LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026971.D
Acq On : 31 Jul 2020 22:57
Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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	129844	219794	1.18%	0.145%
2	2.978	36	41	53	rVB	678797	862028	4.64%	0.568%
3	6.837	691	697	704	rVB	128886	209460	1.13%	0.138%
4	7.001	716	725	732	rBV	97016	155276	0.83%	0.102%
5	7.201	752	759	765	rVB	132547	209196	1.12%	0.138%
6	7.660	831	837	844	rVB	514305	801670	4.31%	0.528%
7	8.195	917	928	938	rBV	90227	186244	1.00%	0.123%
8	8.360	950	956	962	rBV	157134	238348	1.28%	0.157%
9	8.801	1015	1031	1038	rBV	124019	223645	1.20%	0.147%
10	9.519	1146	1153	1161	rBV	101709	164452	0.88%	0.108%
11	10.054	1236	1244	1253	rVB	160254	277545	1.49%	0.183%
12	10.436	1300	1309	1314	rBV	652499	1144664	6.16%	0.754%
13	10.483	1314	1317	1324	rVV	151510	229873	1.24%	0.151%
14	10.566	1324	1331	1339	rVV	90621	172152	0.93%	0.113%
15	12.101	1586	1592	1600	rVB	129486	213344	1.15%	0.141%
16	13.707	1861	1865	1869	rVV	256621	361054	1.94%	0.238%
17	13.748	1869	1872	1878	rVV2	101047	152853	0.82%	0.101%
18	13.983	1906	1912	1913	rBV	305247	393295	2.11%	0.259%
19	14.013	1913	1917	1928	rVB	952530	1478160	7.95%	0.974%
20	14.295	1957	1965	1971	rVV	953364	1446606	7.78%	0.953%
21	14.689	2027	2032	2038	rBV	241875	379667	2.04%	0.250%
22	15.289	2128	2134	2138	rBV	371989	526534	2.83%	0.347%
23	15.342	2138	2143	2149	rVV3	109030	192018	1.03%	0.127%
24	15.783	2214	2218	2227	rVV	104840	226930	1.22%	0.150%
25	16.013	2251	2257	2260	rBV2	117960	214819	1.16%	0.142%
26	16.071	2264	2267	2273	rVB	116970	152177	0.82%	0.100%
27	16.618	2356	2360	2364	rVV2	134242	181263	0.97%	0.119%
28	16.689	2367	2372	2380	rVB	234724	377880	2.03%	0.249%
29	17.036	2425	2431	2434	rVV	1113862	1580934	8.50%	1.042%
30	17.077	2434	2438	2443	rVV	1787258	2345475	12.61%	1.546%
31	17.136	2443	2448	2449	rVV	376238	516170	2.78%	0.340%
32	17.165	2449	2453	2459	rVV	1676151	2550464	13.71%	1.681%
33	17.224	2459	2463	2469	rVB3	103430	194014	1.04%	0.128%
34	17.436	2490	2499	2503	rBV	338313	597552	3.21%	0.394%

LSC Area Percent Report

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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

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Peak separation: 5

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

35	17.559	2517	2520	2525	rBV3	109428	159173	0.86%	0.105%
36	17.736	2547	2550	2558	rVB3	94028	167611	0.90%	0.110%
37	17.912	2575	2580	2583	rVV	247066	354608	1.91%	0.234%
38	17.954	2583	2587	2596	rVV	662425	931166	5.01%	0.614%
39	18.036	2597	2601	2606	rVV	252952	367350	1.98%	0.242%
40	18.101	2607	2612	2616	rVV2	361286	717287	3.86%	0.473%
41	18.142	2616	2619	2624	rVB	225255	310324	1.67%	0.205%
42	18.301	2642	2646	2652	rVB2	110956	170581	0.92%	0.112%
43	18.412	2662	2665	2668	rBV	201073	241659	1.30%	0.159%
44	18.448	2668	2671	2678	rVB	422081	566059	3.04%	0.373%
45	18.836	2732	2737	2742	rBV2	347472	549450	2.95%	0.362%
46	18.912	2742	2750	2756	rBV5	443612	936048	5.03%	0.617%
47	18.971	2756	2760	2768	rVB	772731	1114508	5.99%	0.734%
48	19.048	2770	2773	2776	rBV	159910	230309	1.24%	0.152%
49	19.106	2776	2783	2788	rBV	8457990	11691518	62.87%	7.705%
50	19.242	2802	2806	2811	rBV2	473298	703755	3.78%	0.464%
51	19.295	2812	2815	2819	rVV4	190448	356760	1.92%	0.235%
52	19.342	2820	2823	2834	rVV3	225942	444002	2.39%	0.293%
53	19.436	2834	2839	2840	rVV	1530564	2050707	11.03%	1.351%
54	19.465	2840	2844	2851	rVV	8356547	10793857	58.04%	7.113%
55	19.536	2851	2856	2863	rVB2	303600	586333	3.15%	0.386%
56	19.642	2870	2874	2879	rBV	447170	586307	3.15%	0.386%
57	19.701	2879	2884	2890	rVB2	407814	679245	3.65%	0.448%
58	19.801	2893	2901	2905	rBV2	679198	1543748	8.30%	1.017%
59	19.924	2917	2922	2932	rVB6	744577	2247784	12.09%	1.481%
60	20.012	2933	2937	2939	rBV2	152624	222640	1.20%	0.147%
61	20.053	2941	2944	2948	rVB3	232348	304649	1.64%	0.201%
62	20.118	2948	2955	2959	rBV2	1003358	1720686	9.25%	1.134%
63	20.153	2959	2961	2965	rVB3	272297	321787	1.73%	0.212%
64	20.200	2966	2969	2974	rVV2	189945	303330	1.63%	0.200%
65	20.259	2975	2979	2982	rVV	627962	857179	4.61%	0.565%
66	20.306	2982	2987	2994	rVV3	513405	1313430	7.06%	0.866%
67	20.365	2994	2997	3001	rVB2	300869	373452	2.01%	0.246%
68	20.512	3019	3022	3026	rBV3	281742	454613	2.44%	0.300%
69	20.624	3038	3041	3044	rBV3	186645	191681	1.03%	0.126%
70	20.706	3051	3055	3062	rVB	1659786	2194300	11.80%	1.446%
71	20.871	3077	3083	3087	rBV2	990110	1981581	10.66%	1.306%

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Misc :
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Instrument : BNA_M
ClientSampleId : C0S91

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
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Title : SVOA CALIBRATION

72	20.912	3087	3090	3093	rVV	976544	1154447	6.21%	0.761%
73	20.947	3093	3096	3101	rVV2	1240371	2045301	11.00%	1.348%
74	21.000	3102	3105	3114	rVB2	1040849	1441535	7.75%	0.950%
75	21.212	3133	3141	3146	rBV2	5298154	9971065	53.62%	6.571%
76	21.265	3147	3150	3157	rVB	5743158	7870164	42.32%	5.187%
77	21.347	3161	3164	3167	rVB2	287558	315694	1.70%	0.208%
78	21.400	3167	3173	3176	rBV3	619075	1147047	6.17%	0.756%
79	21.530	3191	3195	3200	rBV3	711480	1131246	6.08%	0.746%
80	21.583	3201	3204	3208	rVB3	411373	577227	3.10%	0.380%
81	21.718	3224	3227	3230	rBV	357151	515142	2.77%	0.339%
82	21.771	3233	3236	3240	rVV2	1062046	1427737	7.68%	0.941%
83	21.830	3241	3246	3251	rVB2	1210106	1909452	10.27%	1.258%
84	21.894	3254	3257	3264	rVB2	421351	690174	3.71%	0.455%
85	21.965	3265	3269	3272	rBV3	570315	859473	4.62%	0.566%
86	22.071	3283	3287	3295	rVB2	450905	704903	3.79%	0.465%
87	22.236	3312	3315	3320	rVB	410350	560273	3.01%	0.369%
88	22.524	3359	3364	3376	rVB3	603272	1727224	9.29%	1.138%
89	22.794	3402	3410	3415	rBV2	7999329	18596726	100.00%	12.256%
90	22.953	3432	3437	3444	rBV	1090733	1751711	9.42%	1.154%
91	23.083	3454	3459	3469	rBV	535302	1317946	7.09%	0.869%
92	23.259	3483	3489	3495	rVV	3644820	6333362	34.06%	4.174%
93	23.353	3499	3505	3511	rVB	3232534	5285439	28.42%	3.483%
94	23.441	3515	3520	3524	rVV2	790595	1537497	8.27%	1.013%
95	23.494	3525	3529	3536	rVB2	788744	1805234	9.71%	1.190%
96	24.983	3777	3782	3788	rBV2	312987	642891	3.46%	0.424%
97	25.130	3803	3807	3815	rVB4	475449	1114452	5.99%	0.734%
98	25.424	3852	3857	3865	rVB2	689921	1646924	8.86%	1.085%
99	25.671	3889	3899	3908	rVB	2811662	7896379	42.46%	5.204%
100	26.335	4004	4012	4023	rVB	604571	1849478	9.95%	1.219%

Sum of corrected areas: 151741176

LSC Report - Integrated Chromatogram

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Acq On : 31 Jul 2020 22:57
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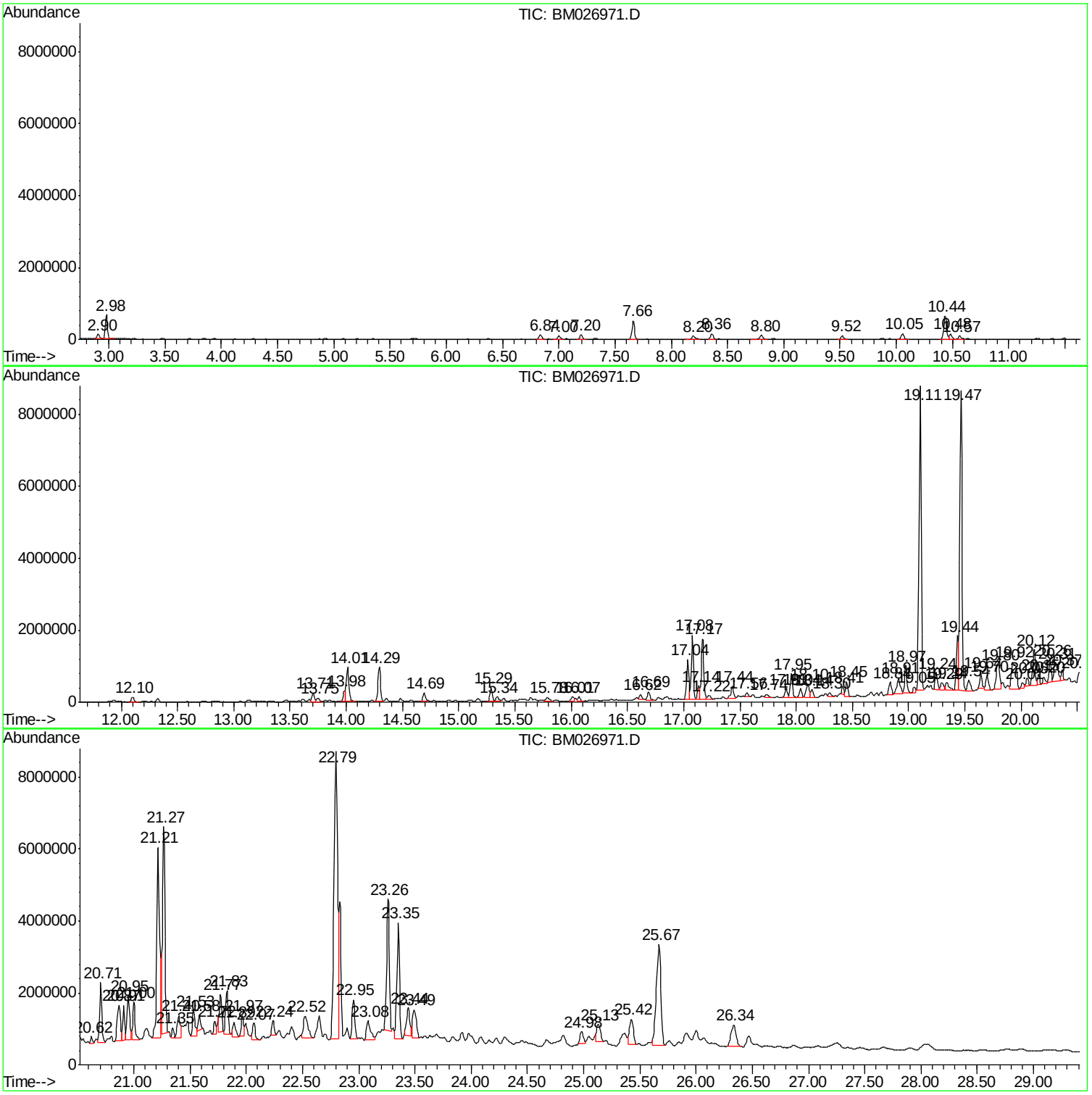
Sample : L3424-16 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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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Instrument : BNA_M
ClientSampleId : C0S91

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

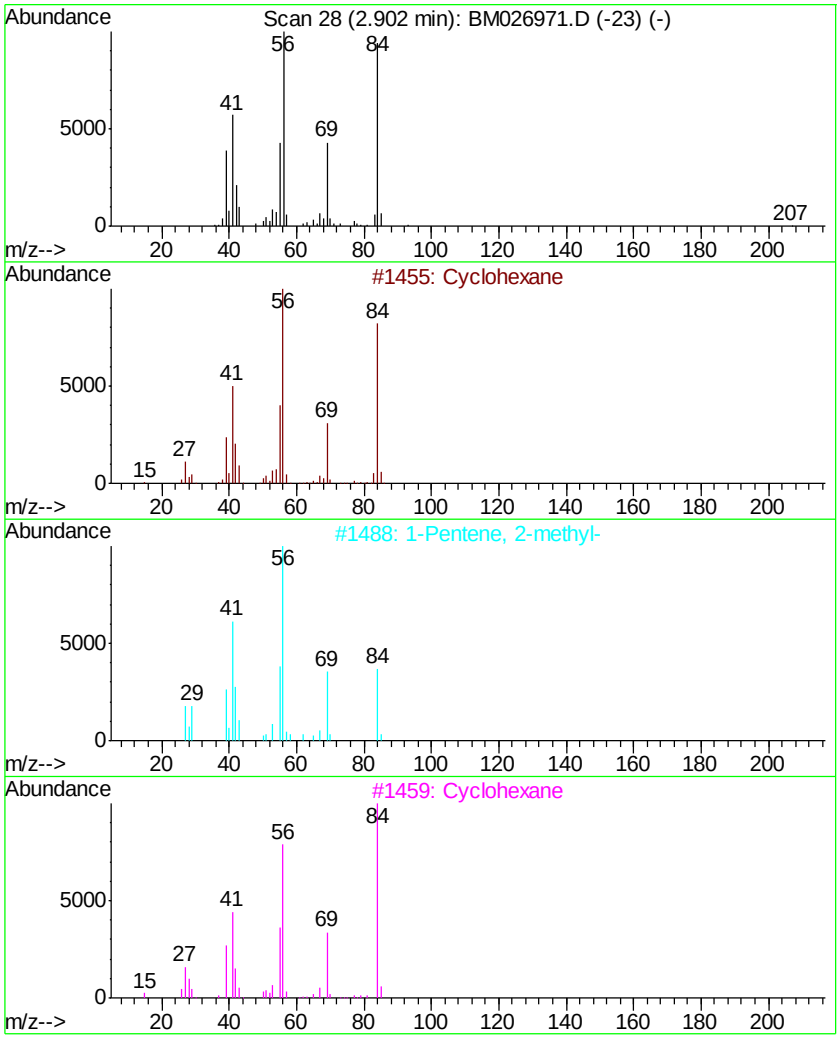
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

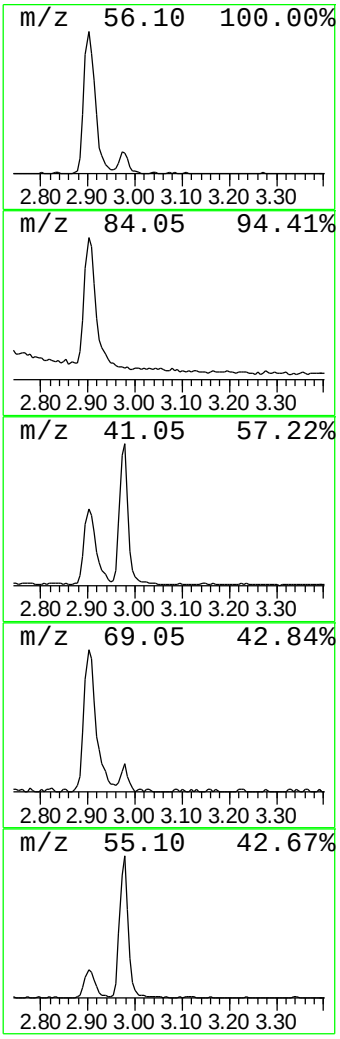
****

Peak Number 1 (DEL) Alkane: Cyclic2.90 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.90	5.48 ng/ul	219794	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	94
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	81
3	Cyclohexane	84	C6H12	000110-82-7	81
4	Cyclohexane	84	C6H12	000110-82-7	74
5	Cyclohexane	84	C6H12	000110-82-7	74





Library Search Compound Report

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ClientSampleId : C0S91

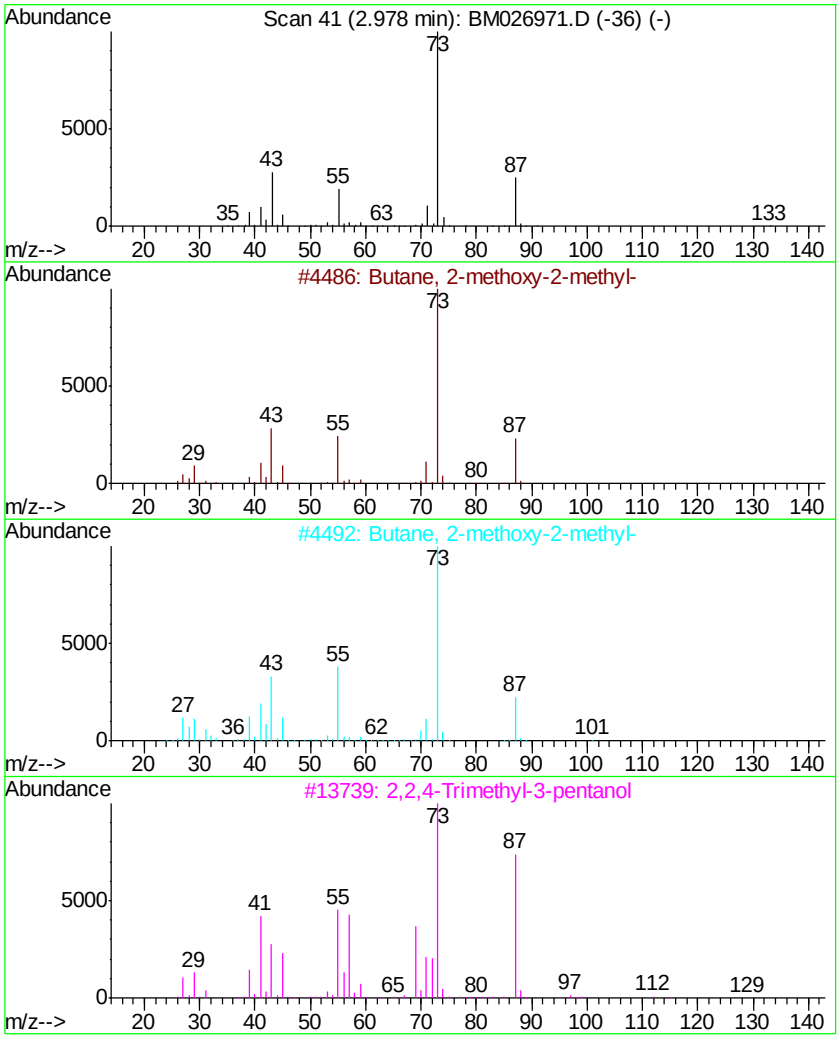
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

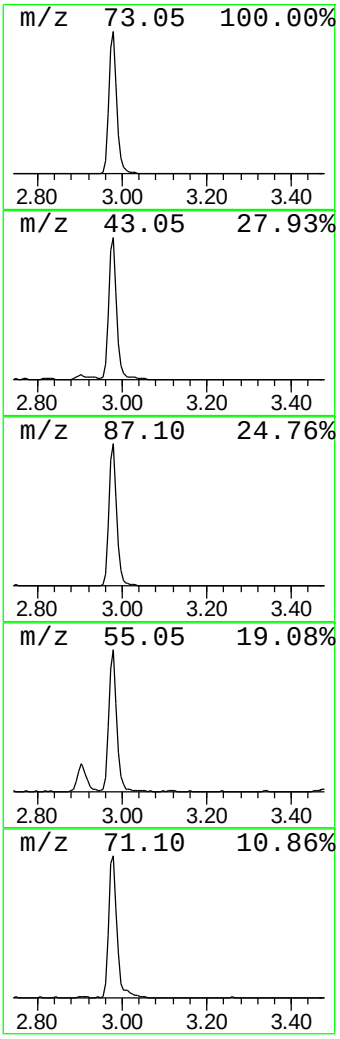
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	21.51 ng/ul	862028	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	40
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	16





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Quant Title : SVOA CALIBRATION

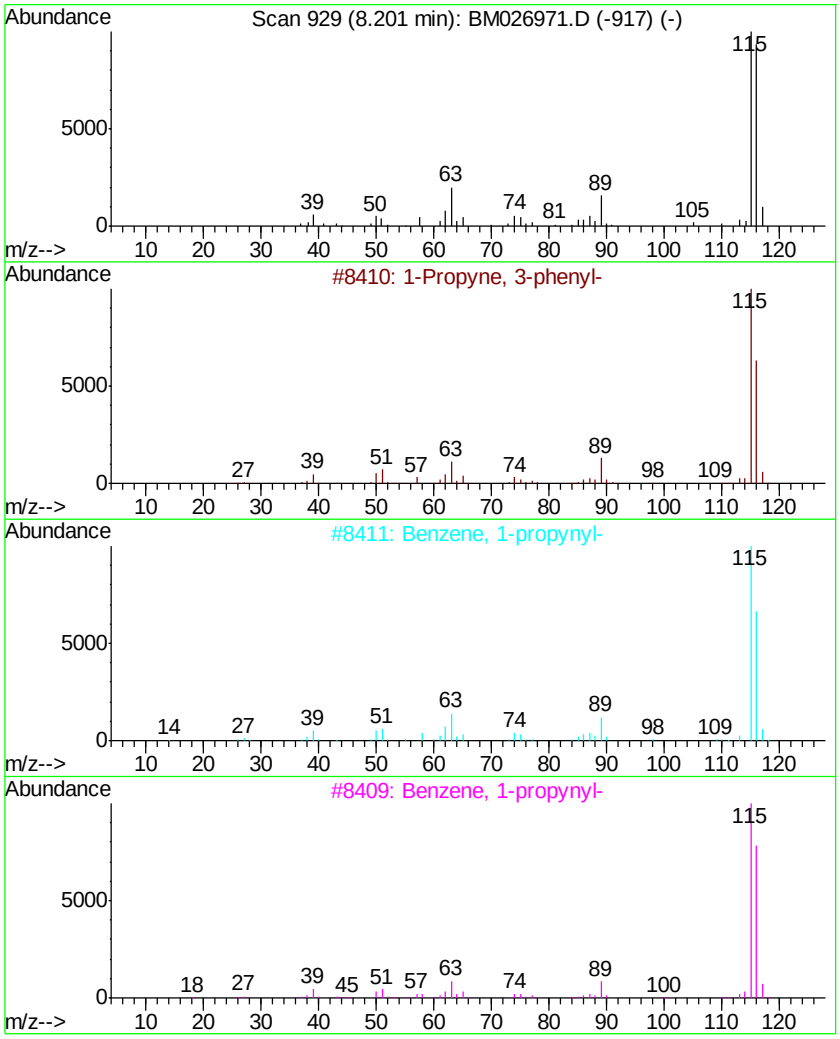
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

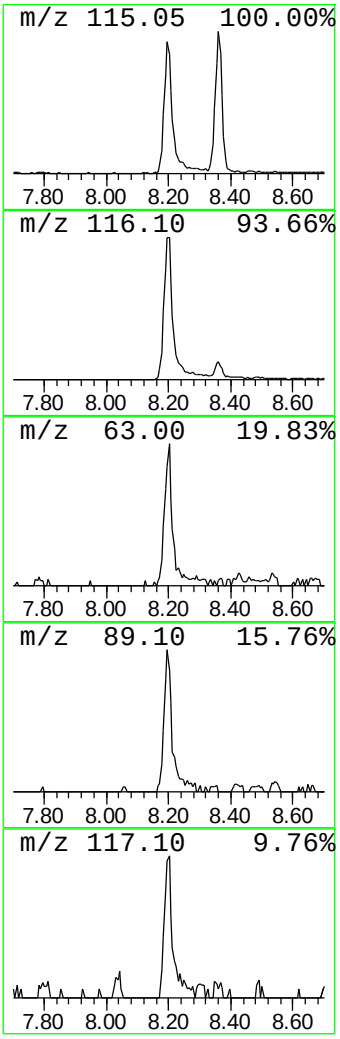
****

Peak Number 3 1-Propyne, 3-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	4.65 ng/ul	186244	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	97
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Indene	116	C9H8	000095-13-6	91





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : C0S91

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

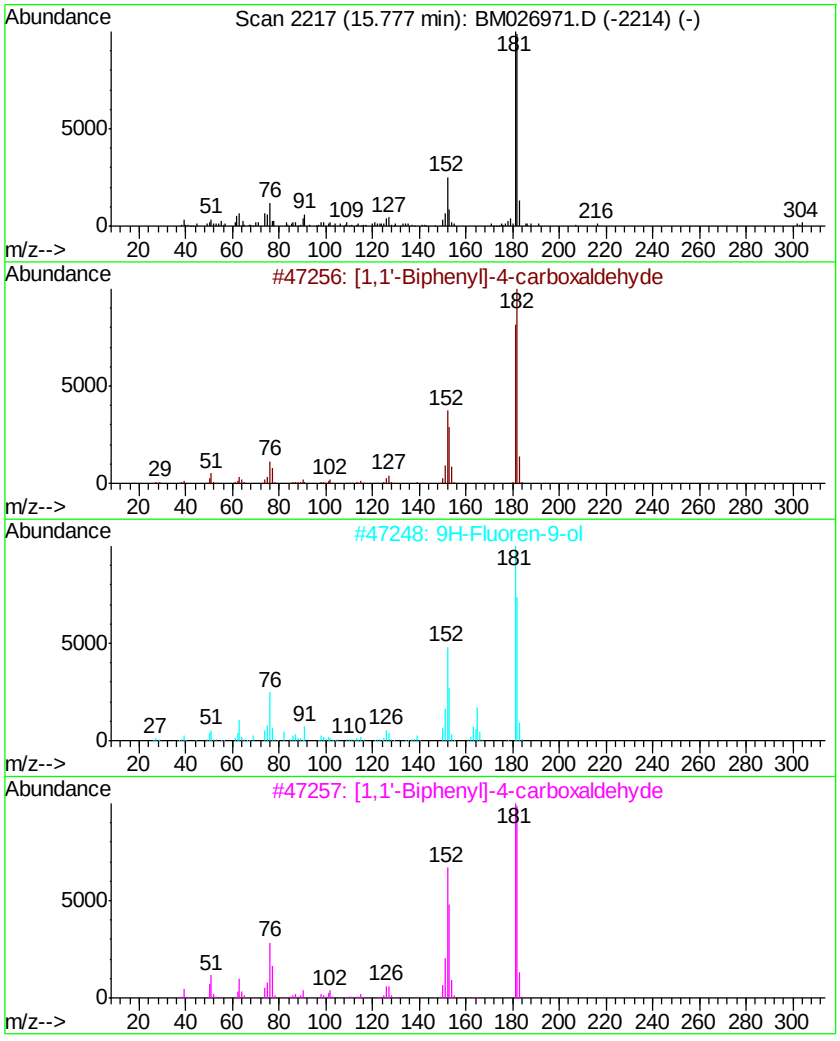
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

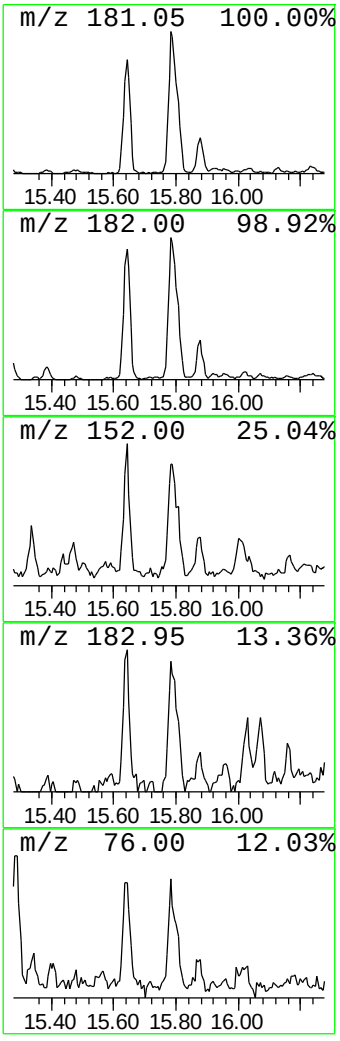
****

Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	2.87 ng/ul	226930	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Instrument : BNA_M
ClientSampleId : C0S91

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

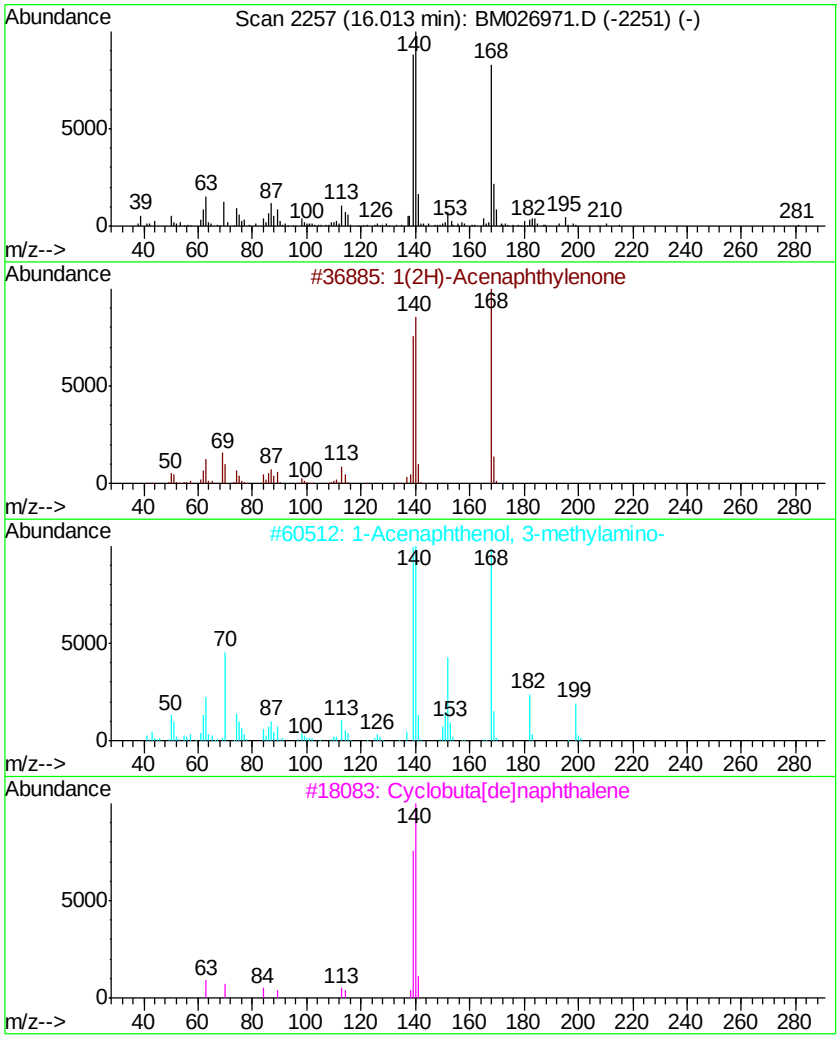
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

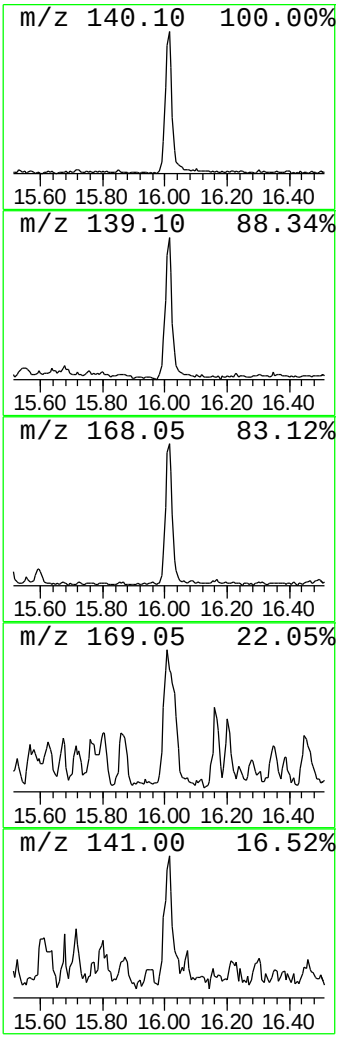
****

Peak Number 5 1(2H)-Acenaphthylenone Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	2.72 ng/ul	214819	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	95
2	1-Acenaphthenol, 3-methylamino-	199	C13H13NO	1000129-22-6	64
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	47
4	7(4H)-Benzothiazolone, 2-amino-5...	168	C7H8N2OS	017583-10-7	47
5	Benzaldehyde, 4-fluoro-3-hydroxy-	140	C7H5FO2	103438-85-3	43





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Operator : JU/CG
Sample : L3424-16 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0S91

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Quant Title : SVOA CALIBRATION

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

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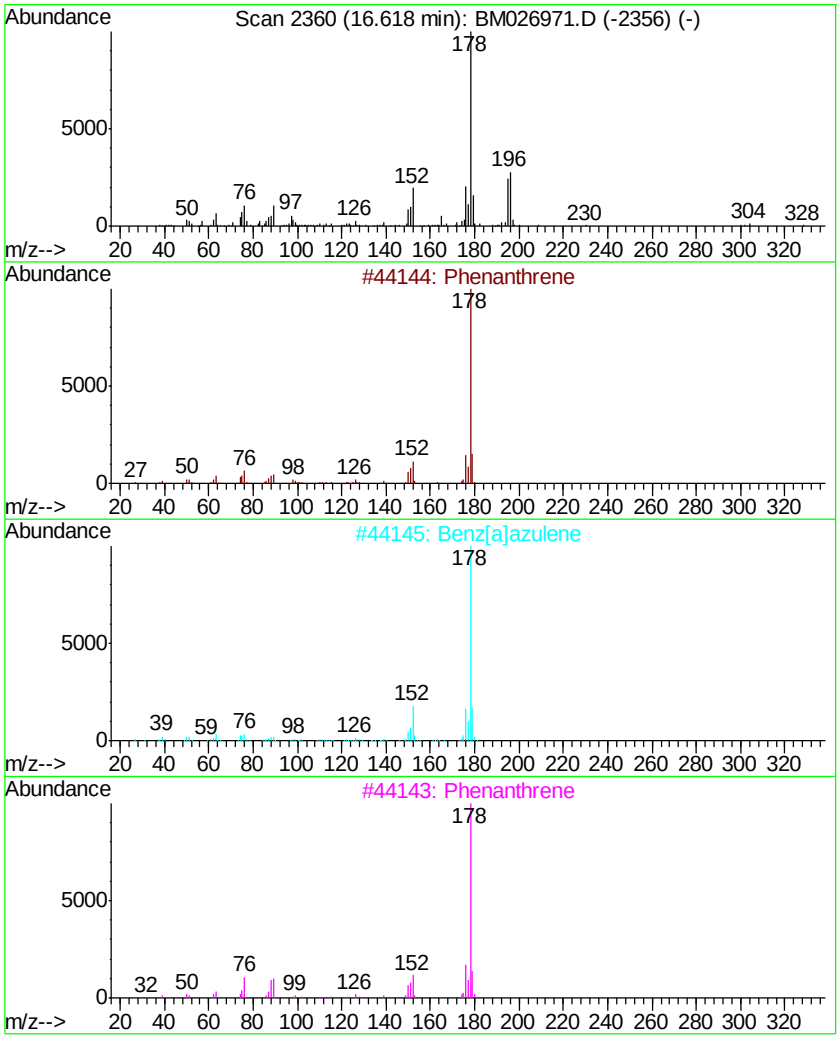
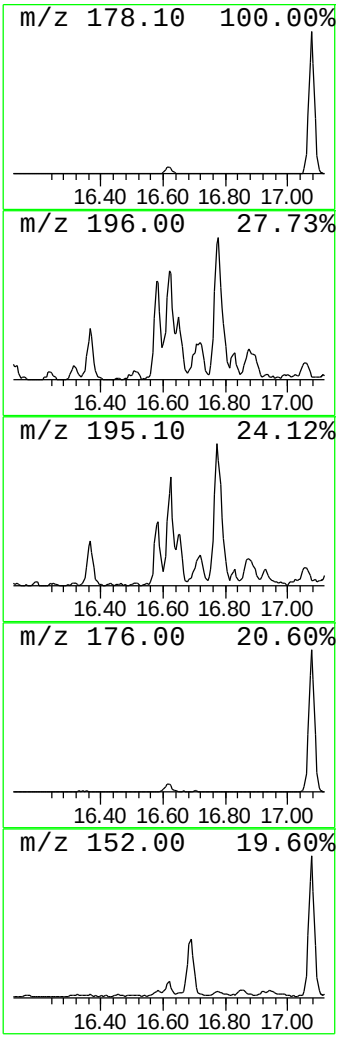
Peak Number 6 Benz[a]azulene Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	2.29 ng/ul	181263	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene	178	C14H10	000085-01-8	92
2	Benz[a]azulene	178	C14H10	000246-02-6	86
3	Phenanthrene	178	C14H10	000085-01-8	83
4	Anthracene	178	C14H10	000120-12-7	83
5	Phenanthrene	178	C14H10	000085-01-8	78





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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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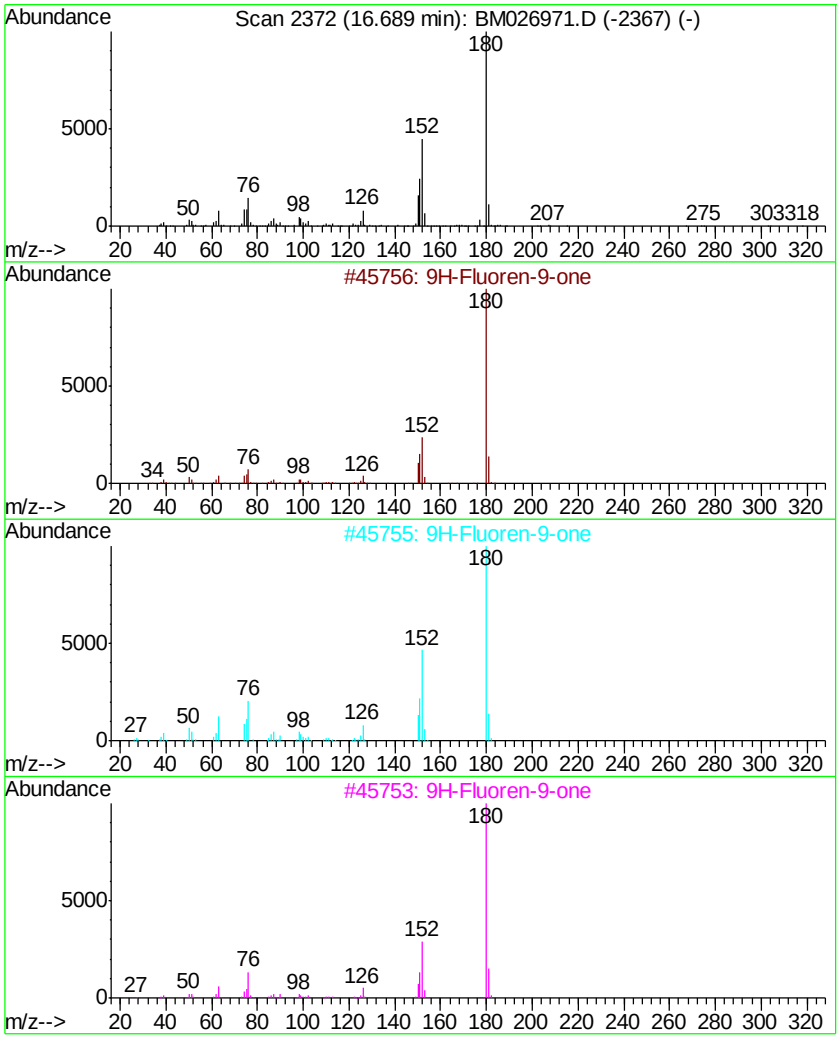
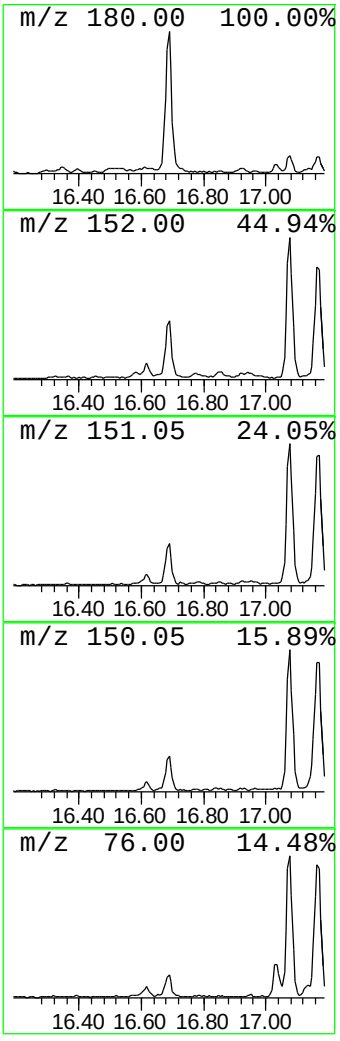
Peak Number 7 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	4.78 ng/ul	377880	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	87
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87





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Quant Title : SVOA CALIBRATION

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

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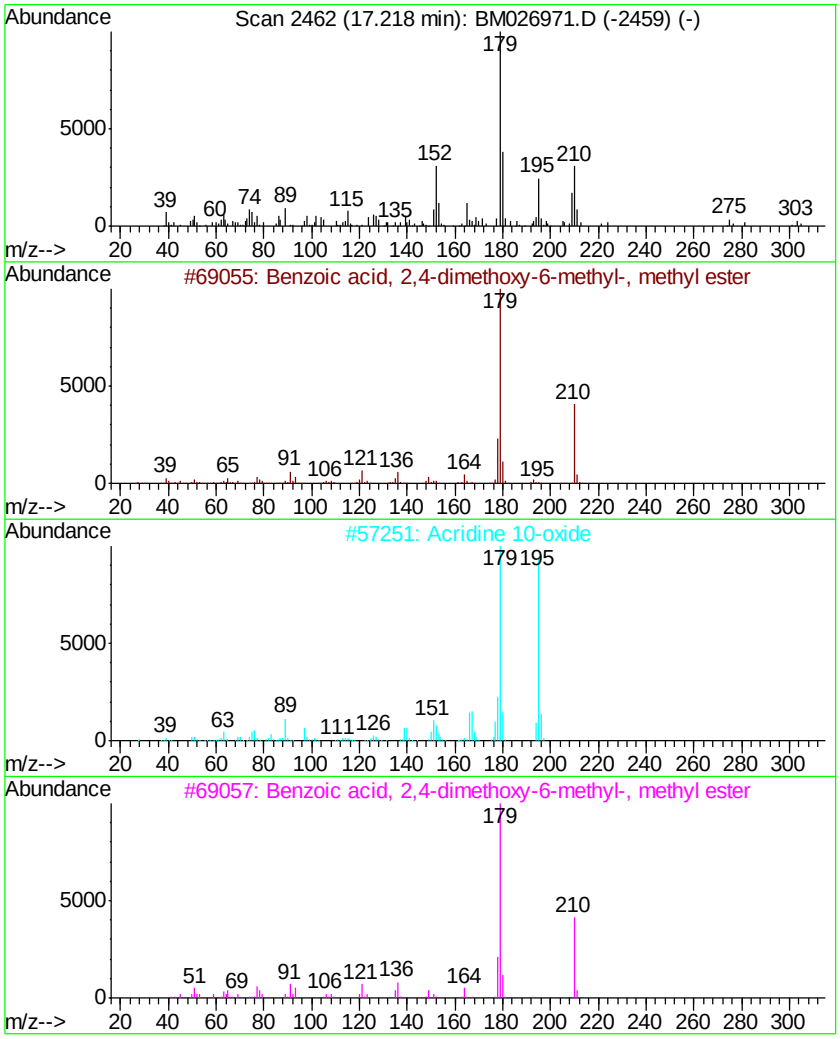
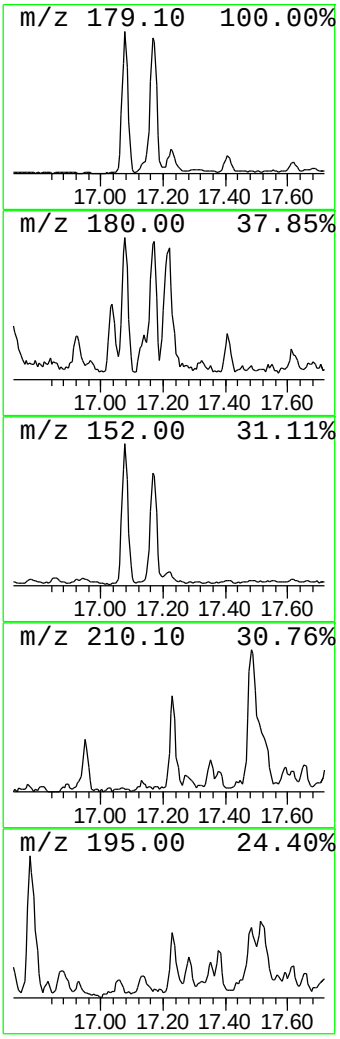
Peak Number 8 Benzoic acid, 2,4-dimethoxy... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	2.45 ng/ul	194014	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,4-dimethoxy-6-me...	210	C11H14O4	006110-37-8	50
2	Acridine 10-oxide	195	C13H9NO	010399-73-2	40
3	Benzoic acid, 2,4-dimethoxy-6-me...	210	C11H14O4	006110-37-8	40
4	Anthracene, 9-ethyl-9,10-dihydro-	208	C16H16	000605-82-3	38
5	Benzo[g]isoquinoline	179	C13H9N	000260-32-2	35





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Sample : L3424-16 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0S91

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Quant Title : SVOA CALIBRATION

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

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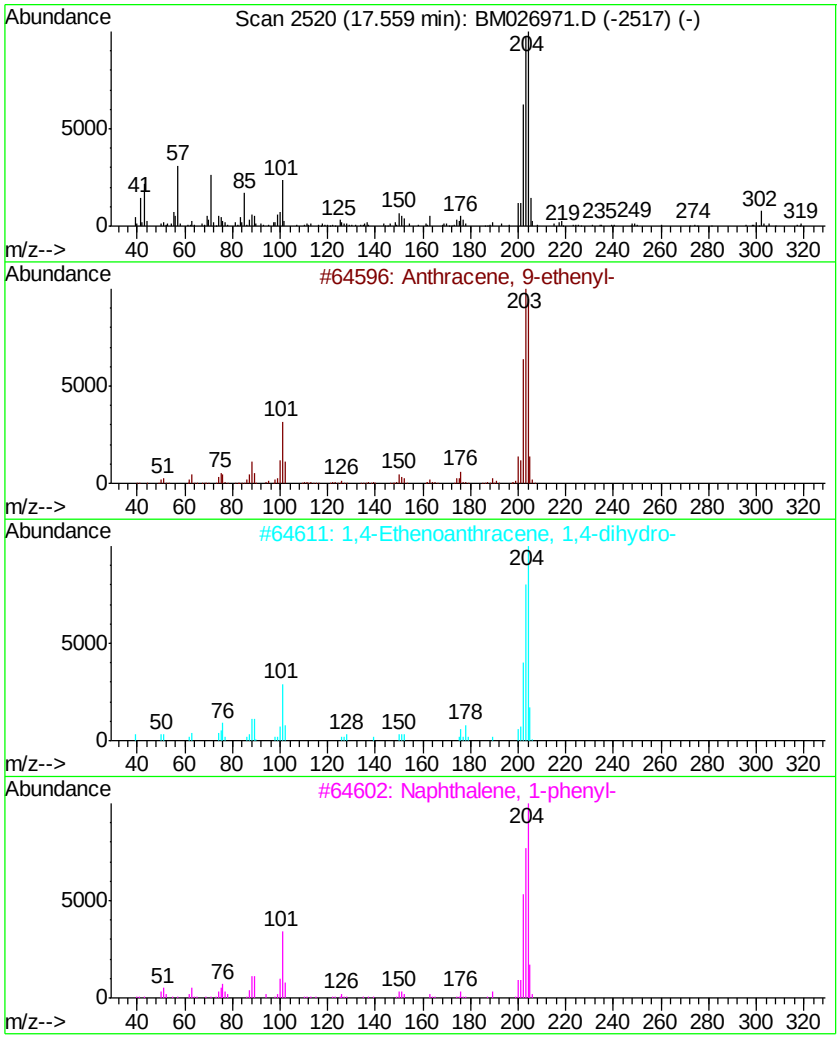
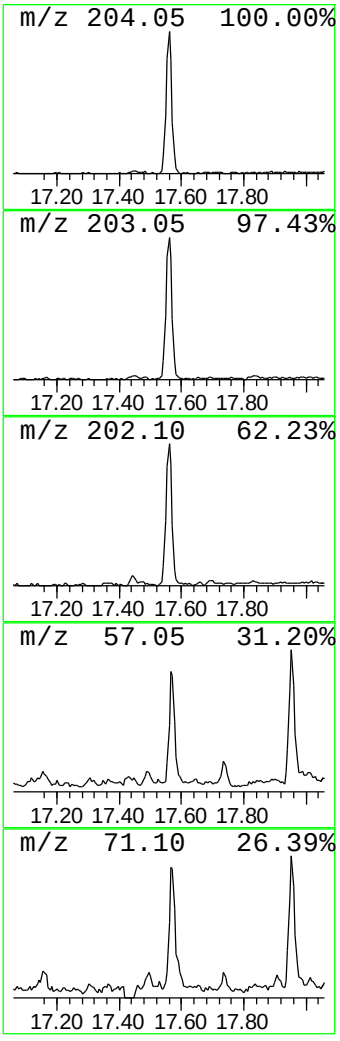
Peak Number 9 Anthracene, 9-ethenyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	2.01 ng/ul	159173	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	86
2	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	70





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Quant Title : SVOA CALIBRATION

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

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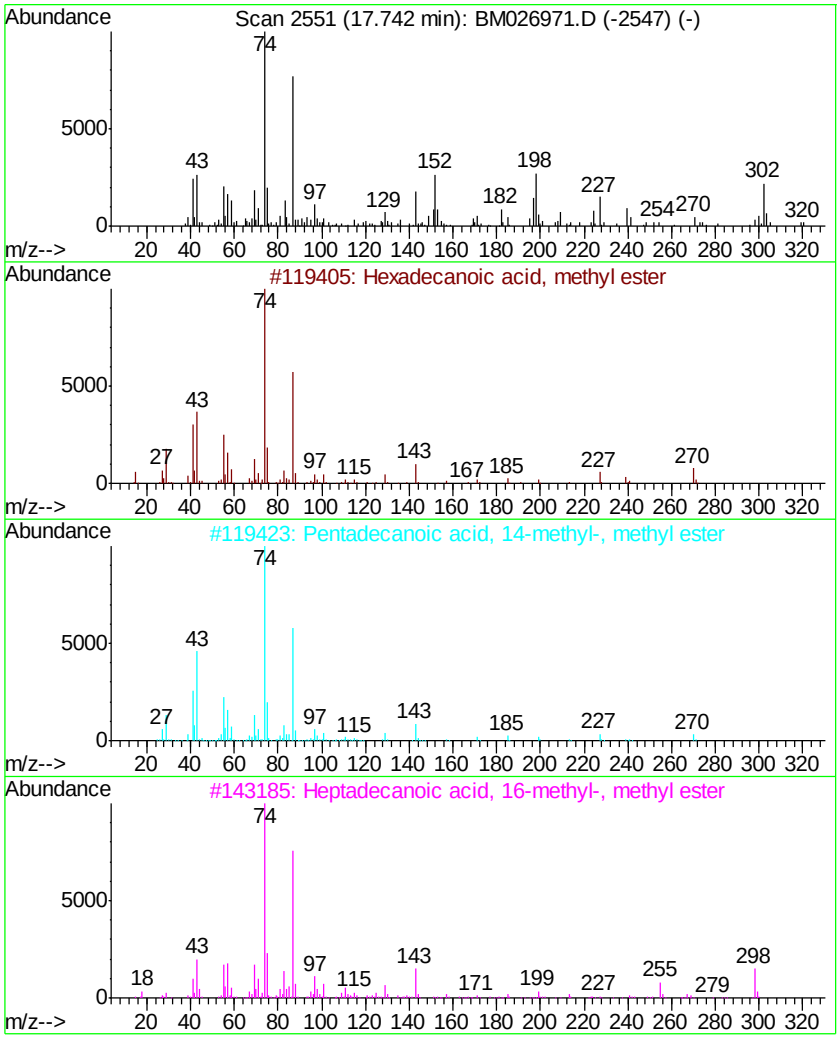
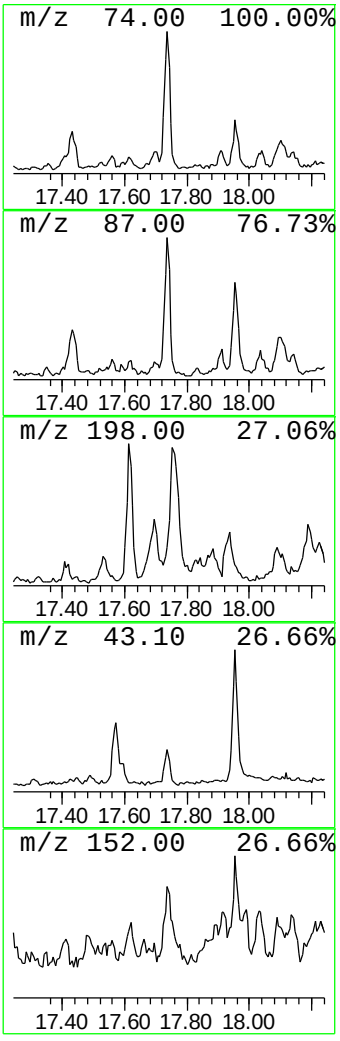
Peak Number 10 Hexadecanoic acid, methyl e... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	2.12 ng/ul	167611	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	94
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	89
3	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	89
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	89
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	89





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Sample : L3424-16 5X
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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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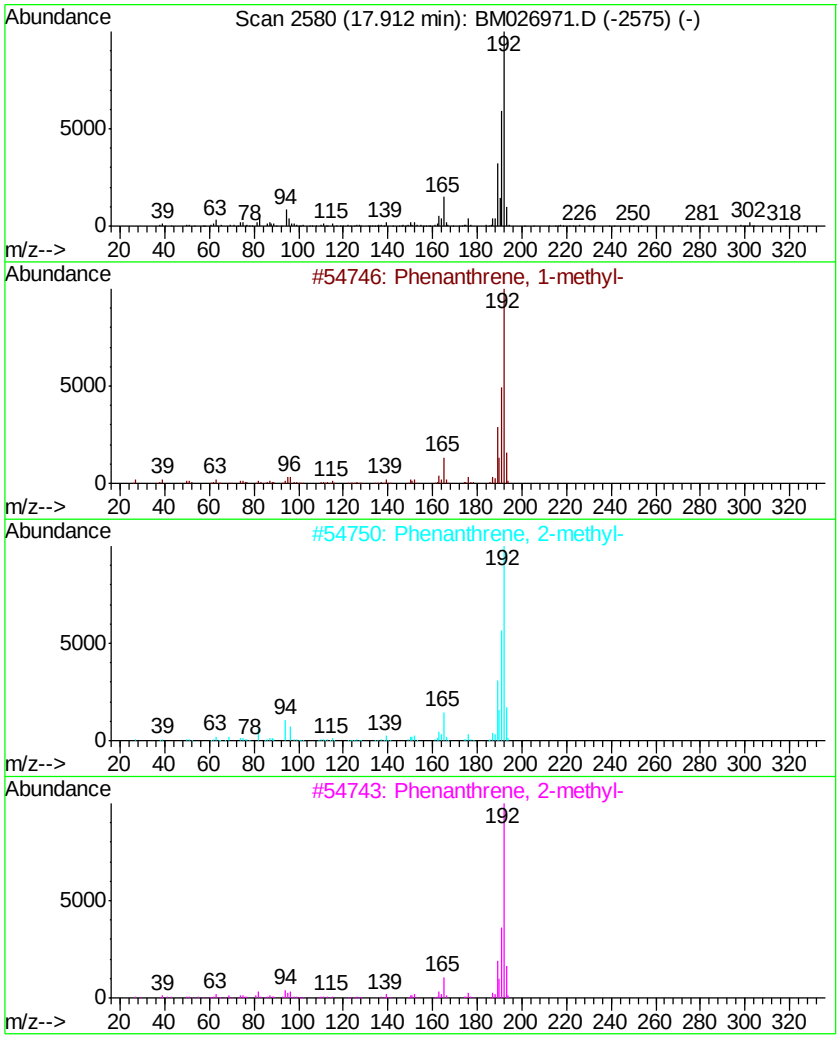
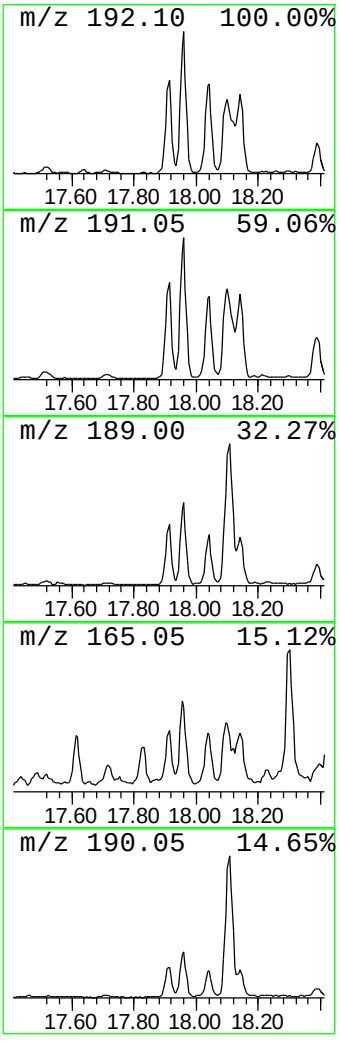
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	4.49 ng/ul	354608	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81





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Sample : L3424-16 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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Quant Title : SVOA CALIBRATION

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

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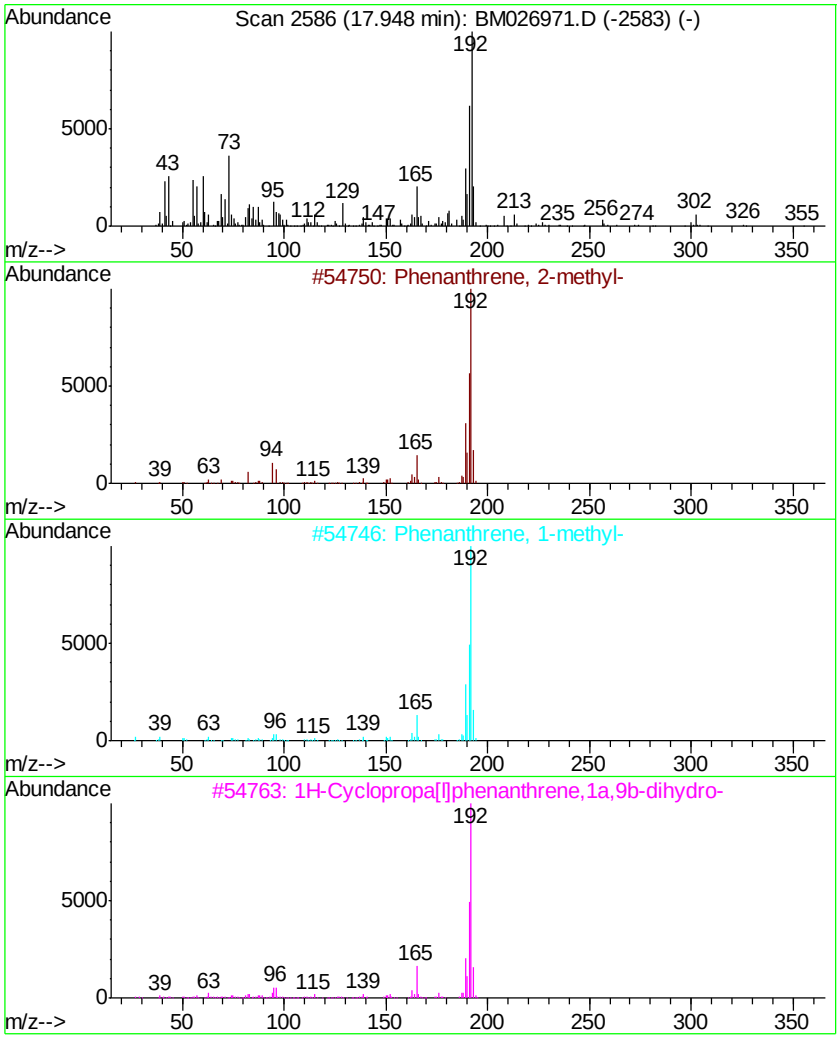
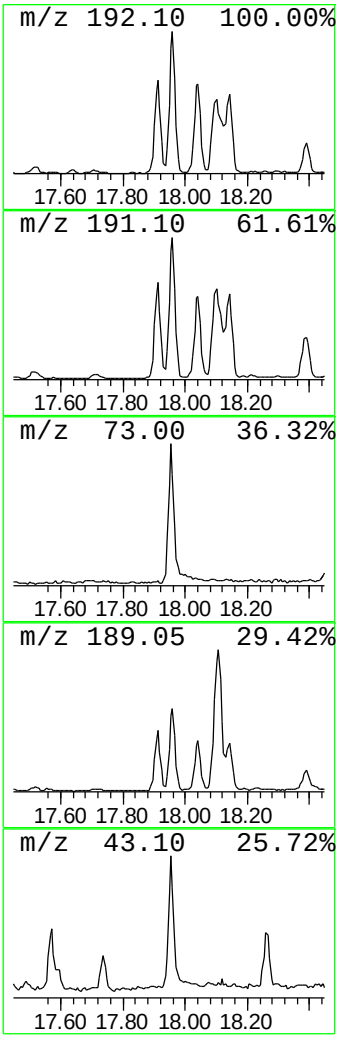
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	11.78 ng/ul	931166	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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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 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	4.65 ng/ul	367350	Phenanthrene-d10	17.04

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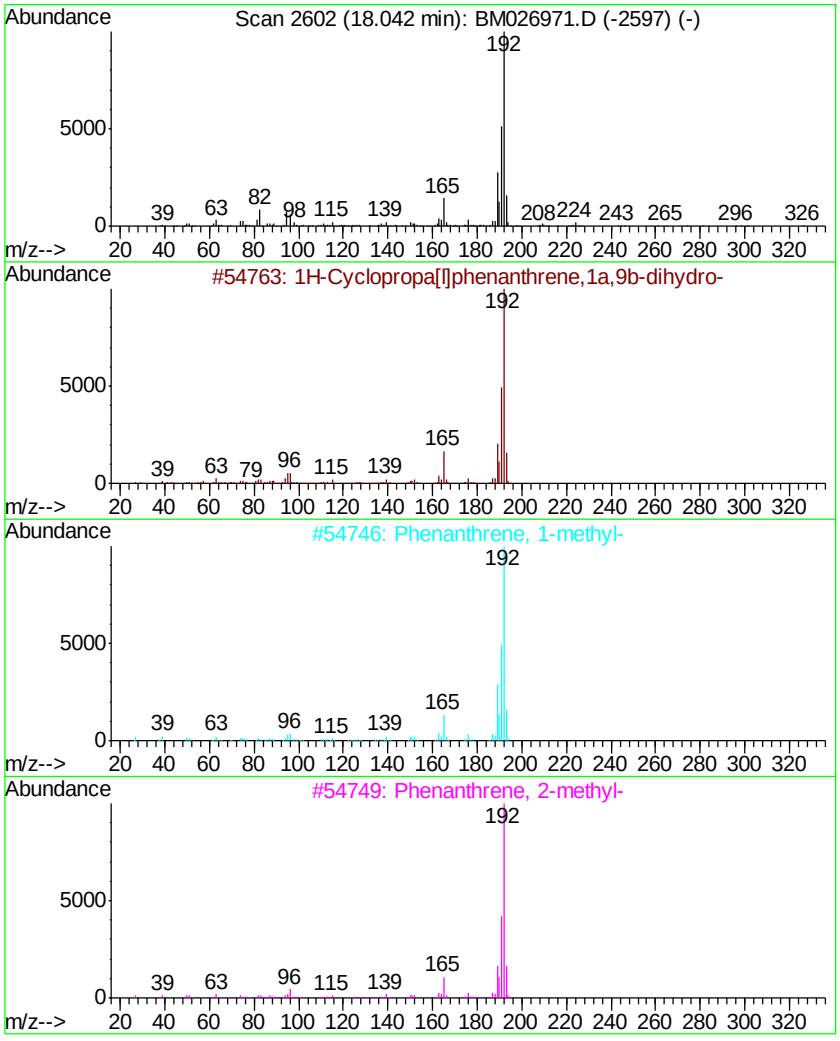

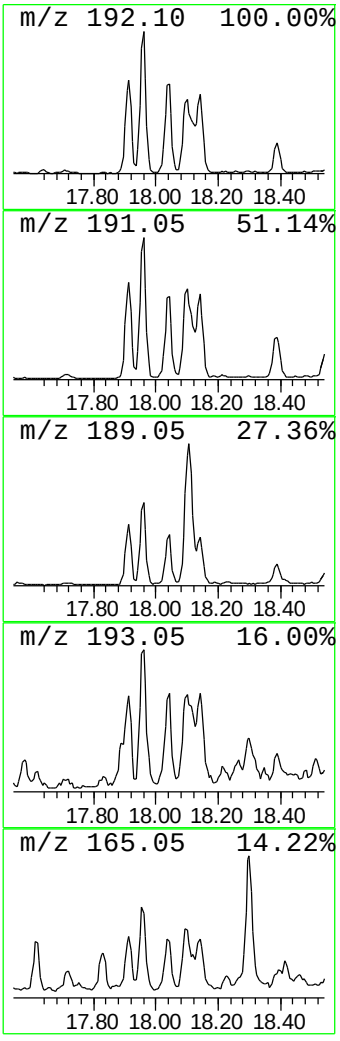

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Quant Title : SVOA CALIBRATION

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

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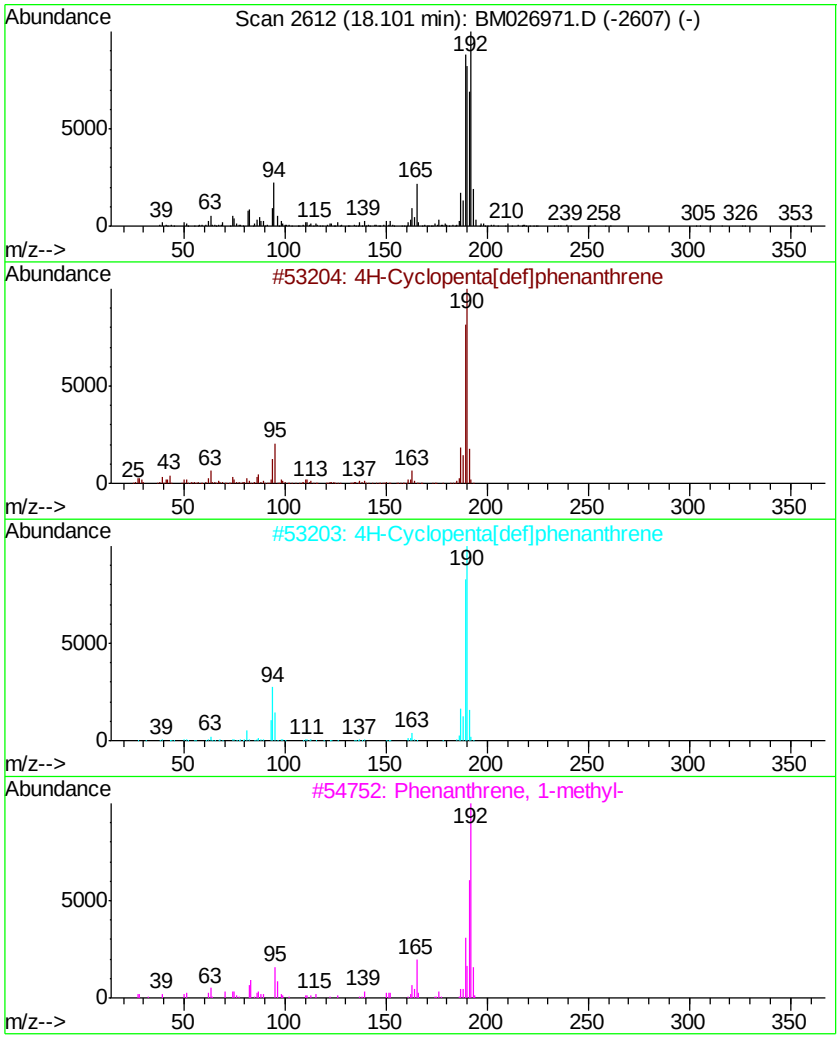
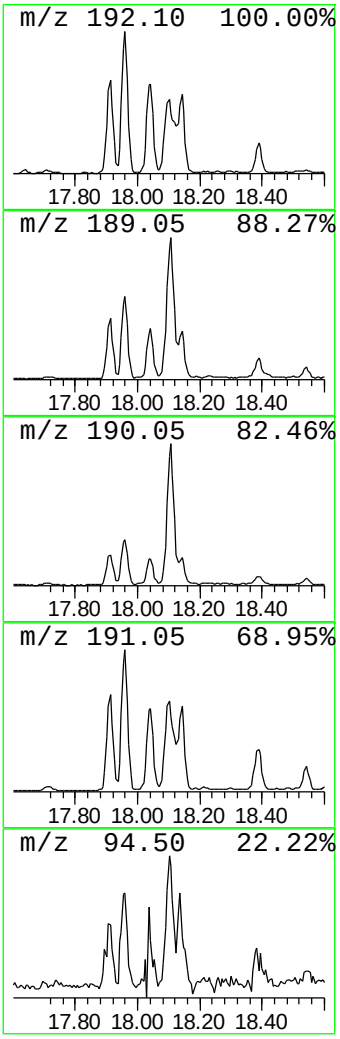
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	9.07 ng/ul	717287	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	43





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Quant Title : SVOA CALIBRATION

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

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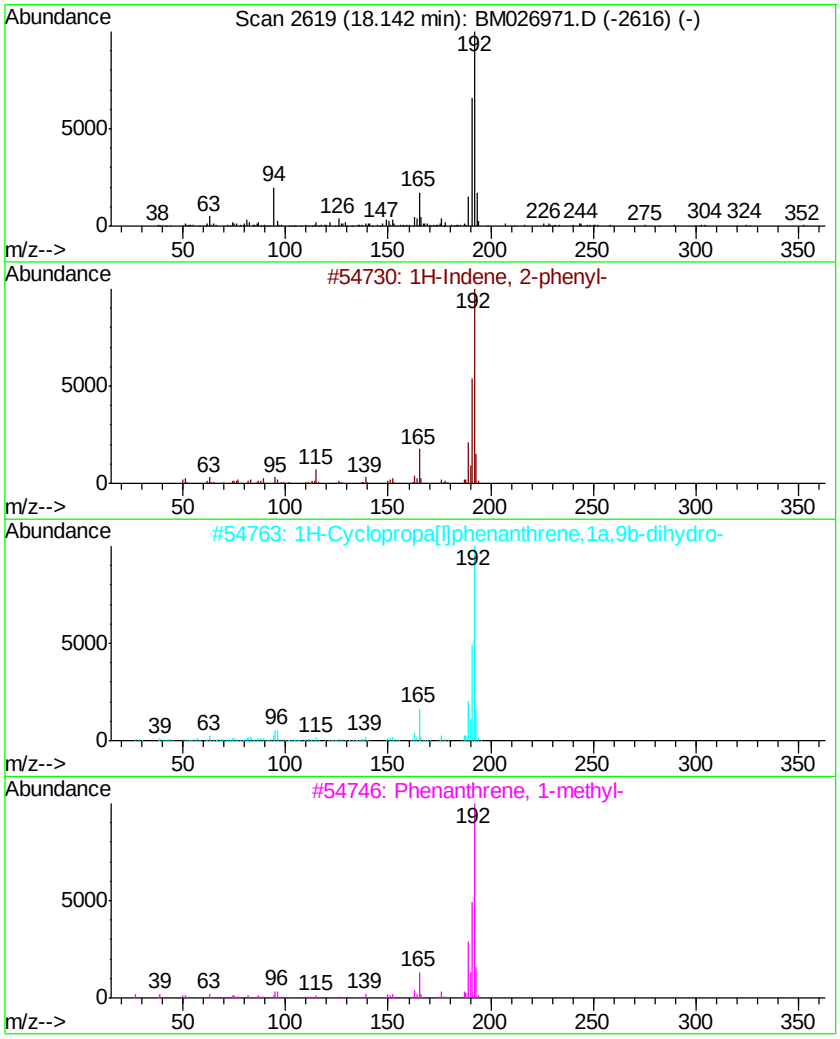
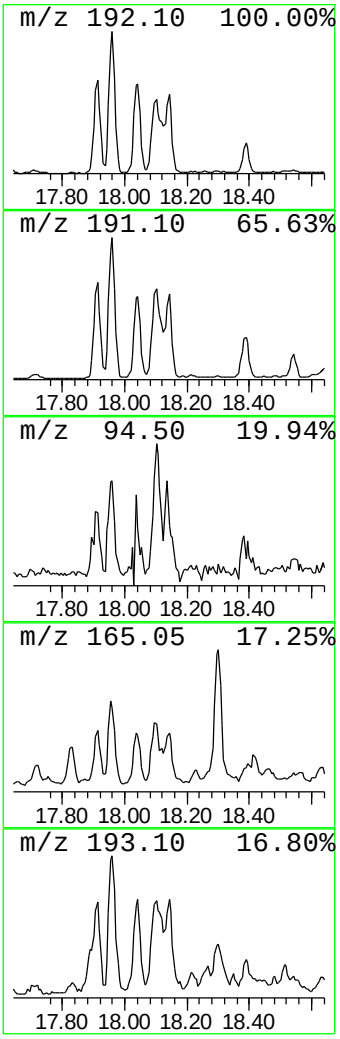
Peak Number 15 1H-Indene, 2-phenyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	3.93 ng/ul	310324	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	74





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Quant Title : SVOA CALIBRATION

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

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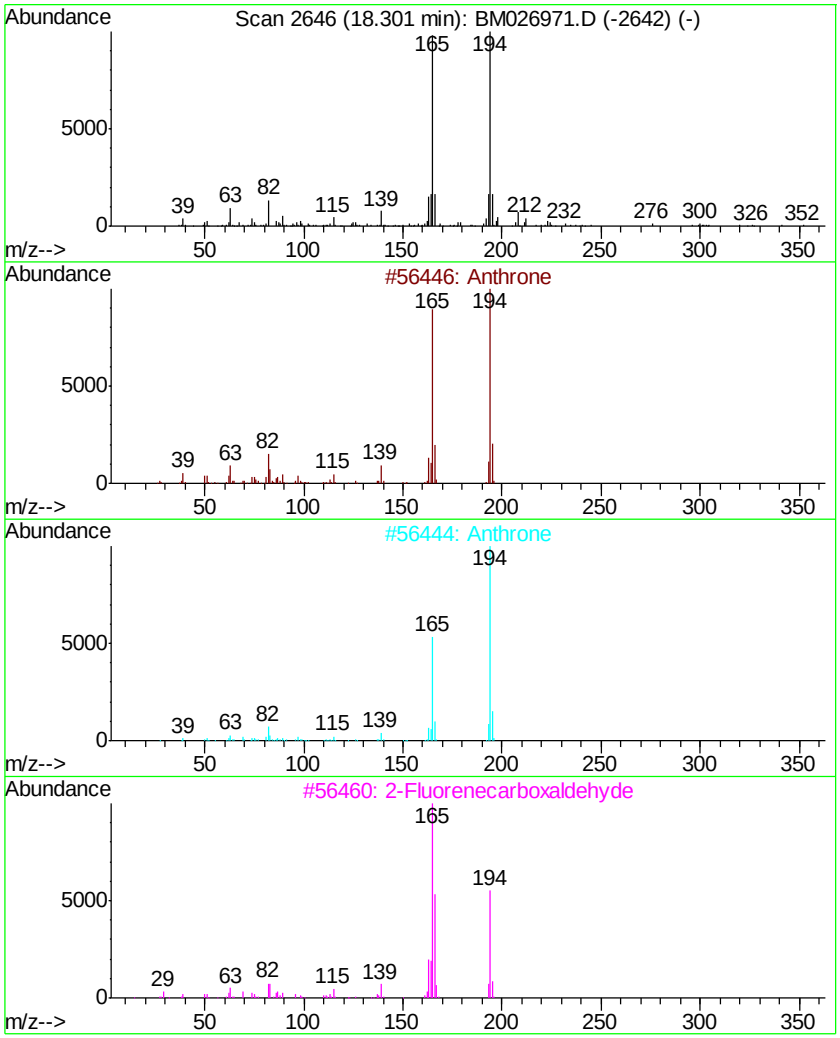
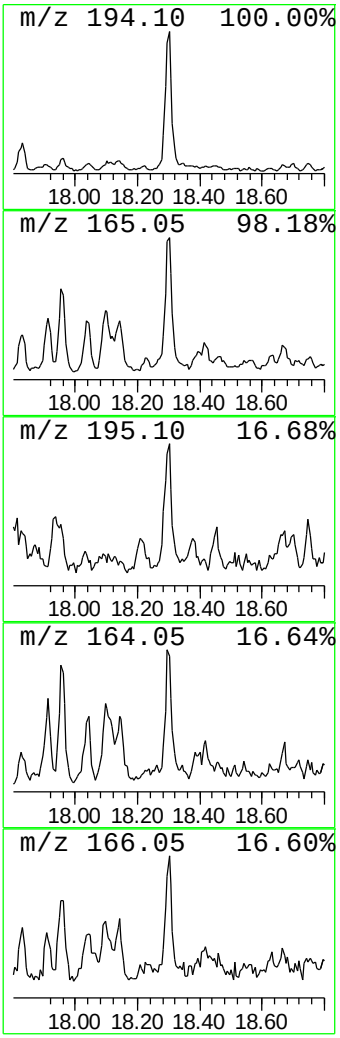
Peak Number 16 Anthrone Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	2.16 ng/ul	170581	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	93
2	Anthrone	194	C14H10O	000090-44-8	90
3	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	87
4	Anthrone	194	C14H10O	000090-44-8	87
5	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	80





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Quant Title : SVOA CALIBRATION

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

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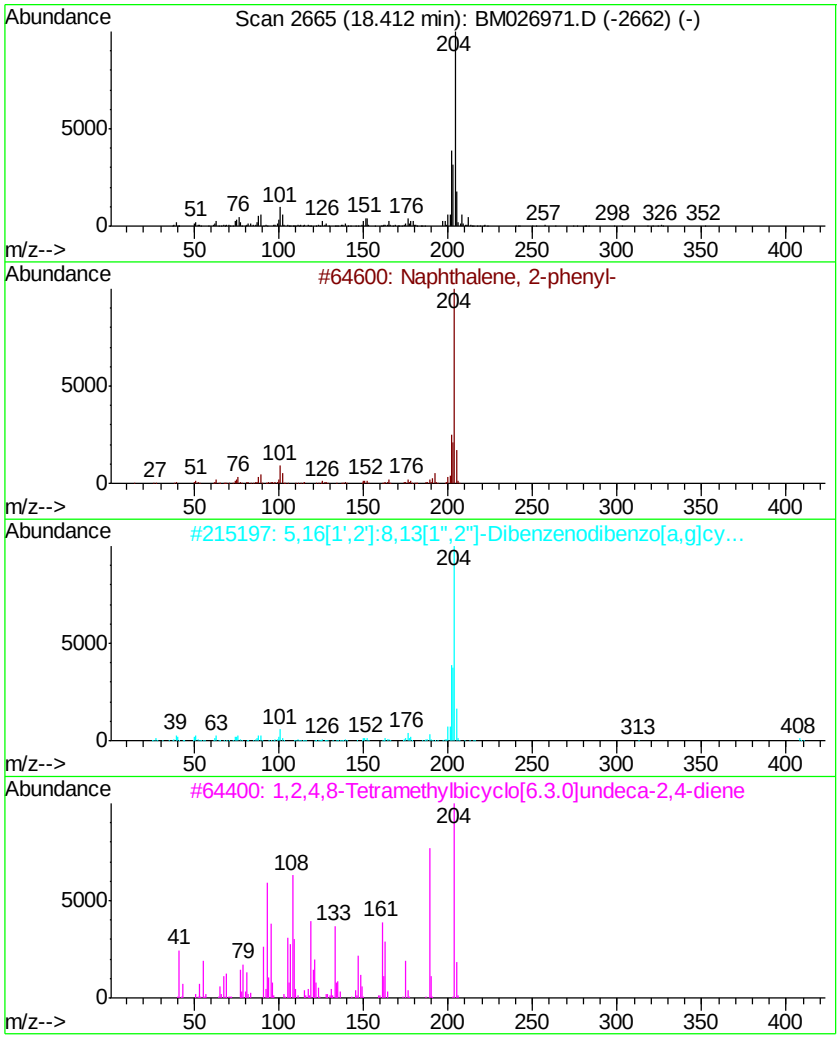
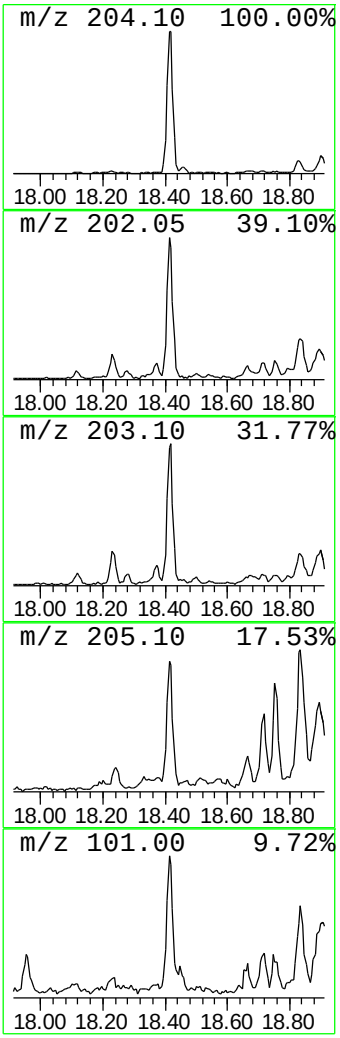
Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	3.06 ng/ul	241659	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86





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Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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Quant Title : SVOA CALIBRATION

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

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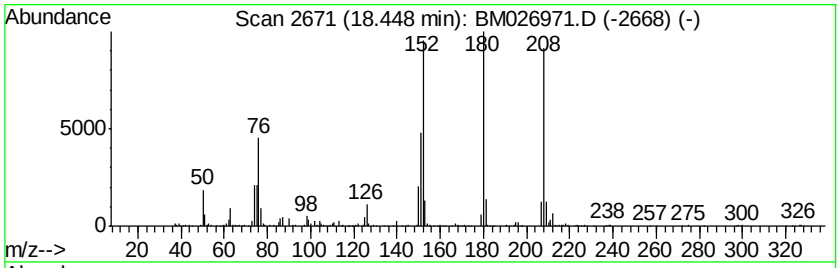
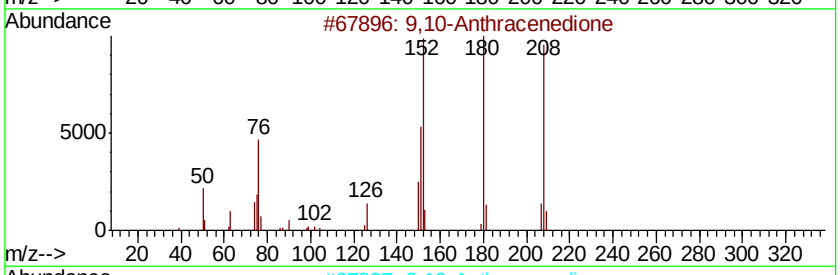
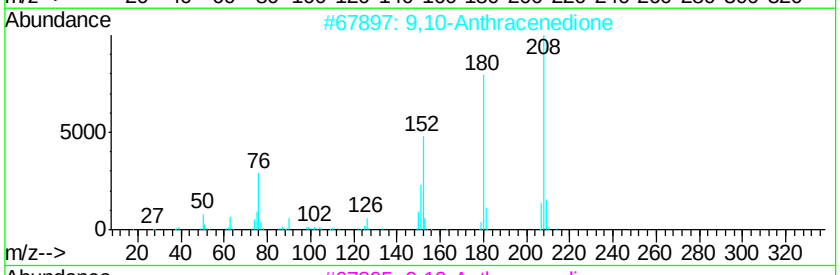
Peak Number 18 9,10-Anthracenedione Concentration Rank 13

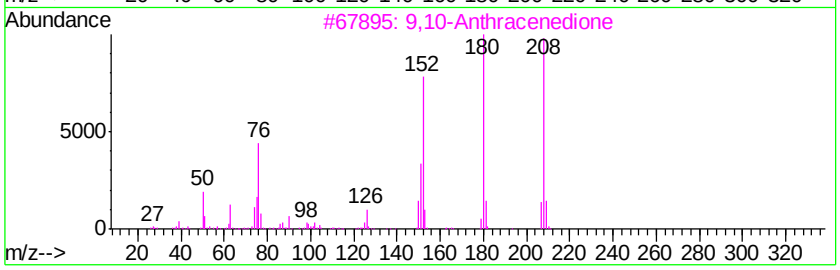
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	7.16 ng/ul	566059	Phenanthrene-d10	17.04

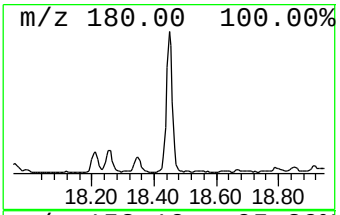
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64

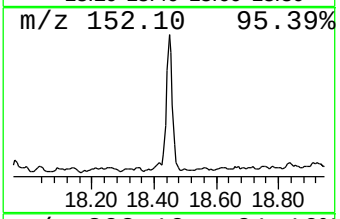


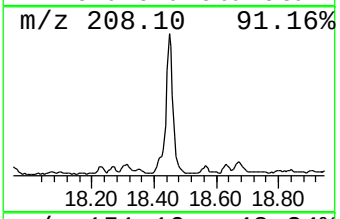


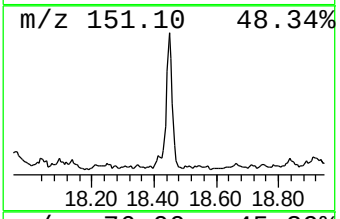


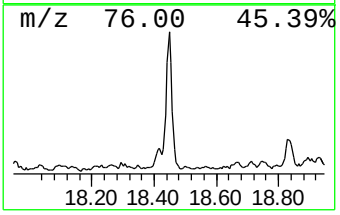












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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

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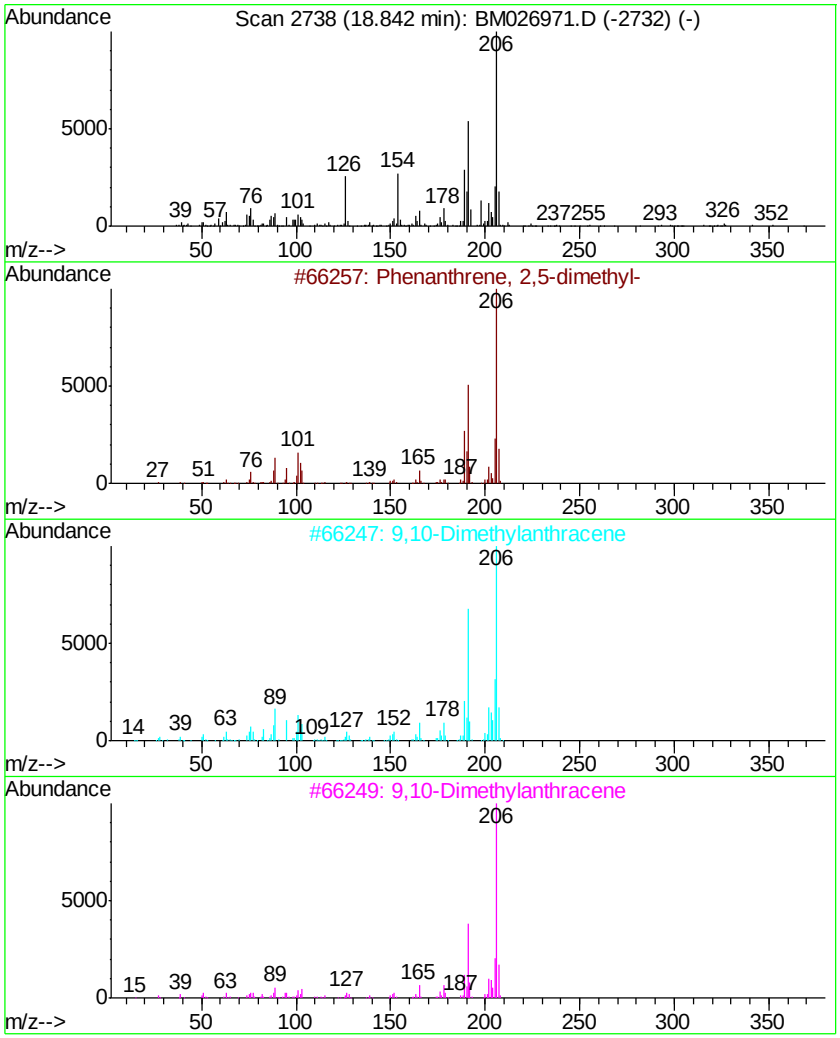
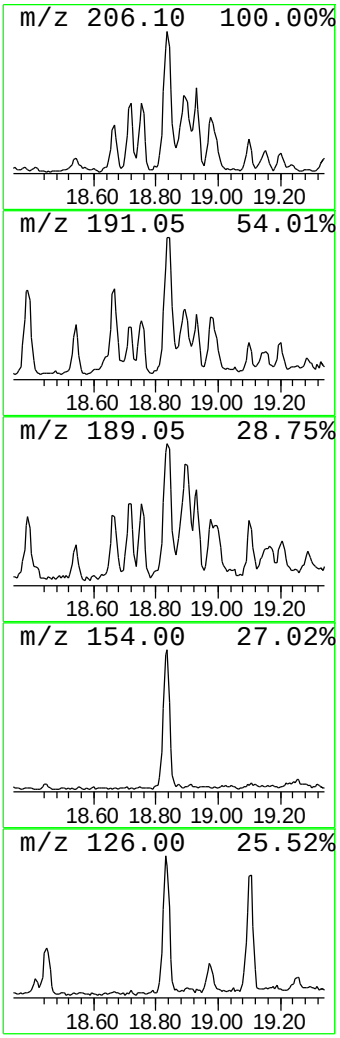
Peak Number 19 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	6.95 ng/ul	549450	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64





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

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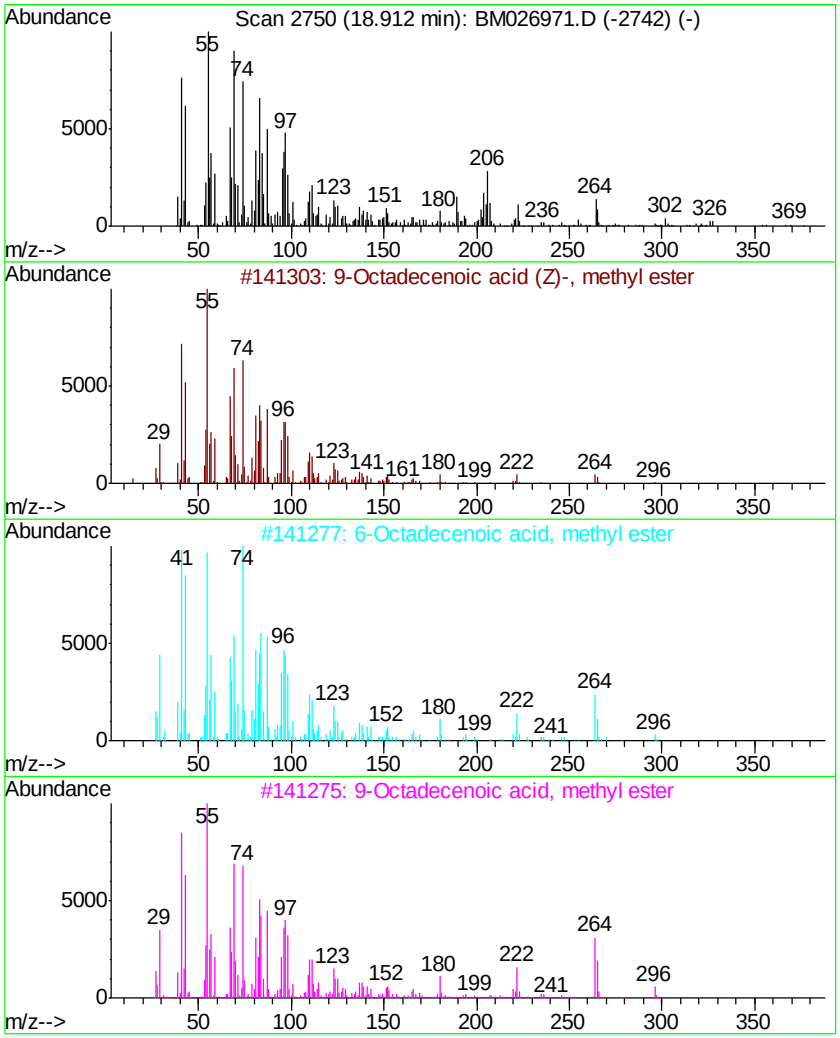
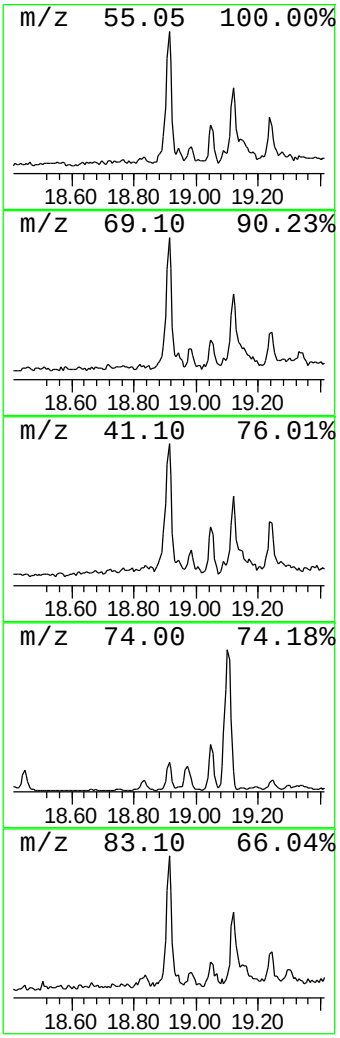
Peak Number 20 9-Octadecenoic acid (Z)-, m... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	11.84 ng/ul	936048	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	99
3	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	98
4	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	98
5	6-Octadecenoic acid, methyl este...	296	C19H36O2	002777-58-4	97





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Quant Title : SVOA CALIBRATION

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

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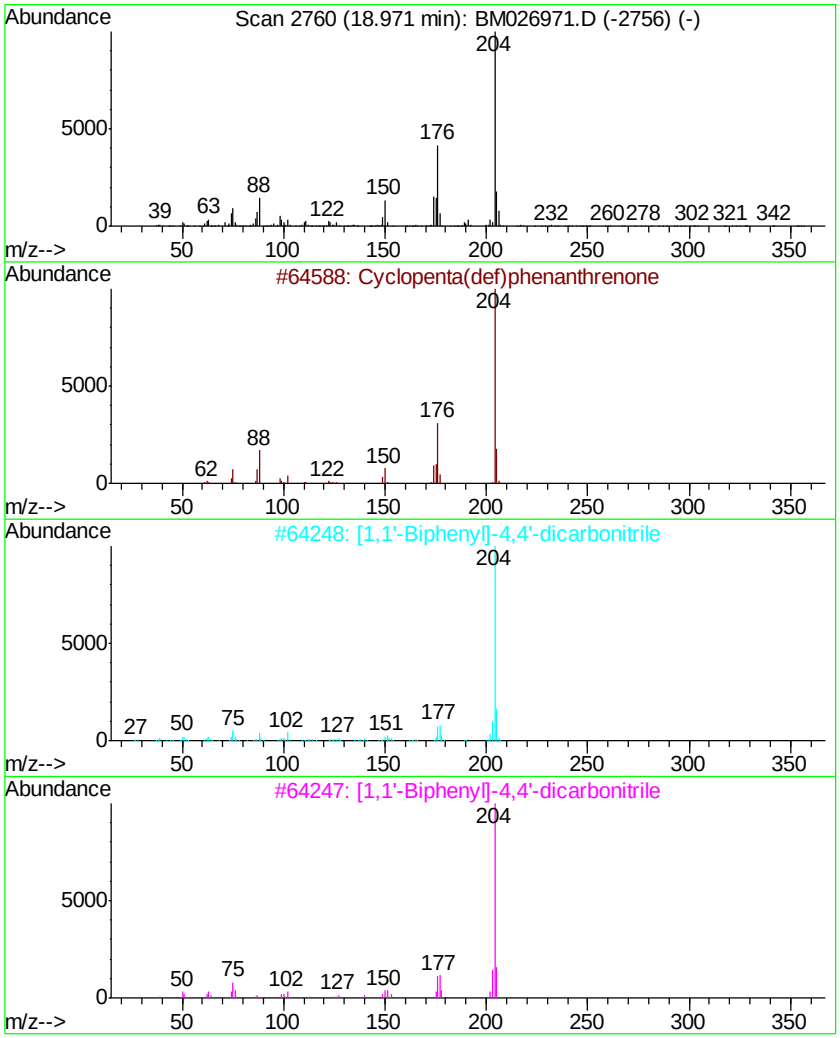
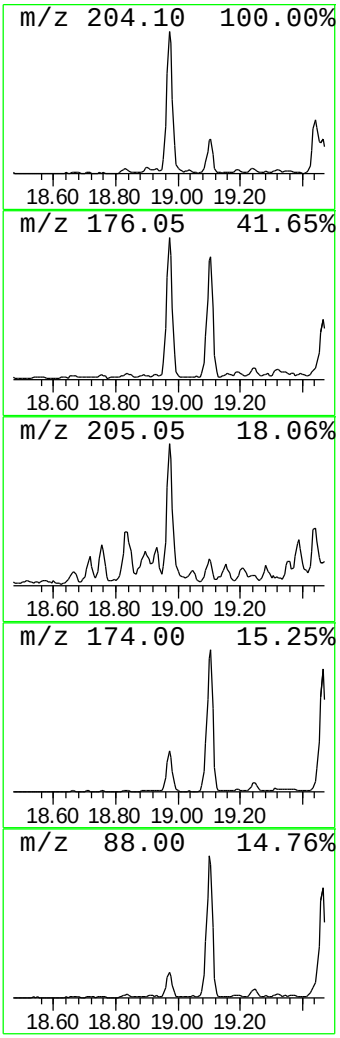
Peak Number 21 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	14.10 ng/ul	1114510	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
5	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50





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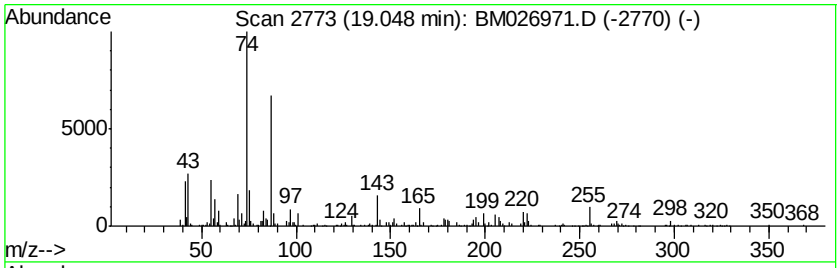
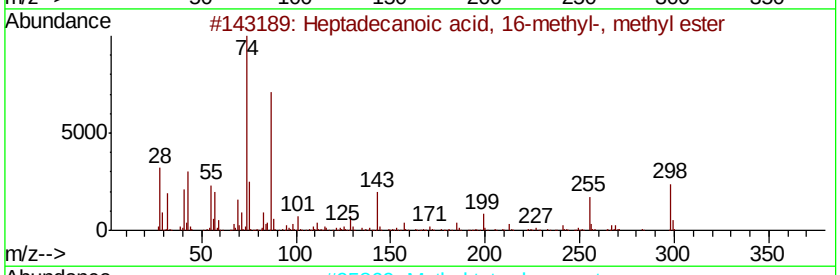
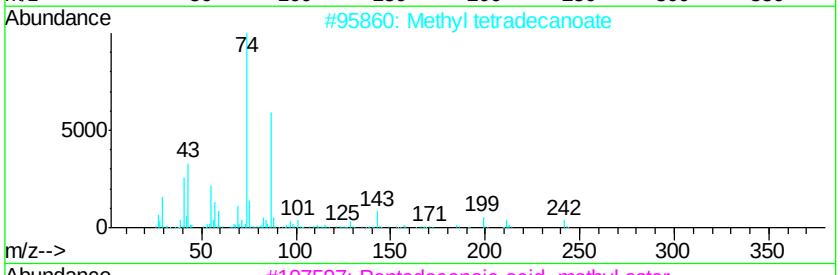
Peak Number 22 Heptadecanoic acid, 16-meth... Concentration Rank 29

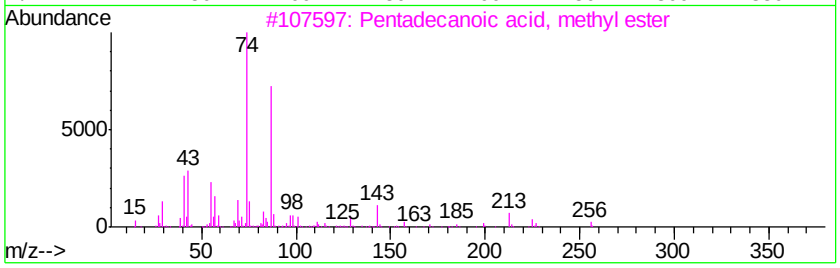
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	2.91 ng/ul	230309	Phenanthrene-d10	17.04

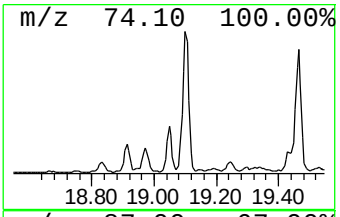
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	93
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	90
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	90
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	90

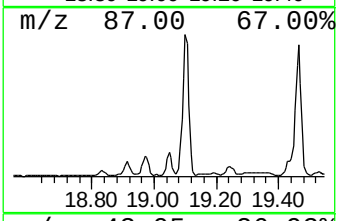


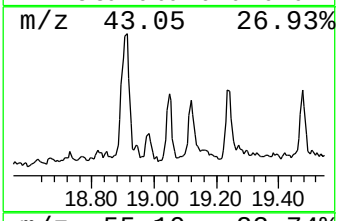


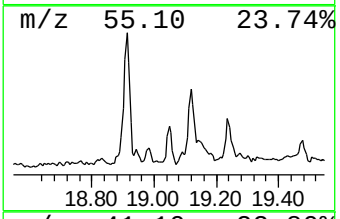


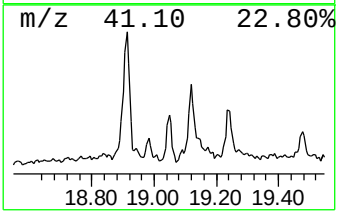












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TIC Integration Parameters: LSCINT.P

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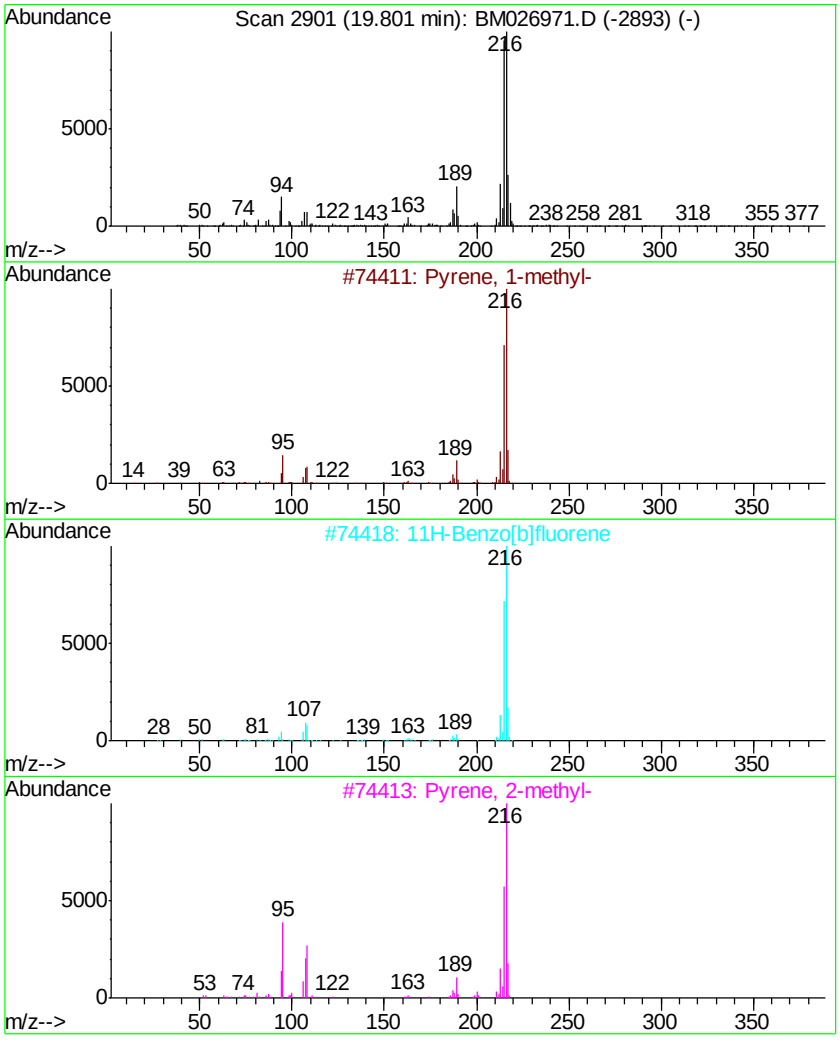
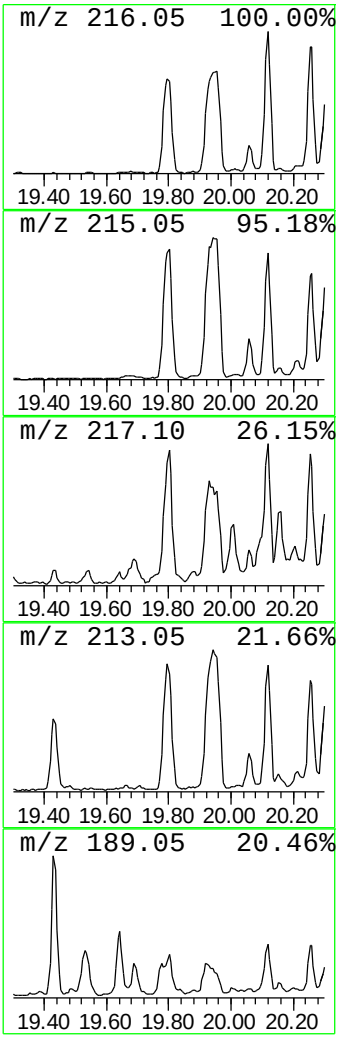
Peak Number 23 Pyrene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	3.10 ng/ul	1543750	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





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Quant Title : SVOA CALIBRATION

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

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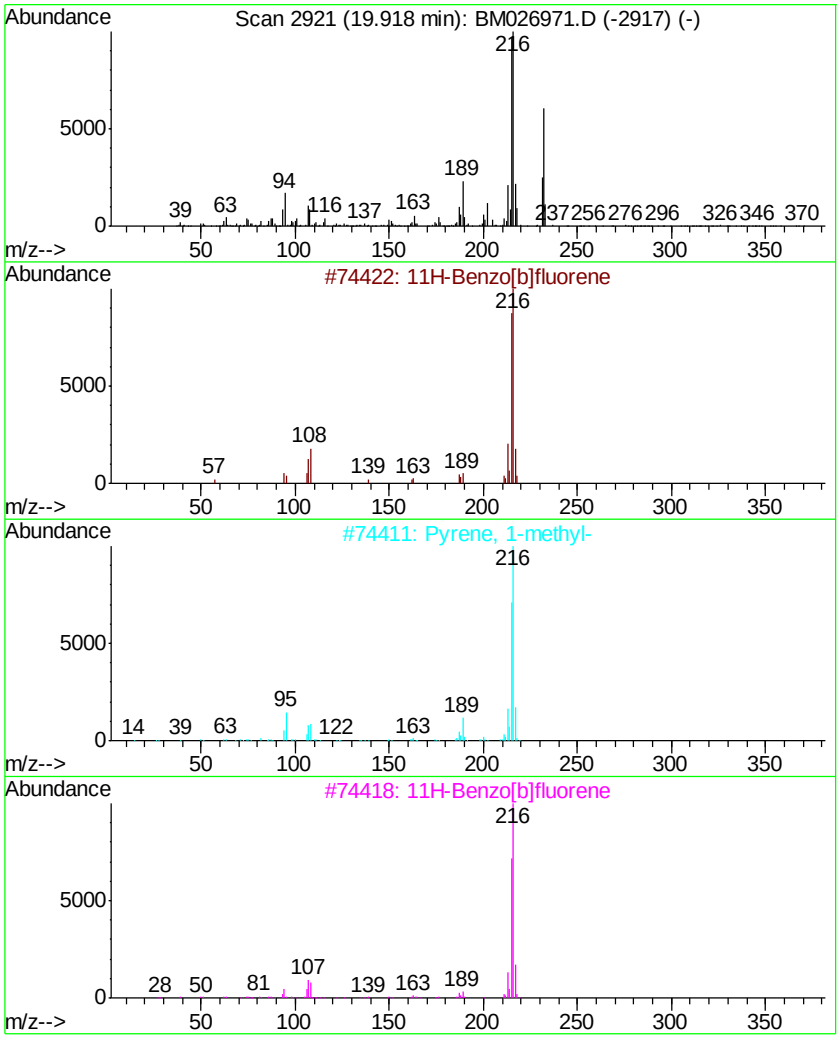
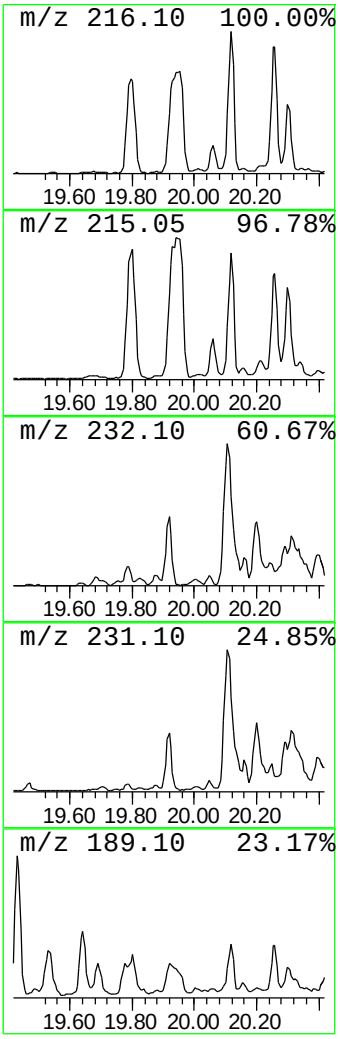
Peak Number 24 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	4.51 ng/ul	2247780	Chrysene-d12	21.23

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





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Quant Title : SVOA CALIBRATION

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

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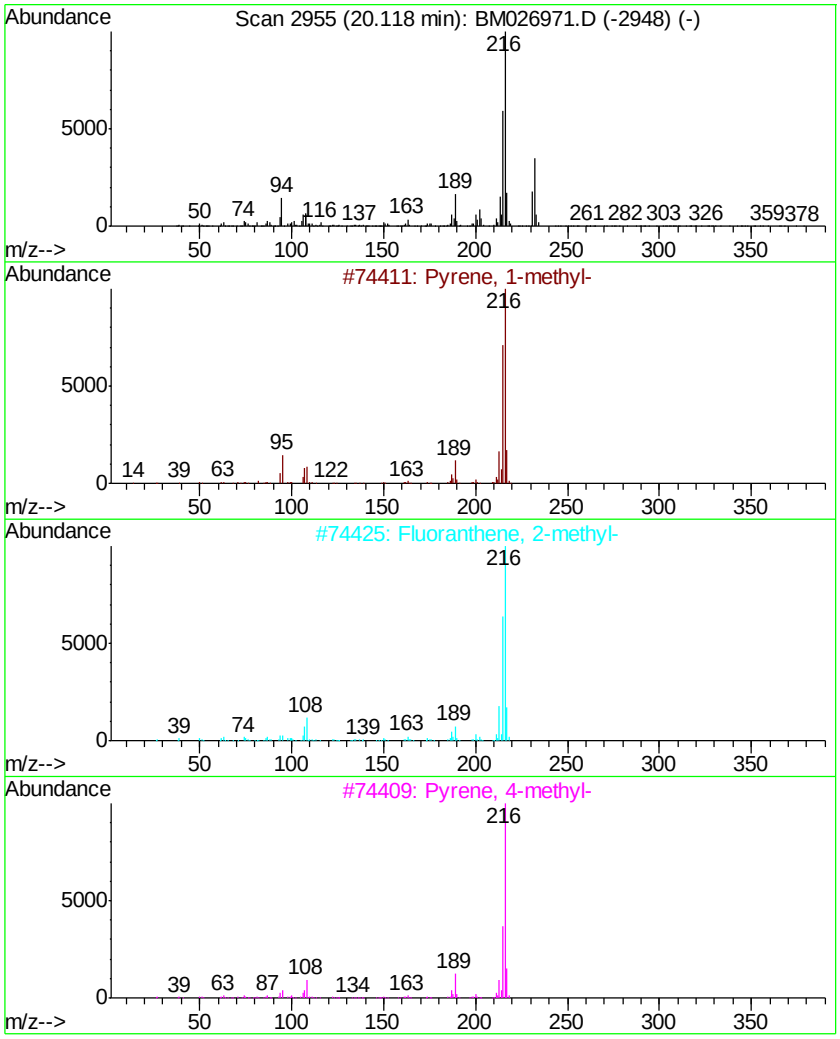
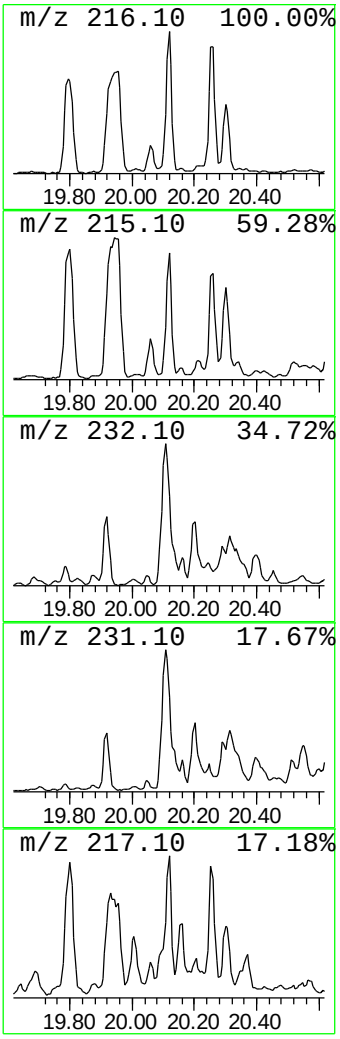
Peak Number 25 Fluoranthene, 2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	3.45 ng/ul	1720690	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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TIC Integration Parameters: LSCINT.P

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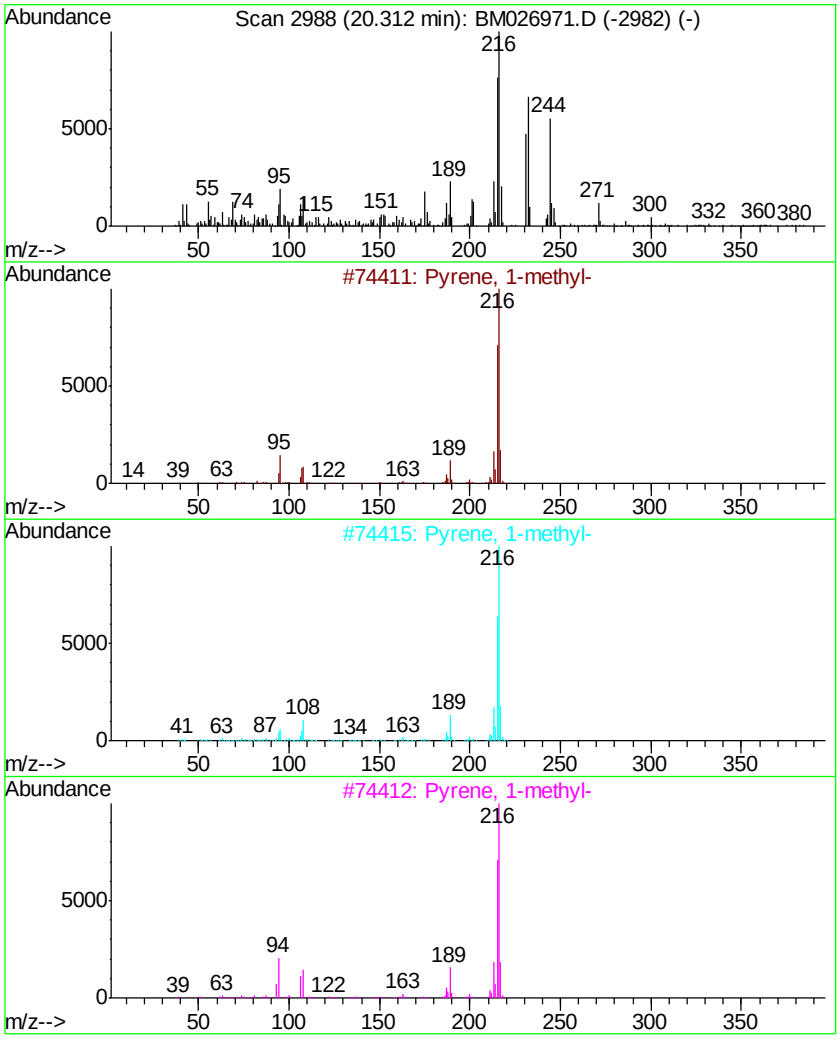
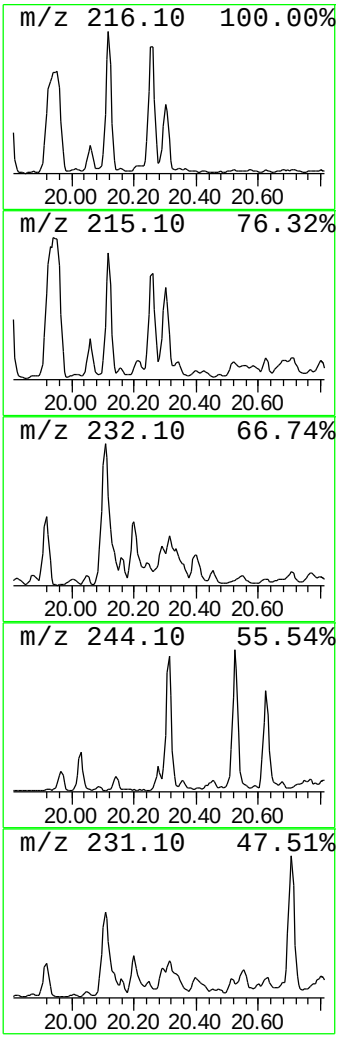
Peak Number 26 Pyrene, 2-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	2.63 ng/ul	1313430	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





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Acq On : 31 Jul 2020 22:57
Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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Quant Title : SVOA CALIBRATION

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

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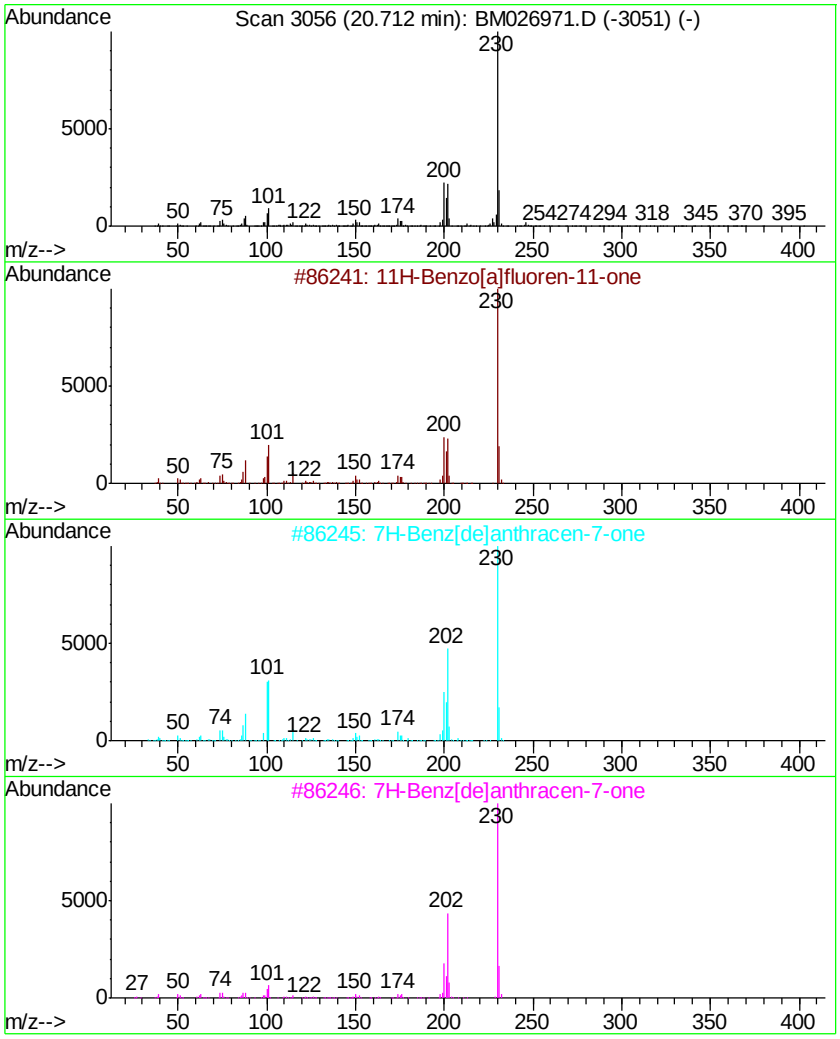
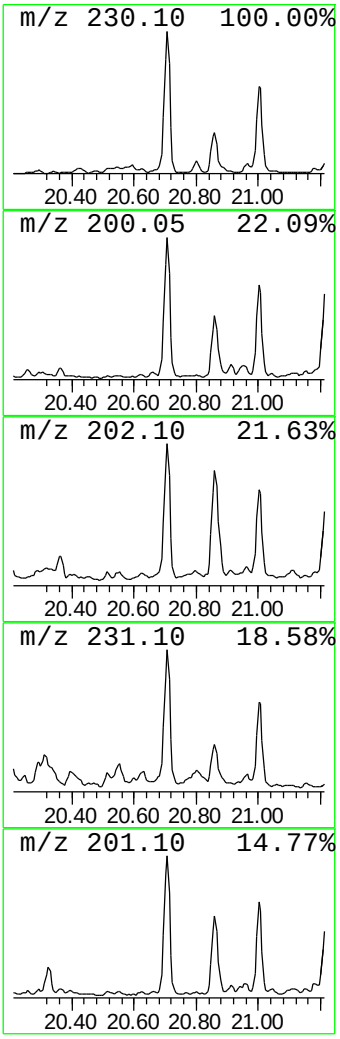
Peak Number 27 11H-Benzo[a]fluoren-11-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.71	4.40 ng/ul	2194300	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	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	78
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78





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Acq On : 31 Jul 2020 22:57
Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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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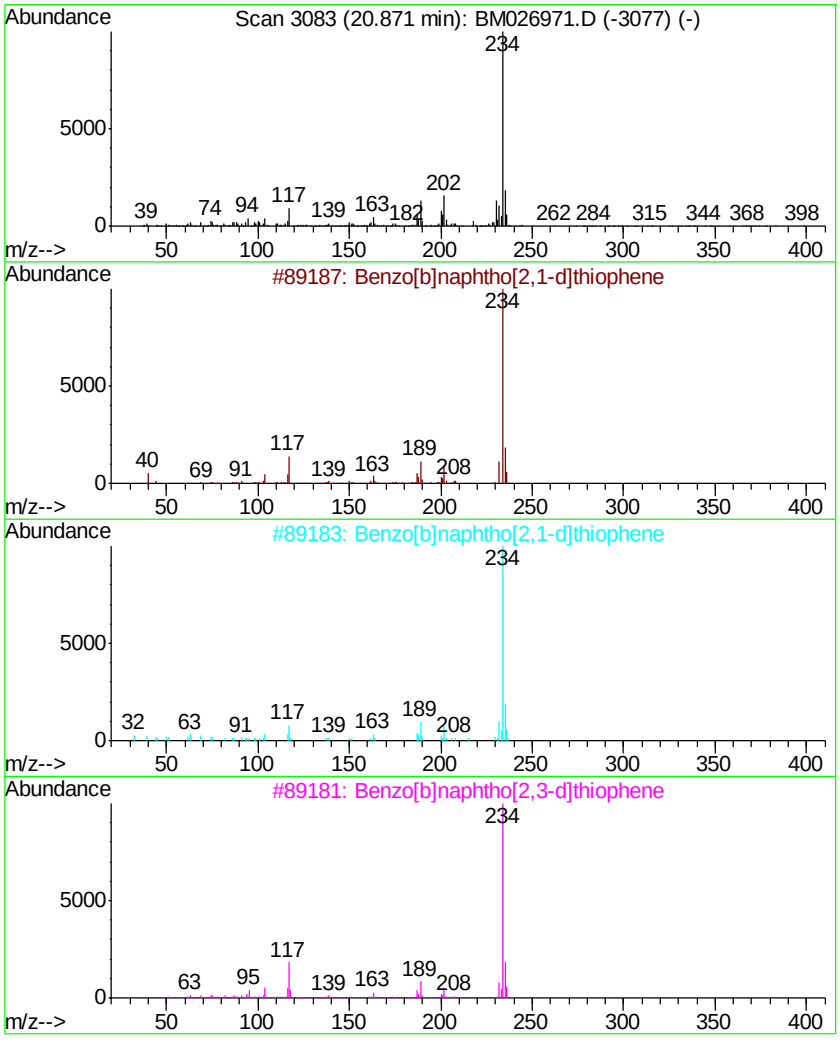
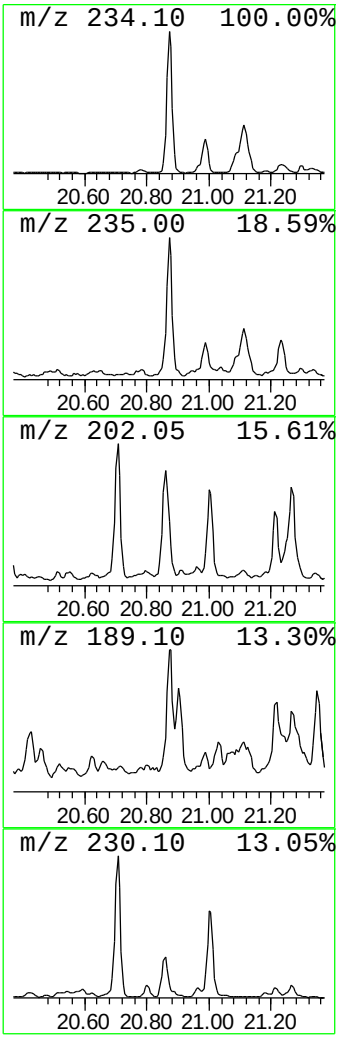
Peak Number 28 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.97 ng/ul	1981580	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	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	90





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Acq On : 31 Jul 2020 22:57
Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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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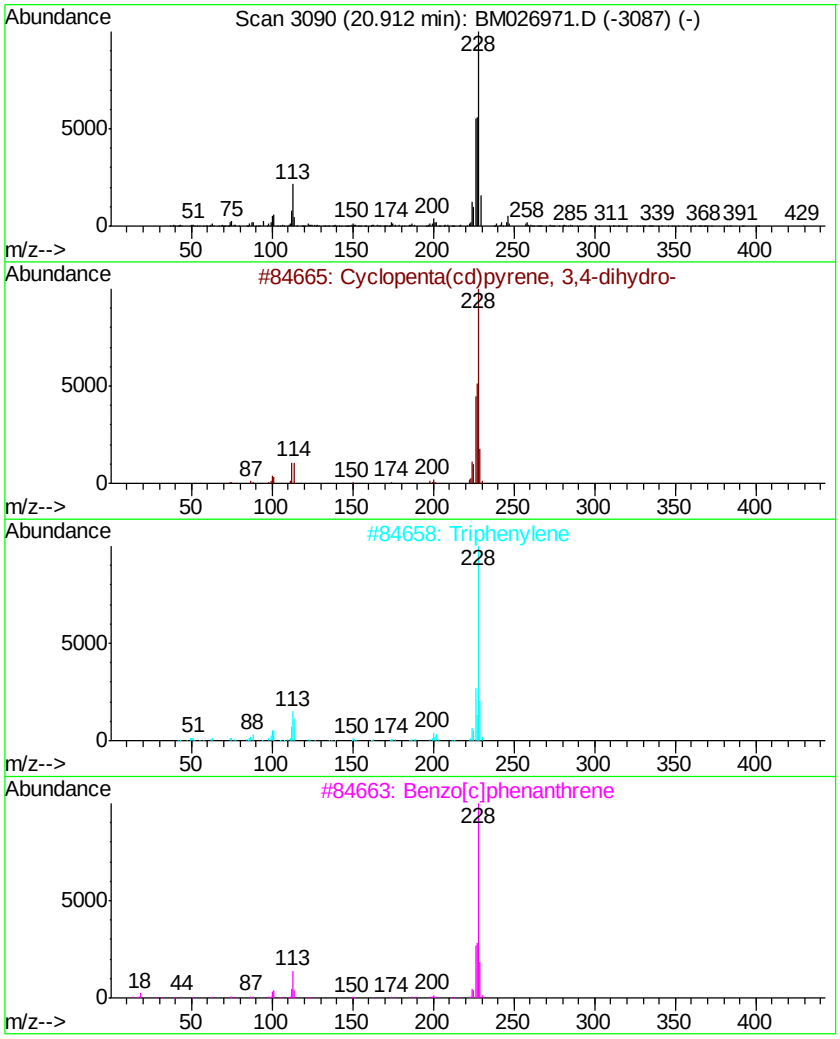
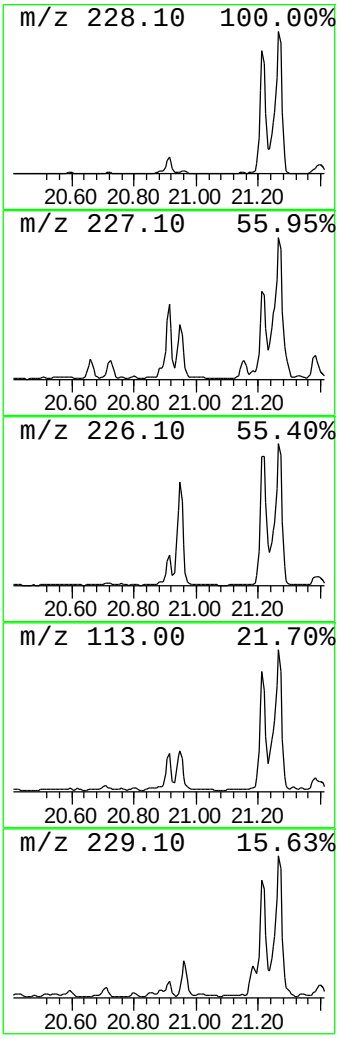
Peak Number 29 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	2.32 ng/ul	1154450	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	60
2	Triphenylene	228	C18H12	000217-59-4	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
4	Benz[a]anthracene	228	C18H12	000056-55-3	45
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	45





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Acq On : 31 Jul 2020 22:57
Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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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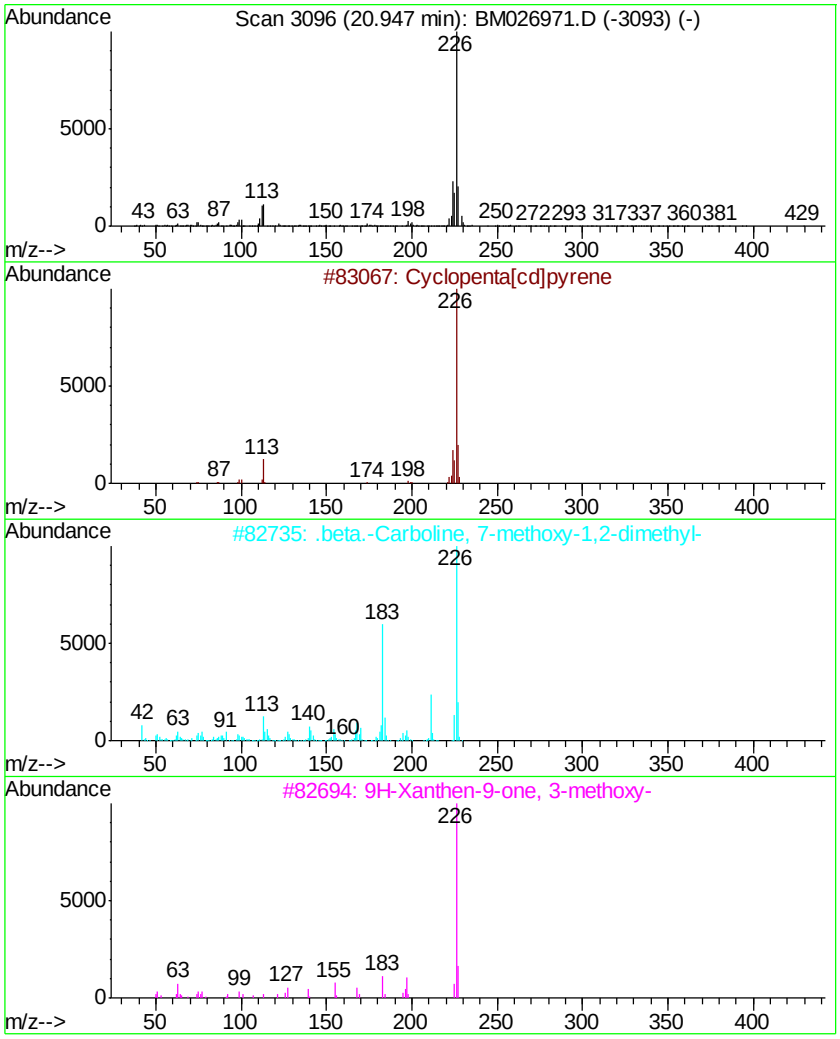
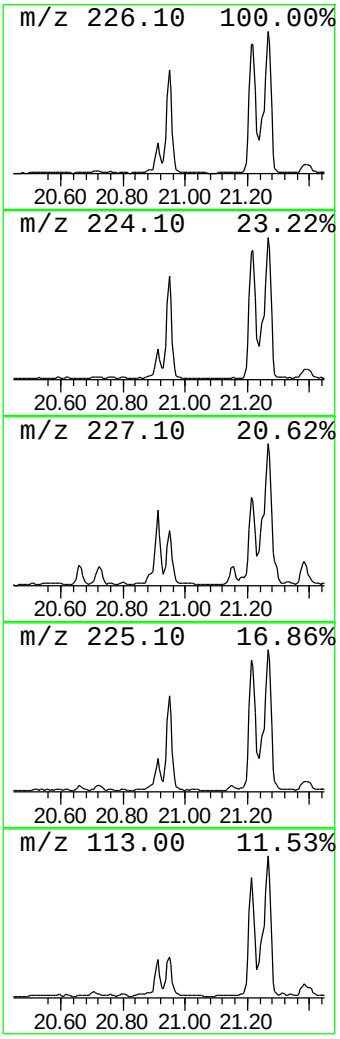
Peak Number 30 Cyclopenta[cd]pyrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	4.10 ng/ul	2045300	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	62
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	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	40
5	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	40





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Acq On : 31 Jul 2020 22:57
Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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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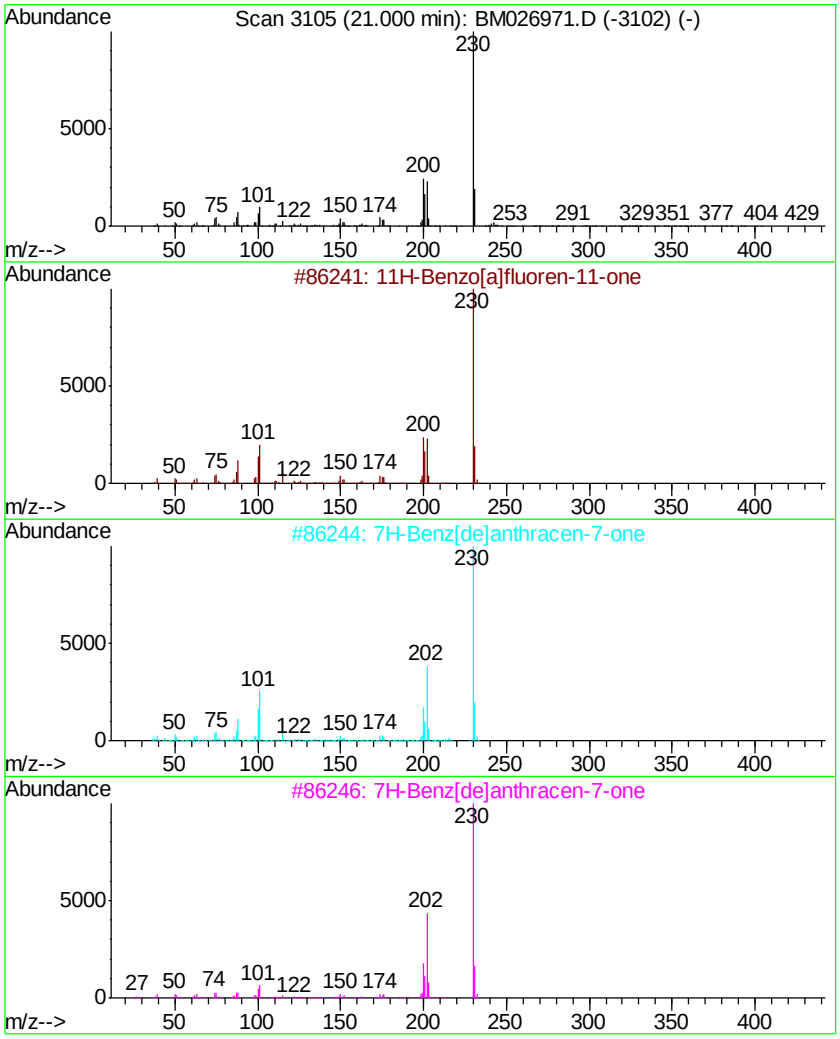
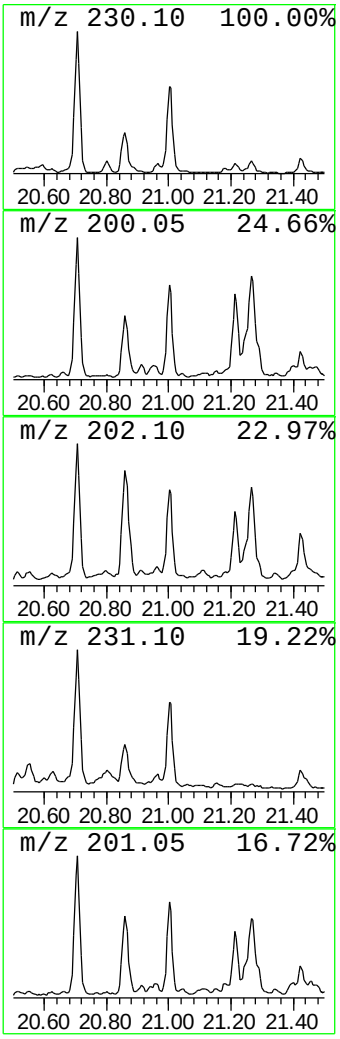
Peak Number 31 7H-Benz[de]anthracen-7-one Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	2.89 ng/ul	1441540	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	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM073120\
Data File : BM026971.D
Acq On : 31 Jul 2020 22:57
Operator : JU/CG
Sample : L3424-16 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S91

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: Cyc...	2.90	5.5	ng/ul	219794	1	7.66	801670	20.0
Butane, 2-methoxy...	2.98	21.5	ng/ul	862028	1	7.66	801670	20.0
1-Propyne, 3-phenyl-	8.20	4.7	ng/ul	186244	1	7.66	801670	20.0
[1,1'-Biphenyl]-4...	15.78	2.9	ng/ul	226930	4	17.04	1580930	20.0
1(2H)-Acenaphthyl...	16.01	2.7	ng/ul	214819	4	17.04	1580930	20.0
Benz[a]azulene	16.62	2.3	ng/ul	181263	4	17.04	1580930	20.0
9H-Fluoren-9-one	16.69	4.8	ng/ul	377880	4	17.04	1580930	20.0
Benzoic acid, 2,4...	17.22	2.5	ng/ul	194014	4	17.04	1580930	20.0
Anthracene, 9-eth...	17.56	2.0	ng/ul	159173	4	17.04	1580930	20.0
Hexadecanoic acid...	17.74	2.1	ng/ul	167611	4	17.04	1580930	20.0
Phenanthrene, 1-m...	17.91	4.5	ng/ul	354608	4	17.04	1580930	20.0
Phenanthrene, 2-m...	17.95	11.8	ng/ul	931166	4	17.04	1580930	20.0
1H-Cyclopropa[l]p...	18.04	4.7	ng/ul	367350	4	17.04	1580930	20.0
4H-Cyclopenta[def...	18.10	9.1	ng/ul	717287	4	17.04	1580930	20.0
1H-Indene, 2-phenyl-	18.14	3.9	ng/ul	310324	4	17.04	1580930	20.0
Anthrone	18.30	2.2	ng/ul	170581	4	17.04	1580930	20.0
Naphthalene, 2-ph...	18.41	3.1	ng/ul	241659	4	17.04	1580930	20.0
9,10-Anthracenedione	18.45	7.2	ng/ul	566059	4	17.04	1580930	20.0
Phenanthrene, 2,5...	18.84	7.0	ng/ul	549450	4	17.04	1580930	20.0
9-Octadecenoic ac...	18.91	11.8	ng/ul	936048	4	17.04	1580930	20.0
Cyclopenta(def)ph...	18.97	14.1	ng/ul	1114510	4	17.04	1580930	20.0
Heptadecanoic aci...	19.05	2.9	ng/ul	230309	4	17.04	1580930	20.0
Pyrene, 1-methyl-	19.80	3.1	ng/ul	1543750	5	21.23	9971070	20.0
11H-Benzo[b]fluorene	19.92	4.5	ng/ul	2247780	5	21.23	9971070	20.0
Fluoranthene, 2-m...	20.12	3.5	ng/ul	1720690	5	21.23	9971070	20.0
Pyrene, 2-methyl-	20.31	2.6	ng/ul	1313430	5	21.23	9971070	20.0
11H-Benzo[a]fluor...	20.71	4.4	ng/ul	2194300	5	21.23	9971070	20.0
Benzo[b]naphtho[2...	20.87	4.0	ng/ul	1981580	5	21.23	9971070	20.0
Cyclopenta(cd)pyr...	20.91	2.3	ng/ul	1154450	5	21.23	9971070	20.0
Cyclopenta[cd]pyrene	20.95	4.1	ng/ul	2045300	5	21.23	9971070	20.0
7H-Benz[de]anthra...	21.00	2.9	ng/ul	1441540	5	21.23	9971070	20.0