LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\
Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

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-BM102319MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.792	641	647	663	rVB	1220206	2152659	1.56%	0.164%
2	6.951	669	674	684	rVV	882560	1441791	1.05%	0.110%
3	7.063	687	693	698	rVV	1019877	1631507	1.18%	0.124%
4	7.145	702	707	716	rVB	1234506	1981600	1.44%	0.151%
5	7.610	780	786	793	rBV	1534575	2408867	1.75%	0.183%
6	8.322	897	907	917	rBV	1331441	2141325	1.55%	0.163%
7	8.757	973	981	993	rBV	1169344	2007025	1.46%	0.153%
8	9.480	1096	1104	1112	rBV	922990	1558362	1.13%	0.119%
9	10.016	1188	1195	1205	rBV	1463037	2431566	1.77%	0.185%
10	10.386	1250	1258	1264	rBV	2039514	3499618	2.54%	0.266%
11	13.680	1812	1818	1822	rVV	2485763	3580196	2.60%	0.272%
12	13.721	1822	1825	1831	rVB	1152711	1591228	1.16%	0.121%
13	13.951	1857	1864	1866	rBV	2942271	4518788	3.28%	0.344%
14	13.980	1866	1869	1880	rVB	2833996	4184119	3.04%	0.318%
15	14.262	1909	1917	1923	rBV	3027812	4686899	3.40%	0.357%
16	14.662	1979	1985	1995	rVV	809671	1655067	1.20%	0.126%
17	15.257	2080	2086	2091	rBV	3792444	5414131	3.93%	0.412%
18	15.310	2091	2095	2104	rVB2	898884	1409648	1.02%	0.107%
19	15.757	2157	2171	2180	rBV	801478	1703891	1.24%	0.130%
20	16.668	2321	2326	2334	rVV	1488604	2305502	1.67%	0.175%
21	16.762	2334	2342	2346	rVV2	801352	1795774	1.30%	0.137%
22	16.827	2346	2353	2363	rVB	2086073	3303577	2.40%	0.251%
23	17.009	2378	2384	2387	rBV	3358376	5274172	3.83%	0.401%
24	17.062	2387	2393	2397	rVV2	37770117	58899560	42.76%	4.483%
25	17.109	2397	2401	2404	rVV	4488385	6874671	4.99%	0.523%
26	17.145	2404	2407	2412	rVV	9231562	11716751	8.51%	0.892%
27	17.409	2444	2452	2457	rBV	3331343	5317654	3.86%	0.405%
28	17.533	2468	2473	2478	rVV	1498103	2100681	1.53%	0.160%
29	17.886	2523	2533	2537	rBV	3906238	5749714	4.17%	0.438%
30	17.933	2537	2541	2549	rVB	6170806	8450803	6.14%	0.643%
31	18.015	2549	2555	2560	rBV	1864782	2584894	1.88%	0.197%
32	18.080	2560	2566	2570	rBV2	5896586	10427716	7.57%	0.794%
33	18.115	2570	2572	2580	rVB	2674983	3190813	2.32%	0.243%
34	18.209	2580	2588	2590	rBV2	809142	1470268	1.07%	0.112%

LSC Area Percent Report

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Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

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-BM102319MA.M
Title : SVOA CALIBRATION

35	18.392	2614	2619	2623	rVV	5377161	7357000	5.34%	0.560%
36	18.433	2623	2626	2632	rVB	5131891	6866237	4.98%	0.523%
37	18.639	2653	2661	2666	rBV2	1171973	2225054	1.62%	0.169%
38	18.815	2686	2691	2697	rVB2	1452253	2809305	2.04%	0.214%
39	18.962	2710	2716	2723	rBV	4865984	7456014	5.41%	0.567%
40	19.097	2729	2739	2743	rVV2	59902344	120738491	87.66%	9.189%
41	19.150	2743	2748	2750	rVV	1432439	2710642	1.97%	0.206%
42	19.180	2750	2753	2757	rVV	2111334	3760411	2.73%	0.286%
43	19.227	2757	2761	2766	rVV	3699175	6404026	4.65%	0.487%
44	19.321	2766	2777	2788	rVV2	4542499	13745924	9.98%	1.046%
45	19.462	2788	2801	2806	rVV5	55529206	137742788	100.00%	10.483%
46	19.515	2806	2810	2817	rVB	3487833	5172306	3.76%	0.394%
47	19.627	2823	2829	2834	rBV	5616378	7534754	5.47%	0.573%
48	19.680	2834	2838	2845	rVB	2277232	3553689	2.58%	0.270%
49	19.780	2846	2855	2859	rBV3	4481532	11698767	8.49%	0.890%
50	19.821	2859	2862	2866	rVB	1282292	1459150	1.06%	0.111%
51	19.903	2871	2876	2879	rBV2	3576834	6263760	4.55%	0.477%
52	20.097	2903	2909	2913	rVV2	6250986	10490113	7.62%	0.798%
53	20.139	2913	2916	2920	rVV2	1838697	2460911	1.79%	0.187%
54	20.180	2920	2923	2928	rVV2	1247610	1831707	1.33%	0.139%
55	20.239	2929	2933	2937	rVV	2976124	3913706	2.84%	0.298%
56	20.286	2937	2941	2945	rVV3	3450041	5282832	3.84%	0.402%
57	20.503	2973	2978	2981	rBV4	1157866	2204088	1.60%	0.168%
58	20.692	3006	3010	3017	rVB	10184122	13119816	9.52%	0.999%
59	20.856	3031	3038	3041	rBV2	8210833	13954771	10.13%	1.062%
60	20.897	3041	3045	3048	rVV	8448805	11094743	8.05%	0.844%
61	20.939	3048	3052	3057	rVV2	9590835	18857926	13.69%	1.435%
62	20.991	3057	3061	3070	rVB	9336772	13639895	9.90%	1.038%
63	21.097	3071	3079	3084	rBV	2451840	5835267	4.24%	0.444%
64	21.209	3088	3098	3102	rVV4	49032291	90795282	65.92%	6.910%
65	21.262	3102	3107	3116	rVV2	41799081	66535402	48.30%	5.064%
66	21.368	3121	3125	3130	rVV	4952649	6713193	4.87%	0.511%
67	21.415	3130	3133	3137	rVV2	2548232	4022286	2.92%	0.306%
68	21.468	3139	3142	3146	rVB2	3382425	4724728	3.43%	0.360%
69	21.521	3146	3151	3156	rBV2	7297844	10727521	7.79%	0.816%
70	21.574	3156	3160	3164	rVV2	1901105	2392388	1.74%	0.182%
71	21.703	3179	3182	3185	rVV	1642541	2161202	1.57%	0.164%

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Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Title : SVOA CALIBRATION

72	21.756	3185	3191	3195	rVV	6006417	8941250	6.49%	0.680%
73	21.809	3196	3200	3205	rVB2	3541352	5286091	3.84%	0.402%
74	21.874	3207	3211	3214	rBV2	1795651	2363974	1.72%	0.180%
75	21.950	3219	3224	3226	rVV	3186139	4656616	3.38%	0.354%
76	21.974	3226	3228	3234	rVV4	2284648	3184735	2.31%	0.242%
77	22.044	3235	3240	3249	rVV3	2682197	4959008	3.60%	0.377%
78	22.227	3267	3271	3276	rBV2	2203323	4365522	3.17%	0.332%
79	22.274	3276	3279	3285	rVB4	1877188	3057271	2.22%	0.233%
80	22.397	3297	3300	3305	rVB	1437233	2135344	1.55%	0.163%
81	22.509	3313	3319	3331	rBV2	4484149	10338514	7.51%	0.787%
82	22.680	3344	3348	3353	rVB	1686807	2872440	2.09%	0.219%
83	22.774	3354	3364	3368	rBV2	38687004	98755510	71.70%	7.516%
84	22.927	3385	3390	3396	rVB	7911029	11900921	8.64%	0.906%
85	23.056	3406	3412	3420	rBV	3132404	8693908	6.31%	0.662%
86	23.238	3434	3443	3448	rBV	21848562	47139119	34.22%	3.588%
87	23.338	3452	3460	3465	rVB2	34249783	68145306	49.47%	5.186%
88	23.415	3468	3473	3476	rVV	3278677	5908995	4.29%	0.450%
89	23.462	3476	3481	3489	rVB	13023725	24840622	18.03%	1.891%
90	23.962	3559	3566	3573	rVB3	1310783	3870117	2.81%	0.295%
91	24.944	3727	3733	3738	rBV3	1430051	3147142	2.28%	0.240%
92	25.103	3754	3760	3775	rVB4	2091580	8275116	6.01%	0.630%
93	25.315	3791	3796	3801	rBV2	1482656	3472004	2.52%	0.264%
94	25.385	3803	3808	3820	rVB4	2804973	7199669	5.23%	0.548%
95	25.638	3839	3851	3858	rVB	20338792	62062890	45.06%	4.723%
96	25.721	3860	3865	3873	rVB	1428883	3251991	2.36%	0.247%
97	25.868	3884	3890	3897	rVB	3429782	8491193	6.16%	0.646%
98	25.956	3899	3905	3943	rVB3	3205256	17510911	12.71%	1.333%
99	26.315	3952	3966	3977	rVB	15187968	50272693	36.50%	3.826%
100	26.638	4015	4021	4040	rVB2	3297569	11136023	8.08%	0.848%

Sum of corrected areas: 1313951827

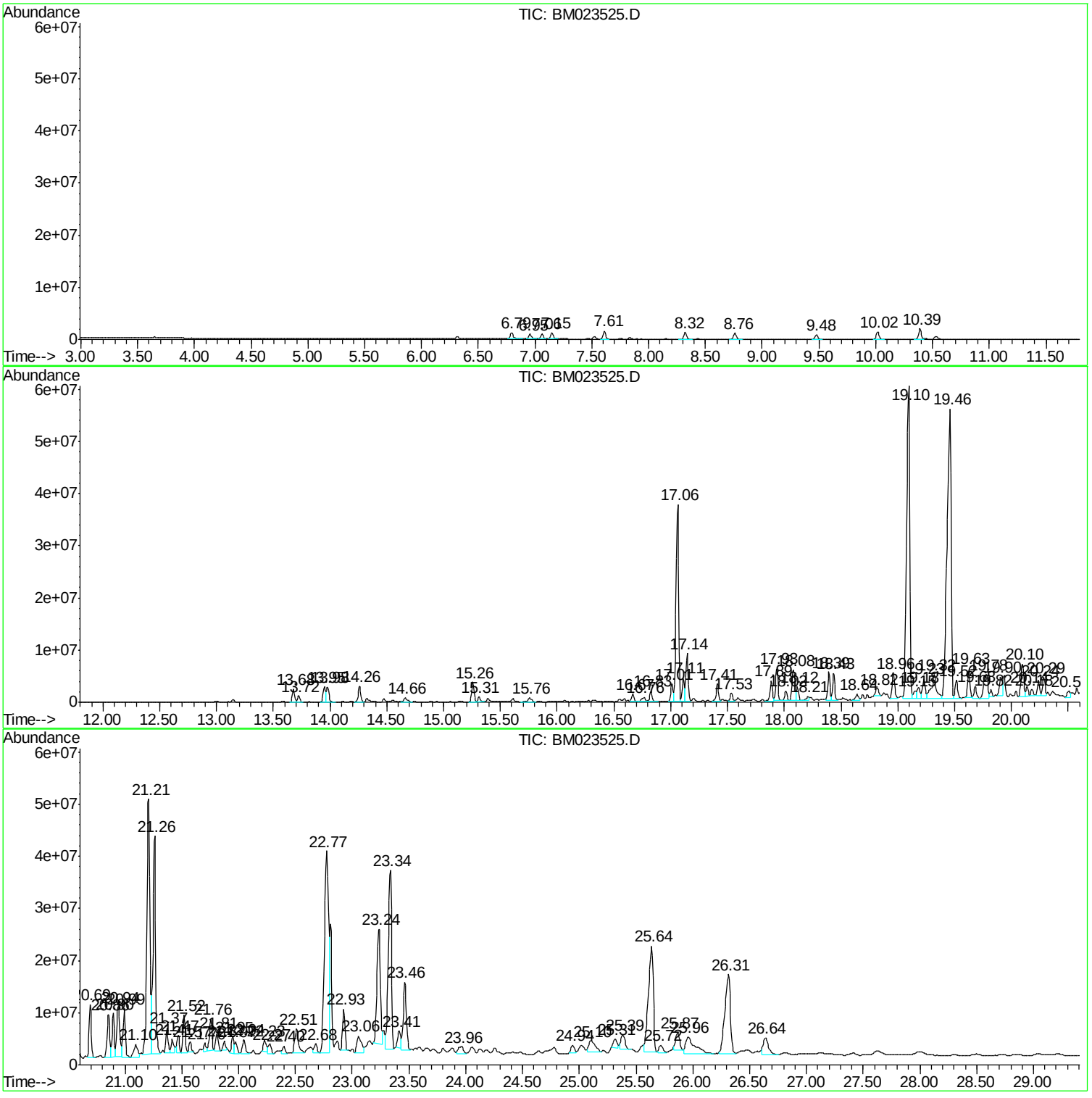
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\
Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.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\BM103119\
Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

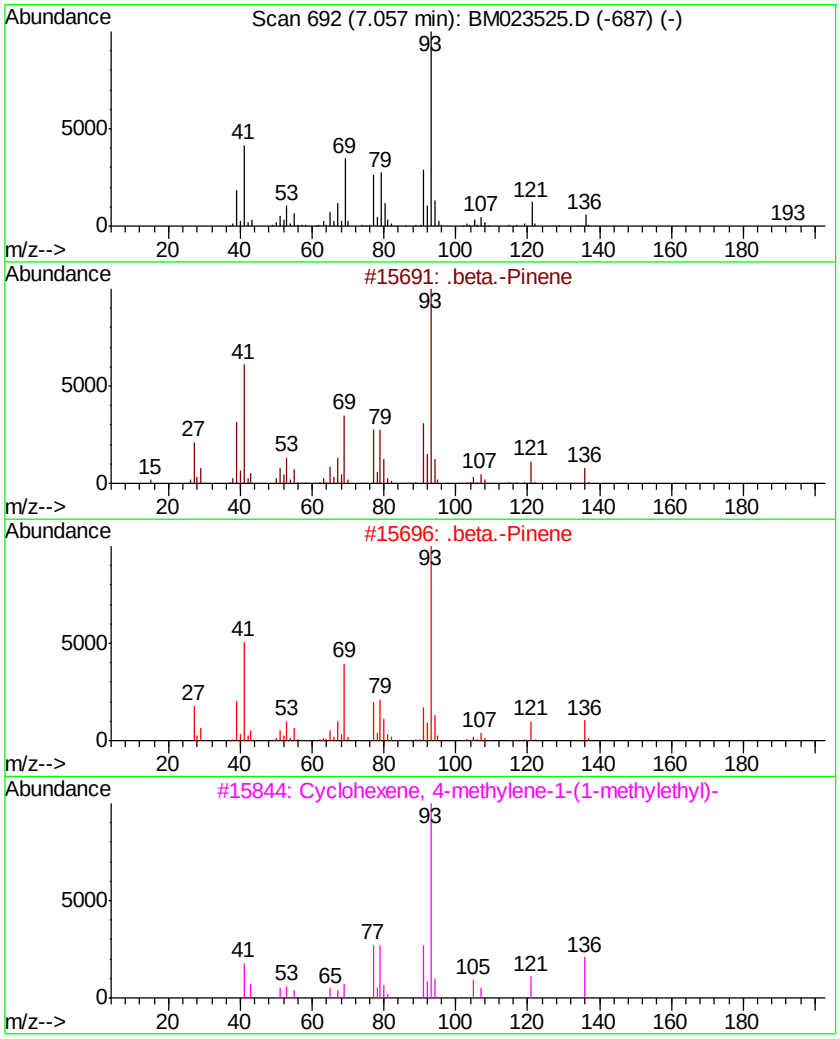
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

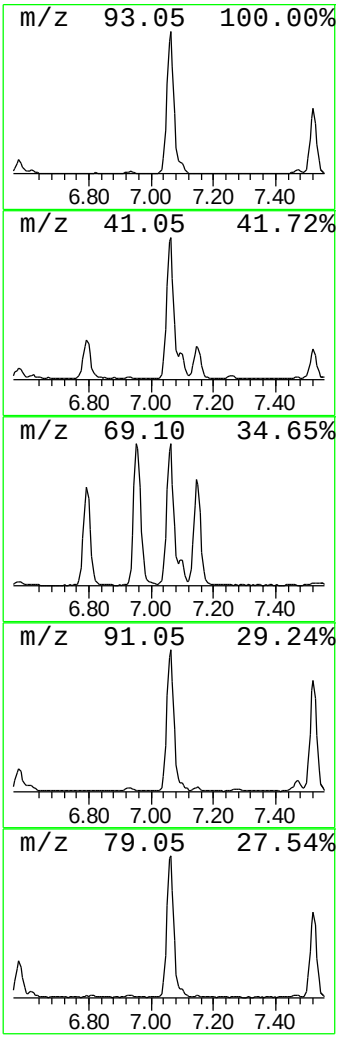
****

Peak Number 1 .beta.-Pinene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	13.55 ng/ul	1631510	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	96
2	.beta.-Pinene	136	C10H16	000127-91-3	91
3	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
4	.beta.-Pinene	136	C10H16	000127-91-3	91
5	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\
Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

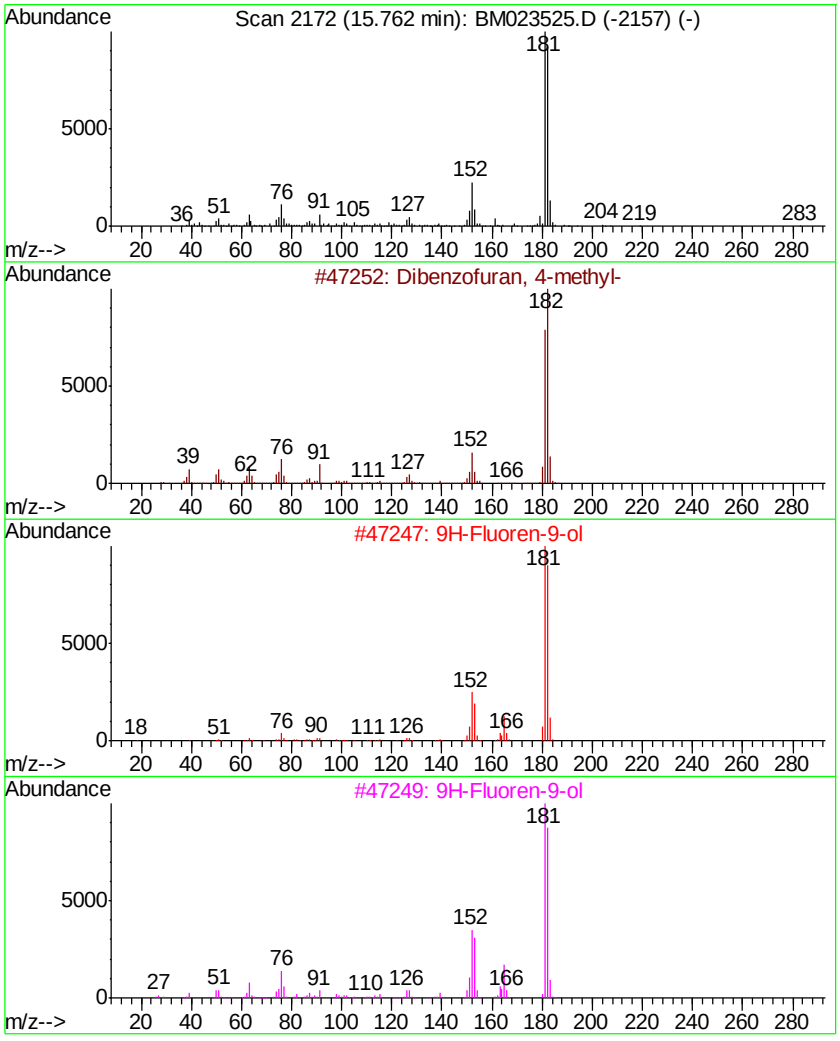
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

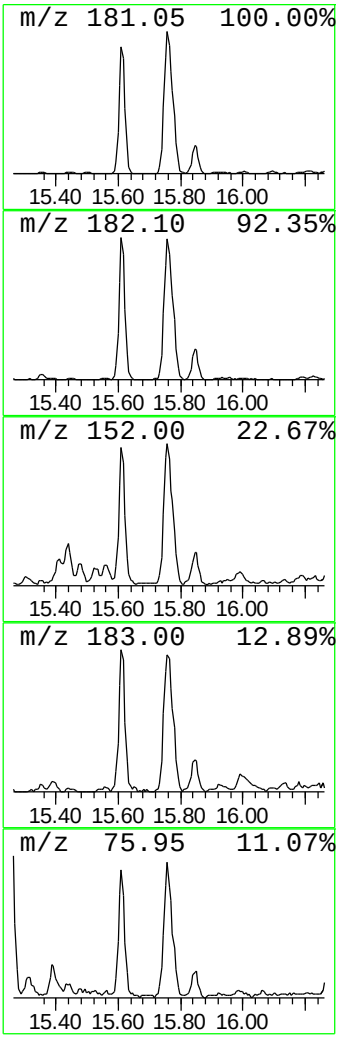
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	6.46 ng/ul	1703890	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	89
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	74
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\
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Acq On : 31 Oct 2019 18:27
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Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

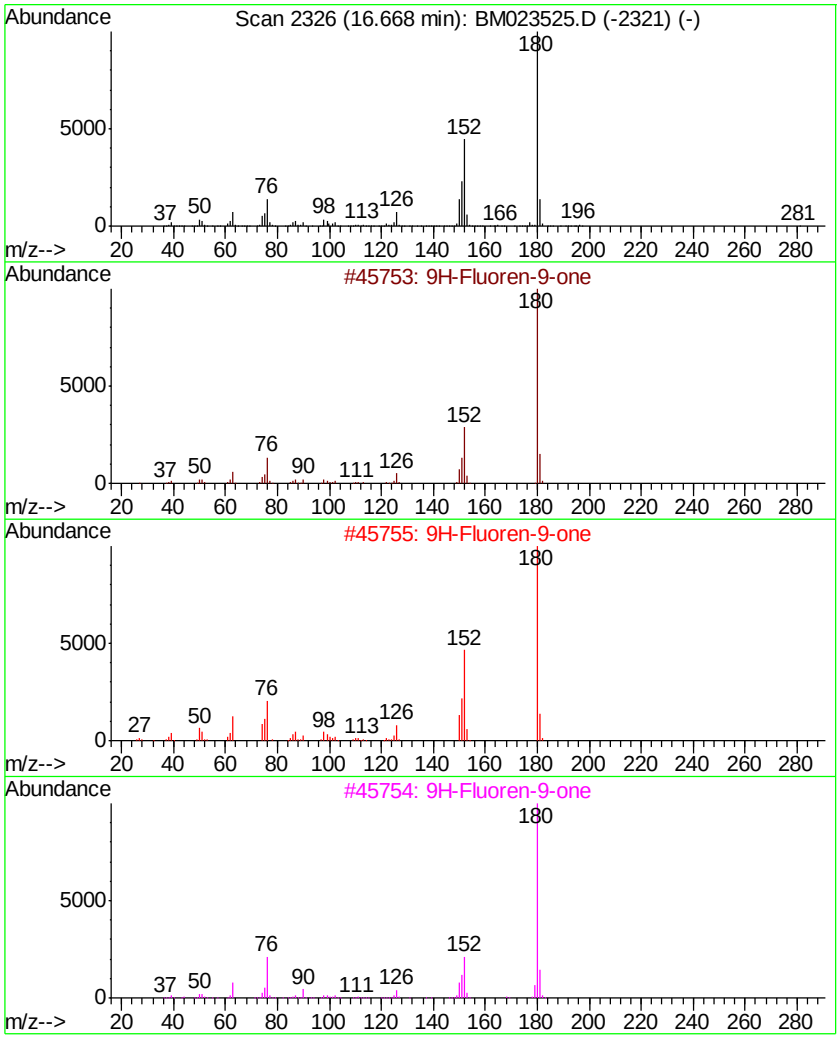
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

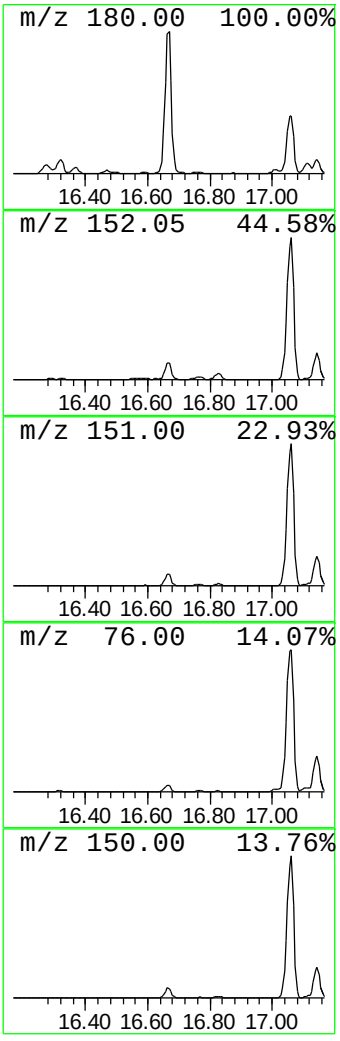
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	8.74 ng/ul	2305500	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\
Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

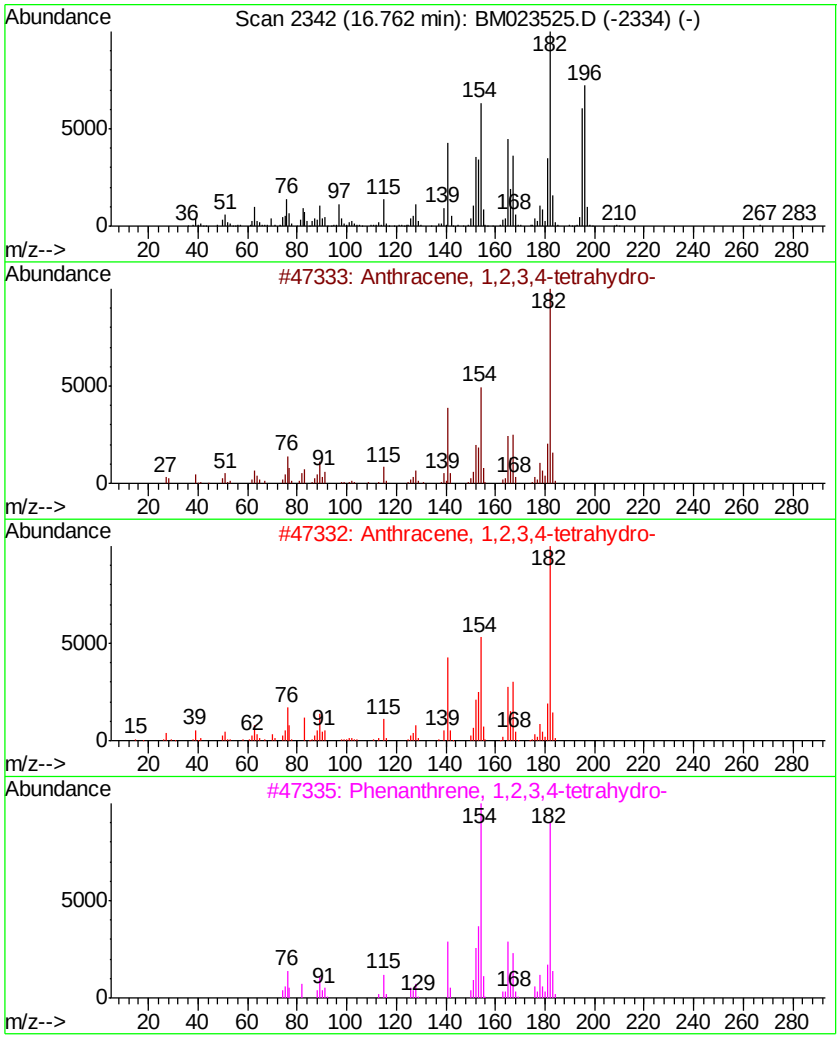
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

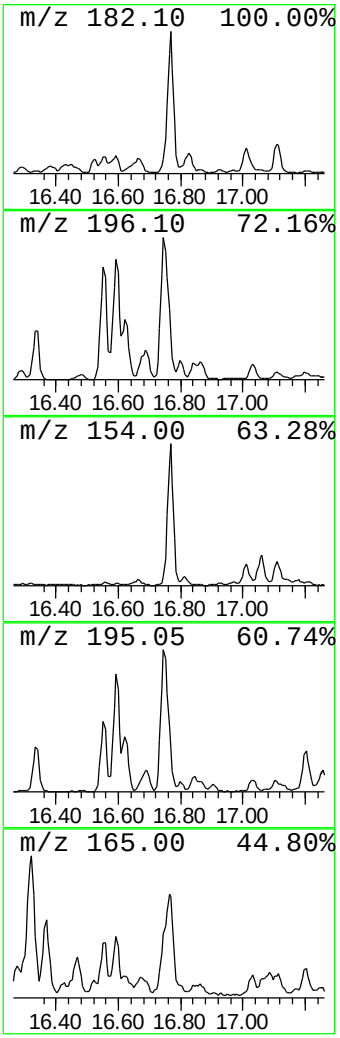
****

Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	6.81 ng/ul	1795770	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	86
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	86
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	70
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	55
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	52





Library Search Compound Report

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Data File : BM023525.D
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Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

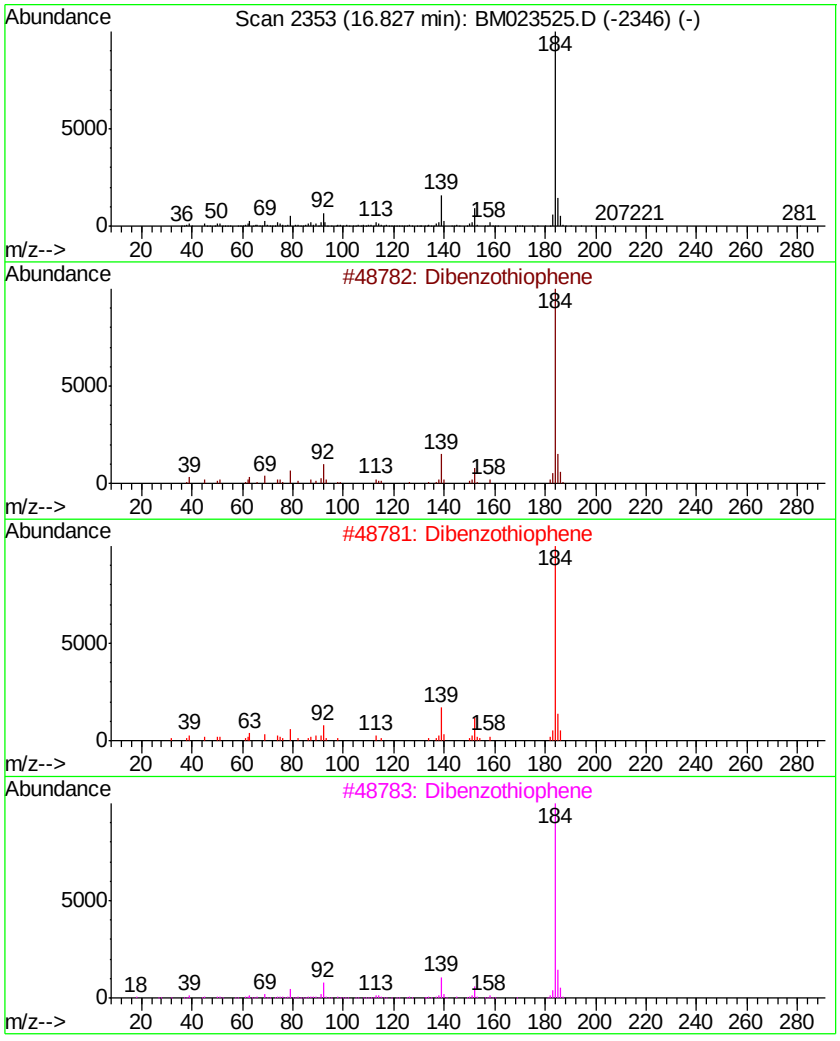
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

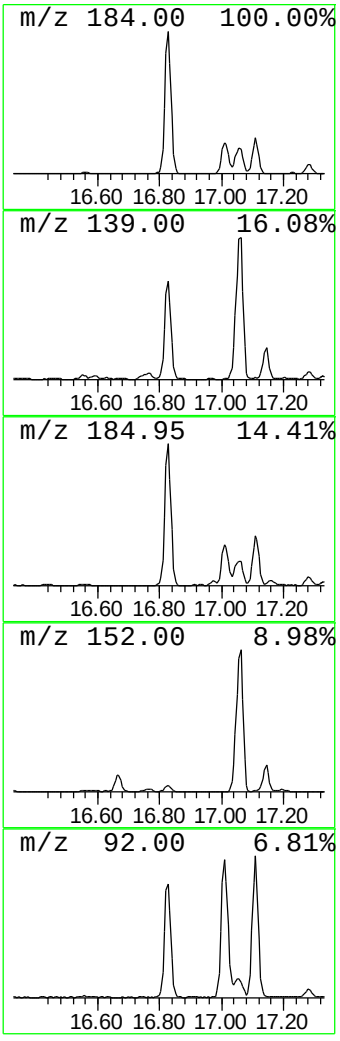
****

Peak Number 5 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	12.53 ng/ul	3303580	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

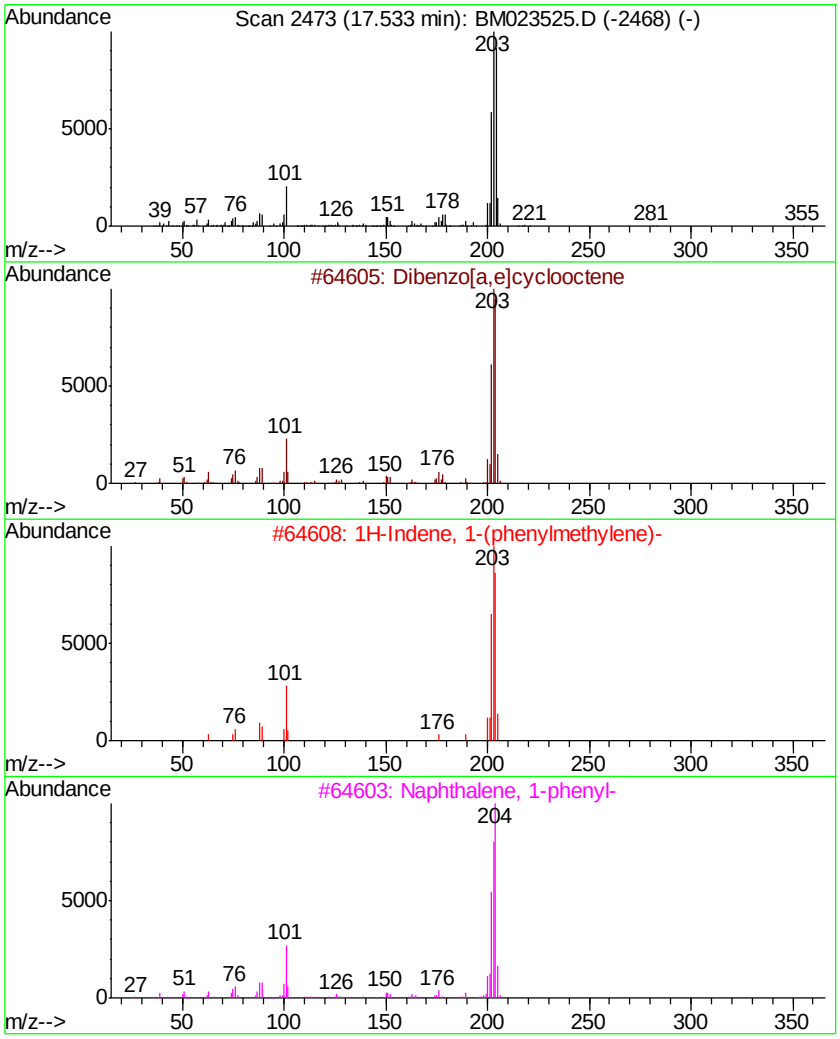
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

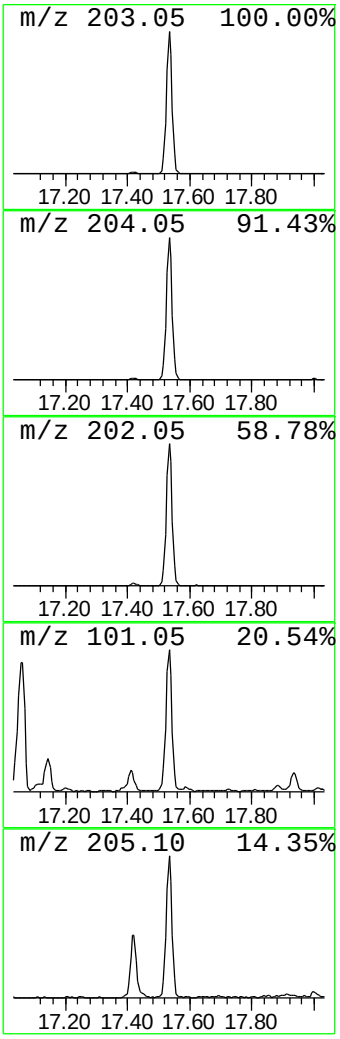
****

Peak Number 6 Dibenzo[a,e]cyclooctene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	7.97 ng/ul	2100680	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	98
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	94
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	89
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	76





Library Search Compound Report

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Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

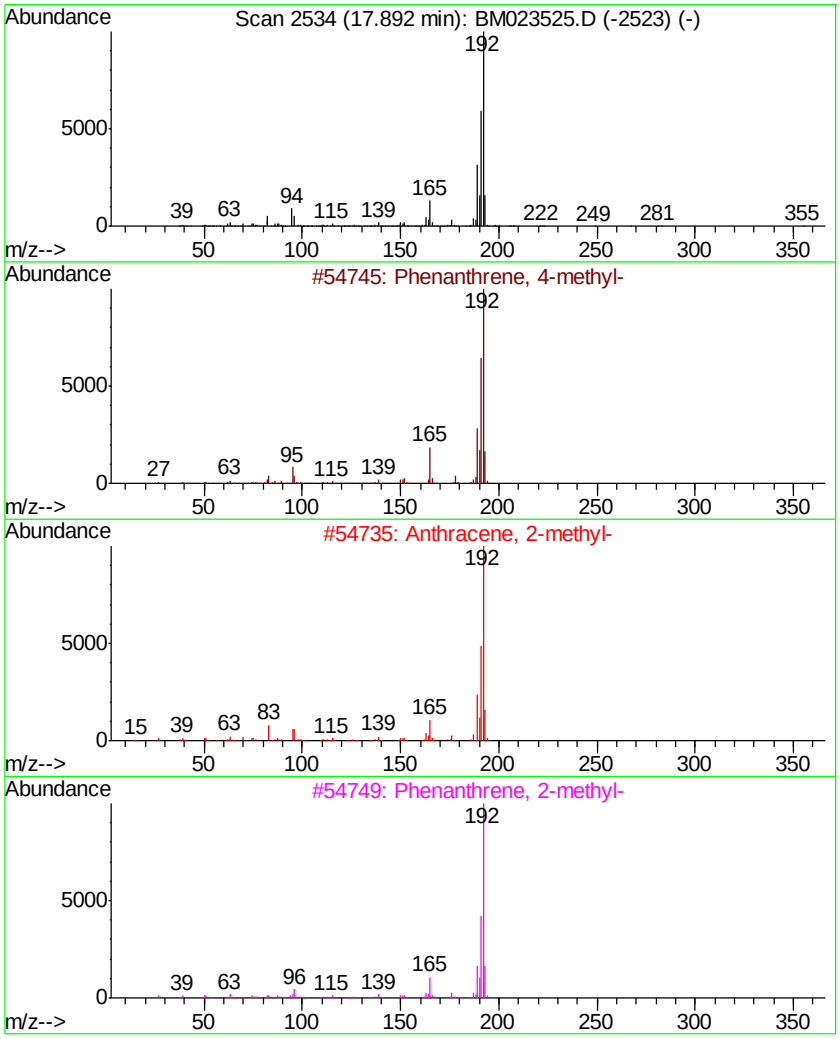
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

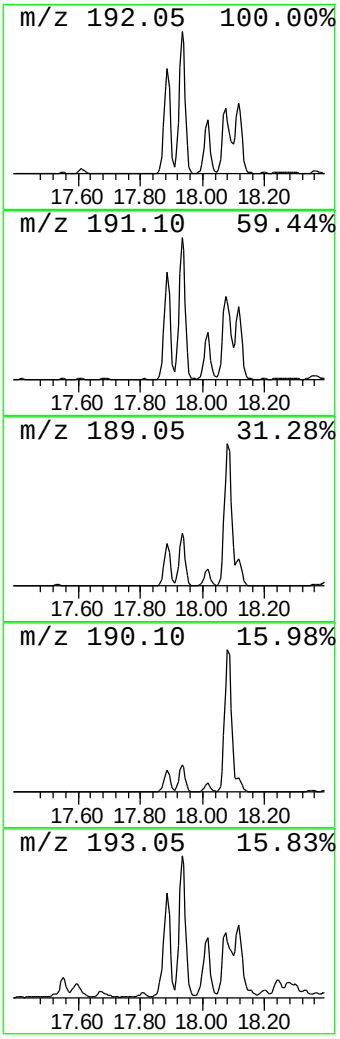
****

Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	21.80 ng/ul	5749710	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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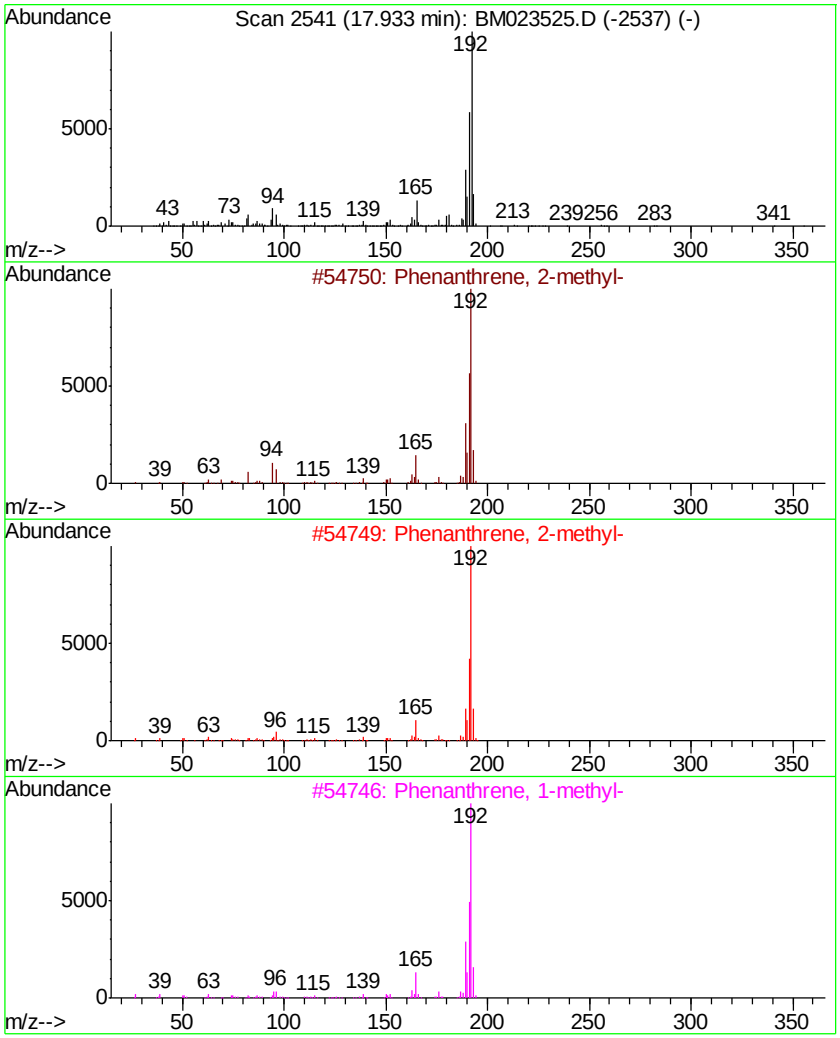
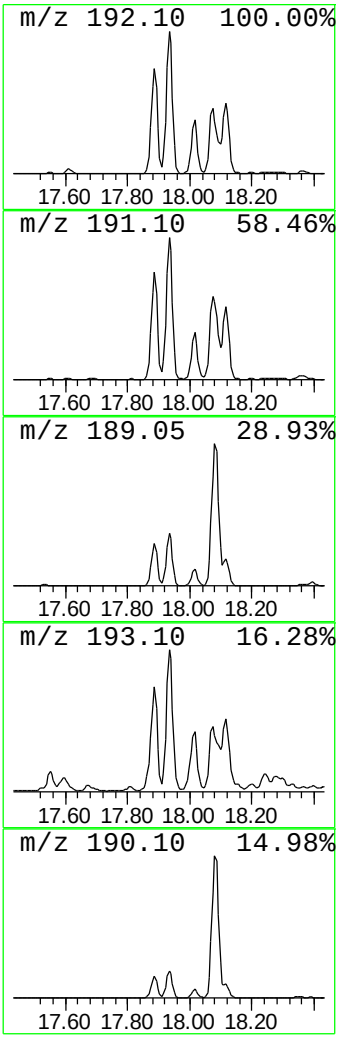
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	32.05 ng/ul	8450800	Phenanthrene-d10	17.01

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





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Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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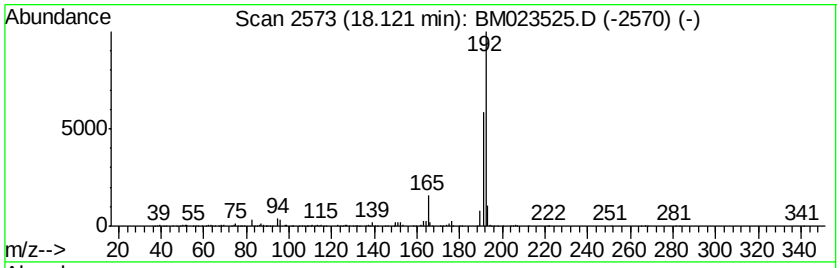
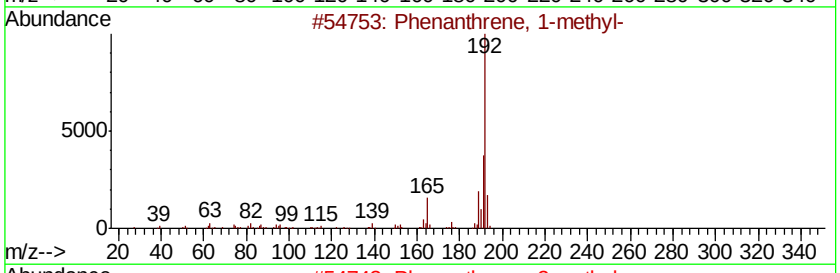
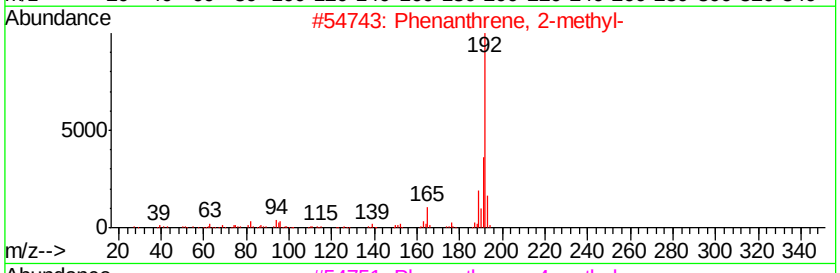
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 18

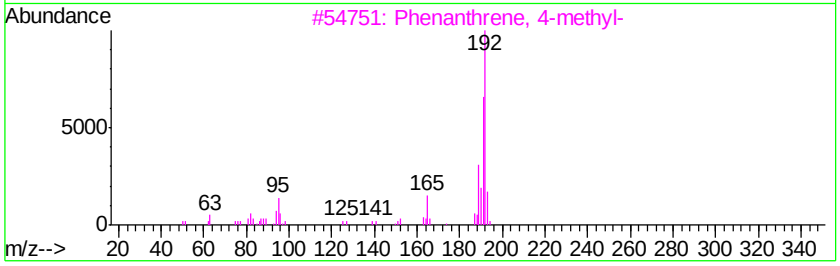
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	12.10 ng/ul	3190810	Phenanthrene-d10	17.01

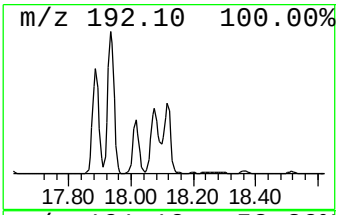
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87

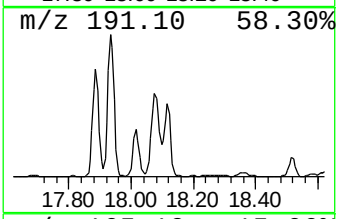


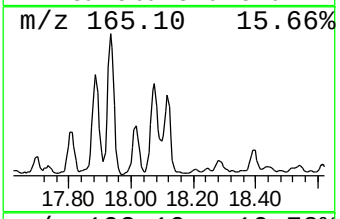


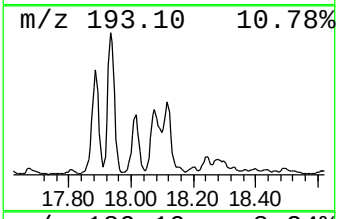


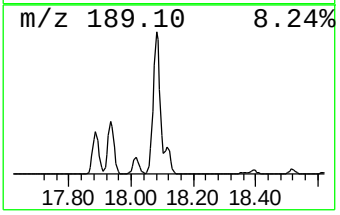












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Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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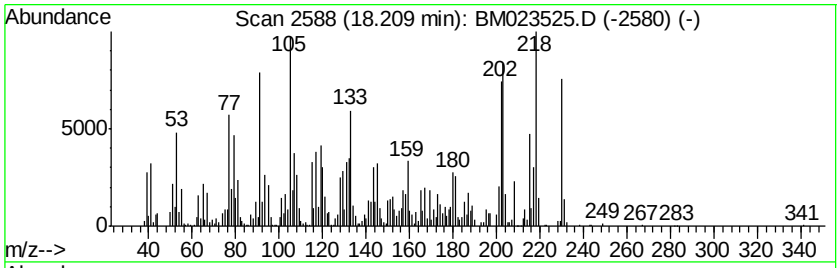
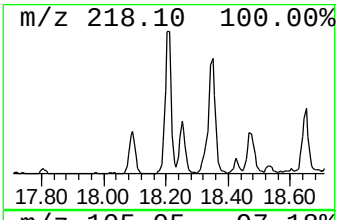
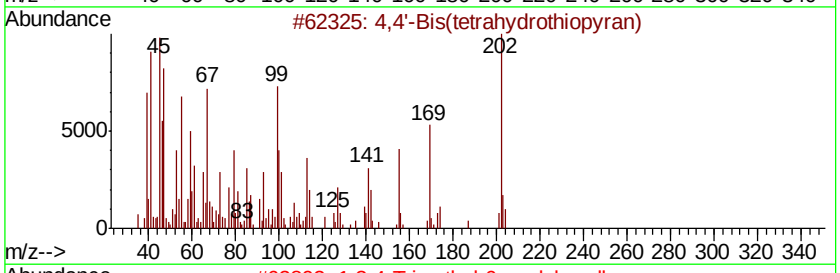
Peak Number 12 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 31

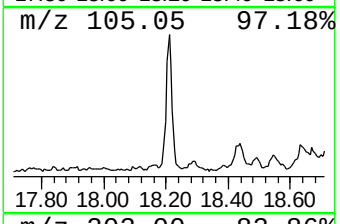
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	5.58 ng/ul	1470270	Phenanthrene-d10	17.01

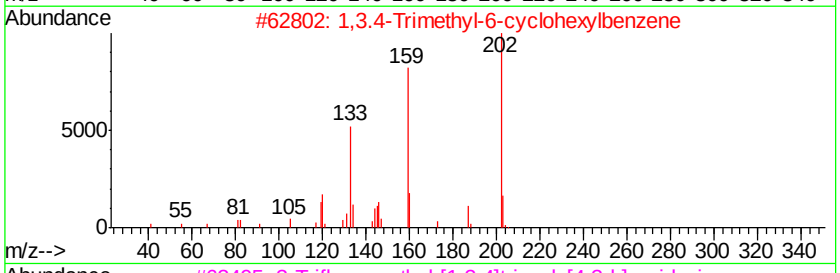
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	93
2	1,3,4-Trimethyl-6-cyclohexylbenzene	202	C15H22	032406-17-0	25
3	3-Trifluoromethyl-[1,2,4]triazol...	203	C6H4F3N5	1000300-69-1	25
4	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	20
5	Thiazole, 2-(2,4,6-trimethylphen...	203	C12H13NS	075601-35-3	20

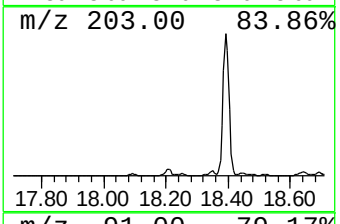


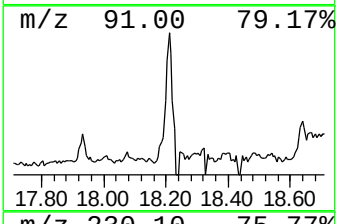


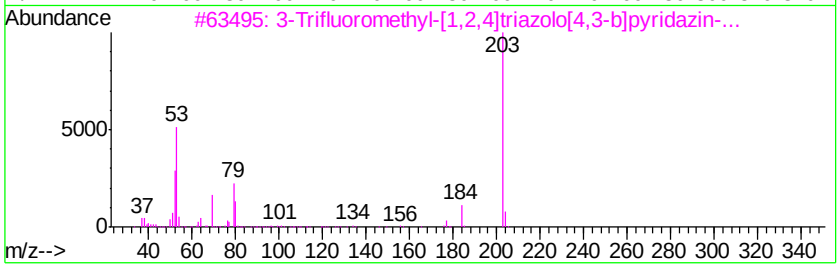


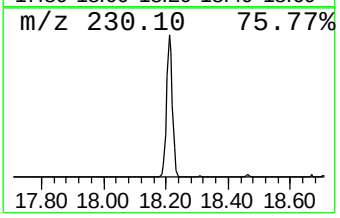












Library Search Compound Report

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Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

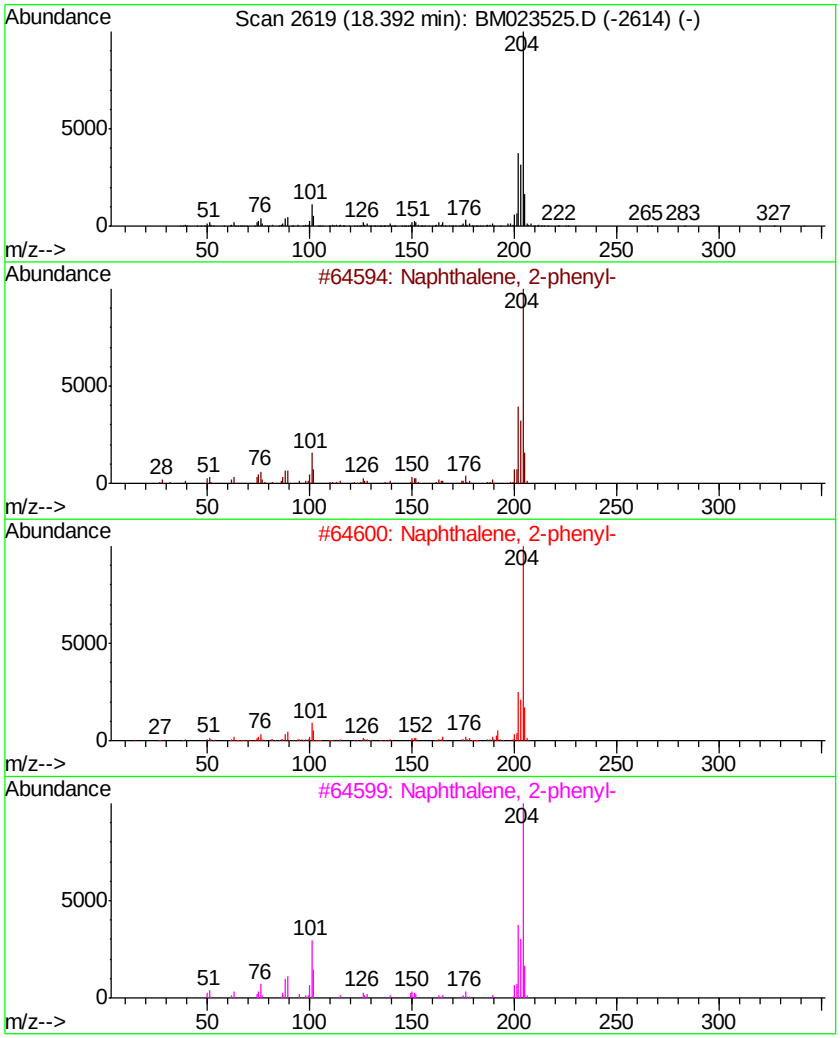
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

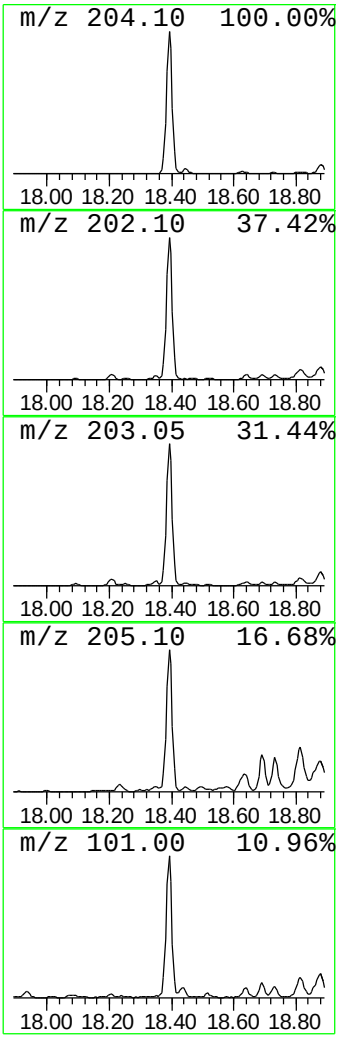
****

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	27.90 ng/ul	7357000	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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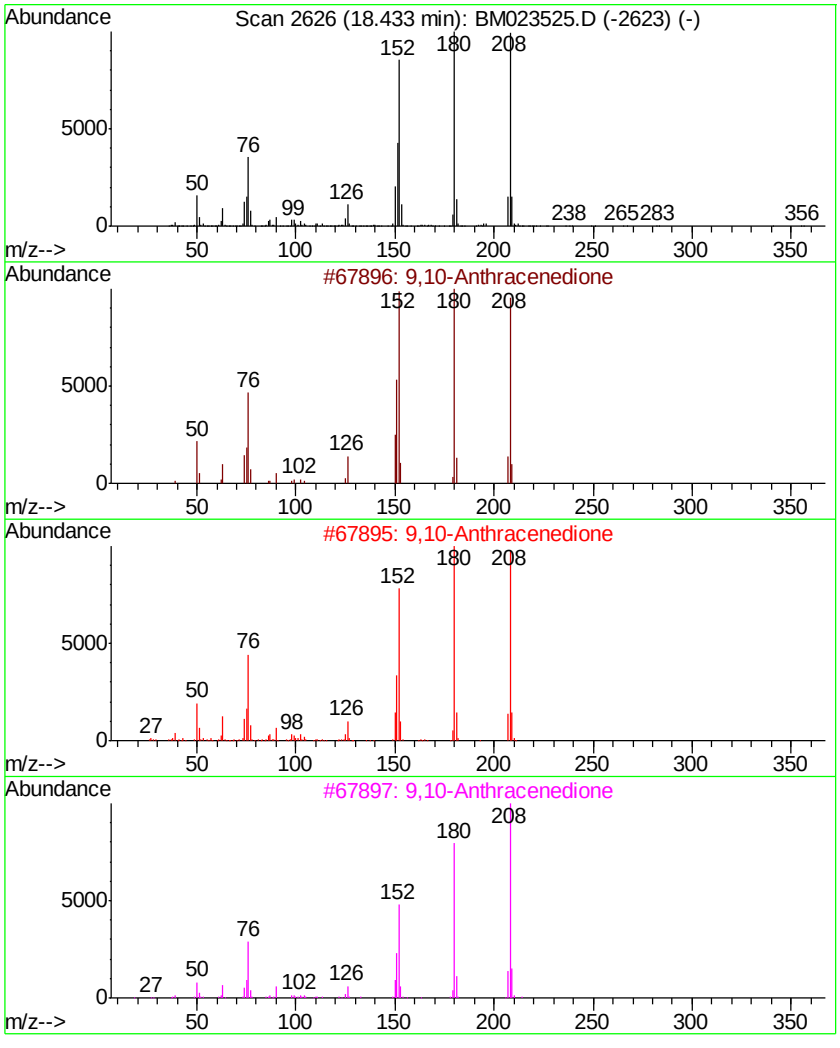
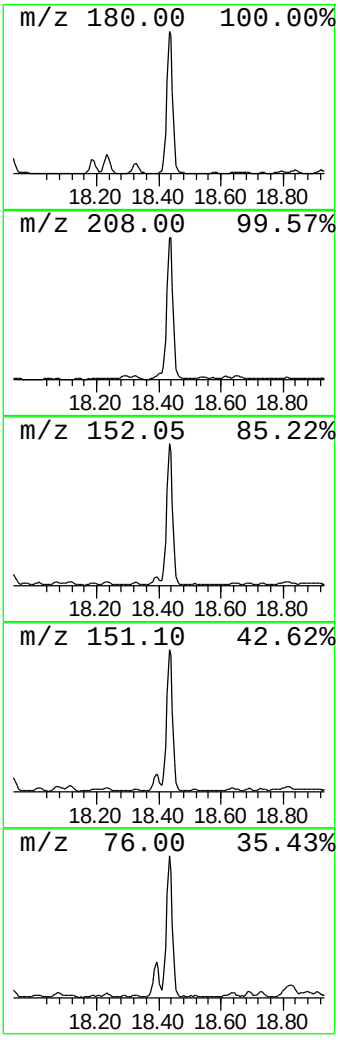
Peak Number 14 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	26.04 ng/ul	6866240	Phenanthrene-d10	17.01

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	99
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	70





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Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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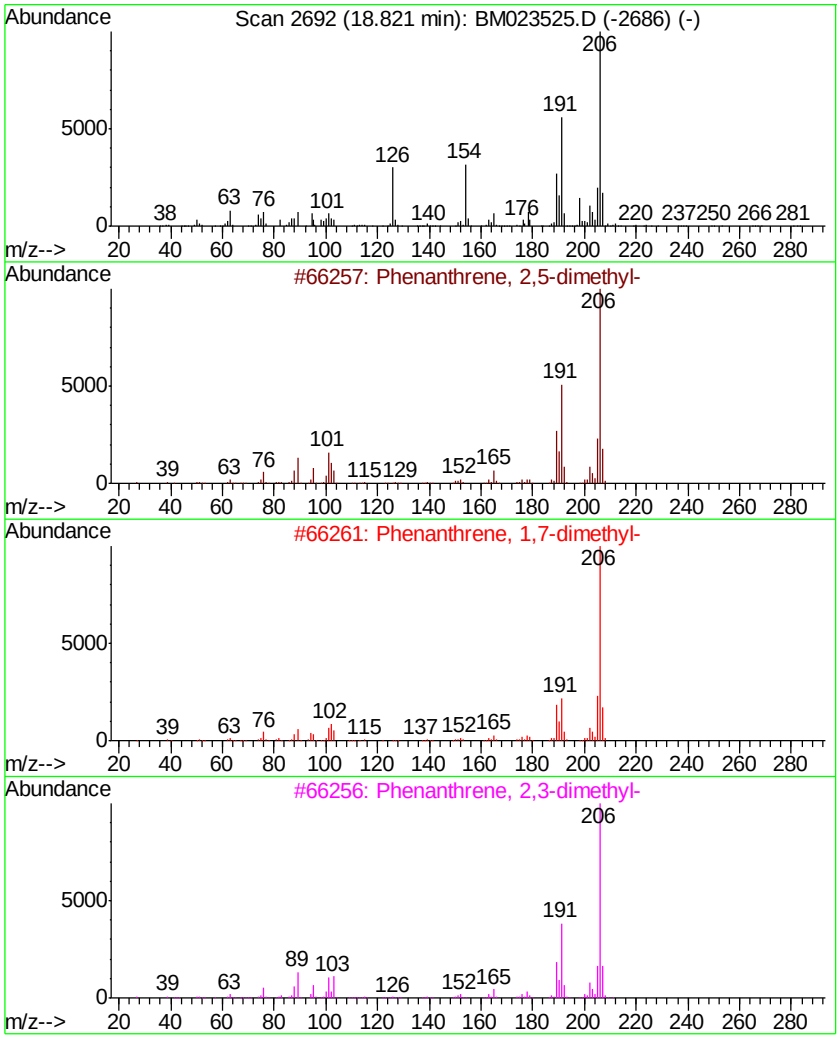
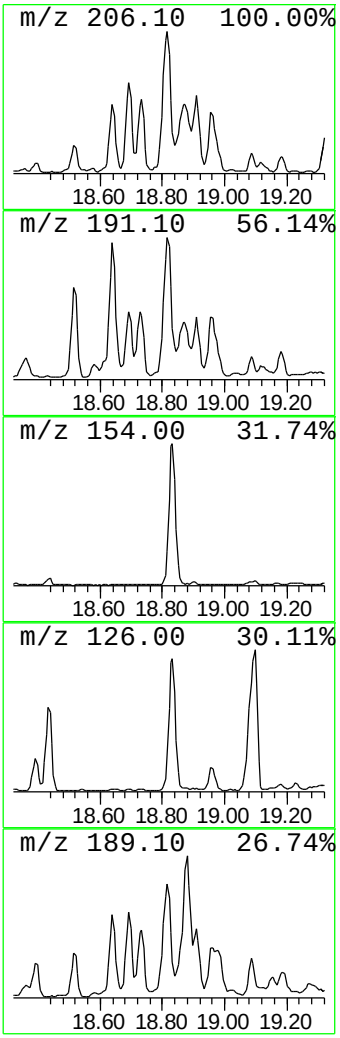
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	10.65 ng/ul	2809310	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86





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Quant Title : SVOA CALIBRATION

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

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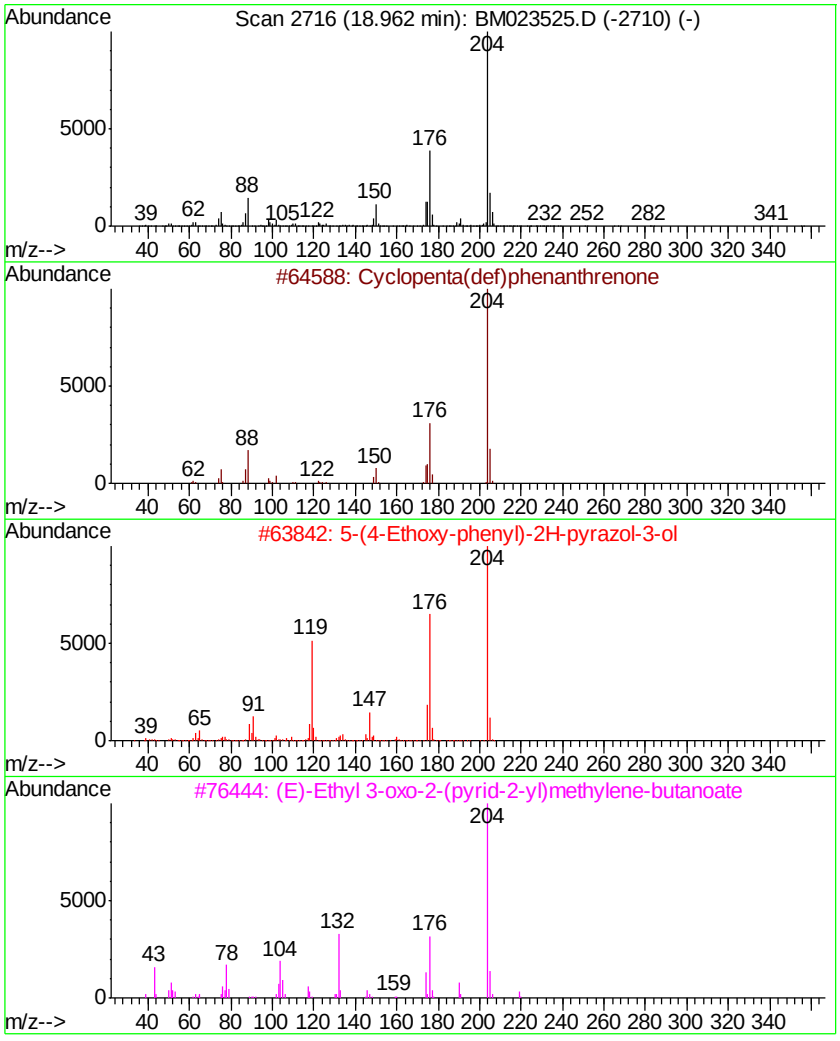
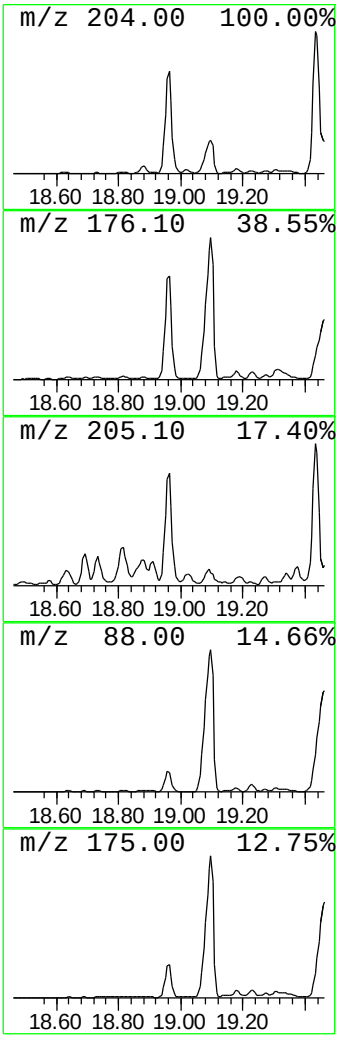
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	28.27 ng/ul	7456010	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
3	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43





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Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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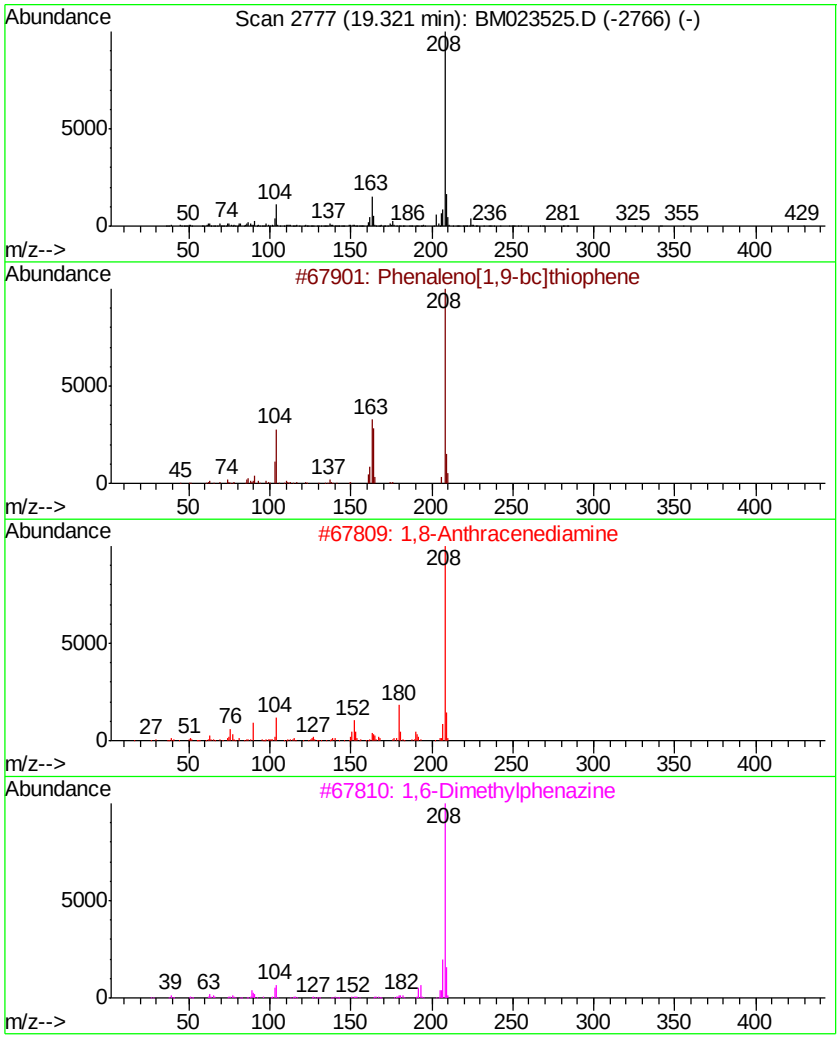
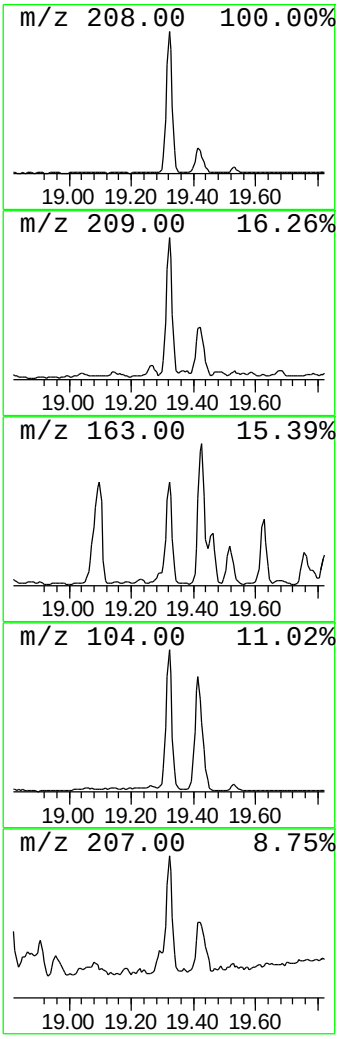
Peak Number 18 Phenaleno[1,9-bc]thiophene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.32	3.03 ng/ul	13745900	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	74
2	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	72
3	1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	59
4	4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	59
5	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	53





Library Search Compound Report

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Data File : BM023525.D
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Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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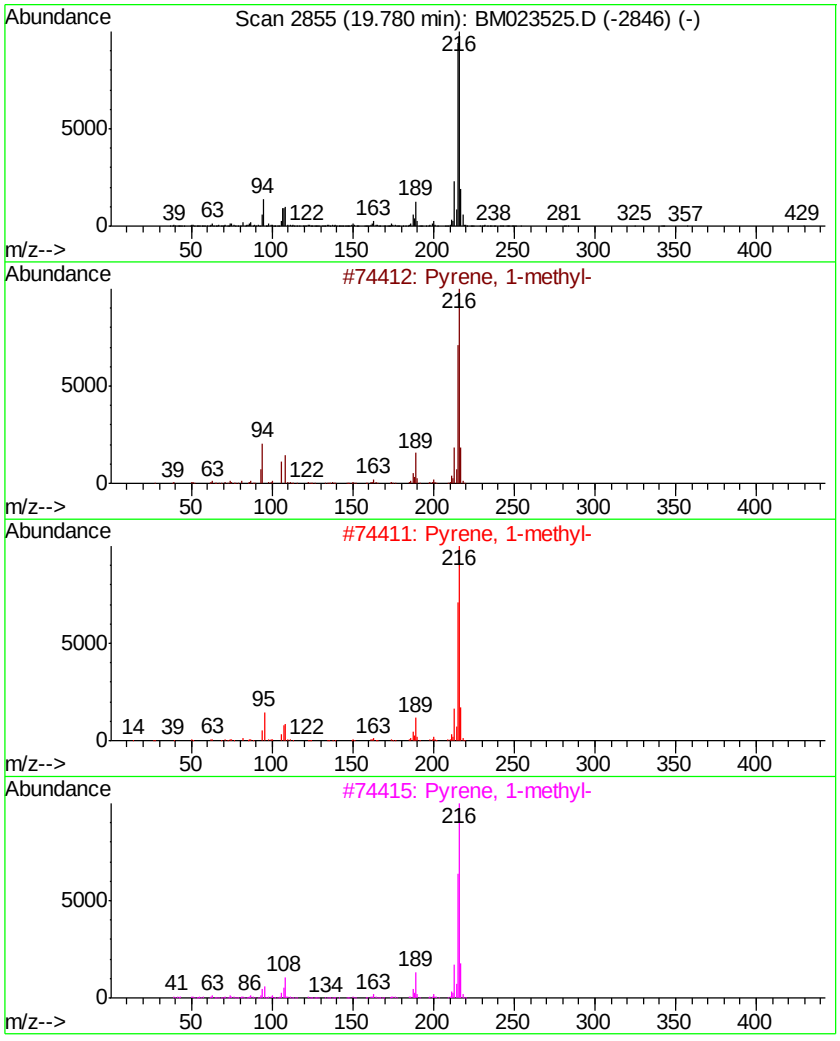
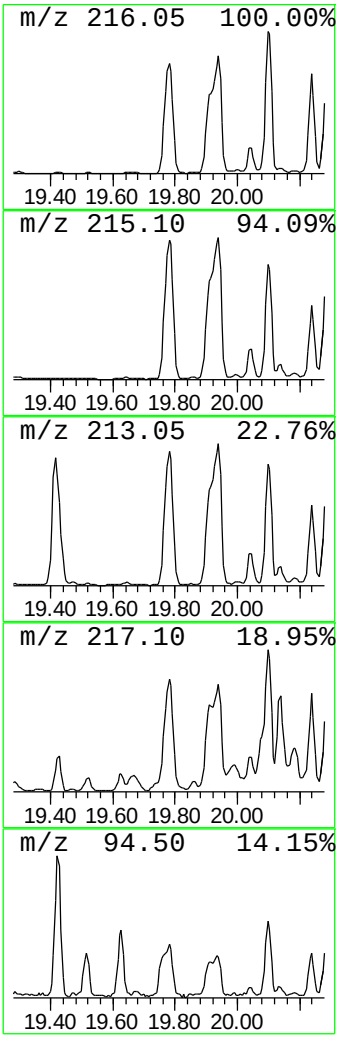
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.78	2.58 ng/ul	11698800	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Library Search Compound Report

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Acq On : 31 Oct 2019 18:27
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Sample : K5395-10
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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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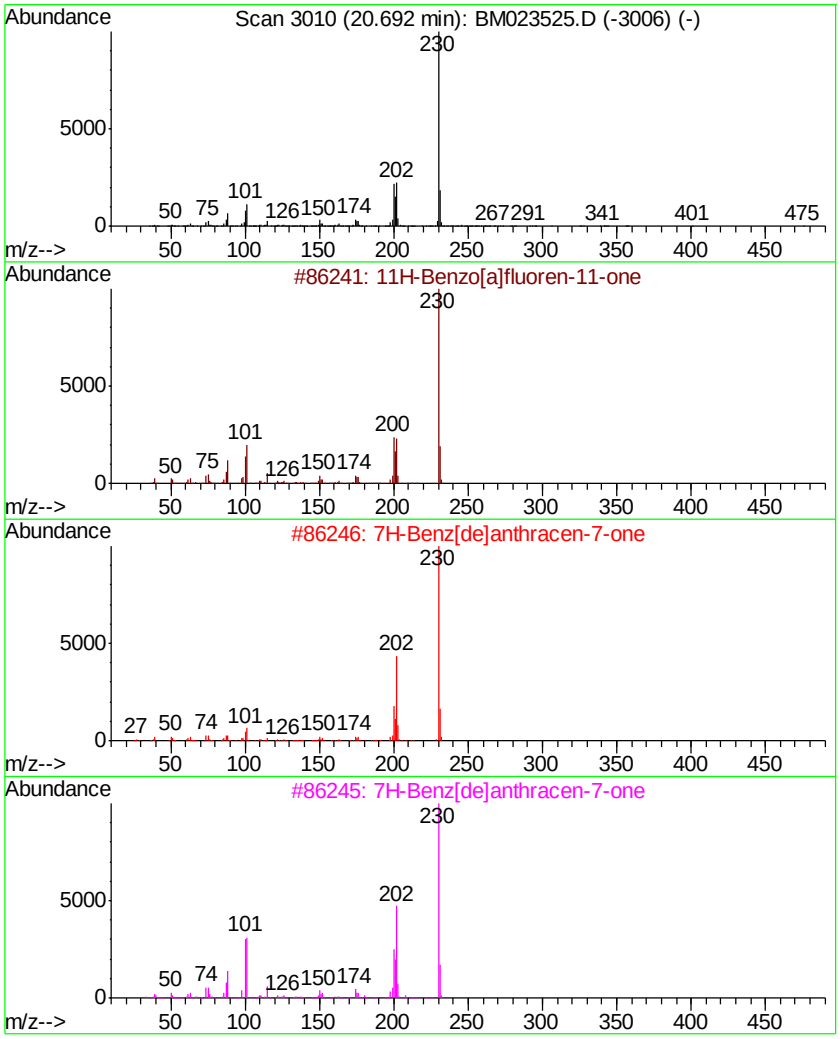
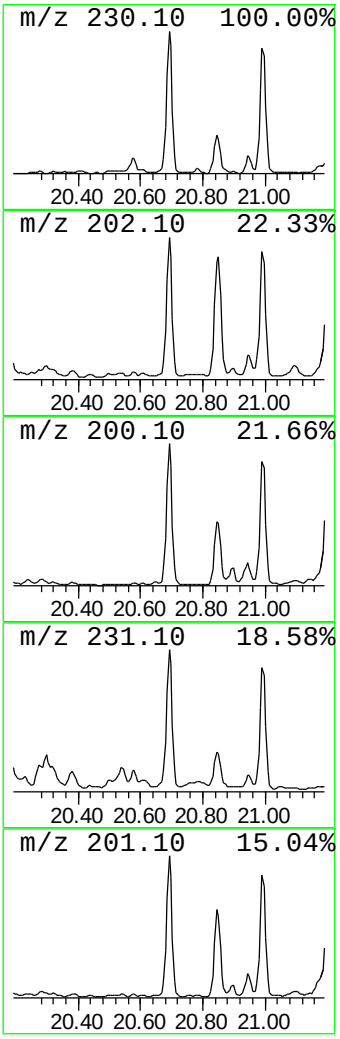
Peak Number 21 11H-Benzo[a]fluoren-11-one Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	2.89 ng/ul	13119800	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	96
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	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78





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Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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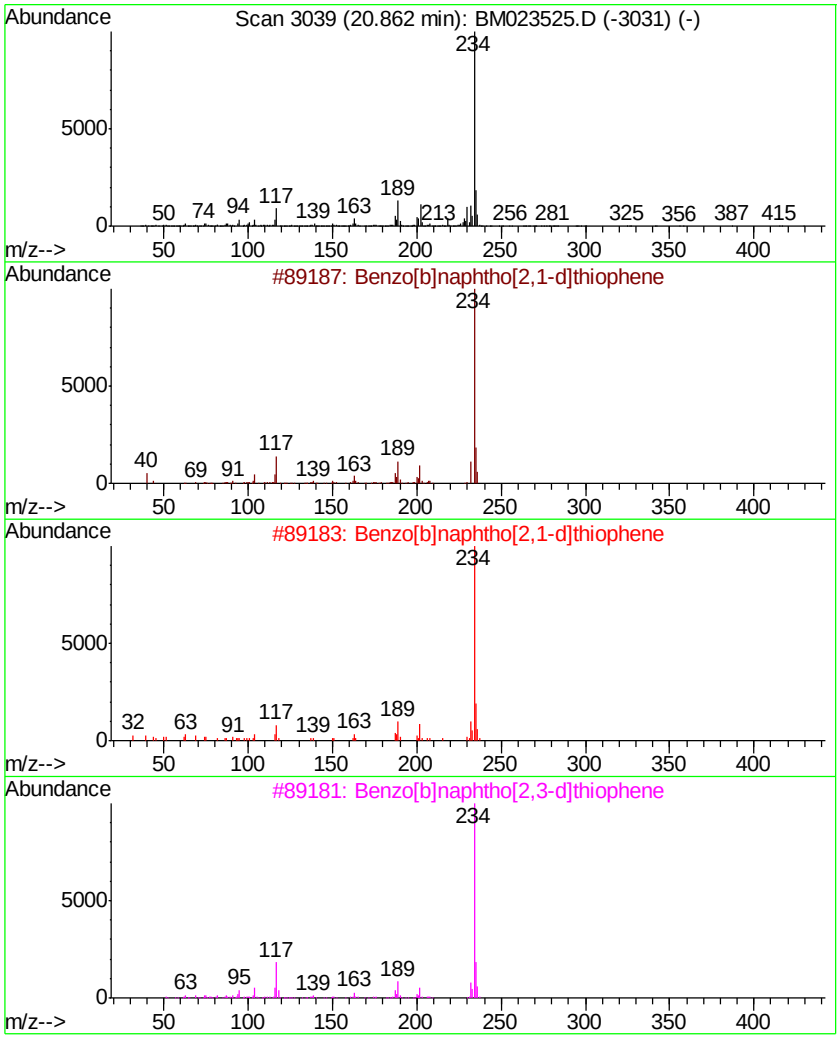
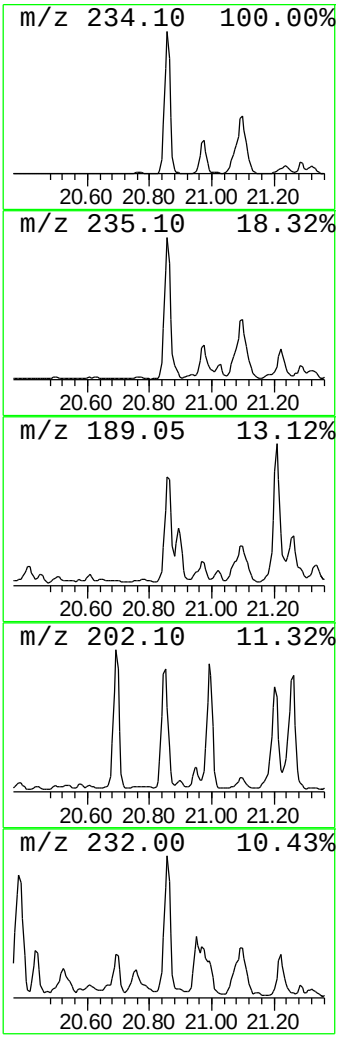
Peak Number 22 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	3.07 ng/ul	13954800	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	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	76





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Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
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Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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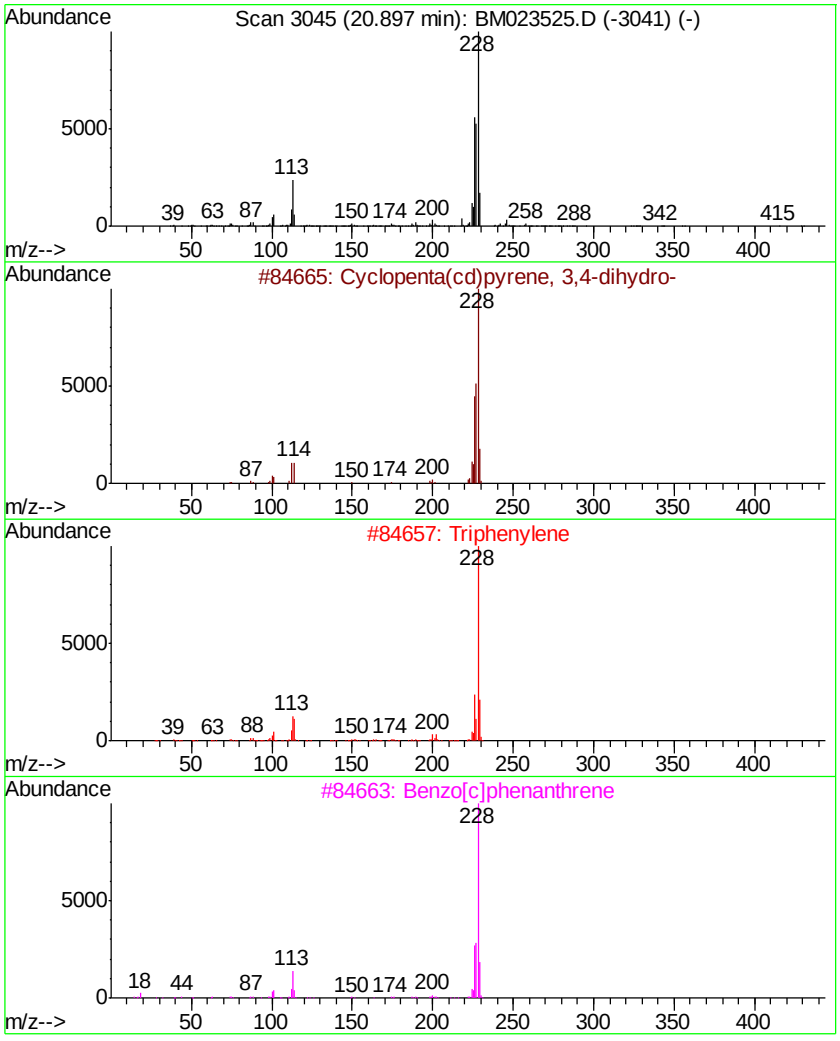
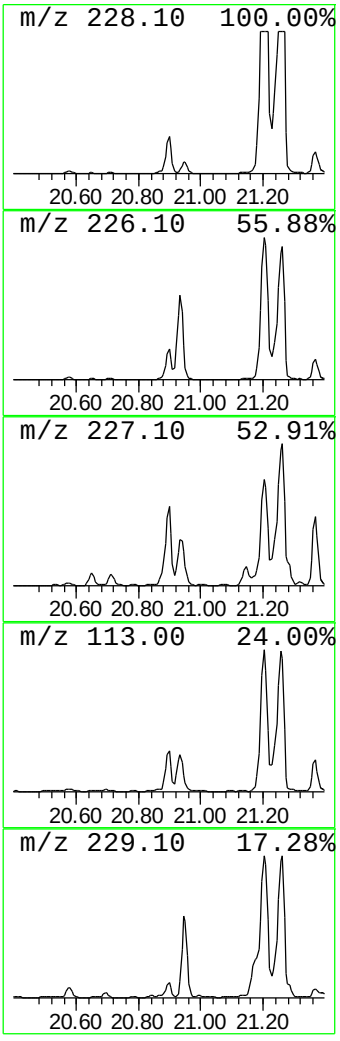
Peak Number 23 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.44 ng/ul	11094700	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	78
2	Triphenylene	228	C18H12	000217-59-4	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
5	Benz[a]anthracene	228	C18H12	000056-55-3	45





Library Search Compound Report

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Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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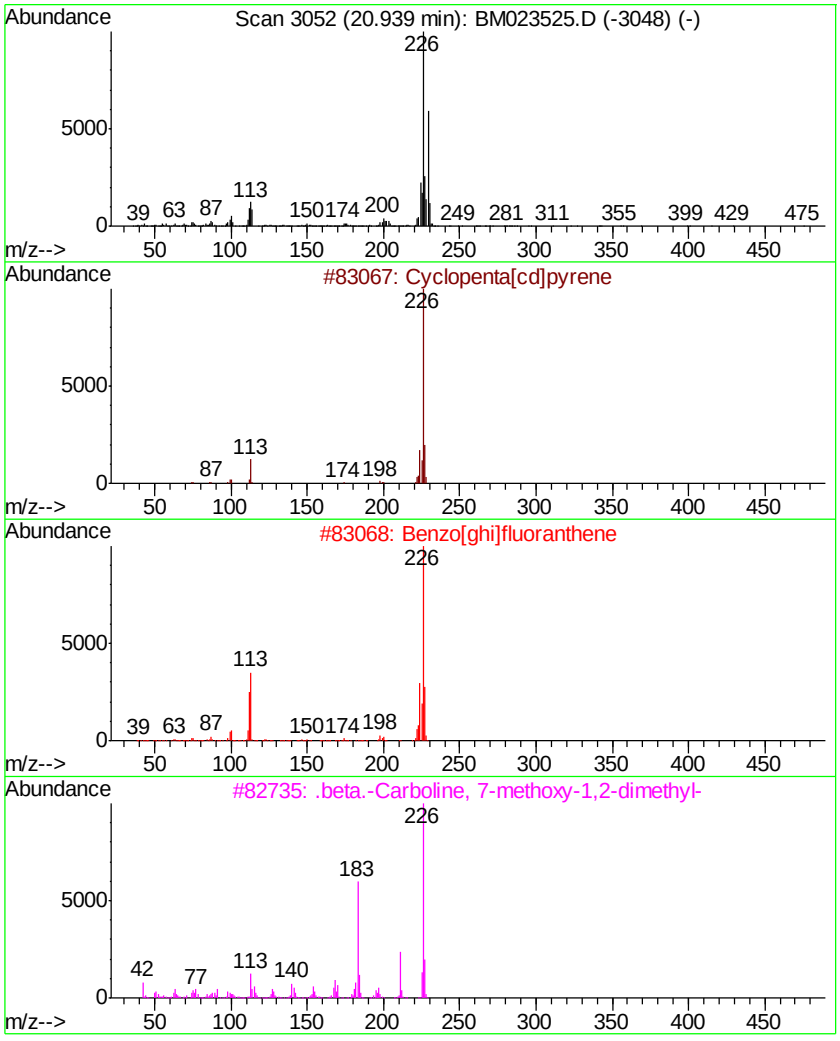
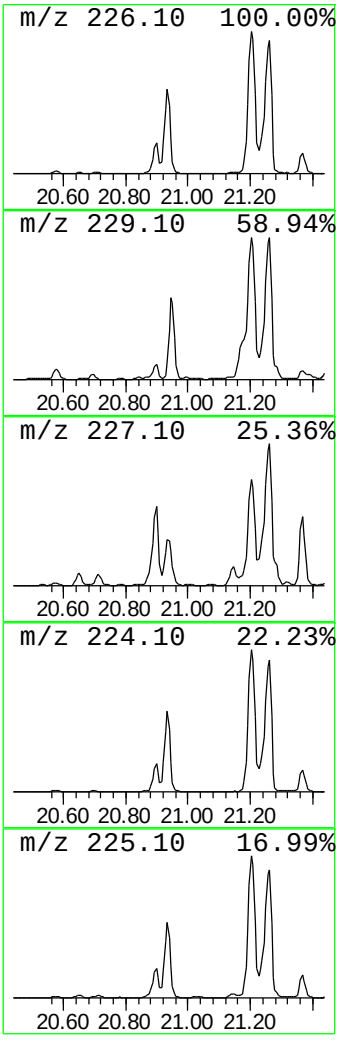
Peak Number 24 unknown-01 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	4.15 ng/ul	18857900	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	49
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	46
4	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	37
5	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	25





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Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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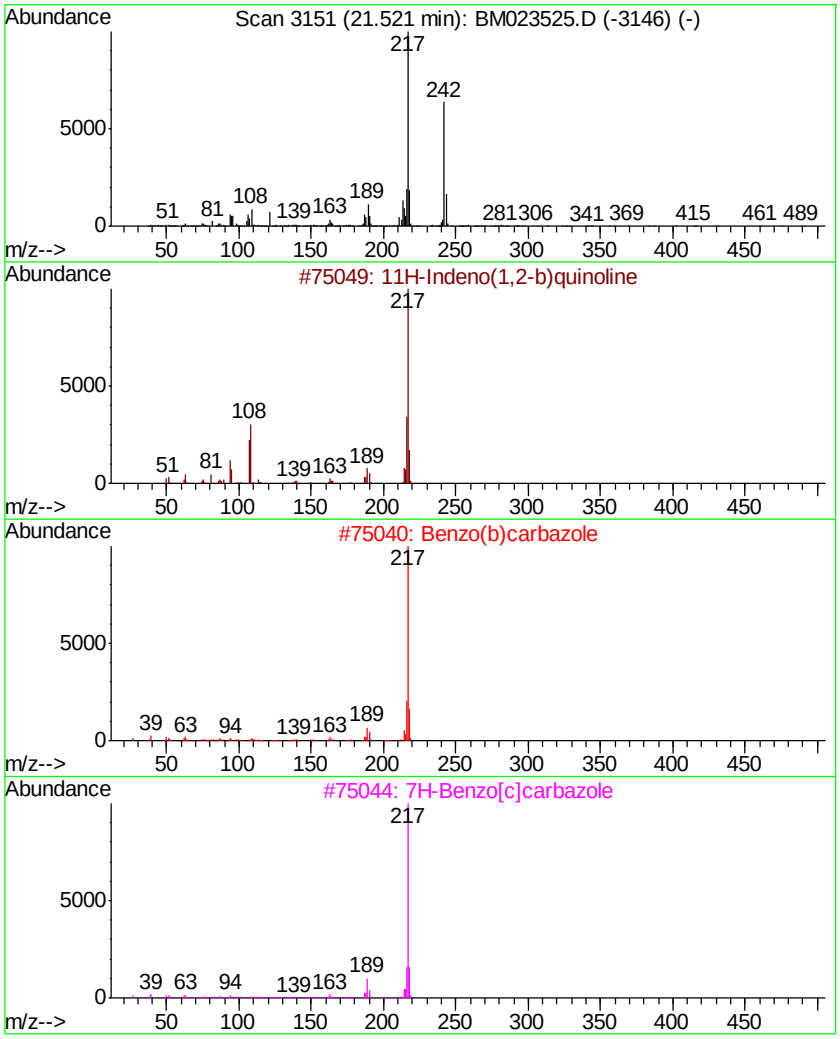
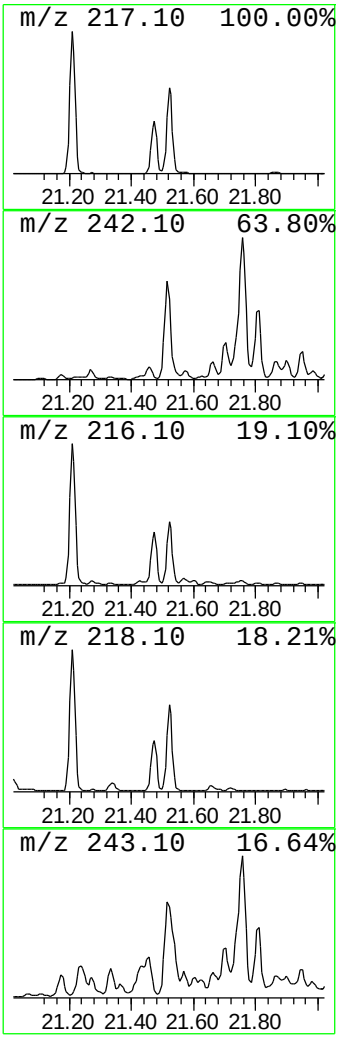
Peak Number 26 11H-Indeno(1,2-b)quinoline Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	2.36 ng/ul	10727500	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno(1,2-b)quinoline	217	C16H11N	000243-51-6	70
2	Benzo(b)carbazole	217	C16H11N	000243-28-7	64
3	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	60
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	60
5	Benzo(c)carbazole	217	C16H11N	034777-33-8	58





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Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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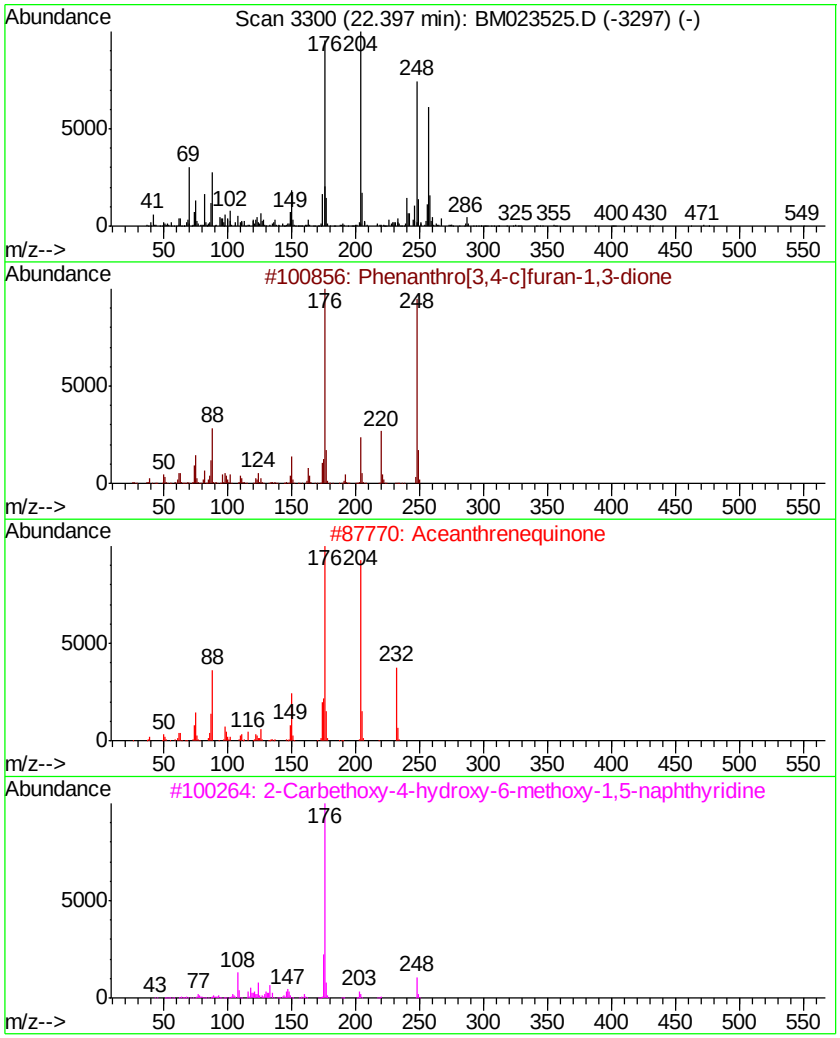
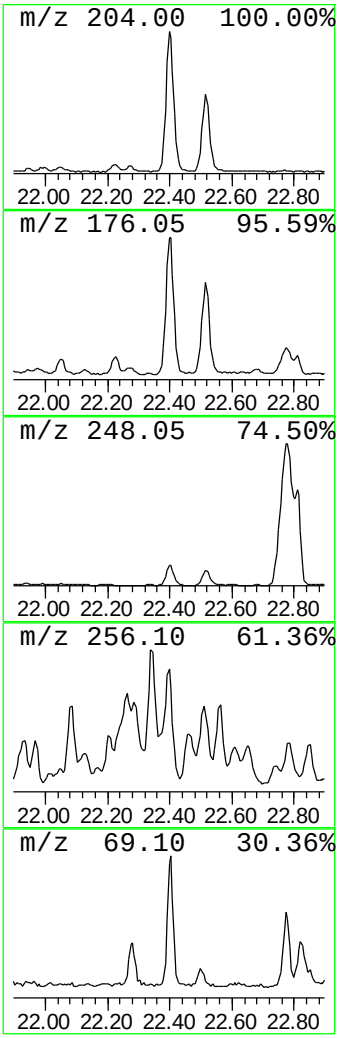
Peak Number 27 Phenanthro[3,4-c]furan-1,3-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.40	7.23 ng/ul	2135340	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthro[3,4-c]furan-1,3-dione	248	C16H8O3	005723-54-6	53
2	Aceanthrenequinone	232	C16H8O2	006373-11-1	49
3	2-Carbethoxy-4-hydroxy-6-methoxy...	248	C12H12N2O4	1000227-07-7	43
4	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	35
5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	25





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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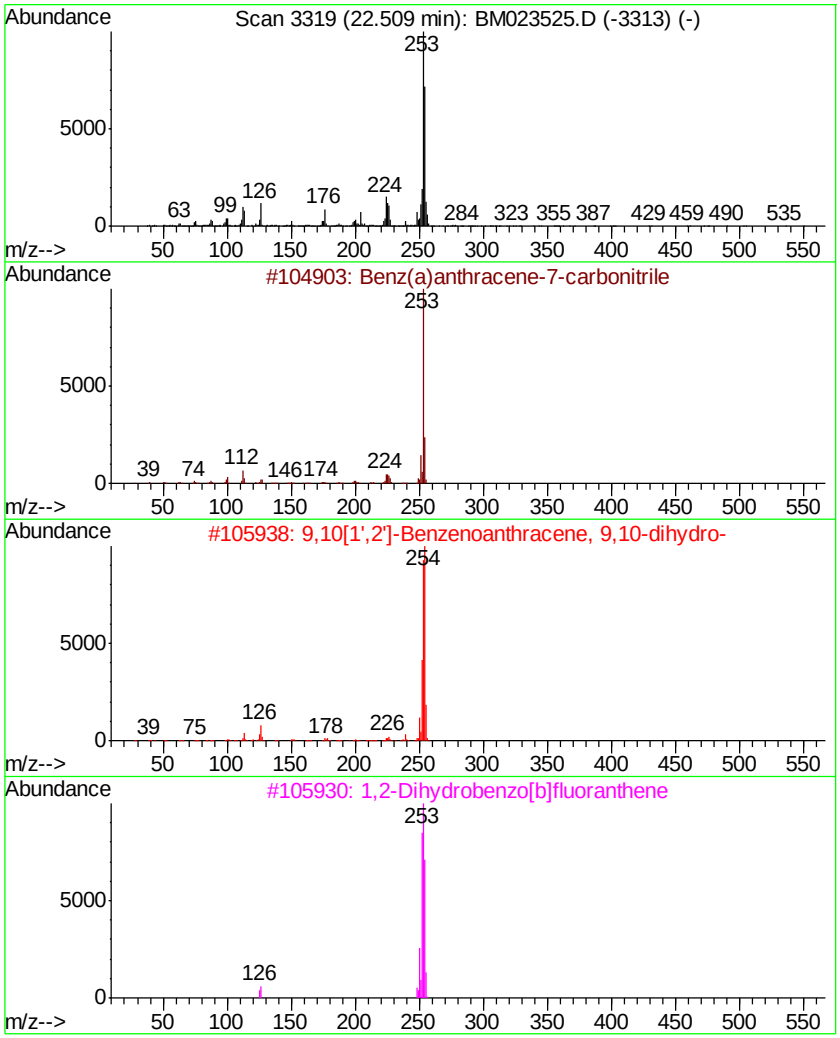
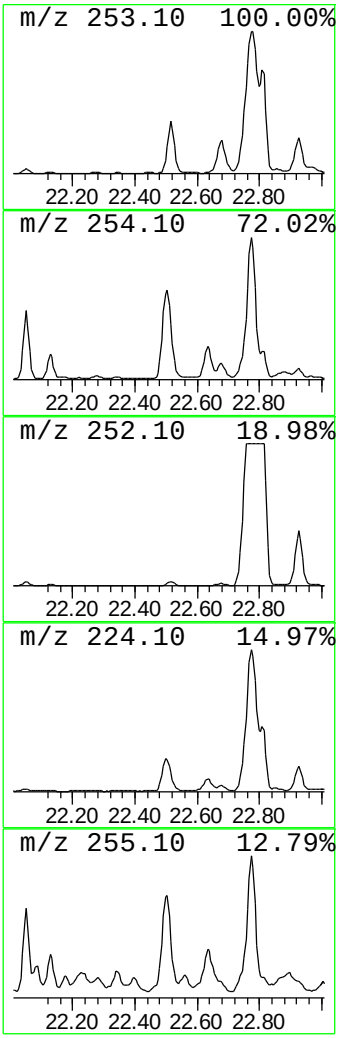
Peak Number 28 Benz(a)anthracene-7-carboni... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.51	34.99 ng/ul	10338500	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	76
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	72
3	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	64
4	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	64
5	2H-Pyrazolo[3',4':5,6]pyrimido[2...	254	C13H10N4O2	1000318-77-9	59





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Quant Title : SVOA CALIBRATION

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

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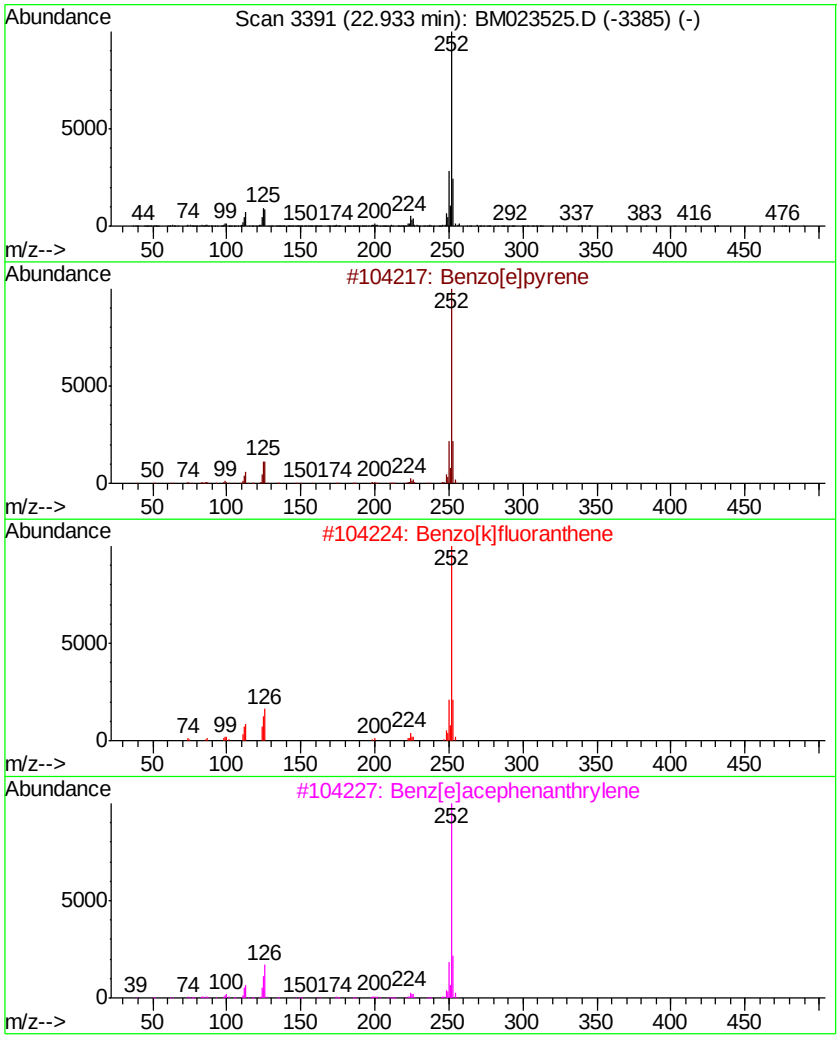
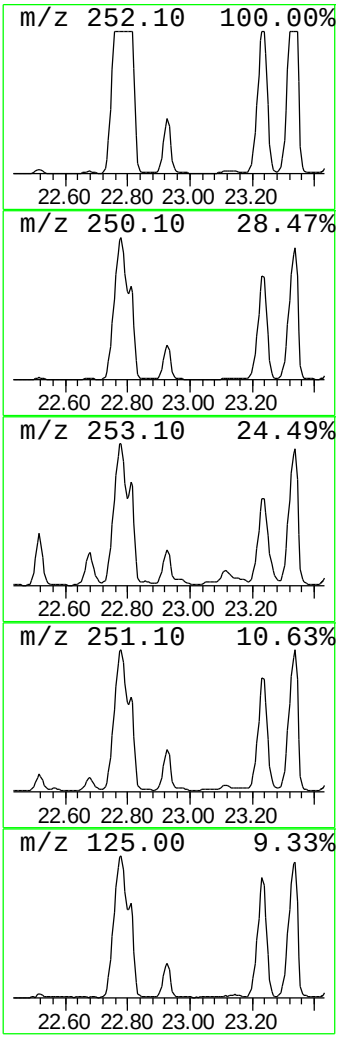
Peak Number 30 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.93	40.28 ng/ul	11900900	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





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Data File : BM023525.D
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Sample : K5395-10
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ClientSampleId : C0003

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Quant Title : SVOA CALIBRATION

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

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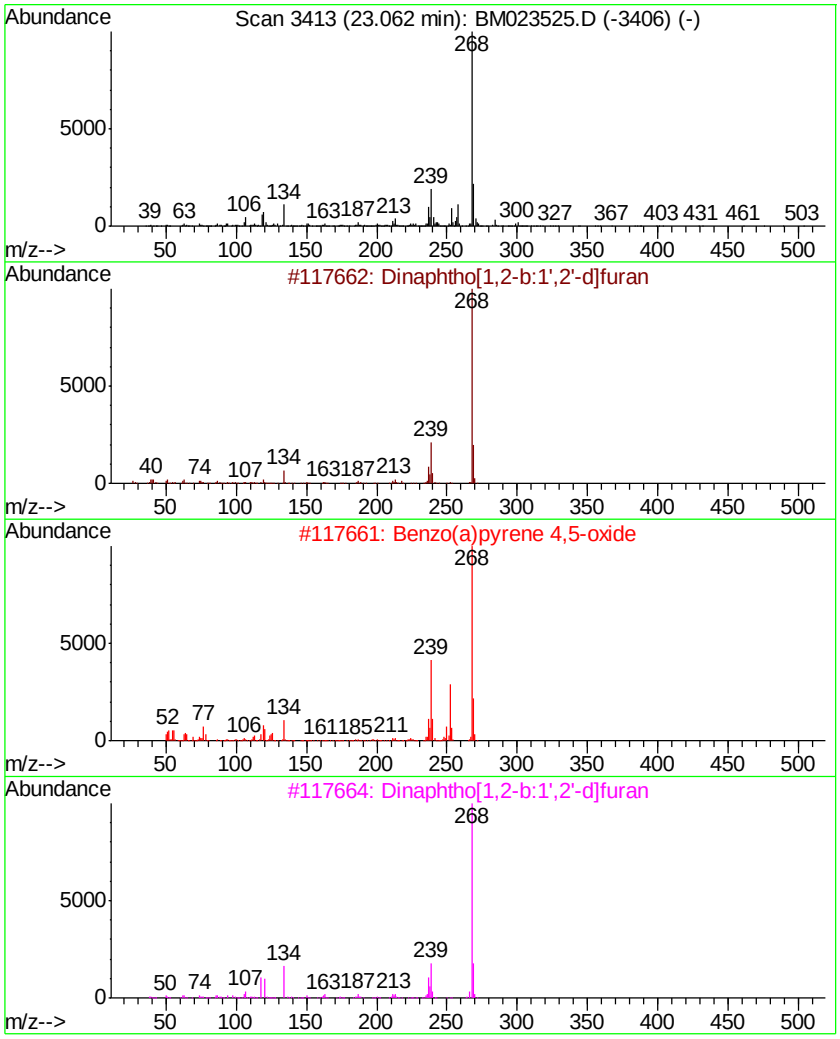
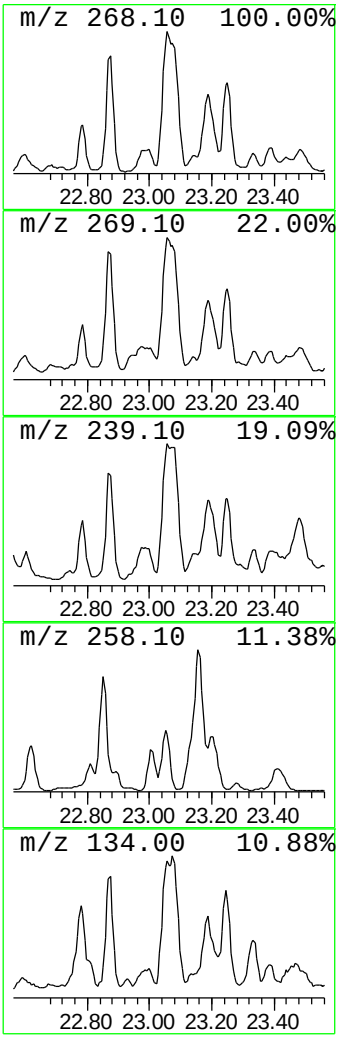
Peak Number 31 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.06	29.43 ng/ul	8693910	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	94
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	87
3	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	74
4	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	72
5	9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\
Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

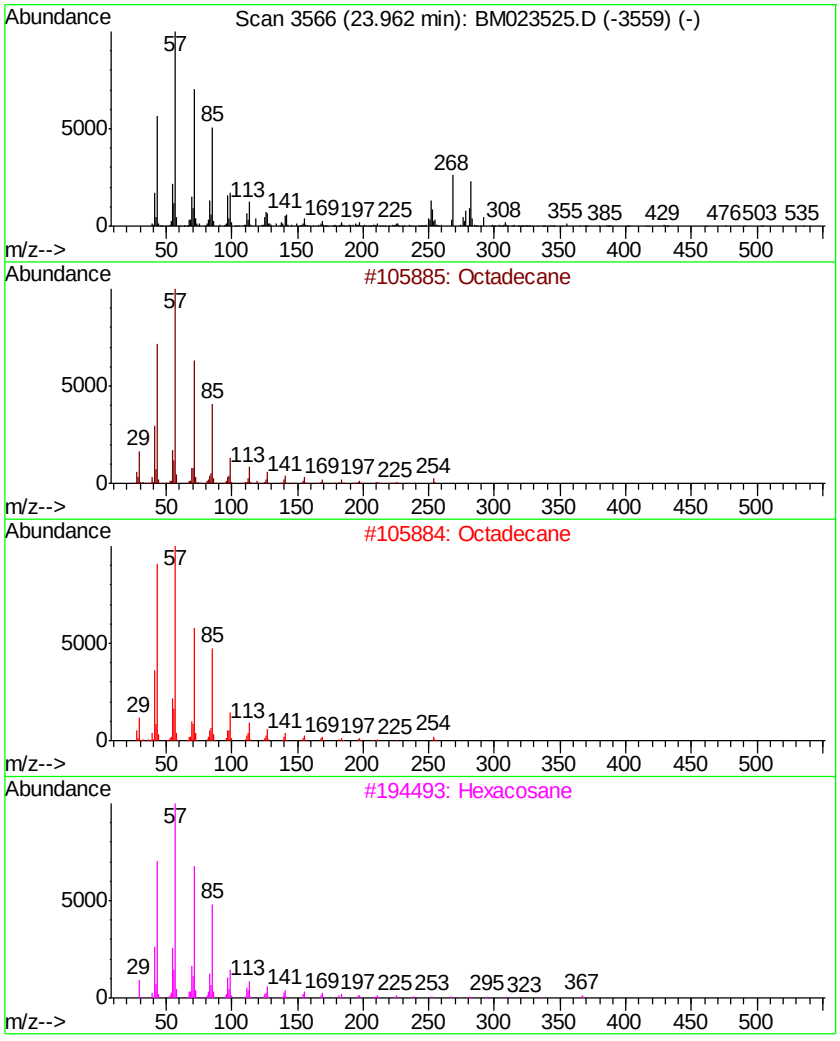
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

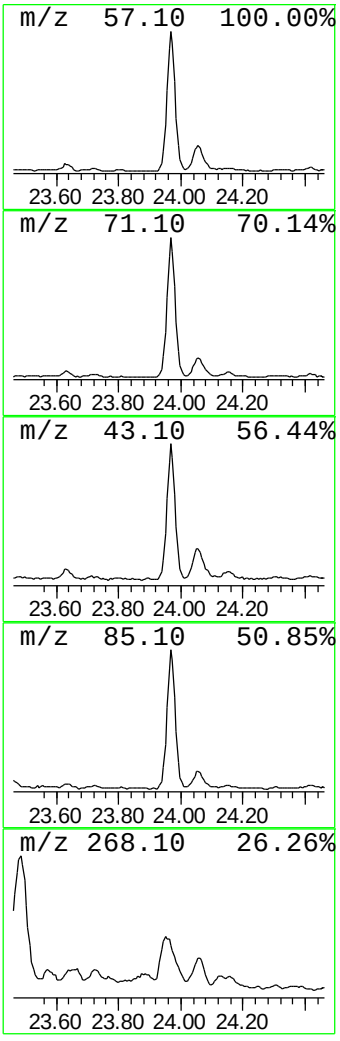
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.96	13.10 ng/ul	3870120	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	95
2	Octadecane	254	C18H38	000593-45-3	86
3	Hexacosane	366	C26H54	000630-01-3	86
4	Octadecane	254	C18H38	000593-45-3	74
5	Nonadecane	268	C19H40	000629-92-5	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\
Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

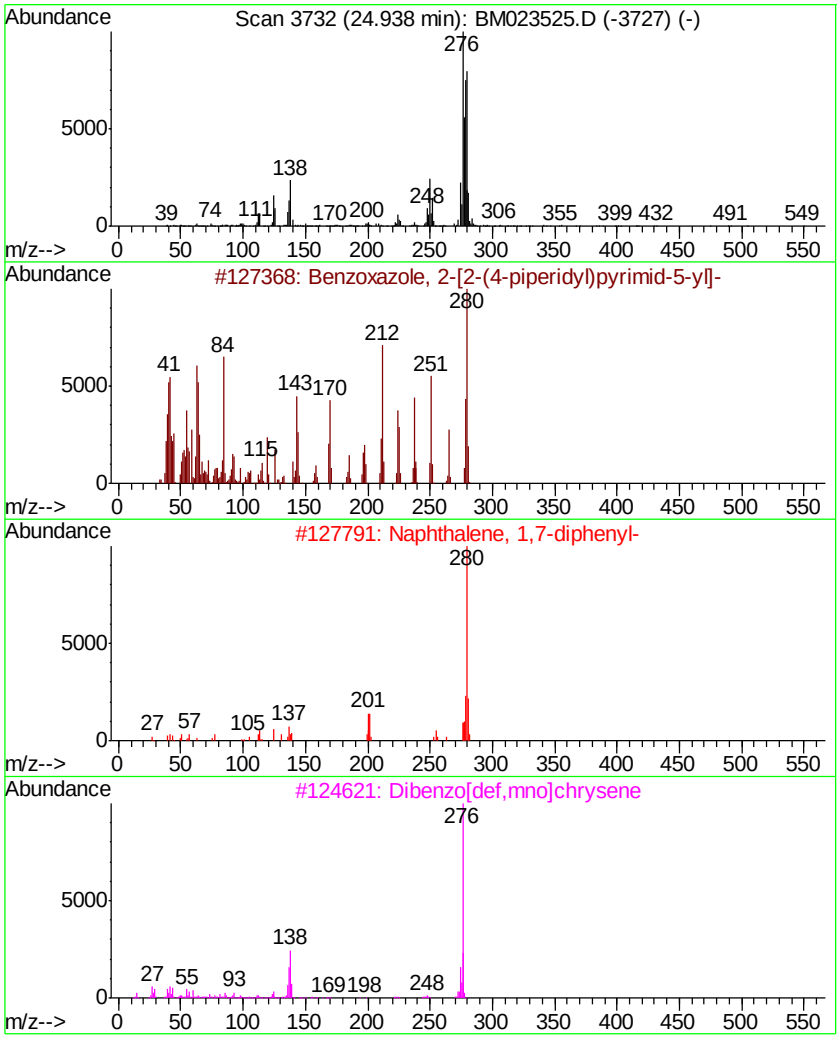
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

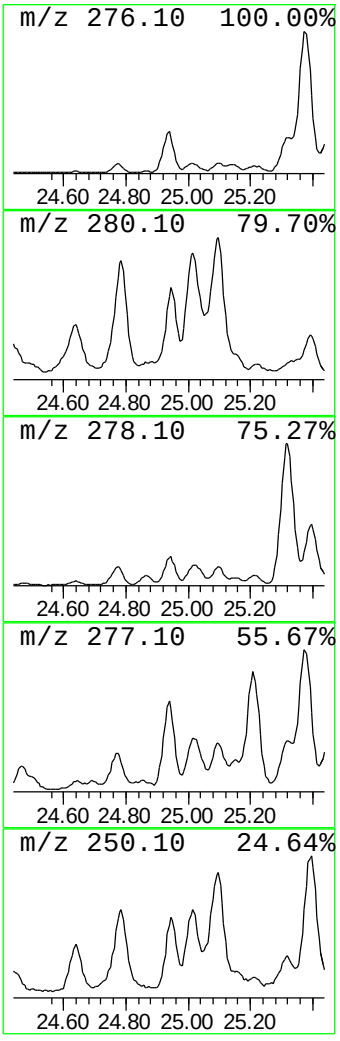
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzoxazole, 2-[2-(4-piperi... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.94	10.65 ng/ul	3147140	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoxazole, 2-[2-(4-piperidyl)p...	280	C16H16N4O	1000294-14-8	70
2	Naphthalene, 1,7-diphenyl-	280	C22H16	000970-06-9	30
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	25
4	Phthalazin-1(2H)-one, 4-(4-hydro...	280	C17H16N2O2	203246-97-3	25
5	Benzo[a]phenazine-9,10-dicarboni...	280	C18H8N4	1000276-19-4	18





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Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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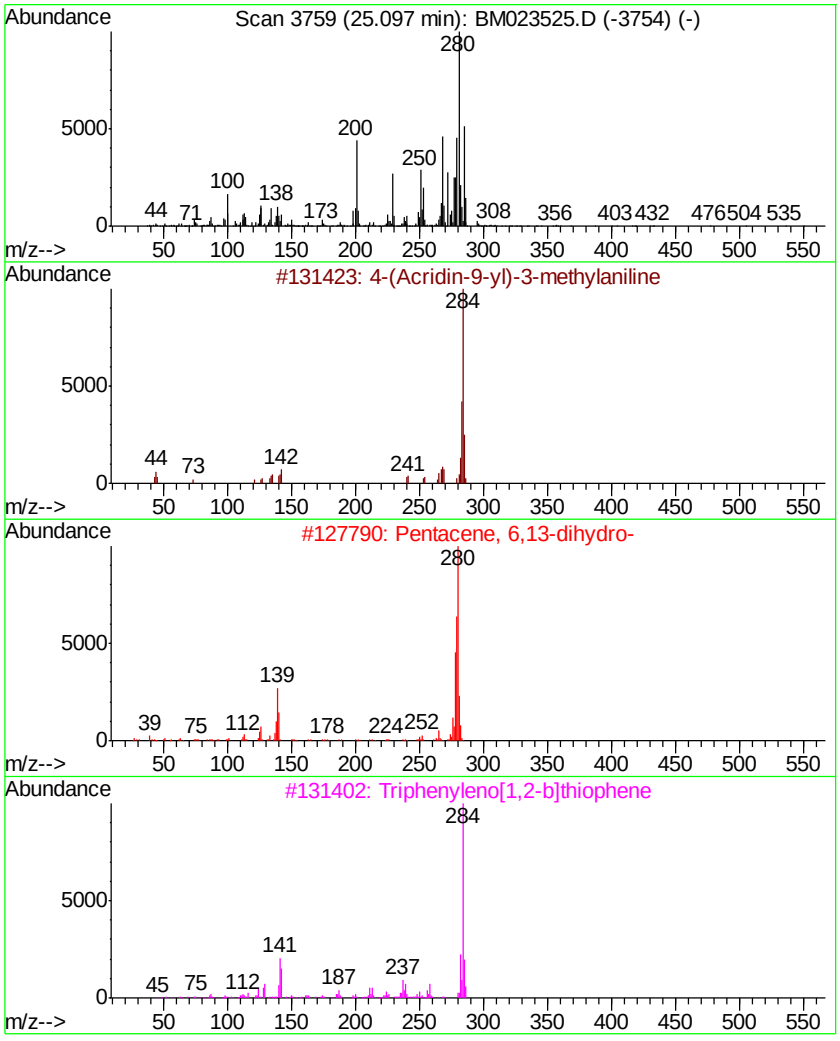
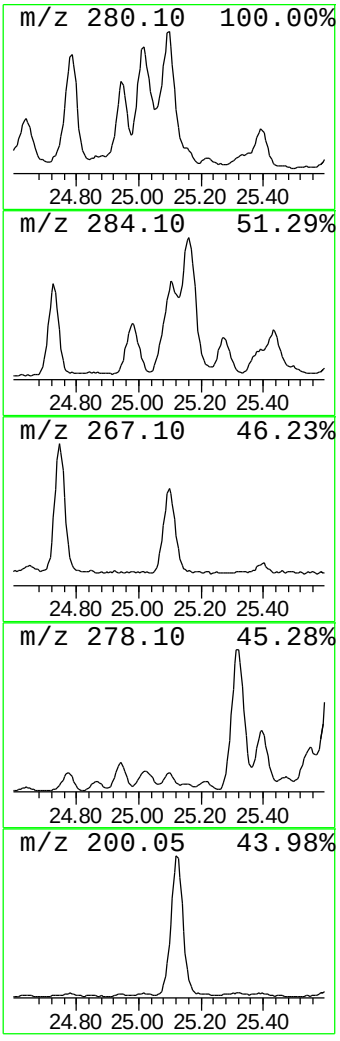
Peak Number 34 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.10	28.01 ng/ul	8275120	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(Acridin-9-yl)-3-methylaniline	284	C20H16N2	1000326-84-6	25
2	Pentacene, 6,13-dihydro-	280	C22H16	013579-08-3	25
3	Triphenyleno[1,2-b]thiophene	284	C20H12S	080819-44-9	25
4	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	15
5	(1,1'-Binaphthalene)-2,2'-diamine	284	C20H16N2	004488-22-6	15





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\
Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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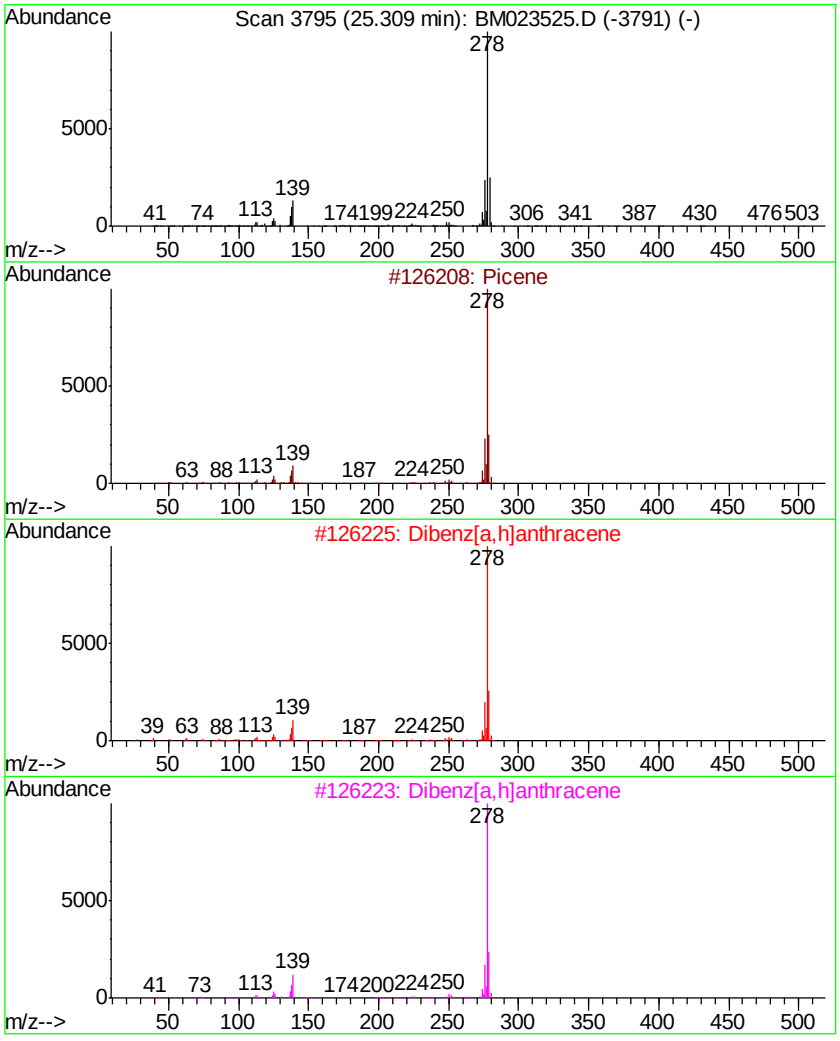
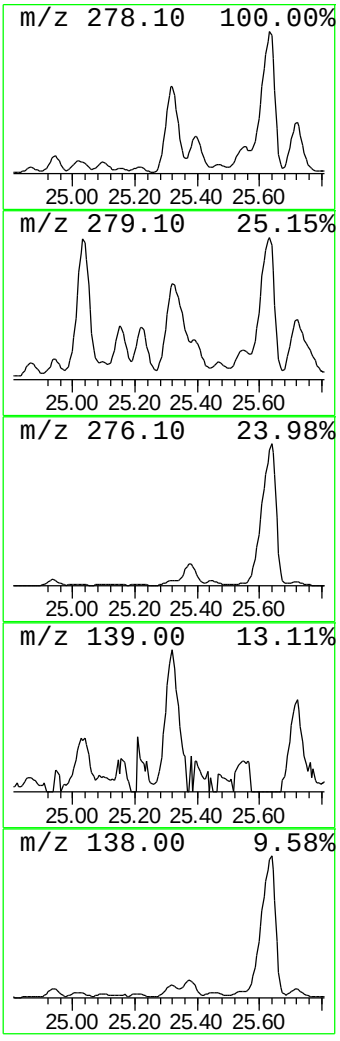
Peak Number 35 Picene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.31	11.75 ng/ul	3472000	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
5	Benzo[b]chrysene	278	C22H14	000214-17-5	95





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Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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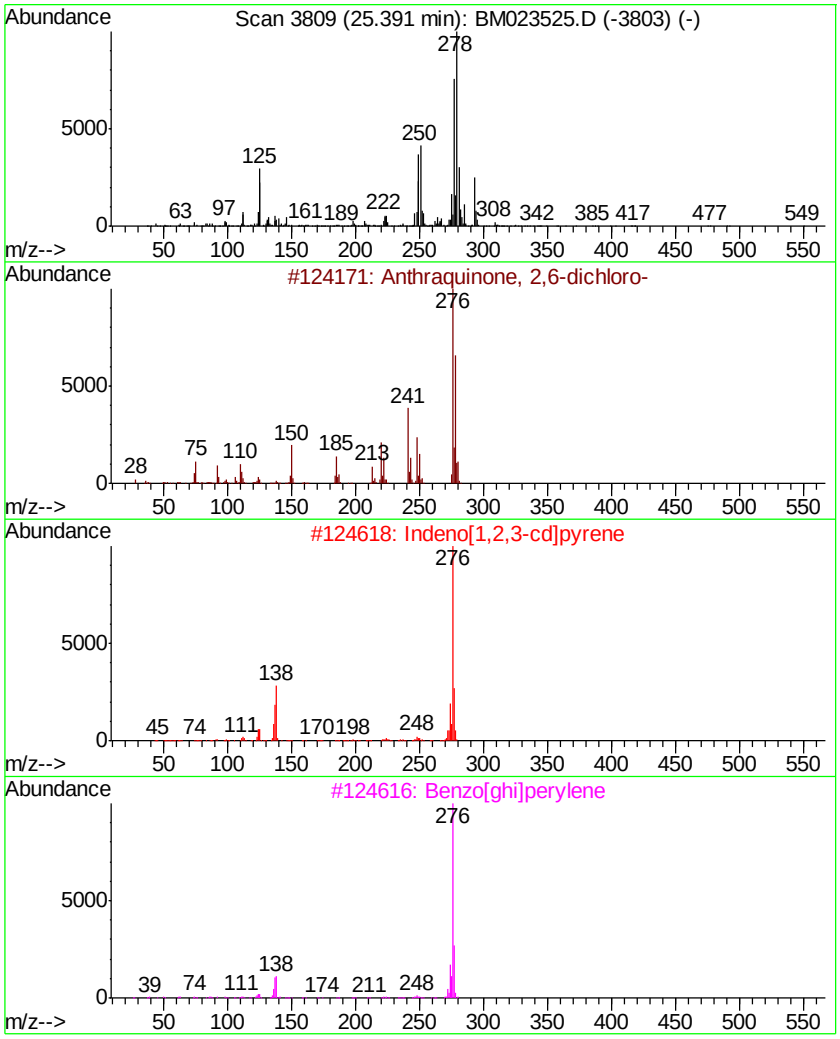
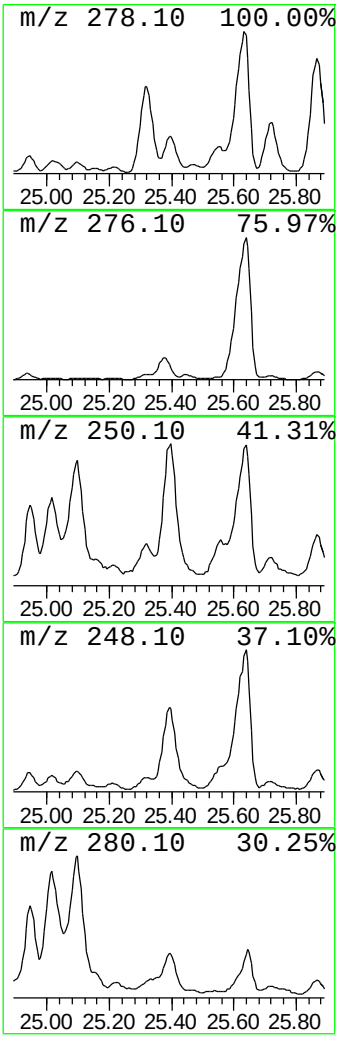
Peak Number 36 Anthraquinone, 2,6-dichloro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.39	24.37 ng/ul	7199670	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthraquinone, 2,6-dichloro-	276	C14H6Cl2O2	000605-40-3	58
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	42
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	42
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	41
5	Phenanthro[3,2-b]furan-7,11-dion...	276	C18H12O3	020958-17-2	38





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Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

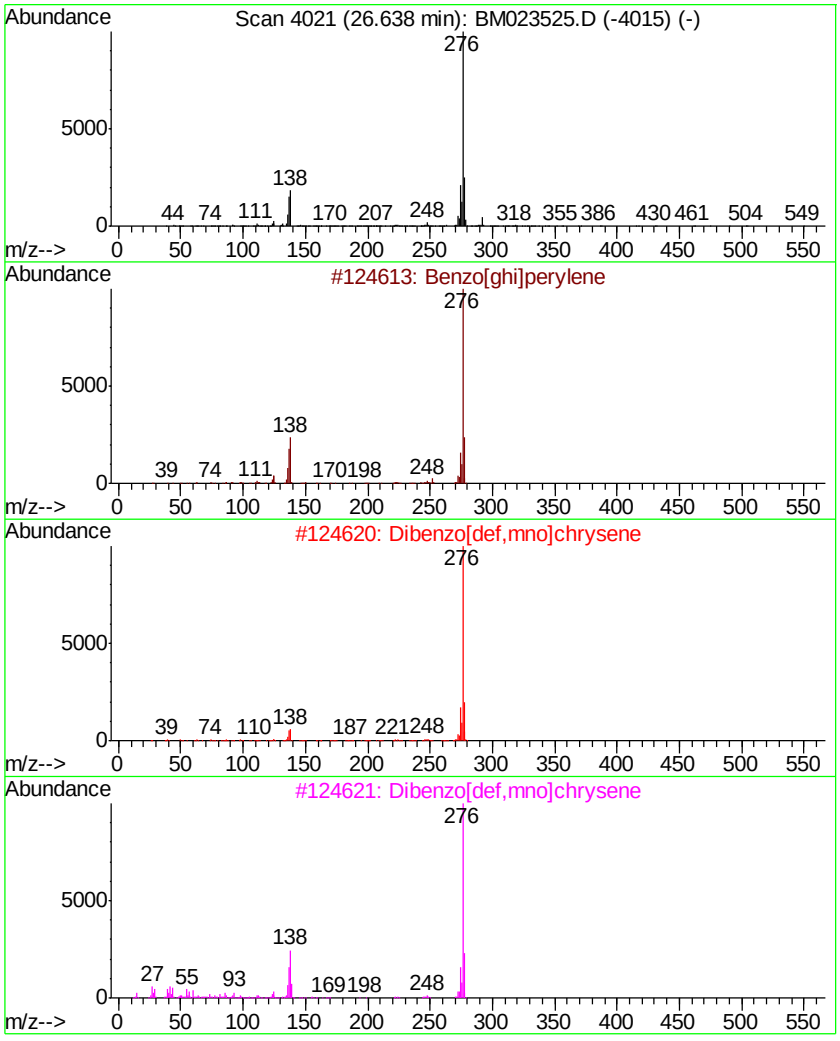
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

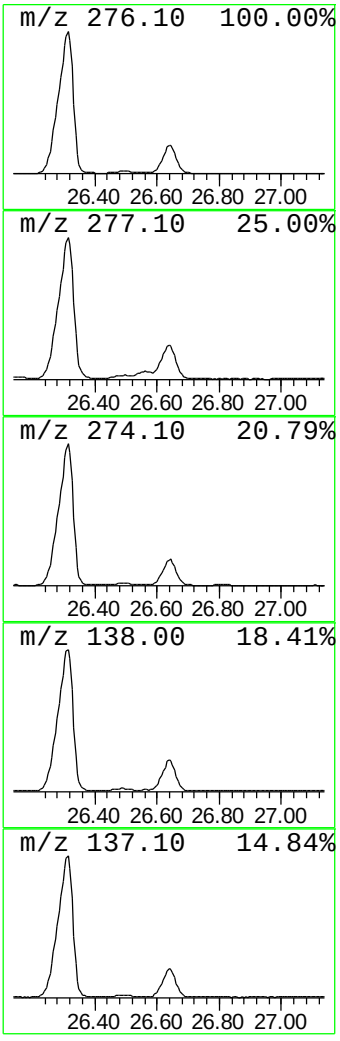
****

Peak Number 40 Dibenzo[def,mno]chrysene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.64	37.69 ng/ul	11136000	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
5	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM103119\
Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0003

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.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
.beta.-Pinene	7.06	13.6	ng/ul	1631510	1	7.61	2408870	20.0
Dibenzofuran, 4-m...	15.76	6.5	ng/ul	1703890	4	17.01	5274170	20.0
9H-Fluoren-9-one	16.67	8.7	ng/ul	2305500	4	17.01	5274170	20.0
Anthracene, 1,2,3...	16.76	6.8	ng/ul	1795770	4	17.01	5274170	20.0
Dibenzothiophene	16.83	12.5	ng/ul	3303580	4	17.01	5274170	20.0
Dibenzo[a,e]cyclo...	17.53	8.0	ng/ul	2100680	4	17.01	5274170	20.0
Phenanthrene, 4-m...	17.89	21.8	ng/ul	5749710	4	17.01	5274170	20.0
Phenanthrene, 2-m...	17.93	32.0	ng/ul	8450800	4	17.01	5274170	20.0
Phenanthrene, 1-m...	18.12	12.1	ng/ul	3190810	4	17.01	5274170	20.0
4,4'-Bis(tetrahyd...	18.21	5.6	ng/ul	1470270	4	17.01	5274170	20.0
Naphthalene, 2-ph...	18.39	27.9	ng/ul	7357000	4	17.01	5274170	20.0
9,10-Anthracenedione	18.43	26.0	ng/ul	6866240	4	17.01	5274170	20.0
Phenanthrene, 2,5...	18.82	10.7	ng/ul	2809310	4	17.01	5274170	20.0
Cyclopenta(def)ph...	18.96	28.3	ng/ul	7456010	4	17.01	5274170	20.0
Phenaleno[1,9-bc]...	19.32	3.0	ng/ul	13745900	5	21.22	90795300	20.0
Pyrene, 1-methyl-	19.78	2.6	ng/ul	11698800	5	21.22	90795300	20.0
11H-Benzo[a]fluor...	20.69	2.9	ng/ul	13119800	5	21.22	90795300	20.0
Benzo[b]naphtho[2...	20.86	3.1	ng/ul	13954800	5	21.22	90795300	20.0
Cyclopenta(cd)pyr...	20.90	2.4	ng/ul	11094700	5	21.22	90795300	20.0
unknown-01	20.94	4.2	ng/ul	18857900	5	21.22	90795300	20.0
11H-Indeno(1,2-b)...	21.52	2.4	ng/ul	10727500	5	21.22	90795300	20.0
Phenanthro[3,4-c]...	22.40	7.2	ng/ul	2135340	6	23.41	5909000	20.0
Benz(a)anthracene...	22.51	35.0	ng/ul	10338500	6	23.41	5909000	20.0
Benzo[e]pyrene	22.93	40.3	ng/ul	11900900	6	23.41	5909000	20.0
Dinaphtho[1,2-b:1...	23.06	29.4	ng/ul	8693910	6	23.41	5909000	20.0
(DEL) Alkane: Str...	23.96	13.1	ng/ul	3870120	6	23.41	5909000	20.0
Benzoxazole, 2-[2...	24.94	10.7	ng/ul	3147140	6	23.41	5909000	20.0
unknown-02	25.10	28.0	ng/ul	8275120	6	23.41	5909000	20.0
Picene	25.31	11.8	ng/ul	3472000	6	23.41	5909000	20.0
Anthraquinone, 2,...	25.39	24.4	ng/ul	7199670	6	23.41	5909000	20.0
Dibenzo[def,mno]c...	26.64	37.7	ng/ul	11136000	6	23.41	5909000	20.0