LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026970.D
Acq On : 31 Jul 2020 22:21
Operator : JU/CG
Sample : L3424-18 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S93

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	109995	184686	1.29%	0.169%
2	2.978	36	41	53	rVB	503808	637026	4.46%	0.583%
3	6.837	689	697	704	rBV	89031	145740	1.02%	0.133%
4	7.001	718	725	731	rVV	63061	101419	0.71%	0.093%
5	7.201	752	759	765	rBV	84384	137599	0.96%	0.126%
6	7.660	831	837	844	rVB	478539	745568	5.22%	0.683%
7	8.195	923	928	939	rBV	57565	117133	0.82%	0.107%
8	8.360	950	956	963	rVB	95777	153802	1.08%	0.141%
9	8.801	1023	1031	1037	rVB	80504	129447	0.91%	0.119%
10	9.519	1147	1153	1161	rBV	63041	103876	0.73%	0.095%
11	10.054	1237	1244	1252	rVB	101577	179489	1.26%	0.164%
12	10.436	1300	1309	1314	rBV	611880	1061882	7.44%	0.972%
13	10.483	1314	1317	1325	rVV	102317	161419	1.13%	0.148%
14	12.101	1586	1592	1599	rVB	95173	148535	1.04%	0.136%
15	12.319	1623	1629	1636	rVB	62397	104992	0.74%	0.096%
16	13.613	1840	1849	1854	rVV3	56704	114937	0.81%	0.105%
17	13.707	1861	1865	1868	rVV	159784	227717	1.60%	0.208%
18	13.748	1868	1872	1878	rVV2	109983	174958	1.23%	0.160%
19	13.983	1906	1912	1913	rBV	204087	256714	1.80%	0.235%
20	14.013	1913	1917	1927	rVB	550956	891237	6.24%	0.816%
21	14.295	1957	1965	1971	rVV	897160	1327538	9.30%	1.215%
22	14.483	1992	1997	2006	rBV5	79218	147747	1.04%	0.135%
23	14.689	2027	2032	2037	rBV	110580	175675	1.23%	0.161%
24	15.177	2109	2115	2120	rBV2	50760	96734	0.68%	0.089%
25	15.289	2128	2134	2138	rBV	235893	342207	2.40%	0.313%
26	15.342	2138	2143	2149	rVV3	73470	126986	0.89%	0.116%
27	15.789	2215	2219	2226	rVB	53966	116773	0.82%	0.107%
28	16.013	2251	2257	2260	rBV3	89599	159185	1.12%	0.146%
29	16.071	2264	2267	2272	rVB	91319	118442	0.83%	0.108%
30	16.618	2356	2360	2363	rVV2	78018	107311	0.75%	0.098%
31	16.689	2367	2372	2381	rVB	121700	204209	1.43%	0.187%
32	17.036	2425	2431	2435	rBV	1075973	1527027	10.70%	1.398%
33	17.077	2435	2438	2443	rVV	657706	871724	6.11%	0.798%
34	17.130	2443	2447	2449	rVV2	250392	339397	2.38%	0.311%

LSC Area Percent Report

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Acq On : 31 Jul 2020 22:21
Operator : JU/CG
Sample : L3424-18 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S93

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	17.165	2449	2453	2459	rVV	953296	1414025	9.91%	1.295%
36	17.224	2459	2463	2471	rVB3	87432	168073	1.18%	0.154%
37	17.407	2489	2494	2495	rBV2	97056	132714	0.93%	0.122%
38	17.436	2495	2499	2504	rVB	227706	336175	2.36%	0.308%
39	17.565	2517	2521	2525	rVB4	78900	105778	0.74%	0.097%
40	17.912	2576	2580	2583	rBV	102358	130453	0.91%	0.119%
41	17.954	2583	2587	2596	rVB2	319950	490696	3.44%	0.449%
42	18.036	2597	2601	2606	rVB	157192	226030	1.58%	0.207%
43	18.101	2607	2612	2617	rBV3	223211	458760	3.21%	0.420%
44	18.224	2628	2633	2636	rBV7	43773	92702	0.65%	0.085%
45	18.259	2637	2639	2642	rVV3	83148	106306	0.74%	0.097%
46	18.295	2642	2645	2652	rVB2	138068	223735	1.57%	0.205%
47	18.418	2662	2666	2668	rVV	152861	223335	1.56%	0.204%
48	18.448	2668	2671	2678	rVB	396952	517656	3.63%	0.474%
49	18.754	2720	2723	2727	rVB	87472	109892	0.77%	0.101%
50	18.836	2732	2737	2742	rBV2	275877	439301	3.08%	0.402%
51	18.901	2742	2748	2751	rBV2	156681	273527	1.92%	0.250%
52	18.971	2756	2760	2768	rVV	492801	679548	4.76%	0.622%
53	19.101	2776	2782	2787	rVB	5134631	6674870	46.76%	6.111%
54	19.248	2802	2807	2811	rBV2	291735	459845	3.22%	0.421%
55	19.295	2811	2815	2820	rVV5	153783	285612	2.00%	0.261%
56	19.430	2833	2838	2839	rBV	951569	1052086	7.37%	0.963%
57	19.465	2839	2844	2851	rVV	5407060	7685393	53.84%	7.036%
58	19.536	2852	2856	2864	rVB4	206824	376373	2.64%	0.345%
59	19.642	2870	2874	2879	rBV	273055	377108	2.64%	0.345%
60	19.701	2880	2884	2890	rVB	486067	701515	4.91%	0.642%
61	19.789	2894	2899	2905	rBV4	475016	1020353	7.15%	0.934%
62	19.924	2917	2922	2932	rVB7	582960	1897373	13.29%	1.737%
63	20.012	2933	2937	2940	rBV4	122441	205526	1.44%	0.188%
64	20.059	2941	2945	2948	rBV2	223306	278278	1.95%	0.255%
65	20.118	2949	2955	2959	rBV3	727073	1157212	8.11%	1.059%
66	20.153	2959	2961	2965	rVB3	164796	188983	1.32%	0.173%
67	20.200	2966	2969	2974	rBV2	133866	205772	1.44%	0.188%
68	20.259	2974	2979	2982	rBV	559174	747060	5.23%	0.684%
69	20.300	2982	2986	2991	rBV3	333101	540015	3.78%	0.494%
70	20.512	3019	3022	3026	rBV3	232700	371256	2.60%	0.340%
71	20.624	3038	3041	3044	rVB3	156084	168998	1.18%	0.155%

LSC Area Percent Report

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Sample : L3424-18 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S93

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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Peak separation: 5

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

72	20.706	3051	3055	3061	rVB	998846	1354584	9.49%	1.240%
73	20.871	3077	3083	3087	rBV2	713179	1394286	9.77%	1.277%
74	20.912	3087	3090	3093	rVV	723880	854940	5.99%	0.783%
75	20.948	3093	3096	3102	rVV2	951279	1577959	11.05%	1.445%
76	21.000	3102	3105	3114	rVB2	765262	1051491	7.37%	0.963%
77	21.218	3133	3142	3146	rBV2	3727246	7472617	52.35%	6.841%
78	21.265	3147	3150	3157	rVB	4437360	5970308	41.82%	5.466%
79	21.347	3161	3164	3167	rBV2	204203	232787	1.63%	0.213%
80	21.395	3167	3172	3179	rBV4	443713	1125872	7.89%	1.031%
81	21.530	3191	3195	3201	rBV2	561174	1016521	7.12%	0.931%
82	21.583	3201	3204	3209	rVV3	325927	508697	3.56%	0.466%
83	21.724	3224	3228	3230	rBV3	267487	405915	2.84%	0.372%
84	21.771	3230	3236	3241	rVV	828592	1679973	11.77%	1.538%
85	21.830	3241	3246	3252	rVB2	971845	1509959	10.58%	1.382%
86	21.965	3266	3269	3272	rBV	392755	538251	3.77%	0.493%
87	22.065	3284	3286	3295	rVB	383835	549705	3.85%	0.503%
88	22.236	3312	3315	3320	rVB	320205	449296	3.15%	0.411%
89	22.524	3359	3364	3377	rVB3	473987	1424615	9.98%	1.304%
90	22.647	3380	3385	3391	rVB2	489811	928446	6.50%	0.850%
91	22.794	3402	3410	3414	rBV2	6447236	14274765	100.00%	13.069%
92	22.953	3432	3437	3443	rBV	737748	1213644	8.50%	1.111%
93	23.083	3454	3459	3470	rBV2	398648	1014530	7.11%	0.929%
94	23.259	3483	3489	3495	rVV	3068078	5279840	36.99%	4.834%
95	23.353	3499	3505	3511	rVB	2478792	4260500	29.85%	3.901%
96	23.441	3515	3520	3524	rVV2	752576	1520344	10.65%	1.392%
97	23.489	3525	3528	3537	rVB3	665461	1433148	10.04%	1.312%
98	25.418	3852	3856	3864	rVB2	488497	1072996	7.52%	0.982%
99	25.665	3888	3898	3907	rVB	2048778	5760286	40.35%	5.274%
100	26.329	4005	4011	4025	rVB2	478975	1387225	9.72%	1.270%

Sum of corrected areas: 109224965

LSC Report - Integrated Chromatogram

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Data File : BM026970.D
Acq On : 31 Jul 2020 22:21
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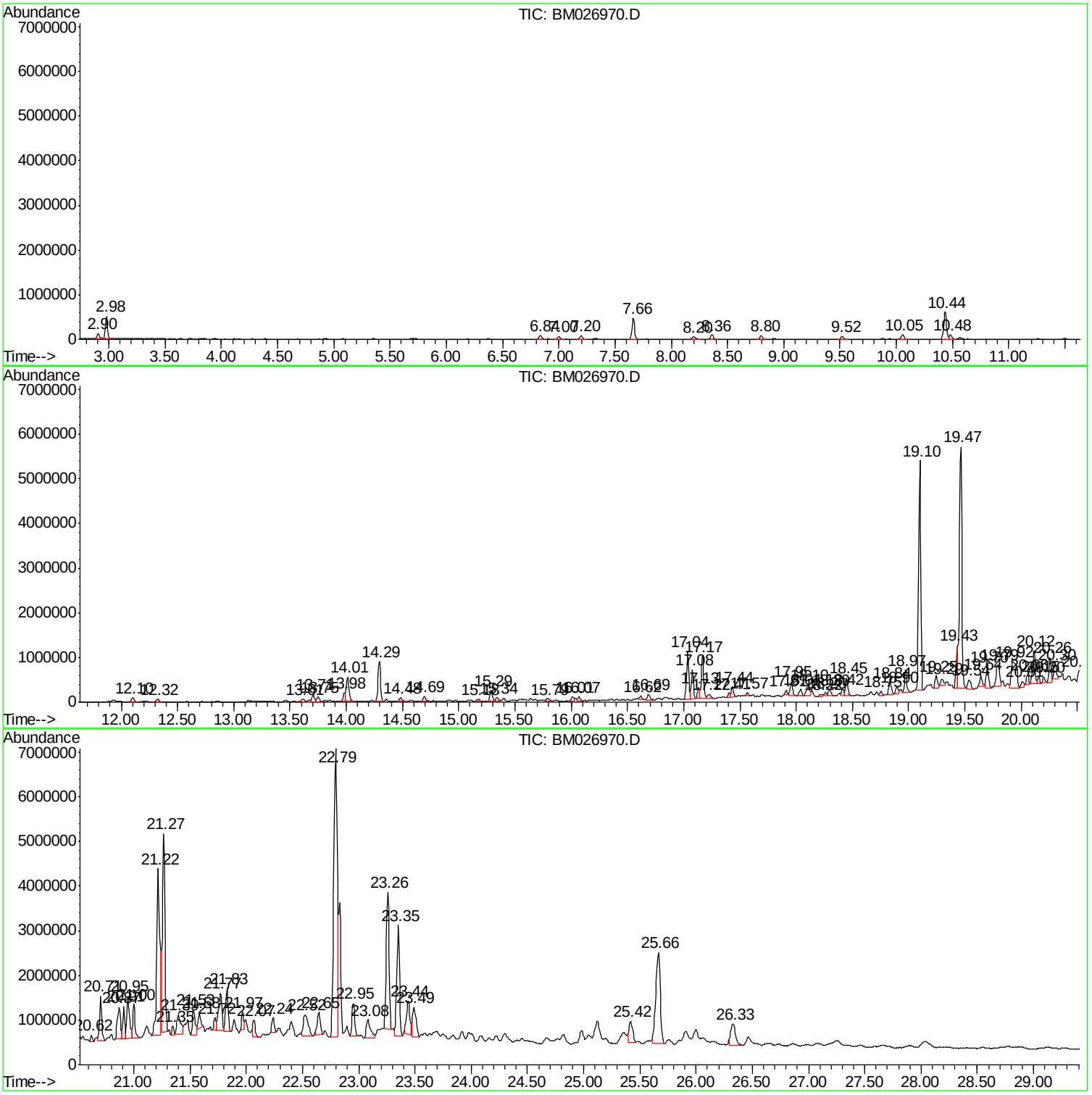
Sample : L3424-18 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S93

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026970.D
Acq On : 31 Jul 2020 22:21
Operator : JU/CG
Sample : L3424-18 5X
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Instrument : BNA_M
ClientSampleId : C0S93

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

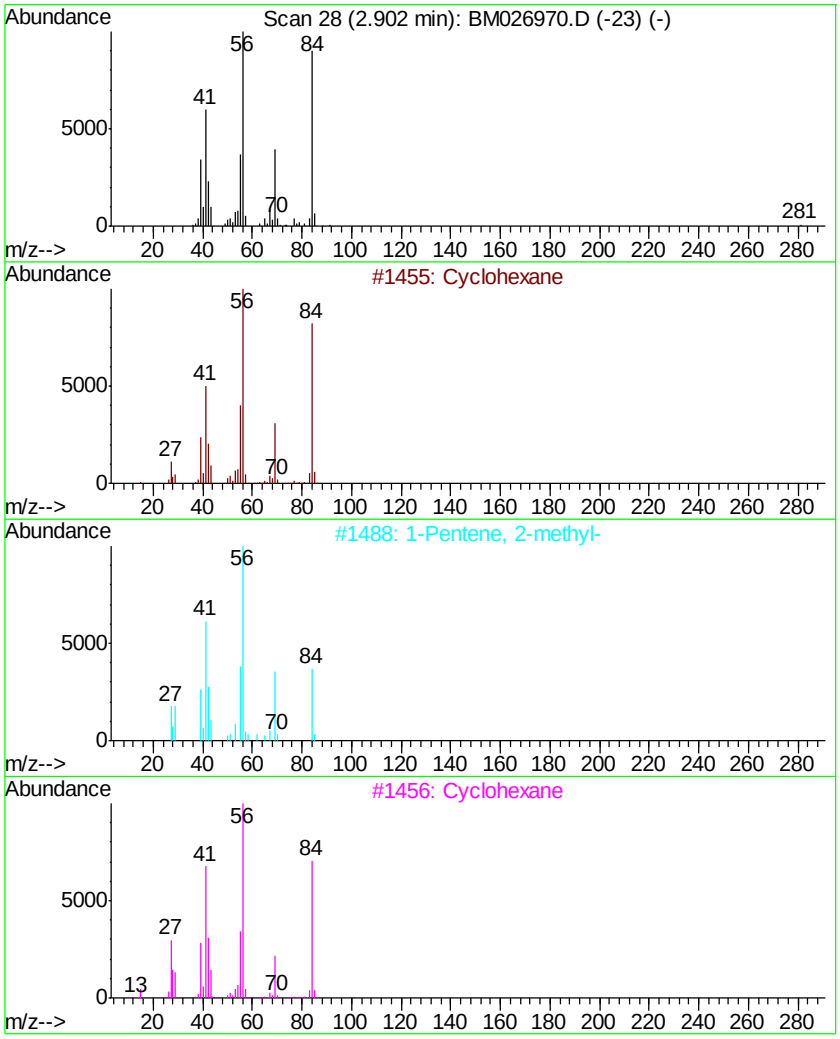
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

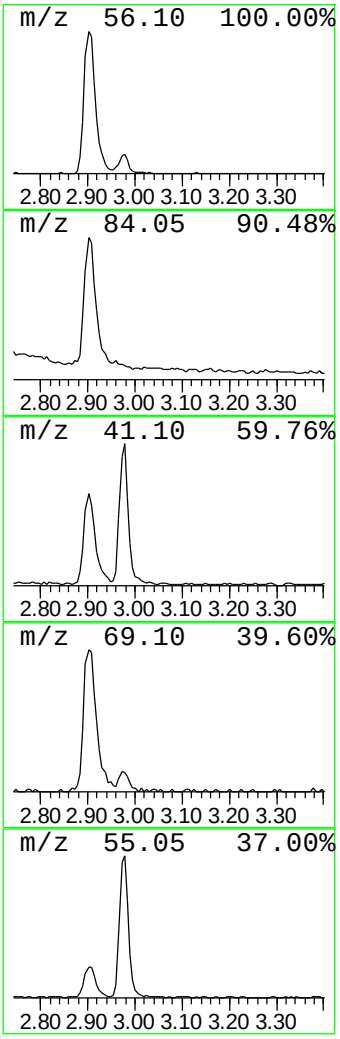
****

Peak Number 1 (DEL) Alkane: Cyclic2.90 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.90	4.95 ng/ul	184686	1,4-Dichlorobenzene-d4	7.66

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





Library Search Compound Report

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Misc :
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Instrument : BNA_M
ClientSampleId : C0S93

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

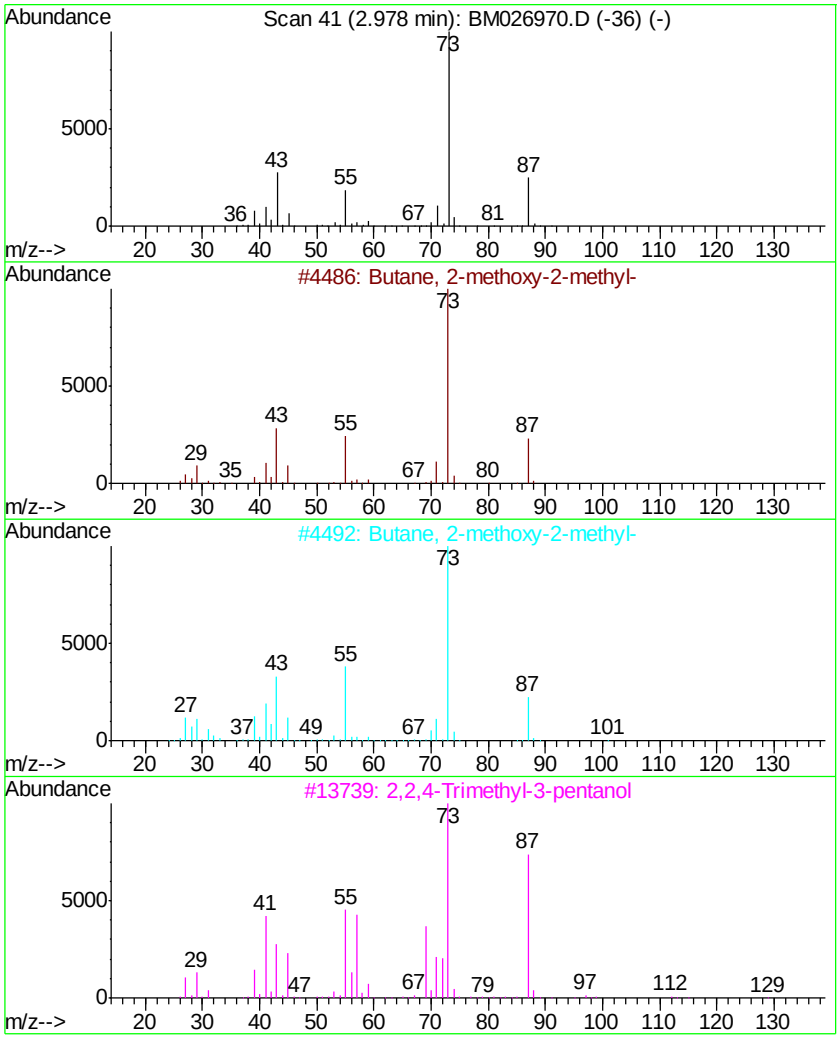
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

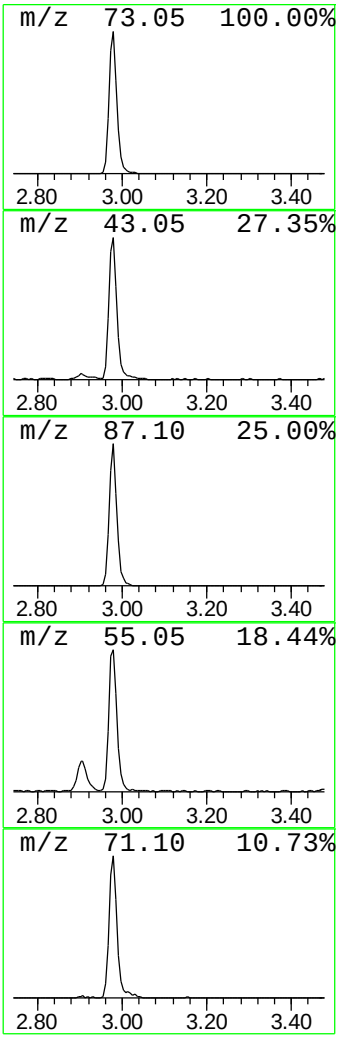
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	17.09 ng/ul	637026	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	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	64
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

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

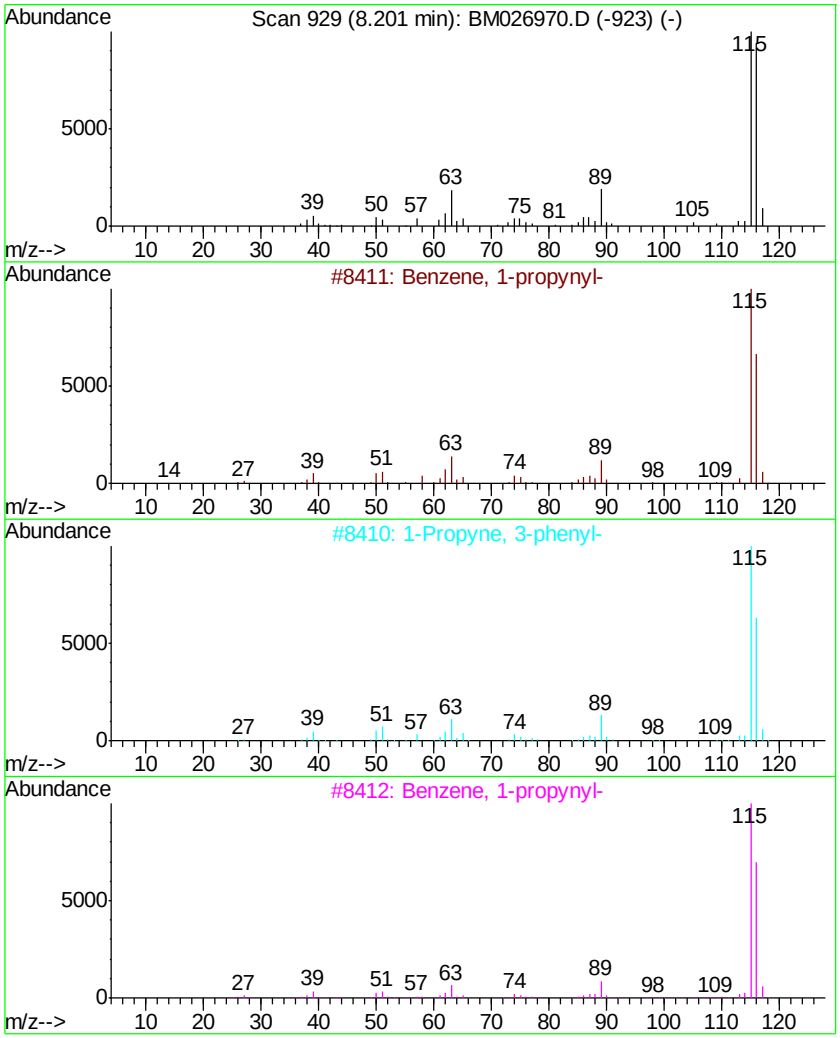
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

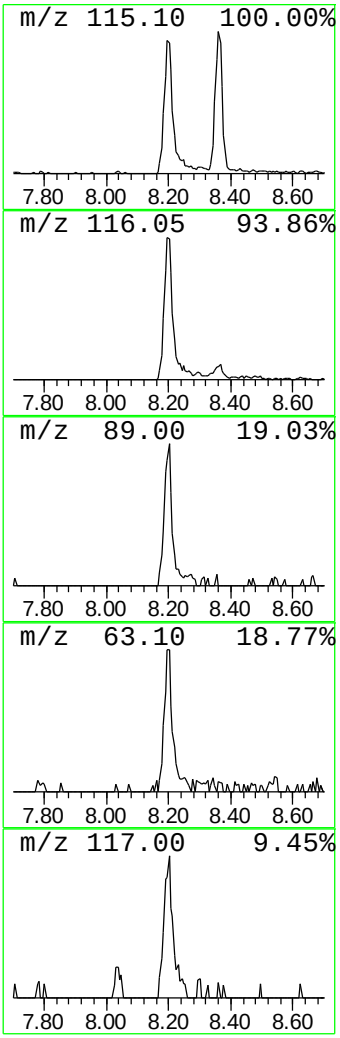
****

Peak Number 3 Benzene, 1-propynyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	3.14 ng/ul	117133	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	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





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

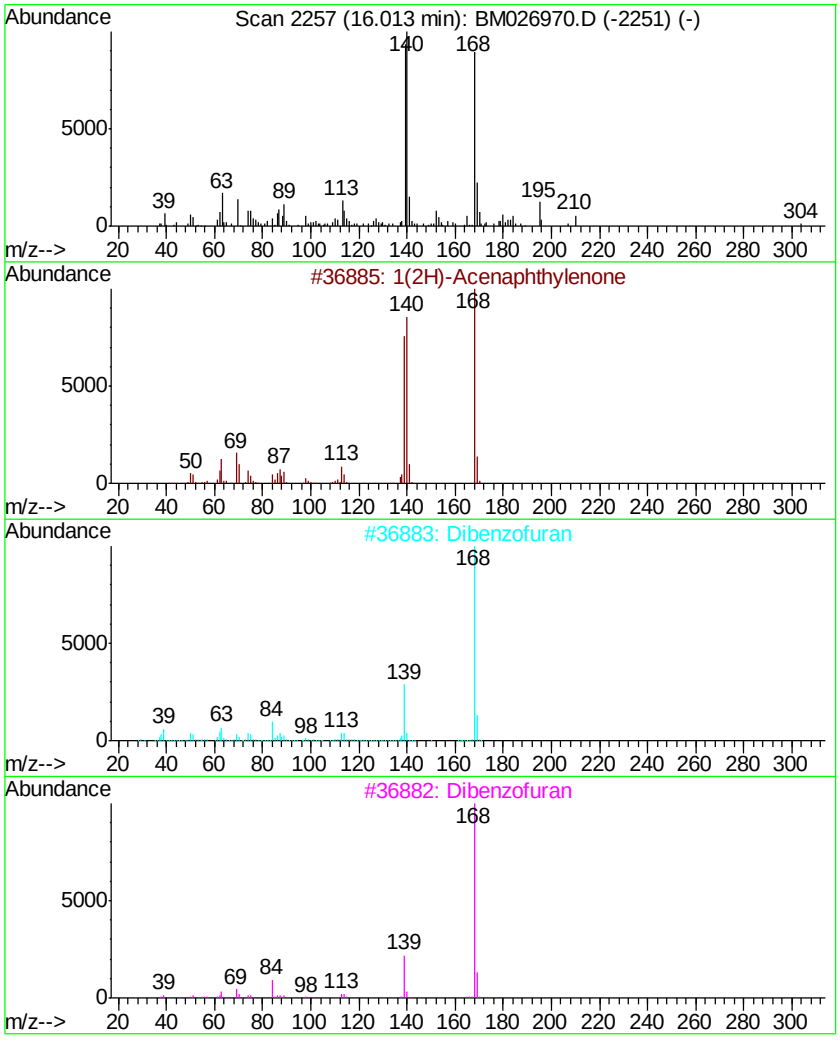
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

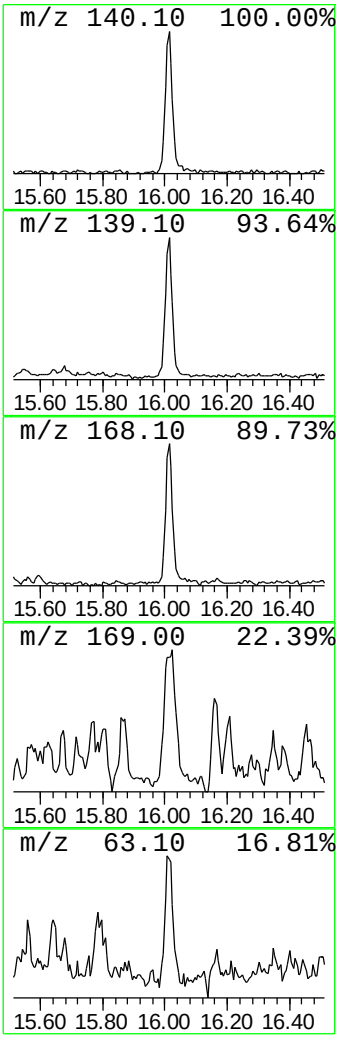
****

Peak Number 4 1(2H)-Acenaphthylenone Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	2.08 ng/ul	159185	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	83
2	Dibenzofuran	168	C12H8O	000132-64-9	49
3	Dibenzofuran	168	C12H8O	000132-64-9	47
4	Alanylalanylalanine, N,N',N''-tr...	425	C21H35N3O6	1000329-34-5	47
5	7(4H)-Benzothiazolone, 2-amino-5...	168	C7H8N2OS	017583-10-7	47





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Sample : L3424-18 5X
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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S93

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

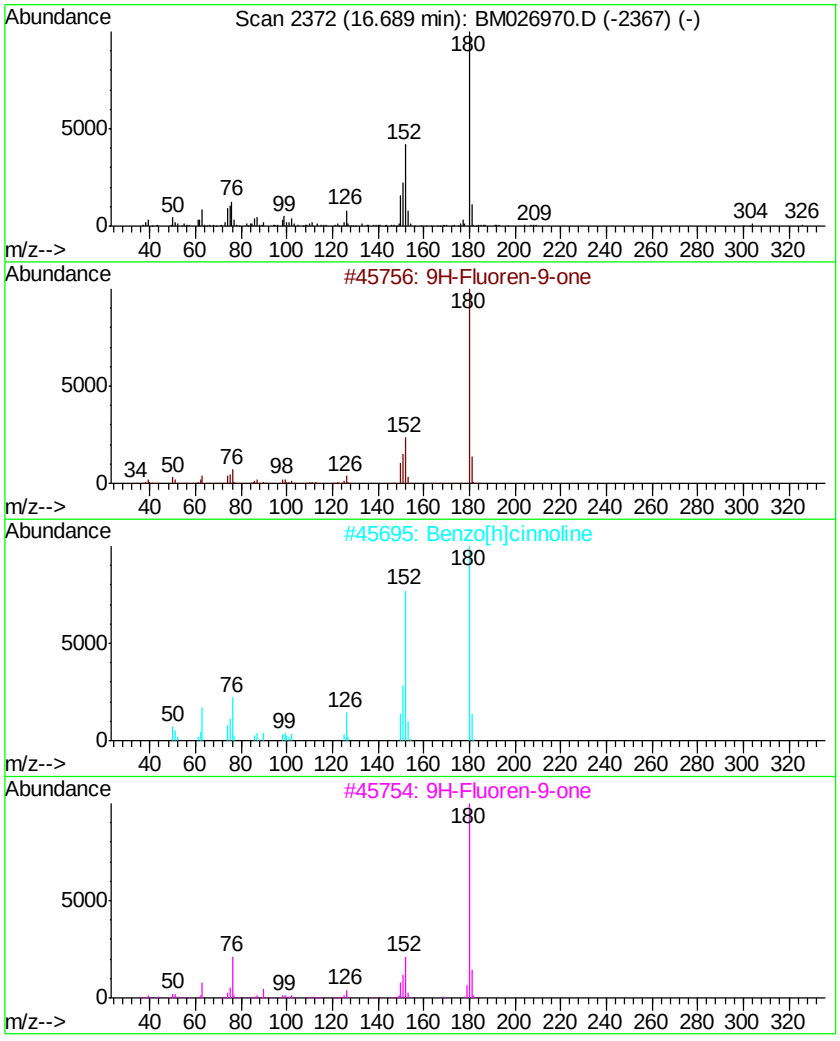
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

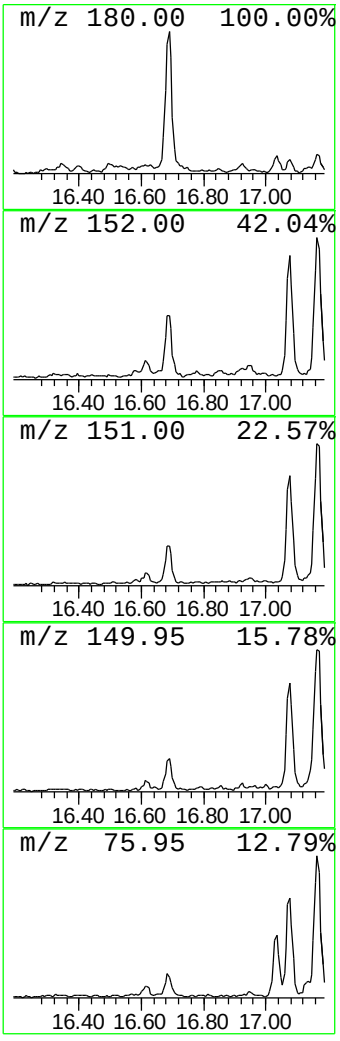
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	2.67 ng/ul	204209	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	86
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78





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Acq On : 31 Jul 2020 22:21
Operator : JU/CG
Sample : L3424-18 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S93

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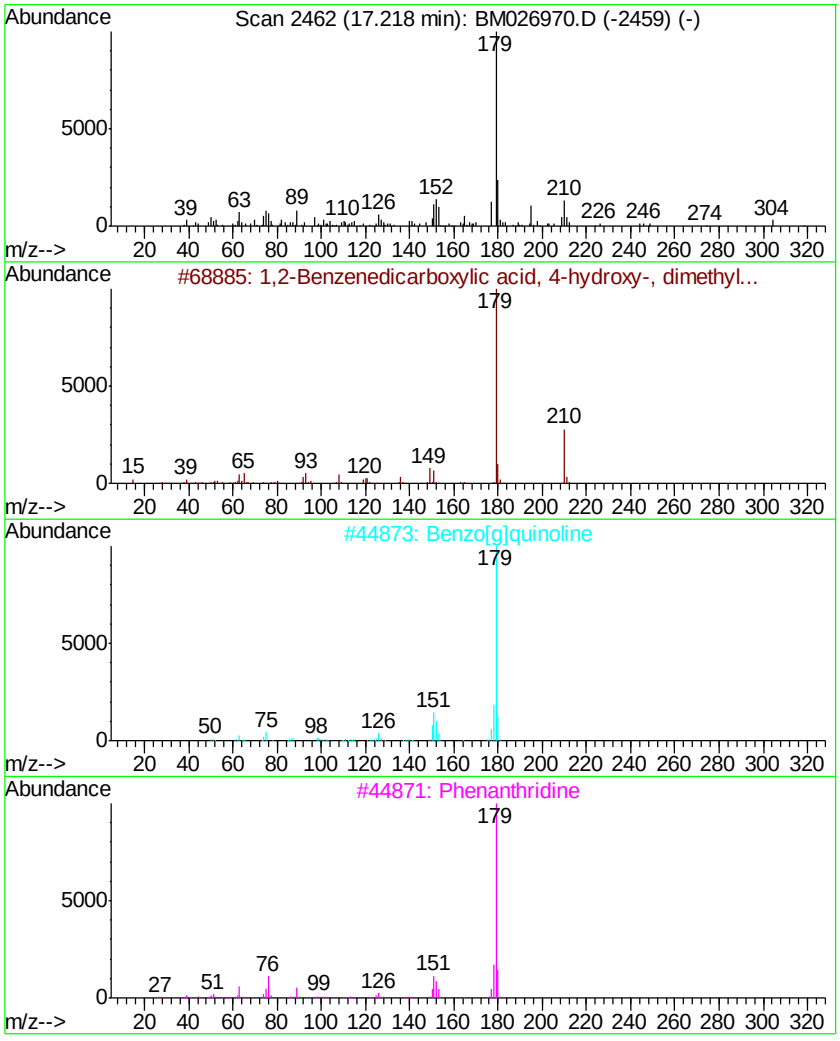
Quant Title : SVOA CALIBRATION

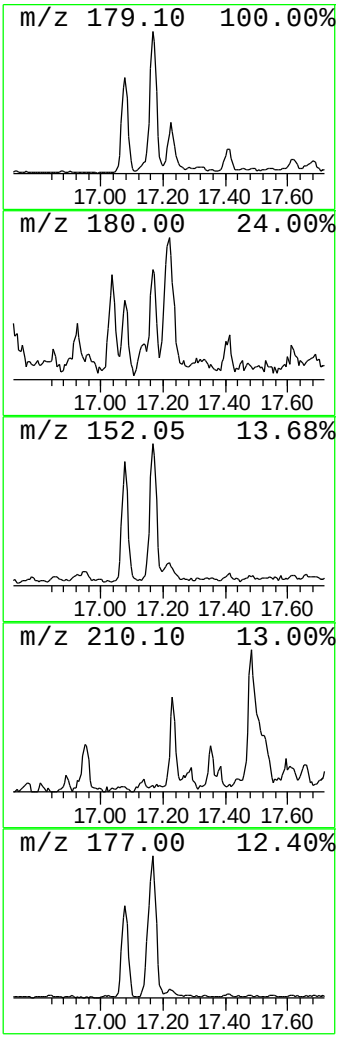
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1,2-Benzenedicarboxylic aci... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	2.20 ng/ul	168073	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, 4-...	210	C10H10O5	022479-95-4	64
2	Benzo[g]quinoline	179	C13H9N	000260-36-6	64
3	Phenanthridine	179	C13H9N	000229-87-8	64
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	58
5	Acridine	179	C13H9N	000260-94-6	58





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Sample : L3424-18 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S93

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Quant Title : SVOA CALIBRATION

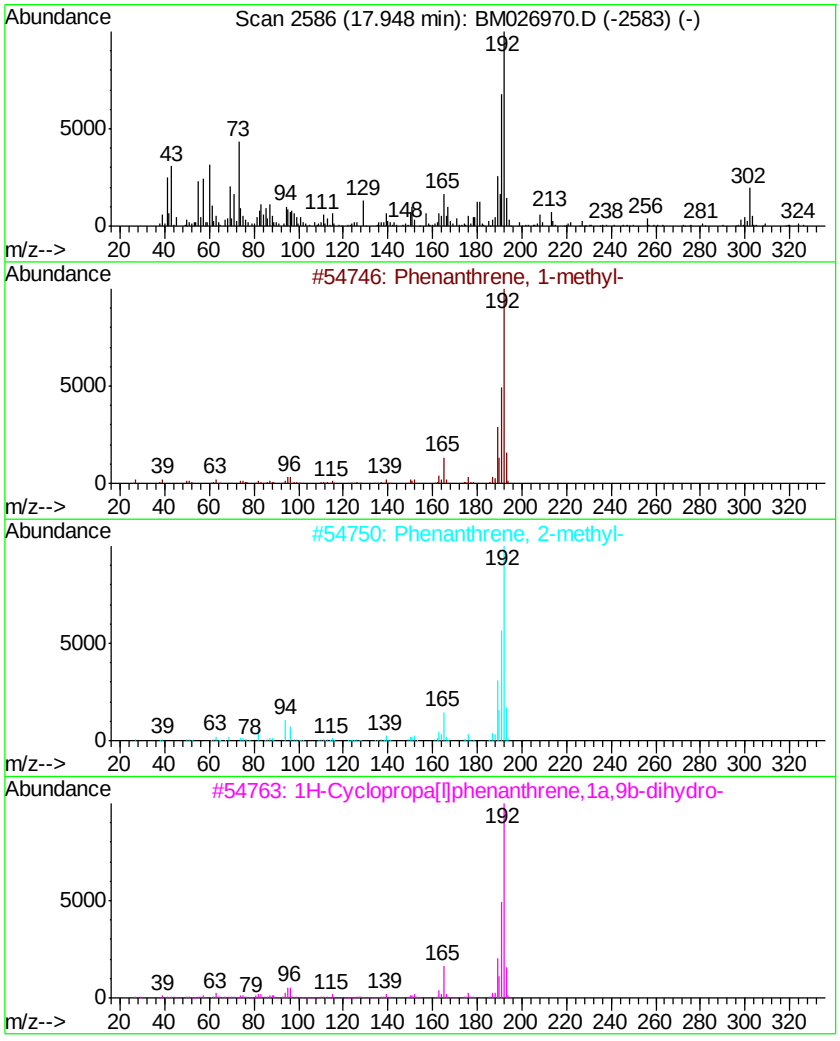
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

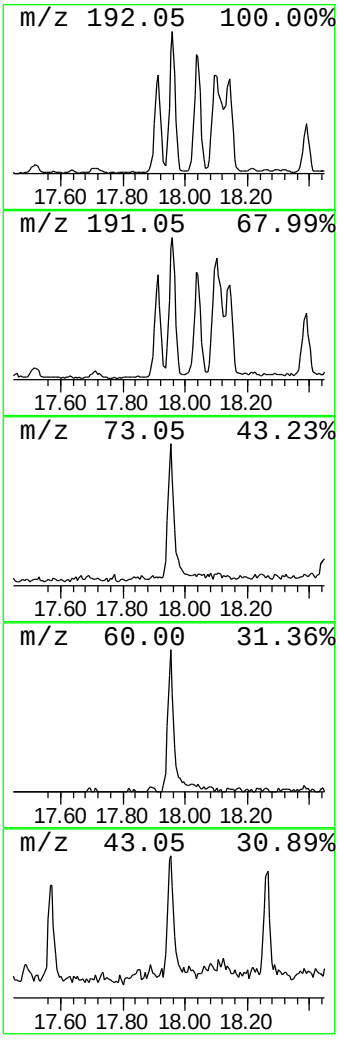
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	6.43 ng/ul	490696	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Acq On : 31 Jul 2020 22:21
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Sample : L3424-18 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S93

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Quant Title : SVOA CALIBRATION

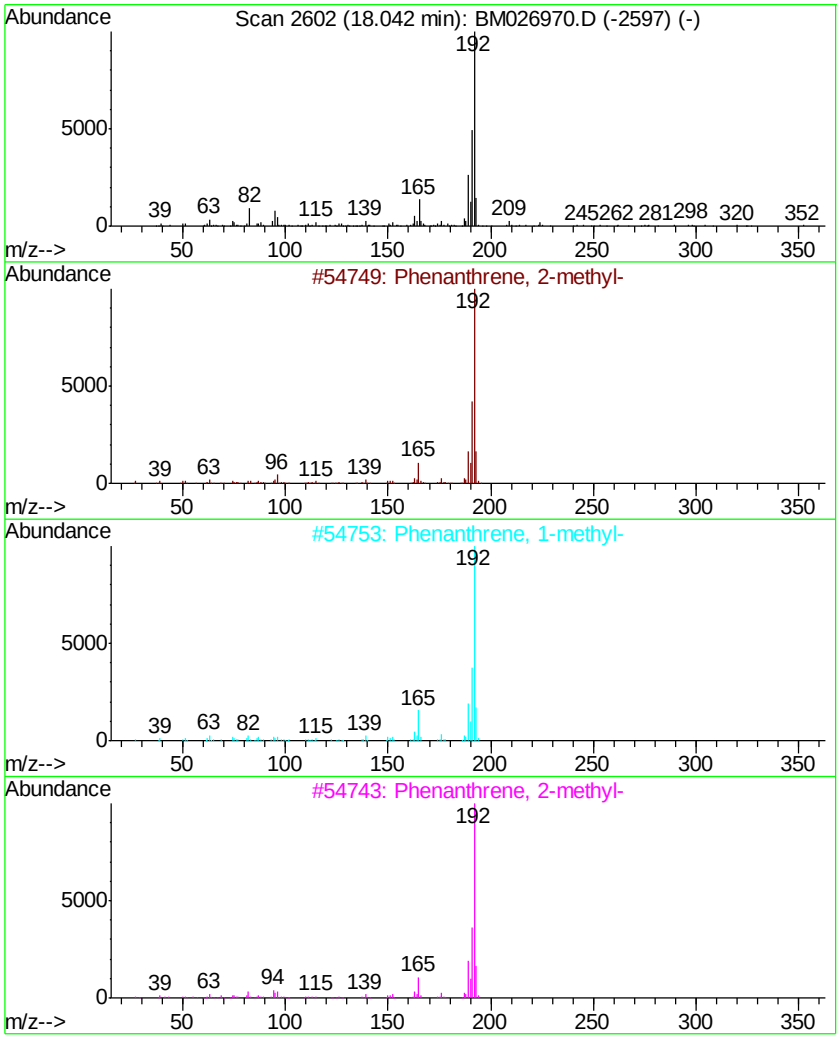
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

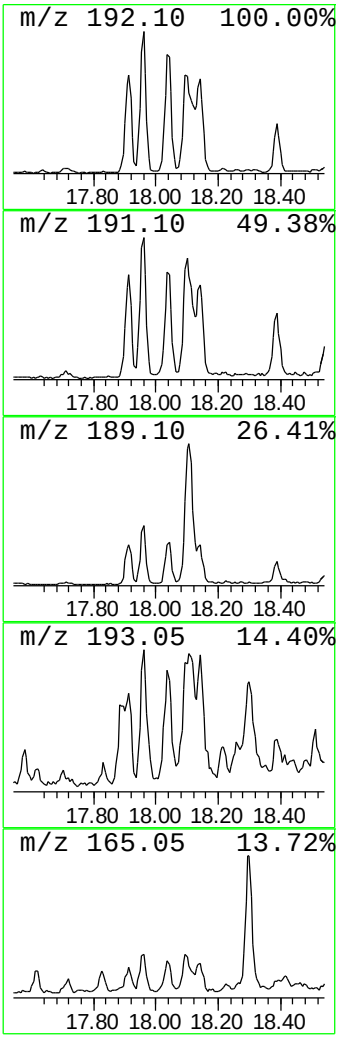
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	2.96 ng/ul	226030	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Operator : JU/CG
Sample : L3424-18 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S93

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Quant Title : SVOA CALIBRATION

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

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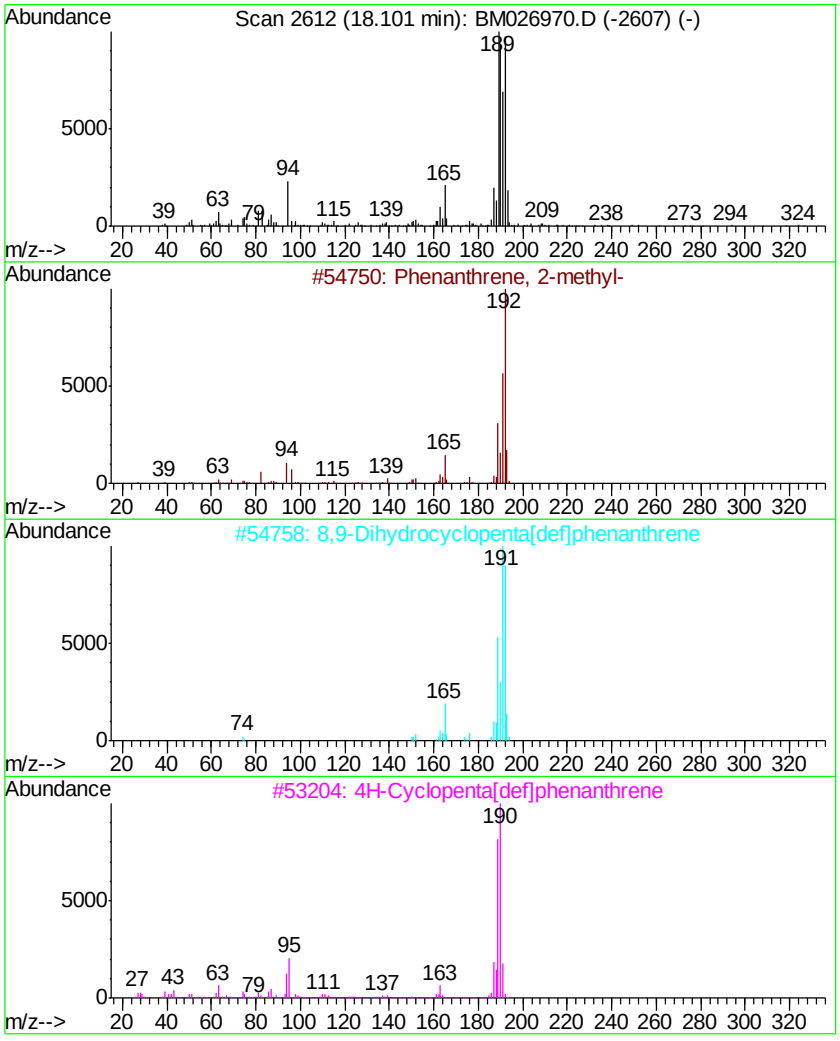
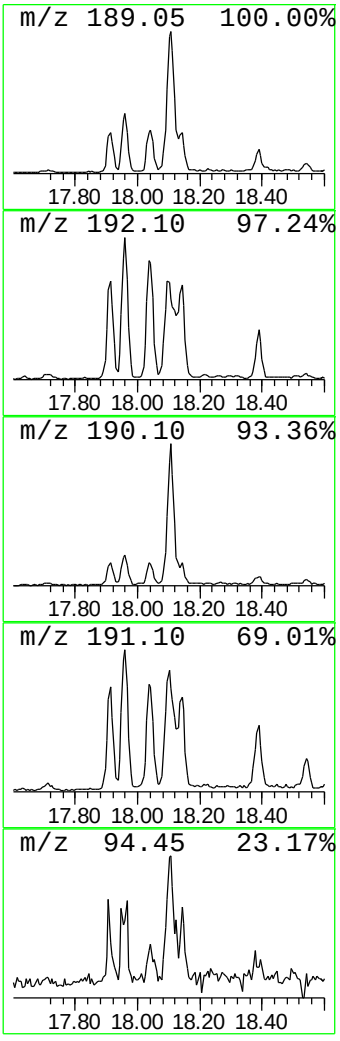
Peak Number 9 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	6.01 ng/ul	458760	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	50
2	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	49
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46





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Sample : L3424-18 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0S93

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Quant Title : SVOA CALIBRATION

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

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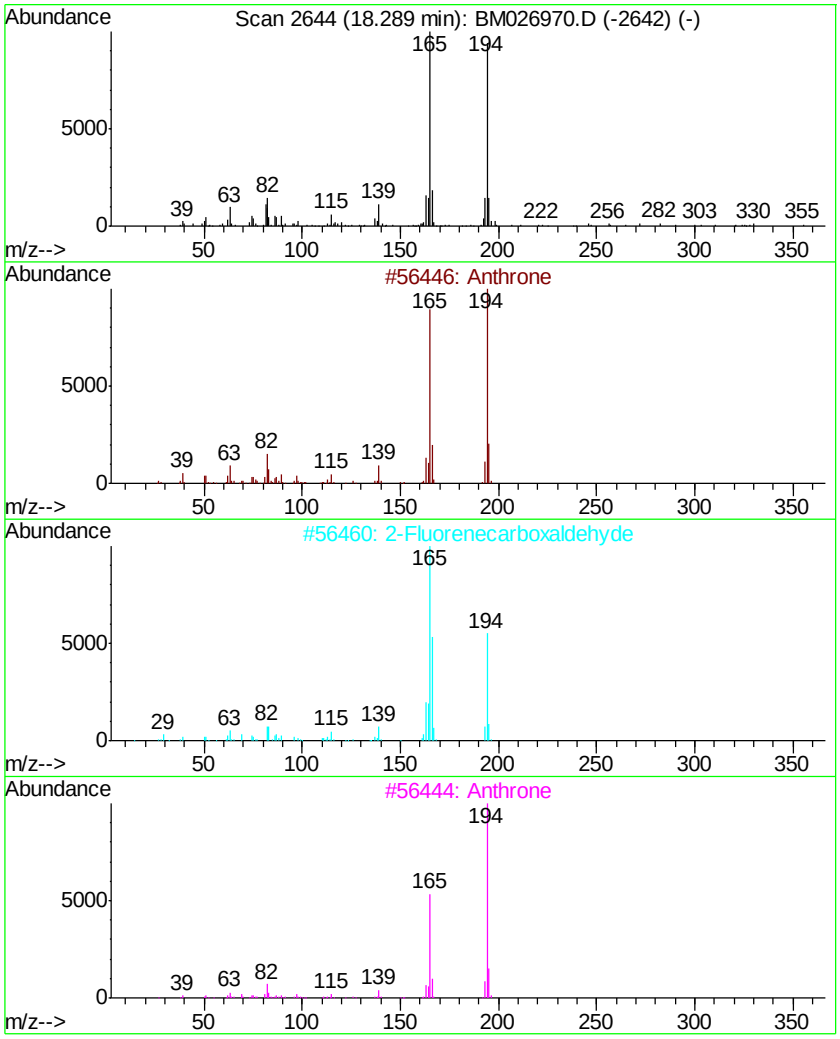
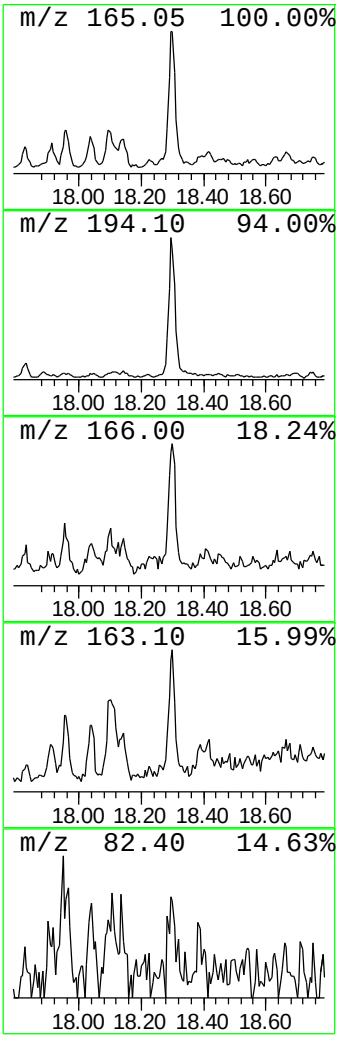
Peak Number 10 Anthrone Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	2.93 ng/ul	223735	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	93
2	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	93
3	Anthrone	194	C14H10O	000090-44-8	91
4	Anthrone	194	C14H10O	000090-44-8	91
5	3-Phenyl-benzofuran	194	C14H10O	029909-72-6	90





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Sample : L3424-18 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0S93

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Quant Title : SVOA CALIBRATION

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

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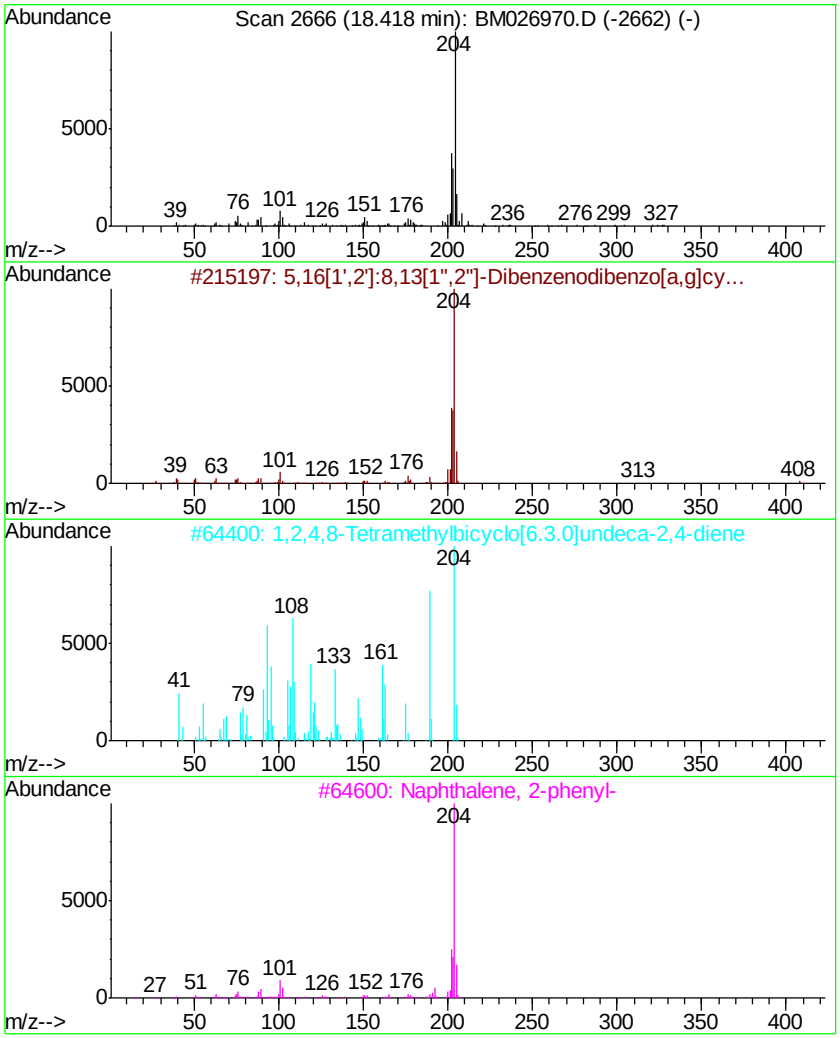
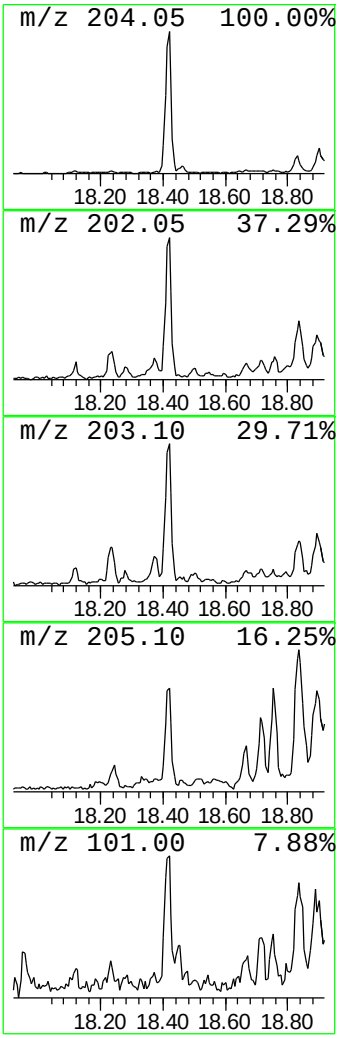
Peak Number 11 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.93 ng/ul	223335	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74





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Sample : L3424-18 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0S93

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Quant Title : SVOA CALIBRATION

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

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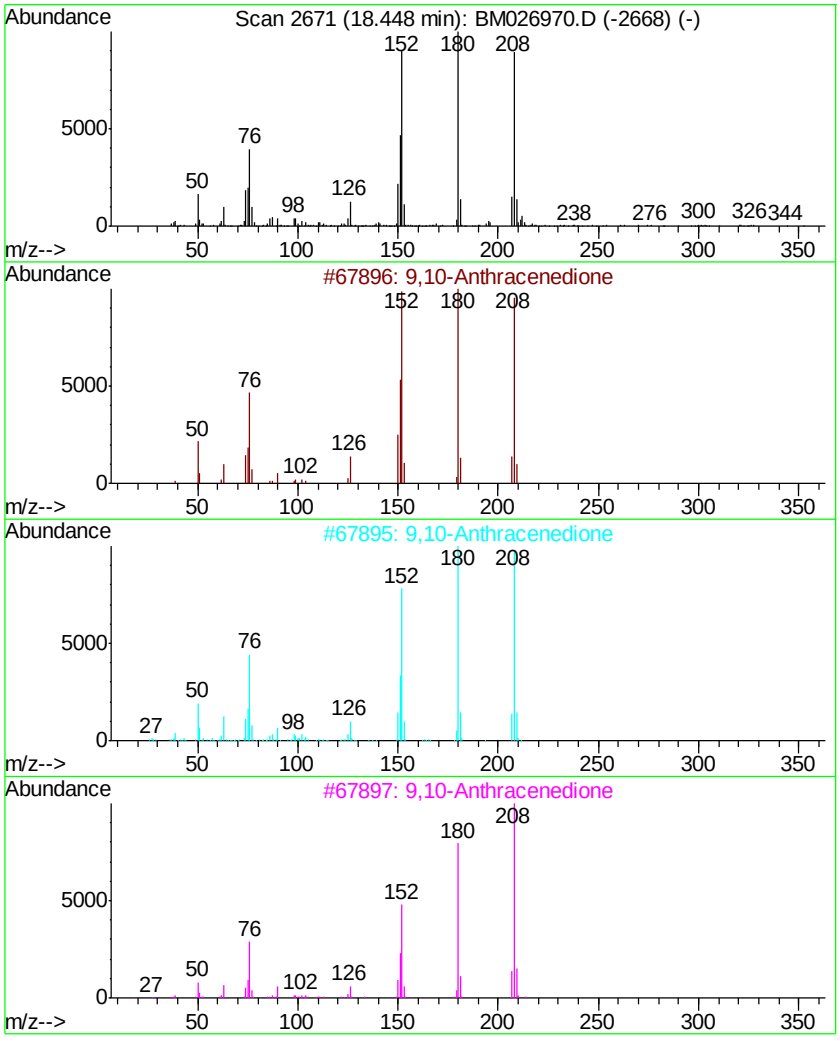
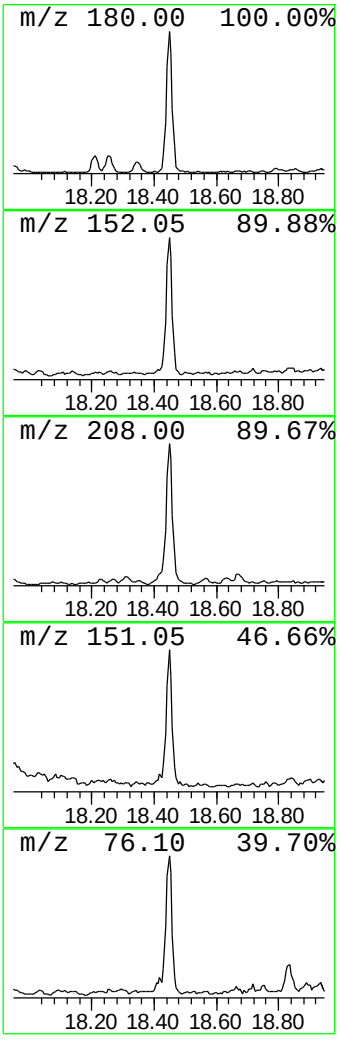
Peak Number 12 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	6.78 ng/ul	517656	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70





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Sample : L3424-18 5X
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ClientSampleId : C0S93

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Quant Title : SVOA CALIBRATION

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

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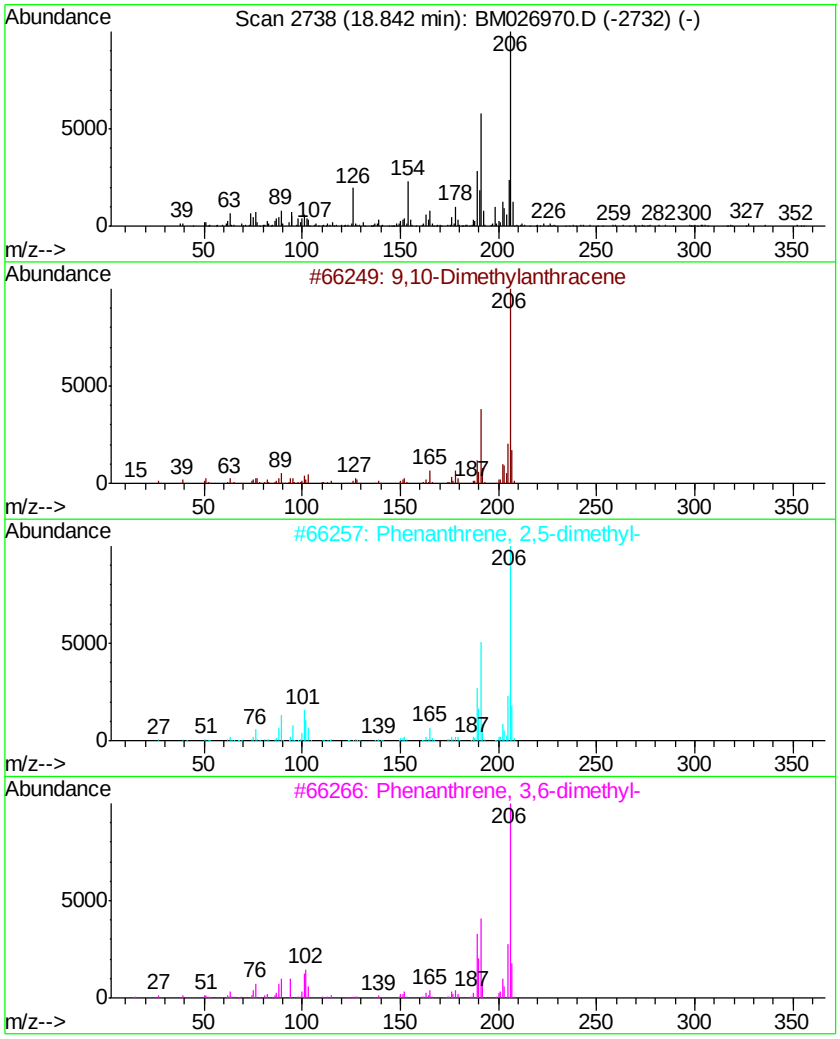
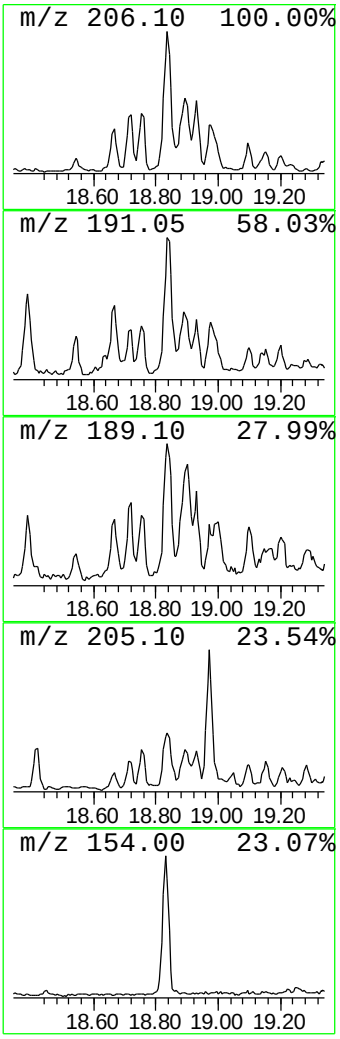
Peak Number 13 9,10-Dimethylanthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	5.75 ng/ul	439301	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76





Library Search Compound Report

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Sample : L3424-18 5X
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

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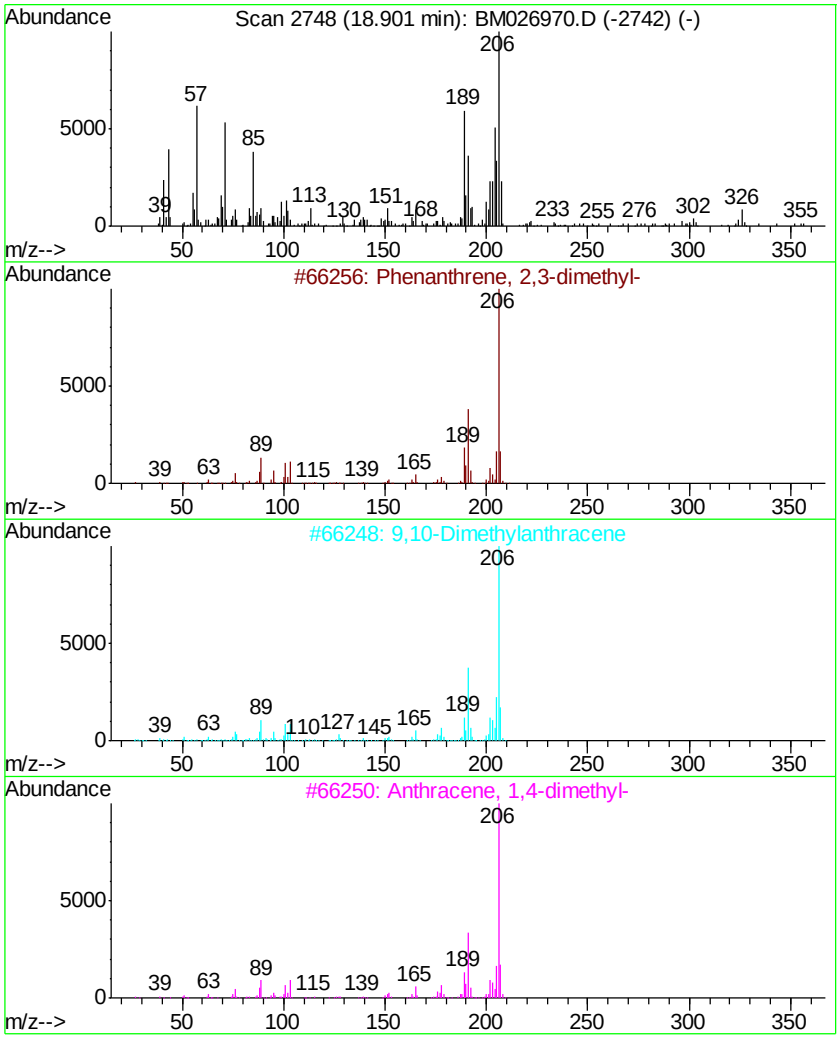
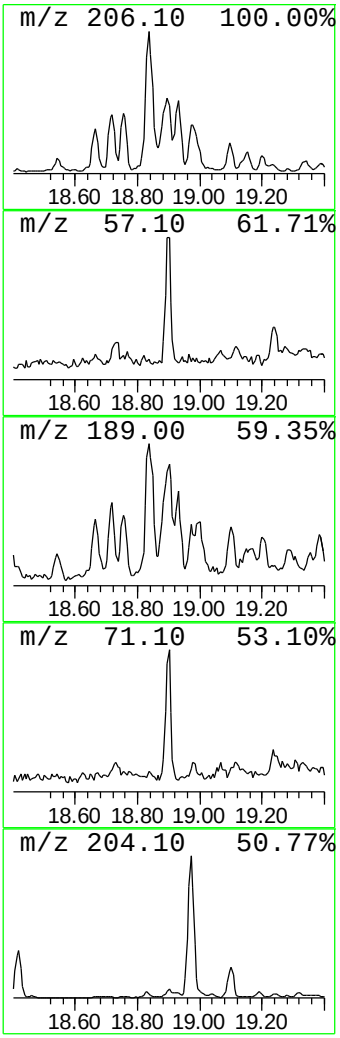
Peak Number 14 Phenanthrene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	3.58 ng/ul	273527	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	50
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	50
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	49
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S93

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Quant Title : SVOA CALIBRATION

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

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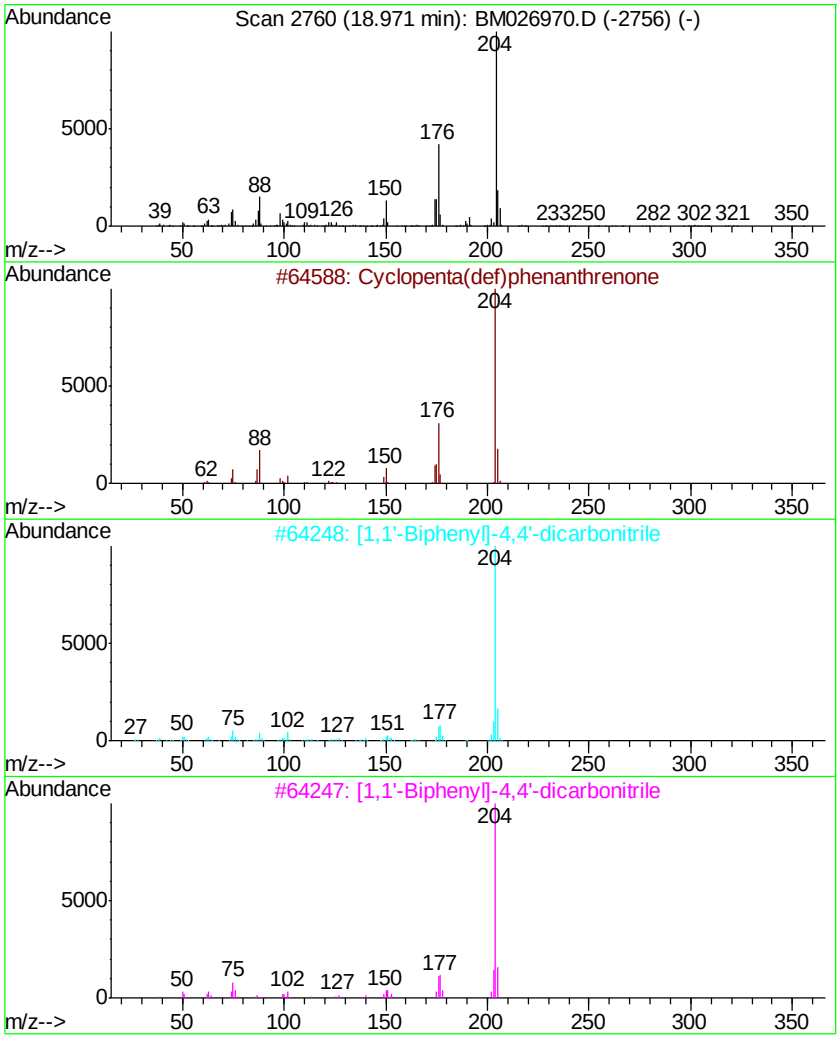
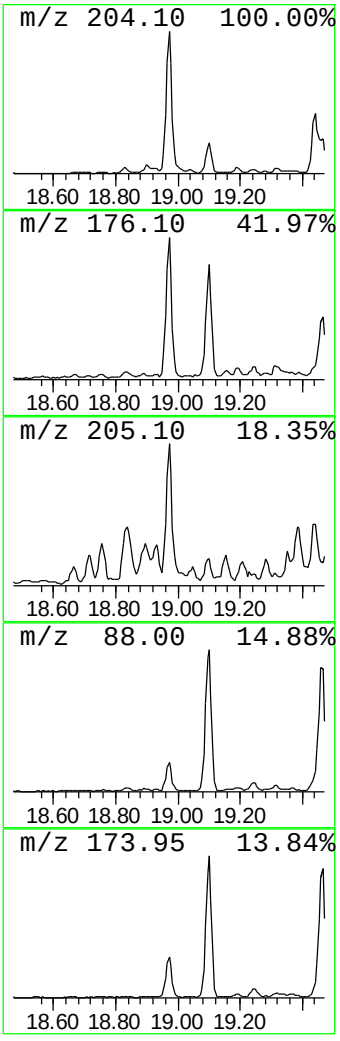
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	8.90 ng/ul	679548	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	[1,1'-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	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45





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Misc :
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Instrument : BNA_M
ClientSampleId : C0S93

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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 Pyrene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	2.73 ng/ul	1020350	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
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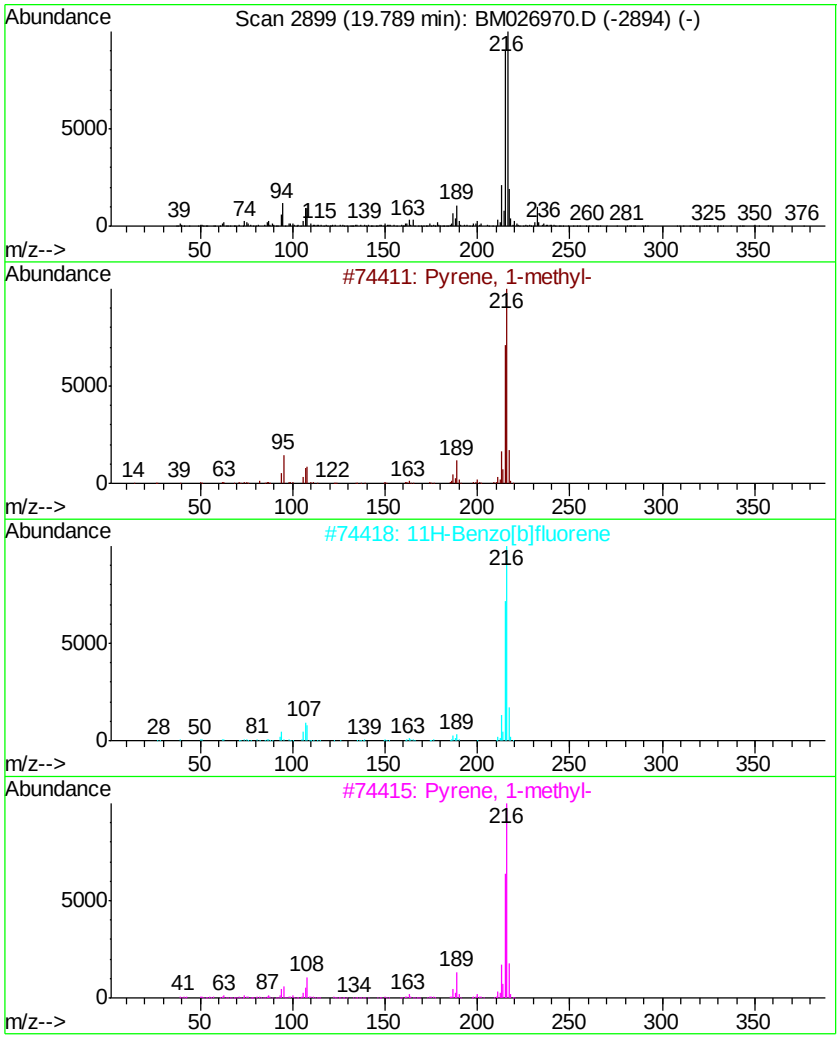

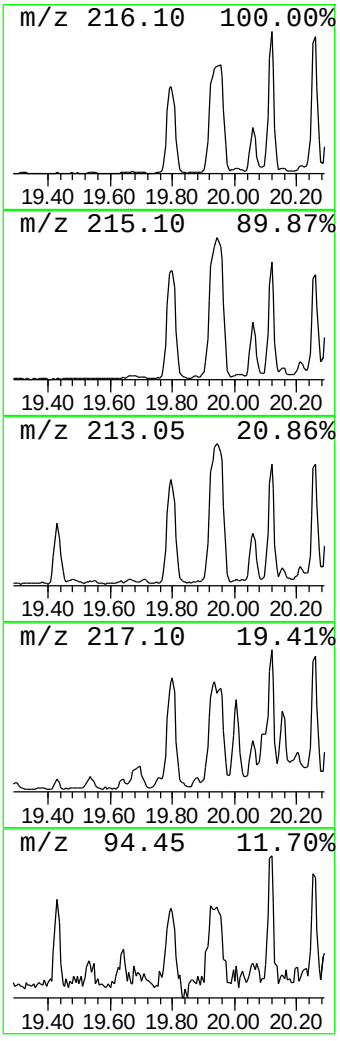

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Operator : JU/CG
Sample : L3424-18 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S93

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Quant Title : SVOA CALIBRATION

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

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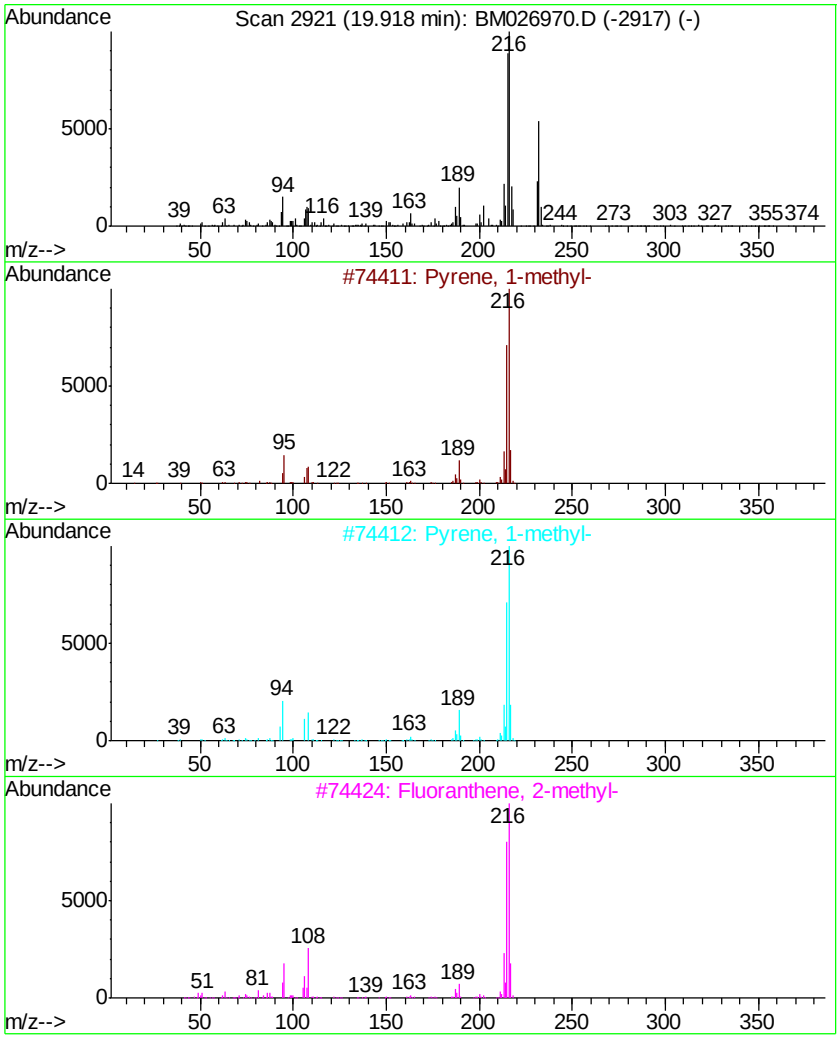
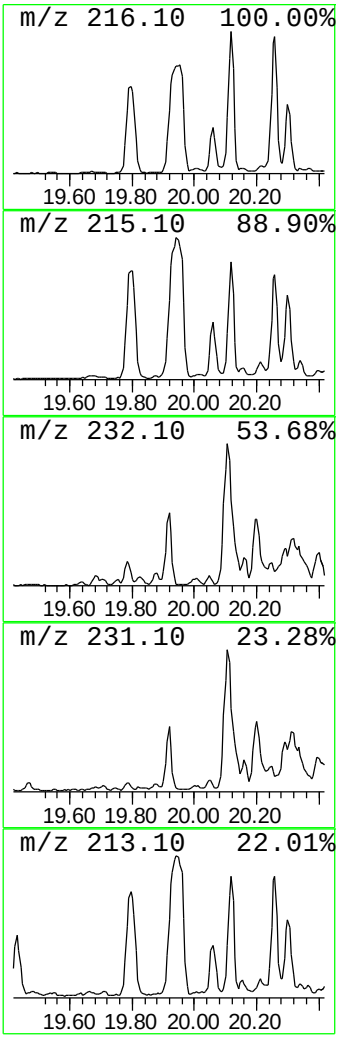
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	5.08 ng/ul	1897370	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92





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Operator : JU/CG
Sample : L3424-18 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0S93

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Quant Title : SVOA CALIBRATION

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

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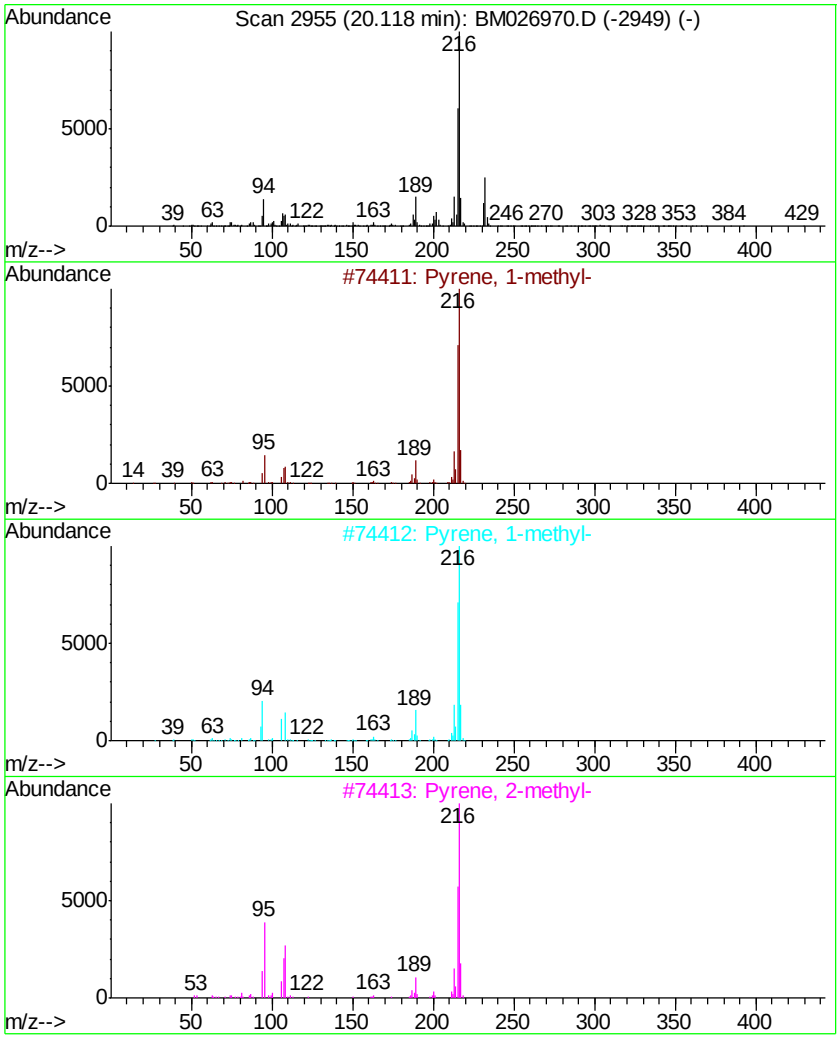
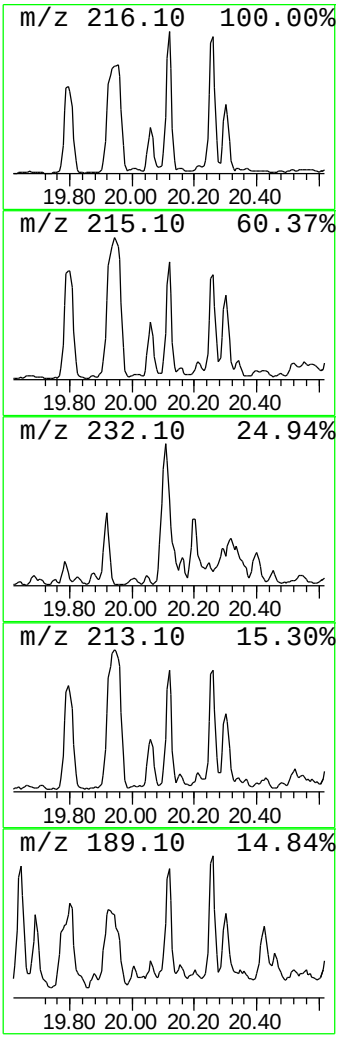
Peak Number 18 Pyrene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	3.10 ng/ul	1157210	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	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86





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ClientSampleId : C0S93

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Quant Title : SVOA CALIBRATION

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

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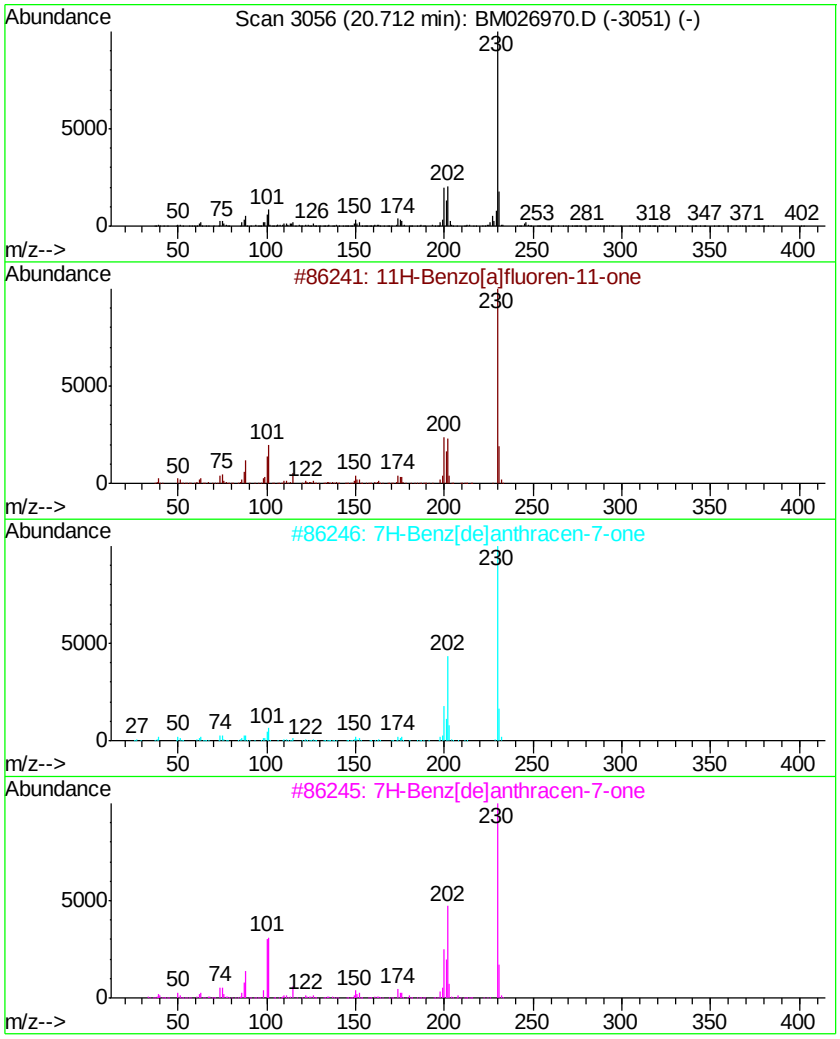
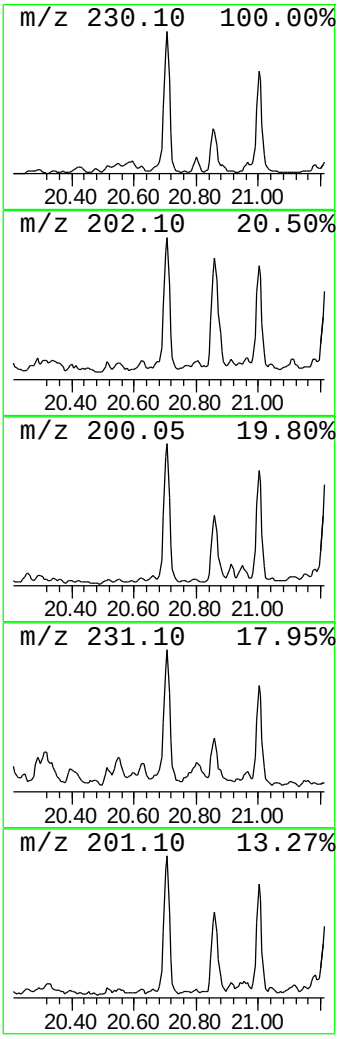
Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.71	3.63 ng/ul	1354580	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	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53
5	o-Terphenyl	230	C18H14	000084-15-1	52





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ClientSampleId : C0S93

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Quant Title : SVOA CALIBRATION

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

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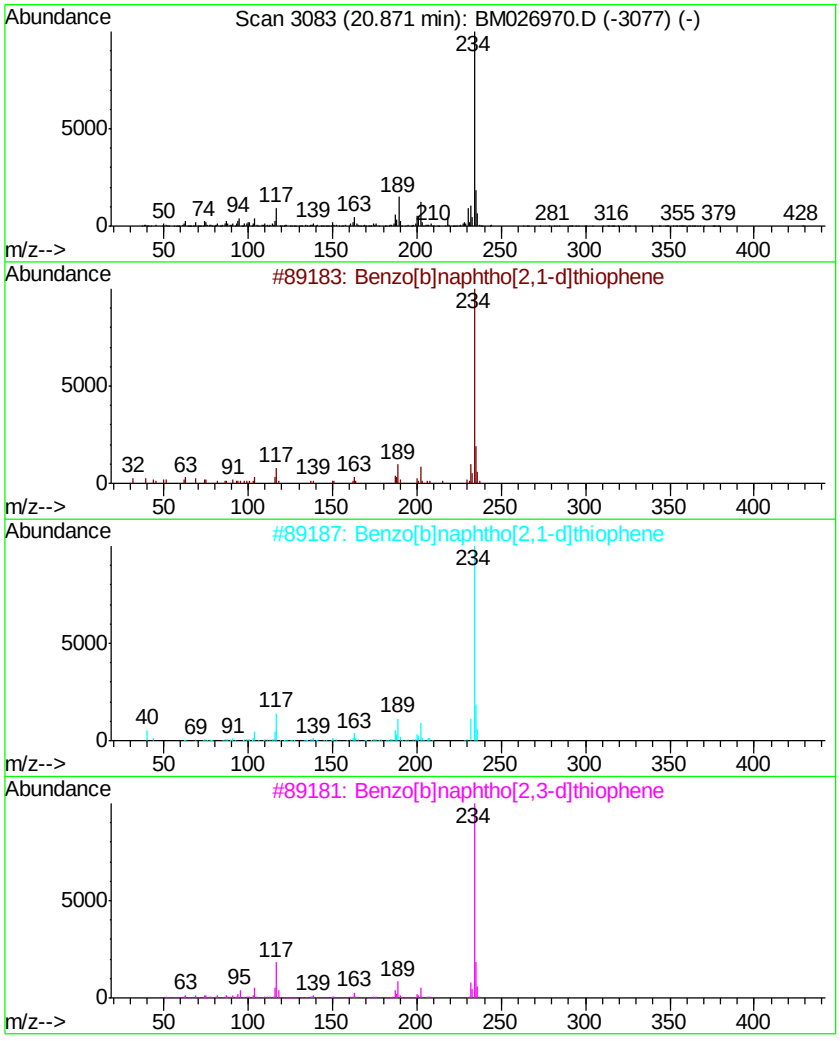
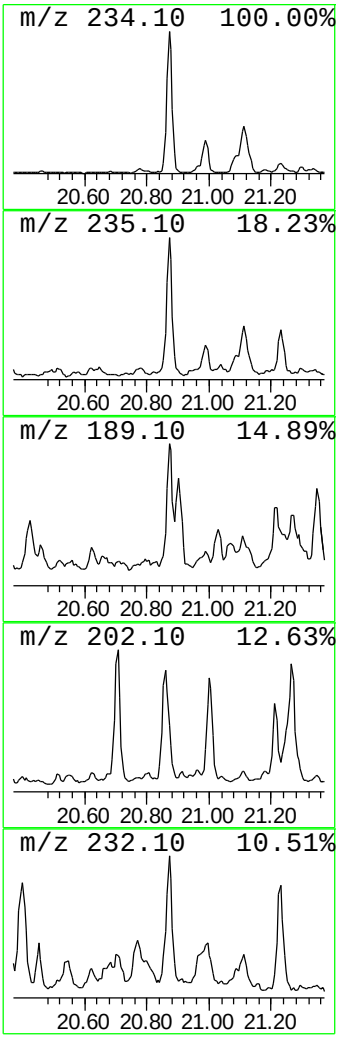
Peak Number 20 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.73 ng/ul	1394290	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	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91





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Misc :
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ClientSampleId : C0S93

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Quant Title : SVOA CALIBRATION

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

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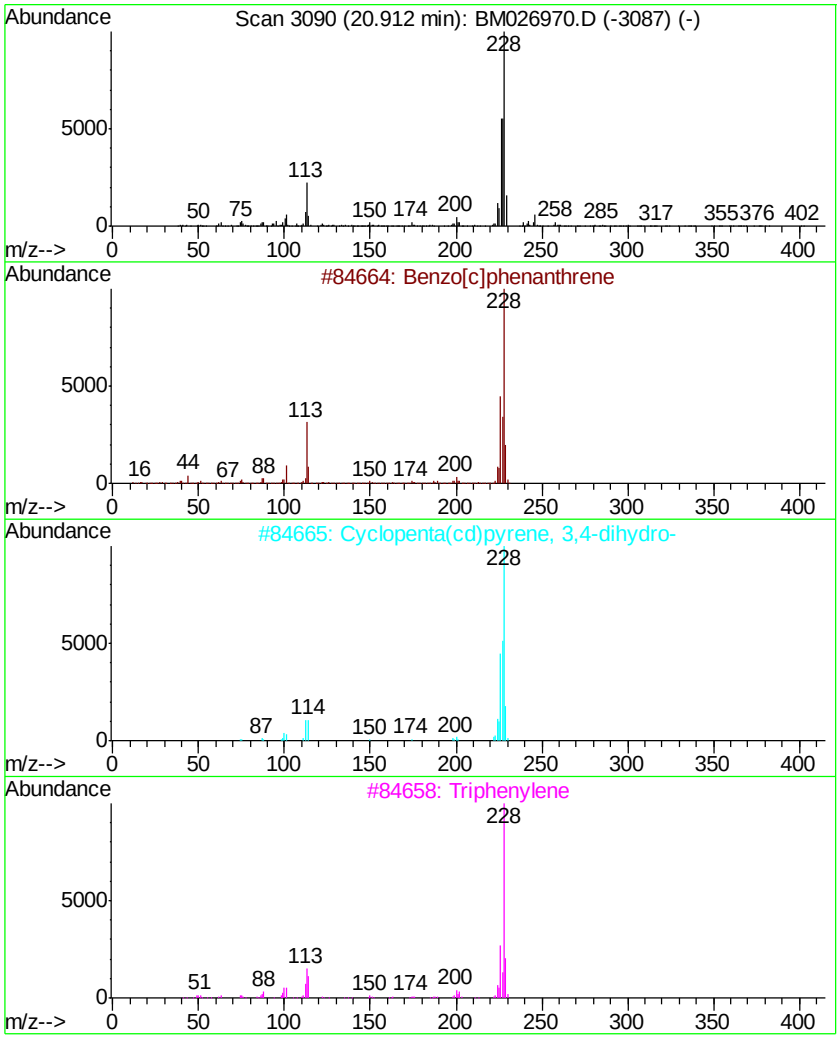
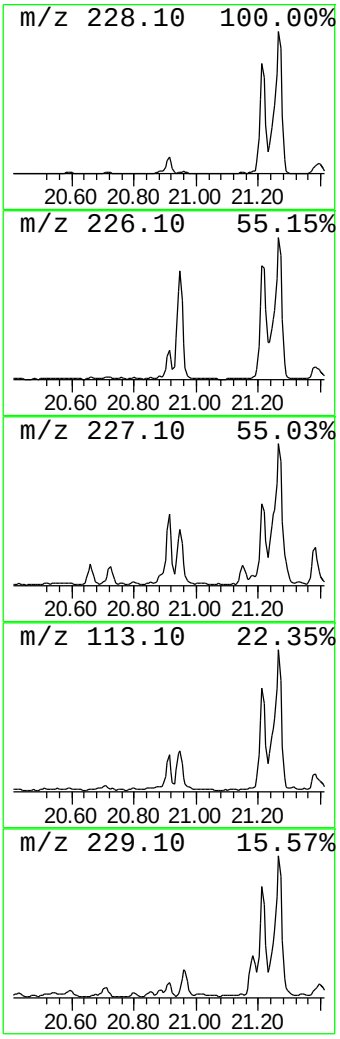
Peak Number 21 Benzo[c]phenanthrene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	2.29 ng/ul	854940	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	64
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	60
3	Triphenylene	228	C18H12	000217-59-4	50
4	Triphenylene	228	C18H12	000217-59-4	50
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	50





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Misc :
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Instrument : BNA_M
ClientSampleId : C0S93

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Quant Title : SVOA CALIBRATION

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

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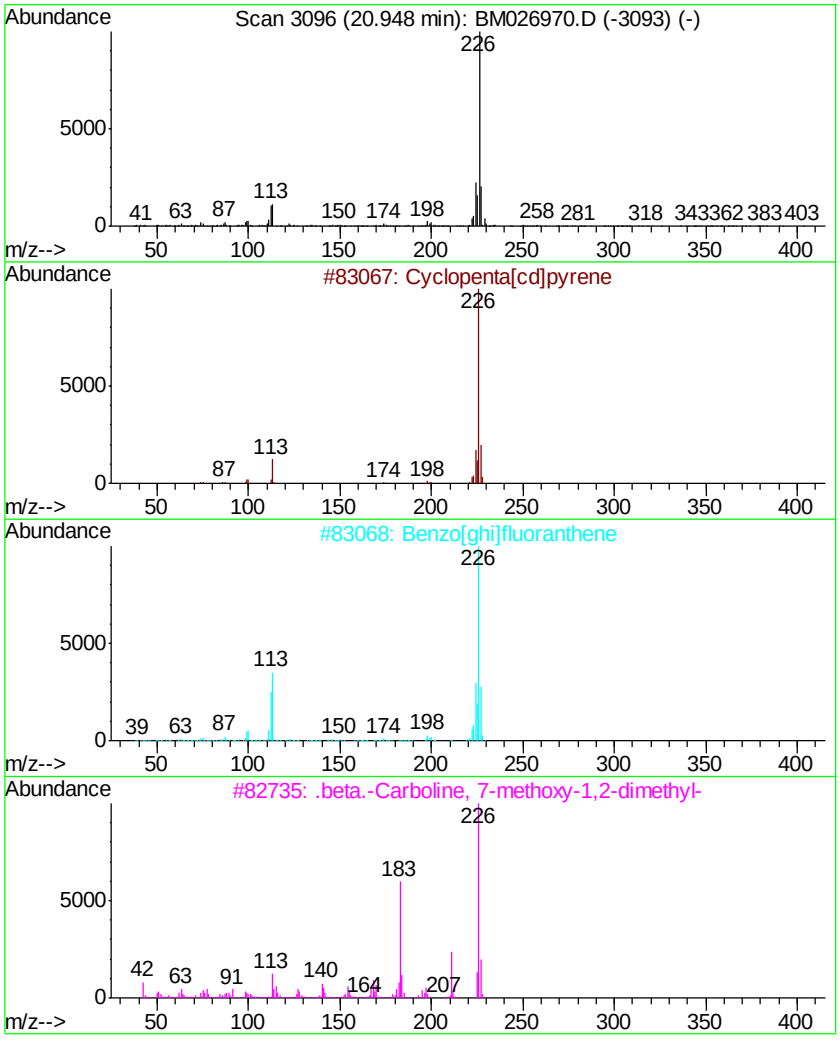
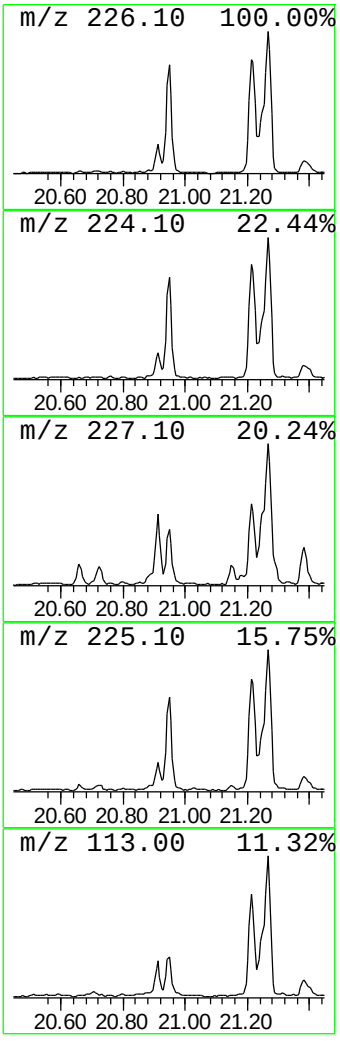
Peak Number 22 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	4.22 ng/ul	1577960	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	72
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	64
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
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	38





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Quant Title : SVOA CALIBRATION

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

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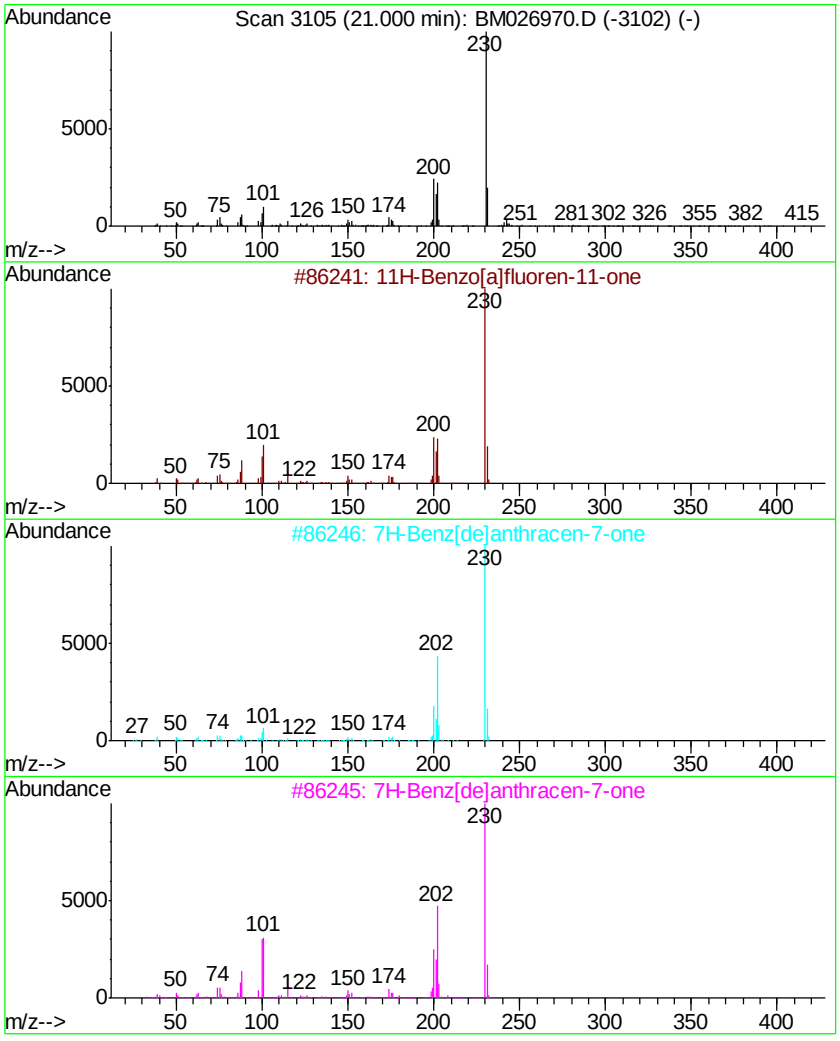
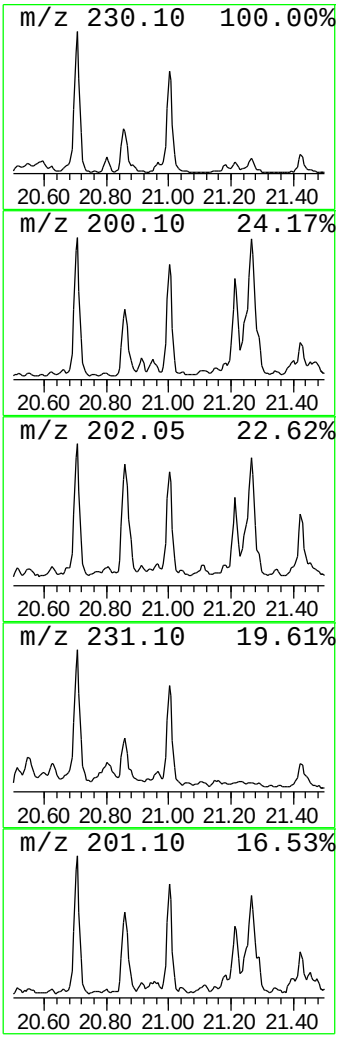
Peak Number 23 7H-Benz[de]anthracen-7-one Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	2.81 ng/ul	1051490	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	83
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





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Quant Title : SVOA CALIBRATION

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

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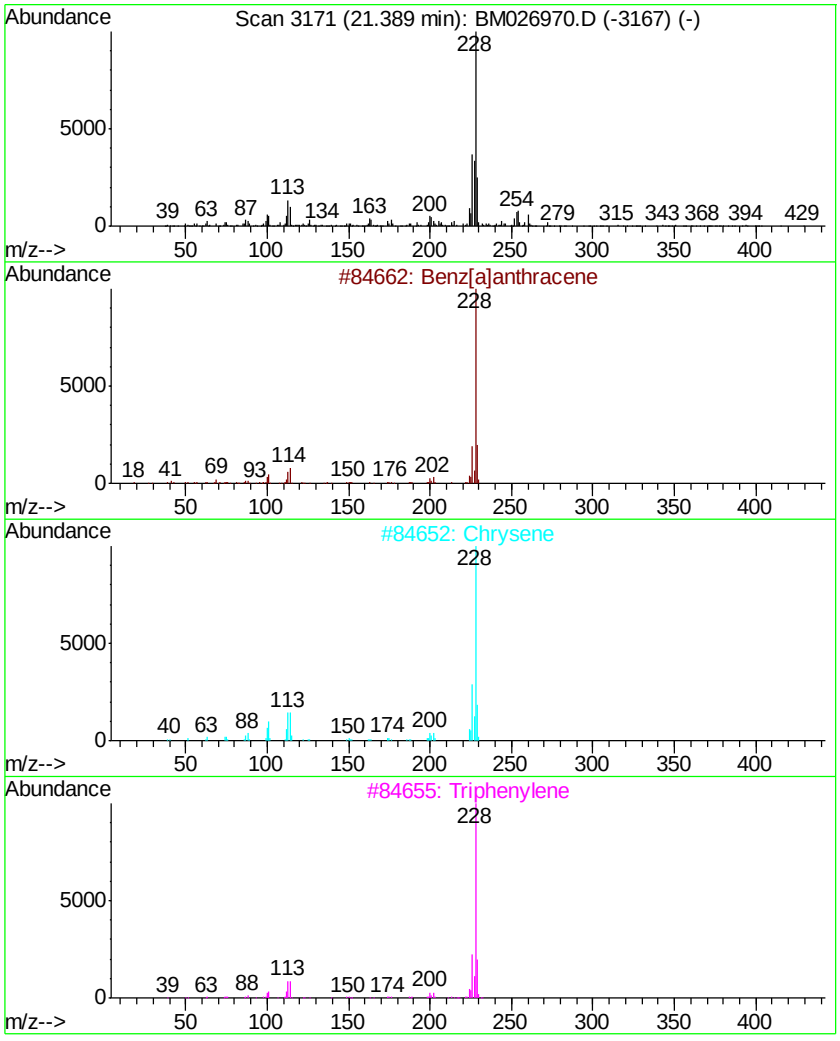
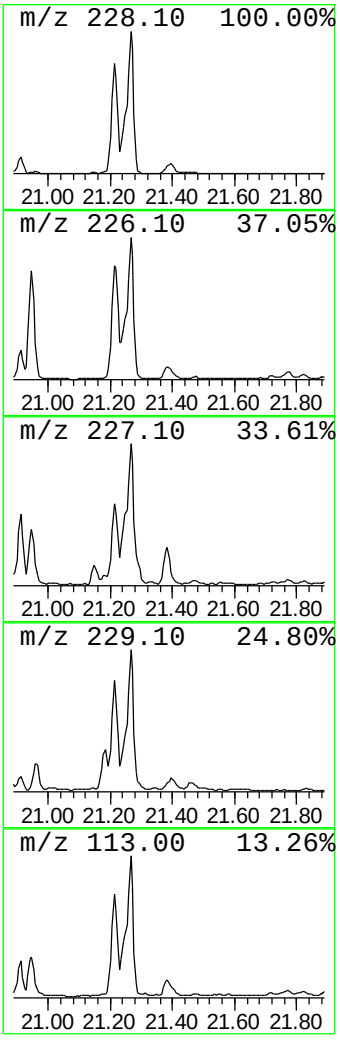
Peak Number 24 Triphenylene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.39	3.01 ng/ul	1125870	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene	228	C18H12	000056-55-3	92
2	Chrysene	228	C18H12	000218-01-9	78
3	Triphenylene	228	C18H12	000217-59-4	78
4	Benz[a]anthracene	228	C18H12	000056-55-3	64
5	Naphthacene	228	C18H12	000092-24-0	60





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

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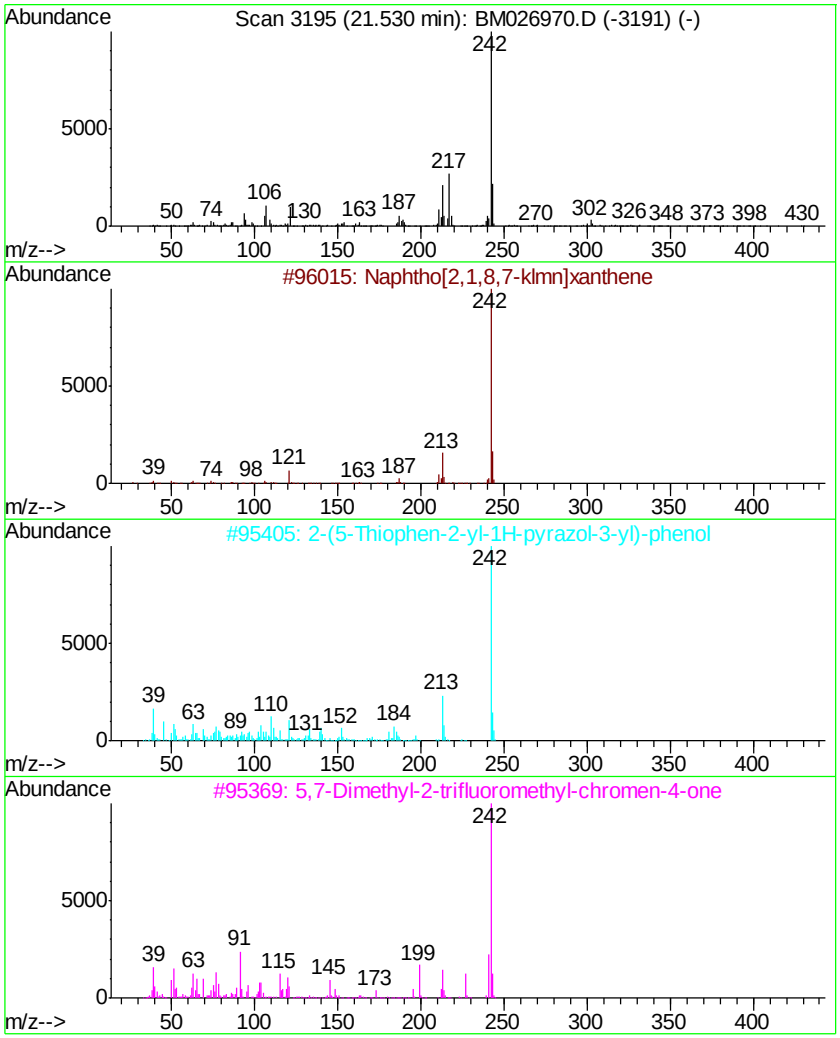
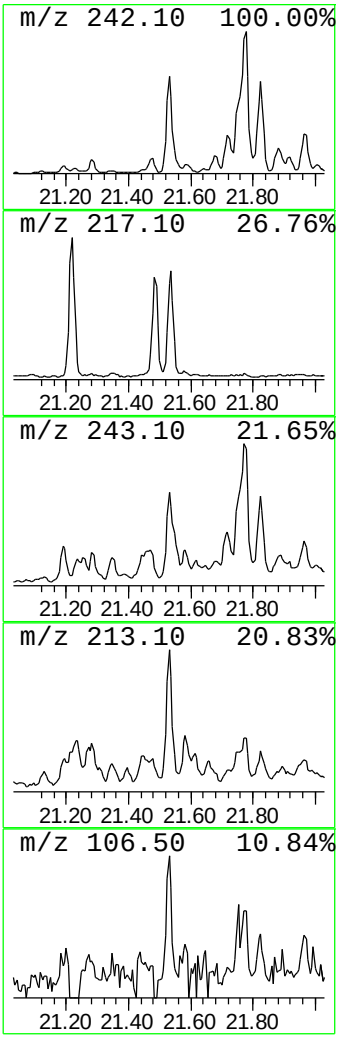
Peak Number 25 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.53	2.72 ng/ul	1016520	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	81
2	2-(5-Thiophen-2-yl-1H-pyrazol-3-...	242	C13H10N2OS	1000301-11-6	53
3	5,7-Dimethyl-2-trifluoromethyl-c...	242	C12H9F3O2	000321-42-6	50
4	4,4'-Dimethoxy-2,2'-dimethylbiph...	242	C16H18O2	046873-19-2	47
5	2,2'-(m-Phenylene)dithiophene	242	C14H10S2	104500-00-7	47





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Quant Title : SVOA CALIBRATION

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

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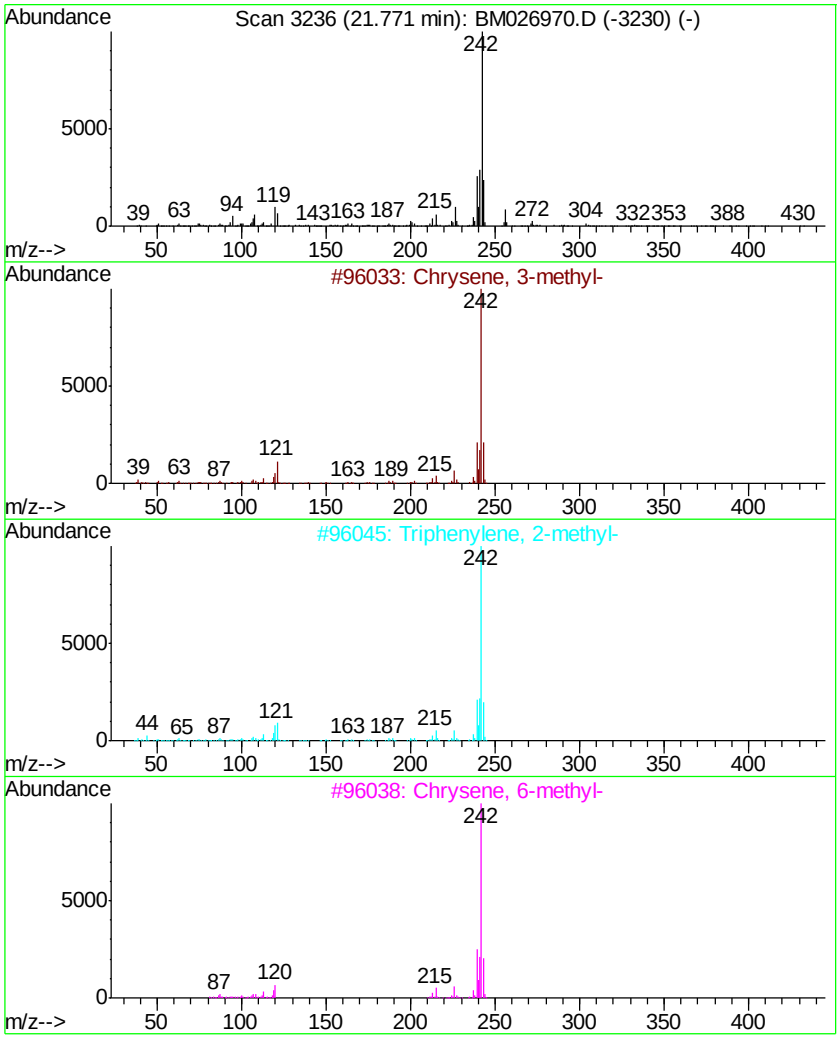
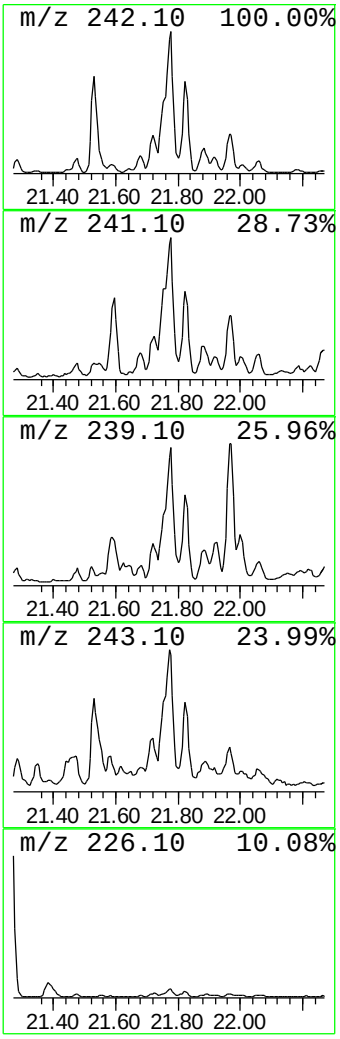
Peak Number 26 Chrysene, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	4.50 ng/ul	1679970	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 3-methyl-	242	C19H14	003351-31-3	93
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	90
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
5	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	89





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Quant Title : SVOA CALIBRATION

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

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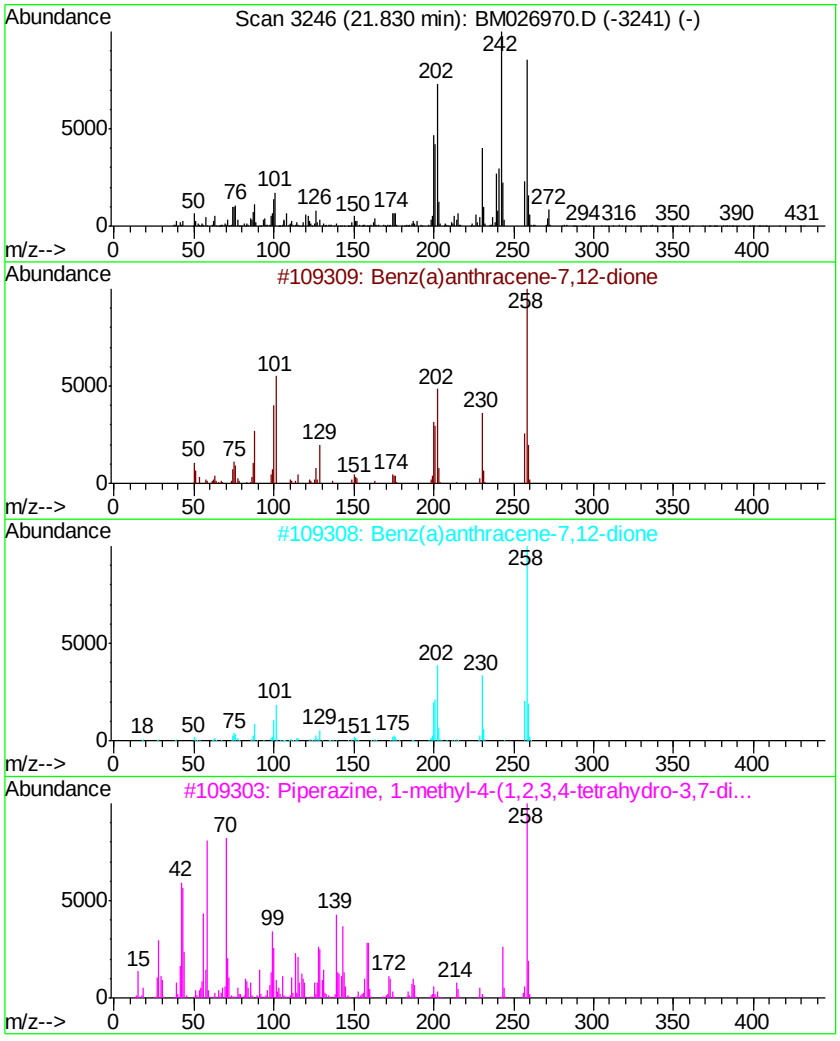
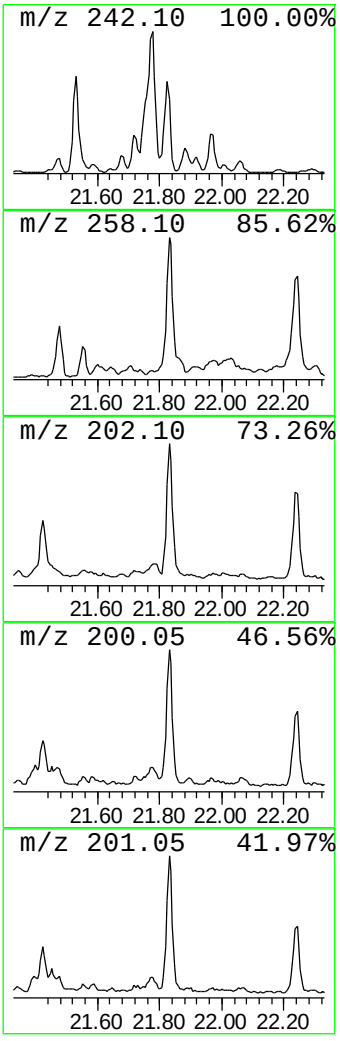
Peak Number 27 Benz(a)anthracene-7,12-dione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	4.04 ng/ul	1509960	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	91
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	90
3	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90
4	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	70
5	Fluoranthene	202	C16H10	000206-44-0	56





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Quant Title : SVOA CALIBRATION

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

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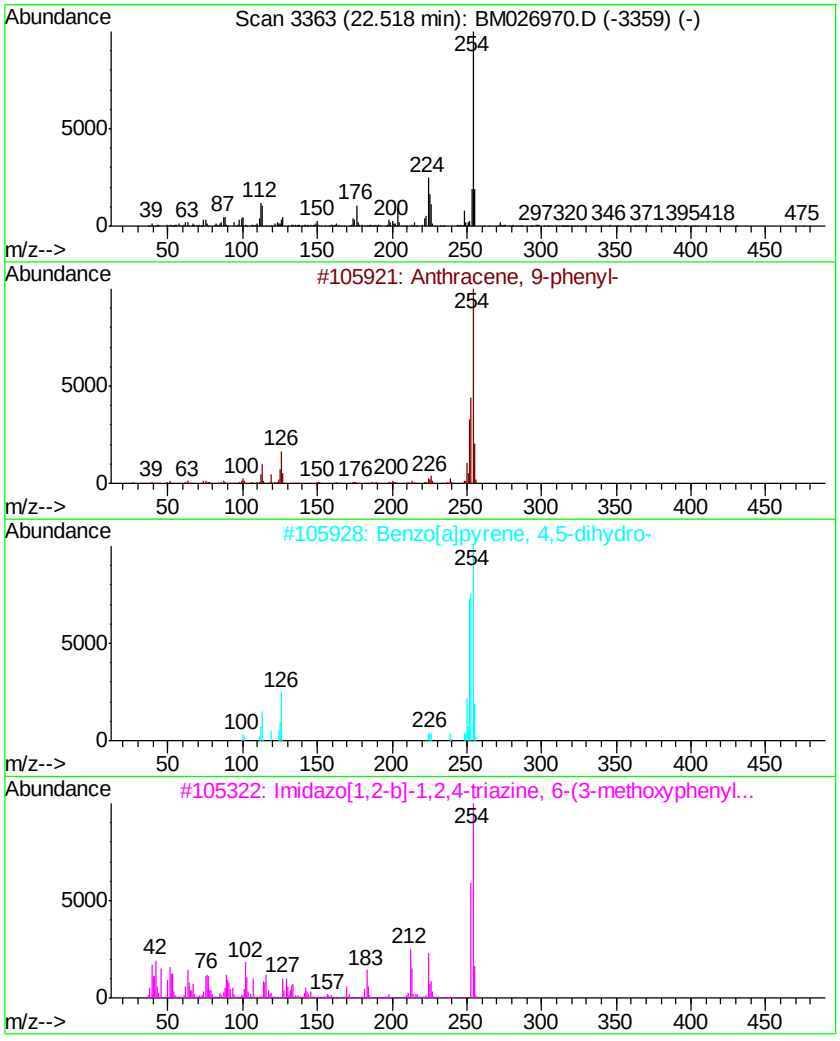
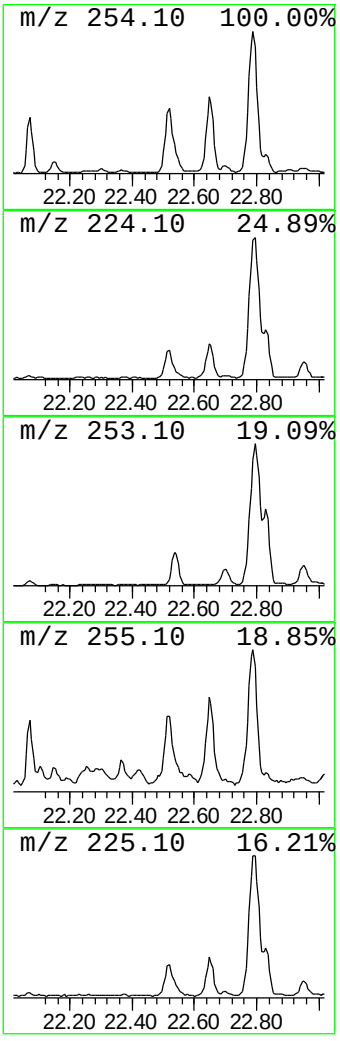
Peak Number 28 Anthracene, 9-phenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.52	18.74 ng/ul	1424620	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	68
2	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
3	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	59
4	1,1'-Binaphthalene	254	C20H14	000604-53-5	58
5	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	52





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Data File : BM026970.D
Acq On : 31 Jul 2020 22:21
Operator : JU/CG
Sample : L3424-18 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S93

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

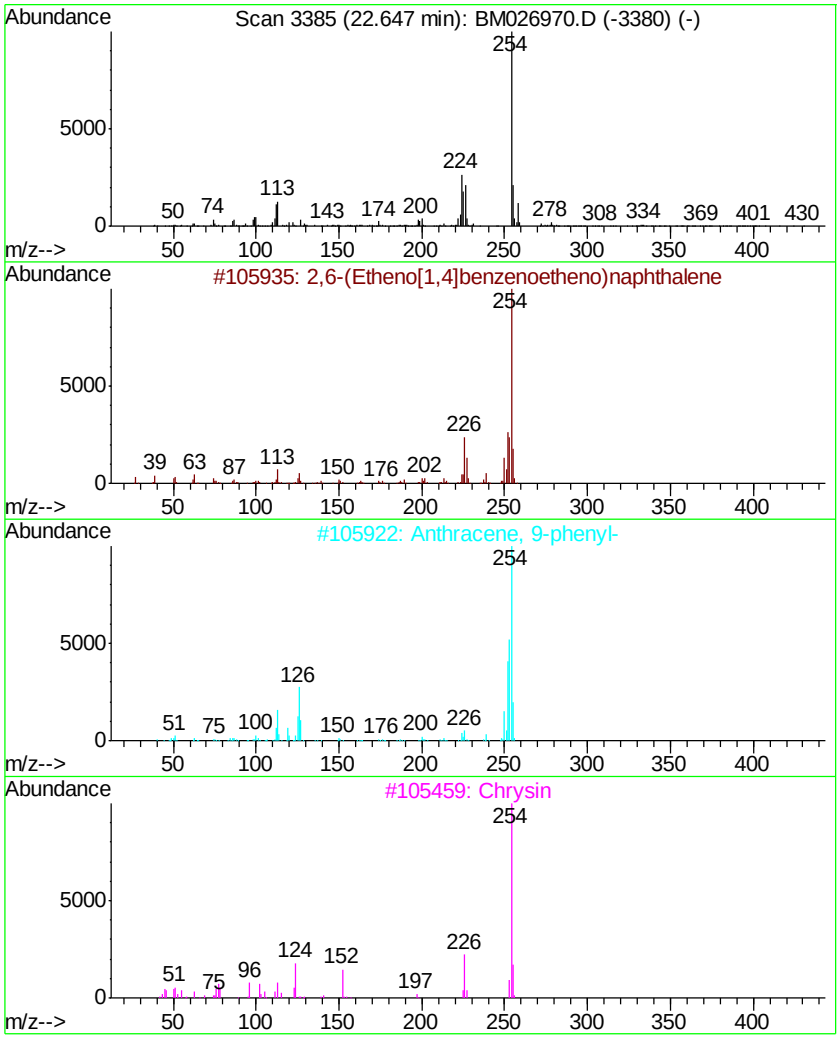
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

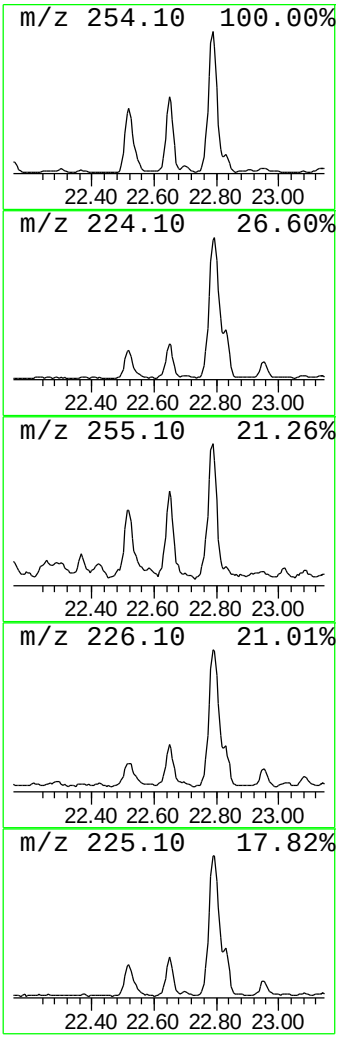
****

Peak Number 29 2,6-(Etheno[1,4]benzenoethe... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.65	12.21 ng/ul	928446	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	59
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	53
3	Chrysin	254	C15H10O4	000480-40-0	53
4	2,6-Di(2-furylmethylidene)cycloh...	254	C16H14O3	000893-00-5	53
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026970.D
Acq On : 31 Jul 2020 22:21
Operator : JU/CG
Sample : L3424-18 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S93

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

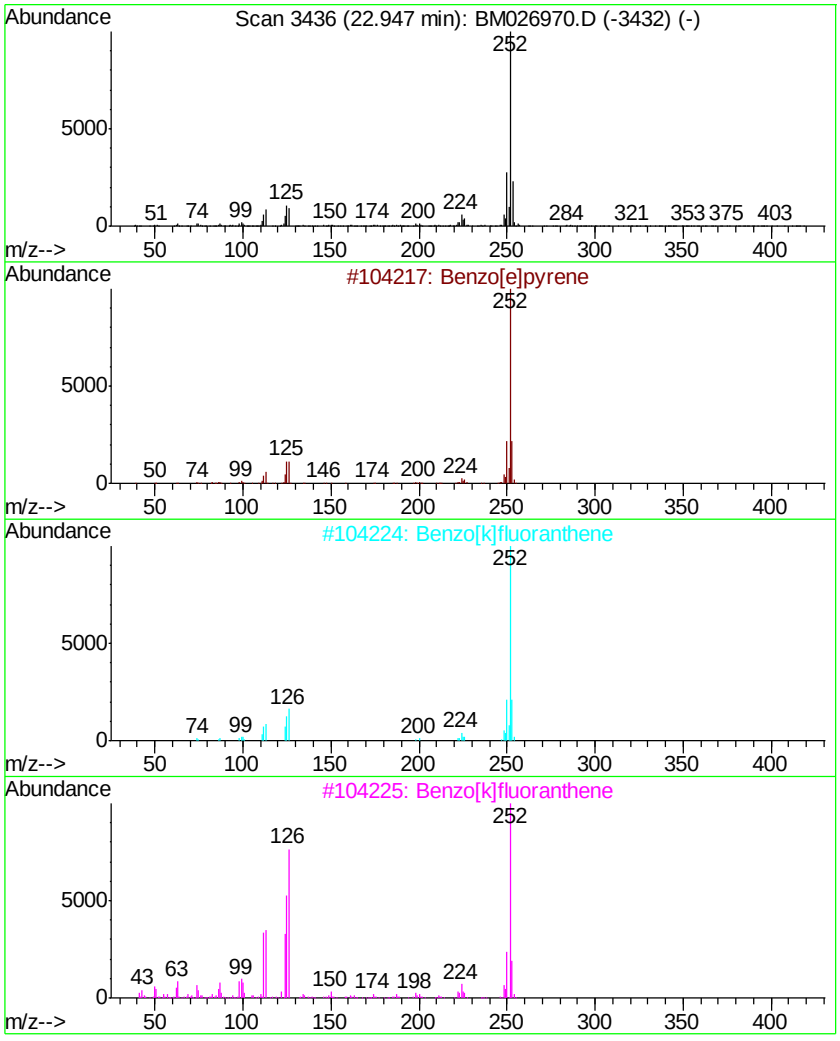
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

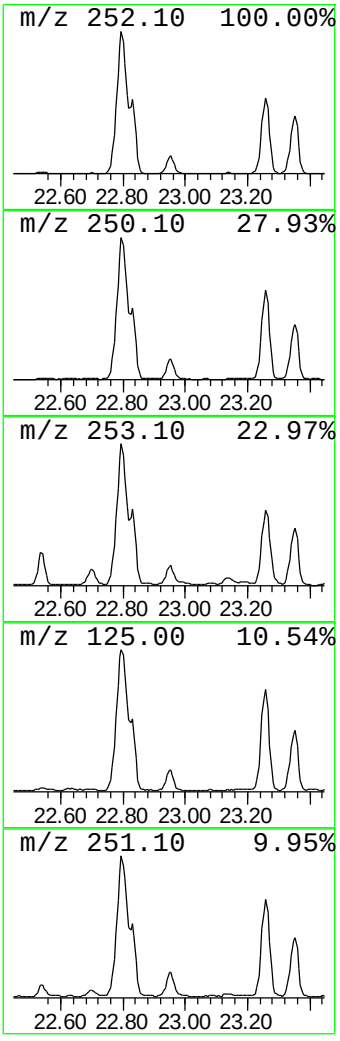
****

Peak Number 30 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.95	15.97 ng/ul	1213640	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026970.D
Acq On : 31 Jul 2020 22:21
Operator : JU/CG
Sample : L3424-18 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S93

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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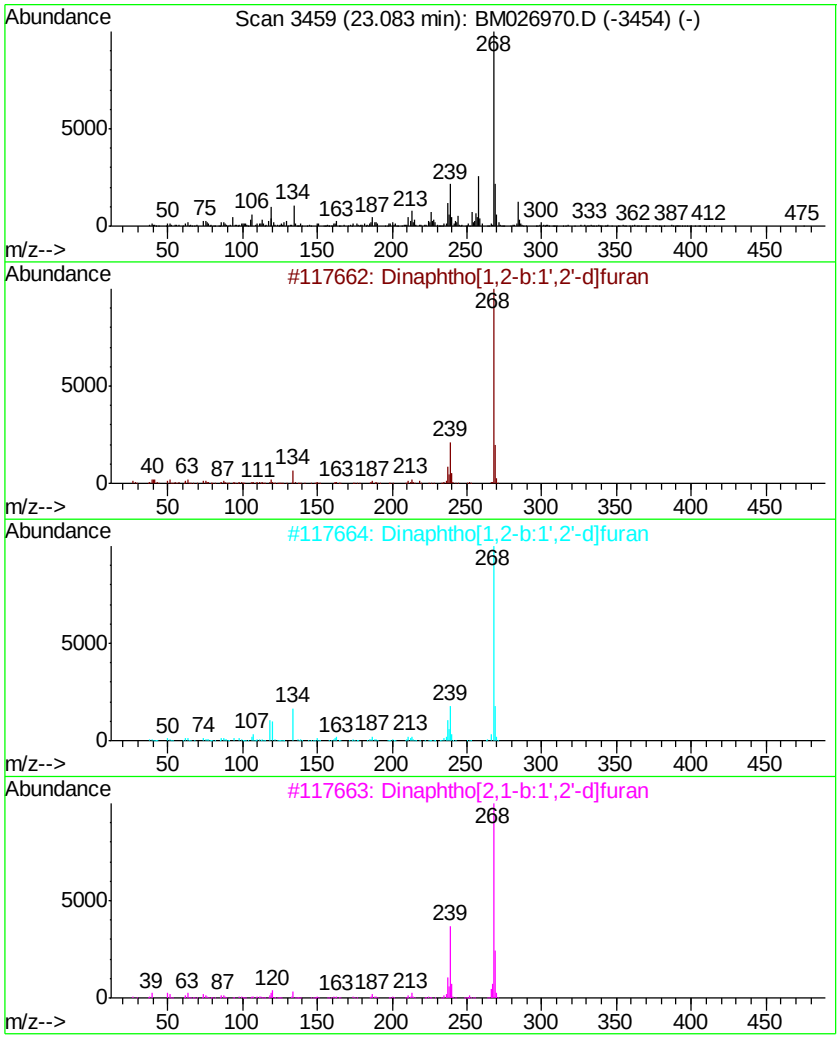
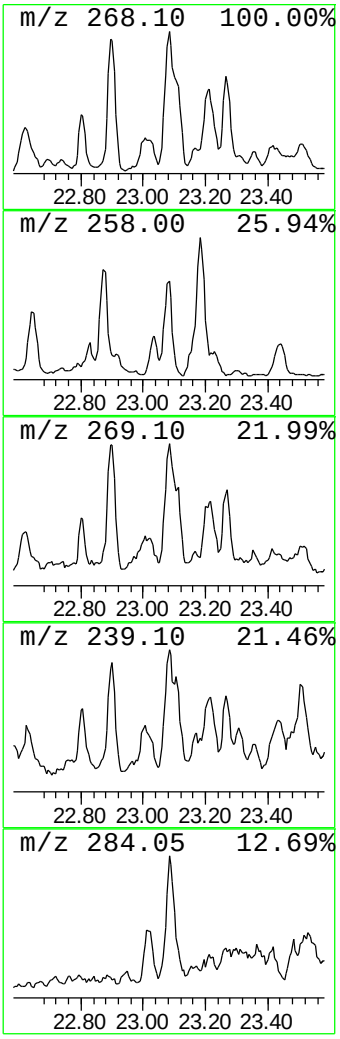
Peak Number 31 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.08	13.35 ng/ul	1014530	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	81
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	68
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	59
4	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	52
5	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM073120\
Data File : BM026970.D
Acq On : 31 Jul 2020 22:21
Operator : JU/CG
Sample : L3424-18 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S93

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	5.0	ng/ul	184686	1	7.66	745568	20.0
Butane, 2-methoxy...	2.98	17.1	ng/ul	637026	1	7.66	745568	20.0
Benzene, 1-propynyl-	8.20	3.1	ng/ul	117133	1	7.66	745568	20.0
1(2H)-Acenaphthyl...	16.01	2.1	ng/ul	159185	4	17.04	1527030	20.0
9H-Fluoren-9-one	16.69	2.7	ng/ul	204209	4	17.04	1527030	20.0
1,2-Benzenedicarb...	17.22	2.2	ng/ul	168073	4	17.04	1527030	20.0
Phenanthrene, 1-m...	17.95	6.4	ng/ul	490696	4	17.04	1527030	20.0
Phenanthrene, 2-m...	18.04	3.0	ng/ul	226030	4	17.04	1527030	20.0
unknown-01	18.10	6.0	ng/ul	458760	4	17.04	1527030	20.0
Anthrone	18.29	2.9	ng/ul	223735	4	17.04	1527030	20.0
5,16[1',2']:8,13[...	18.42	2.9	ng/ul	223335	4	17.04	1527030	20.0
9,10-Anthracenedione	18.45	6.8	ng/ul	517656	4	17.04	1527030	20.0
9,10-Dimethylanth...	18.84	5.8	ng/ul	439301	4	17.04	1527030	20.0
Phenanthrene, 2,3...	18.90	3.6	ng/ul	273527	4	17.04	1527030	20.0
Cyclopenta(def)ph...	18.97	8.9	ng/ul	679548	4	17.04	1527030	20.0
Pyrene, 1-methyl-	19.79	2.7	ng/ul	1020350	5	21.23	7472620	20.0
Fluoranthene, 2-m...	19.92	5.1	ng/ul	1897370	5	21.23	7472620	20.0
Pyrene, 2-methyl-	20.12	3.1	ng/ul	1157210	5	21.23	7472620	20.0
11H-Benzo[a]fluor...	20.71	3.6	ng/ul	1354580	5	21.23	7472620	20.0
Benzo[b]naphtho[2...	20.87	3.7	ng/ul	1394290	5	21.23	7472620	20.0
Benzo[c]phenanthrene	20.91	2.3	ng/ul	854940	5	21.23	7472620	20.0
Cyclopenta[cd]pyrene	20.95	4.2	ng/ul	1577960	5	21.23	7472620	20.0
7H-Benz[de]anthra...	21.00	2.8	ng/ul	1051490	5	21.23	7472620	20.0
Triphenylene	21.39	3.0	ng/ul	1125870	5	21.23	7472620	20.0
Naphtho[2,1,8,7-k...	21.53	2.7	ng/ul	1016520	5	21.23	7472620	20.0
Chrysene, 3-methyl-	21.77	4.5	ng/ul	1679970	5	21.23	7472620	20.0
Benz(a)anthracene...	21.83	4.0	ng/ul	1509960	5	21.23	7472620	20.0
Anthracene, 9-phe...	22.52	18.7	ng/ul	1424620	6	23.44	1520340	20.0
2,6-(Etheno[1,4]b...	22.65	12.2	ng/ul	928446	6	23.44	1520340	20.0
Benzo[e]pyrene	22.95	16.0	ng/ul	1213640	6	23.44	1520340	20.0
Dinaphtho[1,2-b:1...	23.08	13.4	ng/ul	1014530	6	23.44	1520340	20.0