LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041905.D
Acq On : 3 Aug 2019 12:05
Operator : HP/JU
Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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	3.155	7	11	34	rVB	1624386	2676905	28.96%	2.119%
2	7.179	690	696	708	rBV	209257	392656	4.25%	0.311%
3	7.350	719	725	734	rBV	172529	295314	3.19%	0.234%
4	7.561	754	761	769	rBV	240159	422876	4.57%	0.335%
5	8.037	834	842	849	rBV	356869	630710	6.82%	0.499%
6	8.736	955	961	972	rBV2	234338	422421	4.57%	0.334%
7	9.200	1033	1040	1051	rVV2	232058	419682	4.54%	0.332%
8	9.929	1157	1164	1172	rBV	210904	374357	4.05%	0.296%
9	10.475	1249	1257	1268	rBV	308310	583321	6.31%	0.462%
10	10.857	1314	1322	1328	rBV	516501	945710	10.23%	0.749%
11	10.910	1328	1331	1338	rVV	138737	223871	2.42%	0.177%
12	10.992	1338	1345	1357	rVB	89981	196423	2.12%	0.155%
13	12.520	1596	1605	1615	rVB	240701	390852	4.23%	0.309%
14	12.737	1634	1642	1652	rVV	198999	340779	3.69%	0.270%
15	13.724	1804	1810	1821	rVB	100749	206873	2.24%	0.164%
16	14.012	1853	1859	1865	rBV	203128	376298	4.07%	0.298%
17	14.095	1865	1873	1877	rVV	587243	1026310	11.10%	0.812%
18	14.142	1877	1881	1887	rVB	187304	266114	2.88%	0.211%
19	14.253	1892	1900	1903	rBV	111284	189301	2.05%	0.150%
20	14.388	1916	1923	1939	rVB	710216	1234568	13.35%	0.977%
21	14.694	1964	1975	1981	rBV2	814934	1432405	15.49%	1.134%
22	14.759	1981	1986	1993	rVV	721220	1143039	12.36%	0.905%
23	14.876	2001	2006	2020	rBV2	128134	444769	4.81%	0.352%
24	15.005	2020	2028	2036	rBV2	101168	234605	2.54%	0.186%
25	15.093	2036	2043	2049	rVB	362531	612507	6.63%	0.485%
26	15.687	2135	2144	2149	rVV	879881	1429527	15.46%	1.132%
27	15.746	2149	2154	2160	rVV	575255	938761	10.15%	0.743%
28	15.804	2160	2164	2167	rVV2	161179	269070	2.91%	0.213%
29	15.869	2172	2175	2178	rVV	189752	271372	2.94%	0.215%
30	15.910	2178	2182	2186	rVV2	186052	313708	3.39%	0.248%
31	15.957	2186	2190	2193	rVV2	119198	192981	2.09%	0.153%
32	15.992	2193	2196	2200	rVV3	111425	212133	2.29%	0.168%
33	16.039	2200	2204	2212	rVB2	144856	306147	3.31%	0.242%
34	16.186	2224	2229	2237	rVV	111495	259636	2.81%	0.206%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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	16.415	2259	2268	2275	rVB6	137061	311761	3.37%	0.247%
36	16.750	2322	2325	2329	rVV2	165750	247646	2.68%	0.196%
37	16.797	2329	2333	2339	rVB3	126718	213565	2.31%	0.169%
38	17.097	2379	2384	2391	rVB	227583	369332	4.00%	0.292%
39	17.262	2407	2412	2422	rBV	334352	520672	5.63%	0.412%
40	17.450	2438	2444	2447	rBV2	872853	1444595	15.63%	1.144%
41	17.497	2447	2452	2457	rVV	4108228	6638918	71.81%	5.256%
42	17.549	2457	2461	2463	rVV2	905258	1327632	14.36%	1.051%
43	17.585	2463	2467	2472	rVB	1163091	1704867	18.44%	1.350%
44	17.638	2472	2476	2481	rBV3	105180	193846	2.10%	0.153%
45	17.843	2506	2511	2517	rBV	218262	381252	4.12%	0.302%
46	18.031	2538	2543	2549	rVV	379832	535170	5.79%	0.424%
47	18.178	2563	2568	2574	rVB	168980	307476	3.33%	0.243%
48	18.331	2588	2594	2598	rVV	1172725	2243839	24.27%	1.776%
49	18.378	2598	2602	2608	rVB	1376542	2048858	22.16%	1.622%
50	18.454	2610	2615	2620	rBV	464174	753808	8.15%	0.597%
51	18.519	2620	2626	2630	rBV2	1458053	2830088	30.61%	2.240%
52	18.560	2630	2633	2639	rVB	868330	1197980	12.96%	0.948%
53	18.724	2657	2661	2665	rBV2	164511	233395	2.52%	0.185%
54	18.818	2673	2677	2681	rBV	611696	869097	9.40%	0.688%
55	18.866	2681	2685	2694	rVB2	577768	991026	10.72%	0.785%
56	18.948	2695	2699	2704	rBV	203219	318505	3.45%	0.252%
57	19.042	2711	2715	2716	rBV3	146341	186692	2.02%	0.148%
58	19.065	2716	2719	2724	rVV	434226	677760	7.33%	0.537%
59	19.118	2725	2728	2731	rVV	323400	445688	4.82%	0.353%
60	19.153	2731	2734	2738	rVB2	284592	388543	4.20%	0.308%
61	19.242	2743	2749	2754	rBV	941123	1653147	17.88%	1.309%
62	19.300	2754	2759	2763	rBV4	328866	573719	6.21%	0.454%
63	19.383	2768	2773	2780	rBV2	587801	1223639	13.24%	0.969%
64	19.506	2788	2794	2800	rVV	4826254	7759584	83.94%	6.143%
65	19.565	2801	2804	2807	rVV2	190689	266580	2.88%	0.211%
66	19.606	2807	2811	2821	rVB3	400167	674748	7.30%	0.534%
67	19.747	2831	2835	2838	rBV	361351	478119	5.17%	0.379%
68	19.841	2845	2851	2852	rBV2	2277419	3049715	32.99%	2.414%
69	19.870	2852	2856	2863	rVV	5198708	9244584	100.00%	7.318%
70	19.935	2863	2867	2873	rVB3	459780	808540	8.75%	0.640%
71	20.035	2881	2884	2891	rBV2	217880	363311	3.93%	0.288%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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	20.099	2891	2895	2900	rVB3	294495	497319	5.38%	0.394%
73	20.187	2904	2910	2917	rBV3	737956	1907376	20.63%	1.510%
74	20.328	2928	2934	2935	rBV3	513544	872535	9.44%	0.691%
75	20.358	2935	2939	2944	rVB	1157418	1796820	19.44%	1.422%
76	20.458	2952	2956	2960	rVB	842892	1105196	11.96%	0.875%
77	20.517	2961	2966	2969	rVV	1165081	1626224	17.59%	1.287%
78	20.552	2969	2972	2976	rVB	344735	455992	4.93%	0.361%
79	20.652	2985	2989	2993	rBV	871554	1208732	13.08%	0.957%
80	20.699	2993	2997	3001	rVB	812067	1100833	11.91%	0.871%
81	21.122	3065	3069	3076	rVB	656452	1162357	12.57%	0.920%
82	21.310	3093	3101	3105	rBV3	865385	1869618	20.22%	1.480%
83	21.351	3105	3108	3112	rVV	740727	1191598	12.89%	0.943%
84	21.398	3113	3116	3121	rVV2	623906	1199821	12.98%	0.950%
85	21.462	3122	3127	3135	rVB2	553287	1176264	12.72%	0.931%
86	21.721	3165	3171	3178	rBV3	3362598	7973244	86.25%	6.312%
87	21.786	3178	3182	3195	rVB	3251803	6040999	65.35%	4.782%
88	21.891	3197	3200	3203	rVB2	228838	294307	3.18%	0.233%
89	21.938	3204	3208	3214	rBV	713886	1166219	12.62%	0.923%
90	22.144	3239	3243	3250	rBV2	286591	610839	6.61%	0.484%
91	22.403	3284	3287	3291	rBV	217155	282190	3.05%	0.223%
92	22.479	3296	3300	3307	rVV	875329	1645183	17.80%	1.302%
93	22.555	3309	3313	3320	rVB2	736230	1451487	15.70%	1.149%
94	22.755	3343	3347	3351	rBV2	361464	626633	6.78%	0.496%
95	22.902	3367	3372	3379	rVB4	323943	755191	8.17%	0.598%
96	23.989	3547	3557	3564	rBV2	1688896	6016011	65.08%	4.763%
97	24.106	3573	3577	3582	rVB	367145	642278	6.95%	0.508%
98	24.723	3674	3682	3689	rBV	1004630	2667043	28.85%	2.111%
99	24.876	3700	3708	3720	rVB	1669040	4911160	53.12%	3.888%
100	25.023	3727	3733	3738	rBV3	384237	910925	9.85%	0.721%

Sum of corrected areas: 126318092

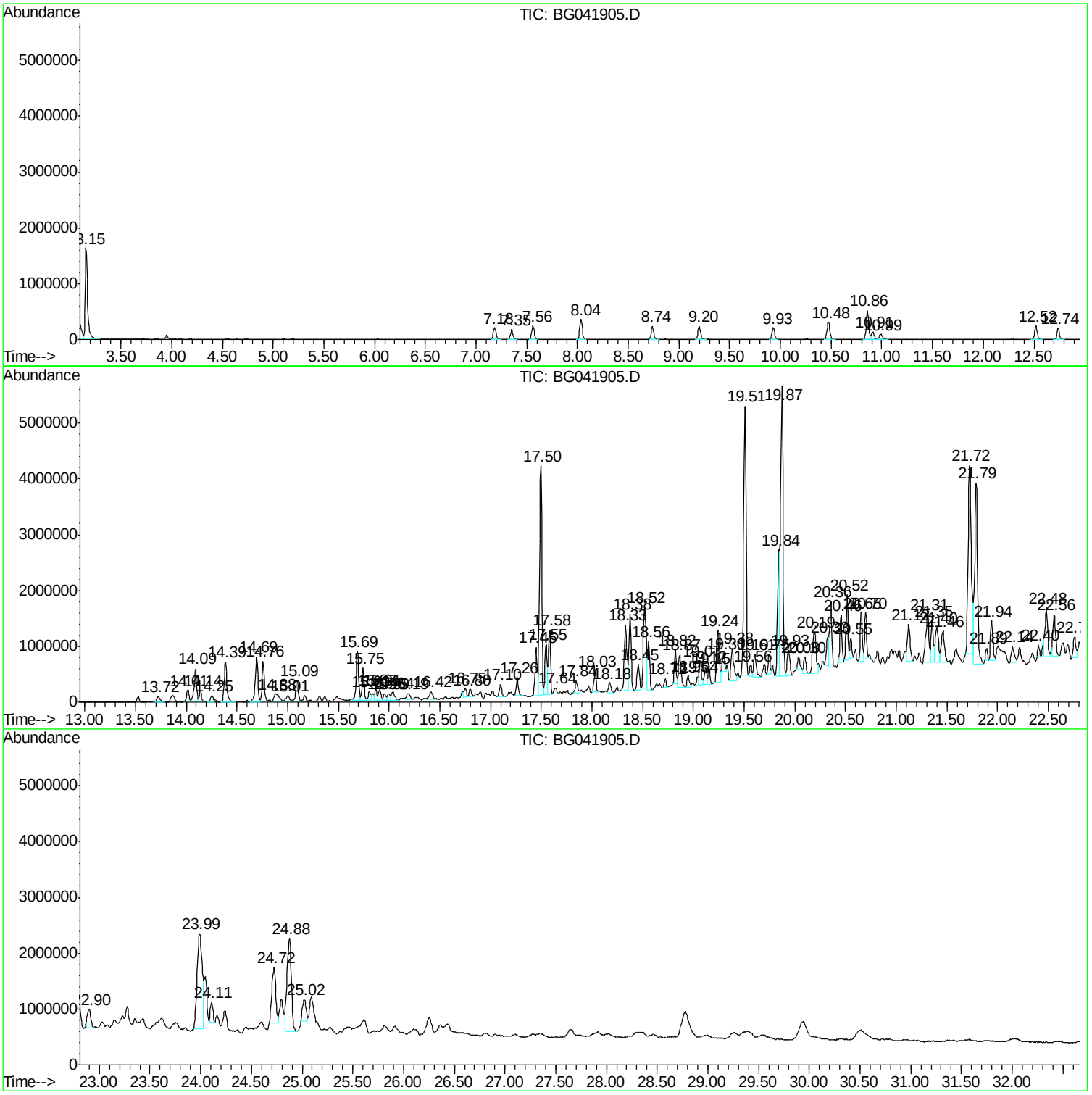
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041905.D
Acq On : 3 Aug 2019 12:05
Operator : HP/JU
Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041905.D
Acq On : 3 Aug 2019 12:05
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Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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

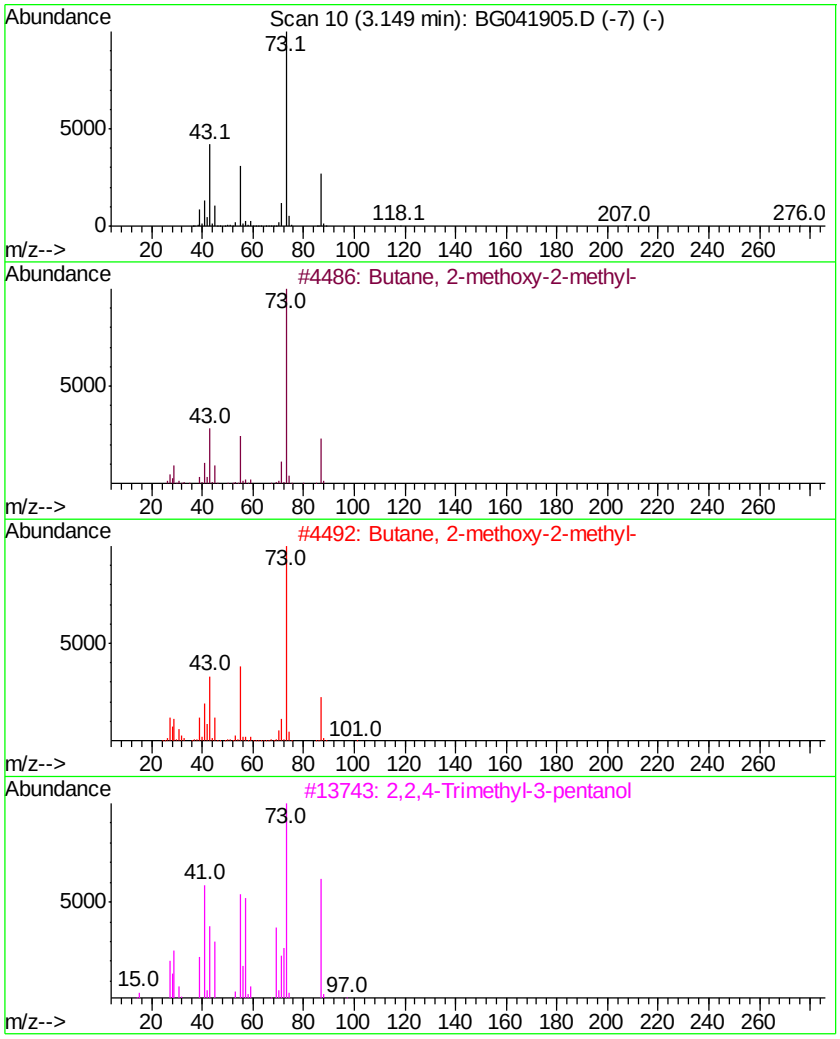
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

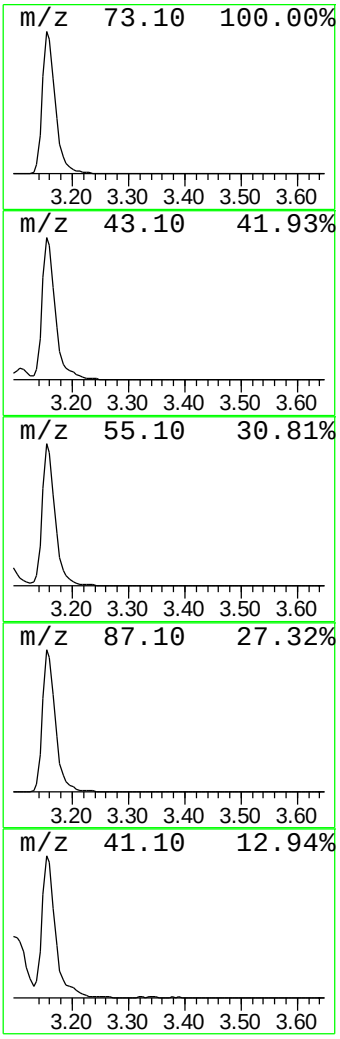
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	84.89 ng/ul	2676910	1,4-Dichlorobenzene-d4	8.04

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	72
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	35
5	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	33





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041905.D
Acq On : 3 Aug 2019 12:05
Operator : HP/JU
Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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

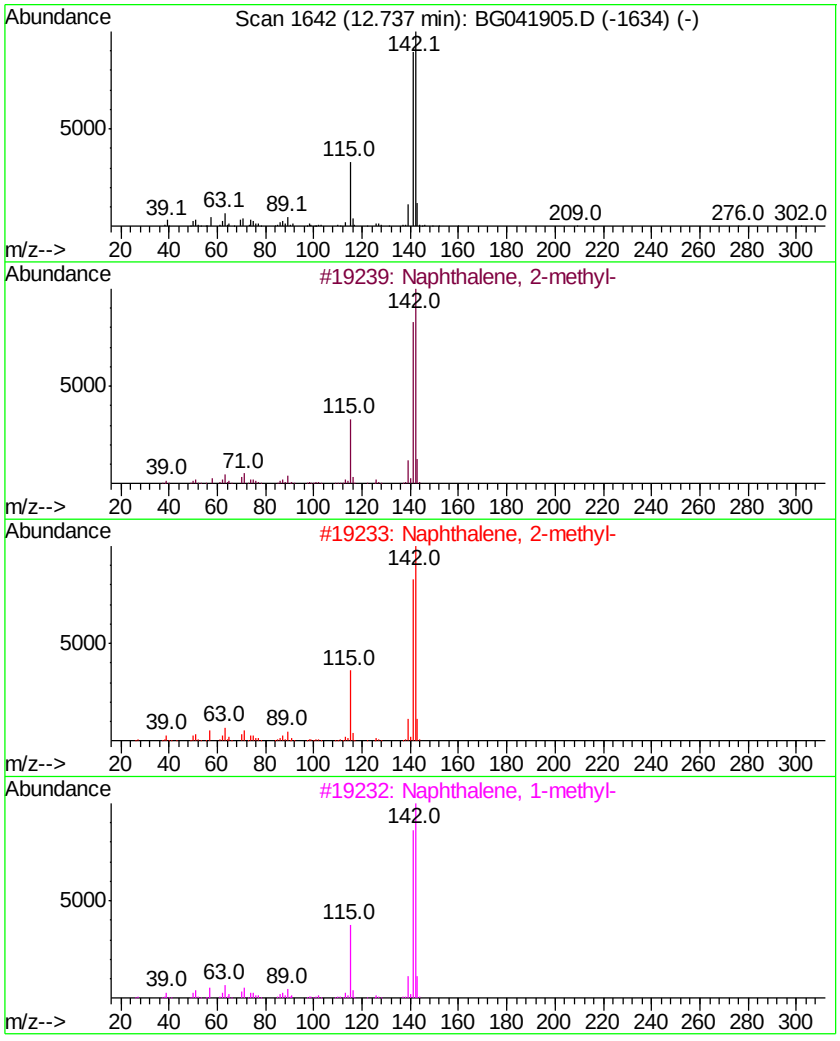
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

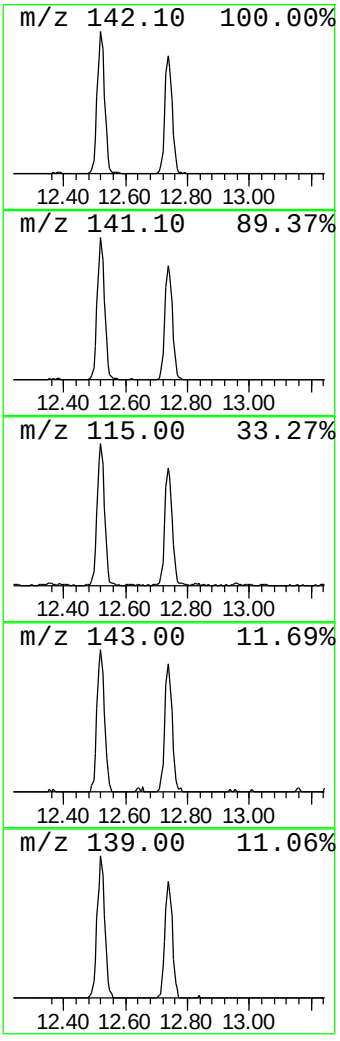
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	7.21 ng/ul	340779	Naphthalene-d8	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
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Acq On : 3 Aug 2019 12:05
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Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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

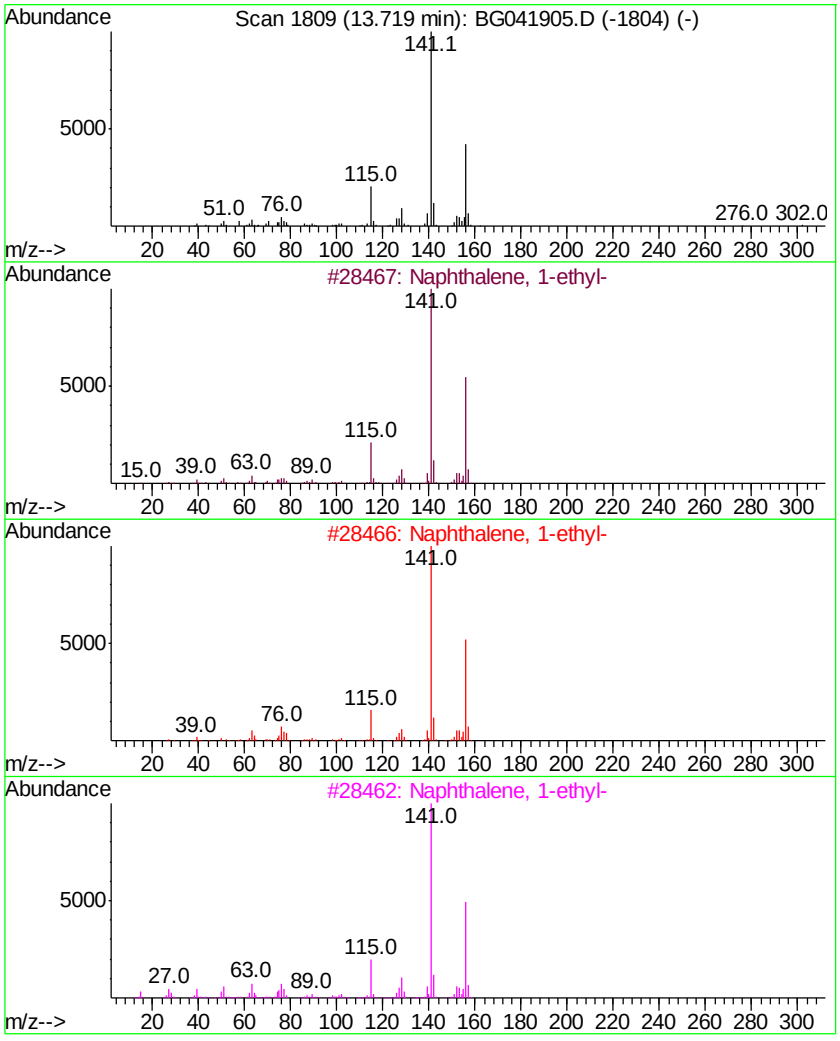
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

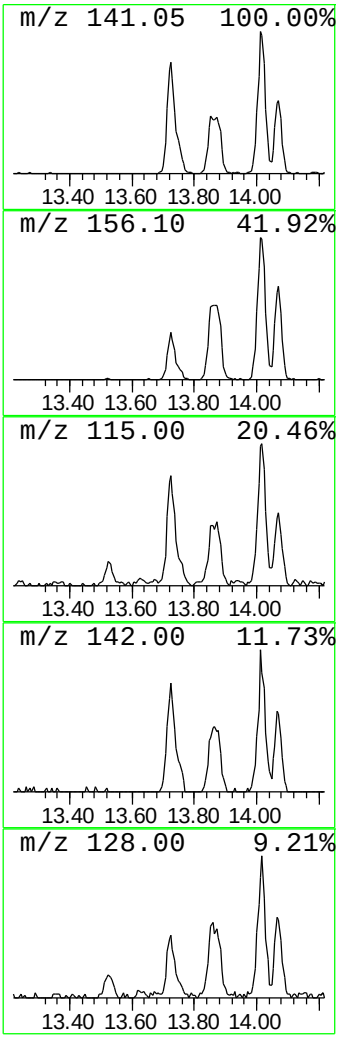
****

Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	2.89 ng/ul	206873	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041905.D
Acq On : 3 Aug 2019 12:05
Operator : HP/JU
Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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

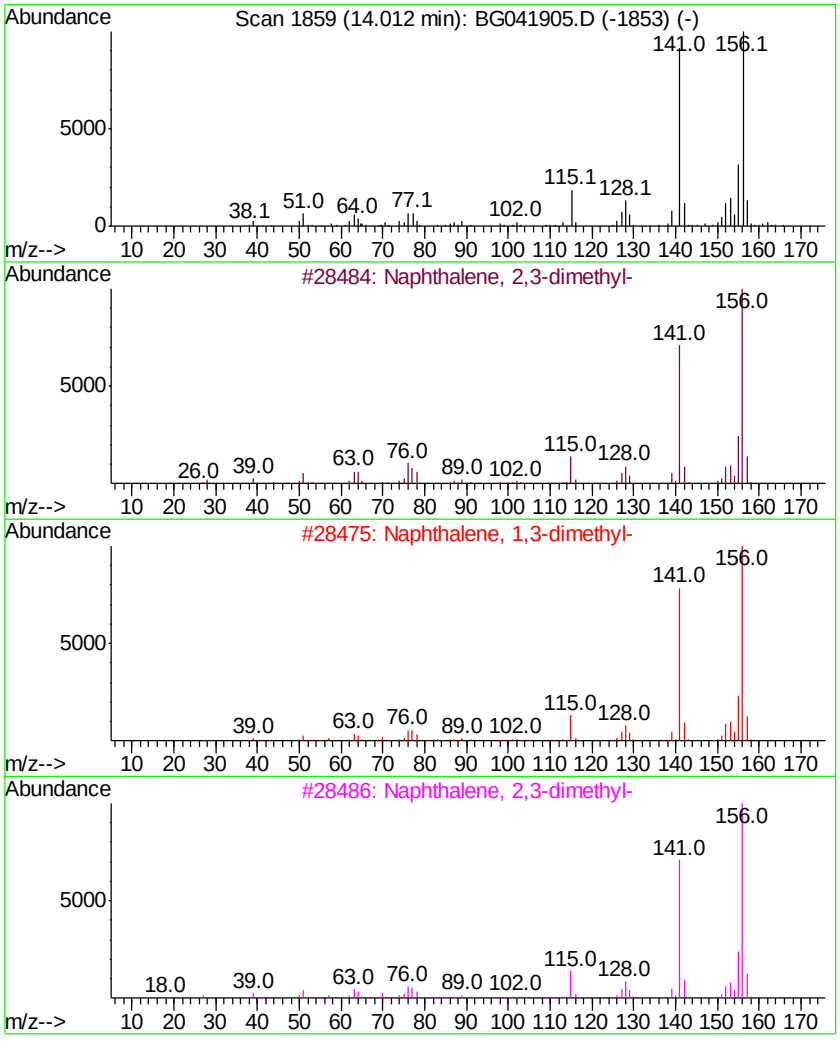
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

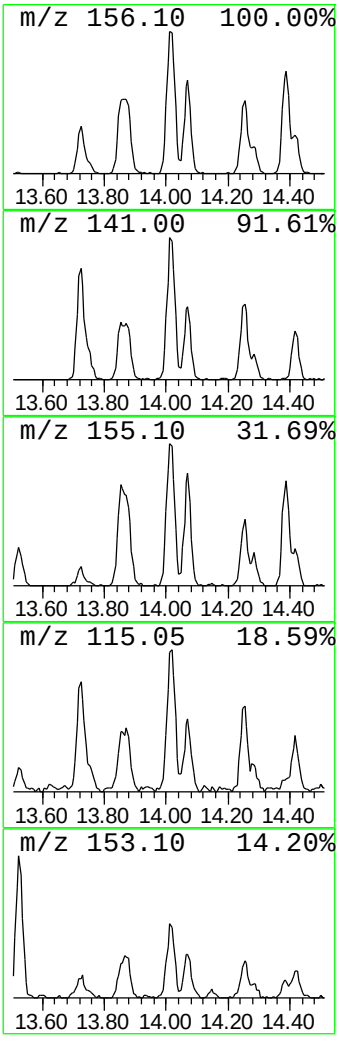
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	5.25 ng/ul	376298	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041905.D
Acq On : 3 Aug 2019 12:05
Operator : HP/JU
Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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

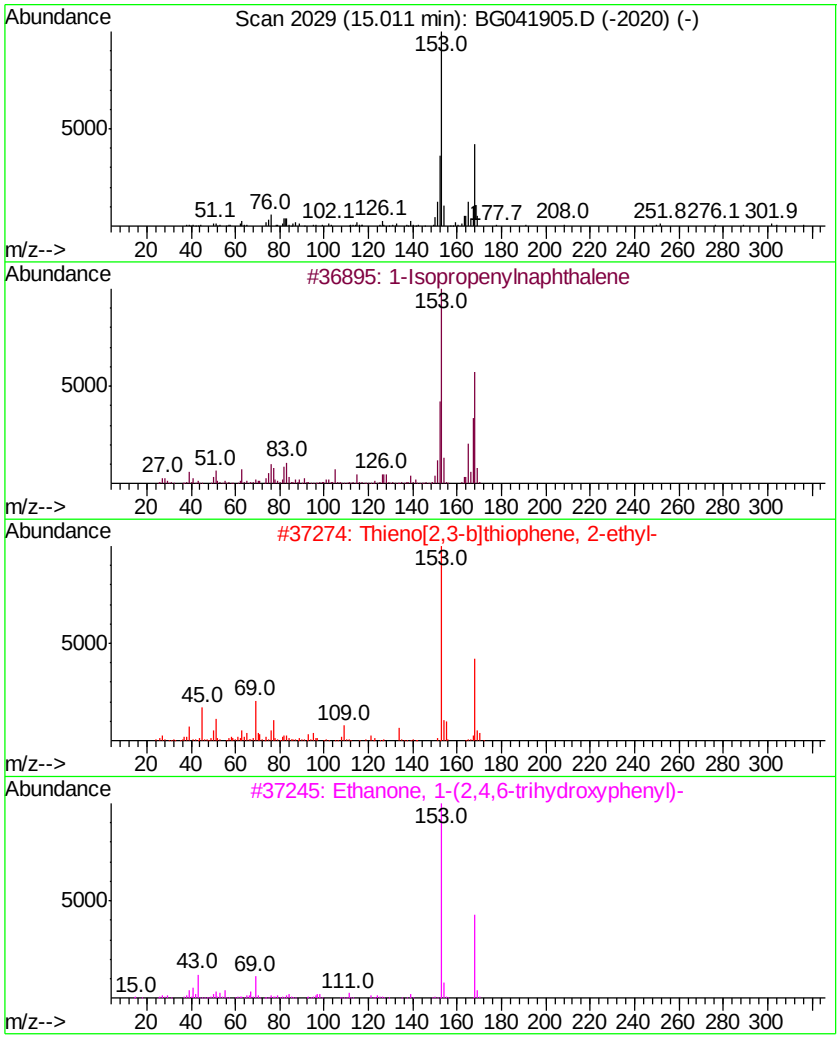
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

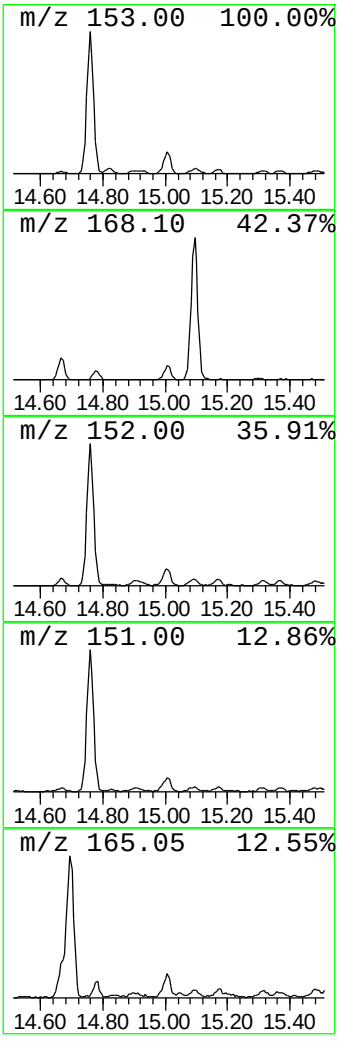
****

Peak Number 6 1-Isopropenylnaphthalene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	3.28 ng/ul	234605	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	59
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	53
4	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	53
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50





Library Search Compound Report

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Acq On : 3 Aug 2019 12:05
Operator : HP/JU
Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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Quant Title : SVOA CALIBRATION

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

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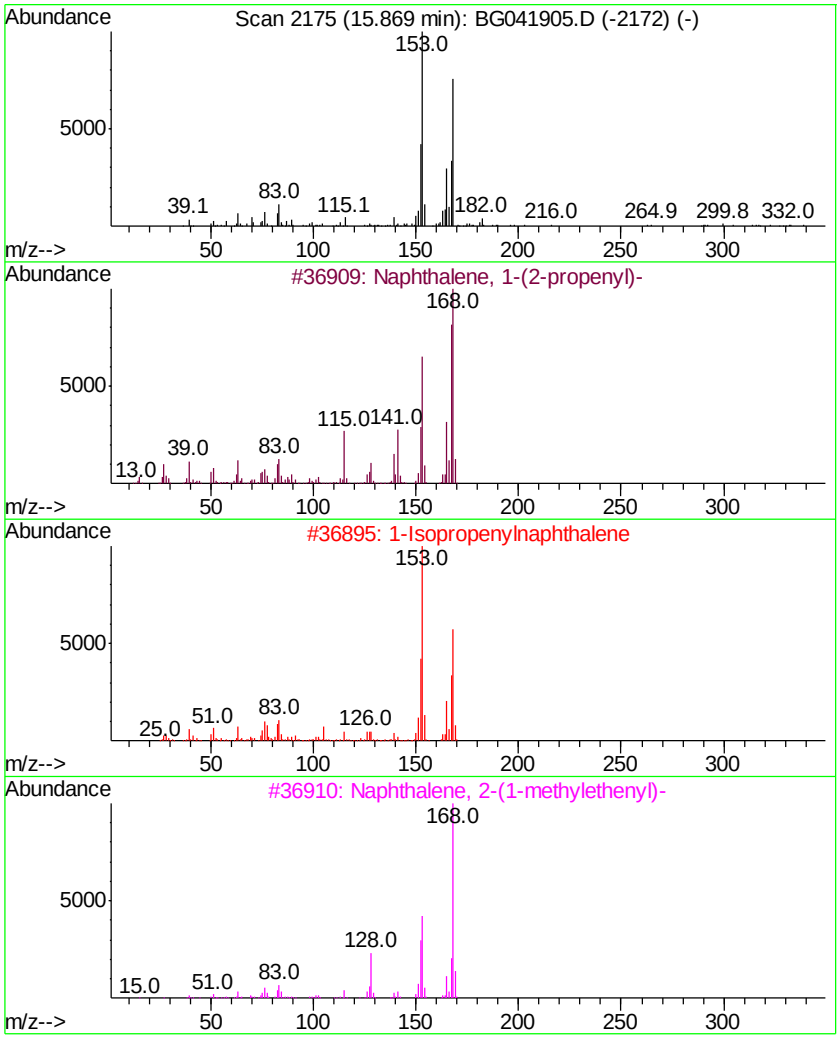
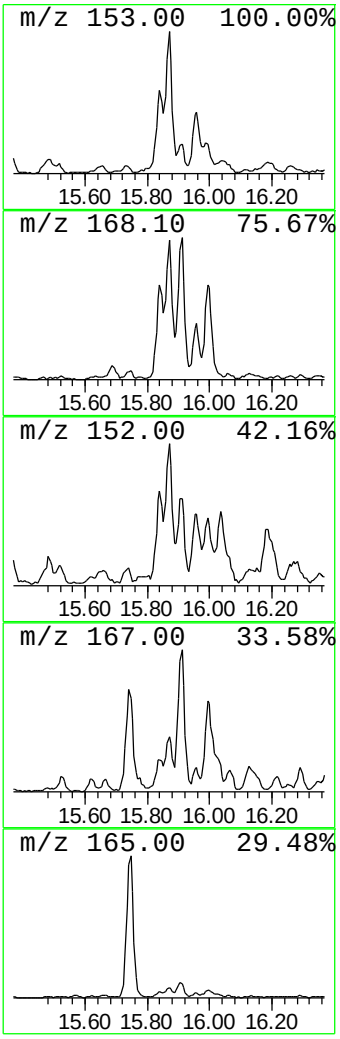
Peak Number 7 Naphthalene, 1-(2-propenyl)- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	3.79 ng/ul	271372	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	59
3	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	52
5	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	38





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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Quant Title : SVOA CALIBRATION

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

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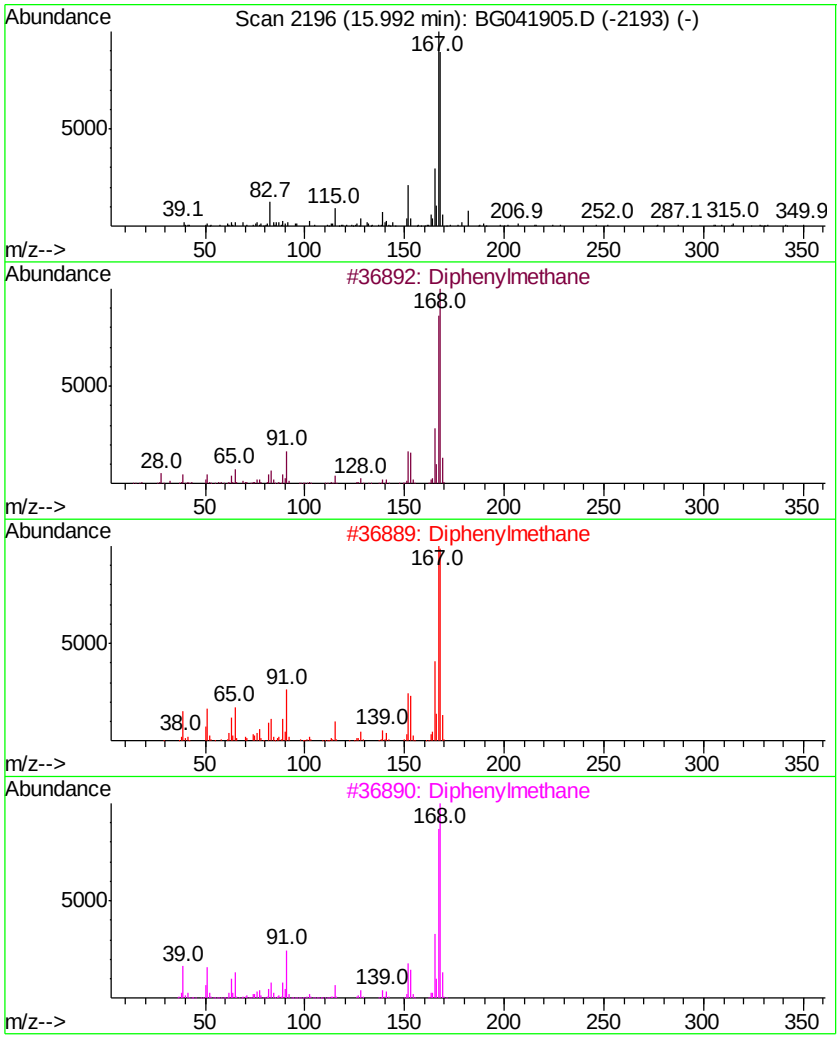
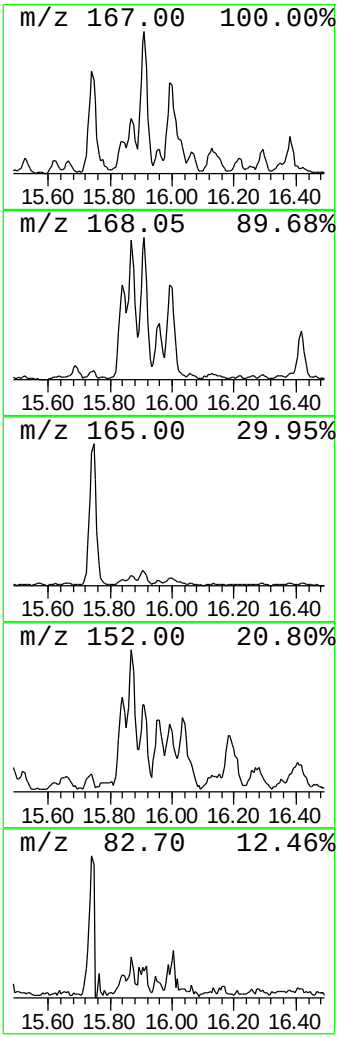
Peak Number 10 Diphenylmethane Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	2.96 ng/ul	212133	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	80
2	Diphenylmethane	168	C13H12	000101-81-5	74
3	Diphenylmethane	168	C13H12	000101-81-5	72
4	4-n-Heptylbiphenyl	252	C19H24	059662-32-7	64
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	64





Library Search Compound Report

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Operator : HP/JU
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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Quant Title : SVOA CALIBRATION

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

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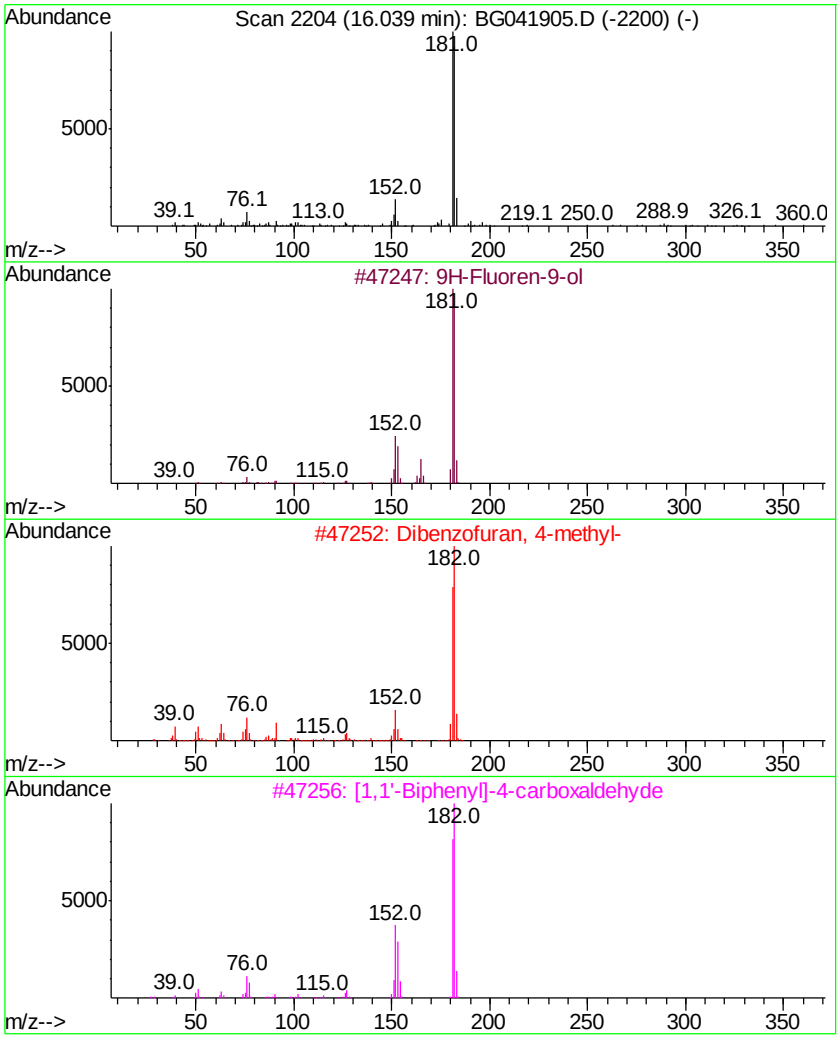
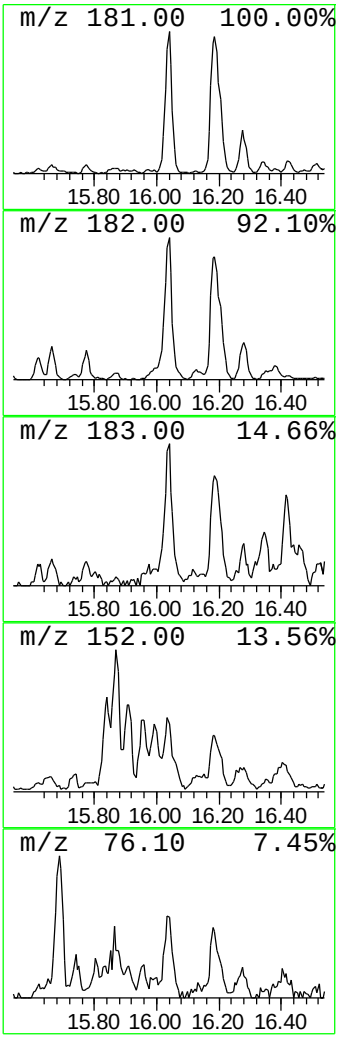
Peak Number 11 9H-Fluoren-9-ol Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	4.27 ng/ul	306147	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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Quant Title : SVOA CALIBRATION

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

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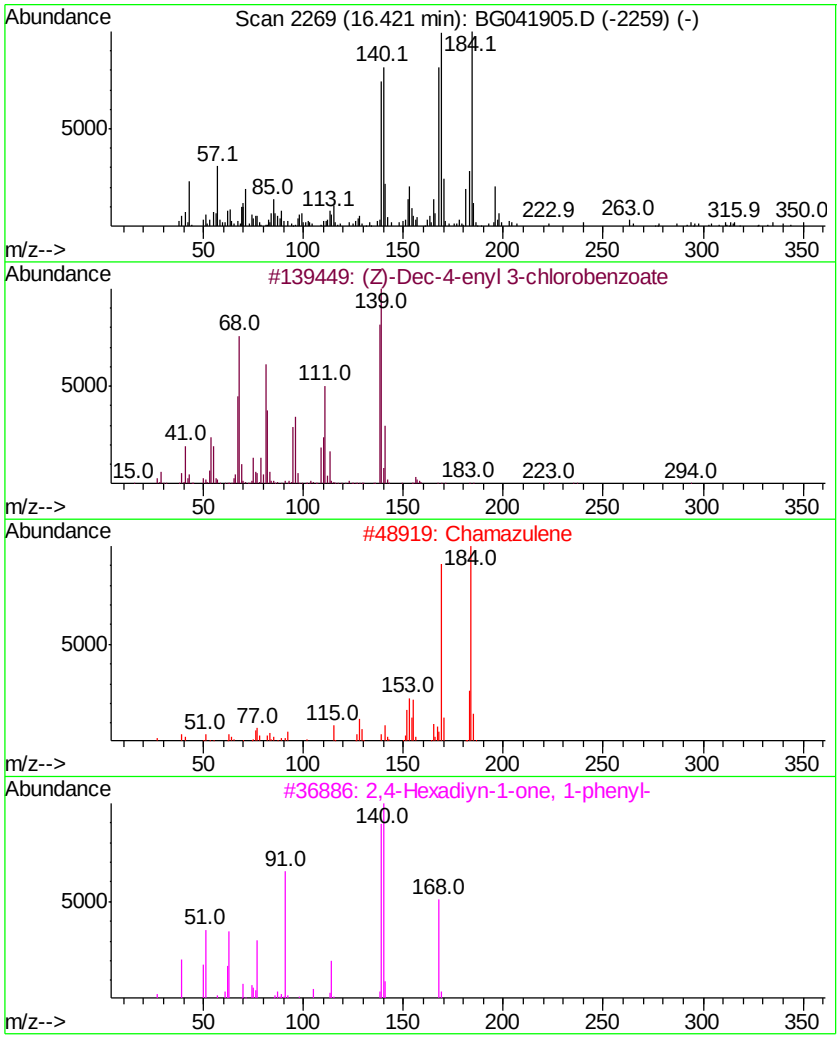
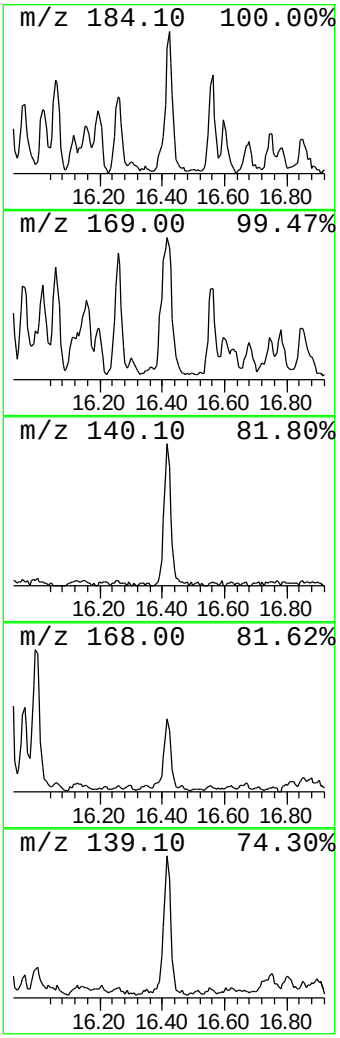
Peak Number 13 (Z)-Dec-4-enyl 3-chlorobenz... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	4.32 ng/ul	311761	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-Dec-4-enyl 3-chlorobenzoate	294	C17H23ClO2	1000373-56-7	53
2	Chamazulene	184	C14H16	000529-05-5	46
3	2,4-Hexadiyn-1-one, 1-phenyl-	168	C12H8O	000495-74-9	38
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	38
5	1,2-Dihydro-5-acenaphthylenamine	169	C12H11N	004657-93-6	38





Library Search Compound Report

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Acq On : 3 Aug 2019 12:05
Operator : HP/JU
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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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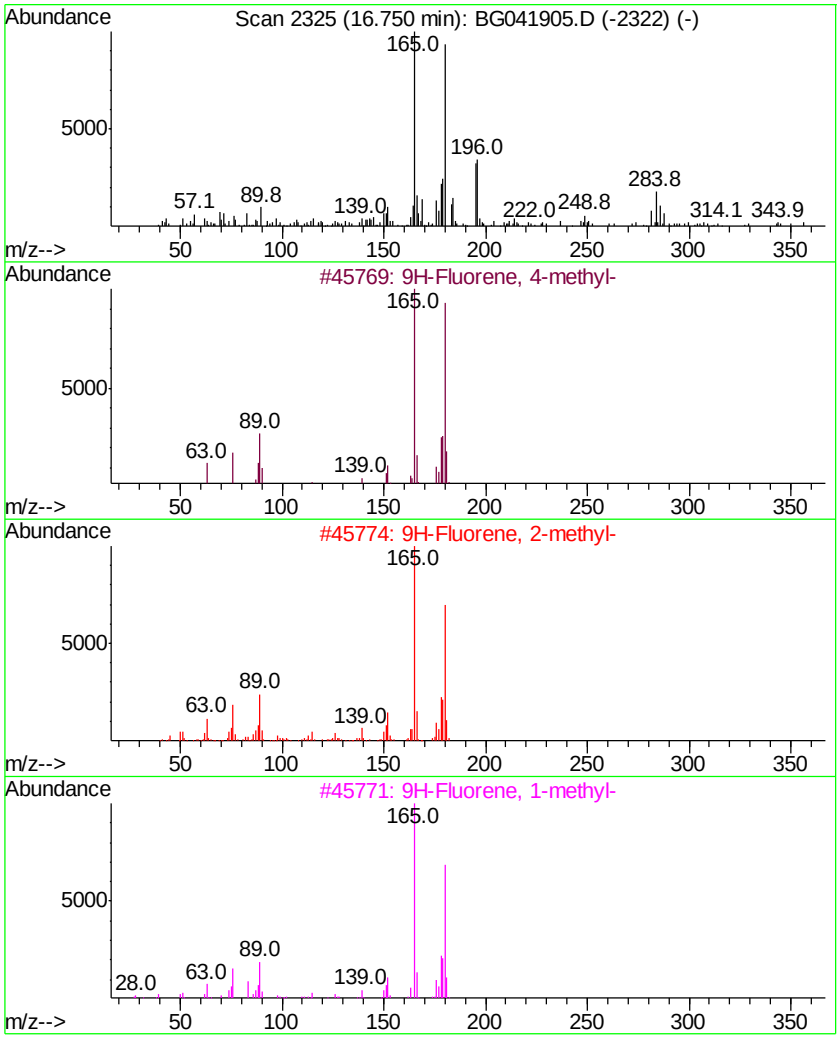
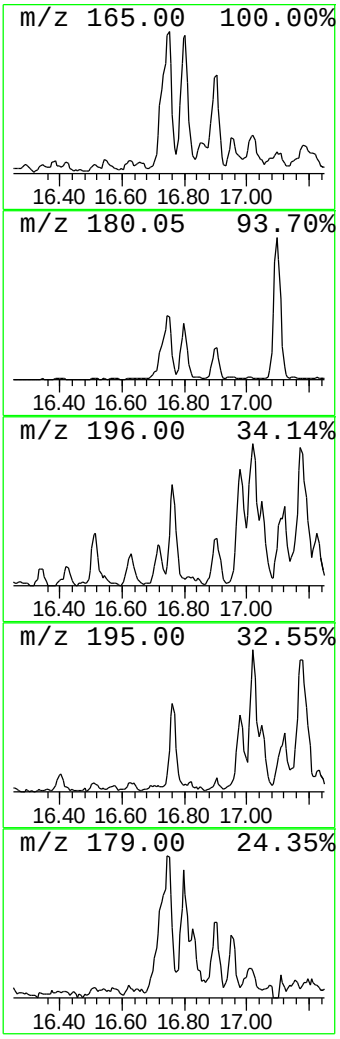
Peak Number 14 9H-Fluorene, 4-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	3.43 ng/ul	247646	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	83
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	83
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64





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Acq On : 3 Aug 2019 12:05
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Instrument : BNA_G
ClientSampleId : BENP0

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Quant Title : SVOA CALIBRATION

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

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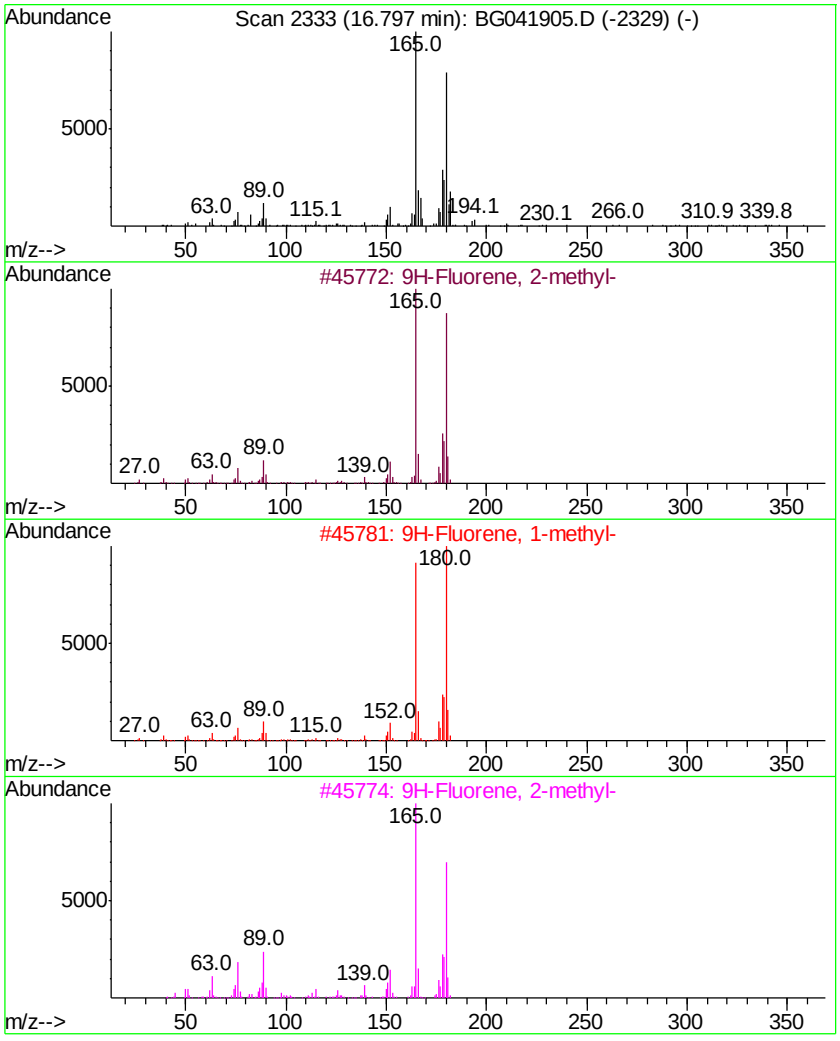
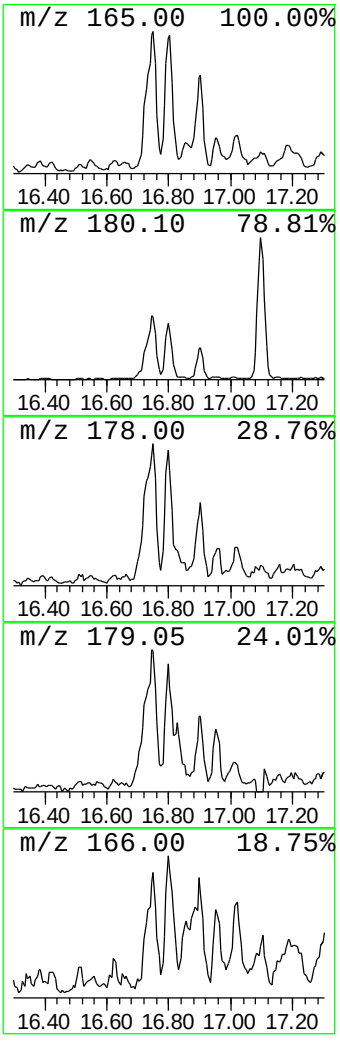
Peak Number 15 9H-Fluorene, 2-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	2.96 ng/ul	213565	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90





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Operator : HP/JU
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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Quant Title : SVOA CALIBRATION

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

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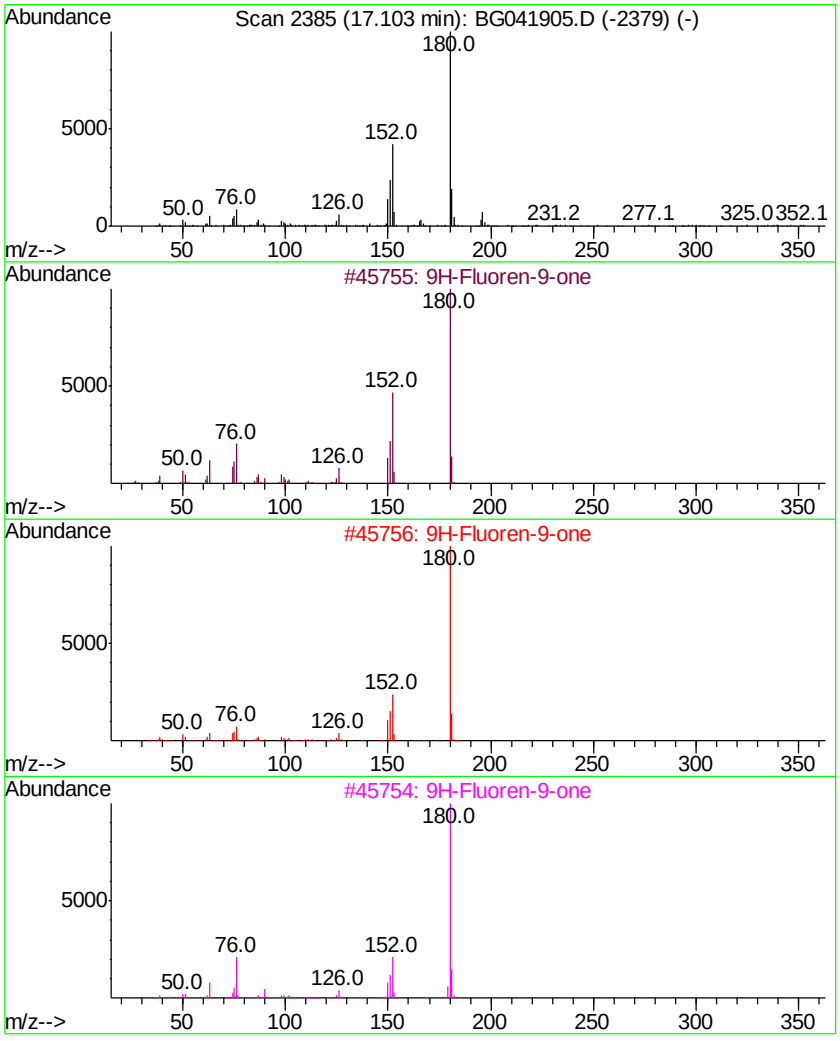
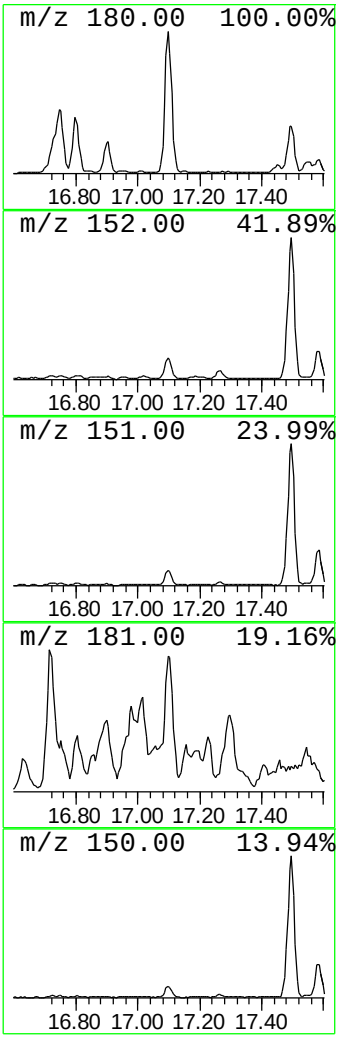
Peak Number 16 9H-Fluoren-9-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	5.11 ng/ul	369332	Phenanthrene-d10	17.45

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	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90





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Instrument : BNA_G
ClientSampleId : BENP0

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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 Naphtho[1,2-b]thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	7.21 ng/ul	520672	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
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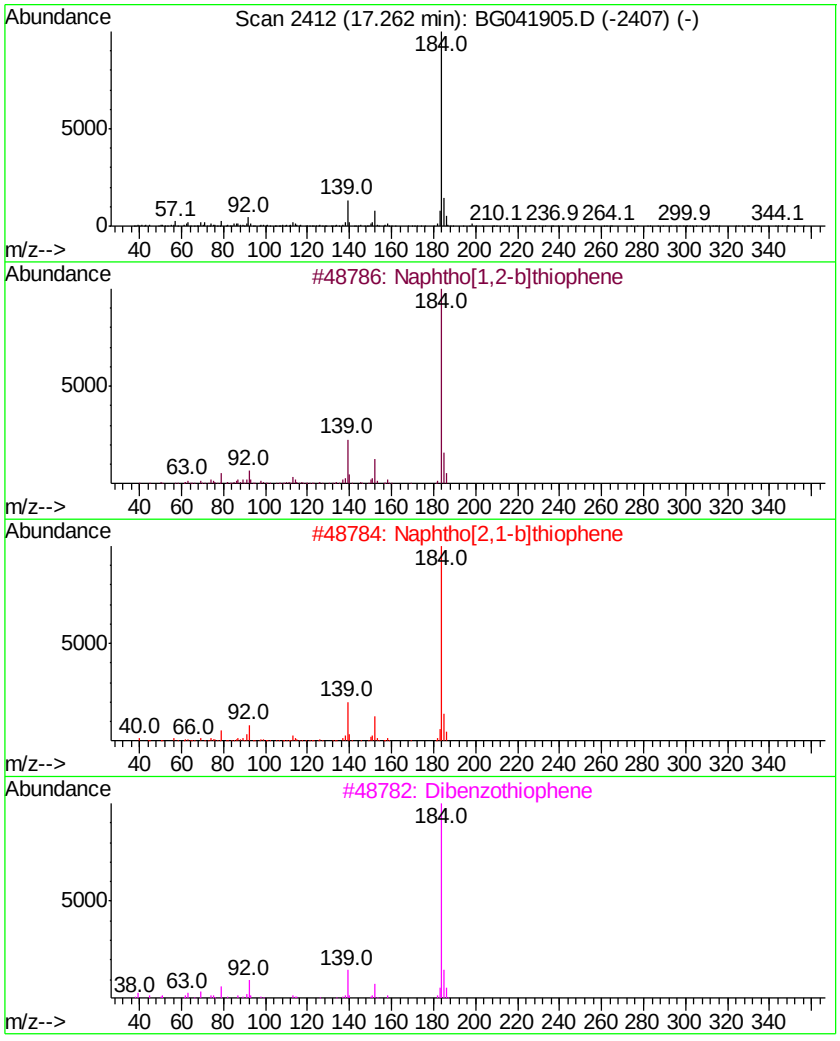

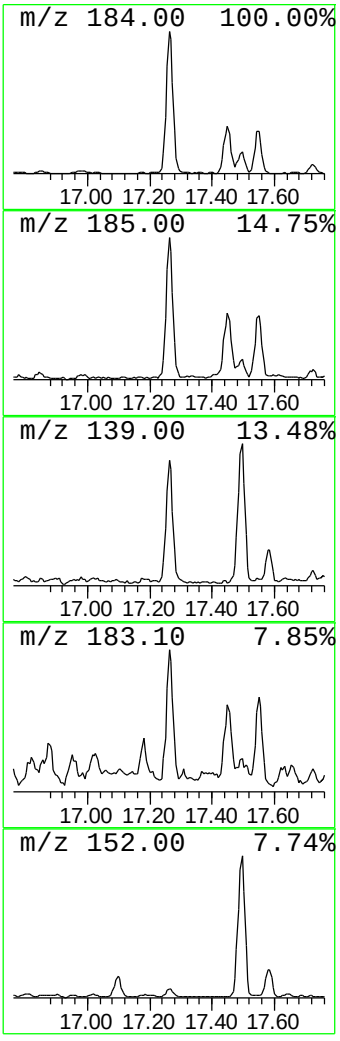

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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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Quant Title : SVOA CALIBRATION

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

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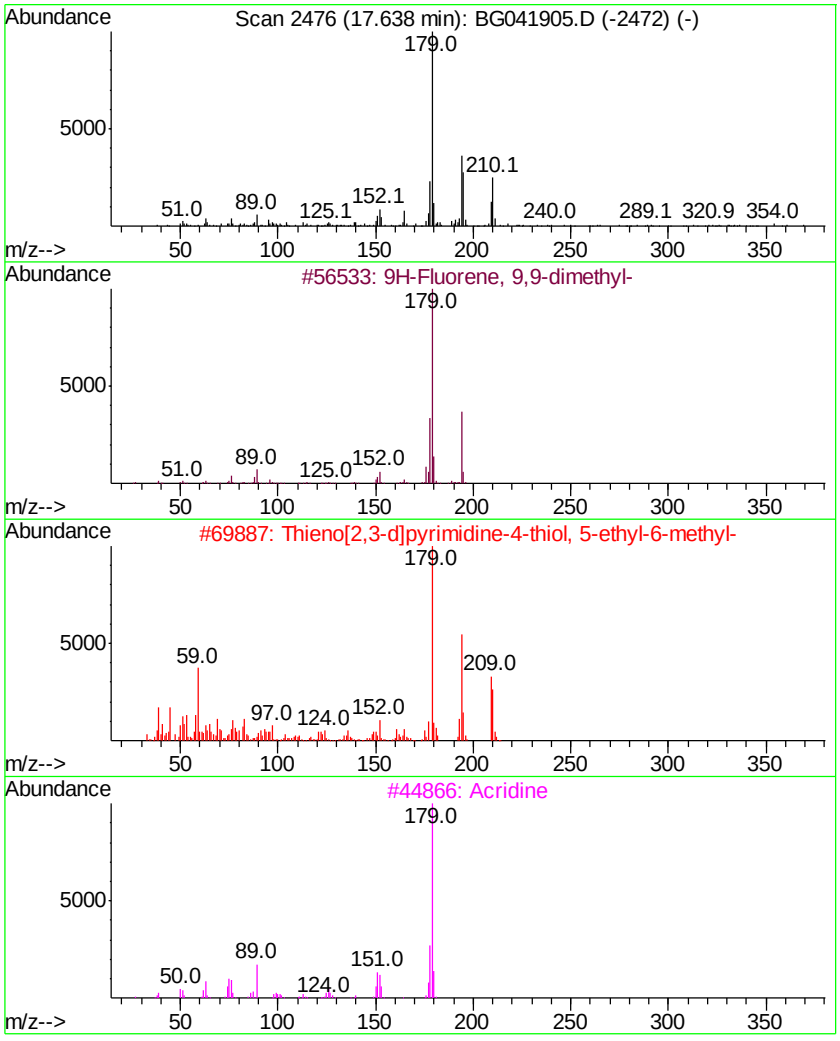
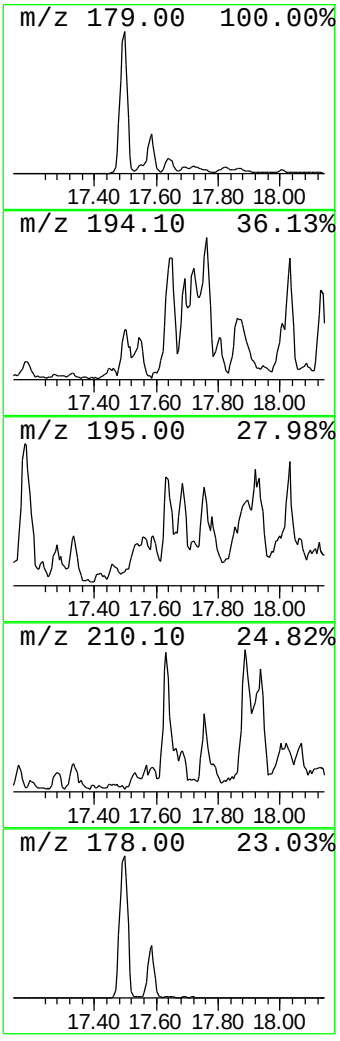
Peak Number 18 9H-Fluorene, 9,9-dimethyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	2.68 ng/ul	193846	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	70
2	Thieno[2,3-d]pyrimidine-4-thiol,...	210	C9H10N2S2	1000303-48-8	55
3	Acridine	179	C13H9N	000260-94-6	55
4	Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	53
5	Benzo[h]quinoline	179	C13H9N	000230-27-3	50





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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Quant Title : SVOA CALIBRATION

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

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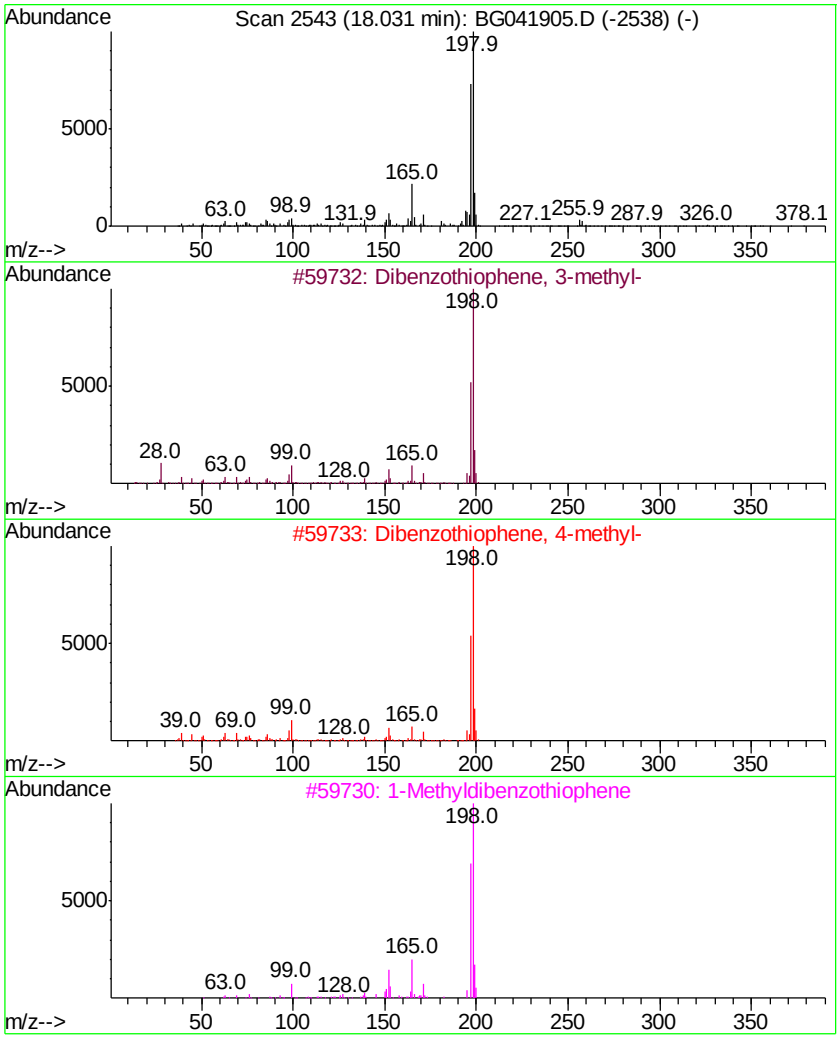
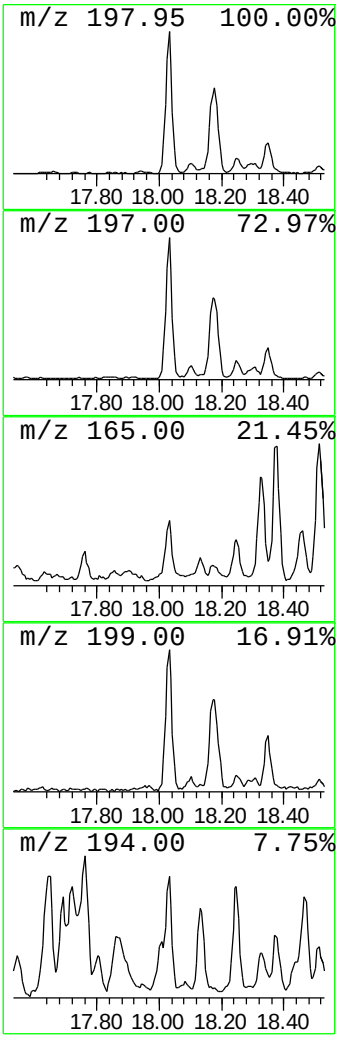
Peak Number 19 Dibenzothiophene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	7.41 ng/ul	535170	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	80
4	Benzene, 1-fluoro-3-(2-phenyleth...	198	C14H11F	003041-81-4	64
5	Tacrine	198	C13H14N2	000321-64-2	64





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ClientSampleId : BENP0

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Quant Title : SVOA CALIBRATION

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

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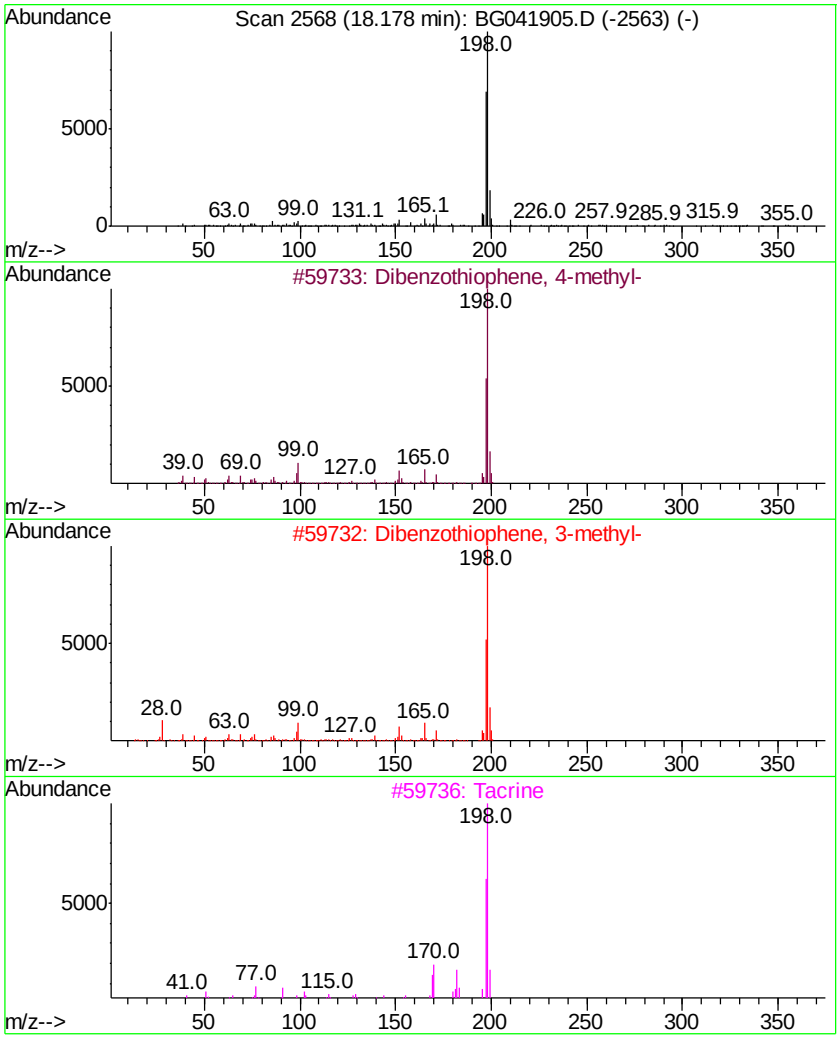
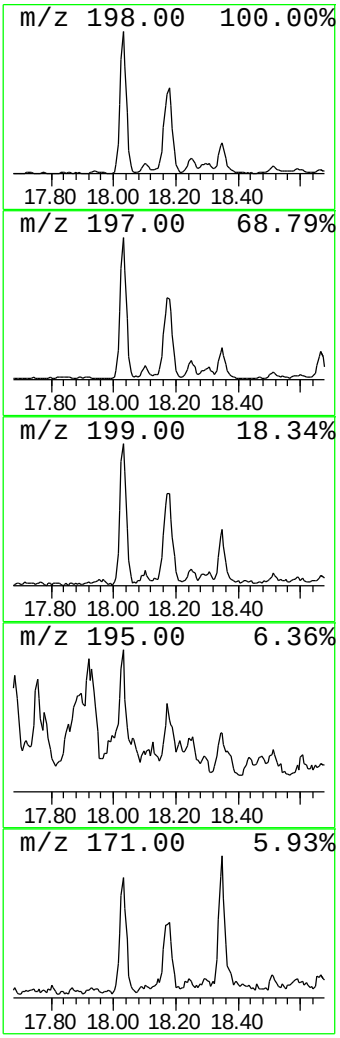
Peak Number 20 Dibenzothiophene, 4-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	4.26 ng/ul	307476	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
3	Tacrine	198	C13H14N2	000321-64-2	72
4	Tacrine	198	C13H14N2	000321-64-2	72
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	64





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Acq On : 3 Aug 2019 12:05
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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Quant Title : SVOA CALIBRATION

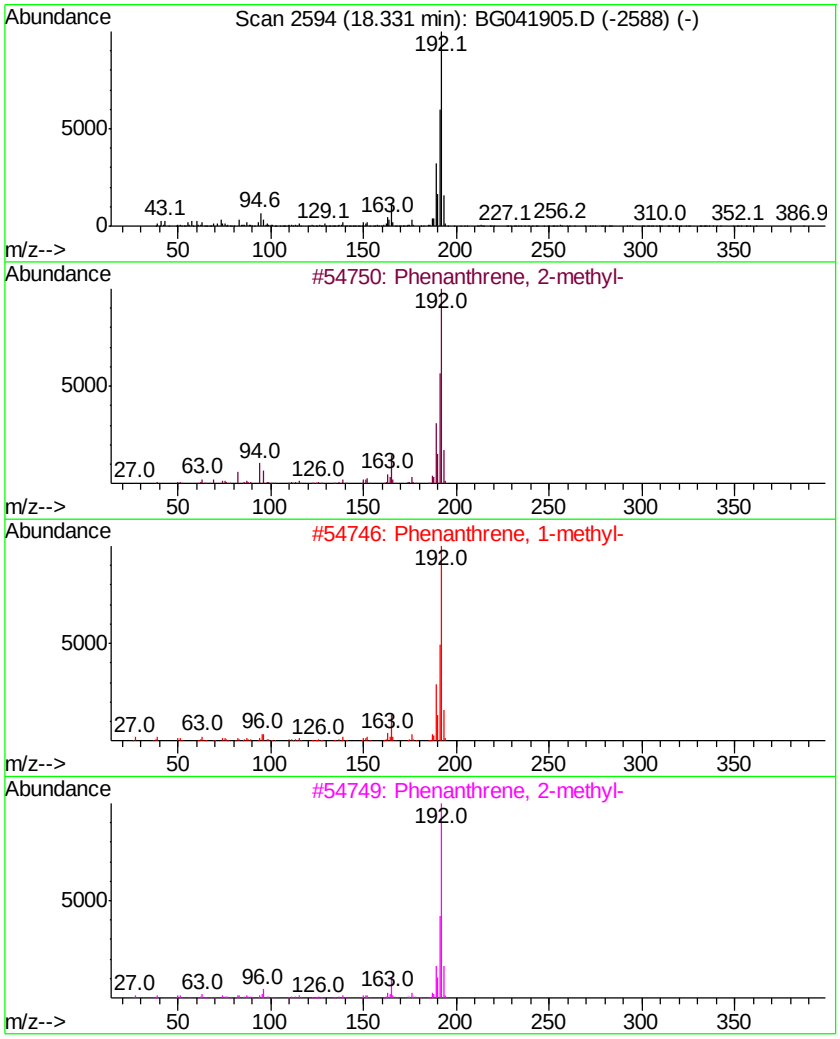
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

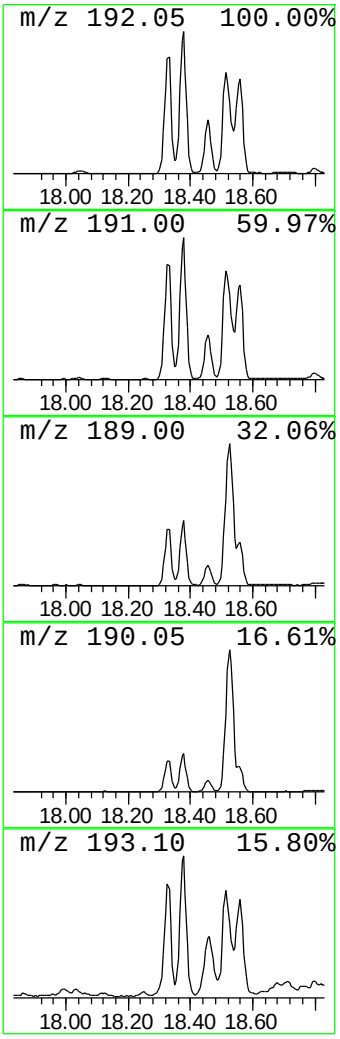
****

Peak Number 21 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	31.07 ng/ul	2243840	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Library Search Compound Report

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Data File : BG041905.D
Acq On : 3 Aug 2019 12:05
Operator : HP/JU
Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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

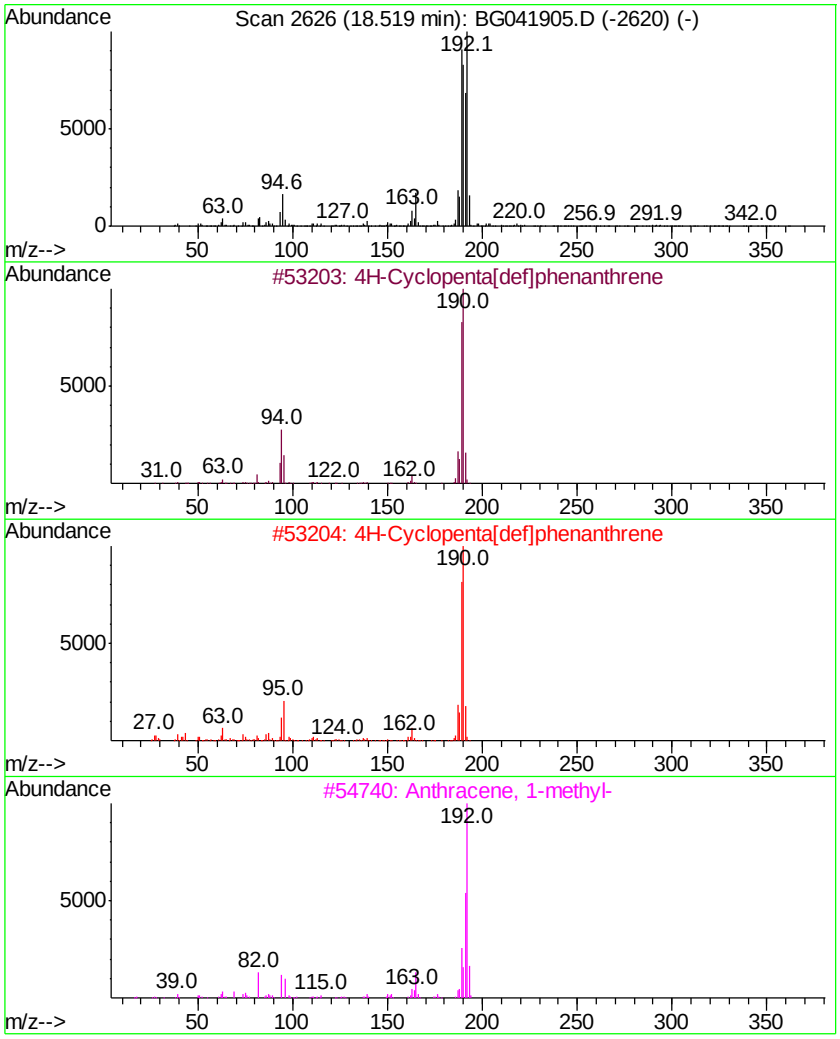
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

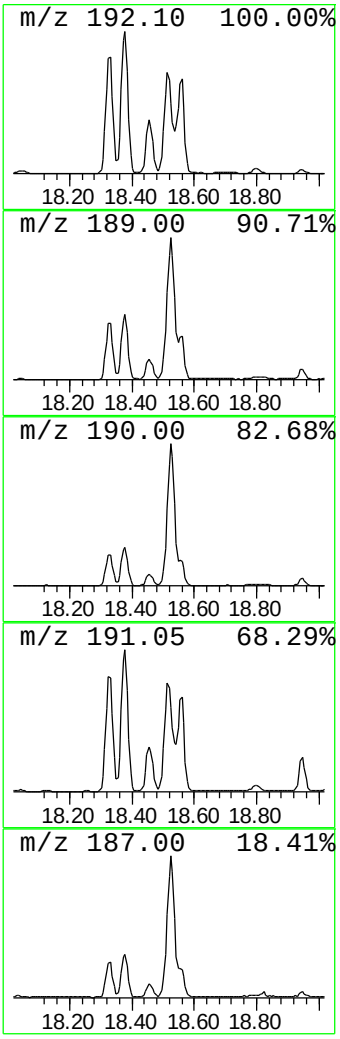
****

Peak Number 24 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	39.18 ng/ul	2830090	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46





Library Search Compound Report

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Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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

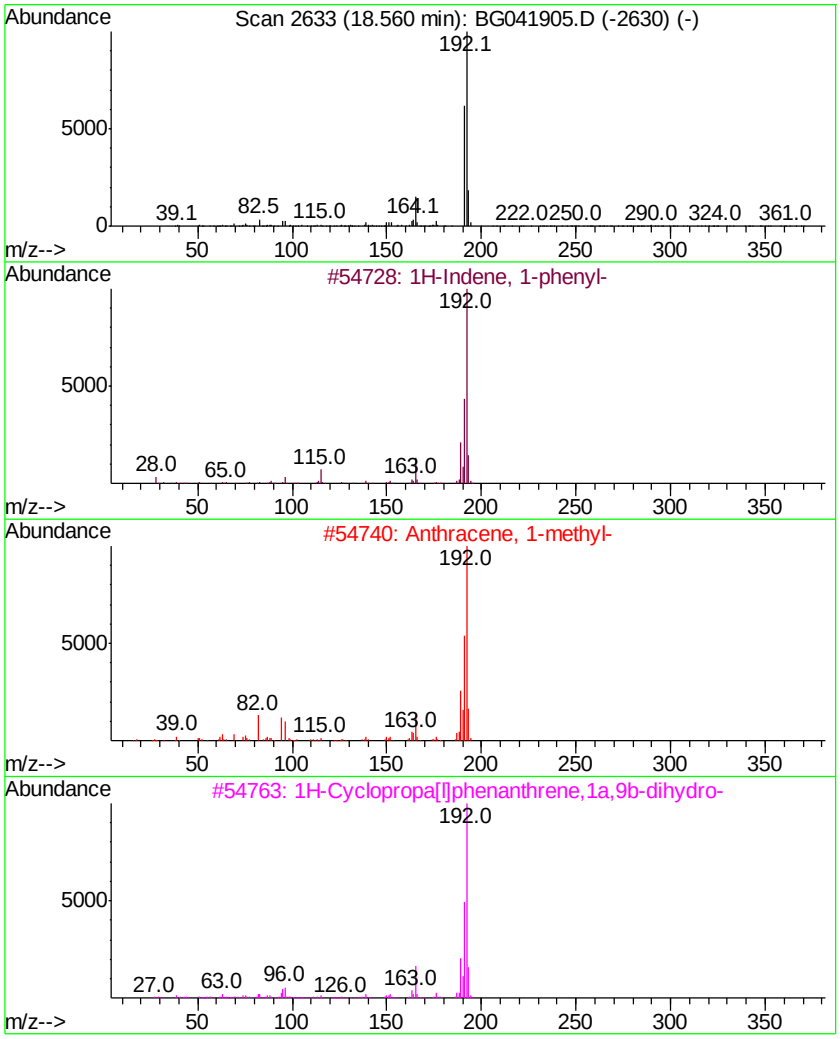
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

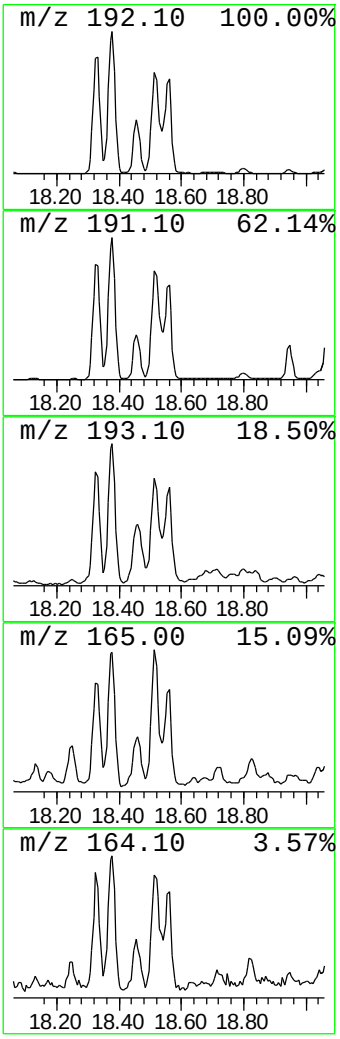
****

Peak Number 25 1H-Indene, 1-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	16.59 ng/ul	1197980	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : BENP0

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

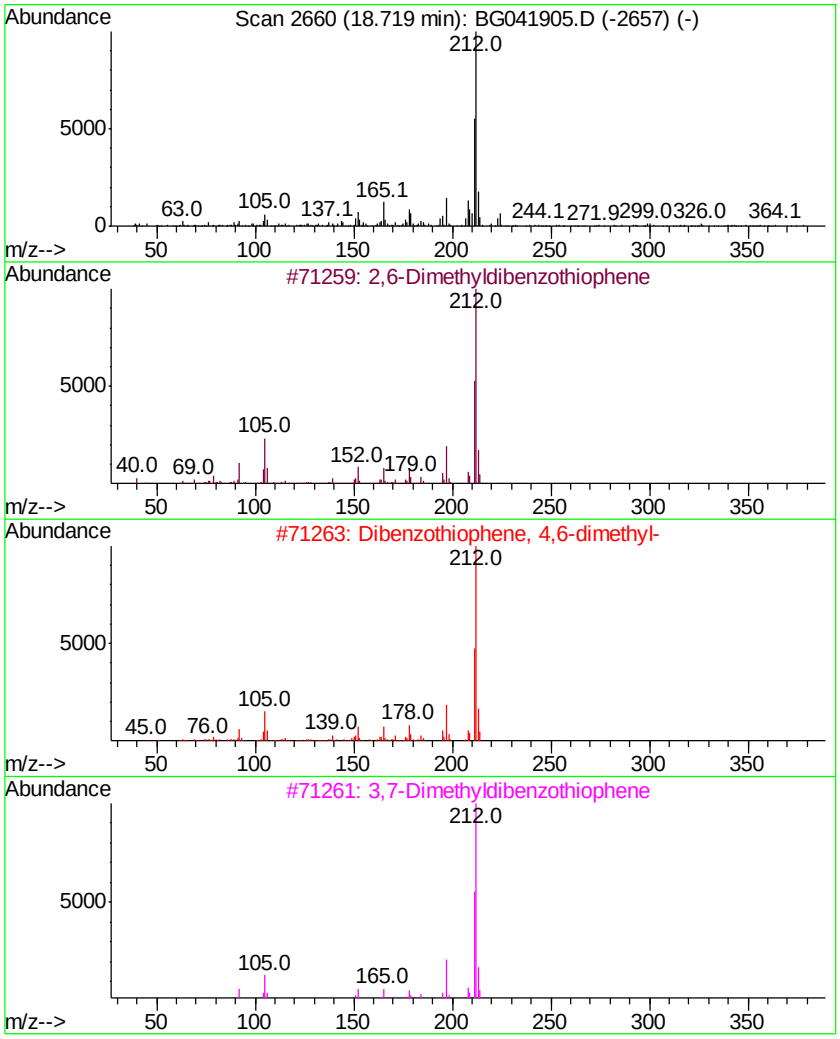
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

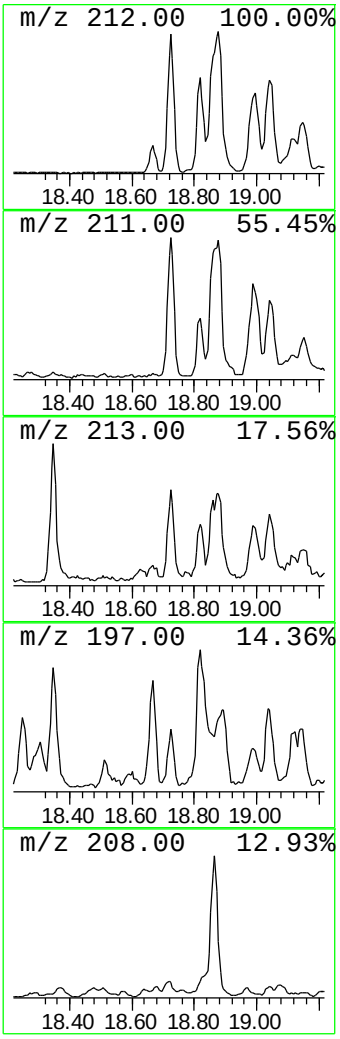
****

Peak Number 26 2,6-Dimethyldibenzothiophene Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	3.23 ng/ul	233395	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	94
2	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	94
3	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	93
4	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	93
5	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	90





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Operator : HP/JU
Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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Quant Title : SVOA CALIBRATION

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

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Peak Number 27 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	12.03 ng/ul	869097	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	72
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
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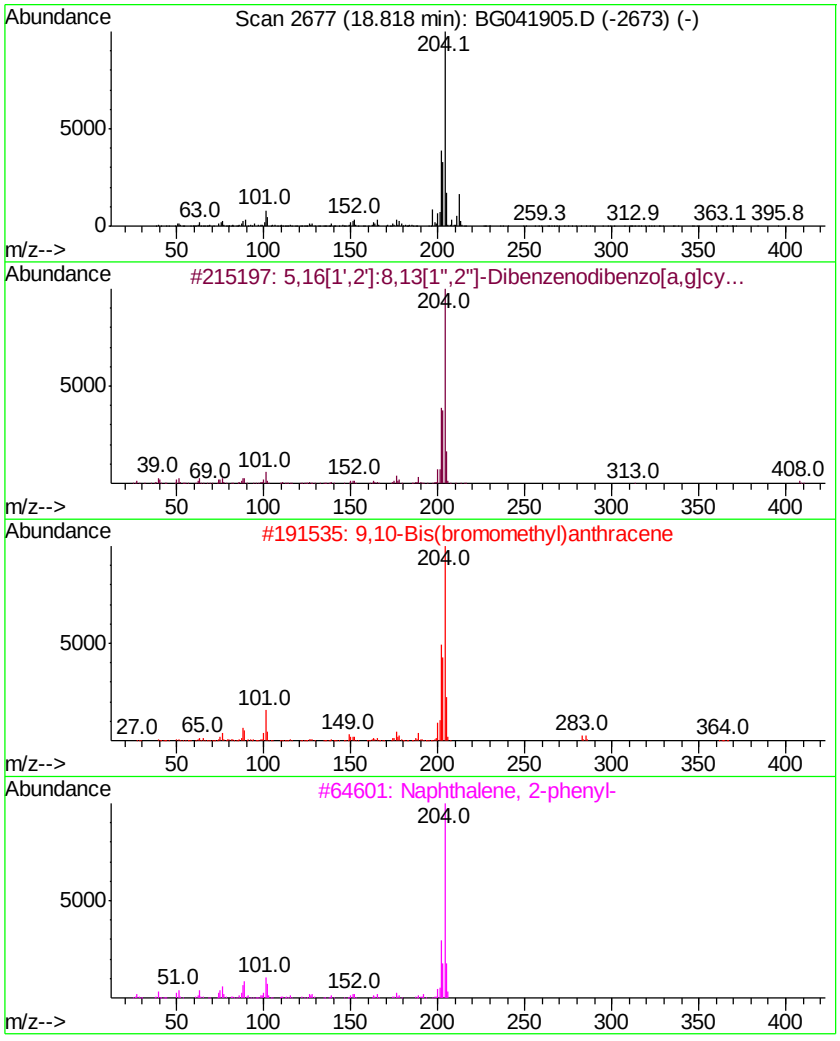

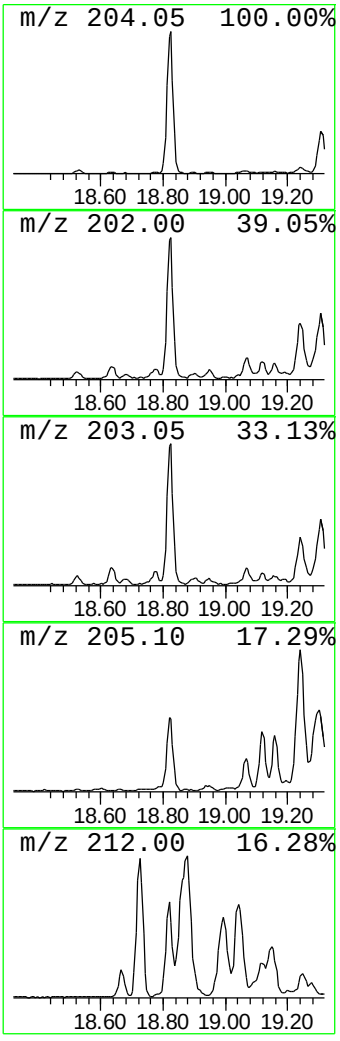

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Acq On : 3 Aug 2019 12:05
Operator : HP/JU
Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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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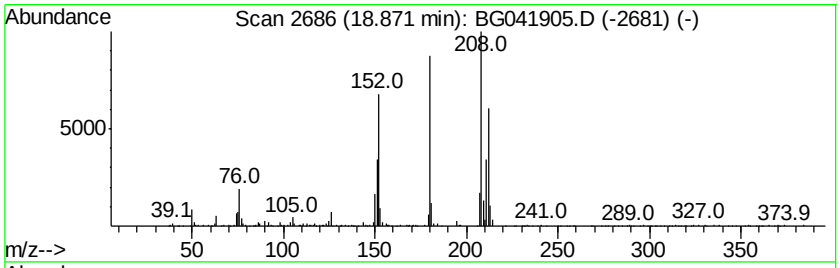
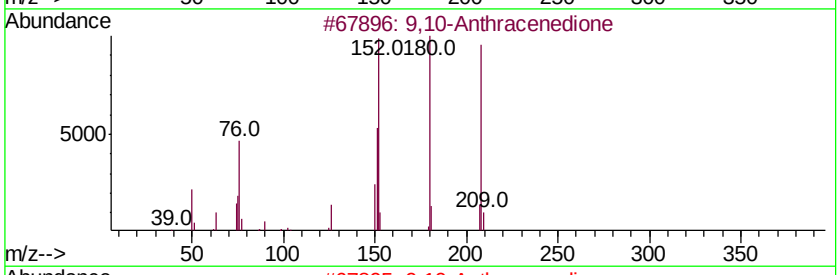
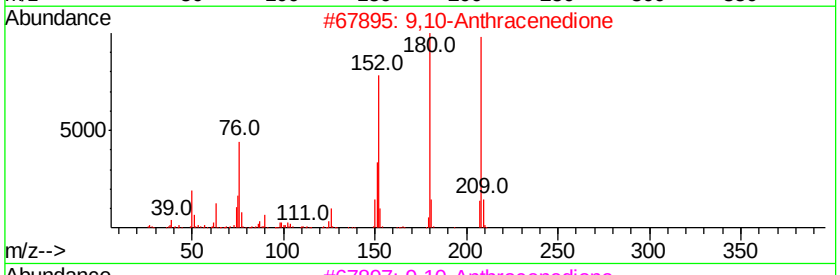
Peak Number 28 9,10-Anthracenedione Concentration Rank 10

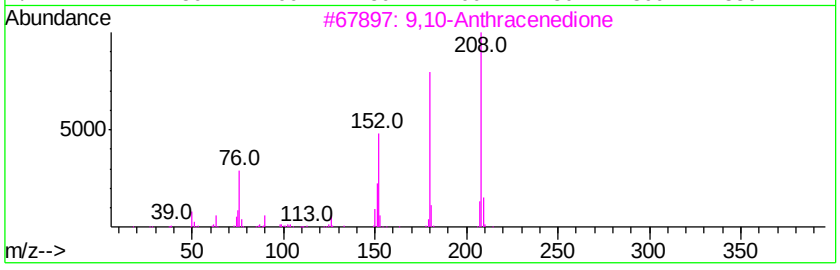
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	13.72 ng/ul	991026	Phenanthrene-d10	17.45

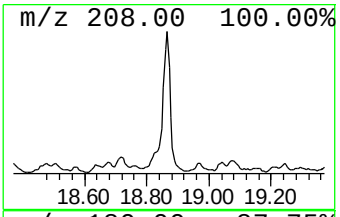
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55

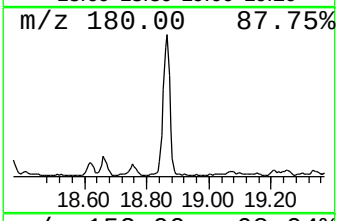


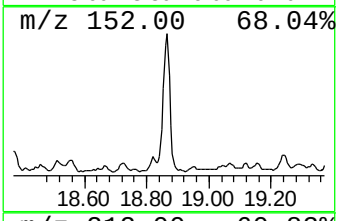


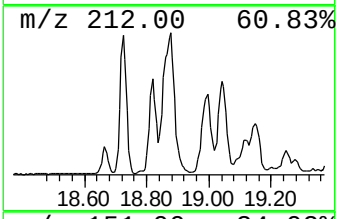


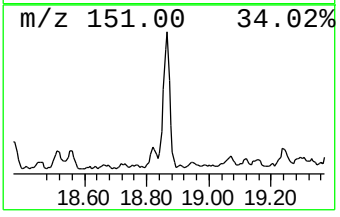












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Data File : BG041905.D
Acq On : 3 Aug 2019 12:05
Operator : HP/JU
Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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

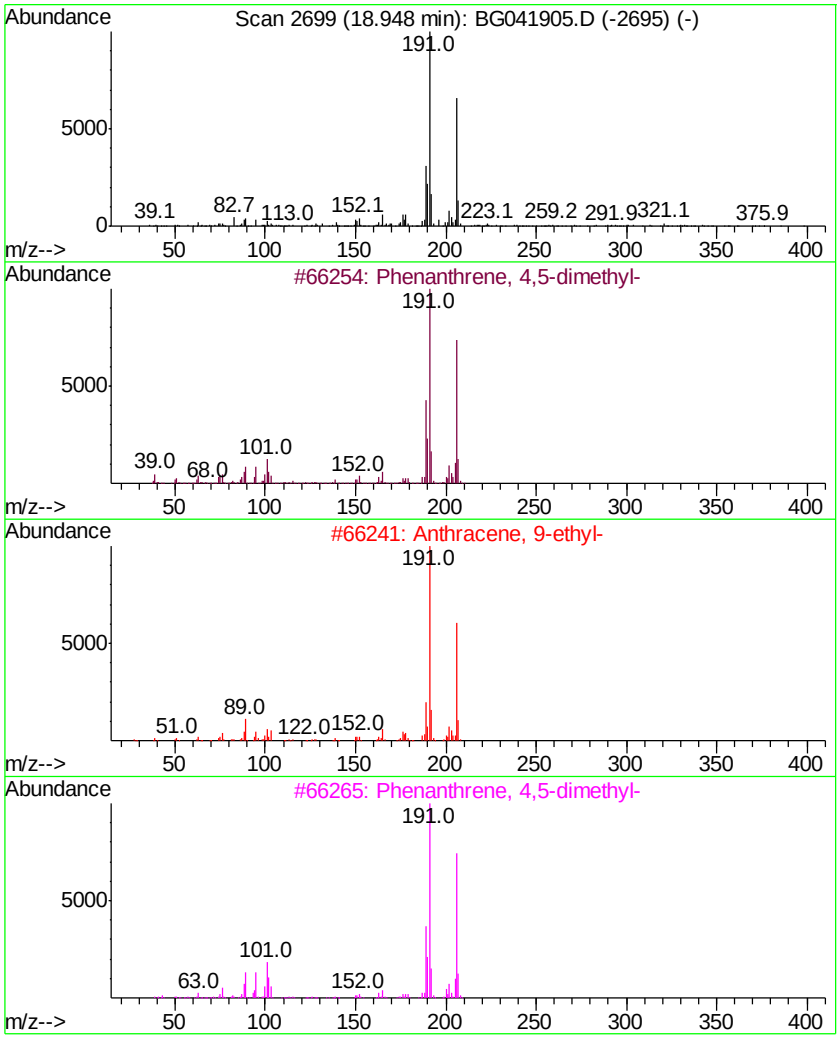
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

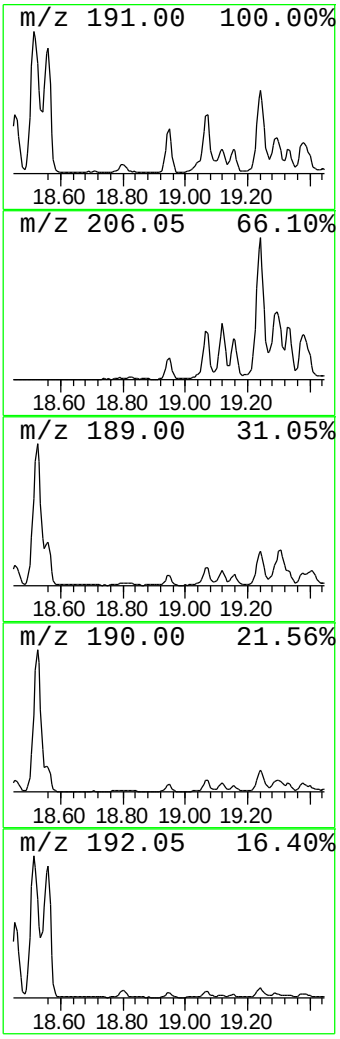
****

Peak Number 29 Phenanthrene, 4,5-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	4.41 ng/ul	318505	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Anthracene, 9-ethyl-	206	C16H14	000605-83-4	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90





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Acq On : 3 Aug 2019 12:05
Operator : HP/JU
Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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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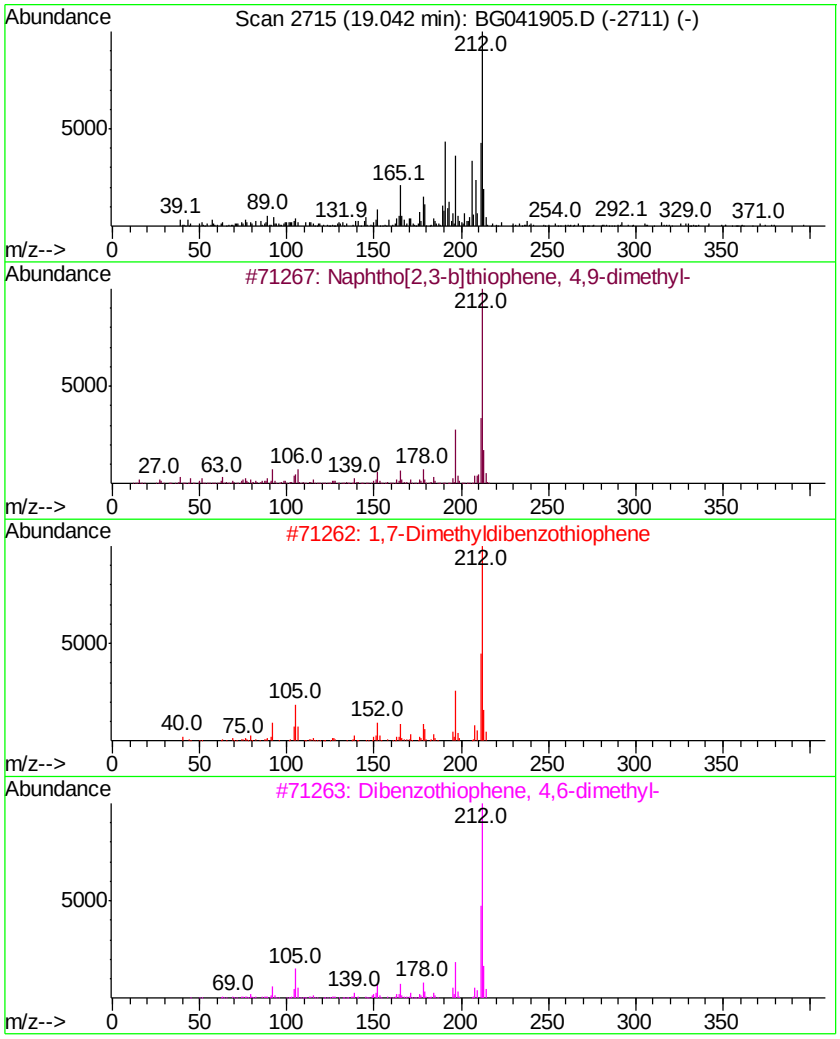
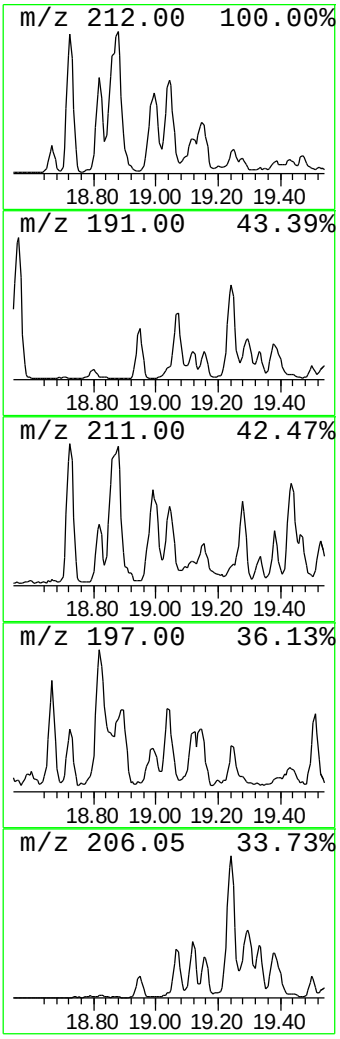
Peak Number 30 Naphtho[2,3-b]thiophene, 4,... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	2.58 ng/ul	186692	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	78
2	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	78
3	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	55
4	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	49
5	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	49





Library Search Compound Report

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Data File : BG041905.D
Acq On : 3 Aug 2019 12:05
Operator : HP/JU
Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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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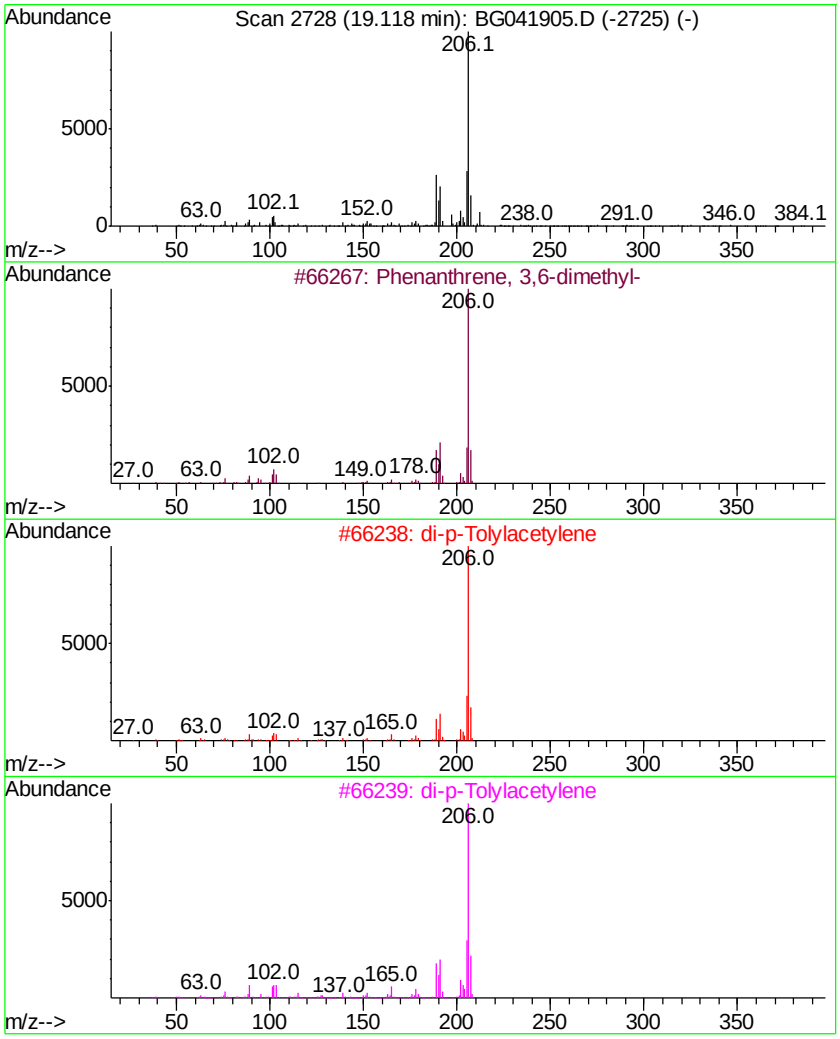
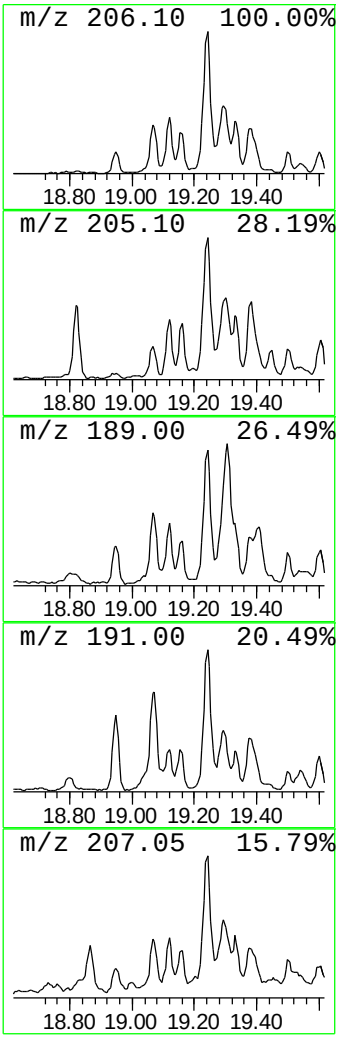
Peak Number 32 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	6.17 ng/ul	445688	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	83





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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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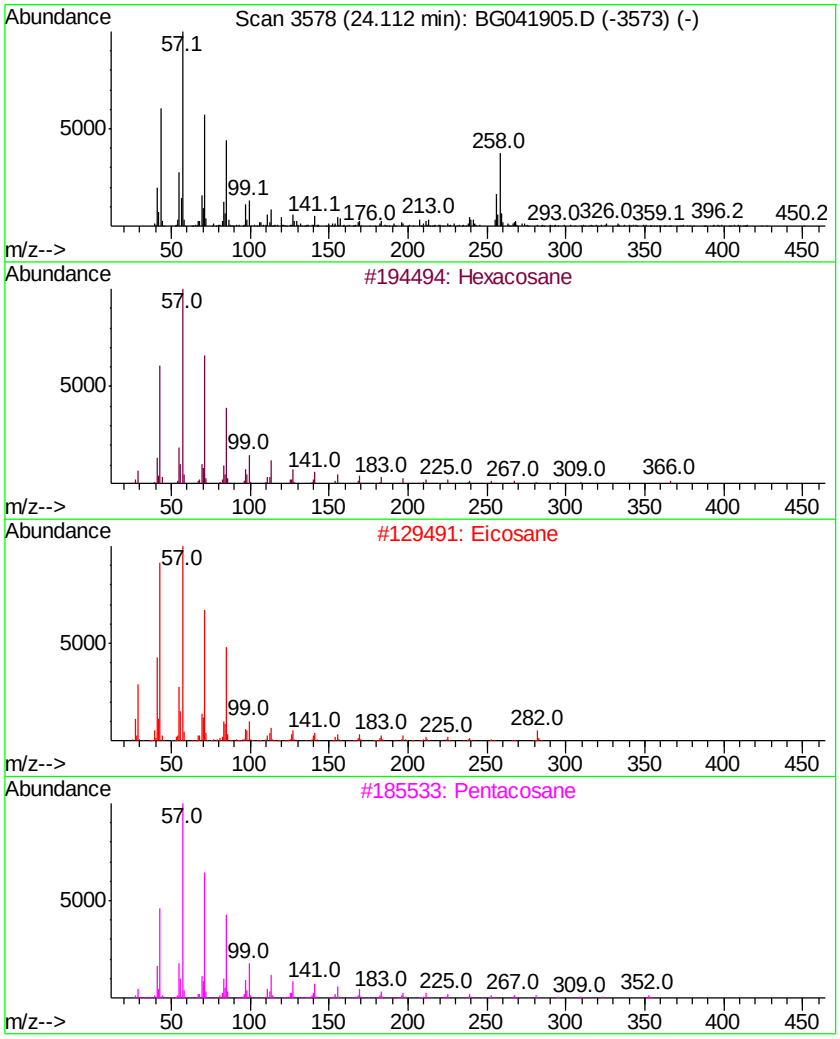
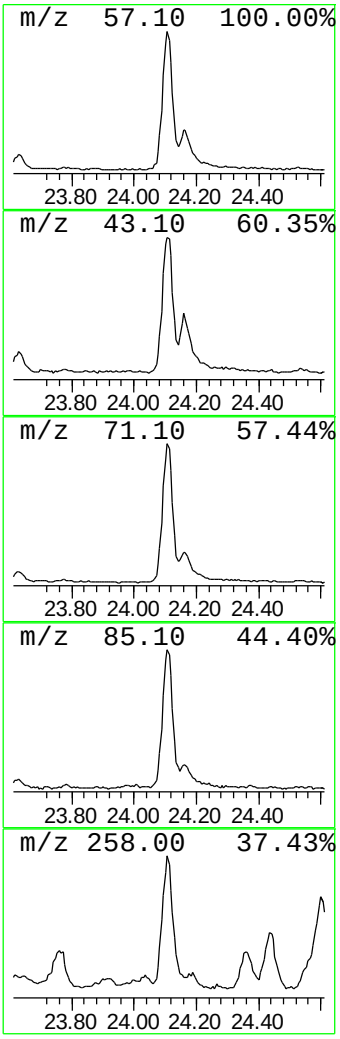
Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.11	14.10 ng/ul	642278	Perylene-d12	25.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	95
2	Eicosane	282	C20H42	000112-95-8	95
3	Pentacosane	352	C25H52	000629-99-2	92
4	Tricosane, 2-methyl-	338	C24H50	001928-30-9	86
5	Tricosane	324	C23H48	000638-67-5	86





Tentatively Identified Compound (LSC) summary

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Data File : BG041905.D
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Sample : K3850-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP0

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...	3.15	84.9	ng/ul	2676910	1	8.04	630710	20.0
Naphthalene, 1-me...	12.74	7.2	ng/ul	340779	2	10.86	945710	20.0
Naphthalene, 1-et...	13.72	2.9	ng/ul	206873	3	14.69	1432410	20.0
Naphthalene, 2,3-...	14.01	5.3	ng/ul	376298	3	14.69	1432410	20.0
1-Isopropenylnaph...	15.01	3.3	ng/ul	234605	3	14.69	1432410	20.0
Naphthalene, 1-(2...	15.87	3.8	ng/ul	271372	3	14.69	1432410	20.0
Diphenylmethane	15.99	3.0	ng/ul	212133	3	14.69	1432410	20.0
9H-Fluoren-9-ol	16.04	4.3	ng/ul	306147	3	14.69	1432410	20.0
(Z)-Dec-4-enyl 3-...	16.42	4.3	ng/ul	311761	4	17.45	1444600	20.0
9H-Fluorene, 4-me...	16.75	3.4	ng/ul	247646	4	17.45	1444600	20.0
9H-Fluorene, 2-me...	16.80	3.0	ng/ul	213565	4	17.45	1444600	20.0
9H-Fluoren-9-one	17.10	5.1	ng/ul	369332	4	17.45	1444600	20.0
Naphtho[1,2-b]thi...	17.26	7.2	ng/ul	520672	4	17.45	1444600	20.0
9H-Fluorene, 9,9-...	17.64	2.7	ng/ul	193846	4	17.45	1444600	20.0
Dibenzothiophene,...	18.03	7.4	ng/ul	535170	4	17.45	1444600	20.0
Dibenzothiophene,...	18.18	4.3	ng/ul	307476	4	17.45	1444600	20.0
Phenanthrene, 2-m...	18.33	31.1	ng/ul	2243840	4	17.45	1444600	20.0
4H-Cyclopenta[def...	18.52	39.2	ng/ul	2830090	4	17.45	1444600	20.0
1H-Indene, 1-phenyl-	18.56	16.6	ng/ul	1197980	4	17.45	1444600	20.0
2,6-Dimethyldiben...	18.72	3.2	ng/ul	233395	4	17.45	1444600	20.0
5,16[1',2']:8,13[...	18.82	12.0	ng/ul	869097	4	17.45	1444600	20.0
9,10-Anthracenedione	18.87	13.7	ng/ul	991026	4	17.45	1444600	20.0
Phenanthrene, 4,5...	18.95	4.4	ng/ul	318505	4	17.45	1444600	20.0
Naphtho[2,3-b]thi...	19.04	2.6	ng/ul	186692	4	17.45	1444600	20.0
Phenanthrene, 3,6...	19.12	6.2	ng/ul	445688	4	17.45	1444600	20.0
(DEL) Alkane: Str...	24.11	14.1	ng/ul	642278	6	25.02	910925	20.0