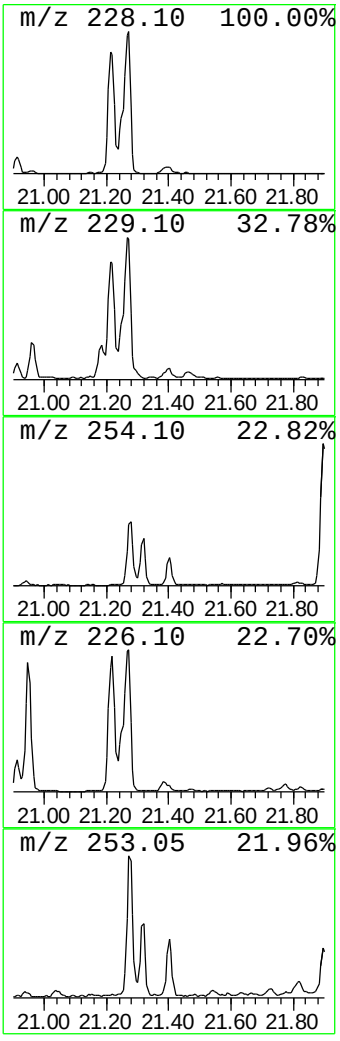
Peak Number 31 Benz[a]anthracene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	2.89 ng/ul	1090370	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene	228	C18H12	000056-55-3	55
2	Benz[a]anthracene	228	C18H12	000056-55-3	49
3	Triphenylene	228	C18H12	000217-59-4	46
4	Cycloisolongifolene, 8,9-dehydro...	228	C17H24	1000151-80-0	45
5	Triphenylene	228	C18H12	000217-59-4	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026960.D
Acq On : 31 Jul 2020 16:14
Operator : JU/CG
Sample : L3424-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S88

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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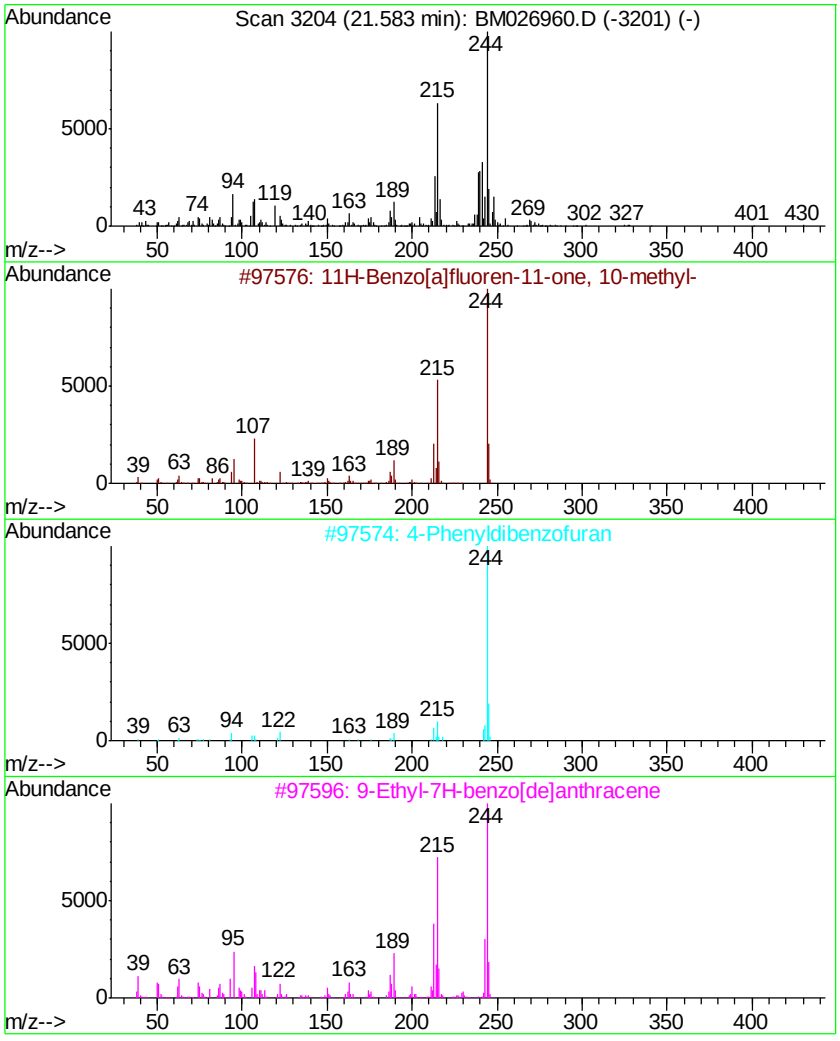
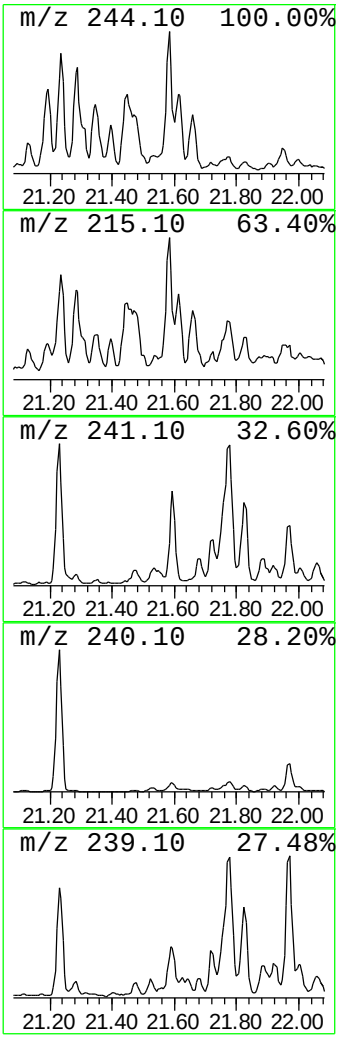
Peak Number 33 11H-Benzo[a]fluoren-11-one,... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	2.14 ng/ul	808007	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one, 10-m...	244	C18H12O	054811-45-9	93
2	4-Phenyldibenzofuran	244	C18H12O	1000314-39-5	60
3	9-Ethyl-7H-benzo[de]anthracene	244	C19H16	1000262-29-1	52
4	1-Phenyldibenzofuran	244	C18H12O	1000314-39-4	50
5	Indeno[2,1-b]oxine, 2-phenyl-	244	C18H12O	010435-67-3	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026960.D
Acq On : 31 Jul 2020 16:14
Operator : JU/CG
Sample : L3424-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S88

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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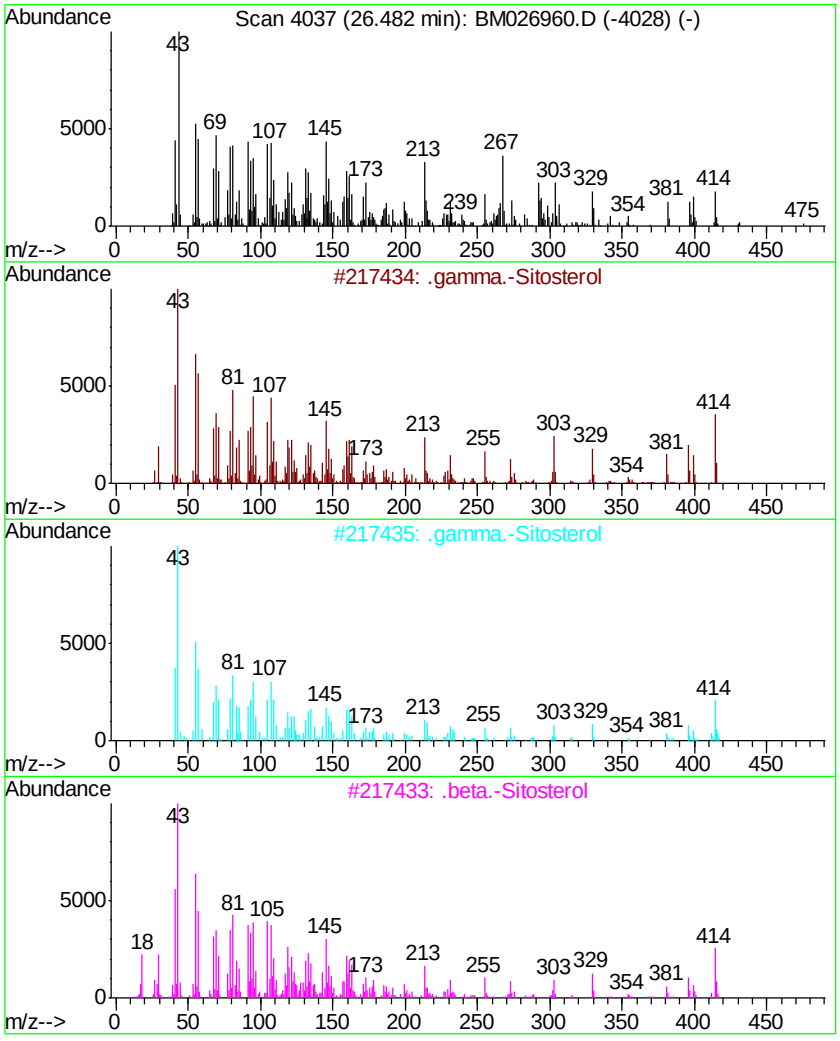
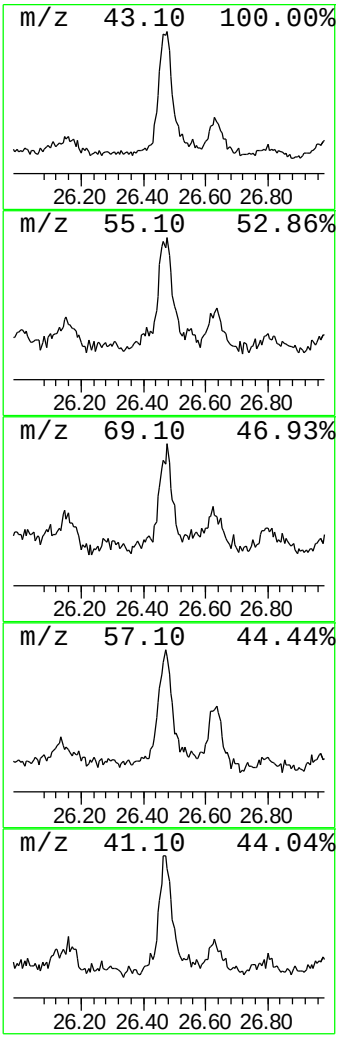
Peak Number 45 .gamma.-Sitosterol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.48	12.07 ng/ul	776428	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	93
2	.gamma.-Sitosterol	414	C29H50O	000083-47-6	78
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	64
4	.beta.-Sitosterol acetate	456	C31H52O2	000915-05-9	52
5	Campesterol	400	C28H48O	000474-62-4	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM073120\
Data File : BM026960.D
Acq On : 31 Jul 2020 16:14
Operator : JU/CG
Sample : L3424-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S88

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.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
(DEL) Alkane: Str...	2.90	6.7	ng/ul	172472	1	7.66	514611	20.0
Butane, 2-methoxy...	2.98	20.1	ng/ul	515994	1	7.66	514611	20.0
Indole	11.93	3.0	ng/ul	107101	2	10.43	713847	20.0
6H-Dibenzo[b,d]-p...	15.78	2.1	ng/ul	117058	4	17.04	1098580	20.0
1(2H)-Acenaphthyl...	16.01	2.8	ng/ul	155621	4	17.04	1098580	20.0
9H-Fluoren-9-one	16.68	4.4	ng/ul	240607	4	17.04	1098580	20.0
Benzo[h]quinoline	17.22	2.4	ng/ul	131821	4	17.04	1098580	20.0
Dibenzo[a,e]cyclo...	17.56	2.5	ng/ul	137708	4	17.04	1098580	20.0
Phenanthrene, 4-m...	17.91	3.0	ng/ul	161767	4	17.04	1098580	20.0
Phenanthrene, 2-m...	17.95	7.3	ng/ul	398855	4	17.04	1098580	20.0
Phenanthrene, 1-m...	18.04	3.8	ng/ul	206696	4	17.04	1098580	20.0
4H-Cyclopenta[def...	18.10	10.1	ng/ul	553968	4	17.04	1098580	20.0
9-Phenanthrenol	18.29	4.2	ng/ul	231917	4	17.04	1098580	20.0
Naphthalene, 2-ph...	18.41	3.3	ng/ul	179882	4	17.04	1098580	20.0
9,10-Anthracenedione	18.45	6.8	ng/ul	374320	4	17.04	1098580	20.0
Phenanthrene, 4,5...	18.67	2.5	ng/ul	135084	4	17.04	1098580	20.0
Phenanthrene, 3,6...	18.75	2.7	ng/ul	149605	4	17.04	1098580	20.0
Naphthalic anhydride	18.83	7.4	ng/ul	408591	4	17.04	1098580	20.0
Naphthalene, 1,2-...	18.90	4.6	ng/ul	254626	4	17.04	1098580	20.0
Cyclopenta(def)ph...	18.97	23.8	ng/ul	1306640	4	17.04	1098580	20.0
Pyrene, 1-methyl-	19.79	3.7	ng/ul	1410480	5	21.23	7555400	20.0
Fluoranthene, 2-m...	19.92	5.4	ng/ul	2050980	5	21.23	7555400	20.0
Pyrene, 4-methyl-	20.11	3.9	ng/ul	1484520	5	21.23	7555400	20.0
Pyrene, 2-methyl-	20.26	2.1	ng/ul	778107	5	21.23	7555400	20.0
11H-Benzo[a]fluor...	20.71	4.1	ng/ul	1537690	5	21.23	7555400	20.0
Benzo[b]naphtho[2...	20.87	4.2	ng/ul	1571760	5	21.23	7555400	20.0
Benzo[c]phenanthrene	20.91	2.8	ng/ul	1069370	5	21.23	7555400	20.0
Cyclopenta[cd]pyrene	20.95	5.1	ng/ul	1937670	5	21.23	7555400	20.0
Benz[a]anthracene	21.40	2.9	ng/ul	1090370	5	21.23	7555400	20.0
11H-Benzo[a]fluor...	21.58	2.1	ng/ul	808007	5	21.23	7555400	20.0
.gamma.-Sitosterol	26.48	12.1	ng/ul	776428	6	23.44	1286800	20.0