LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026961.D
Acq On : 31 Jul 2020 16:51
Operator : JU/CG
Sample : L3424-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S78

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	2.901	24	28	36	rVV	114348	196061	1.73%	0.274%
2	2.978	36	41	58	rVB	585960	764745	6.76%	1.068%
3	6.831	689	696	704	rVB	54881	94028	0.83%	0.131%
4	6.995	719	724	731	rBV	41110	68712	0.61%	0.096%
5	7.195	751	758	767	rVB	55721	90640	0.80%	0.127%
6	7.660	830	837	846	rVB	433436	681374	6.02%	0.951%
7	8.195	922	928	938	rBV	72151	128449	1.14%	0.179%
8	8.360	950	956	962	rBV2	65963	102156	0.90%	0.143%
9	8.801	1024	1031	1038	rVB	50254	85417	0.75%	0.119%
10	9.519	1147	1153	1158	rBV2	38447	63530	0.56%	0.089%
11	10.054	1239	1244	1251	rVB	67877	110966	0.98%	0.155%
12	10.436	1301	1309	1314	rBV	563068	975178	8.62%	1.362%
13	10.483	1314	1317	1325	rVB	129662	198117	1.75%	0.277%
14	10.566	1325	1331	1340	rBV3	35004	66942	0.59%	0.093%
15	11.930	1555	1563	1571	rBV2	21301	48487	0.43%	0.068%
16	12.101	1584	1592	1599	rBV	43139	71475	0.63%	0.100%
17	13.707	1860	1865	1869	rVV	109651	155104	1.37%	0.217%
18	13.748	1869	1872	1877	rVB2	40684	57184	0.51%	0.080%
19	13.983	1905	1912	1913	rBV	132976	180346	1.59%	0.252%
20	14.013	1913	1917	1927	rVB	317449	504432	4.46%	0.704%
21	14.295	1957	1965	1971	rVV	824203	1244703	11.00%	1.738%
22	14.354	1971	1975	1981	rVB	38309	62501	0.55%	0.087%
23	14.477	1990	1996	2003	rVB3	41782	61980	0.55%	0.087%
24	14.695	2027	2033	2037	rBV	64368	101727	0.90%	0.142%
25	15.171	2108	2114	2118	rBV2	15405	29291	0.26%	0.041%
26	15.289	2126	2134	2138	rBV	168059	246168	2.18%	0.344%
27	15.342	2138	2143	2149	rVV2	47196	82285	0.73%	0.115%
28	15.395	2149	2152	2157	rVB2	29995	42134	0.37%	0.059%
29	15.554	2173	2179	2182	rVV5	13528	32265	0.29%	0.045%
30	15.589	2182	2185	2189	rVV4	15548	26989	0.24%	0.038%
31	15.789	2215	2219	2227	rVB4	19914	42802	0.38%	0.060%
32	16.012	2250	2257	2260	rBV	70128	112163	0.99%	0.157%
33	16.042	2260	2262	2264	rVV3	26324	29352	0.26%	0.041%
34	16.612	2355	2359	2364	rVB	60809	82986	0.73%	0.116%

LSC Area Percent Report

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Sample : L3424-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S78

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	16.683	2367	2371	2381	rVB	74701	122783	1.09%	0.171%
36	17.036	2425	2431	2435	rBV	1006954	1462802	12.93%	2.043%
37	17.077	2435	2438	2443	rVB	300171	379641	3.36%	0.530%
38	17.130	2443	2447	2449	rBV	183345	250491	2.21%	0.350%
39	17.165	2449	2453	2459	rVB	1126894	1522789	13.46%	2.126%
40	17.430	2491	2498	2504	rBV	119867	218250	1.93%	0.305%
41	17.565	2518	2521	2525	rBV4	26978	32859	0.29%	0.046%
42	17.689	2540	2542	2546	rVB4	22605	27196	0.24%	0.038%
43	17.736	2547	2550	2556	rVB5	35653	47717	0.42%	0.067%
44	17.912	2577	2580	2583	rBV	22146	29186	0.26%	0.041%
45	17.953	2583	2587	2596	rVV2	194392	268706	2.37%	0.375%
46	18.036	2596	2601	2606	rVV	112962	170424	1.51%	0.238%
47	18.106	2608	2613	2623	rVB2	110597	256140	2.26%	0.358%
48	18.295	2641	2645	2652	rVB	146311	209864	1.85%	0.293%
49	18.412	2663	2665	2667	rVV	36904	37317	0.33%	0.052%
50	18.448	2667	2671	2676	rVB	134301	191436	1.69%	0.267%
51	18.830	2731	2736	2741	rBV3	80834	142401	1.26%	0.199%
52	18.912	2744	2750	2755	rBV6	174597	258976	2.29%	0.362%
53	18.965	2755	2759	2768	rVB	223031	310992	2.75%	0.434%
54	19.047	2770	2773	2776	rBV	100352	119012	1.05%	0.166%
55	19.095	2776	2781	2788	rBV	2122116	2812985	24.86%	3.928%
56	19.242	2802	2806	2811	rBV2	243027	348990	3.08%	0.487%
57	19.430	2833	2838	2839	rBV	476345	610801	5.40%	0.853%
58	19.459	2839	2843	2851	rVV	2383498	3201740	28.30%	4.471%
59	19.536	2853	2856	2862	rVB4	67295	116026	1.03%	0.162%
60	19.636	2870	2873	2877	rBV	106256	130428	1.15%	0.182%
61	19.800	2893	2901	2904	rBV3	238119	515195	4.55%	0.719%
62	19.924	2917	2922	2932	rVB5	319885	911287	8.05%	1.272%
63	20.053	2941	2944	2948	rVB	137833	171502	1.52%	0.239%
64	20.112	2948	2954	2958	rBV2	327939	532235	4.70%	0.743%
65	20.153	2958	2961	2965	rVB	118738	139204	1.23%	0.194%
66	20.253	2974	2978	2982	rBV	289770	362255	3.20%	0.506%
67	20.300	2982	2986	2988	rBV2	128761	211572	1.87%	0.295%
68	20.512	3019	3022	3027	rBV5	127350	230236	2.03%	0.321%
69	20.618	3038	3040	3043	rBV4	83024	90037	0.80%	0.126%
70	20.659	3044	3047	3050	rVV3	101519	144414	1.28%	0.202%
71	20.706	3051	3055	3061	rVB2	345903	592377	5.24%	0.827%

LSC Area Percent Report

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Sample : L3424-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S78

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	20.871	3077	3083	3086	rBV2	329566	613710	5.42%	0.857%
73	20.912	3086	3090	3092	rVV2	314238	392618	3.47%	0.548%
74	20.947	3092	3096	3101	rVV2	680359	1074417	9.50%	1.500%
75	20.994	3101	3104	3108	rVB2	242146	317443	2.81%	0.443%
76	21.212	3135	3141	3146	rBV2	2267057	4771681	42.17%	6.663%
77	21.265	3146	3150	3157	rVB	2948335	4169186	36.85%	5.822%
78	21.347	3161	3164	3167	rVB	115761	127636	1.13%	0.178%
79	21.394	3167	3172	3176	rBV3	293165	499076	4.41%	0.697%
80	21.477	3183	3186	3190	rVB2	251971	337172	2.98%	0.471%
81	21.530	3191	3195	3199	rBV2	374170	587237	5.19%	0.820%
82	21.583	3201	3204	3212	rVB2	260206	488955	4.32%	0.683%
83	21.718	3224	3227	3230	rBV4	158403	260817	2.31%	0.364%
84	21.771	3233	3236	3240	rVV	439281	574353	5.08%	0.802%
85	21.824	3241	3245	3252	rVB2	347036	517078	4.57%	0.722%
86	21.965	3265	3269	3272	rBV	292955	424867	3.75%	0.593%
87	22.230	3311	3314	3319	rVB	179812	246116	2.18%	0.344%
88	22.512	3357	3362	3376	rVB3	380796	1223389	10.81%	1.708%
89	22.641	3379	3384	3390	rVB2	552510	924564	8.17%	1.291%
90	22.788	3401	3409	3414	rBV2	4444691	11315157	100.00%	15.800%
91	22.947	3431	3436	3444	rBV	620409	924699	8.17%	1.291%
92	23.077	3453	3458	3469	rBV2	293852	705587	6.24%	0.985%
93	23.253	3482	3488	3494	rVV	1965802	3267277	28.88%	4.562%
94	23.341	3498	3503	3510	rVB	1565208	2870058	25.36%	4.008%
95	23.435	3512	3519	3523	rBV2	791170	1544513	13.65%	2.157%
96	23.482	3524	3527	3536	rVB3	507702	1100426	9.73%	1.537%
97	24.971	3775	3780	3786	rBV3	199882	475240	4.20%	0.664%
98	25.406	3850	3854	3862	rVB3	432659	1034987	9.15%	1.445%
99	25.653	3886	3896	3906	rVB	1691559	4895707	43.27%	6.836%
100	26.318	4000	4009	4020	rVB	636298	1911873	16.90%	2.670%

Sum of corrected areas: 71616794

LSC Report - Integrated Chromatogram

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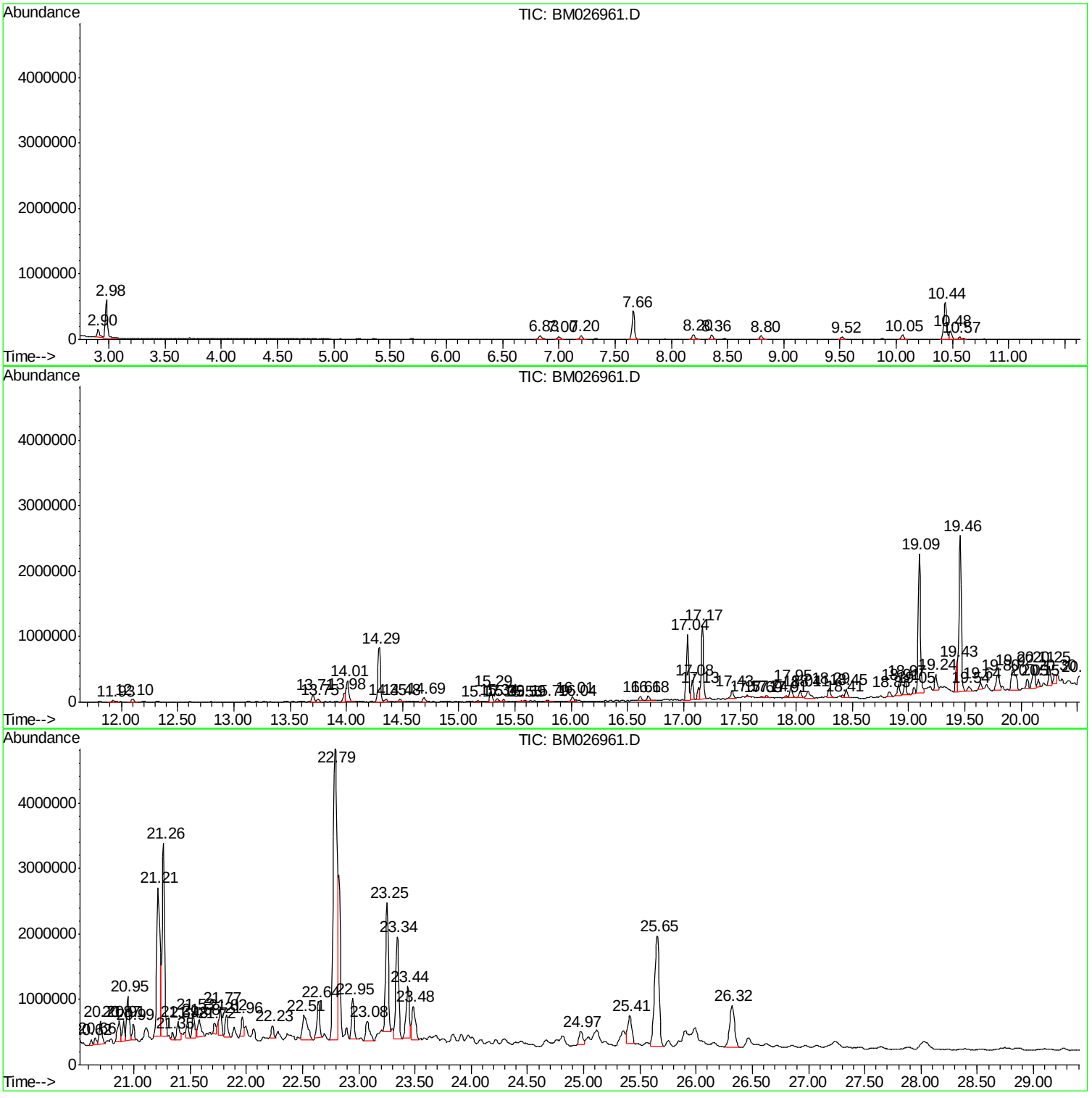
Acq On : 31 Jul 2020 16:51
Operator : JU/CG
Sample : L3424-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S78

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\
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Acq On : 31 Jul 2020 16:51
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Instrument : BNA_M
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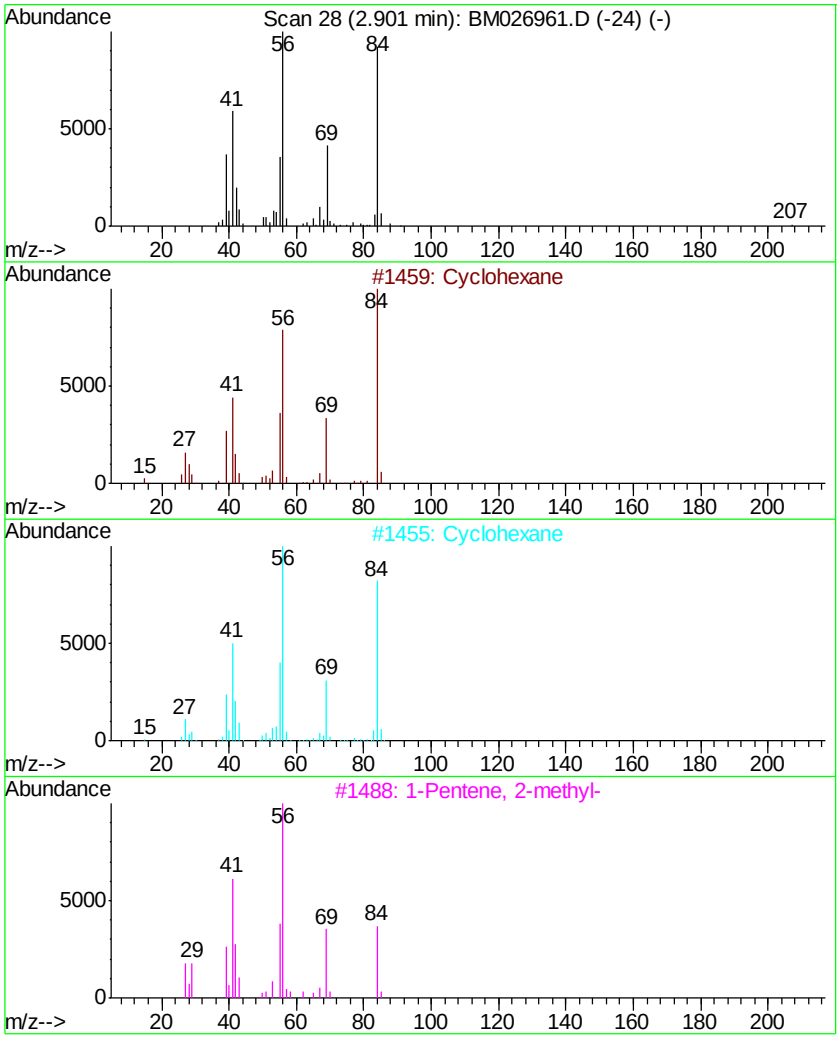
Quant Title : SVOA CALIBRATION

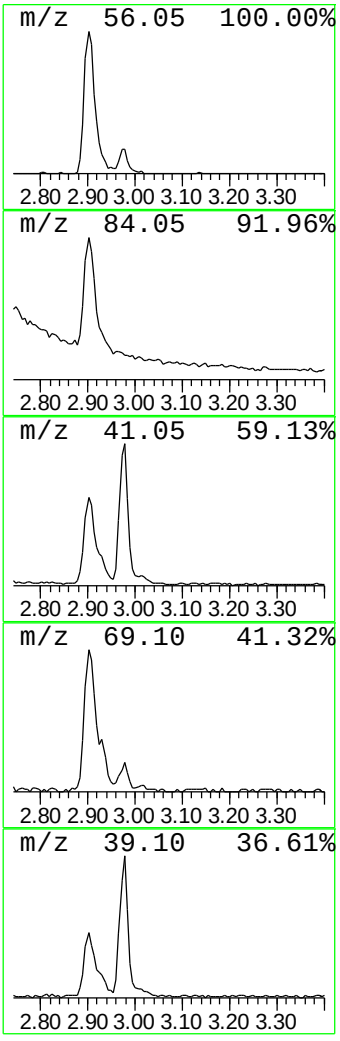
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.90	5.75 ng/ul	196061	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	90
2	Cyclohexane	84	C6H12	000110-82-7	90
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	86
4	Cyclohexane	84	C6H12	000110-82-7	83
5	Cyclohexane	84	C6H12	000110-82-7	80





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Instrument : BNA_M
ClientSampleId : C0S78

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

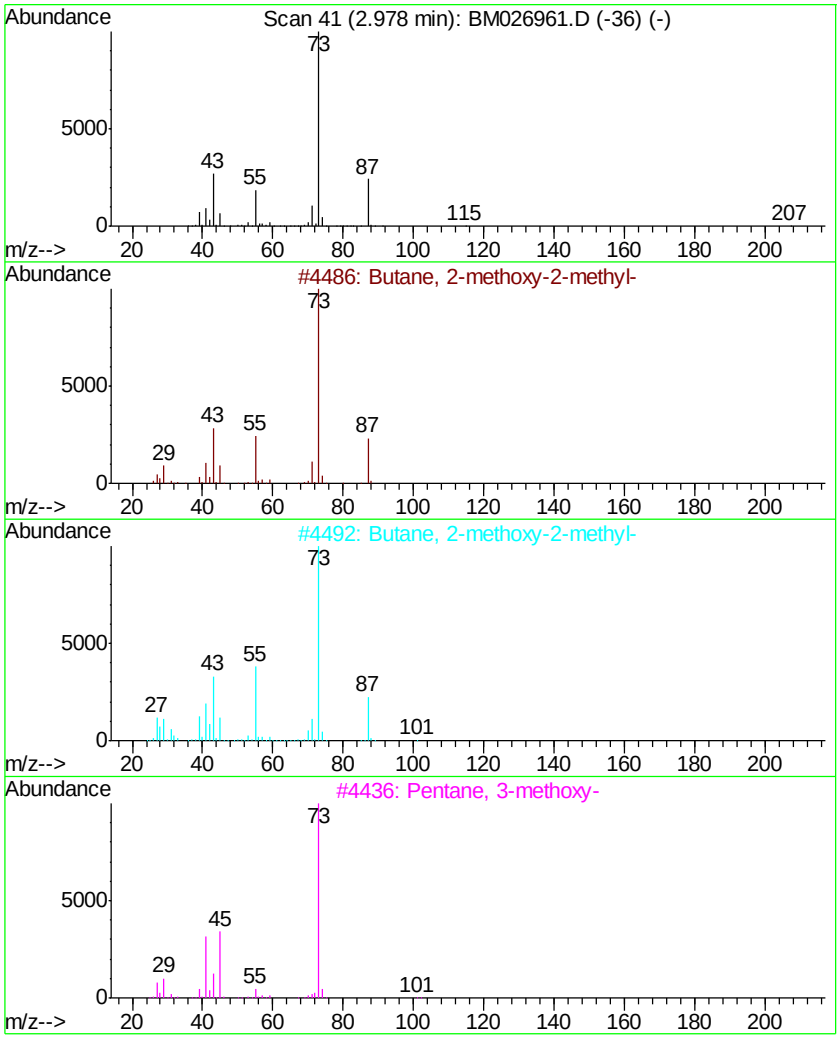
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

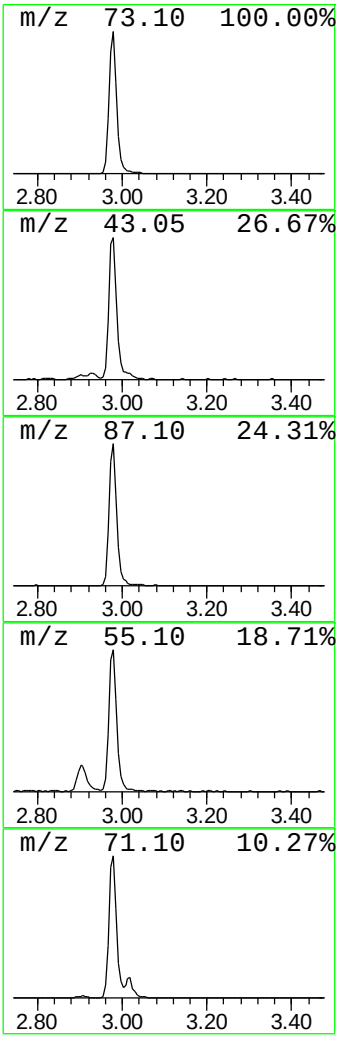
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	22.45 ng/ul	764745	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	72
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	16
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	16





Library Search Compound Report

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

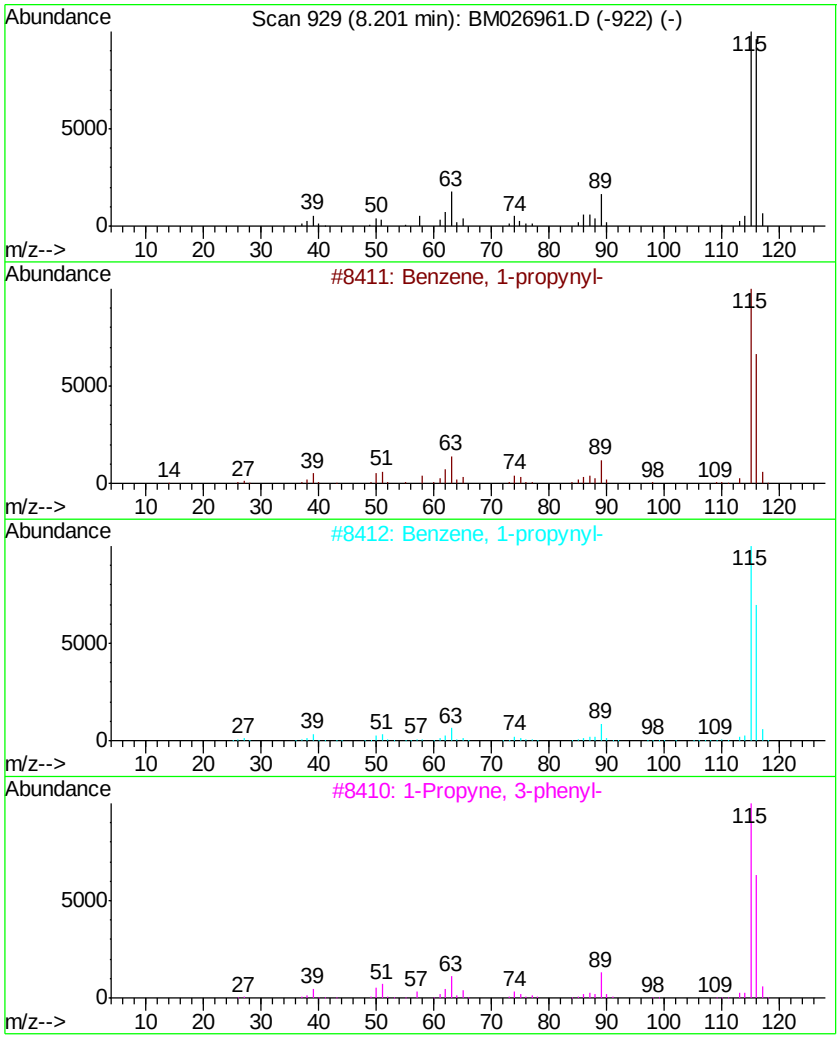
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

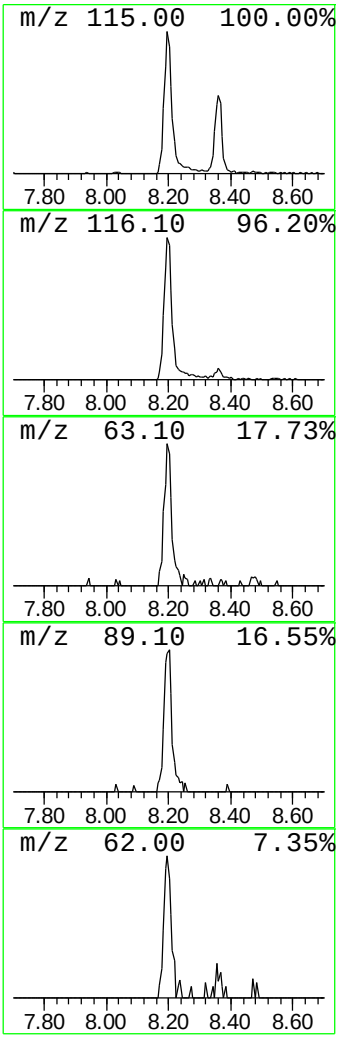
****

Peak Number 3 Benzene, 1-propynyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	3.77 ng/ul	128449	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91
4	Indene	116	C9H8	000095-13-6	91
5	Indene	116	C9H8	000095-13-6	91





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Misc :
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Instrument : BNA_M
ClientSampleId : C0S78

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

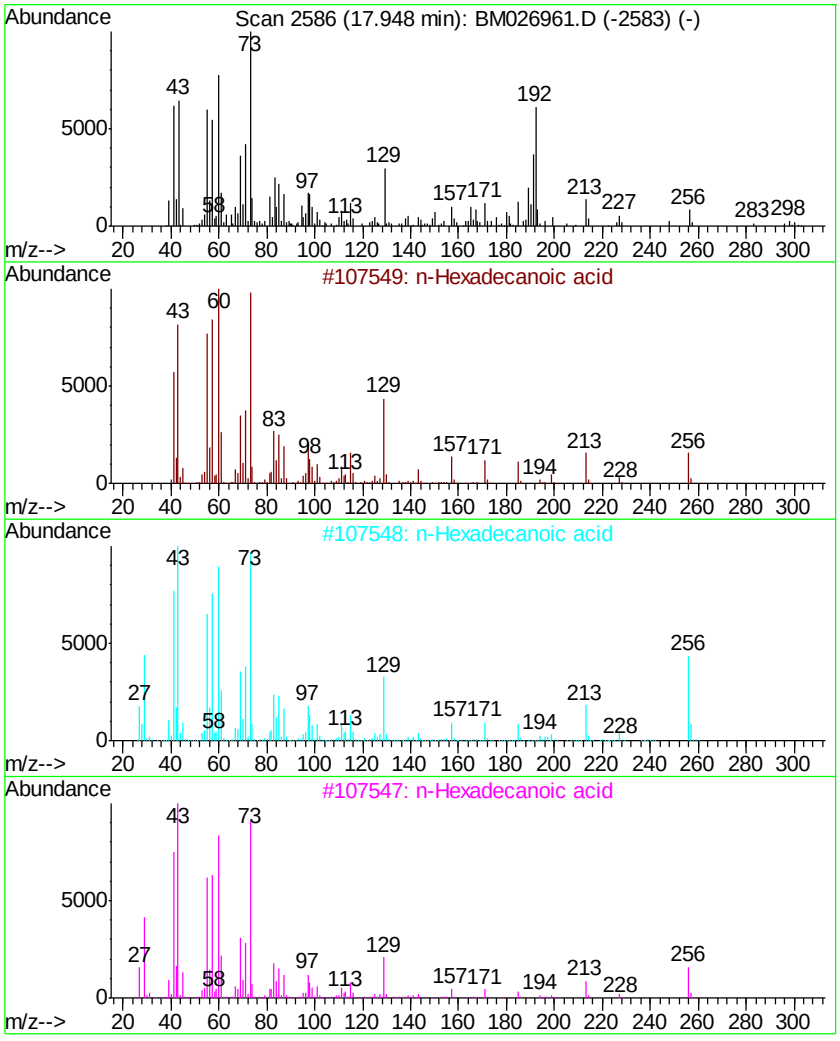
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

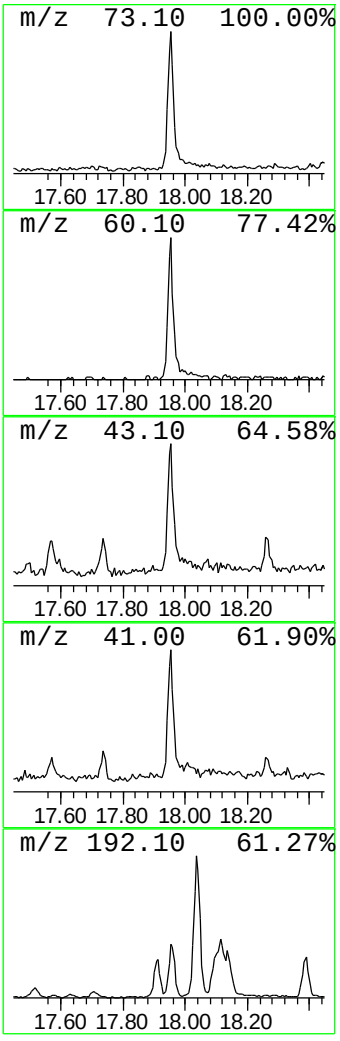
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	3.67 ng/ul	268706	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Tridecanoic acid	214	C13H26O2	000638-53-9	60





Library Search Compound Report

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Data File : BM026961.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S78

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

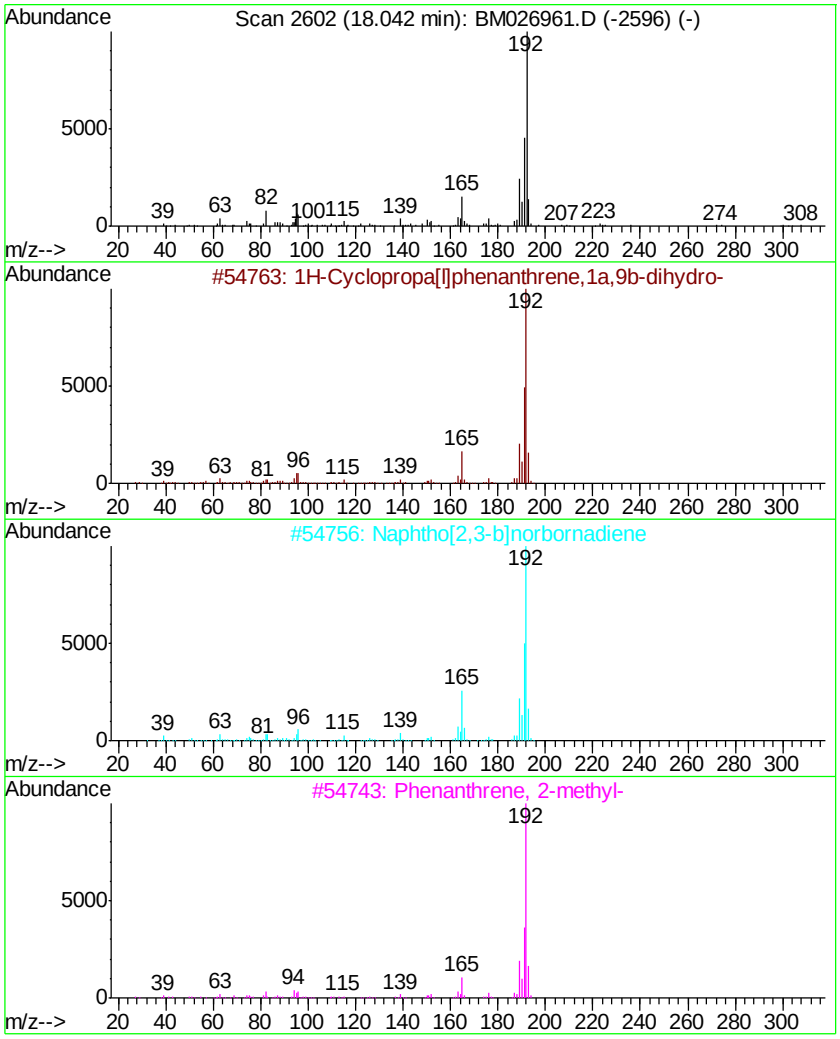
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

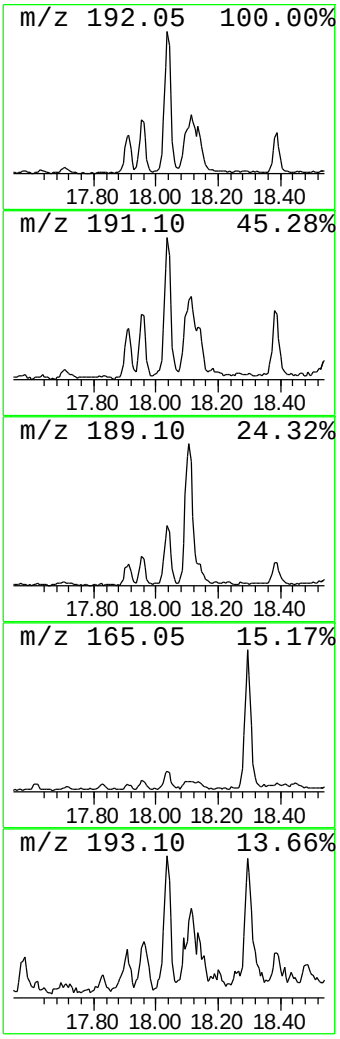
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	2.33 ng/ul	170424	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : L3424-03 5X
Misc :
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ClientSampleId : C0S78

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Quant Title : SVOA CALIBRATION

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

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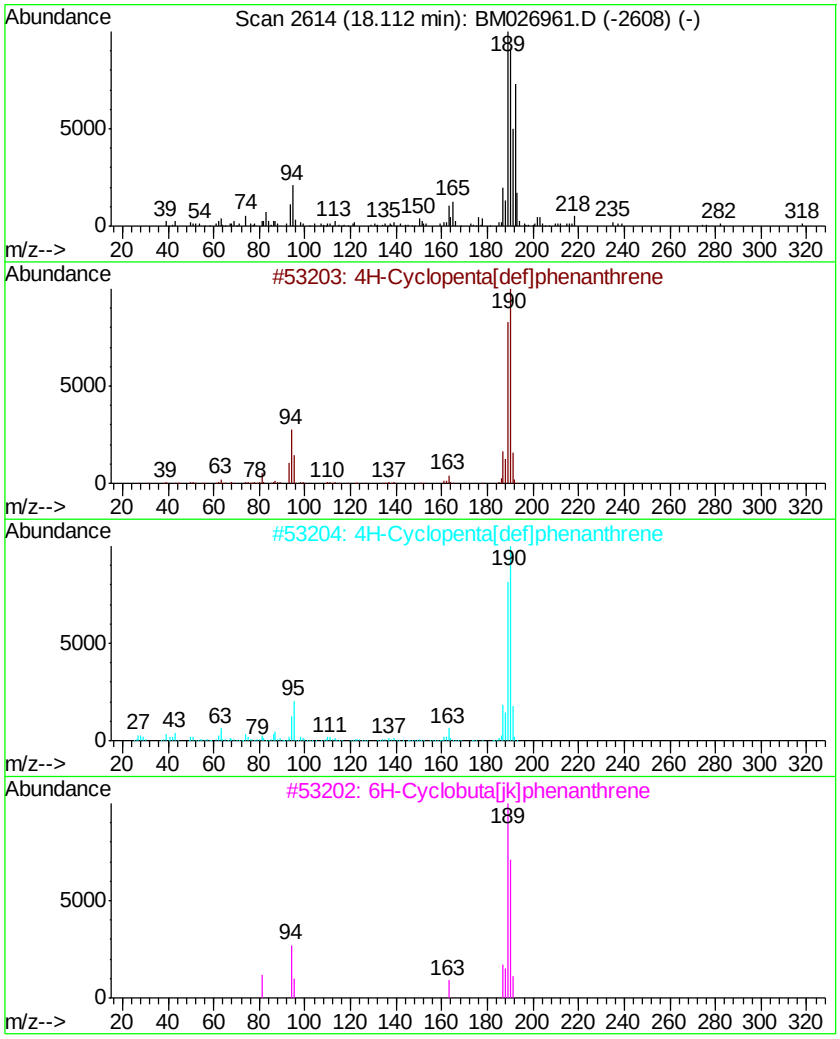
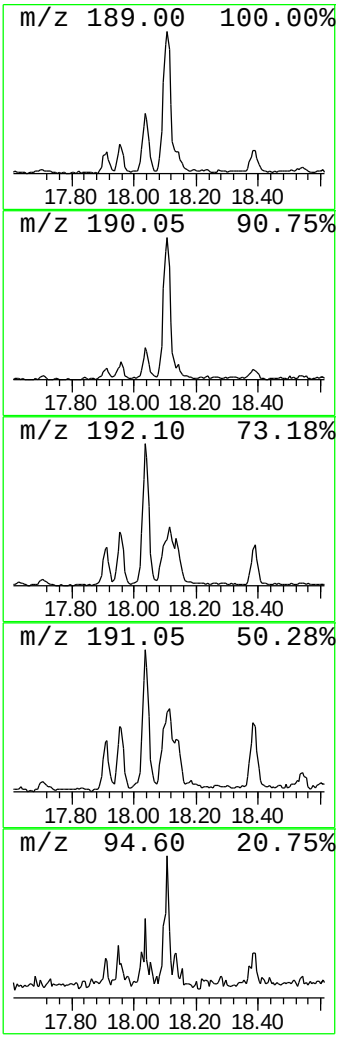
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	3.50 ng/ul	256140	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	47
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	47





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Instrument : BNA_M
ClientSampleId : C0S78

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Quant Title : SVOA CALIBRATION

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

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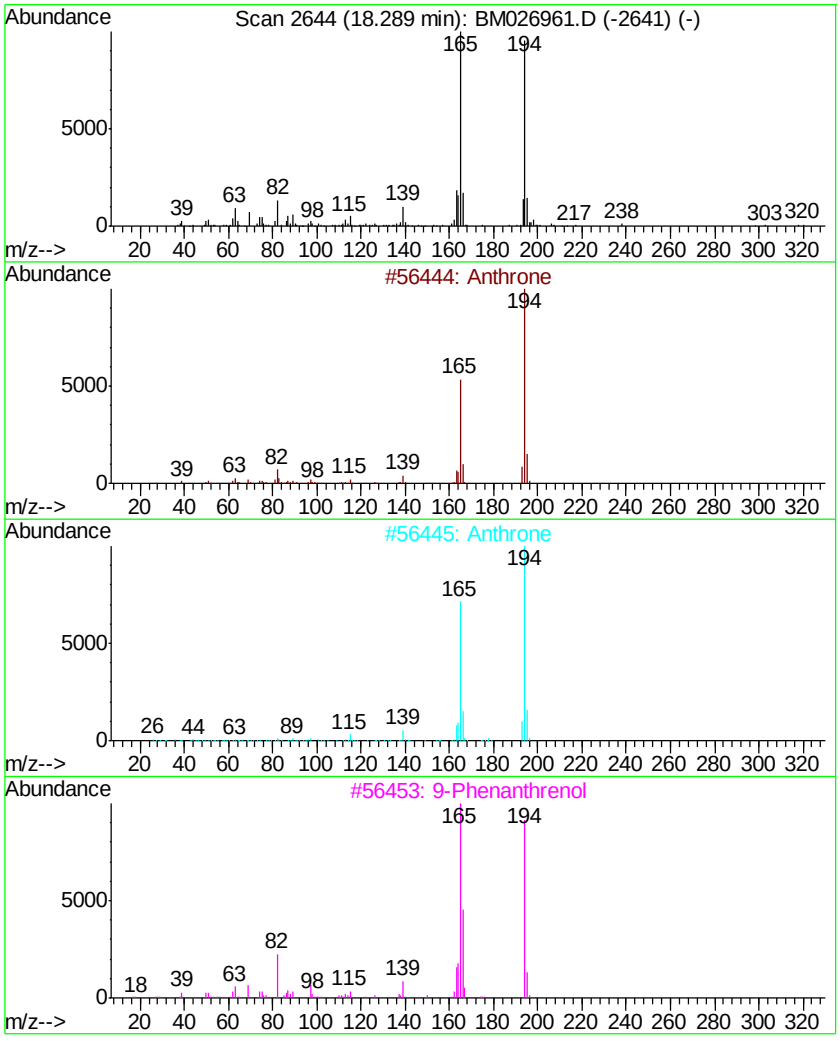
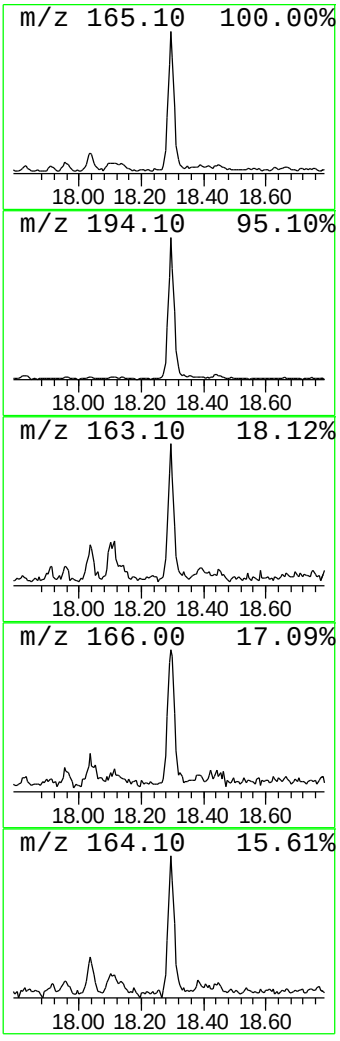
Peak Number 7 Anthrone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	2.87 ng/ul	209864	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	94
2	Anthrone	194	C14H10O	000090-44-8	91
3	9-Phenanthrenol	194	C14H10O	000484-17-3	90
4	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	90
5	3-Phenanthrol	194	C14H10O	000605-87-8	90





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Quant Title : SVOA CALIBRATION

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

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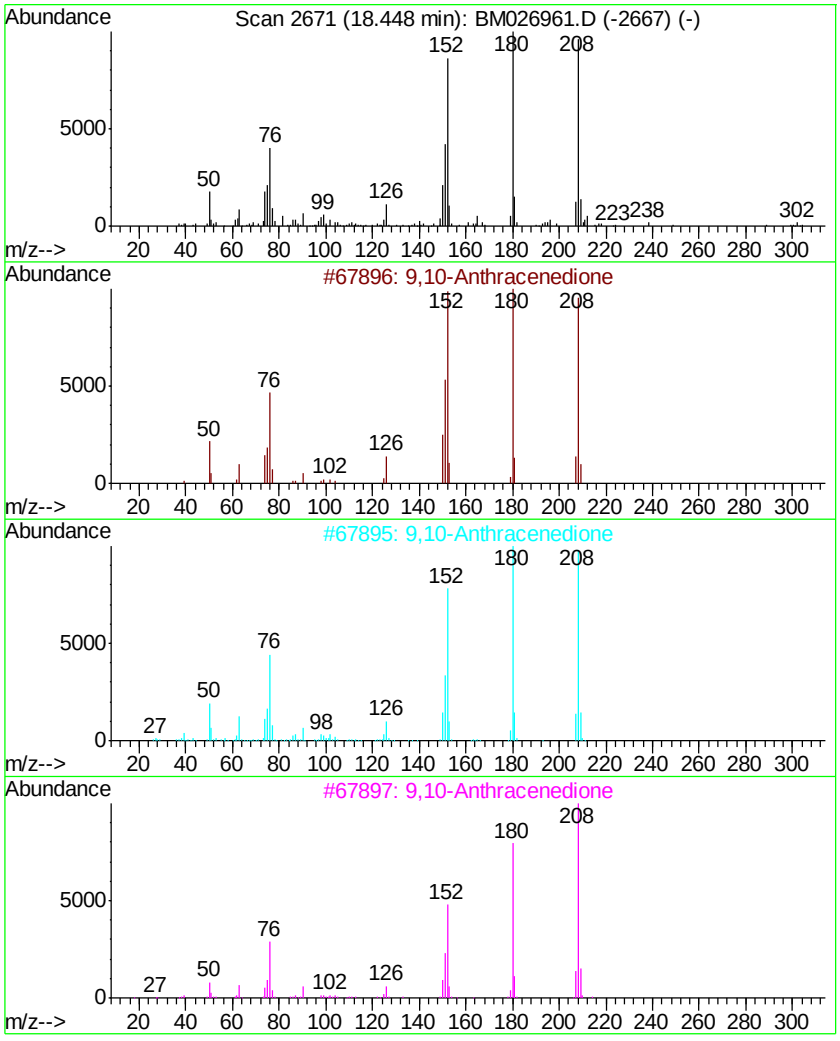
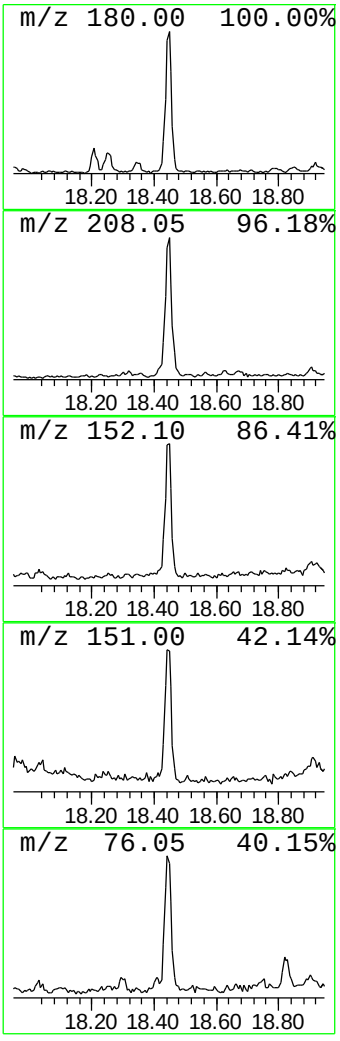
Peak Number 8 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	2.62 ng/ul	191436	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	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78





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Quant Title : SVOA CALIBRATION

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

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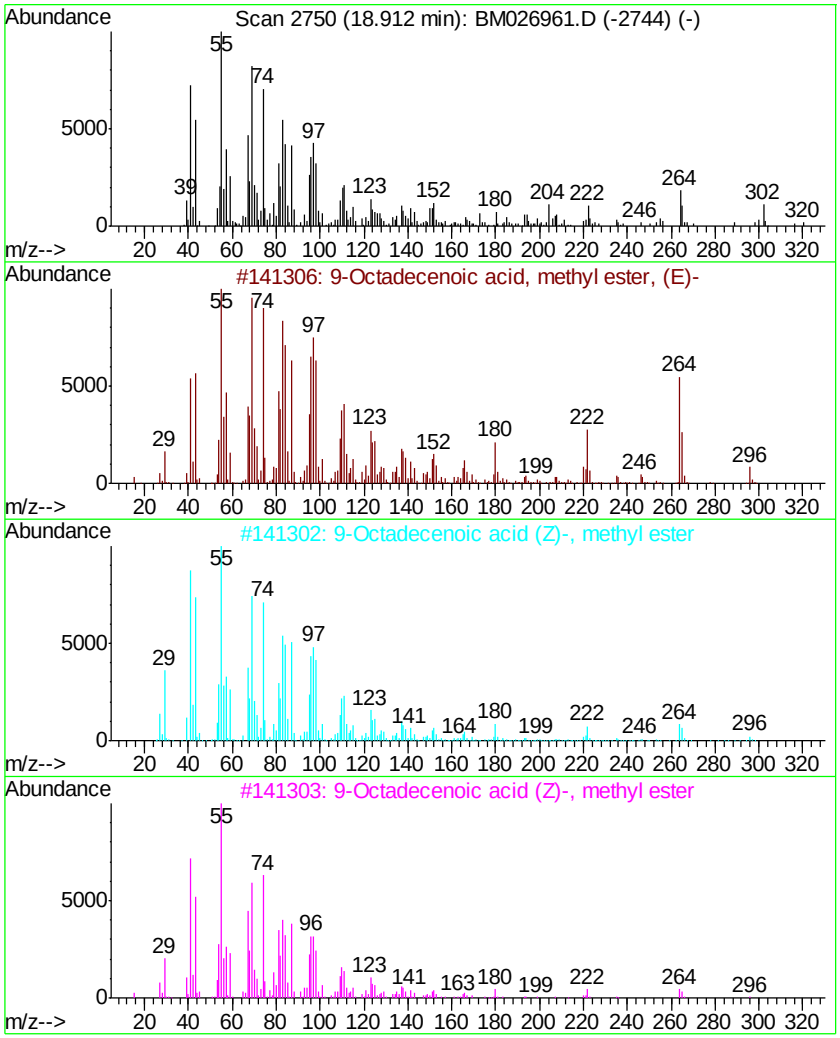
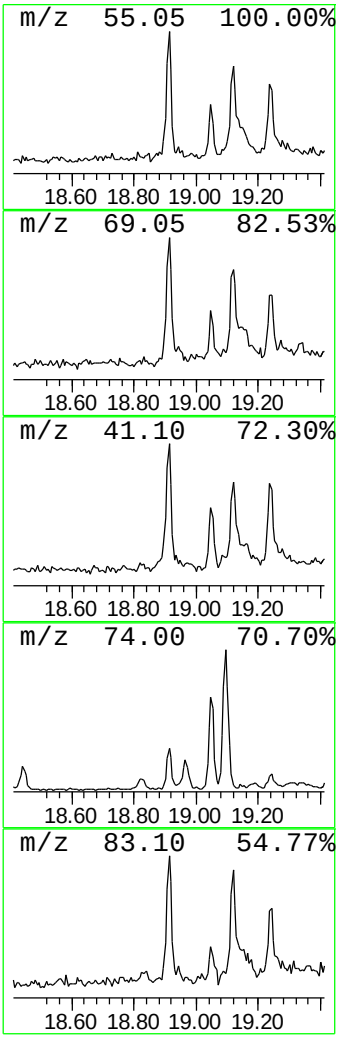
Peak Number 9 9-Octadecenoic acid, methyl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	3.54 ng/ul	258976	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	91
2	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	91
3	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	89
4	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	83
5	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	64





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Quant Title : SVOA CALIBRATION

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

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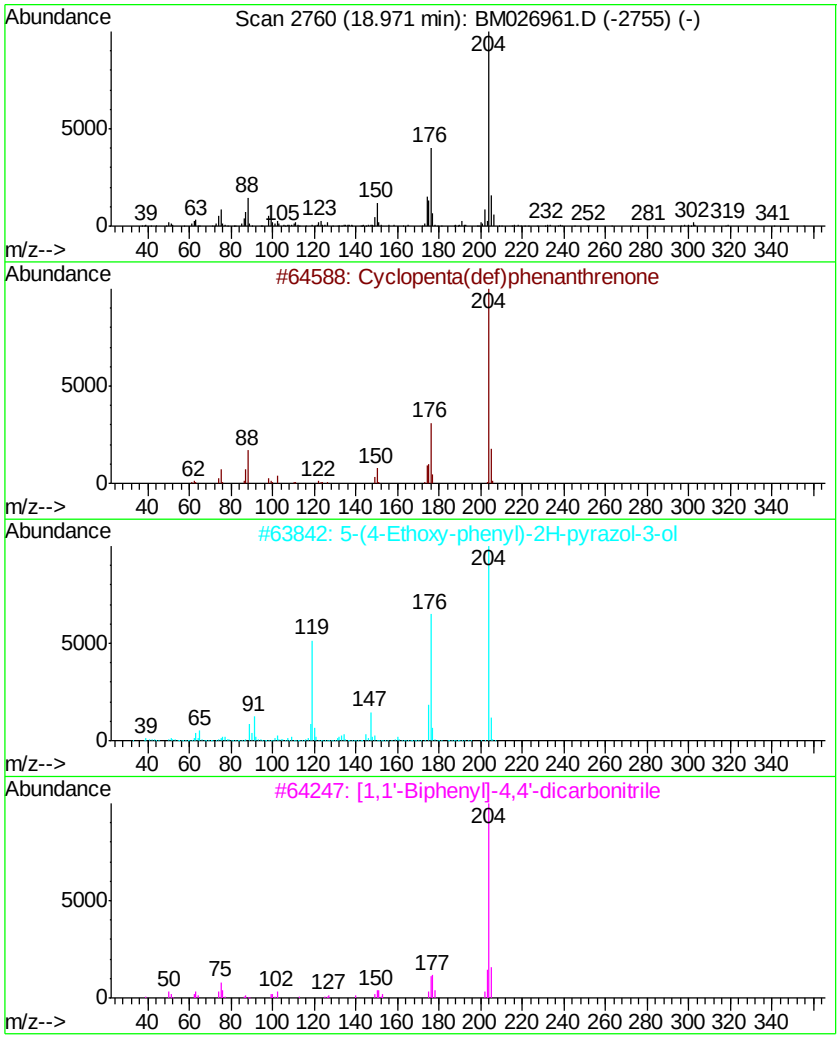
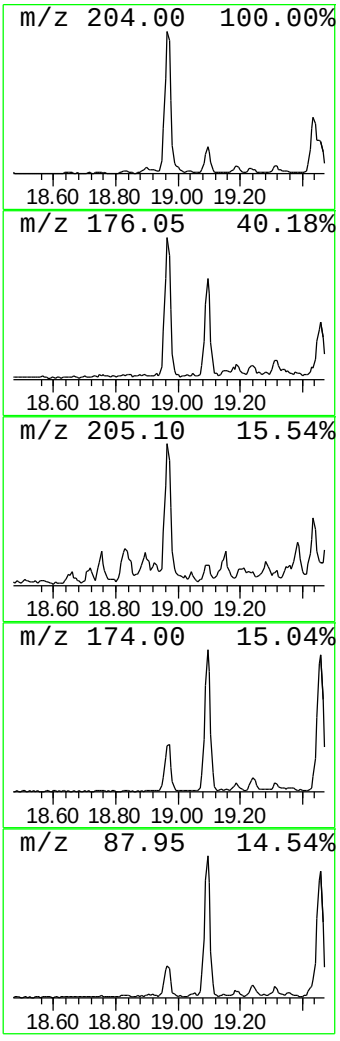
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	4.25 ng/ul	310992	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
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	50
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49





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Quant Title : SVOA CALIBRATION

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

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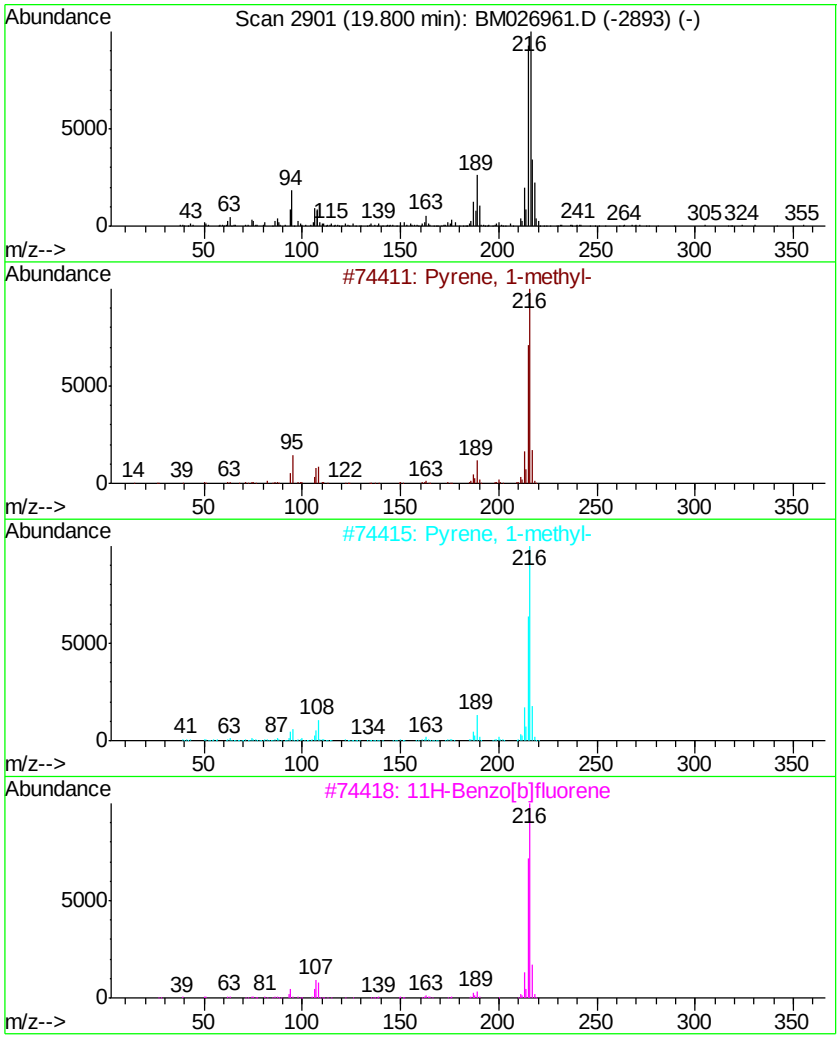
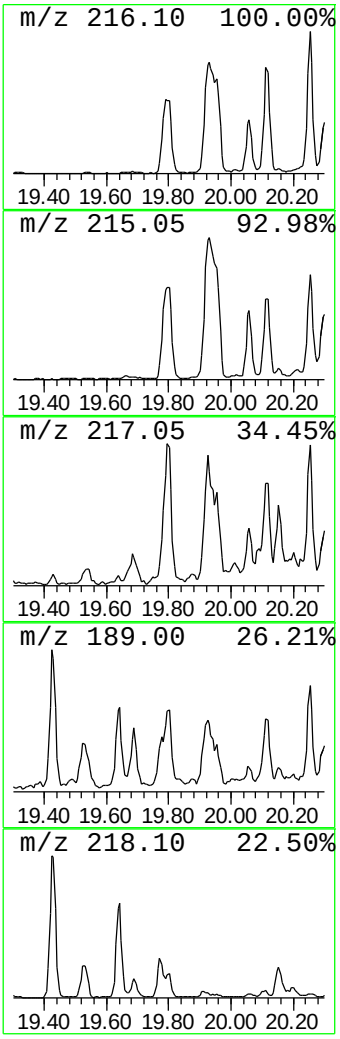
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	2.16 ng/ul	515195	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	68
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64





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Quant Title : SVOA CALIBRATION

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

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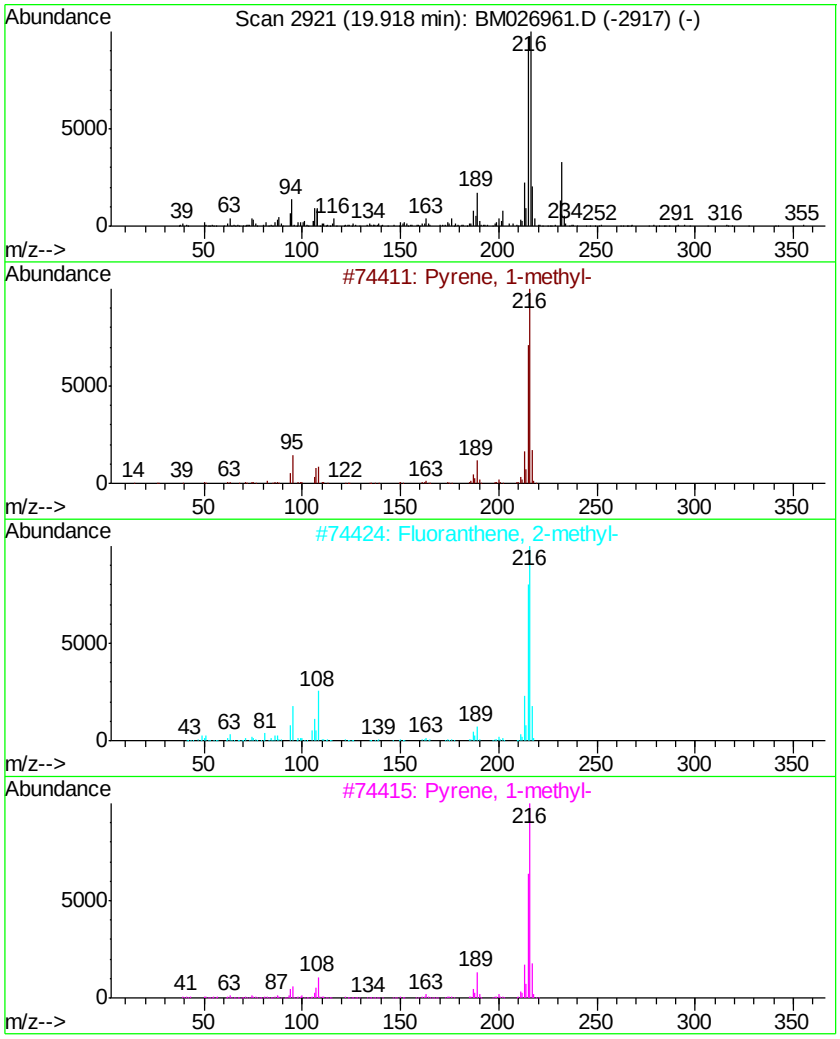
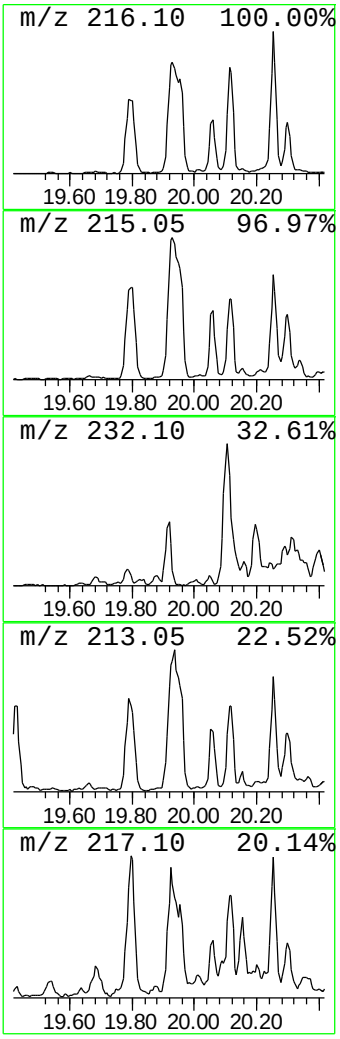
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	3.82 ng/ul	911287	Chrysene-d12	21.22

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





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Quant Title : SVOA CALIBRATION

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

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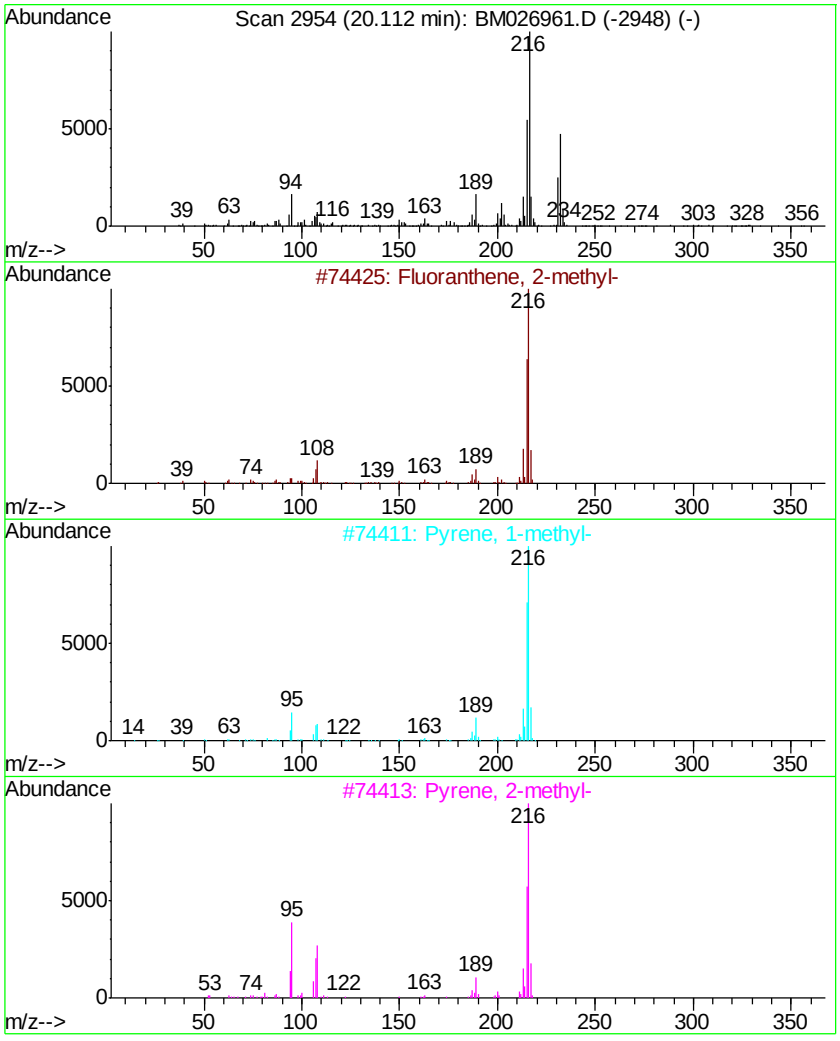
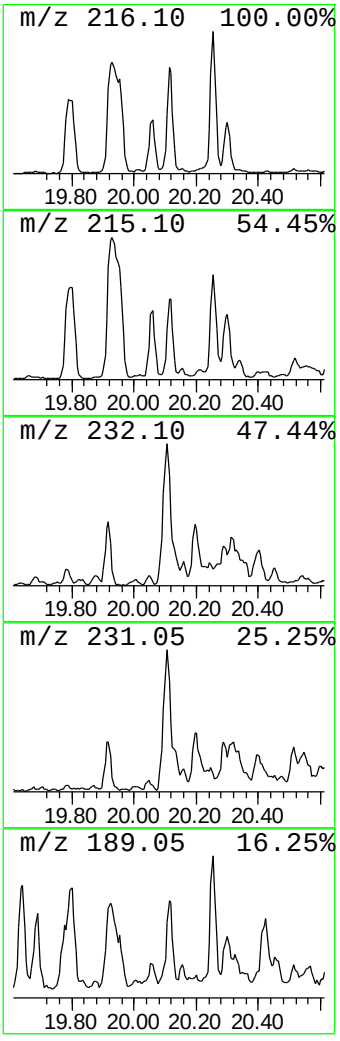
Peak Number 13 Pyrene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	2.23 ng/ul	532235	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64





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Quant Title : SVOA CALIBRATION

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

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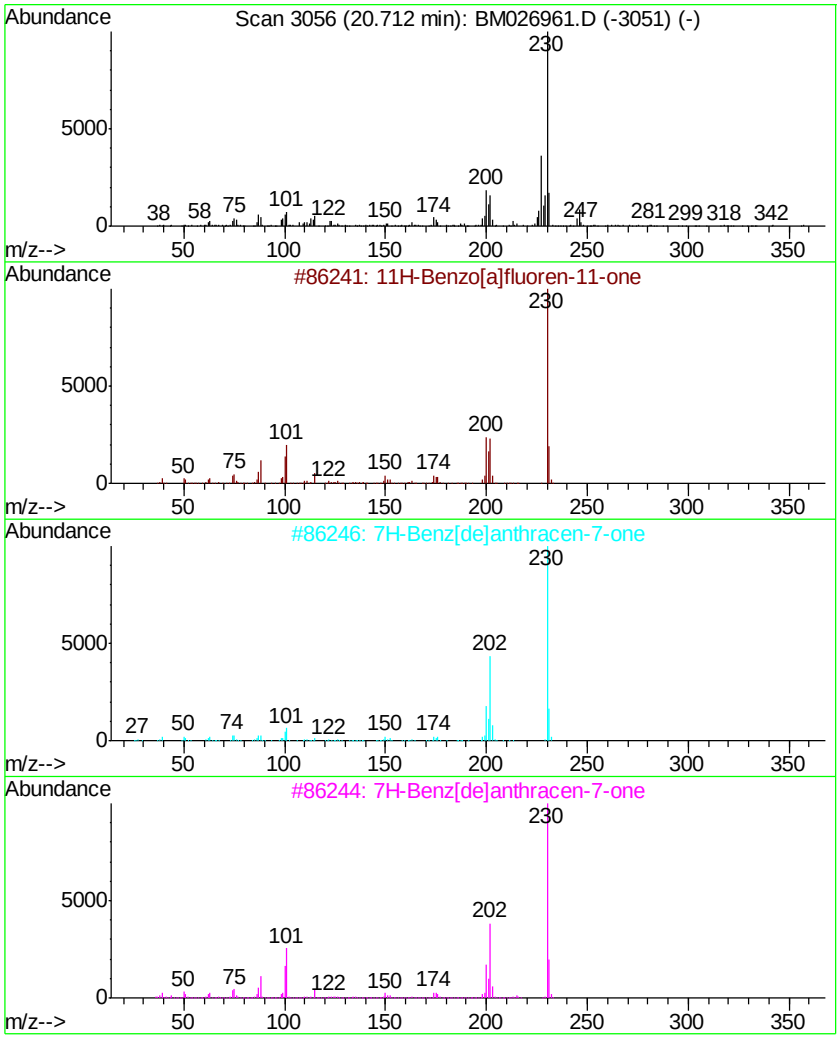
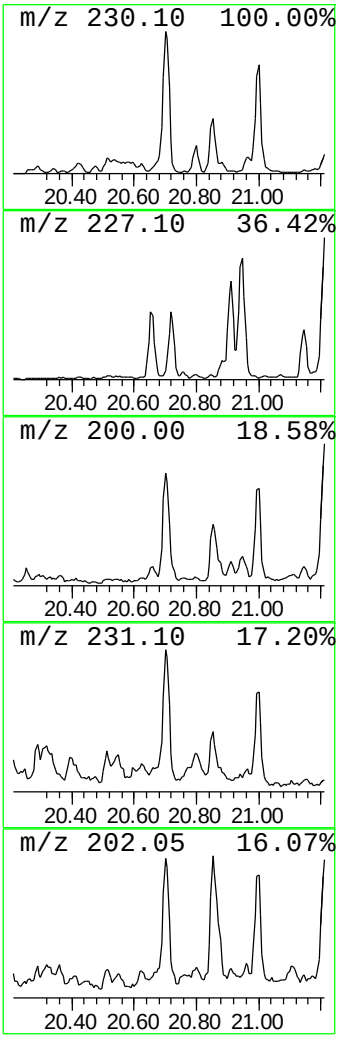
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.71	2.48 ng/ul	592377	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
4	p-Terphenyl	230	C18H14	000092-94-4	58
5	m-Terphenyl	230	C18H14	000092-06-8	53





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Quant Title : SVOA CALIBRATION

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

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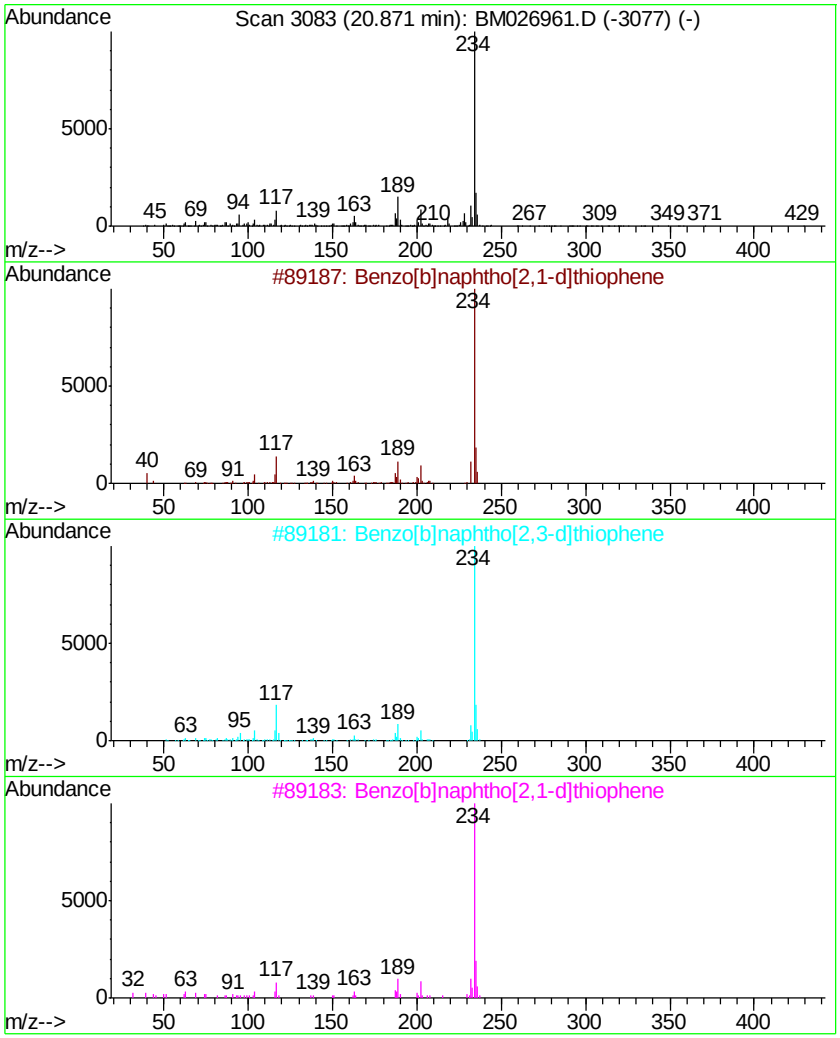
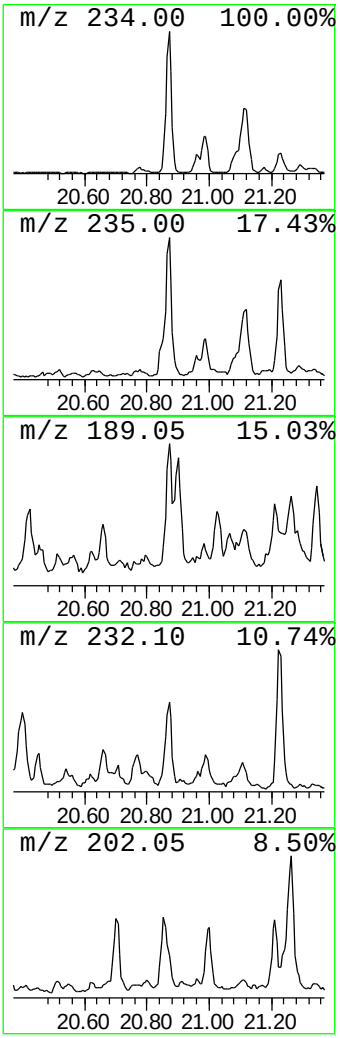
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	2.57 ng/ul	613710	Chrysene-d12	21.22

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[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5	1,9,12-Trioxa-4,6-diazacyclotetr...	234	C9H18N2O3S	075491-64-4	93





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TIC Integration Parameters: LSCINT.P

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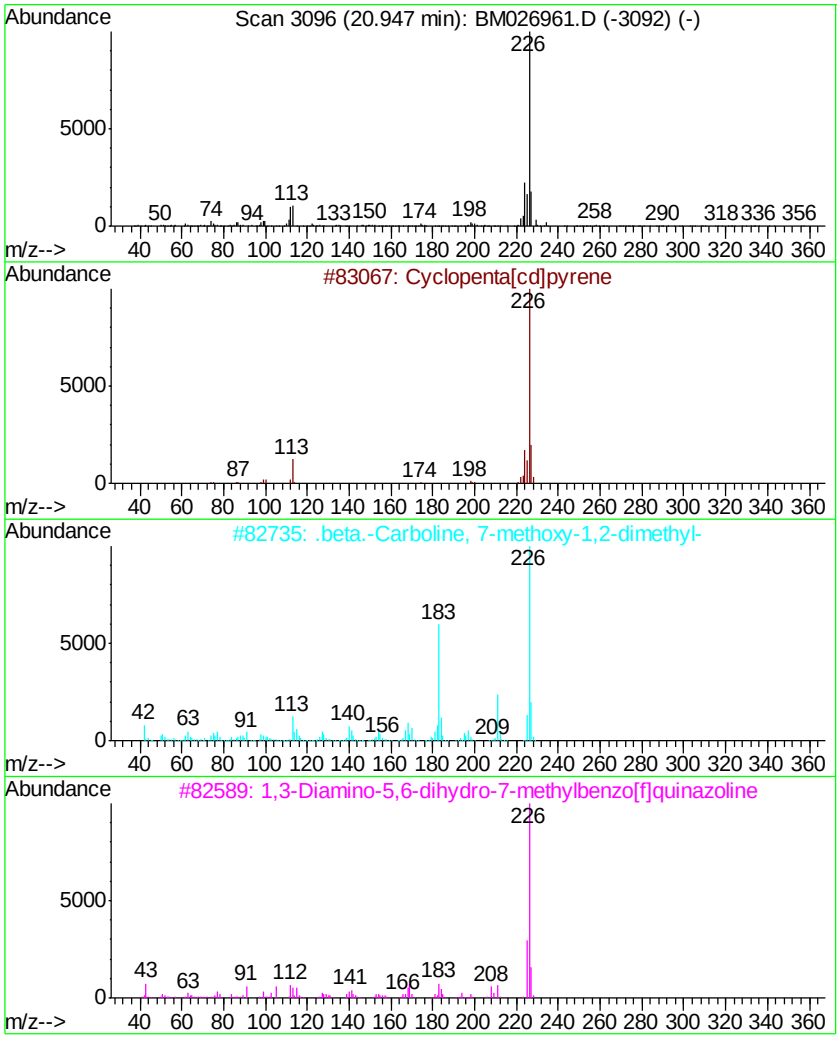
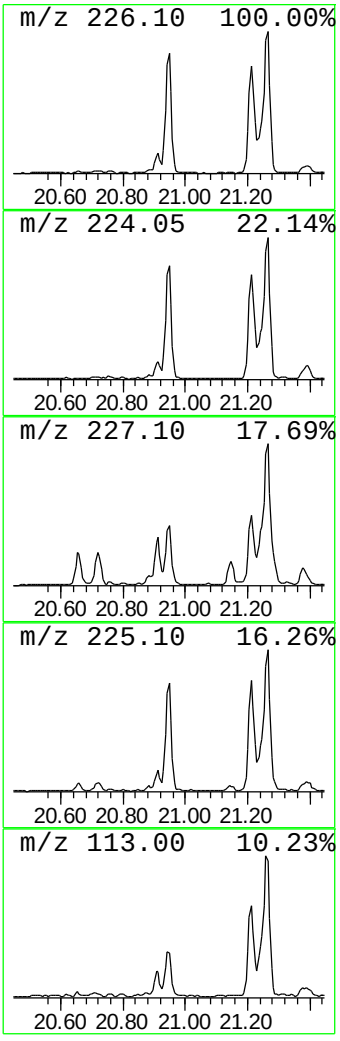
Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	4.50 ng/ul	1074420	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	68
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	53
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	52
5	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	37





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ClientSampleId : C0S78

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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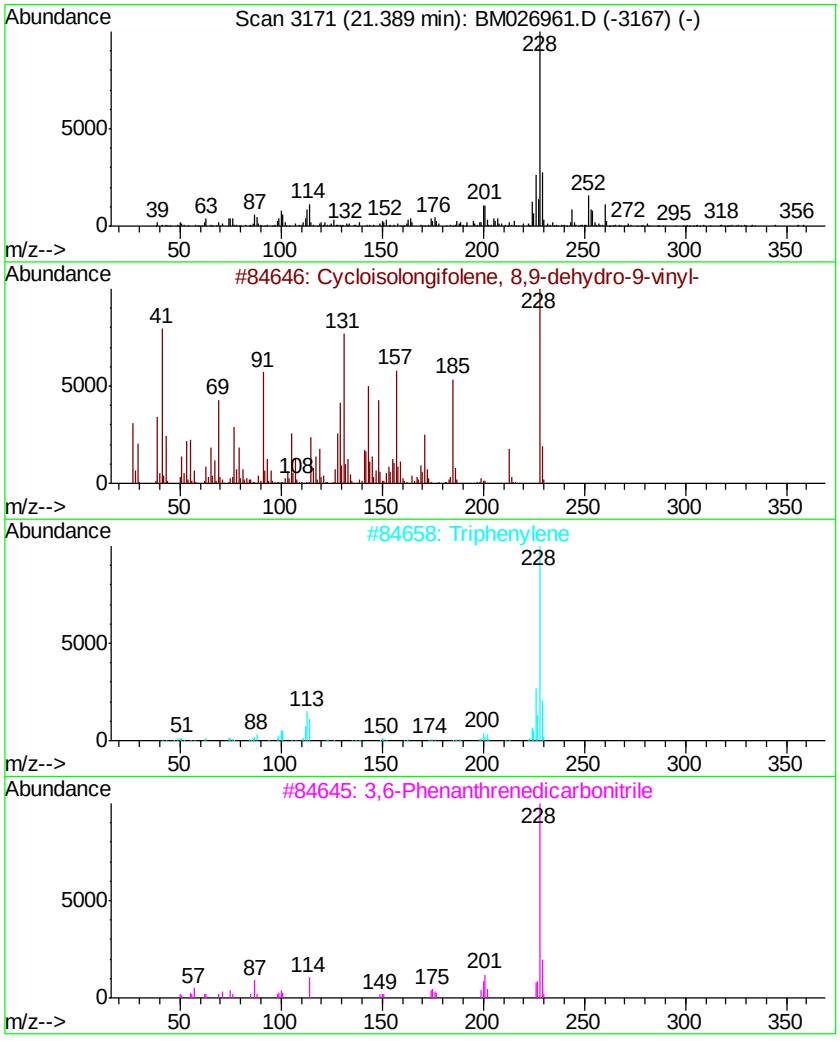
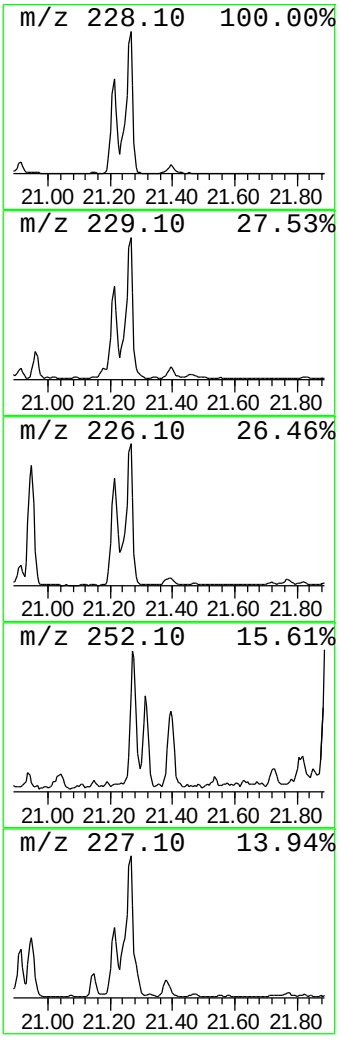
Peak Number 17 Cycloisolongifolene, 8,9-de... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.39	2.09 ng/ul	499076	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloisolongifolene, 8,9-dehydro...	228	C17H24	1000151-80-0	87
2	Triphenylene	228	C18H12	000217-59-4	60
3	3,6-Phenanthrenedicarbonitrile	228	C16H8N2	018930-78-4	60
4	Benz[a]anthracene	228	C18H12	000056-55-3	53
5	Chrysene	228	C18H12	000218-01-9	53





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Data File : BM026961.D
Acq On : 31 Jul 2020 16:51
Operator : JU/CG
Sample : L3424-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S78

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Quant Title : SVOA CALIBRATION

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

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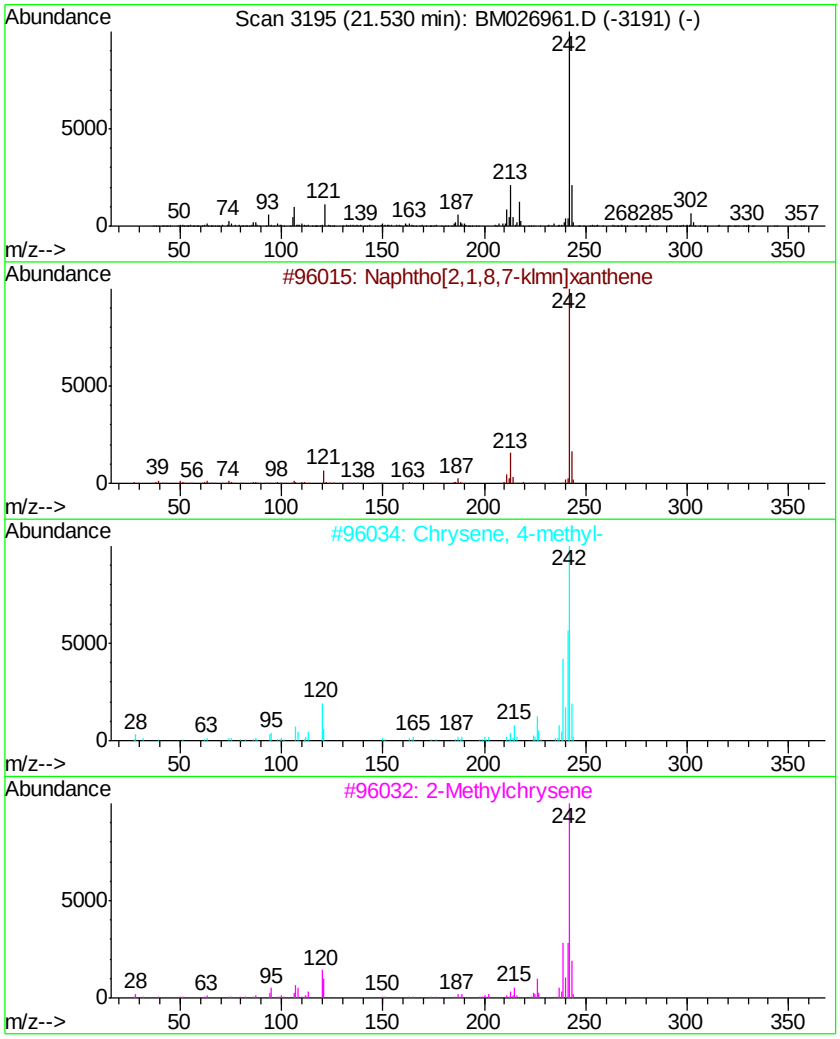
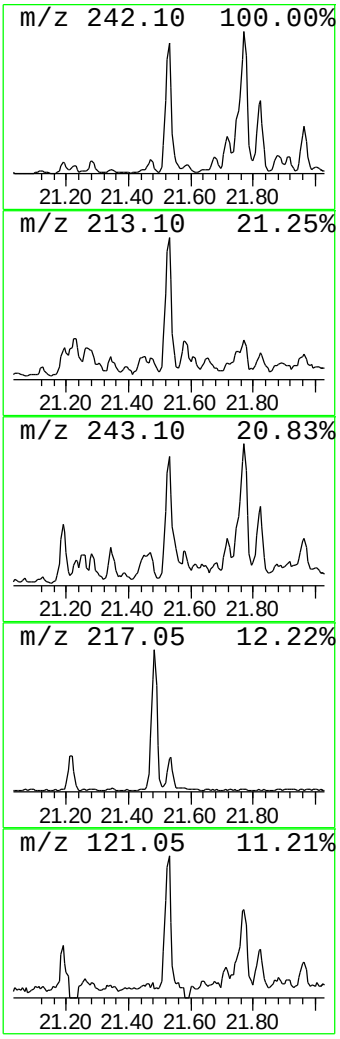
Peak Number 18 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.53	2.46 ng/ul	587237	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	90
2	Chrysene, 4-methyl-	242	C19H14	003351-30-2	53
3	2-Methylchrysene	242	C19H14	003351-32-4	53
4	4,4'-Dimethoxy-2,2'-dimethylbiph...	242	C16H18O2	046873-19-2	52
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	50





Library Search Compound Report

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Misc :
ALS Vial : 9 Sample Multiplier: 1

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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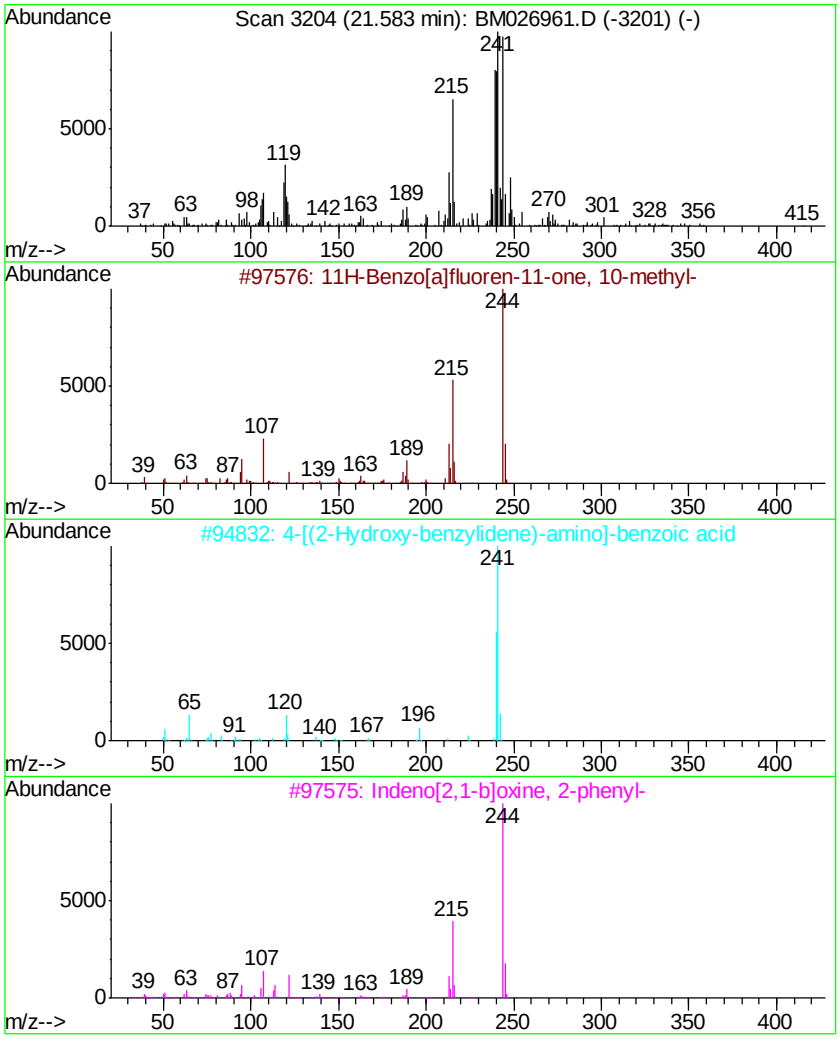
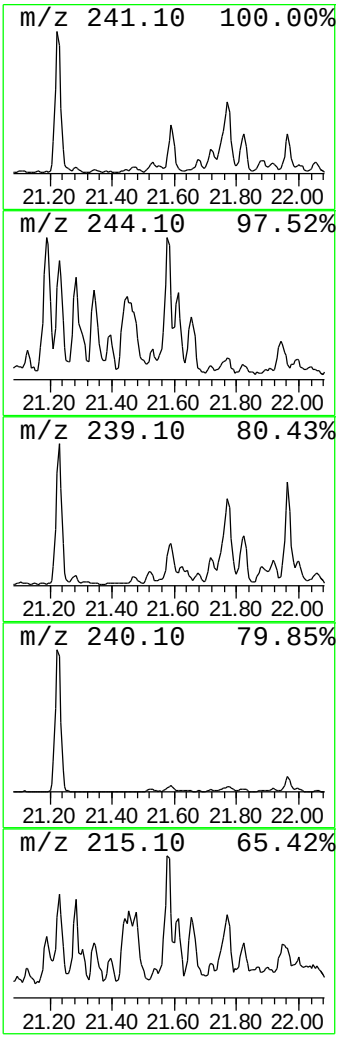
Peak Number 19 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	2.05 ng/ul	488955	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one, 10-m...	244	C18H12O	054811-45-9	44
2	4-[(2-Hydroxy-benzylidene)-amino...	241	C14H11NO3	000788-24-9	27
3	Indeno[2,1-b]oxine, 2-phenyl-	244	C18H12O	010435-67-3	25
4	Cyclohexane, hexaethylidene-	240	C18H24	001482-93-5	25
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	240	C17H20O	015087-24-8	22





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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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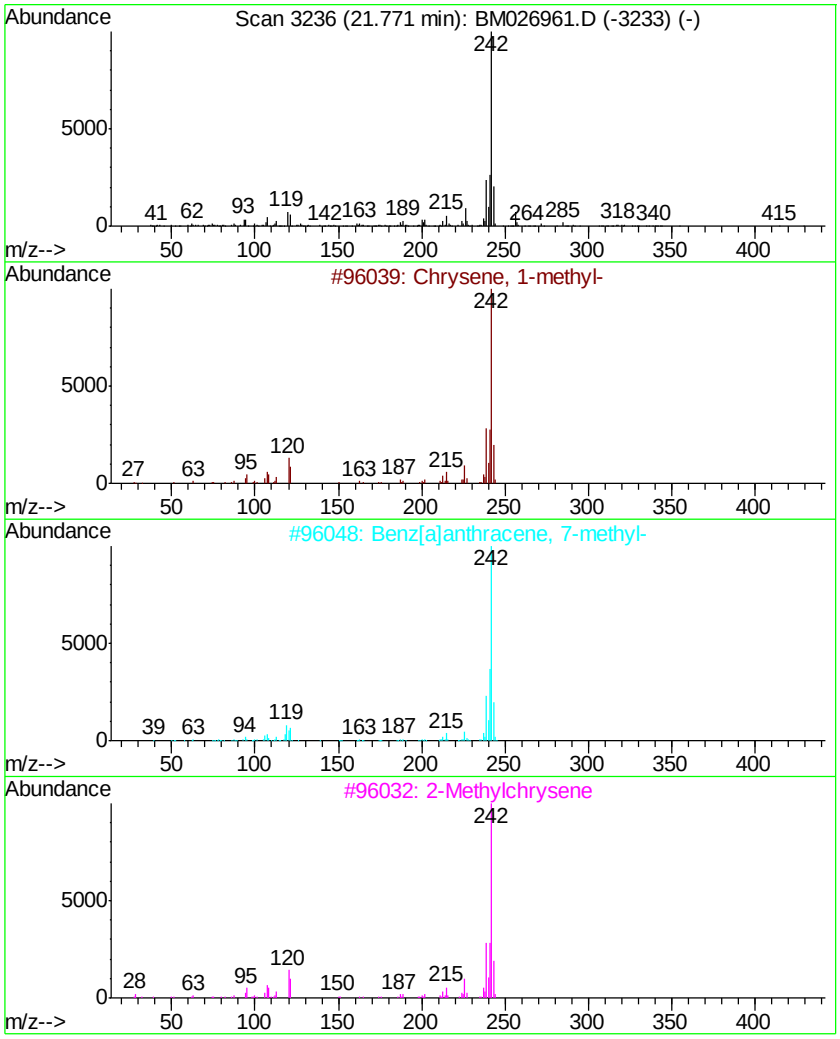
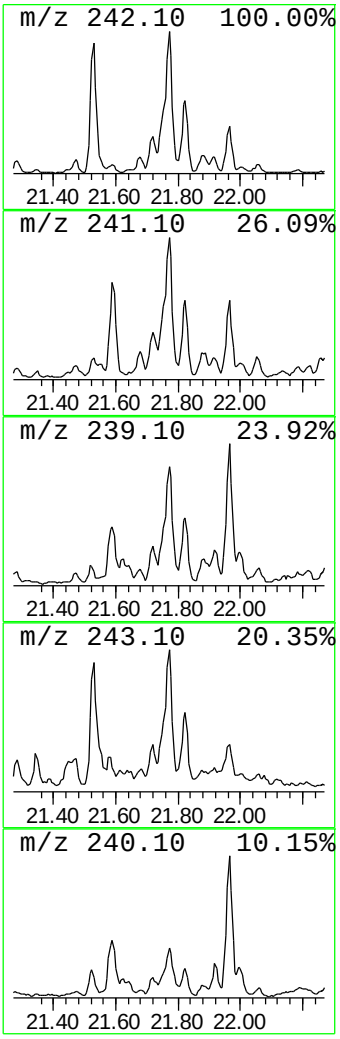
Peak Number 20 Chrysene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	2.41 ng/ul	574353	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	2-Methylchrysene	242	C19H14	003351-32-4	93
4	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	93
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90





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Operator : JU/CG
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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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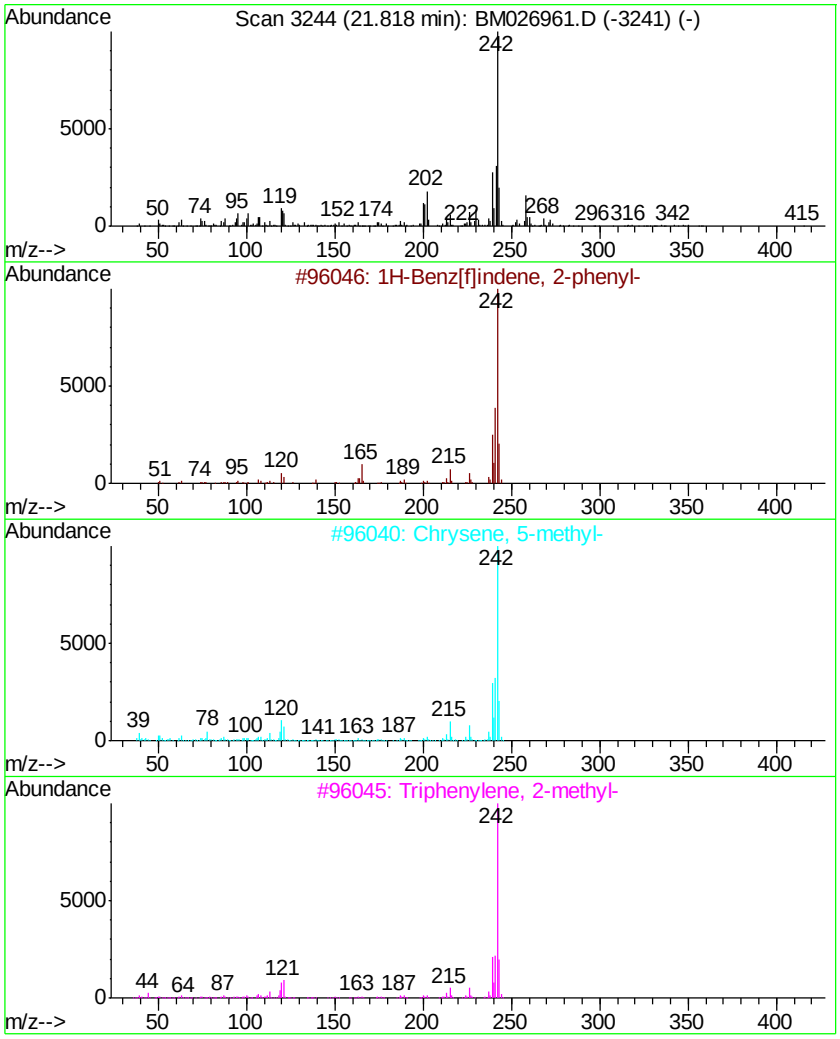
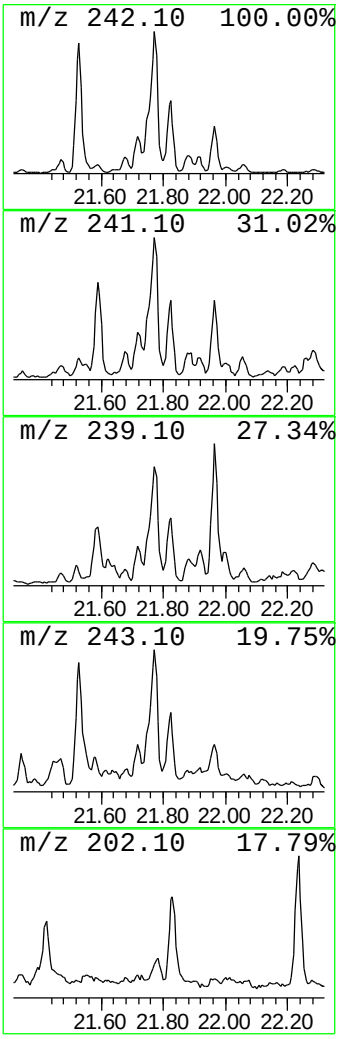
Peak Number 21 1H-Benz[f]indene, 2-phenyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.82	2.17 ng/ul	517078	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	95
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	89





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Operator : JU/CG
Sample : L3424-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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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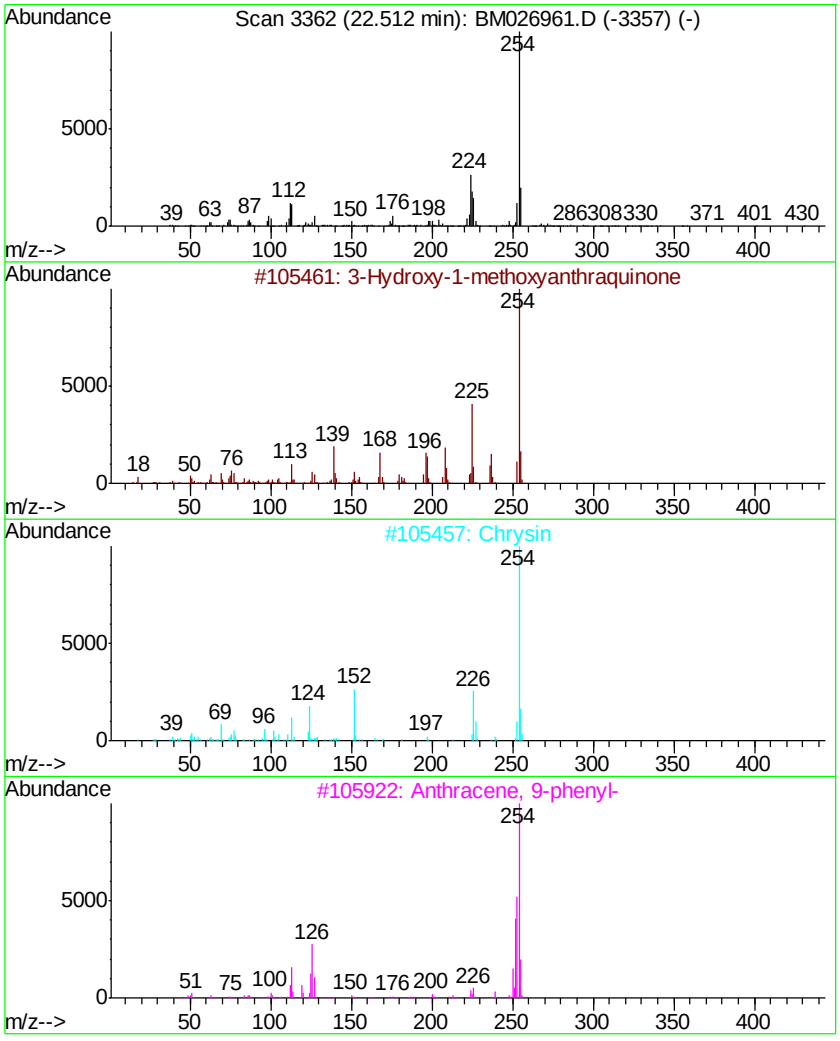
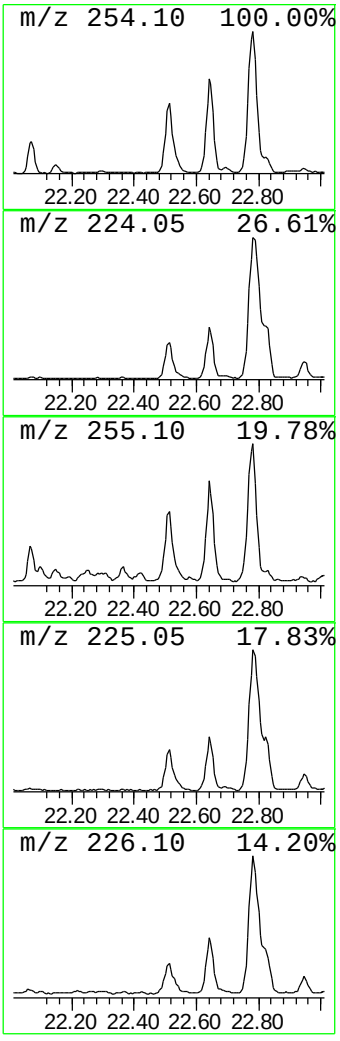
Peak Number 22 3-Hydroxy-1-methoxyanthraqu... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.51	15.84 ng/ul	1223390	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	64
2	Chrysin	254	C15H10O4	000480-40-0	53
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	53
4	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	53
5	Chrysin	254	C15H10O4	000480-40-0	53





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Sample : L3424-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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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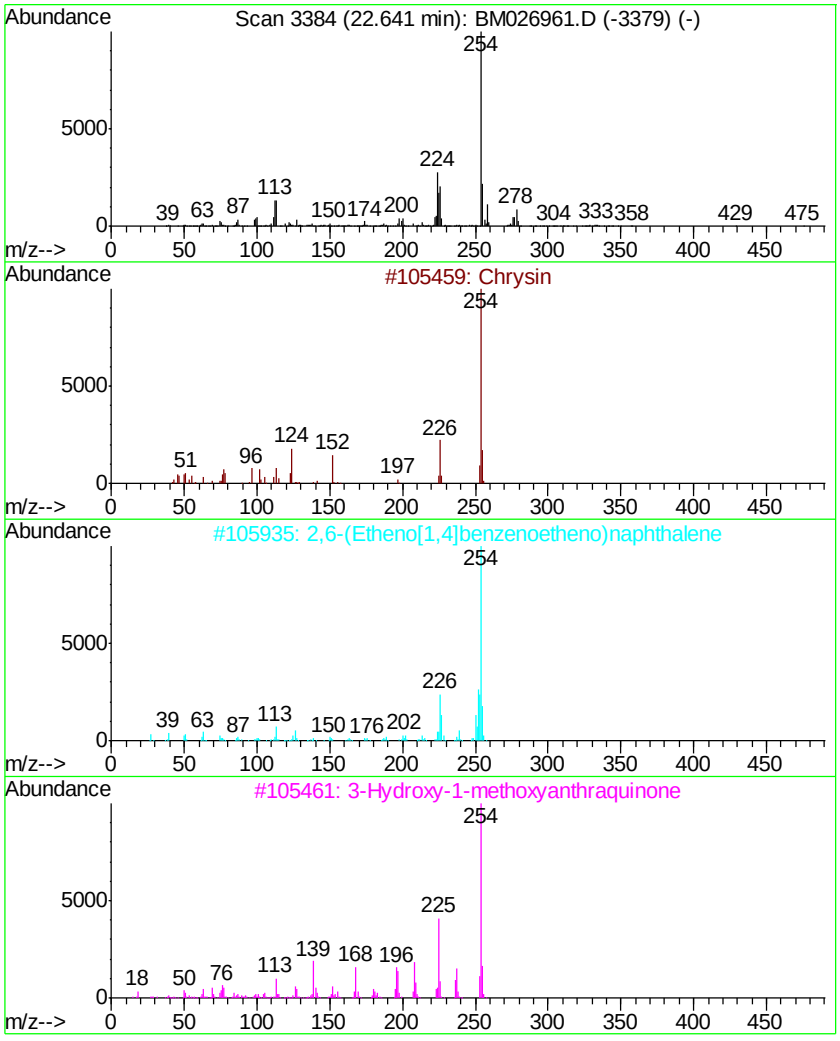
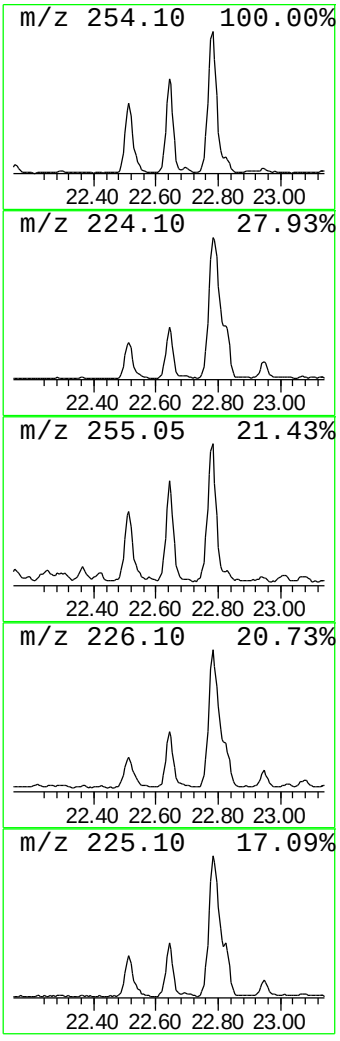
Peak Number 23 Chrysin Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	11.97 ng/ul	924564	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysin	254	C15H10O4	000480-40-0	58
2	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	53
3	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	49
4	Chrysin	254	C15H10O4	000480-40-0	47
5	2,2'-Binaphthalene	254	C20H14	000612-78-2	47





Library Search Compound Report

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Acq On : 31 Jul 2020 16:51
Operator : JU/CG
Sample : L3424-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S78

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Quant Title : SVOA CALIBRATION

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

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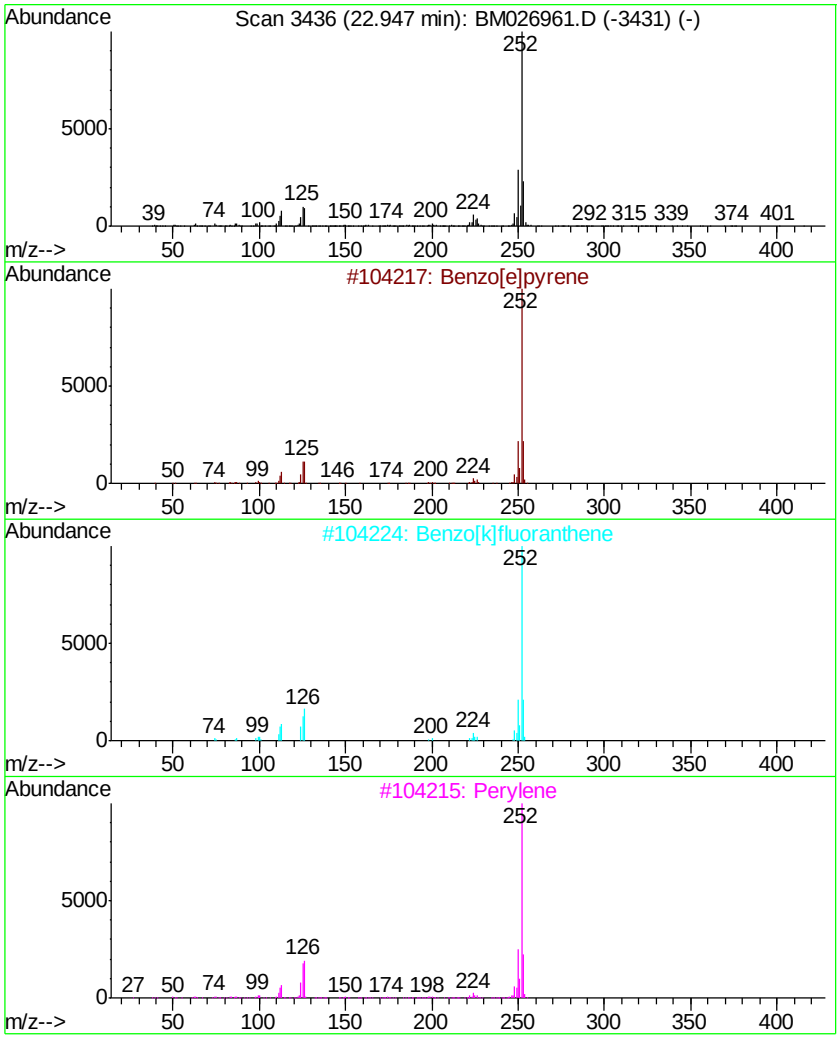
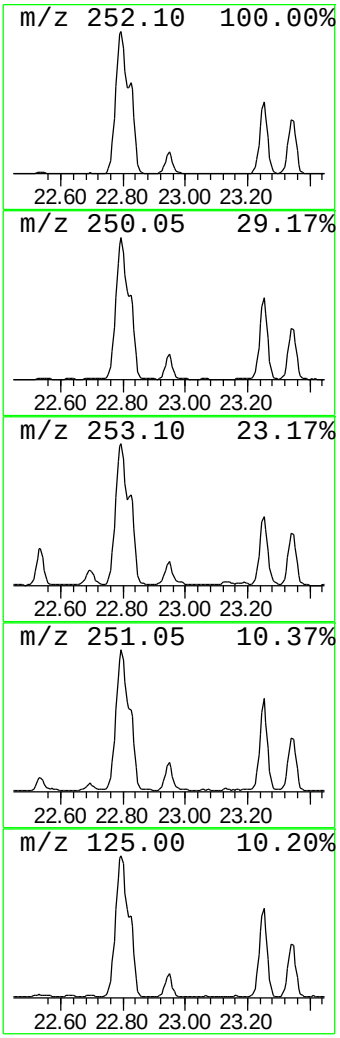
Peak Number 24 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.95	11.97 ng/ul	924699	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	92





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Misc :
ALS Vial : 9 Sample Multiplier: 1

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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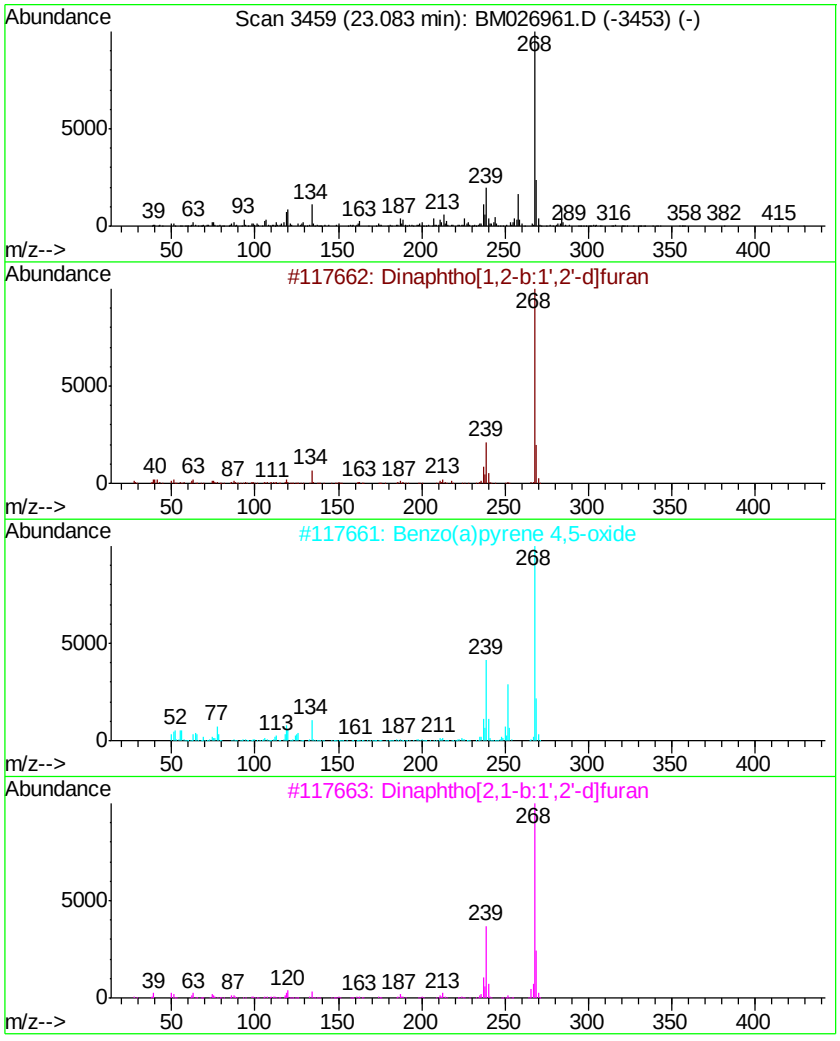
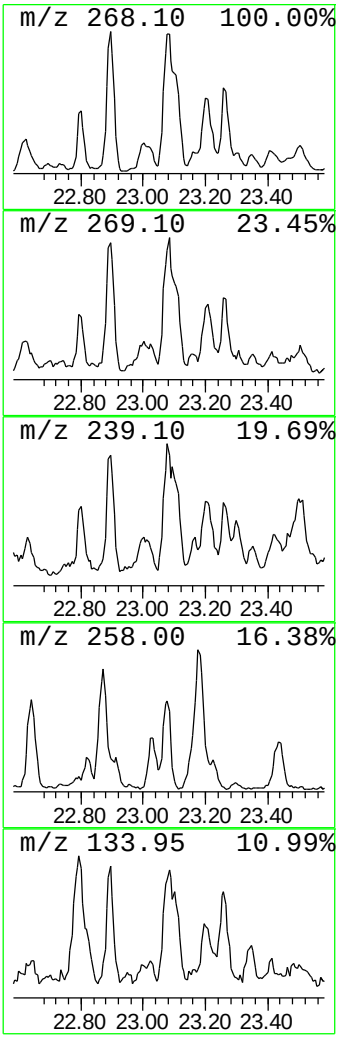
Peak Number 25 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.08	9.14 ng/ul	705587	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	80
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	74
4	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	72
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	59





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : C0S78

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Quant Title : SVOA CALIBRATION

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

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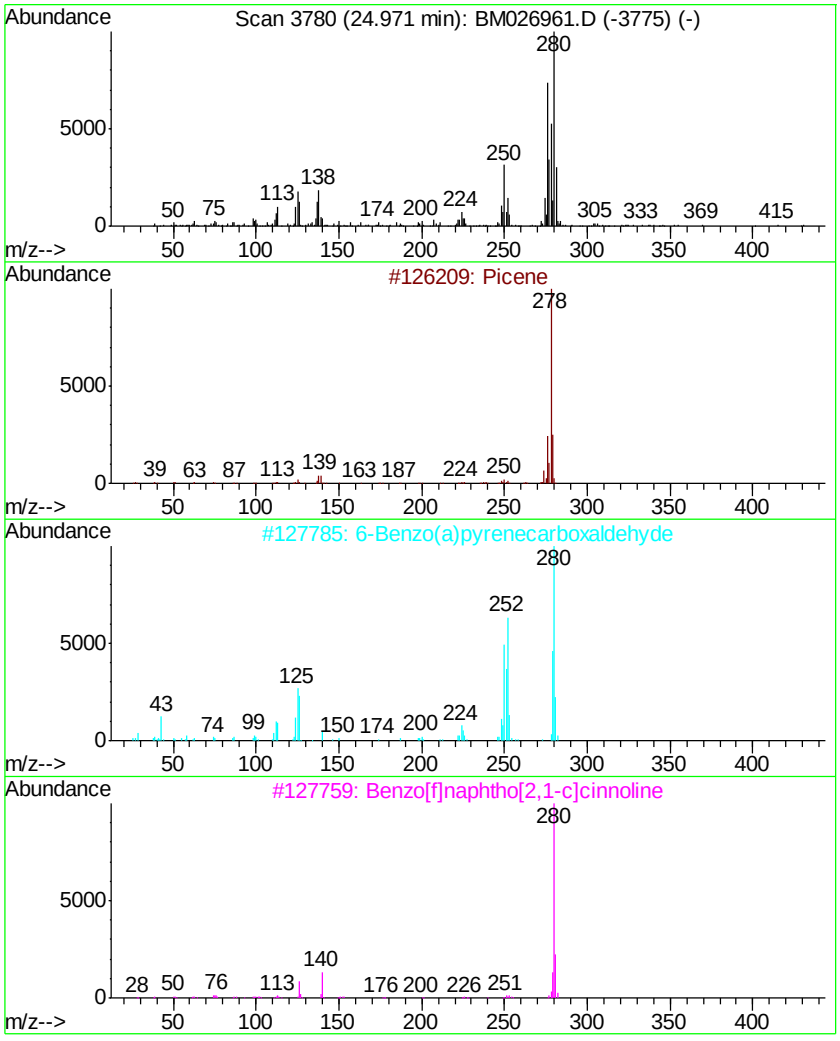
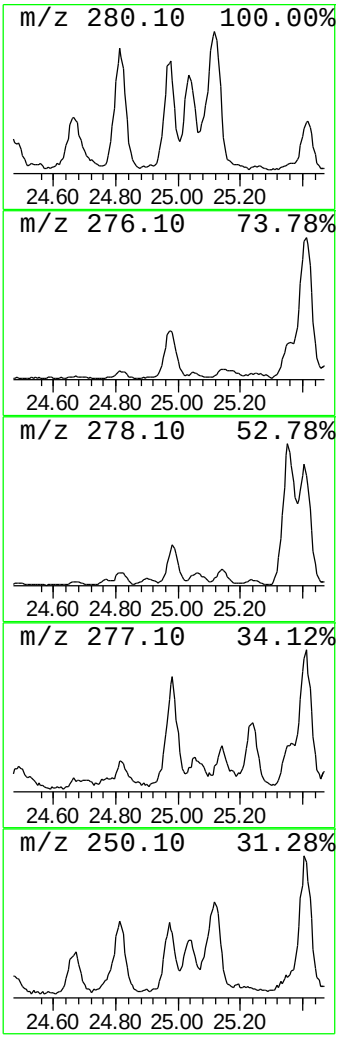
Peak Number 26 unknown-02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.97	6.15 ng/ul	475240	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	25
2	6-Benzo(a)pyrenecarboxaldehyde	280	C21H12O	013312-42-0	25
3	Benzo[f]naphtho[2,1-c]cinnoline	280	C20H12N2	000188-55-6	25
4	3-Benzo[1,2,5]thiadiazol-4-yl-3H...	280	C14H8N4OS	1000274-81-9	25
5	Benzene, 1,2-bis(2-pyridin-2-yle...	280	C20H12N2	350587-04-1	25





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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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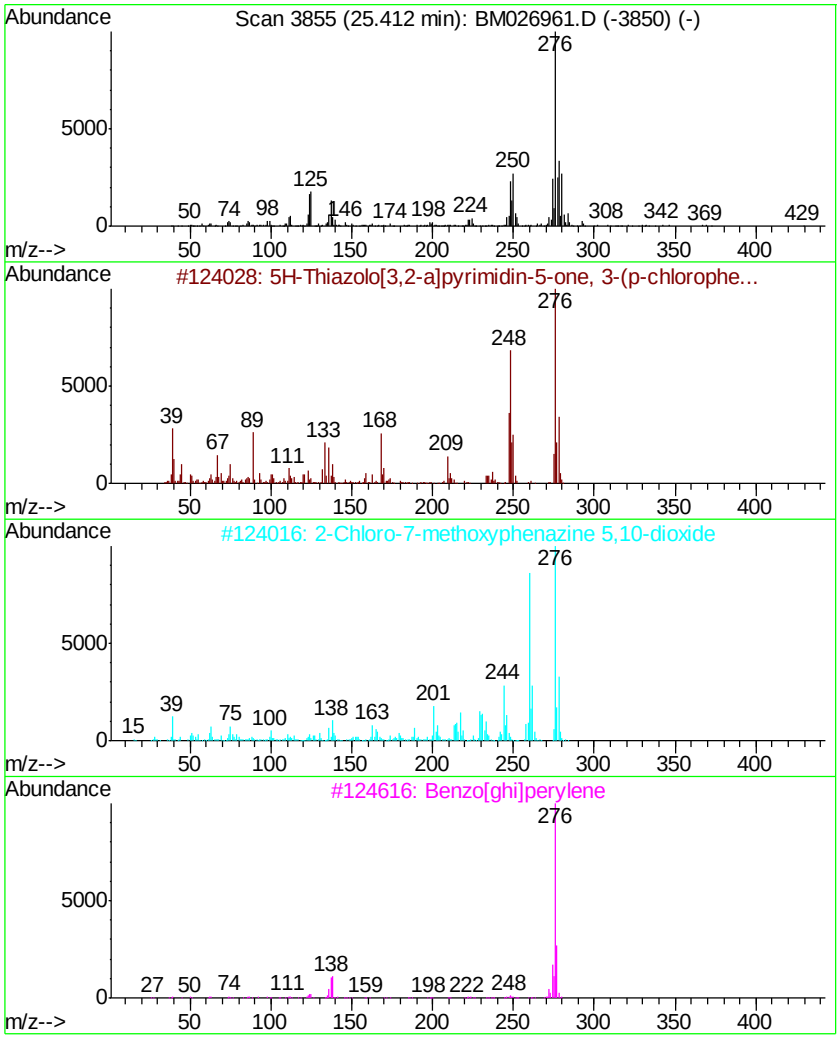
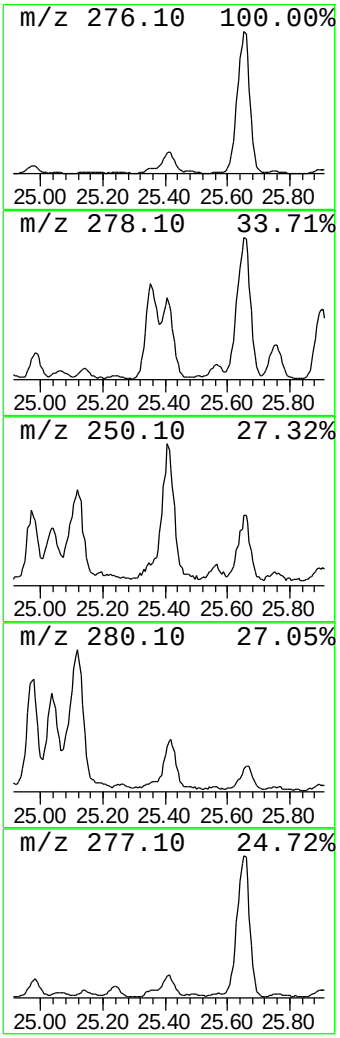
Peak Number 27 5H-Thiazolo[3,2-a]pyrimidin... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.41	13.40 ng/ul	1034990	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Thiazolo[3,2-a]pyrimidin-5-on...	276	C13H9ClN2OS	023429-91-6	53
2	2-Chloro-7-methoxyphenazine 5,10...	276	C13H9ClN2O3	023677-04-5	49
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	46
4	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	41
5	Benzo[ghi]perylene	276	C22H12	000191-24-2	41





Tentatively Identified Compound (LSC) summary

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Operator : JU/CG
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Misc :
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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

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	2.90	5.8	ng/ul	196061	1	7.66	681374	20.0
Butane, 2-methoxy...	2.98	22.4	ng/ul	764745	1	7.66	681374	20.0
Benzene, 1-propynyl-	8.20	3.8	ng/ul	128449	1	7.66	681374	20.0
n-Hexadecanoic acid	17.95	3.7	ng/ul	268706	4	17.04	1462800	20.0
1H-Cyclopropa[l]p...	18.04	2.3	ng/ul	170424	4	17.04	1462800	20.0
4H-Cyclopenta[def...	18.11	3.5	ng/ul	256140	4	17.04	1462800	20.0
Anthrone	18.29	2.9	ng/ul	209864	4	17.04	1462800	20.0
9,10-Anthracenedione	18.45	2.6	ng/ul	191436	4	17.04	1462800	20.0
9-Octadecenoic ac...	18.91	3.5	ng/ul	258976	4	17.04	1462800	20.0
Cyclopenta(def)ph...	18.97	4.3	ng/ul	310992	4	17.04	1462800	20.0
Pyrene, 1-methyl-	19.80	2.2	ng/ul	515195	5	21.22	4771680	20.0
Fluoranthene, 2-m...	19.92	3.8	ng/ul	911287	5	21.22	4771680	20.0
Pyrene, 2-methyl-	20.11	2.2	ng/ul	532235	5	21.22	4771680	20.0
11H-Benzo[a]fluor...	20.71	2.5	ng/ul	592377	5	21.22	4771680	20.0
Benzo[b]naphtho[2...	20.87	2.6	ng/ul	613710	5	21.22	4771680	20.0
Cyclopenta[cd]pyrene	20.95	4.5	ng/ul	1074420	5	21.22	4771680	20.0
Cycloisolongifole...	21.39	2.1	ng/ul	499076	5	21.22	4771680	20.0
Naphtho[2,1,8,7-k...	21.53	2.5	ng/ul	587237	5	21.22	4771680	20.0
unknown-01	21.58	2.0	ng/ul	488955	5	21.22	4771680	20.0
Chrysene, 1-methyl-	21.77	2.4	ng/ul	574353	5	21.22	4771680	20.0
1H-Benz[f]indene,...	21.82	2.2	ng/ul	517078	5	21.22	4771680	20.0
3-Hydroxy-1-metho...	22.51	15.8	ng/ul	1223390	6	23.44	1544510	20.0
Chrysin	22.64	12.0	ng/ul	924564	6	23.44	1544510	20.0
Benzo[e]pyrene	22.95	12.0	ng/ul	924699	6	23.44	1544510	20.0
Dinaphtho[1,2-b:1...	23.08	9.1	ng/ul	705587	6	23.44	1544510	20.0
unknown-02	24.97	6.2	ng/ul	475240	6	23.44	1544510	20.0
5H-Thiazolo[3,2-a...	25.41	13.4	ng/ul	1034990	6	23.44	1544510	20.0