LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041936.D
Acq On : 4 Aug 2019 10:34
Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

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_G\METHODS\SOM-EPA-BG080319MA.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	3.158	7	12	28	rVB	354415	584012	12.56%	1.434%
2	7.183	689	697	708	rBV	30700	66726	1.44%	0.164%
3	7.353	720	726	738	rVB	25183	46624	1.00%	0.114%
4	7.559	754	761	773	rBV2	36356	70131	1.51%	0.172%
5	8.035	834	842	854	rBV	282642	498495	10.72%	1.224%
6	8.740	954	962	972	rBV3	34826	73510	1.58%	0.180%
7	9.198	1034	1040	1052	rBV	35034	67482	1.45%	0.166%
8	9.932	1159	1165	1173	rBV2	29507	54336	1.17%	0.133%
9	10.479	1250	1258	1270	rBV2	38465	89541	1.93%	0.220%
10	10.861	1314	1323	1330	rBV	404487	760289	16.35%	1.866%
11	12.741	1636	1643	1652	rBV	24473	41279	0.89%	0.101%
12	13.869	1828	1835	1842	rBV4	17890	43892	0.94%	0.108%
13	14.016	1854	1860	1865	rBV2	37242	66268	1.43%	0.163%
14	14.092	1865	1873	1877	rVV	107319	183046	3.94%	0.449%
15	14.139	1877	1881	1886	rVB	37934	52978	1.14%	0.130%
16	14.386	1916	1923	1933	rBV2	128386	237782	5.11%	0.584%
17	14.692	1965	1975	1982	rBV	705428	1152045	24.78%	2.828%
18	14.756	1982	1986	1994	rVV	78995	128960	2.77%	0.317%
19	14.897	2003	2010	2020	rVV4	32459	89380	1.92%	0.219%
20	15.003	2020	2028	2033	rVV4	21927	49212	1.06%	0.121%
21	15.091	2036	2043	2051	rVV2	34128	70771	1.52%	0.174%
22	15.167	2051	2056	2063	rVB3	23364	37318	0.80%	0.092%
23	15.485	2103	2110	2113	rBV3	19959	46303	1.00%	0.114%
24	15.684	2135	2144	2149	rVV	175952	263399	5.67%	0.647%
25	15.743	2149	2154	2159	rVB	64821	96515	2.08%	0.237%
26	15.867	2172	2175	2178	rVV	28962	36825	0.79%	0.090%
27	15.908	2178	2182	2186	rVB4	29419	47700	1.03%	0.117%
28	16.413	2259	2268	2277	rVB7	34825	74324	1.60%	0.182%
29	16.754	2314	2326	2330	rBV4	39543	108474	2.33%	0.266%
30	16.801	2330	2334	2339	rVB5	34030	58334	1.25%	0.143%
31	16.901	2348	2351	2355	rVB3	30168	42004	0.90%	0.103%
32	17.018	2367	2371	2379	rVB4	25858	41879	0.90%	0.103%
33	17.100	2379	2385	2390	rVB3	40240	72583	1.56%	0.178%
34	17.265	2408	2413	2418	rVB	64936	97353	2.09%	0.239%

LSC Area Percent Report

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Acq On : 4 Aug 2019 10:34
Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

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_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

35	17.447	2438	2444	2447	rVV2	845569	1344768	28.92%	3.301%
36	17.488	2447	2451	2456	rVV	855045	1301701	28.00%	3.195%
37	17.541	2456	2460	2463	rVV2	191153	299261	6.44%	0.735%
38	17.576	2463	2466	2471	rVV	190422	280677	6.04%	0.689%
39	17.629	2471	2475	2481	rVB4	31907	55551	1.19%	0.136%
40	17.847	2508	2512	2516	rBV2	24754	46811	1.01%	0.115%
41	17.964	2530	2532	2536	rVB	33309	38284	0.82%	0.094%
42	18.029	2538	2543	2553	rVB3	135380	228586	4.92%	0.561%
43	18.176	2562	2568	2575	rVB	62734	111815	2.41%	0.274%
44	18.328	2588	2594	2598	rVV	308012	530736	11.42%	1.303%
45	18.375	2598	2602	2605	rVV	354653	551926	11.87%	1.355%
46	18.411	2605	2608	2612	rVV	318559	390626	8.40%	0.959%
47	18.452	2612	2615	2620	rVV	114260	157640	3.39%	0.387%
48	18.516	2620	2626	2630	rVV2	414647	795913	17.12%	1.954%
49	18.552	2630	2632	2640	rVB	231593	364939	7.85%	0.896%
50	18.628	2640	2645	2649	rBV5	33835	64841	1.39%	0.159%
51	18.722	2656	2661	2665	rBV3	50173	77069	1.66%	0.189%
52	18.816	2671	2677	2681	rBV	153669	268550	5.78%	0.659%
53	18.857	2681	2684	2694	rVB2	148933	263490	5.67%	0.647%
54	18.945	2695	2699	2701	rBV	66078	80559	1.73%	0.198%
55	19.039	2711	2715	2716	rBV2	41340	50511	1.09%	0.124%
56	19.063	2716	2719	2724	rVV	125799	198700	4.27%	0.488%
57	19.116	2724	2728	2731	rVV	90928	136763	2.94%	0.336%
58	19.151	2731	2734	2738	rVB2	75836	111302	2.39%	0.273%
59	19.239	2743	2749	2753	rBV	272540	479646	10.32%	1.177%
60	19.298	2755	2759	2762	rVV3	135618	266225	5.73%	0.654%
61	19.327	2762	2764	2768	rVB2	95219	99500	2.14%	0.244%
62	19.374	2768	2772	2779	rBV2	164134	288028	6.20%	0.707%
63	19.498	2788	2793	2800	rBV	1174564	1605998	34.54%	3.942%
64	19.562	2800	2804	2807	rVV2	67029	103517	2.23%	0.254%
65	19.598	2807	2810	2814	rVB	78277	99104	2.13%	0.243%
66	19.692	2823	2826	2831	rVV2	47706	63189	1.36%	0.155%
67	19.744	2831	2835	2838	rVV	75886	111829	2.41%	0.275%
68	19.774	2838	2840	2845	rVB2	54797	68302	1.47%	0.168%
69	19.862	2851	2855	2863	rVB	1407549	2193447	47.18%	5.384%
70	19.938	2863	2868	2873	rVB2	111620	195535	4.21%	0.480%
71	20.091	2891	2894	2900	rVB4	83005	139420	3.00%	0.342%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

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_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

72	20.185	2904	2910	2920	rBV3	190195	525089	11.29%	1.289%
73	20.320	2928	2933	2934	rBV3	130499	188152	4.05%	0.462%
74	20.350	2935	2938	2944	rVB	304690	463795	9.98%	1.138%
75	20.449	2951	2955	2960	rVB	174617	240203	5.17%	0.590%
76	20.508	2960	2965	2969	rBV	288717	452197	9.73%	1.110%
77	20.549	2969	2972	2976	rVB2	87262	114749	2.47%	0.282%
78	20.637	2983	2987	2993	rBV2	552860	821372	17.67%	2.016%
79	20.696	2993	2997	3001	rVB	226624	295994	6.37%	0.727%
80	21.096	3060	3065	3076	rVB3	527132	1031961	22.20%	2.533%
81	21.307	3093	3101	3104	rBV3	191346	438570	9.43%	1.077%
82	21.348	3105	3108	3111	rVV	153434	213955	4.60%	0.525%
83	21.390	3112	3115	3121	rVV3	113533	221074	4.76%	0.543%
84	21.454	3122	3126	3131	rVB2	121498	184428	3.97%	0.453%
85	21.625	3144	3155	3164	rBV	2997635	4649204	100.00%	11.412%
86	21.724	3164	3172	3177	rVV3	1198620	3098231	66.64%	7.605%
87	21.777	3177	3181	3194	rVB	831482	1602618	34.47%	3.934%
88	21.936	3206	3208	3214	rVB4	197789	255764	5.50%	0.628%
89	22.147	3239	3244	3245	rBV4	83609	136937	2.95%	0.336%
90	22.400	3283	3287	3291	rBV2	83771	121922	2.62%	0.299%
91	22.477	3297	3300	3306	rVB	224330	323522	6.96%	0.794%
92	22.547	3308	3312	3322	rVB3	202710	425745	9.16%	1.045%
93	22.753	3343	3347	3351	rBV2	75921	120020	2.58%	0.295%
94	22.858	3360	3365	3369	rBV	280768	504584	10.85%	1.239%
95	23.969	3545	3554	3561	rBV3	375075	1304813	28.07%	3.203%
96	24.098	3573	3576	3583	rVB3	86279	157570	3.39%	0.387%
97	24.468	3633	3639	3647	rVB	244640	579917	12.47%	1.424%
98	24.697	3671	3678	3686	rBV	269322	703972	15.14%	1.728%
99	24.850	3697	3704	3719	rVB	389302	1106234	23.79%	2.715%
100	25.003	3721	3730	3738	rBV2	544608	1541149	33.15%	3.783%

Sum of corrected areas: 40738270

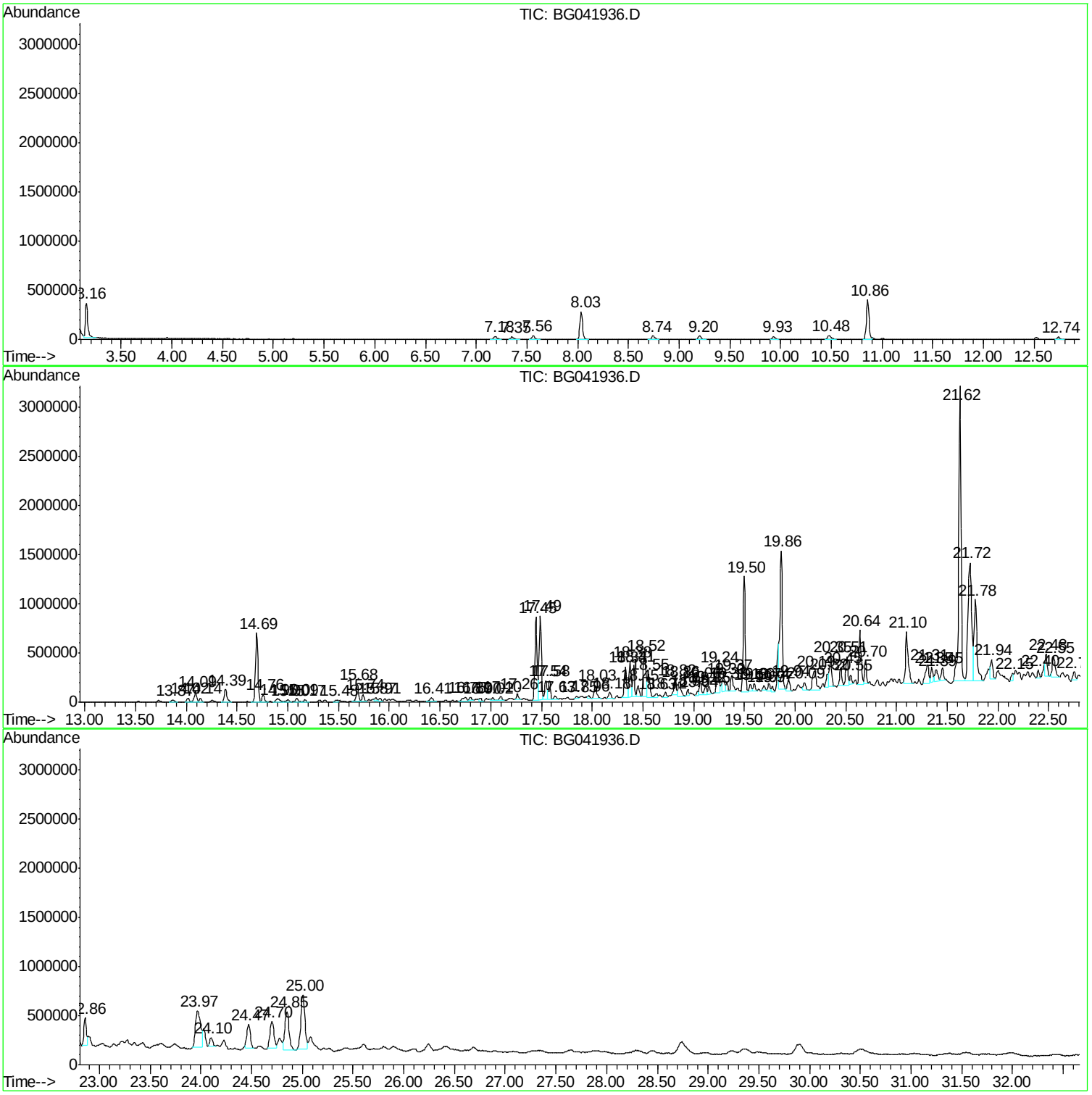
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041936.D
Acq On : 4 Aug 2019 10:34
Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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 G\DATA\BG080319\
Data File : BG041936.D
Acq On : 4 Aug 2019 10:34
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Sample : K3850-05DL 5X
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Instrument : BNA_G
ClientSampleId : BENP4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

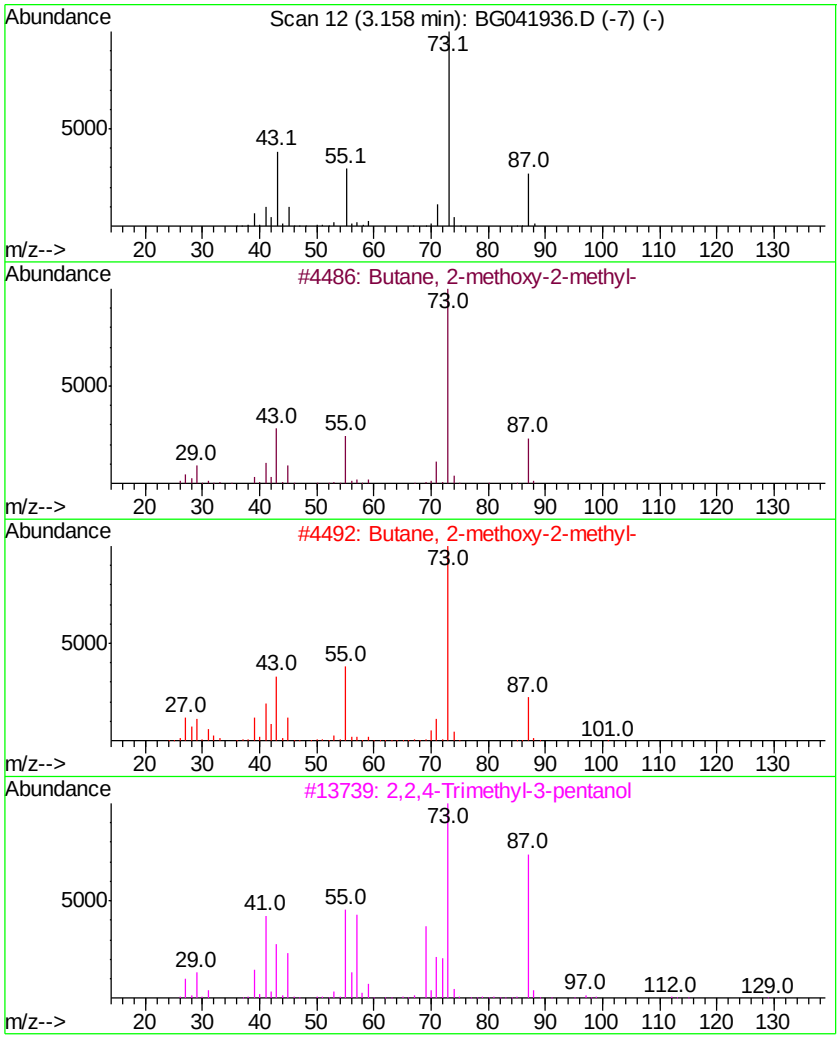
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

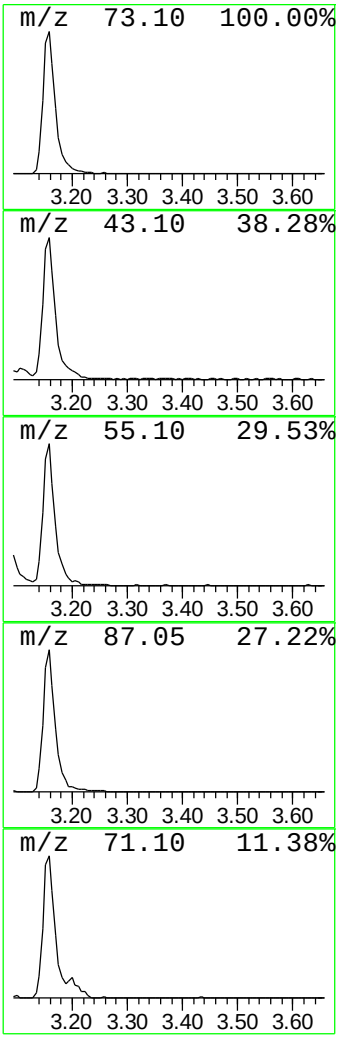
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	23.43 ng/ul	584012	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	42
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	35
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	28





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041936.D
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Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

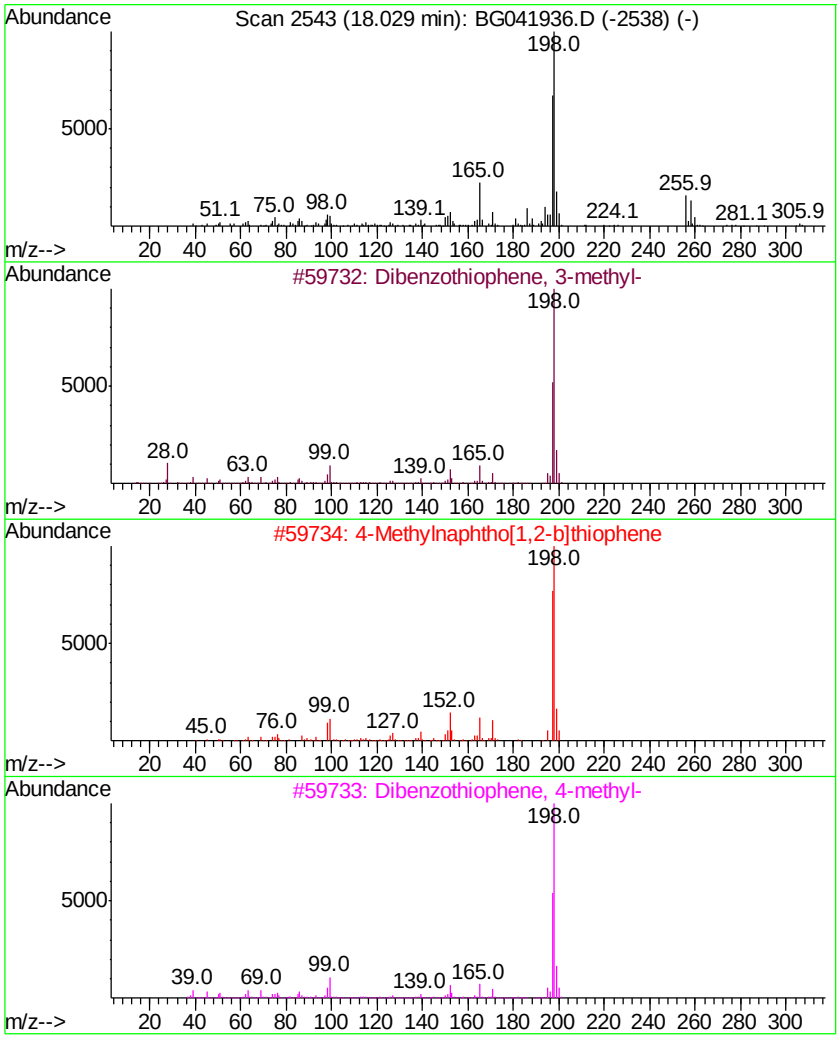
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

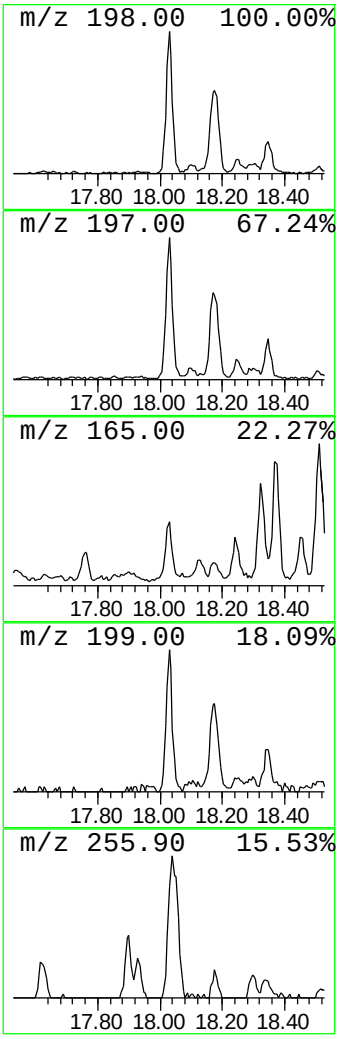
****

Peak Number 2 Dibenzothiophene, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	3.40 ng/ul	228586	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	86
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	83
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	70
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	68
5	Benzeneacetonitrile, 4-(1,2,3,6-...	198	C13H14N2	1000115-51-2	52





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Misc :
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Instrument : BNA_G
ClientSampleId : BENP4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

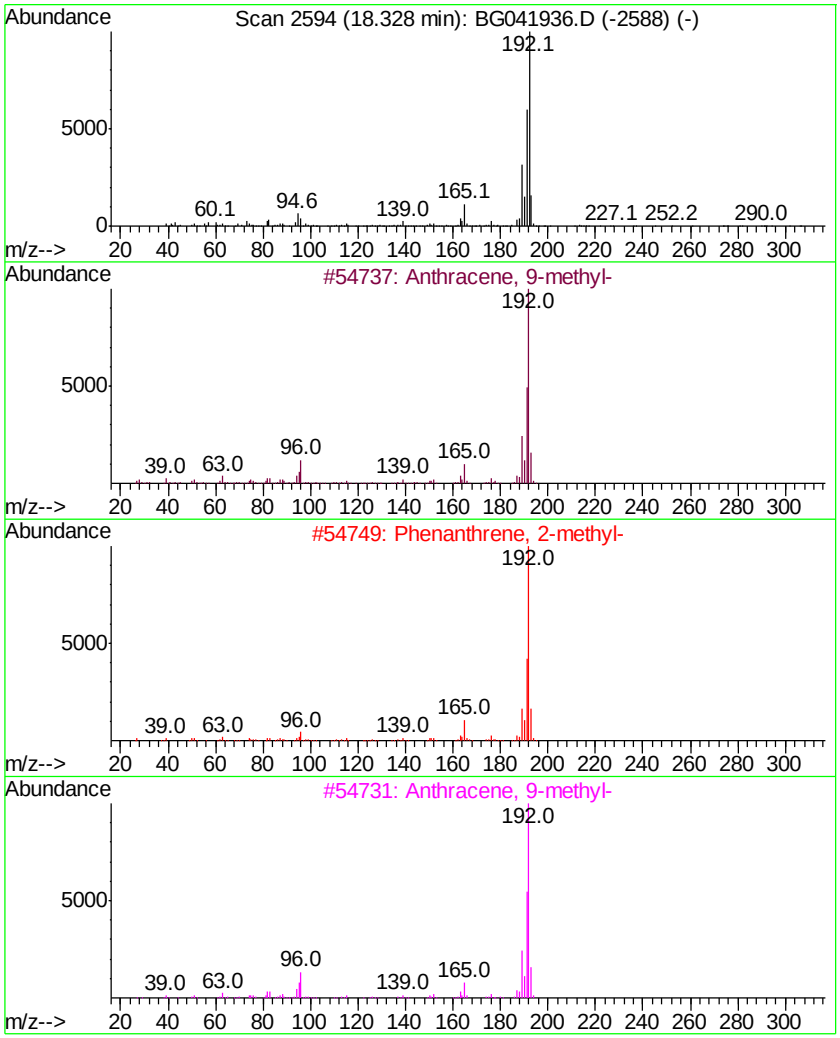
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

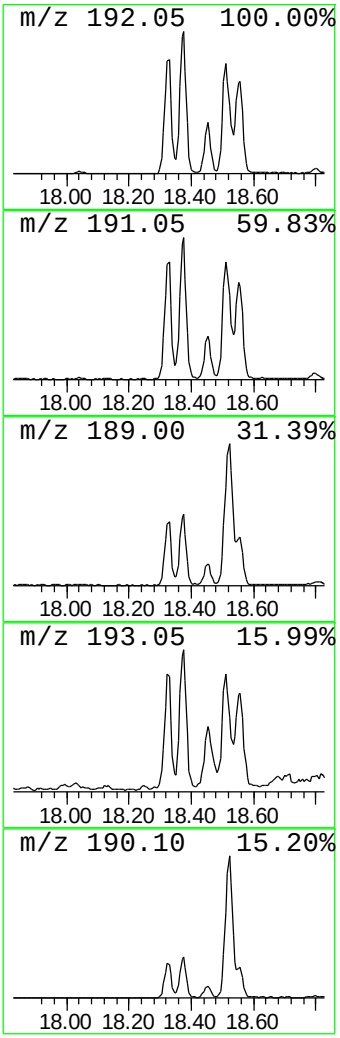
****

Peak Number 3 Anthracene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	7.89 ng/ul	530736	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041936.D
Acq On : 4 Aug 2019 10:34
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Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

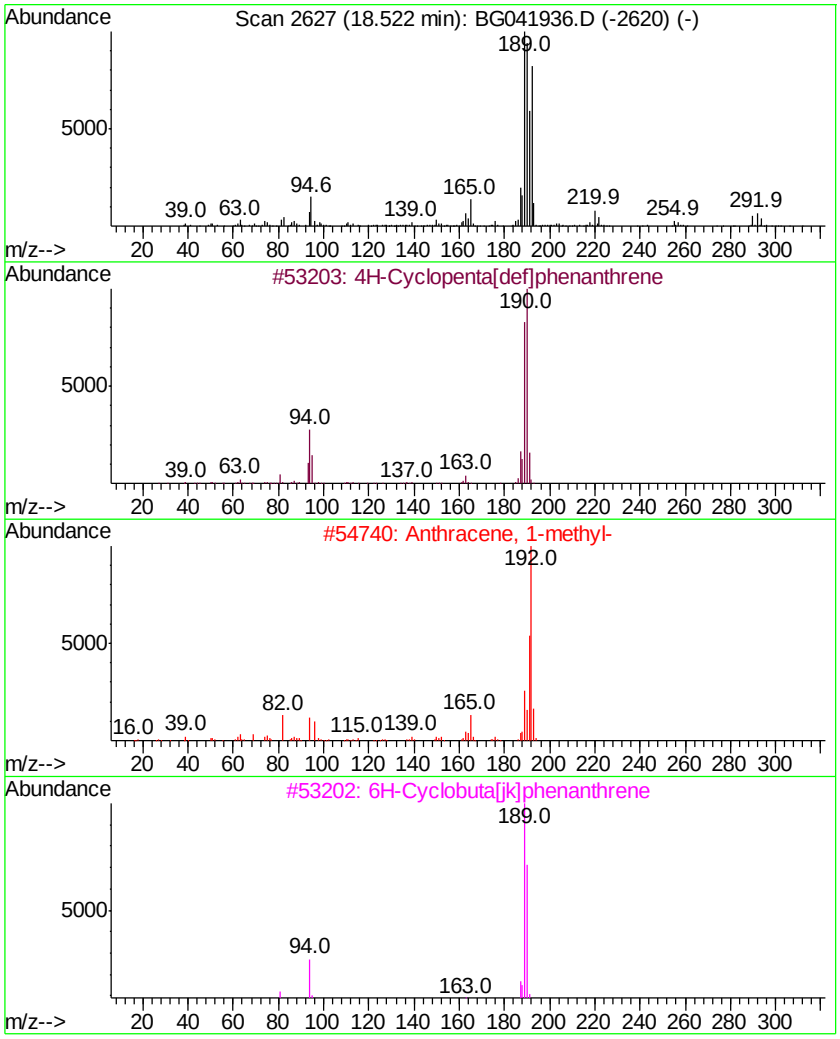
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

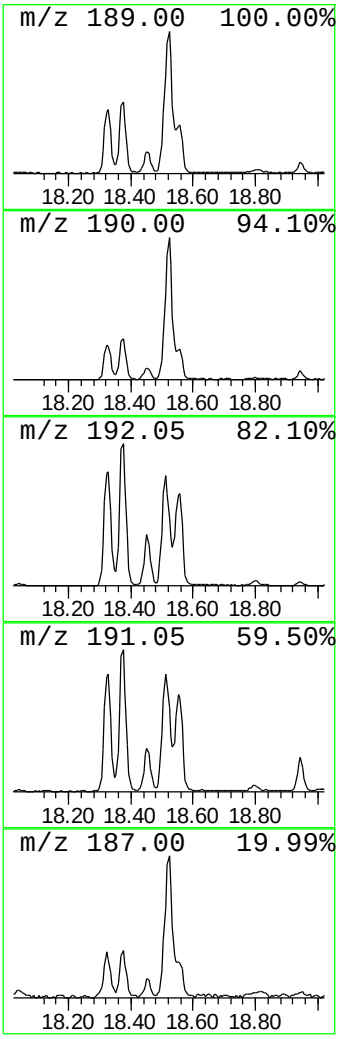
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	11.84 ng/ul	795913	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	43
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	43
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





Library Search Compound Report

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Data File : BG041936.D
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Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

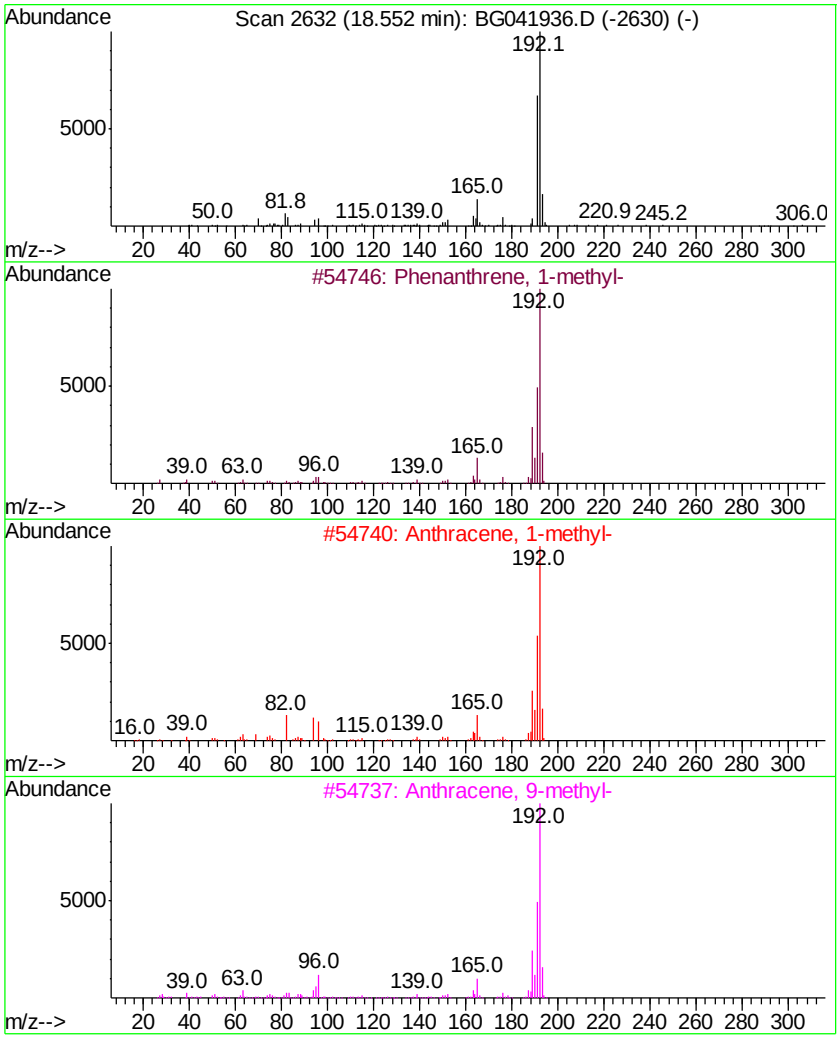
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

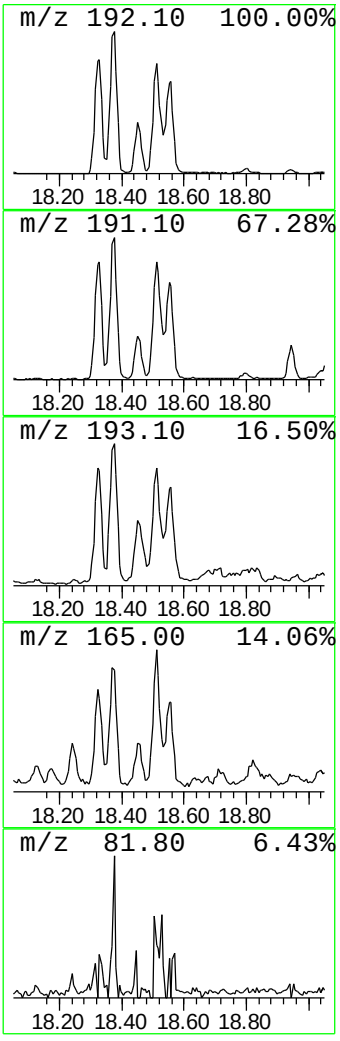
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	5.43 ng/ul	364939	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Library Search Compound Report

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Data File : BG041936.D
Acq On : 4 Aug 2019 10:34
Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

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Quant Title : SVOA CALIBRATION

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

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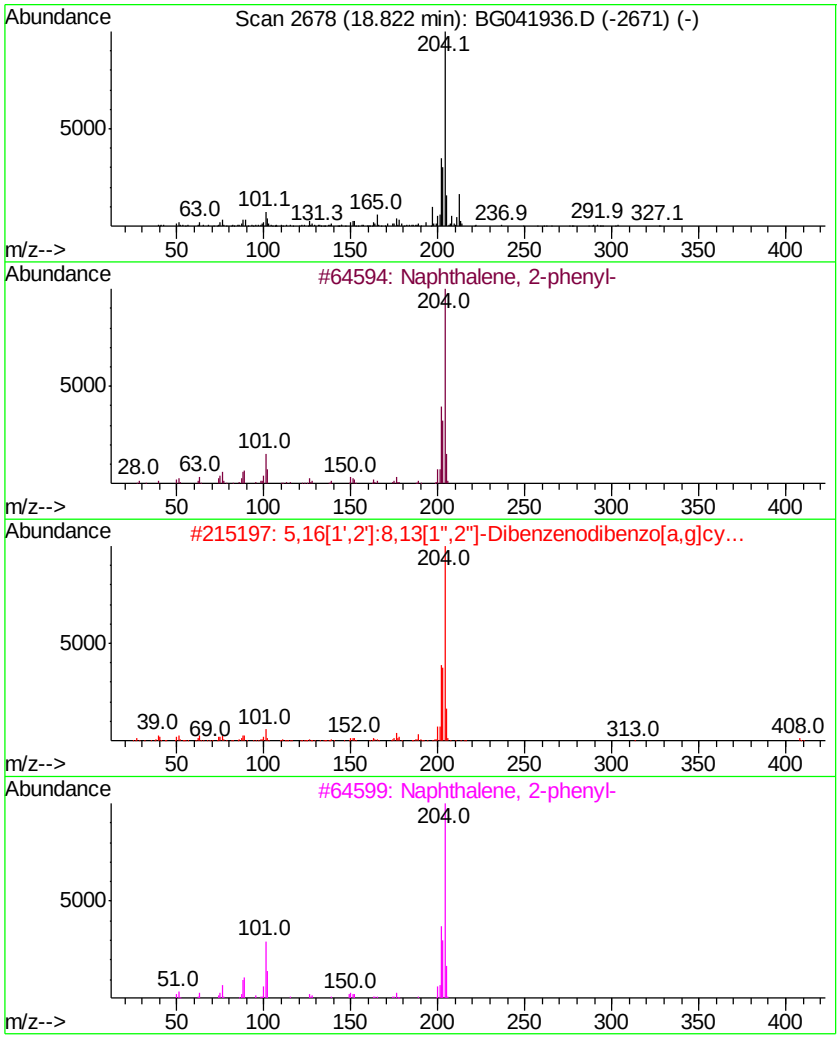
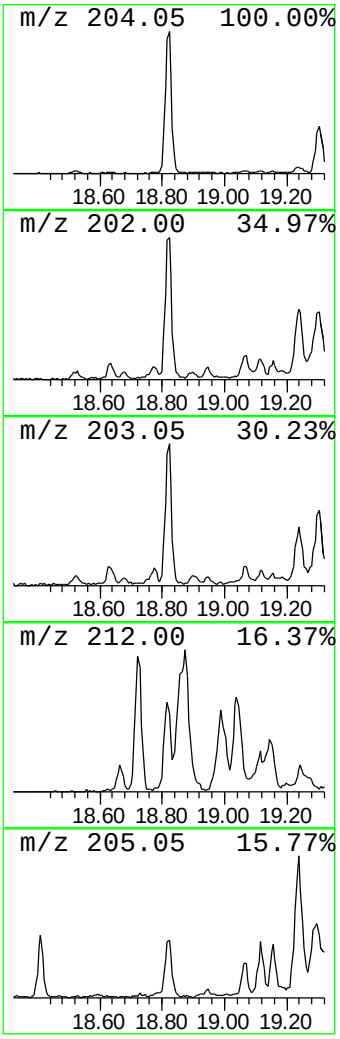
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	3.99 ng/ul	268550	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60





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Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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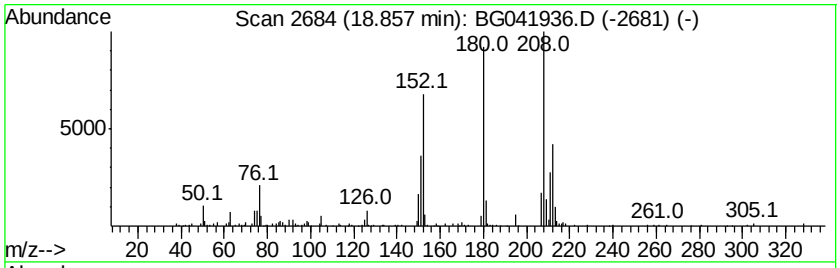
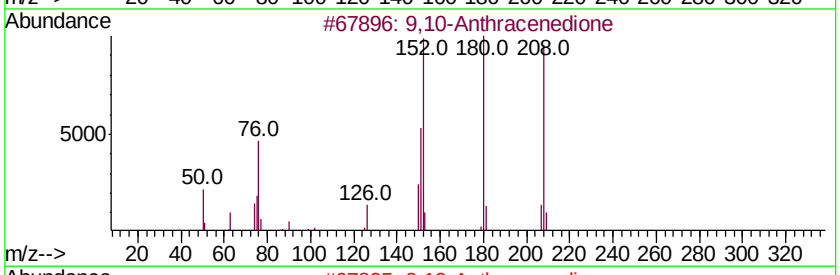
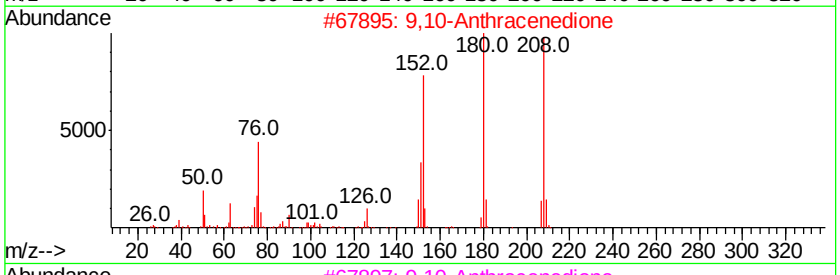
Peak Number 7 9,10-Anthracenedione Concentration Rank 13

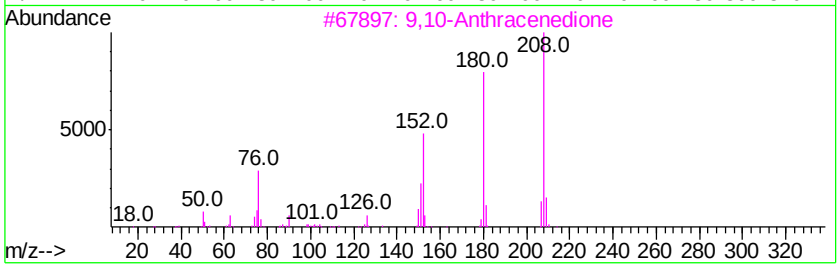
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	3.92 ng/ul	263490	Phenanthrene-d10	17.45

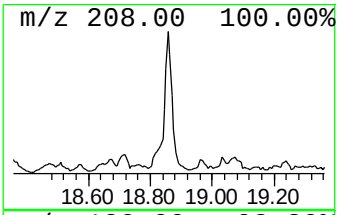
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	46
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	41

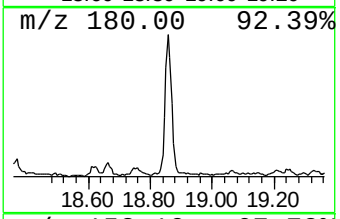


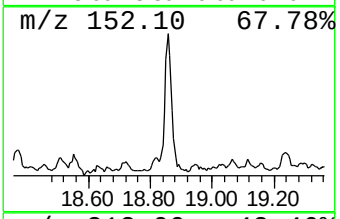


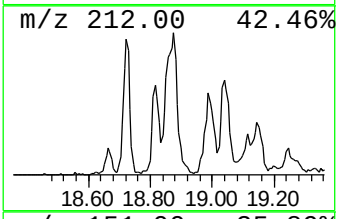


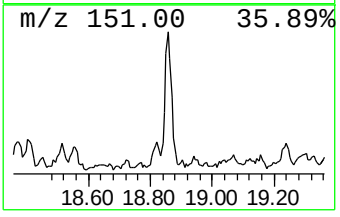












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Data File : BG041936.D
Acq On : 4 Aug 2019 10:34
Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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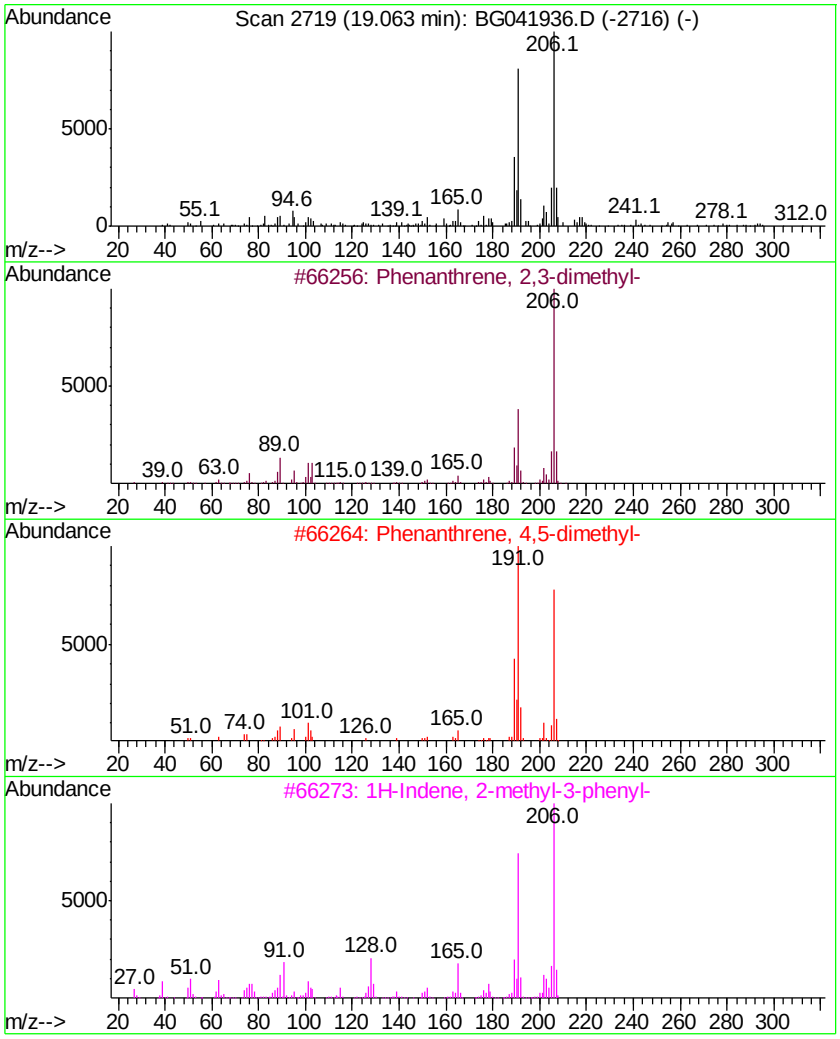
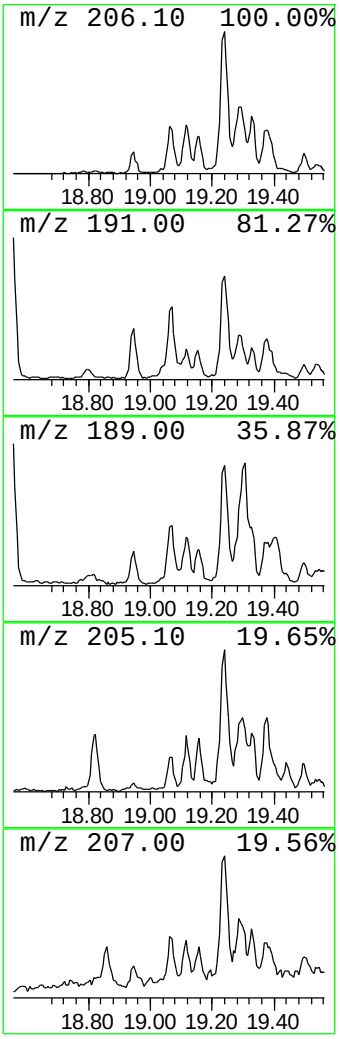
Peak Number 8 Phenanthrene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	2.96 ng/ul	198700	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	91
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90





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Acq On : 4 Aug 2019 10:34
Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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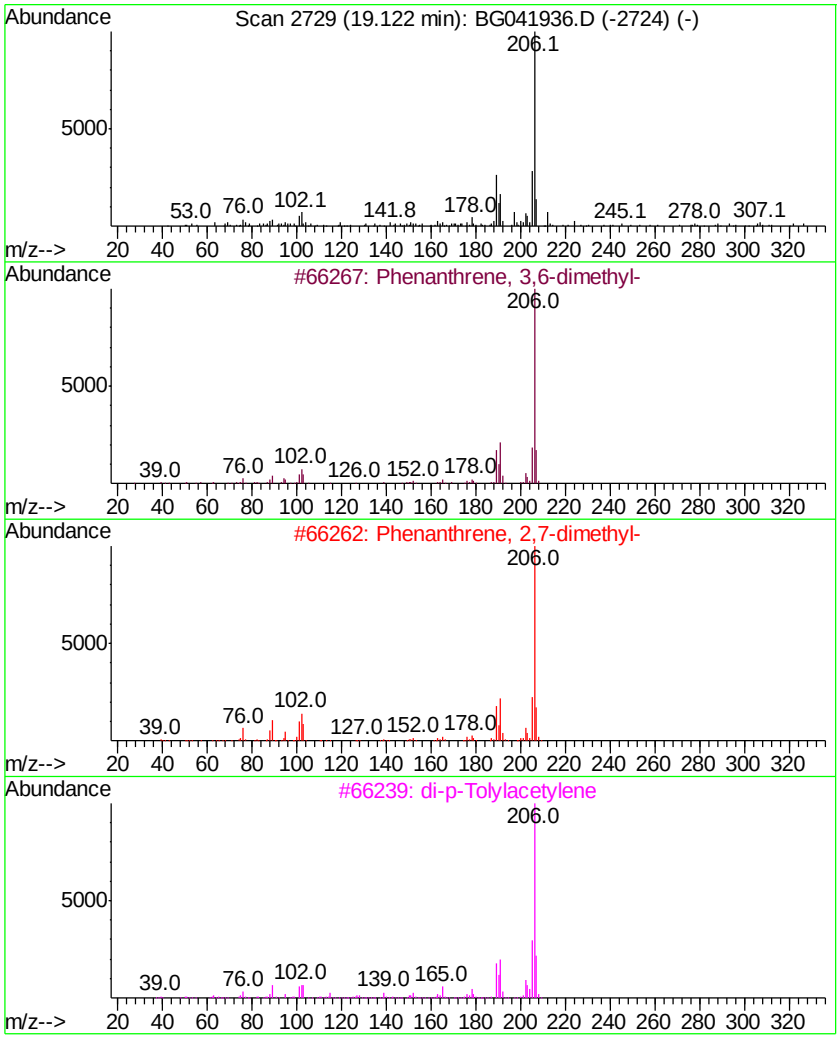
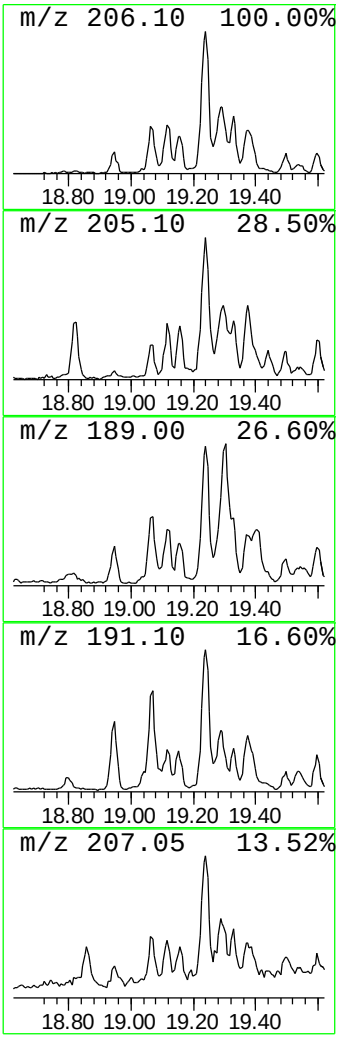
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	2.03 ng/ul	136763	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	80
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	78





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Acq On : 4 Aug 2019 10:34
Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

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Quant Title : SVOA CALIBRATION

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

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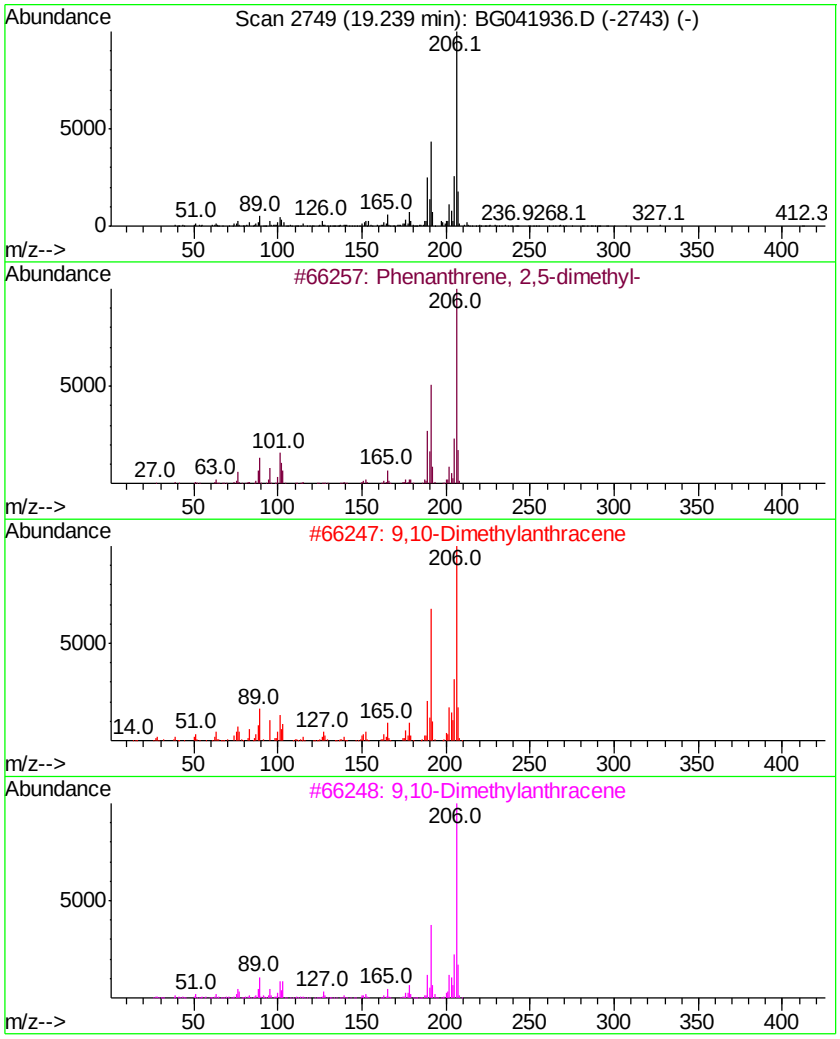
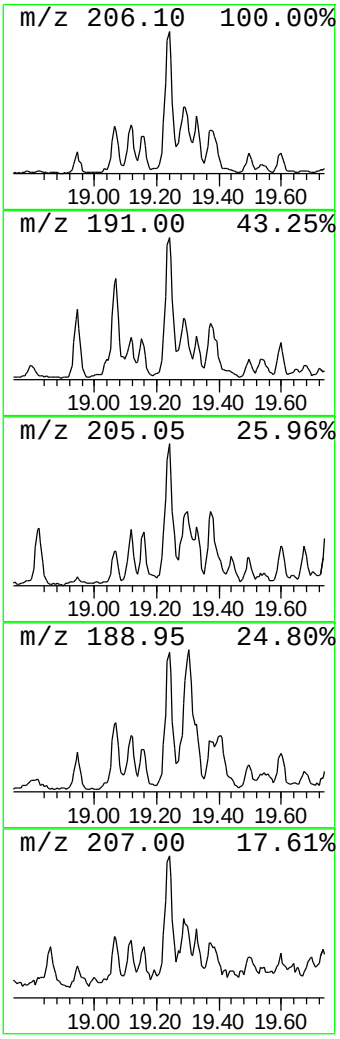
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	7.13 ng/ul	479646	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





Library Search Compound Report

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Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

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Quant Title : SVOA CALIBRATION

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

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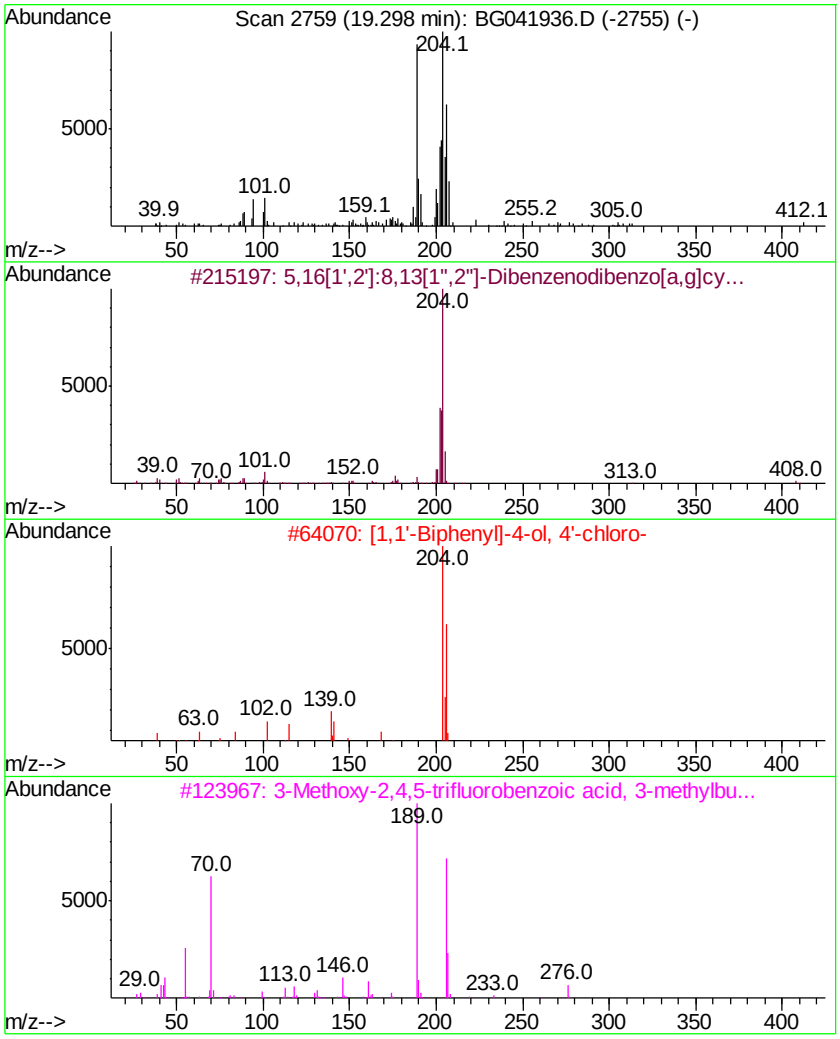
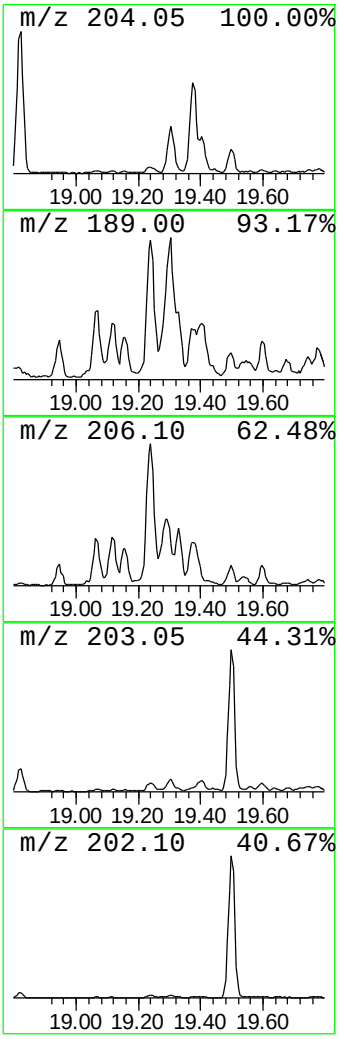
Peak Number 11 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	3.96 ng/ul	266225	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	32
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	30
3	3-Methoxy-2,4,5-trifluorobenzoic...	276	C13H15F3O3	1000360-56-9	27
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	25





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Sample : K3850-05DL 5X
Misc :
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Instrument : BNA_G
ClientSampleId : BENP4DL

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Quant Title : SVOA CALIBRATION

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

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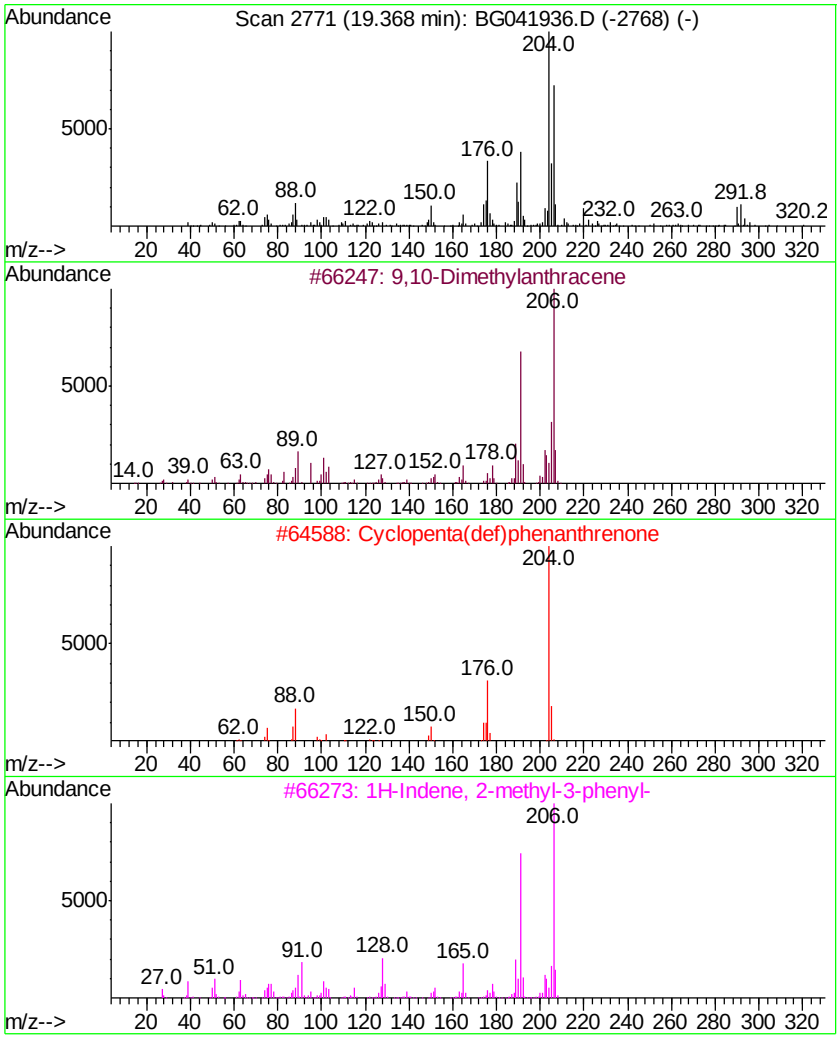
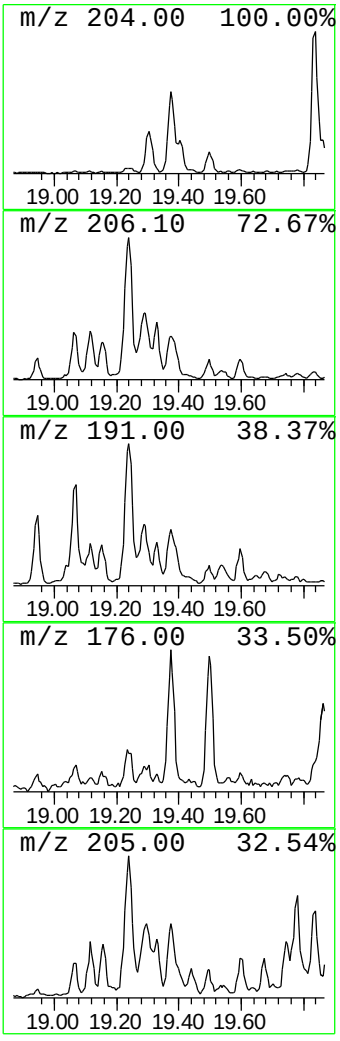
Peak Number 12 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	4.28 ng/ul	288028	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	42
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	41
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38





Library Search Compound Report

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Sample : K3850-05DL 5X
Misc :
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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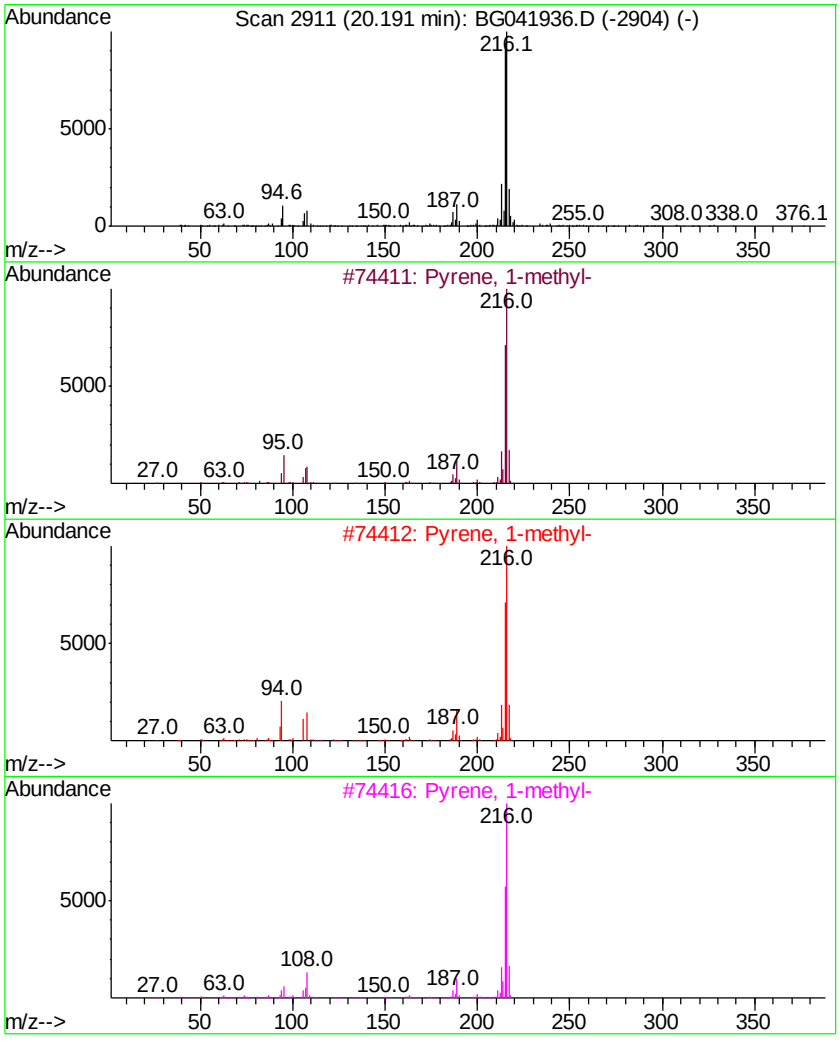
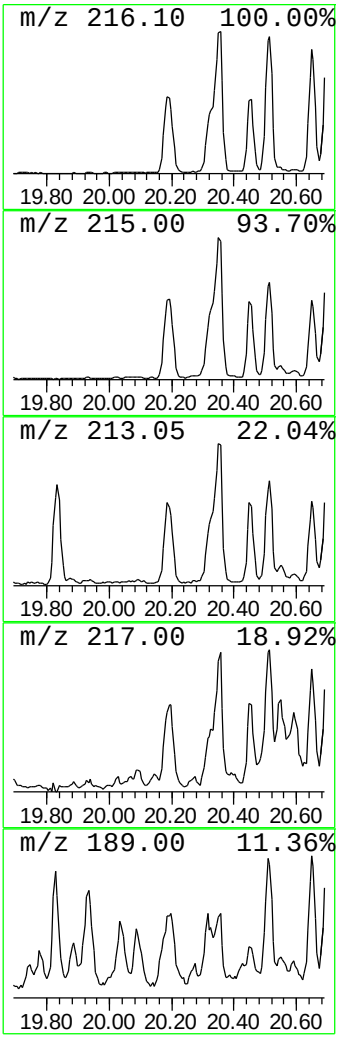
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	3.39 ng/ul	525089	Chrysene-d12	21.73

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	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89





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Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

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Quant Title : SVOA CALIBRATION

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

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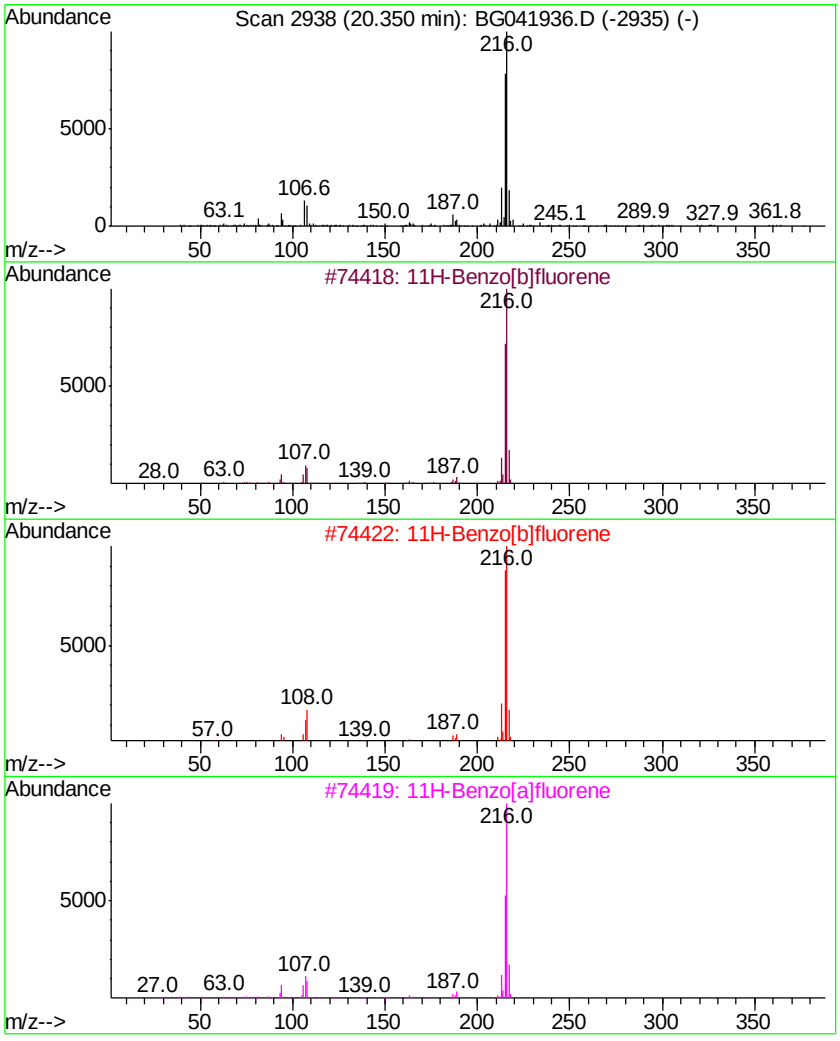
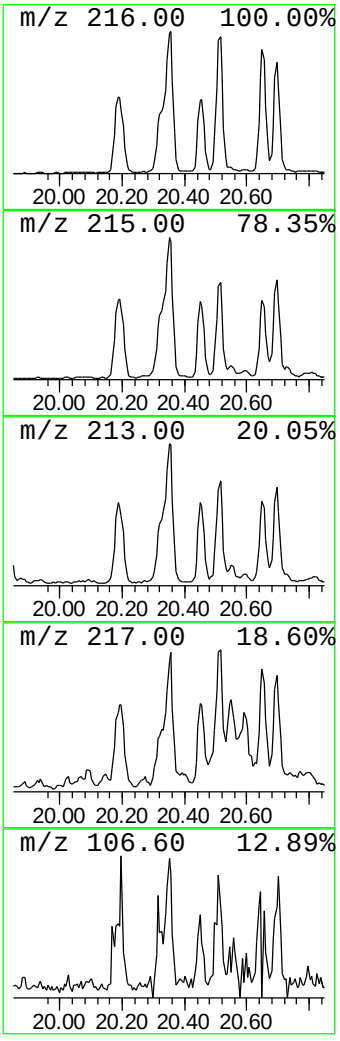
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.35	2.99 ng/ul	463795	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Quant Title : SVOA CALIBRATION

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

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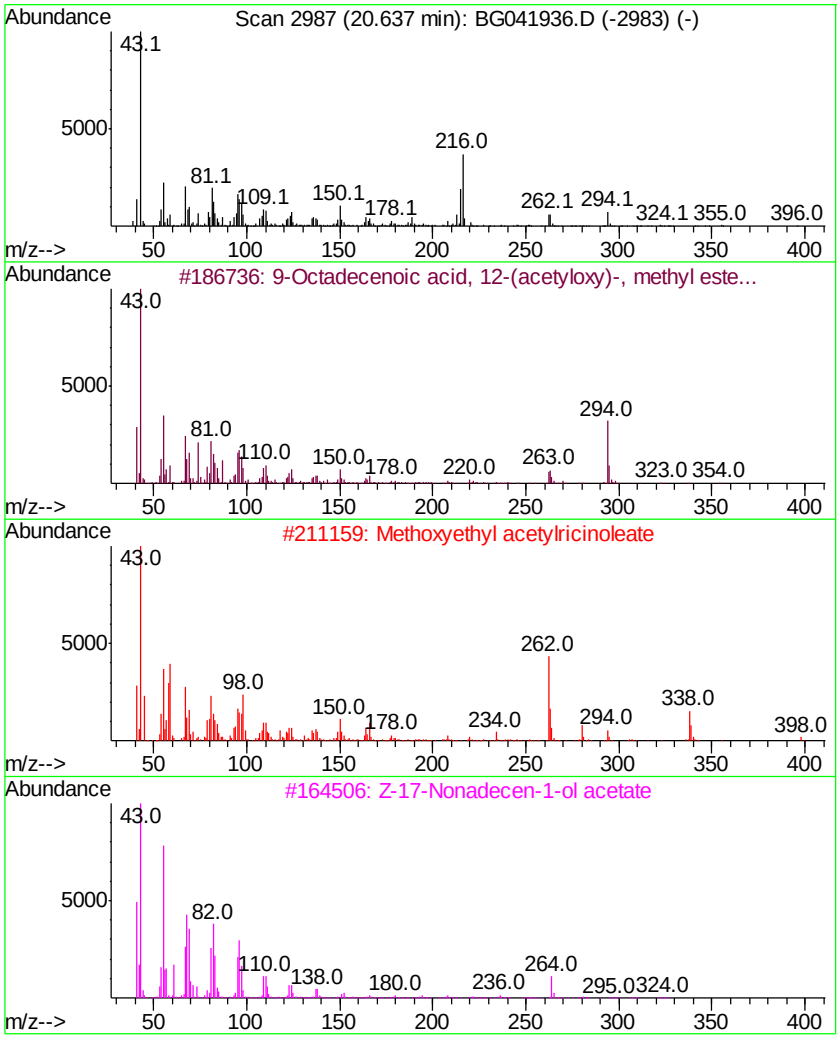
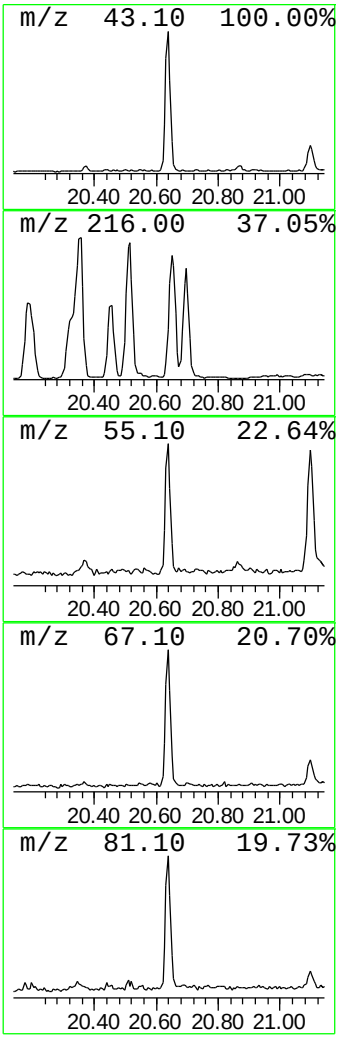
Peak Number 16 9-Octadecenoic acid, 12-(ac... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	5.30 ng/ul	821372	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, 12-(acetylo...	354	C21H38O4	000140-03-4	50
2	Methoxyethyl acetylricinoleate	398	C23H42O5	1000131-42-4	38
3	Z-17-Nonadecen-1-ol acetate	324	C21H40O2	1000131-07-9	25
4	Z-4-Nonadecen-1-ol acetate	324	C21H40O2	1000131-08-3	12
5	Z,Z-4,6-Nonadecadien-1-ol acetate	322	C21H38O2	1000131-08-4	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041936.D
Acq On : 4 Aug 2019 10:34
Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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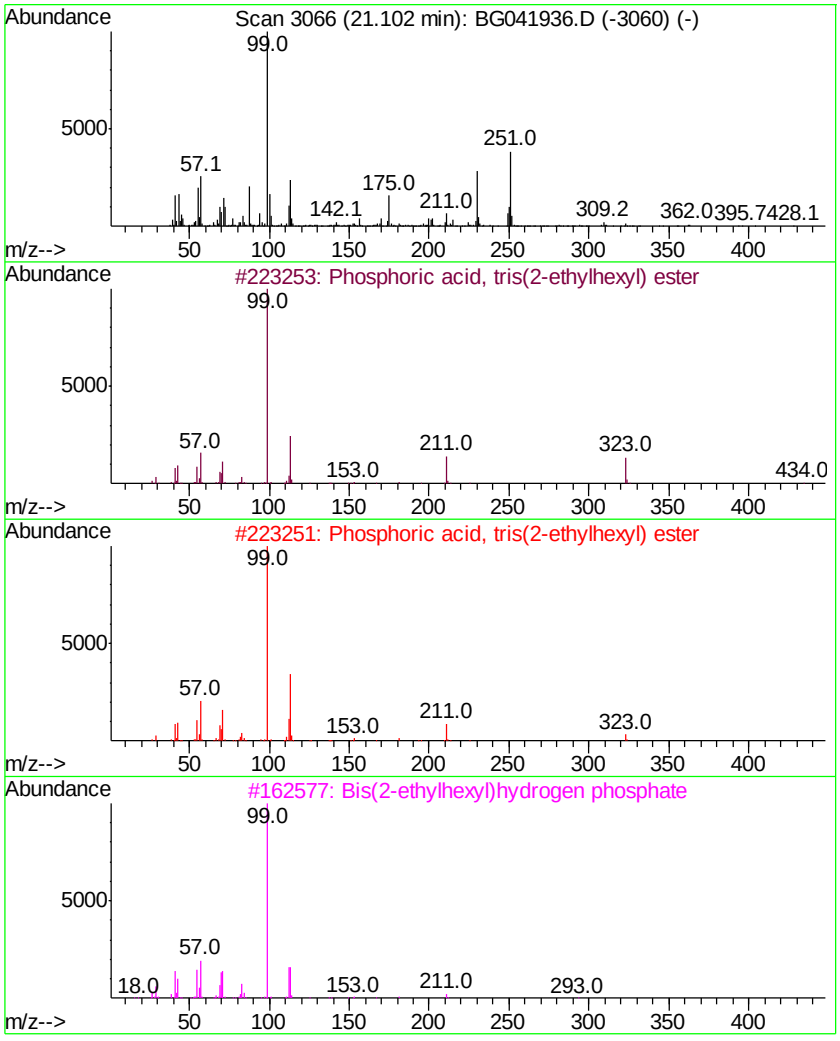
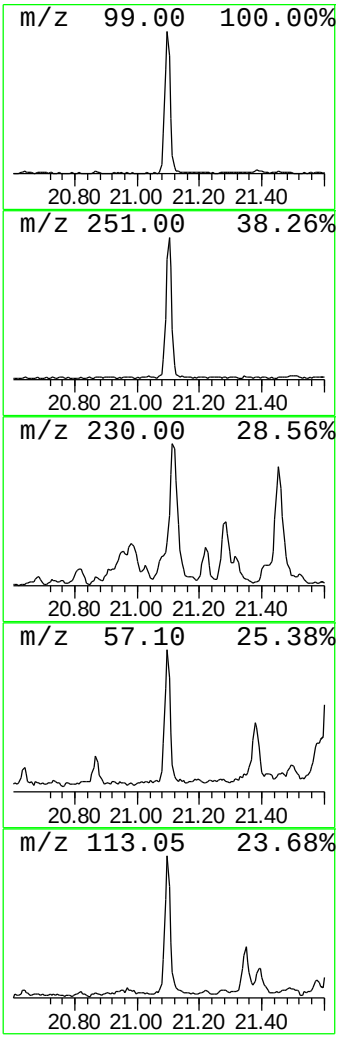
Peak Number 17 unknown-02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	6.66 ng/ul	1031960	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(2-ethylhex...	434	C24H51O4P	000078-42-2	43
2	Phosphoric acid, tris(2-ethylhex...	434	C24H51O4P	000078-42-2	43
3	Bis(2-ethylhexyl)hydrogen phosphate	322	C16H35O4P	000298-07-7	38
4	Phosphoric acid, tris(2-ethylhex...	434	C24H51O4P	000078-42-2	38
5	1-Penten-3-ol, 3-ethyl-2-methyl-	128	C8H16O	028832-46-4	37





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Data File : BG041936.D
Acq On : 4 Aug 2019 10:34
Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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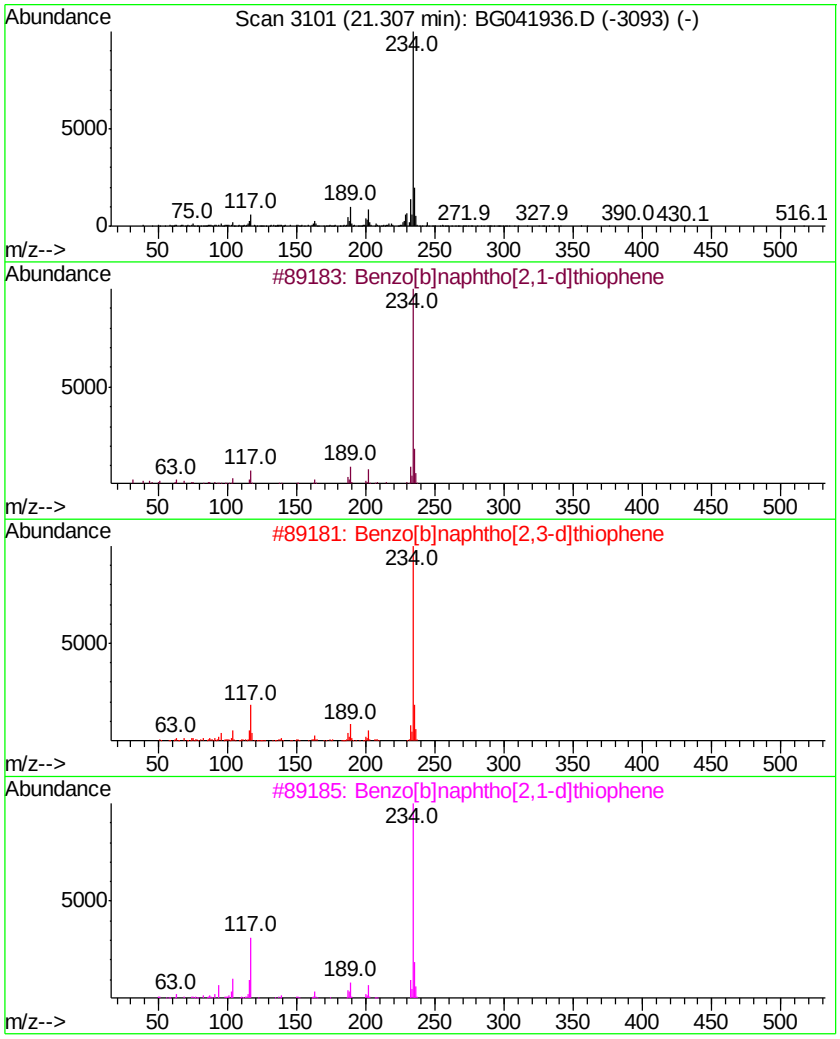
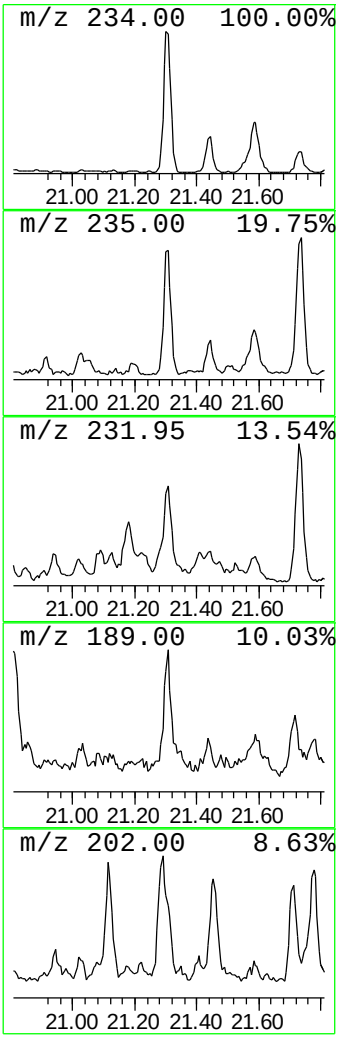
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.31	2.83 ng/ul	438570	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91





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Data File : BG041936.D
Acq On : 4 Aug 2019 10:34
Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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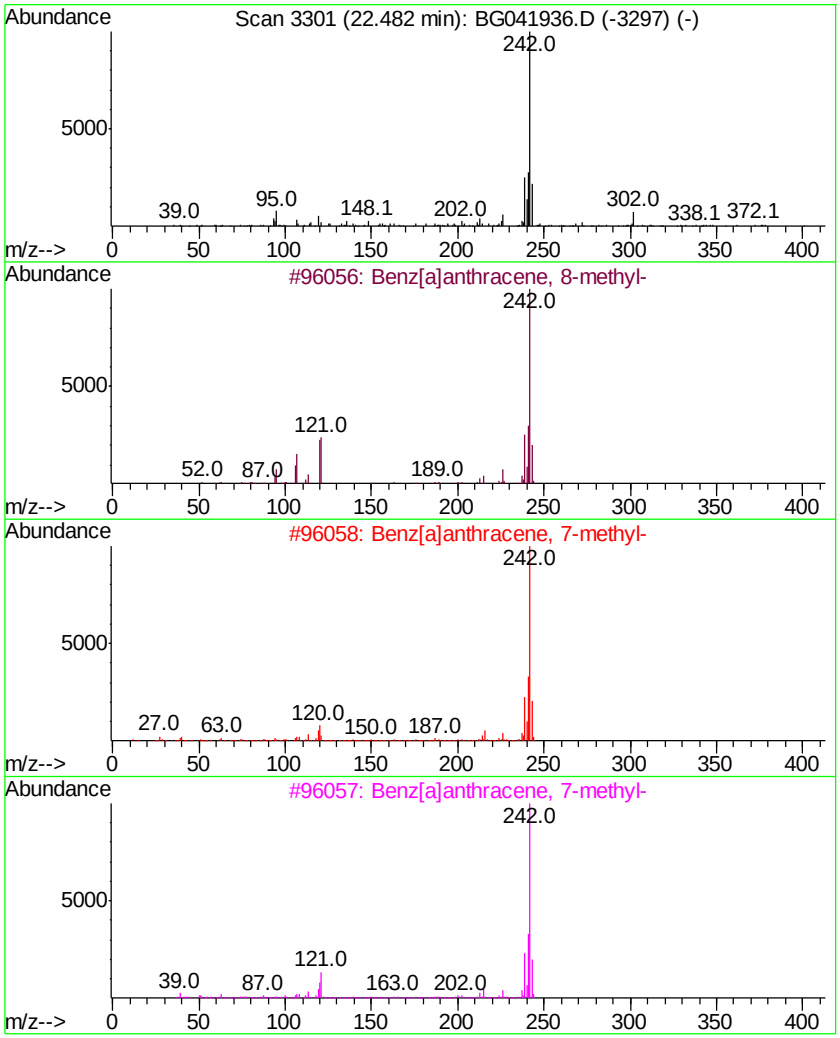
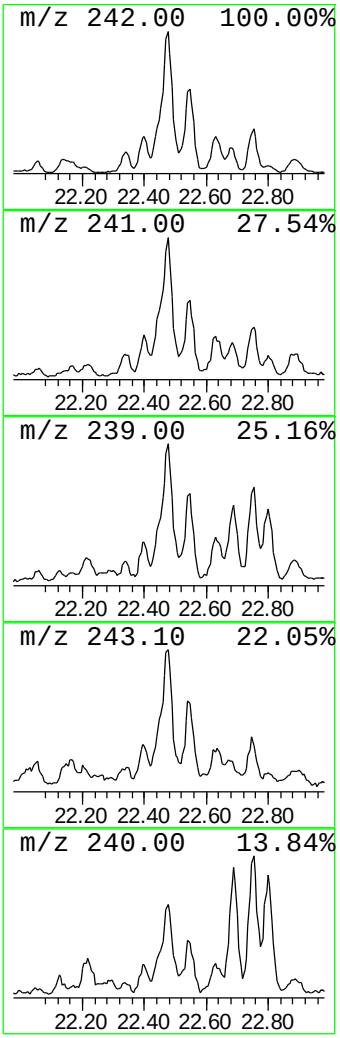
Peak Number 19 Benz[a]anthracene, 8-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.48	2.09 ng/ul	323522	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	86
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	81
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	81
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	81
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	81





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Data File : BG041936.D
Acq On : 4 Aug 2019 10:34
Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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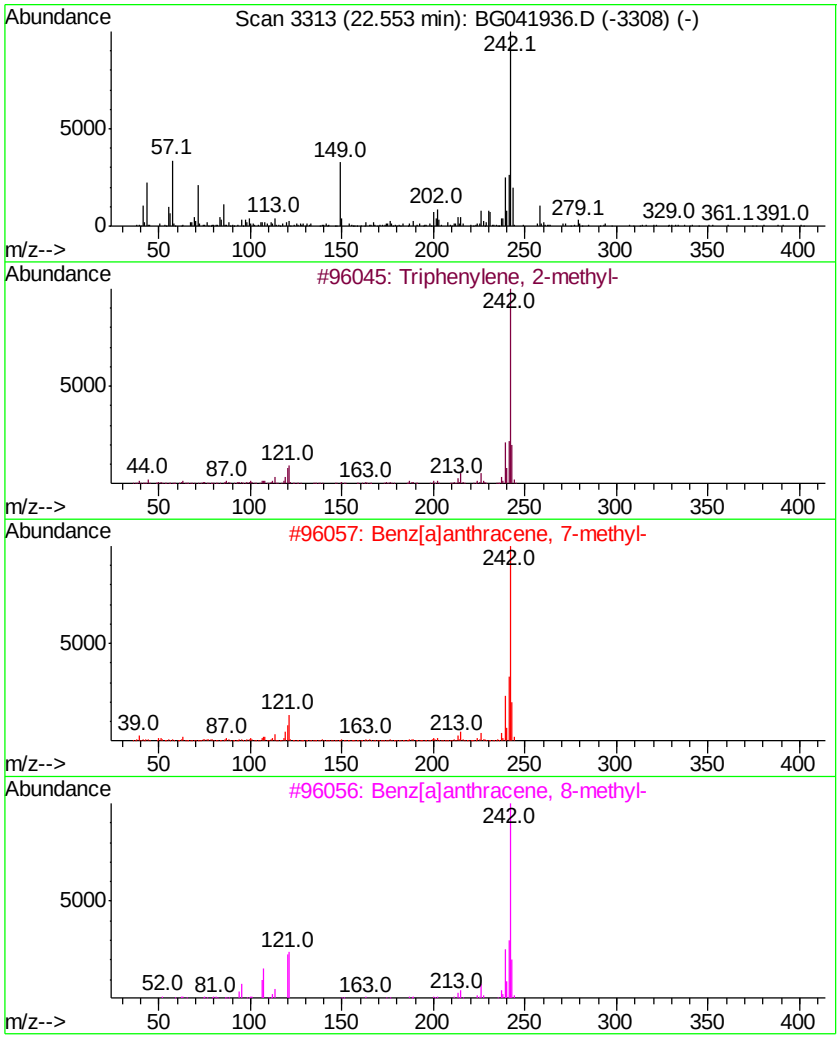
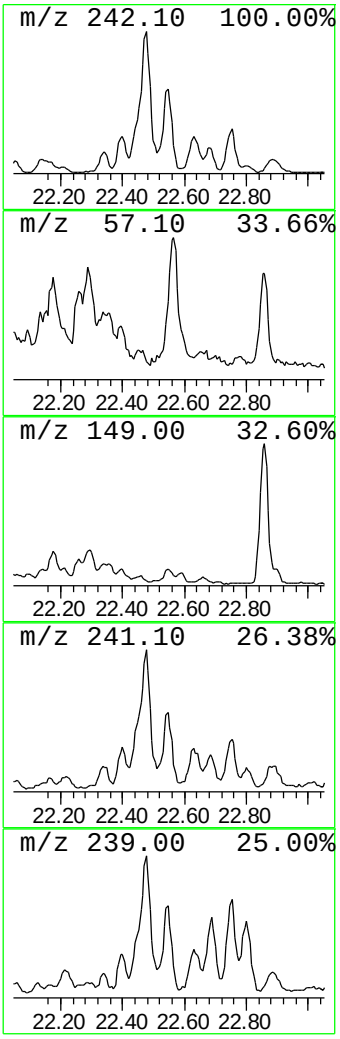
Peak Number 20 Triphenylene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.55	2.75 ng/ul	425745	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	92
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	86
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	83
4	2-Methylchrysene	242	C19H14	003351-32-4	83
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	83





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Data File : BG041936.D
Acq On : 4 Aug 2019 10:34
Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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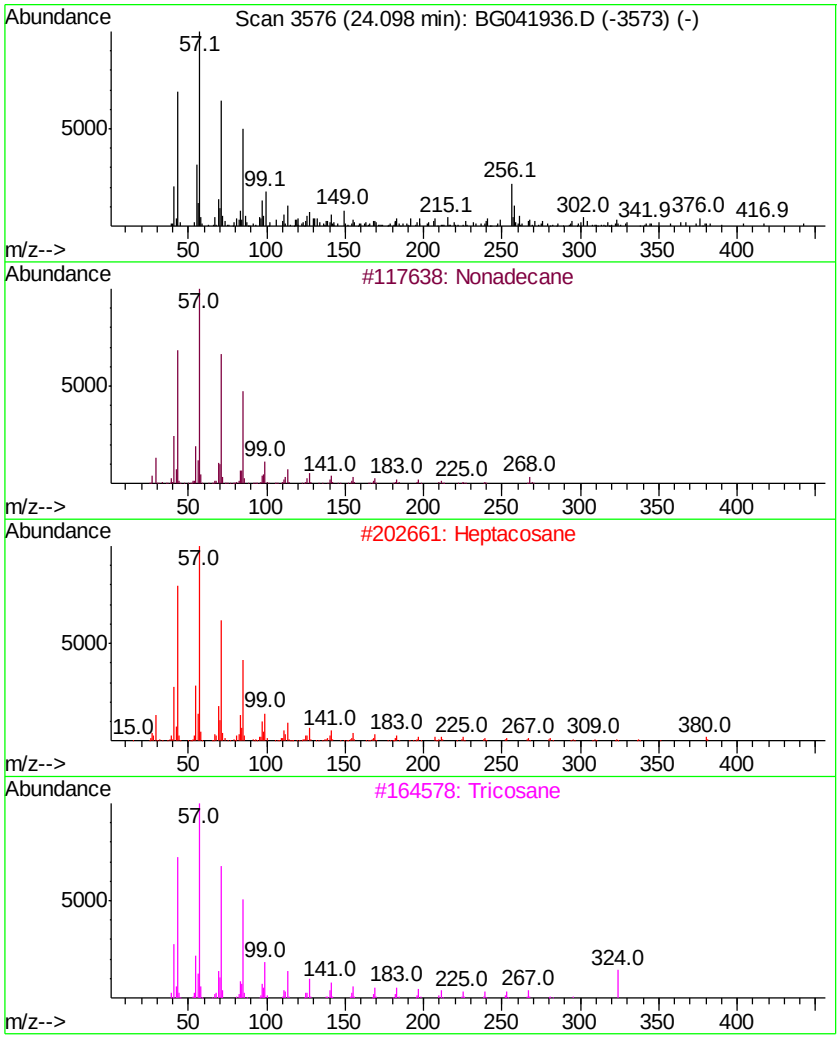
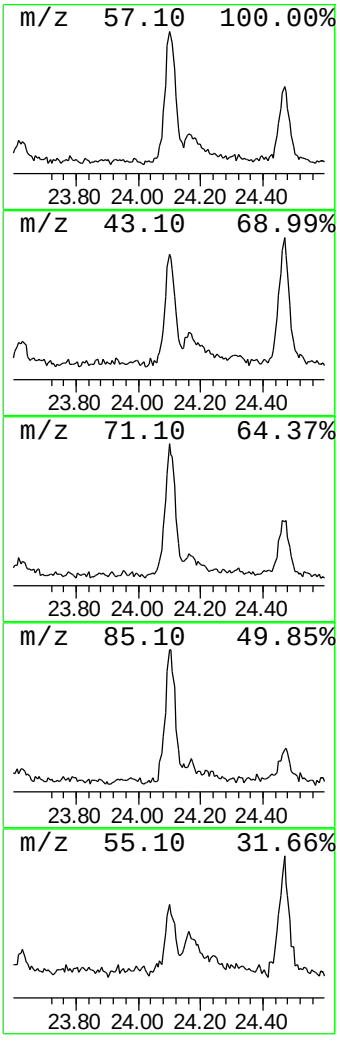
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.10	2.04 ng/ul	157570	Perylene-d12	25.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Heptacosane	380	C27H56	000593-49-7	87
3	Tricosane	324	C23H48	000638-67-5	60
4	1-Iodoundecane	282	C11H23I	004282-44-4	60
5	Heptadecane	240	C17H36	000629-78-7	60





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Data File : BG041936.D
Acq On : 4 Aug 2019 10:34
Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

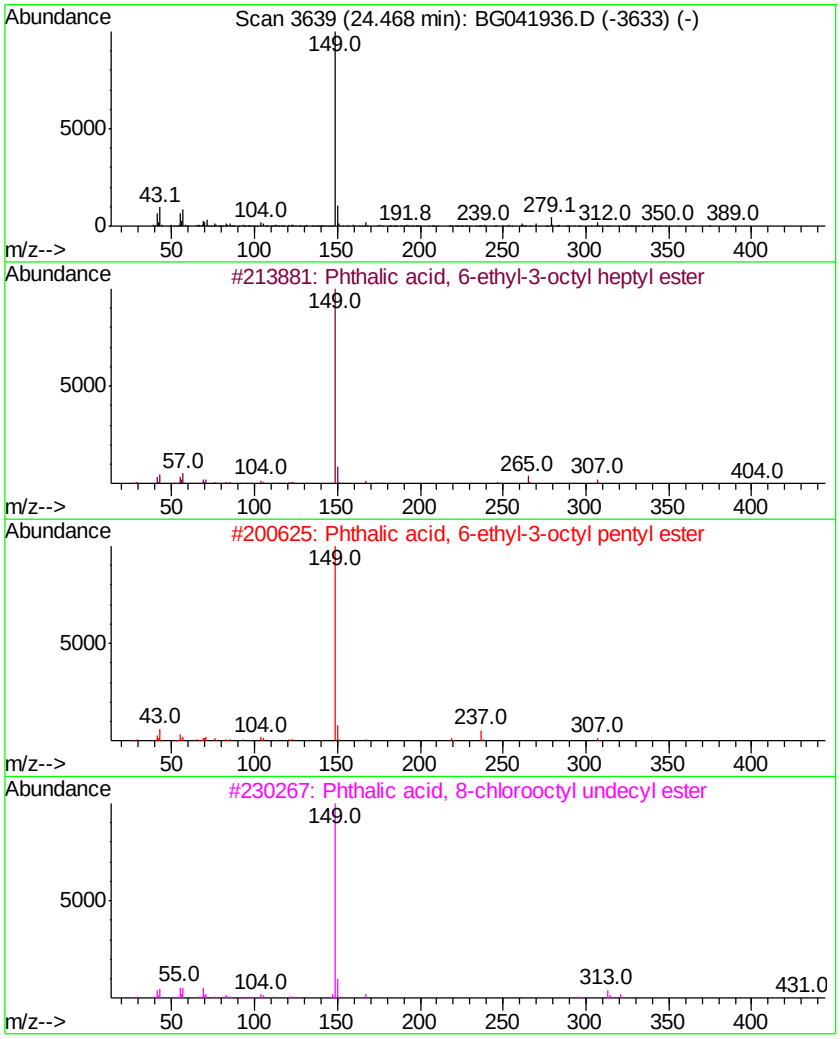
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

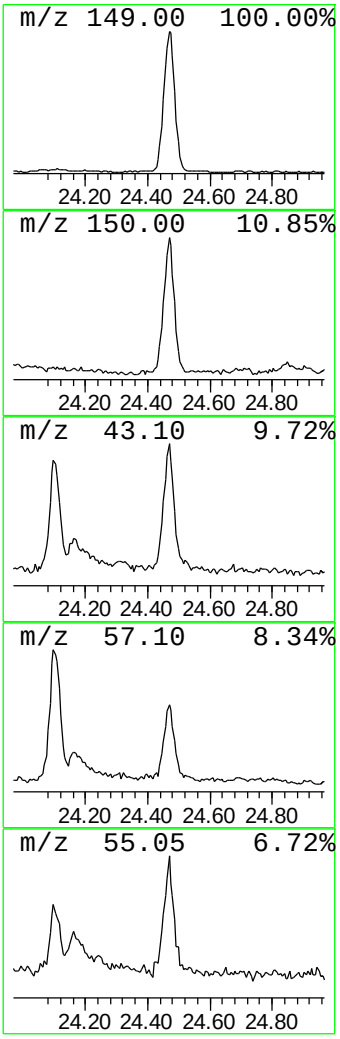
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Phthalic acid, 6-ethyl-3-oc... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.47	7.53 ng/ul	579917	Perylene-d12	25.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 6-ethyl-3-octyl h...	404	C25H40O4	1000315-17-7	80
2	Phthalic acid, 6-ethyl-3-octyl p...	376	C23H36O4	1000315-17-5	80
3	Phthalic acid, 8-chlorooctyl und...	466	C27H43ClO4	1000356-86-6	64
4	Phthalic acid, dodecyl hept-4-yl...	432	C27H44O4	1000356-79-3	64
5	Phthalic acid, butyl dec-2-yl ester	362	C22H34O4	1000356-93-9	64





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Data File : BG041936.D
Acq On : 4 Aug 2019 10:34
Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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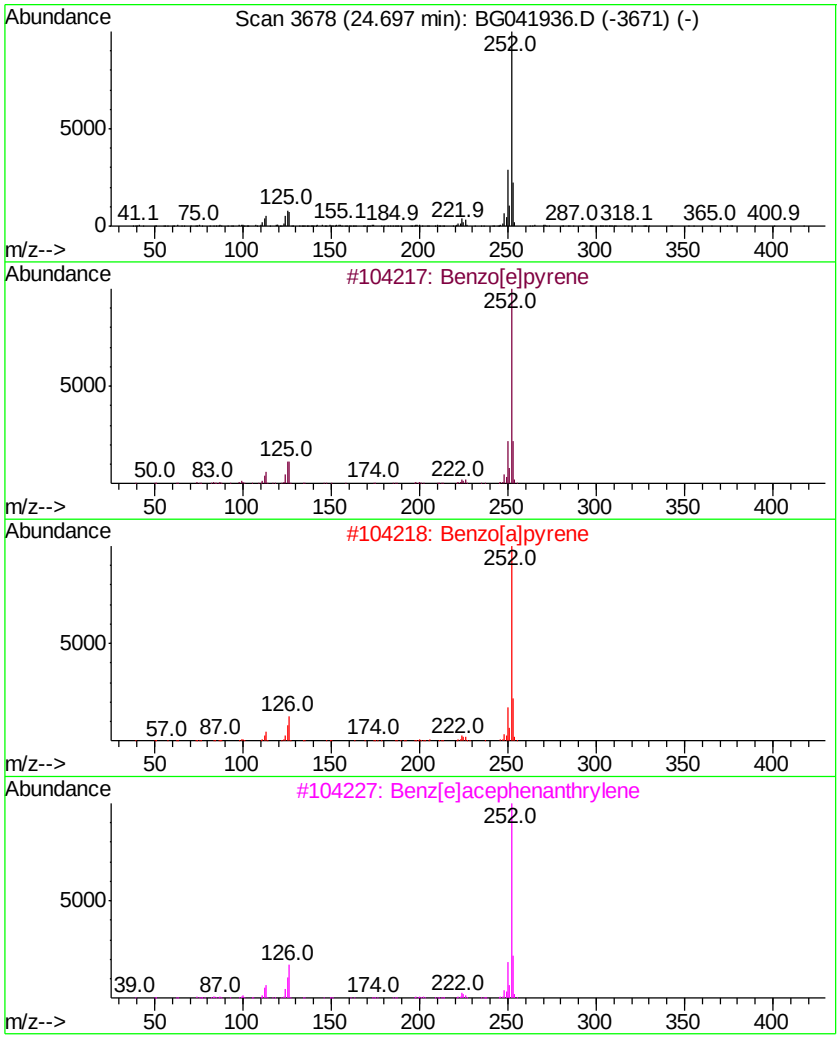
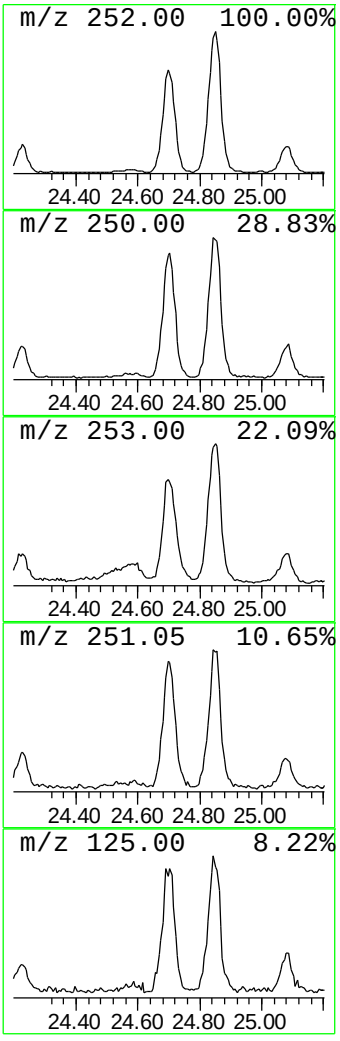
Peak Number 23 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.70	9.14 ng/ul	703972	Perylene-d12	25.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
Data File : BG041936.D
Acq On : 4 Aug 2019 10:34
Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP4DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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
Butane, 2-methoxy...	3.16	23.4	ng/ul	584012	1	8.03	498495	20.0
Dibenzothiophene,...	18.03	3.4	ng/ul	228586	4	17.45	1344770	20.0
Anthracene, 9-met...	18.33	7.9	ng/ul	530736	4	17.45	1344770	20.0
4H-Cyclopenta[def...	18.52	11.8	ng/ul	795913	4	17.45	1344770	20.0
Phenanthrene, 1-m...	18.55	5.4	ng/ul	364939	4	17.45	1344770	20.0
Naphthalene, 2-ph...	18.82	4.0	ng/ul	268550	4	17.45	1344770	20.0
9,10-Anthracenedione	18.86	3.9	ng/ul	263490	4	17.45	1344770	20.0
Phenanthrene, 2,3...	19.06	3.0	ng/ul	198700	4	17.45	1344770	20.0
Phenanthrene, 3,6...	19.12	2.0	ng/ul	136763	4	17.45	1344770	20.0
Phenanthrene, 2,5...	19.24	7.1	ng/ul	479646	4	17.45	1344770	20.0
unknown-01	19.30	4.0	ng/ul	266225	4	17.45	1344770	20.0
9,10-Dimethylanth...	19.37	4.3	ng/ul	288028	4	17.45	1344770	20.0
Pyrene, 1-methyl-	20.19	3.4	ng/ul	525089	5	21.73	3098230	20.0
11H-Benzo[b]fluorene	20.35	3.0	ng/ul	463795	5	21.73	3098230	20.0
9-Octadecenoic ac...	20.64	5.3	ng/ul	821372	5	21.73	3098230	20.0
unknown-02	21.10	6.7	ng/ul	1031960	5	21.73	3098230	20.0
Benzo[b]naphtho[2...	21.31	2.8	ng/ul	438570	5	21.73	3098230	20.0
Benz[a]anthracene...	22.48	2.1	ng/ul	323522	5	21.73	3098230	20.0
Triphenylene, 2-m...	22.55	2.8	ng/ul	425745	5	21.73	3098230	20.0
(DEL) Alkane: Str...	24.10	2.0	ng/ul	157570	6	25.00	1541150	20.0
Phthalic acid, 6-...	24.47	7.5	ng/ul	579917	6	25.00	1541150	20.0
Benzo[e]pyrene	24.70	9.1	ng/ul	703972	6	25.00	1541150	20.0