LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041907.D
Acq On : 3 Aug 2019 13:21
Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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	6	11	32	rVB	1621657	2745624	29.75%	2.824%
2	3.949	141	146	154	rVB	53335	83008	0.90%	0.085%
3	7.180	688	696	707	rBV	215259	415417	4.50%	0.427%
4	7.351	717	725	740	rBV	157708	288365	3.12%	0.297%
5	7.562	751	761	774	rVB	249712	433738	4.70%	0.446%
6	8.032	834	841	850	rBV	316820	552722	5.99%	0.568%
7	8.737	954	961	972	rBV	248937	458838	4.97%	0.472%
8	9.201	1027	1040	1048	rBV	218673	414792	4.49%	0.427%
9	9.930	1157	1164	1175	rBV	196028	362230	3.92%	0.373%
10	10.271	1213	1222	1234	rBV	1213954	2156697	23.37%	2.218%
11	10.470	1249	1256	1267	rBV	301937	578571	6.27%	0.595%
12	10.858	1315	1322	1328	rBV	435330	801160	8.68%	0.824%
13	10.911	1328	1331	1336	rVV	59695	88736	0.96%	0.091%
14	10.987	1336	1344	1358	rVB2	73354	177917	1.93%	0.183%
15	12.521	1599	1605	1612	rVB	68576	120147	1.30%	0.124%
16	12.738	1635	1642	1650	rBV	57942	99476	1.08%	0.102%
17	13.866	1825	1834	1844	rBV6	39783	109637	1.19%	0.113%
18	14.019	1853	1860	1865	rBV	75880	139736	1.51%	0.144%
19	14.096	1865	1873	1877	rVV	565751	902239	9.77%	0.928%
20	14.137	1877	1880	1887	rVB	210175	308607	3.34%	0.317%
21	14.248	1892	1899	1903	rBV	46209	80512	0.87%	0.083%
22	14.383	1913	1922	1936	rBV2	674494	1167497	12.65%	1.201%
23	14.695	1966	1975	1981	rBV2	692711	1175687	12.74%	1.209%
24	14.759	1981	1986	1994	rVB	150177	249211	2.70%	0.256%
25	14.877	2000	2006	2019	rBV2	146590	352541	3.82%	0.363%
26	15.006	2021	2028	2031	rBV3	39432	83390	0.90%	0.086%
27	15.094	2037	2043	2050	rVB	107653	185254	2.01%	0.191%
28	15.171	2051	2056	2060	rVB2	45096	69330	0.75%	0.071%
29	15.312	2075	2080	2085	rBV	41737	69314	0.75%	0.071%
30	15.506	2102	2113	2118	rBV	350503	578858	6.27%	0.595%
31	15.559	2118	2122	2128	rVB2	53379	82400	0.89%	0.085%
32	15.688	2135	2144	2149	rBV	879662	1358516	14.72%	1.397%
33	15.741	2149	2153	2158	rVV2	163088	247935	2.69%	0.255%
34	15.805	2158	2164	2168	rVV	147846	231889	2.51%	0.238%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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	15.870	2172	2175	2178	rVV2	65300	90478	0.98%	0.093%
36	15.905	2178	2181	2186	rVV4	56445	98315	1.07%	0.101%
37	15.958	2186	2190	2193	rVV2	53506	78320	0.85%	0.081%
38	16.034	2200	2203	2213	rVB3	66779	151932	1.65%	0.156%
39	16.187	2225	2229	2236	rVB3	52079	105544	1.14%	0.109%
40	16.416	2263	2268	2275	rVB6	81900	158489	1.72%	0.163%
41	16.751	2317	2325	2329	rBV4	85371	174400	1.89%	0.179%
42	16.798	2330	2333	2339	rVB2	63571	103295	1.12%	0.106%
43	16.904	2348	2351	2355	rVB	65761	90923	0.99%	0.094%
44	17.022	2368	2371	2374	rVB2	56983	67434	0.73%	0.069%
45	17.098	2380	2384	2391	rVB4	78748	139824	1.51%	0.144%
46	17.186	2395	2399	2401	rBV3	43993	77973	0.84%	0.080%
47	17.268	2408	2413	2420	rBV	138424	225216	2.44%	0.232%
48	17.450	2438	2444	2447	rBV2	770142	1276108	13.83%	1.312%
49	17.492	2447	2451	2456	rVV	1811800	2671480	28.94%	2.747%
50	17.544	2456	2460	2464	rVV2	899405	1432780	15.52%	1.473%
51	17.580	2464	2466	2471	rVB	437914	524293	5.68%	0.539%
52	17.638	2471	2476	2481	rBV2	81287	156356	1.69%	0.161%
53	17.844	2508	2511	2516	rBV	65265	106742	1.16%	0.110%
54	17.968	2530	2532	2536	rVB2	96422	105371	1.14%	0.108%
55	18.032	2538	2543	2551	rVV	244945	394028	4.27%	0.405%
56	18.173	2563	2567	2574	rVB	112250	195474	2.12%	0.201%
57	18.332	2588	2594	2598	rBV	733152	1448316	15.69%	1.489%
58	18.373	2598	2601	2606	rVB	795223	1154522	12.51%	1.187%
59	18.455	2611	2615	2620	rVV	272813	412167	4.47%	0.424%
60	18.520	2620	2626	2630	rVV3	926892	1858948	20.14%	1.912%
61	18.555	2630	2632	2639	rVB	549521	815993	8.84%	0.839%
62	18.725	2657	2661	2665	rBV2	136121	181406	1.97%	0.187%
63	18.825	2673	2678	2681	rBV	344919	509126	5.52%	0.524%
64	18.861	2681	2684	2695	rVB2	350736	622341	6.74%	0.640%
65	18.949	2695	2699	2702	rBV	141029	201283	2.18%	0.207%
66	19.043	2711	2715	2716	rBV2	128824	161087	1.75%	0.166%
67	19.066	2716	2719	2724	rVV	333073	492802	5.34%	0.507%
68	19.119	2725	2728	2731	rVV	247693	341023	3.69%	0.351%
69	19.154	2731	2734	2738	rVB2	207009	288952	3.13%	0.297%
70	19.242	2744	2749	2753	rBV	753561	1266294	13.72%	1.302%
71	19.301	2754	2759	2762	rVV4	243167	509998	5.53%	0.524%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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	19.378	2768	2772	2779	rBV2	460549	843719	9.14%	0.868%
73	19.507	2788	2794	2800	rVB	3153423	4585677	49.68%	4.716%
74	19.566	2800	2804	2807	rBV2	242714	348391	3.77%	0.358%
75	19.607	2807	2811	2814	rVB2	256500	372728	4.04%	0.383%
76	19.748	2831	2835	2838	rBV2	252851	355065	3.85%	0.365%
77	19.842	2845	2851	2852	rBV3	1733016	2572103	27.87%	2.645%
78	19.871	2852	2856	2863	rVV	3818838	6099651	66.08%	6.273%
79	19.936	2863	2867	2873	rVB3	362790	646517	7.00%	0.665%
80	20.094	2891	2894	2900	rVB2	247222	410459	4.45%	0.422%
81	20.194	2904	2911	2920	rBV4	581526	1545346	16.74%	1.589%
82	20.324	2928	2933	2934	rBV4	418392	576015	6.24%	0.592%
83	20.353	2935	2938	2943	rVB	875699	1297317	14.06%	1.334%
84	20.453	2952	2955	2960	rVB2	462074	629068	6.82%	0.647%
85	20.517	2960	2966	2969	rBV2	947573	1451467	15.73%	1.493%
86	20.653	2985	2989	2993	rBV	737991	997981	10.81%	1.026%
87	20.700	2993	2997	3001	rVB	665298	886903	9.61%	0.912%
88	21.123	3065	3069	3076	rVB2	1246518	1885844	20.43%	1.939%
89	21.311	3094	3101	3104	rBV3	560533	1129089	12.23%	1.161%
90	21.369	3105	3111	3115	rBV2	547645	1315172	14.25%	1.352%
91	21.634	3150	3156	3161	rVB	6097546	9230183	100.00%	9.492%
92	21.722	3165	3171	3177	rVV2	2628072	6165896	66.80%	6.341%
93	21.787	3178	3182	3194	rVB	2423357	4446904	48.18%	4.573%
94	21.939	3204	3208	3214	rBV	442796	736186	7.98%	0.757%
95	22.486	3297	3301	3307	rVB	689440	1157935	12.55%	1.191%
96	22.556	3309	3313	3322	rVB2	607433	1217800	13.19%	1.252%
97	23.984	3548	3556	3564	rBV2	1214256	4232771	45.86%	4.353%
98	24.107	3573	3577	3583	rVB2	313967	587803	6.37%	0.604%
99	24.718	3674	3681	3688	rBV	745974	2025179	21.94%	2.083%
100	24.871	3700	3707	3721	rVB	1229337	3632337	39.35%	3.735%

Sum of corrected areas: 97240530

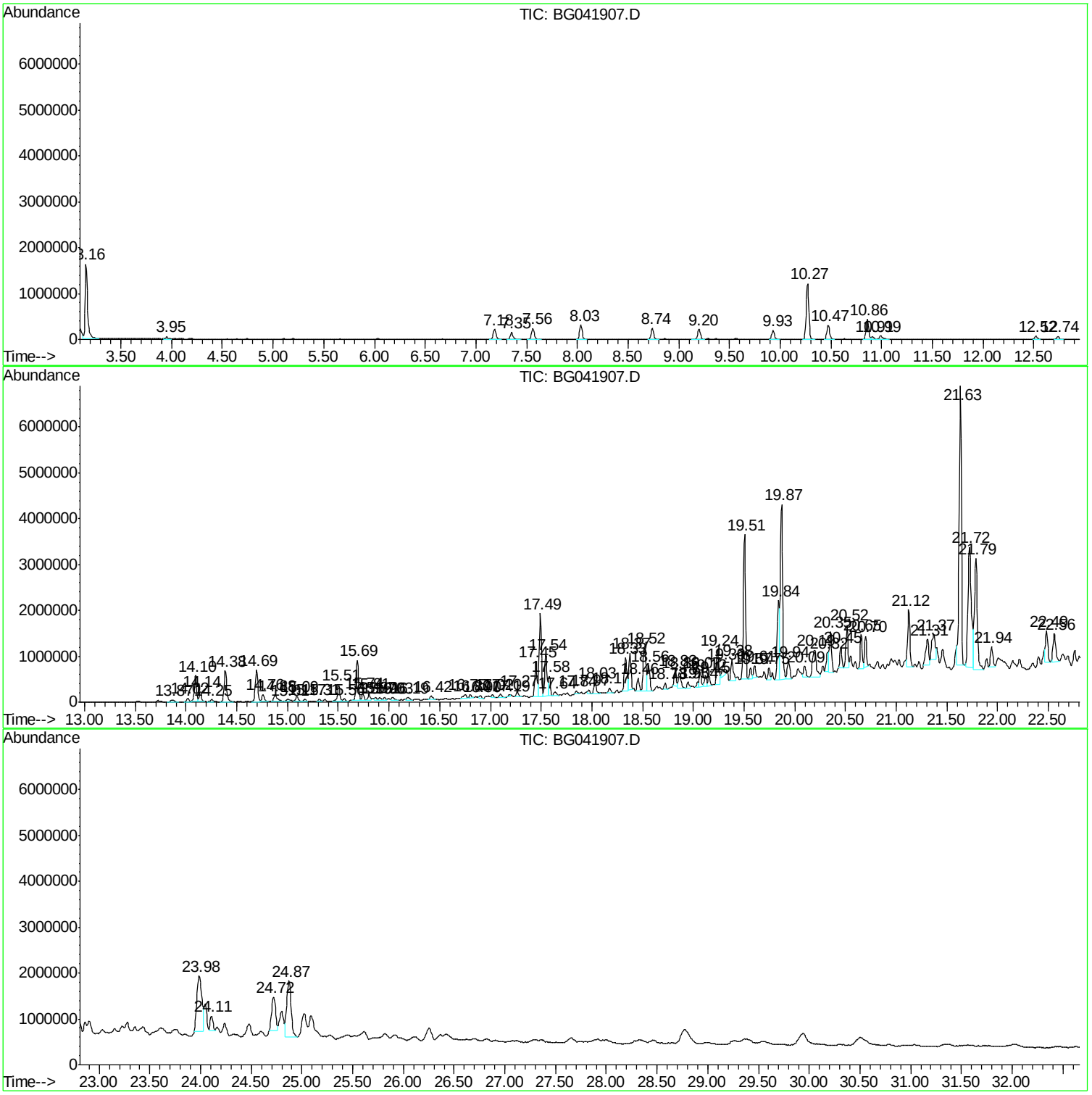
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041907.D
Acq On : 3 Aug 2019 13:21
Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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 : BG041907.D
Acq On : 3 Aug 2019 13:21
Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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

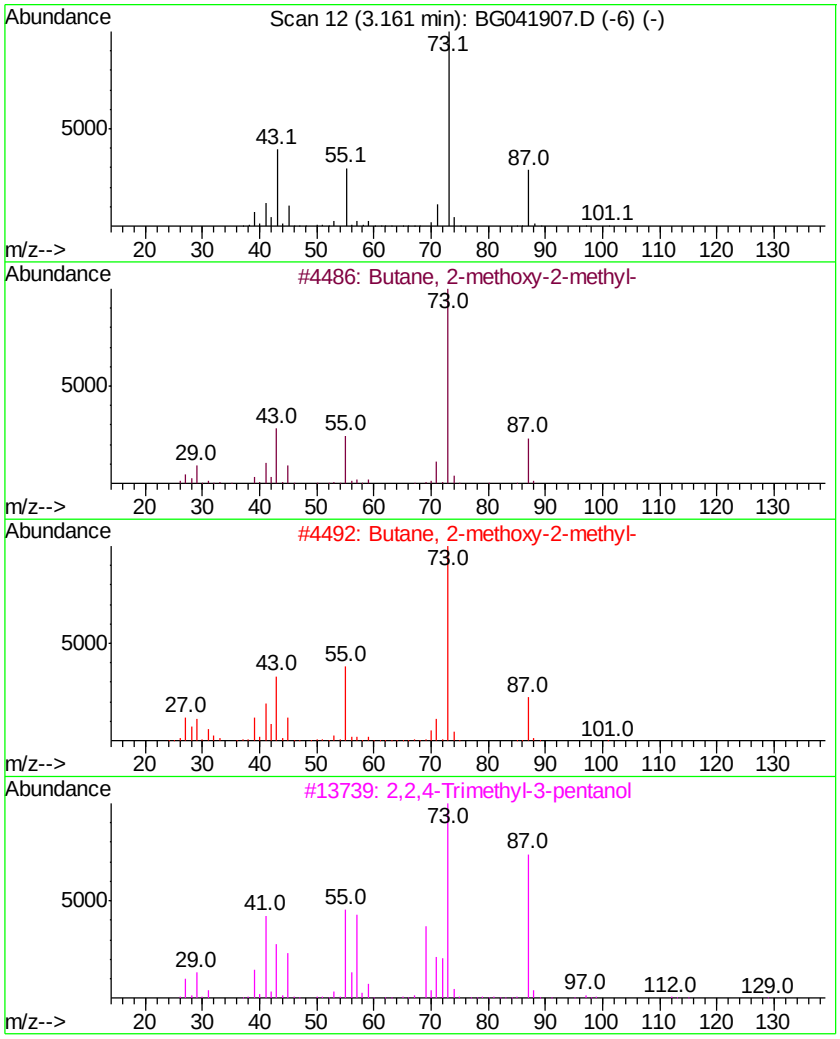
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

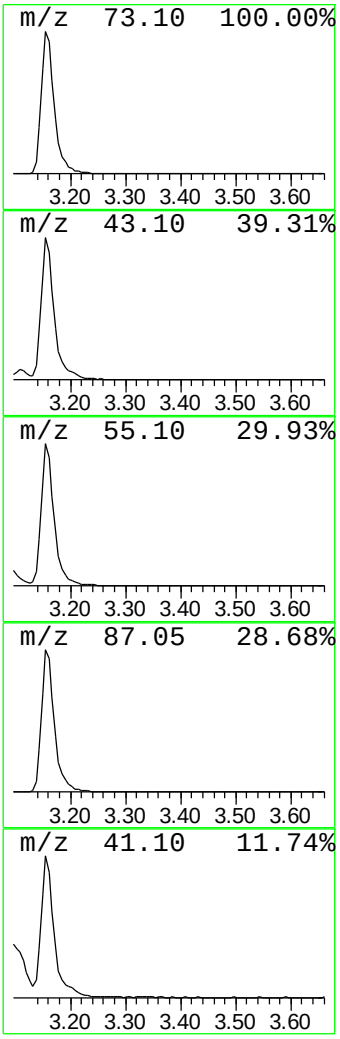
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	99.35 ng/ul	2745620	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	59
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	59
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	33
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041907.D
Acq On : 3 Aug 2019 13:21
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Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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

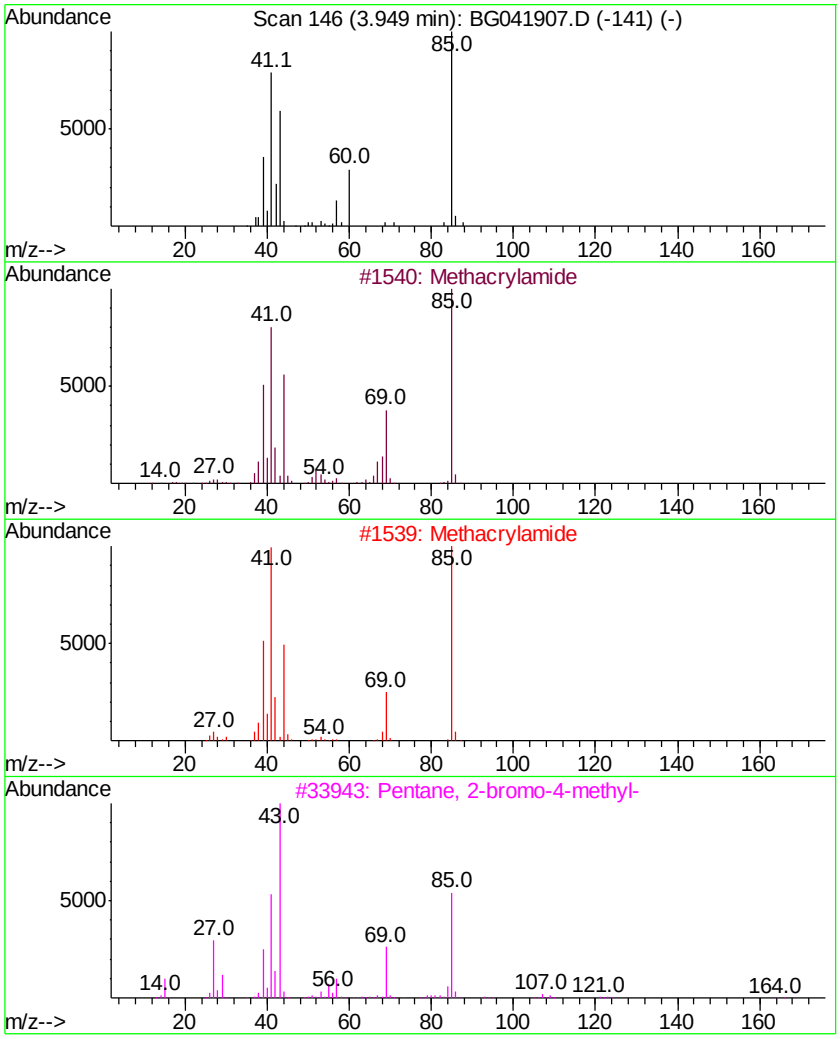
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

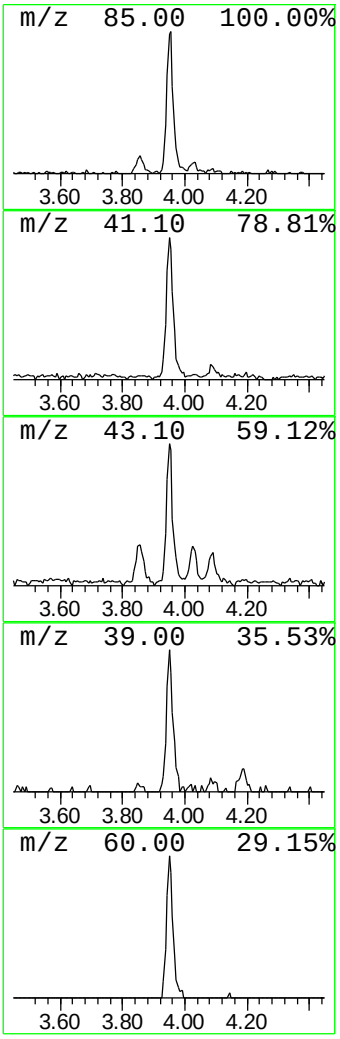
****

Peak Number 2 Methacrylamide Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.95	3.00 ng/ul	83008	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	50
2	Methacrylamide	85	C4H7NO	000079-39-0	42
3	Pentane, 2-bromo-4-methyl-	164	C6H13Br	030310-22-6	38
4	Methacrylamide	85	C4H7NO	000079-39-0	38
5	Thiazole	85	C3H3NS	000288-47-1	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
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Instrument : BNA_G
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

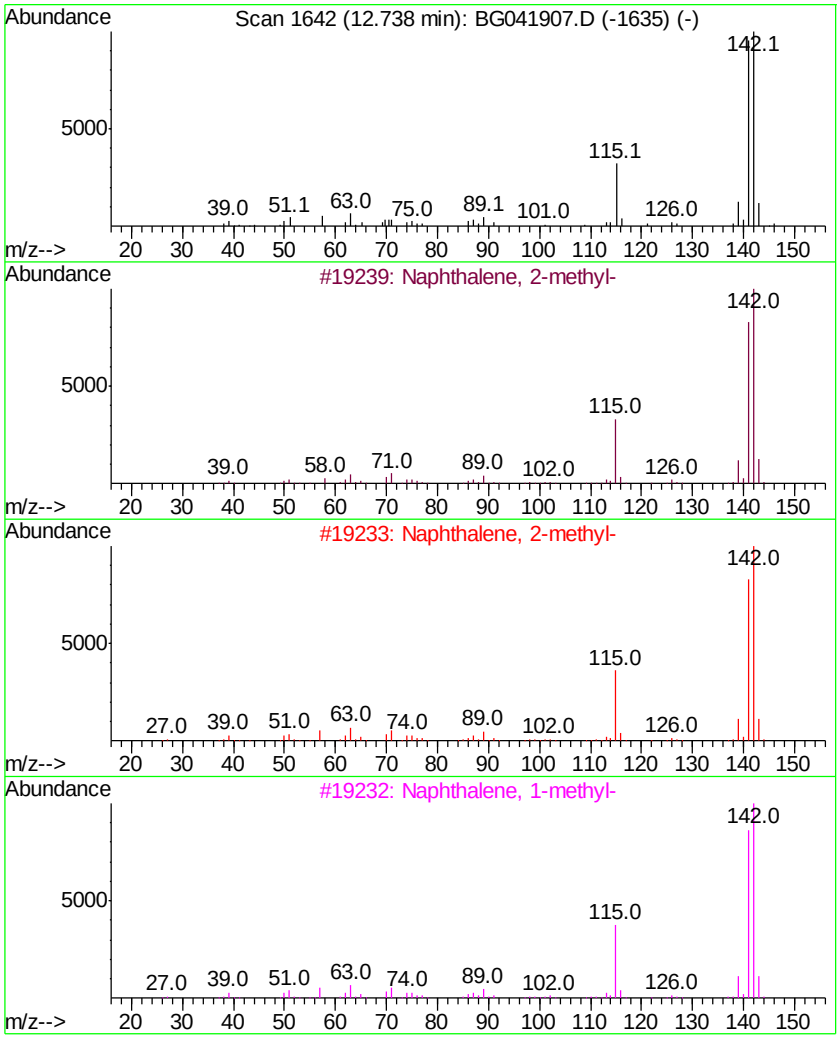
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

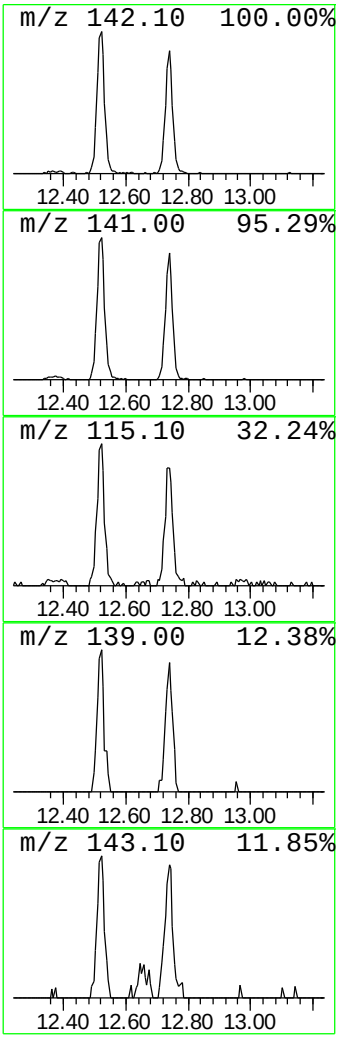
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	2.48 ng/ul	99476	Naphthalene-d8	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041907.D
Acq On : 3 Aug 2019 13:21
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Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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

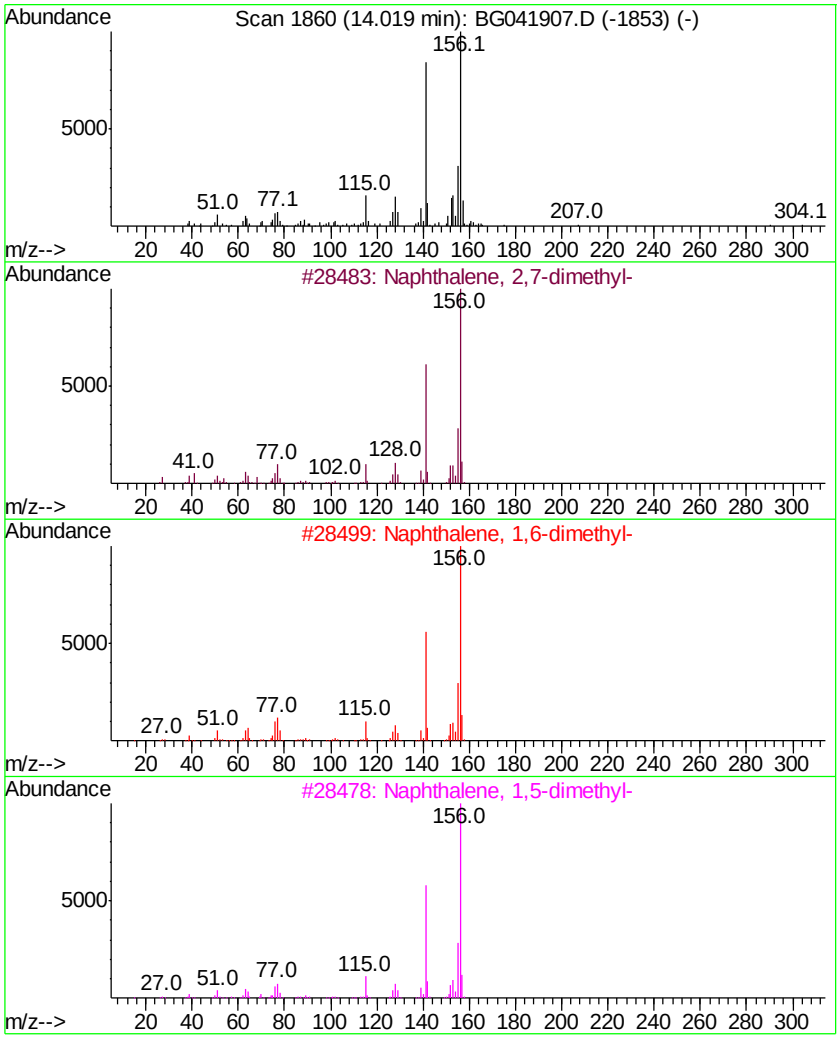
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

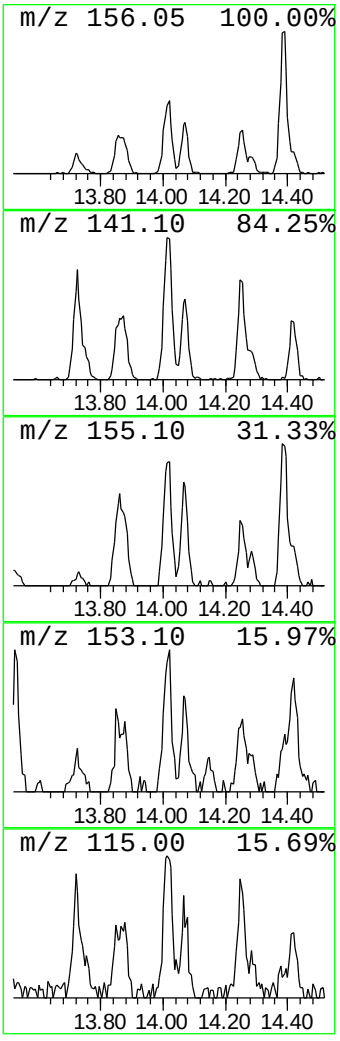
****

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.38 ng/ul	139736	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041907.D
Acq On : 3 Aug 2019 13:21
Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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

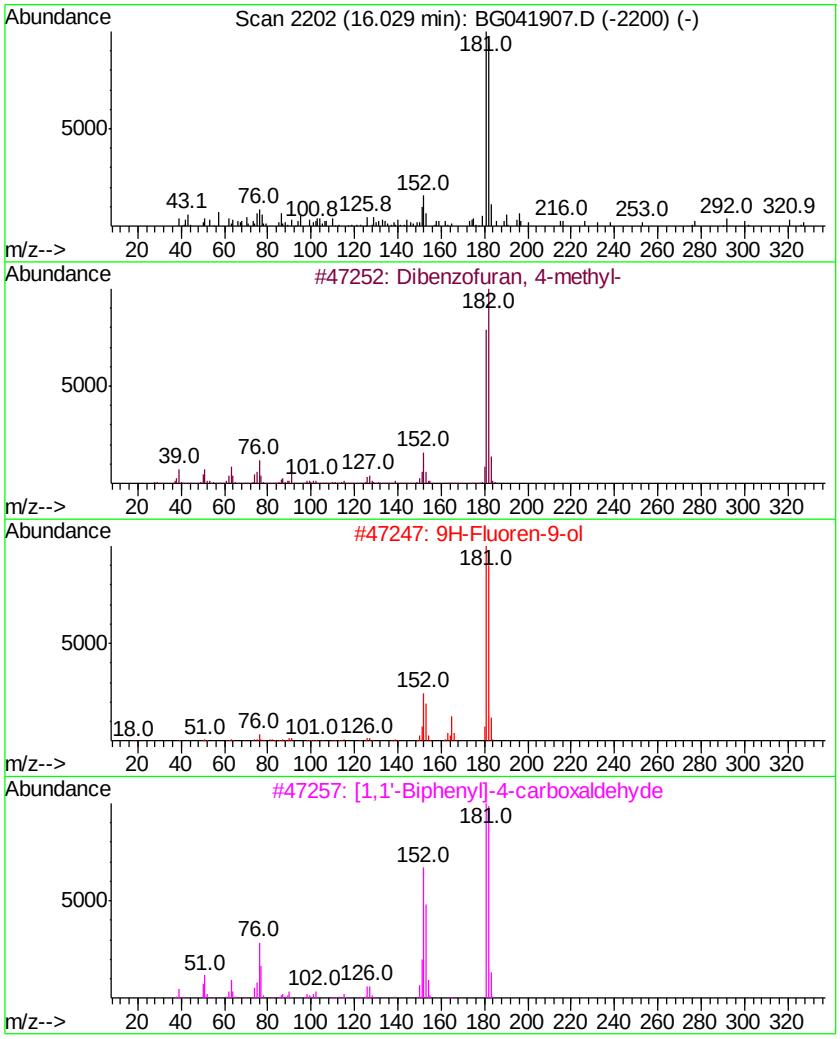
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

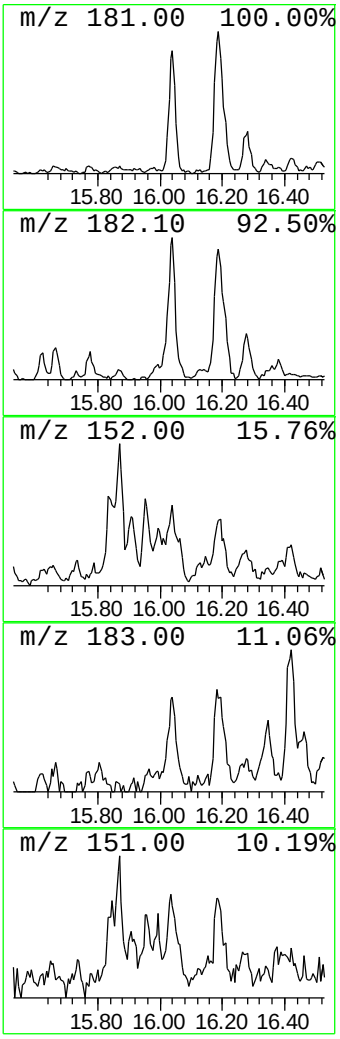
****

Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	2.58 ng/ul	151932	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





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Acq On : 3 Aug 2019 13:21
Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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Quant Title : SVOA CALIBRATION

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

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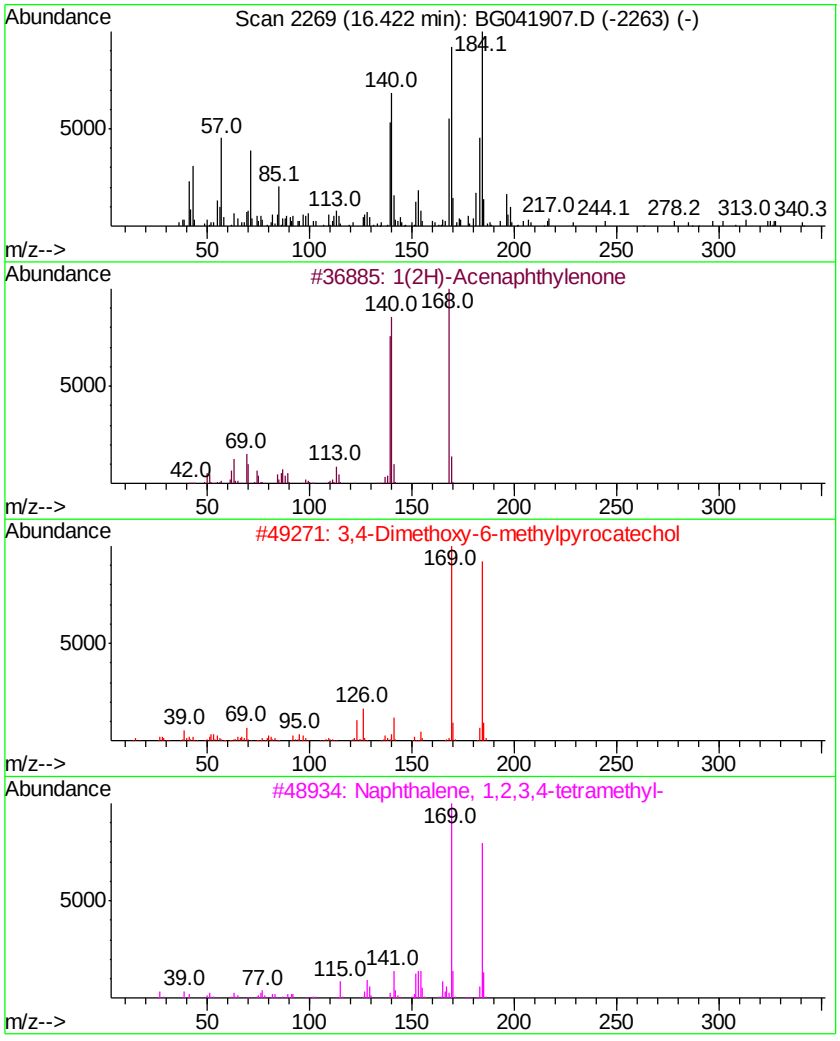
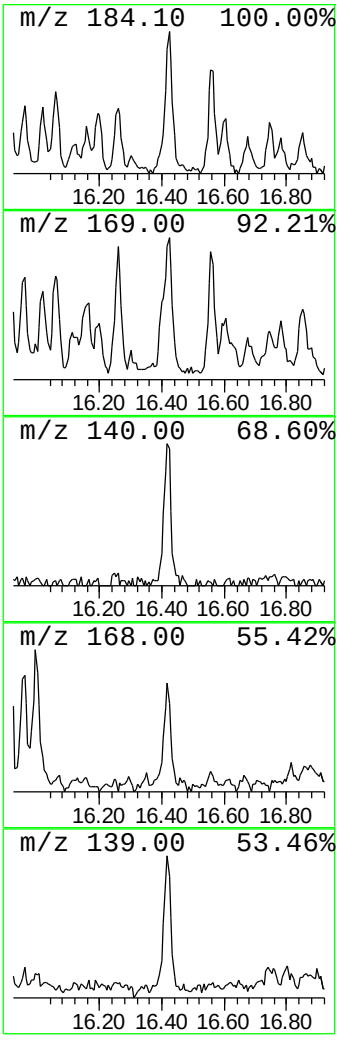
Peak Number 7 unknown-01 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	2.48 ng/ul	158489	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	45
2	3,4-Dimethoxy-6-methylpyrocatechol	184	C9H12O4	054826-79-8	30
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	30
4	Chamazulene	184	C14H16	000529-05-5	27
5	Toluene, 3-(2,2-dicyanoethenyl)	168	C11H8N2	015728-26-4	25





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Acq On : 3 Aug 2019 13:21
Operator : HP/JU
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Misc :
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Instrument : BNA_G
ClientSampleId : BENP5

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Quant Title : SVOA CALIBRATION

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

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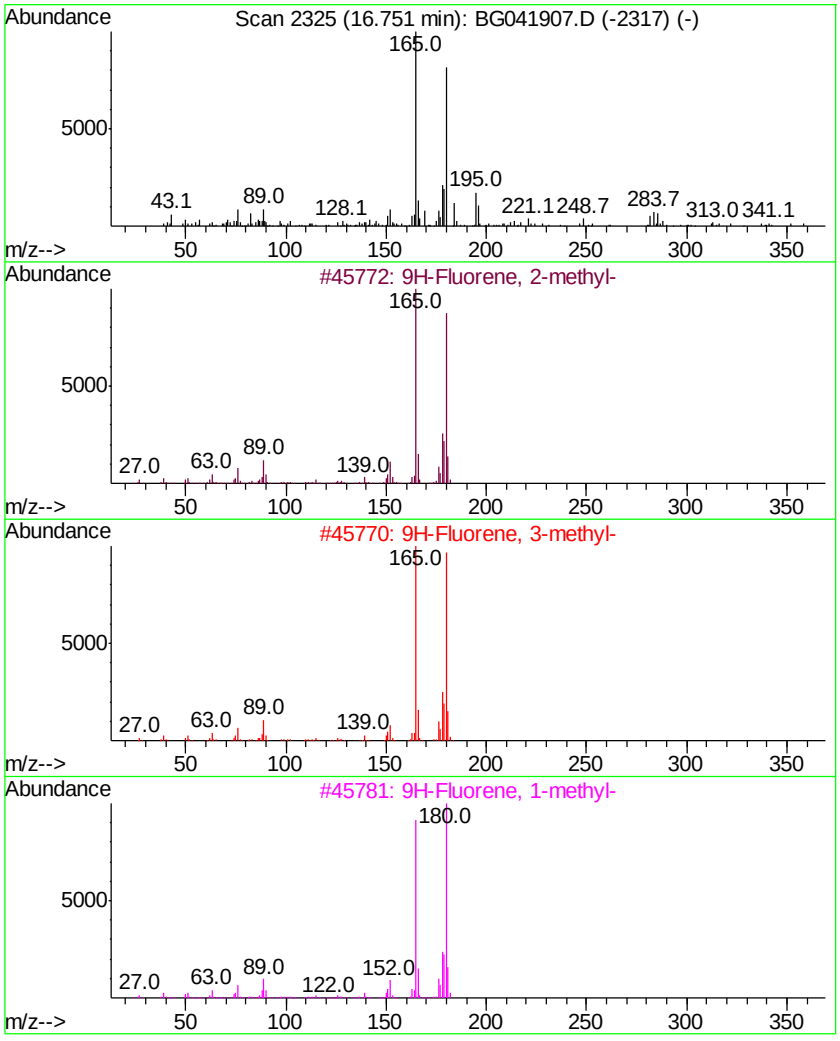
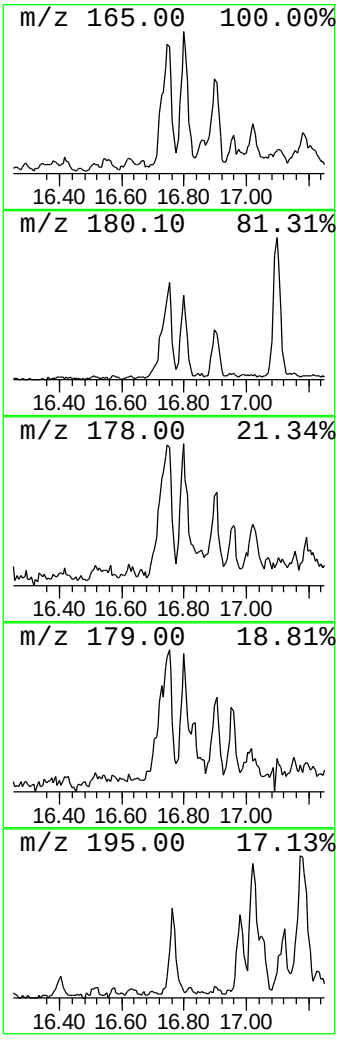
Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	2.73 ng/ul	174400	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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Quant Title : SVOA CALIBRATION

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

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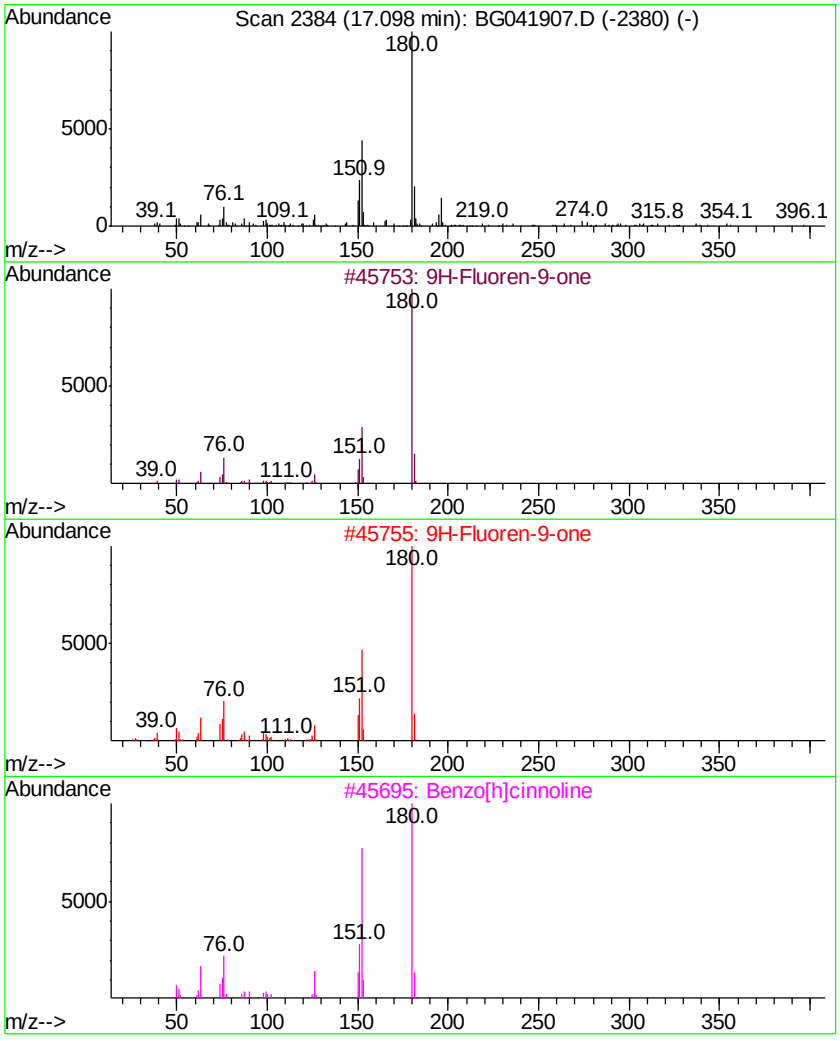
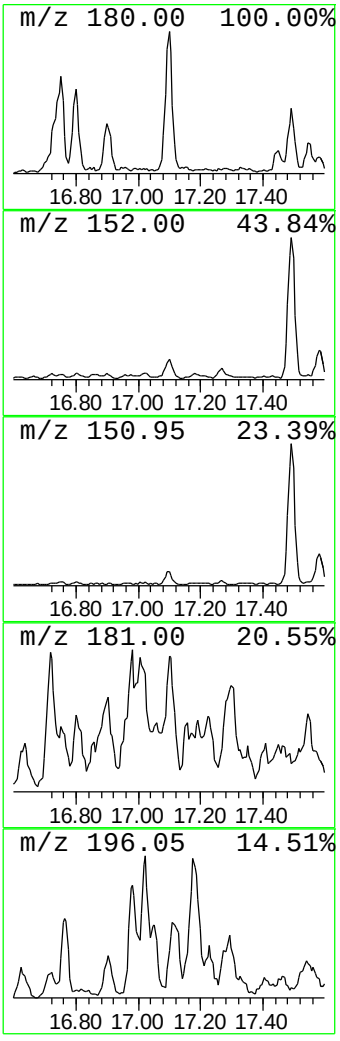
Peak Number 9 9H-Fluoren-9-one Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	2.19 ng/ul	139824	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	80
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64





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Acq On : 3 Aug 2019 13:21
Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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Quant Title : SVOA CALIBRATION

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

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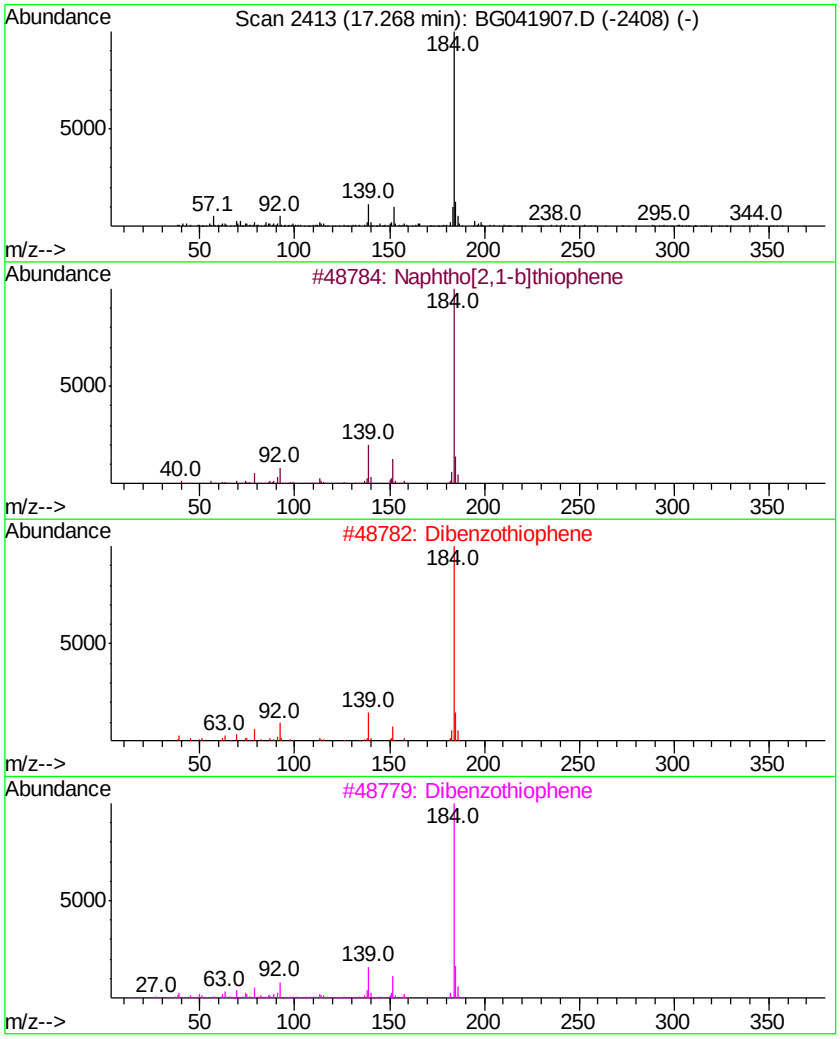
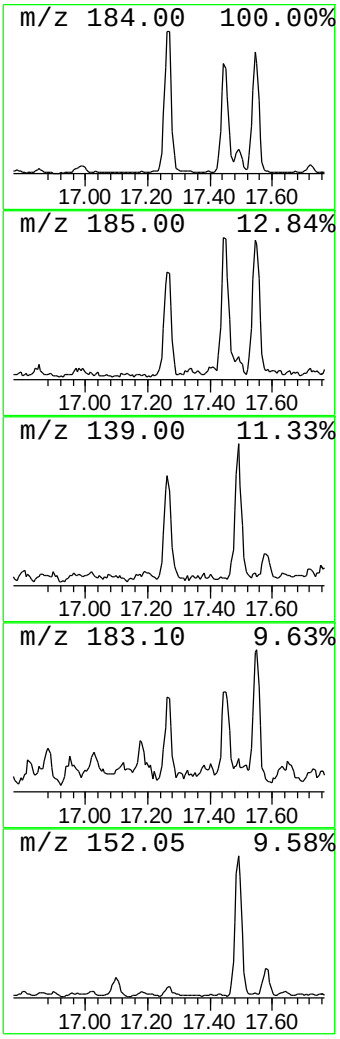
Peak Number 10 Naphtho[2,1-b]thiophene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	3.53 ng/ul	225216	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93





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Acq On : 3 Aug 2019 13:21
Operator : HP/JU
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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Quant Title : SVOA CALIBRATION

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

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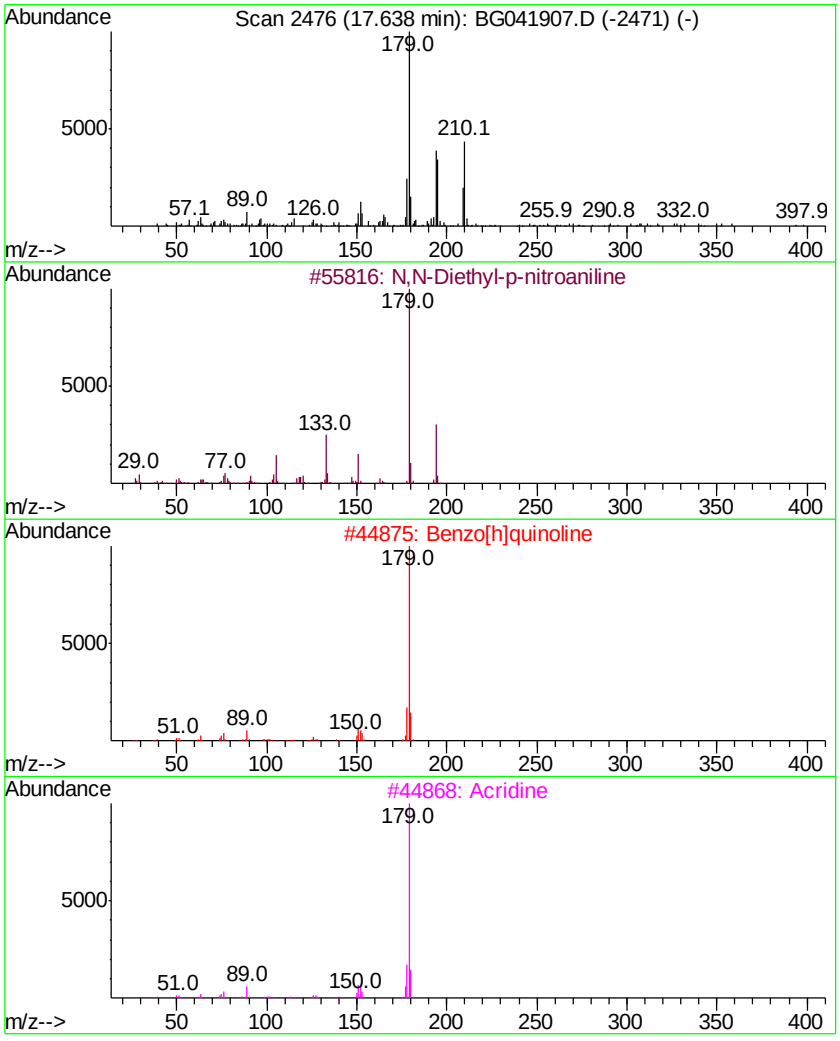
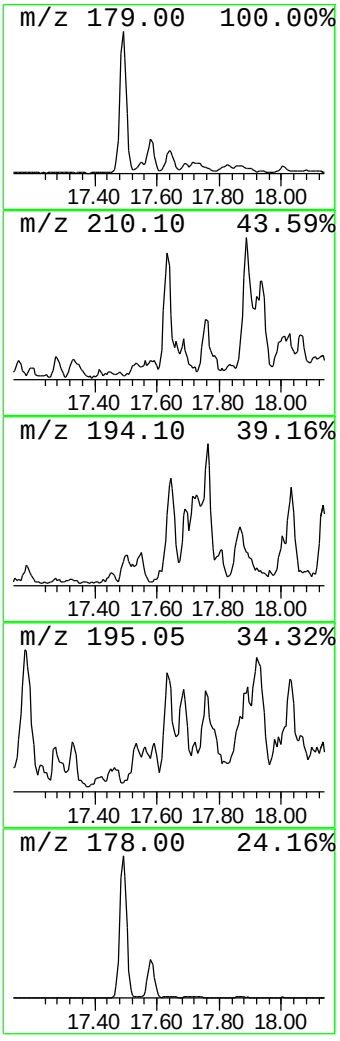
Peak Number 11 unknown-02 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	2.45 ng/ul	156356	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N-Diethyl-p-nitroaniline	194	C10H14N2O2	002216-15-1	46
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	46
3	Acridine	179	C13H9N	000260-94-6	46
4	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	46
5	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	46





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Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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Quant Title : SVOA CALIBRATION

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

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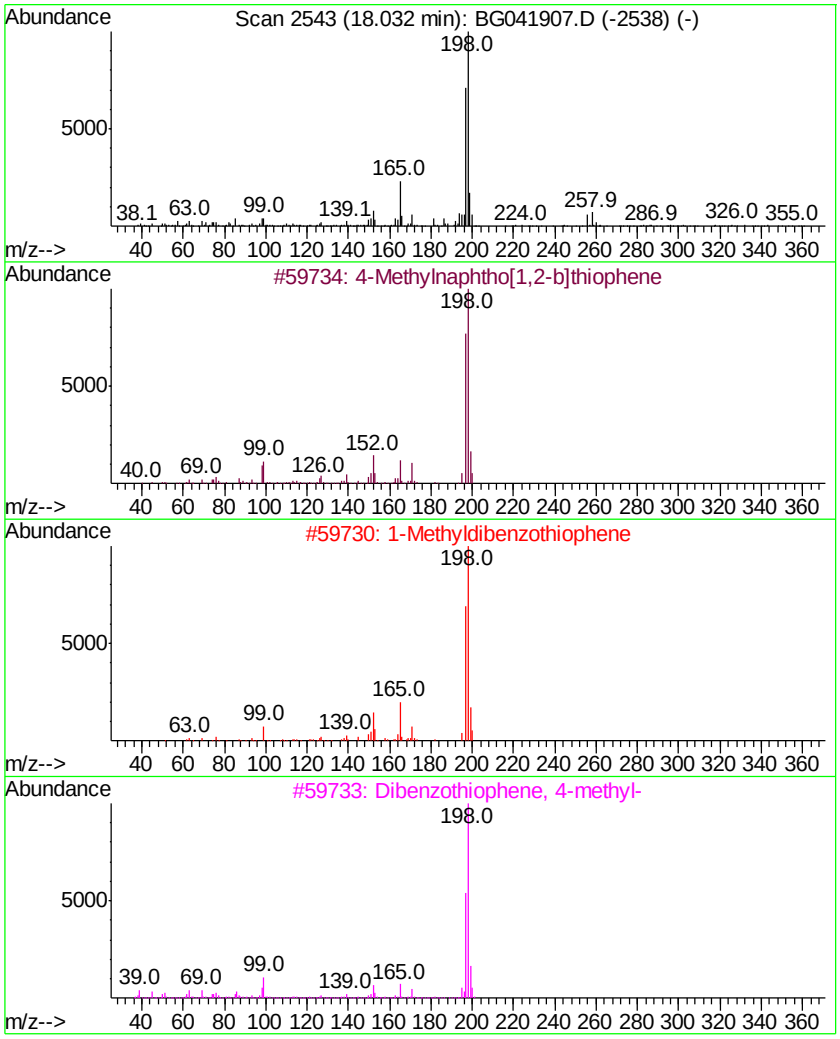
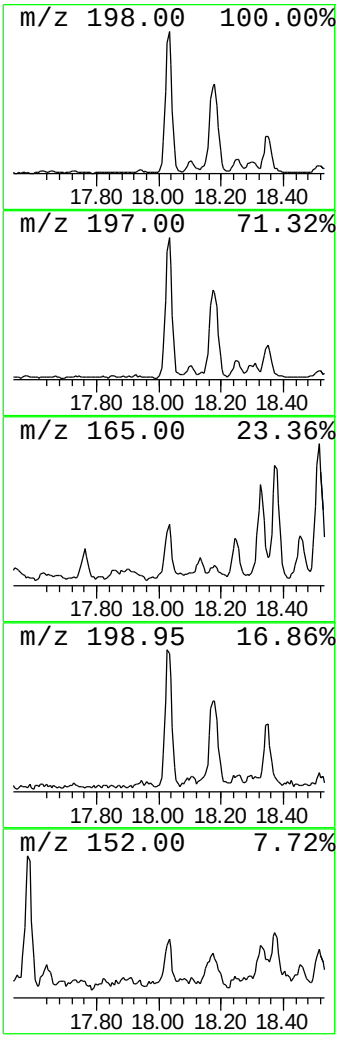
Peak Number 12 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	6.18 ng/ul	394028	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	89
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	76
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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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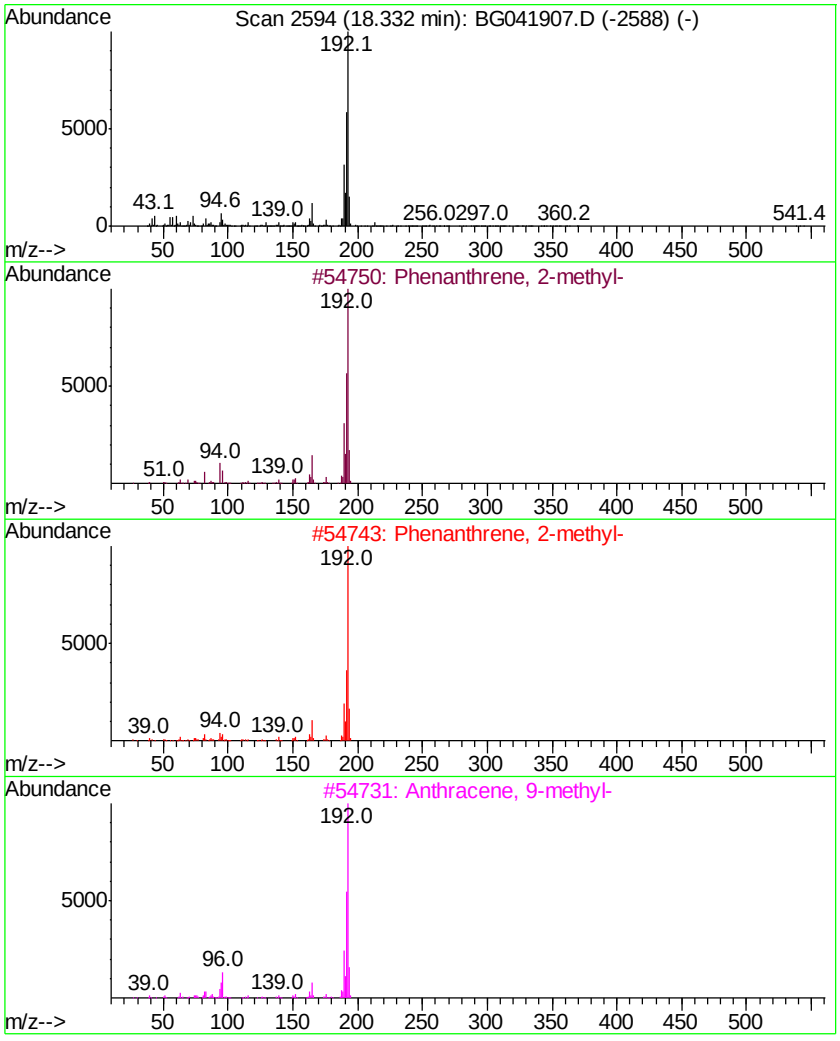
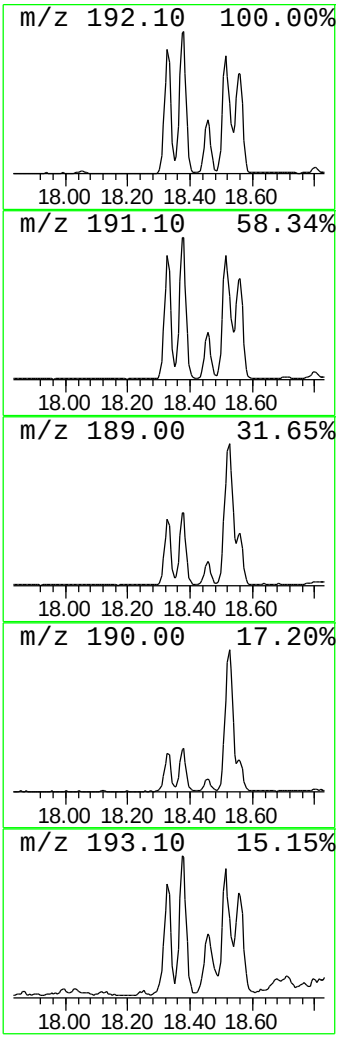
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	22.70 ng/ul	1448320	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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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 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	29.13 ng/ul	1858950	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
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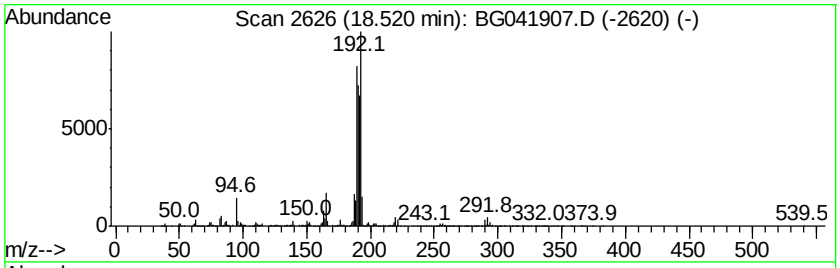

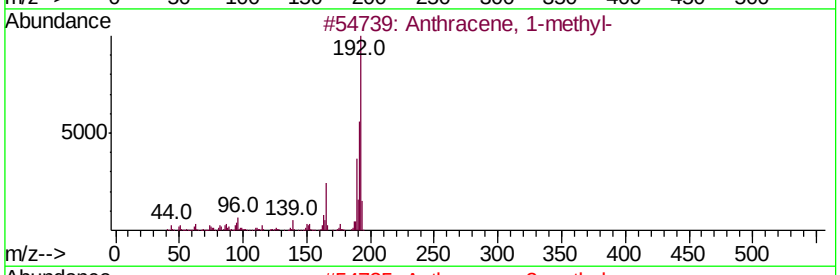

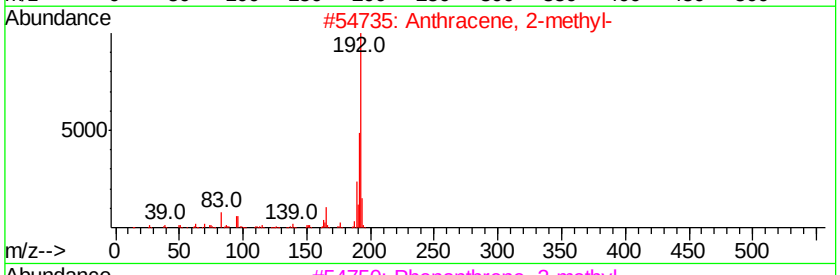

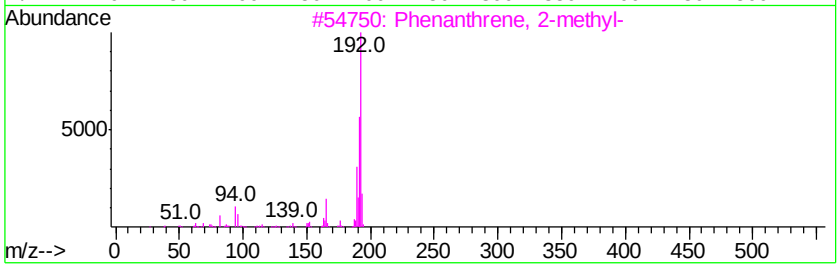

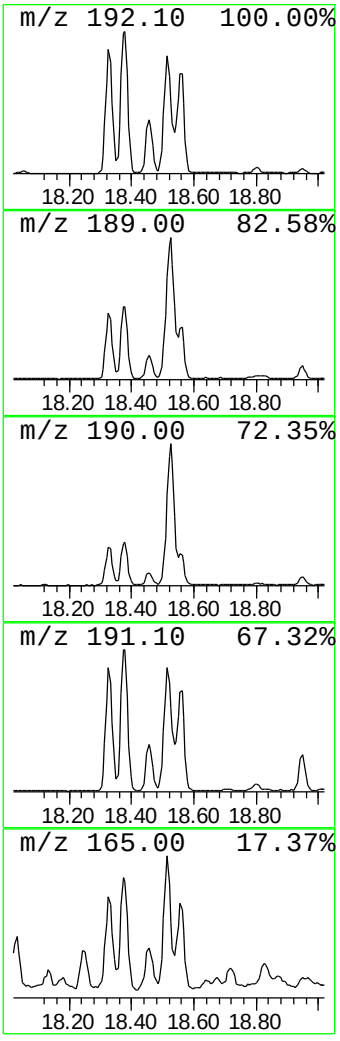

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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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Quant Title : SVOA CALIBRATION

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

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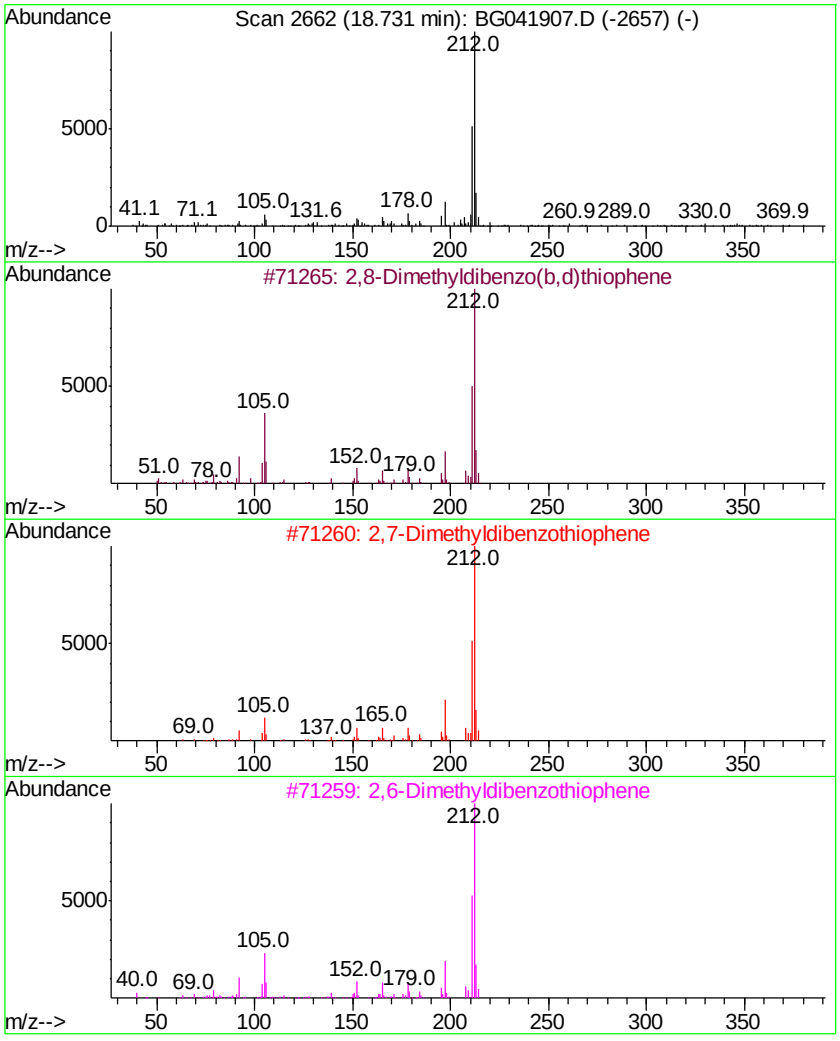
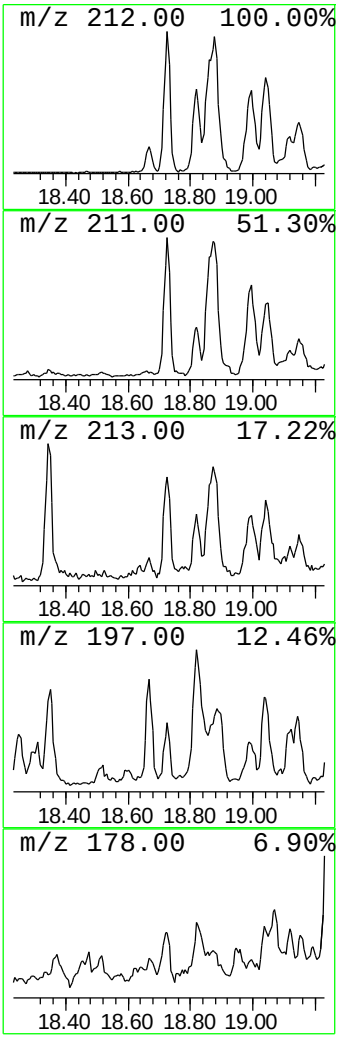
Peak Number 17 2,8-Dimethyldibenzo(b,d)thi... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	2.84 ng/ul	181406	Phenanthrene-d10	17.44

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





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Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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Quant Title : SVOA CALIBRATION

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

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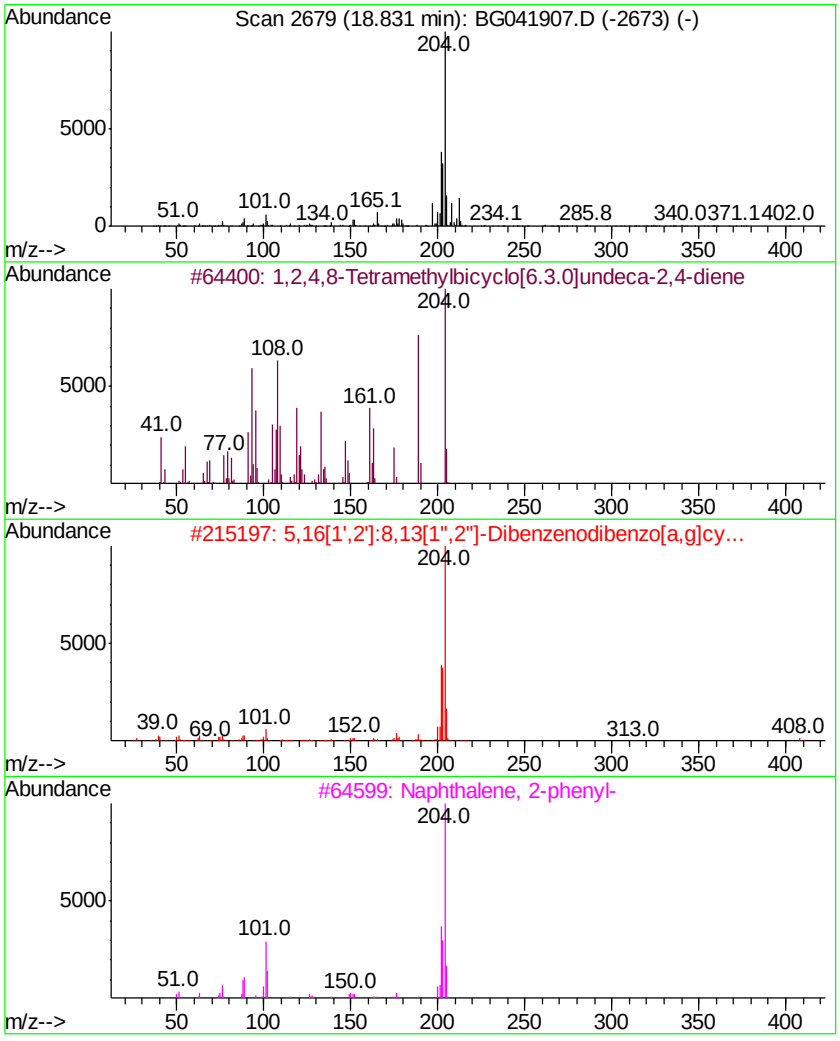
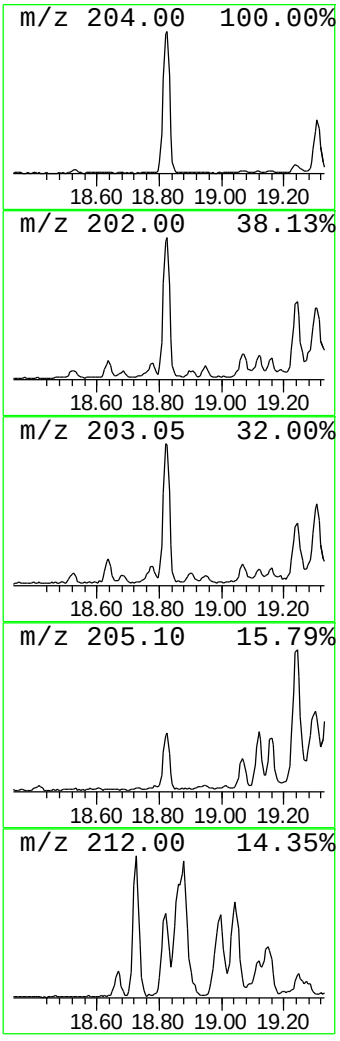
Peak Number 18 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	7.98 ng/ul	509126	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
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	53





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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Quant Title : SVOA CALIBRATION

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

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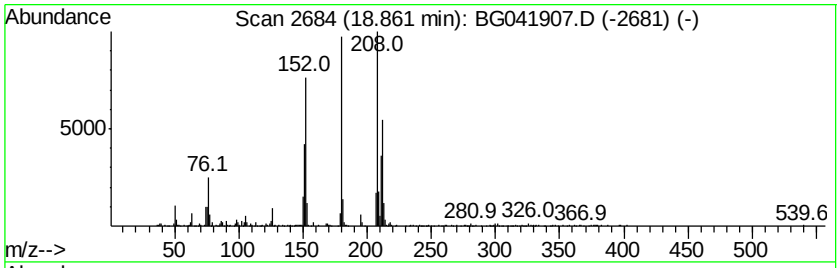
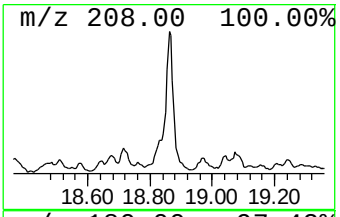
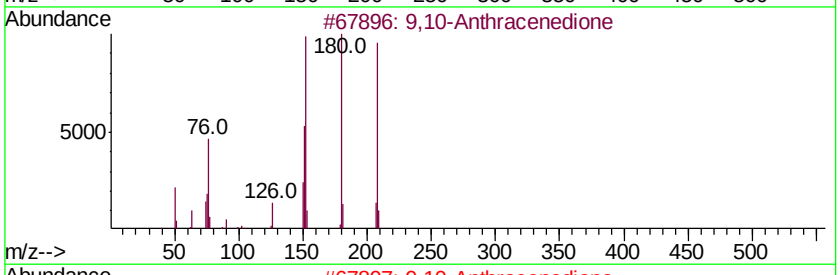
Peak Number 19 9,10-Anthracenedione Concentration Rank 9

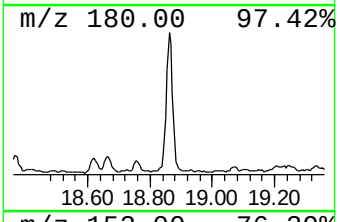
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	9.75 ng/ul	622341	Phenanthrene-d10	17.44

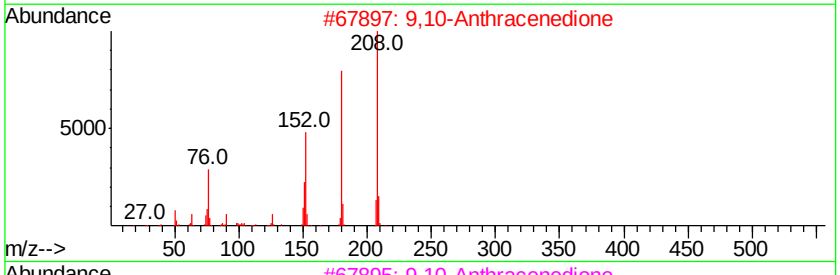
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	72
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60

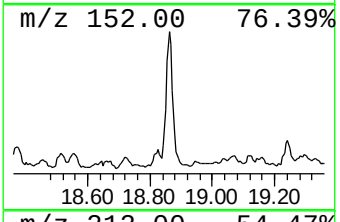


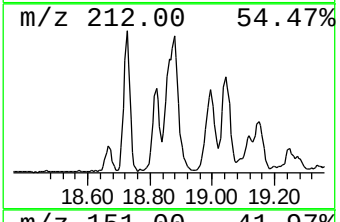


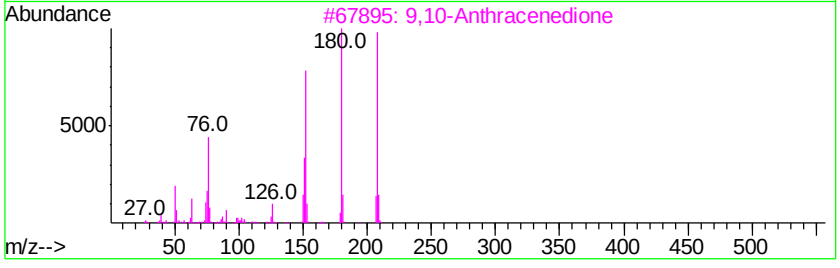


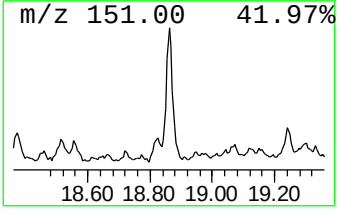












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Acq On : 3 Aug 2019 13:21
Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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Quant Title : SVOA CALIBRATION

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

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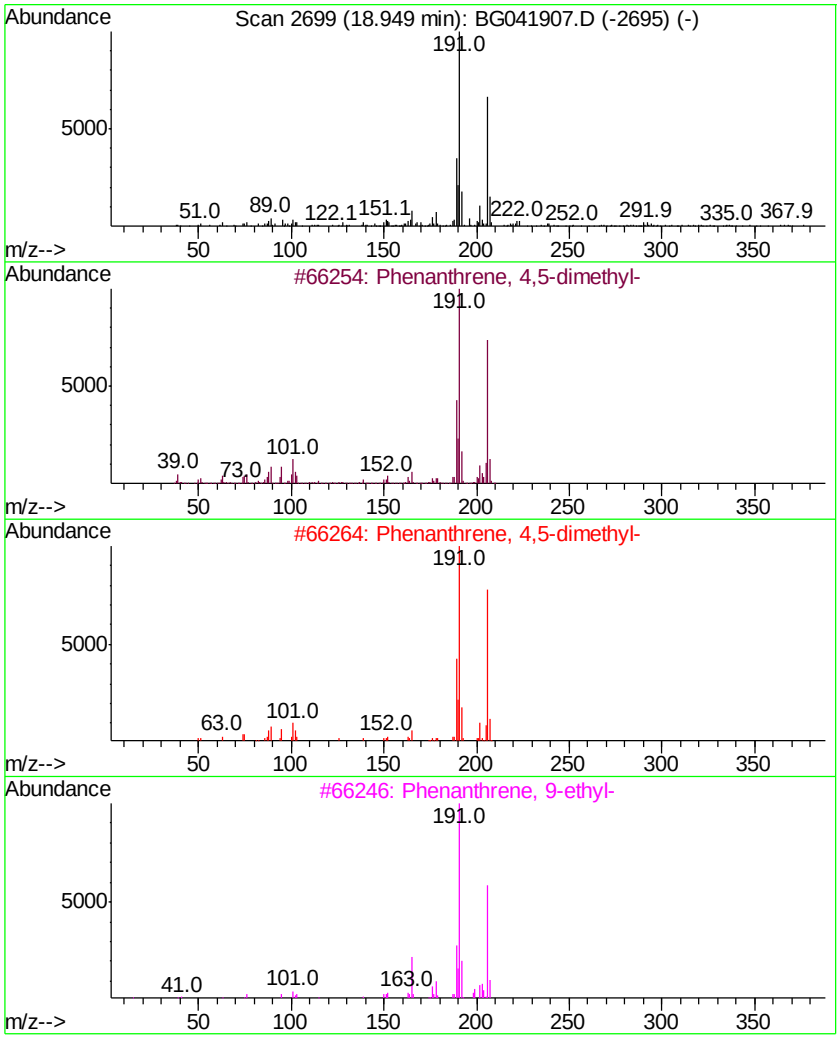
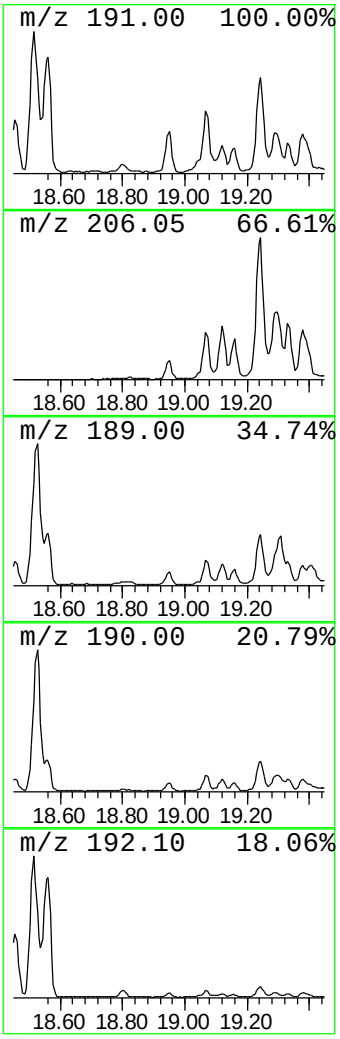
Peak Number 20 Phenanthrene, 4,5-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	3.15 ng/ul	201283	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
3	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	87
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	86





Library Search Compound Report

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Acq On : 3 Aug 2019 13:21
Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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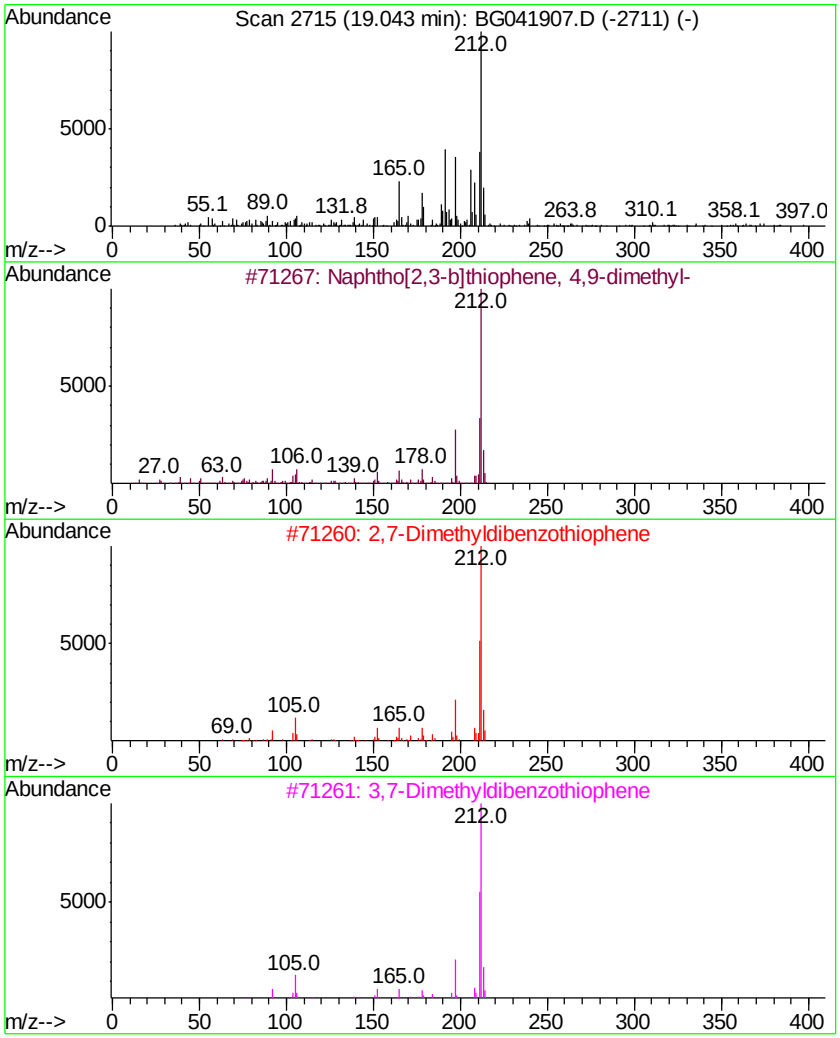
Quant Title : SVOA CALIBRATION

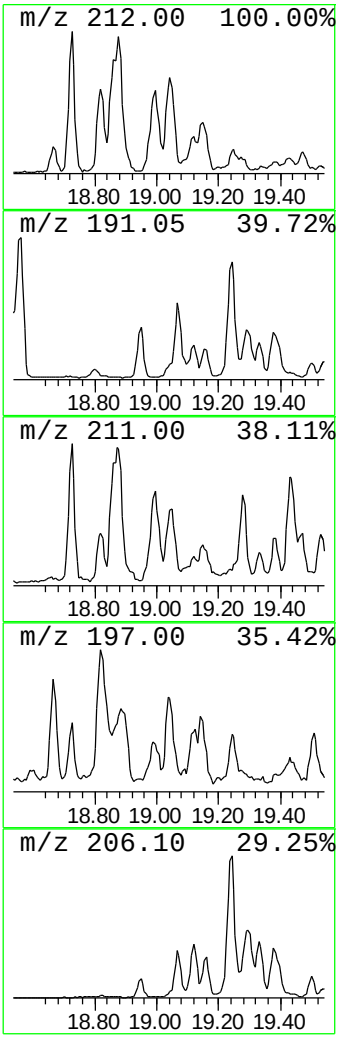
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Naphtho[2,3-b]thiophene, 4,... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	2.52 ng/ul	161087	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	58
2	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	55
3	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	49
4	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	49
5	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	43





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Acq On : 3 Aug 2019 13:21
Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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Quant Title : SVOA CALIBRATION

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

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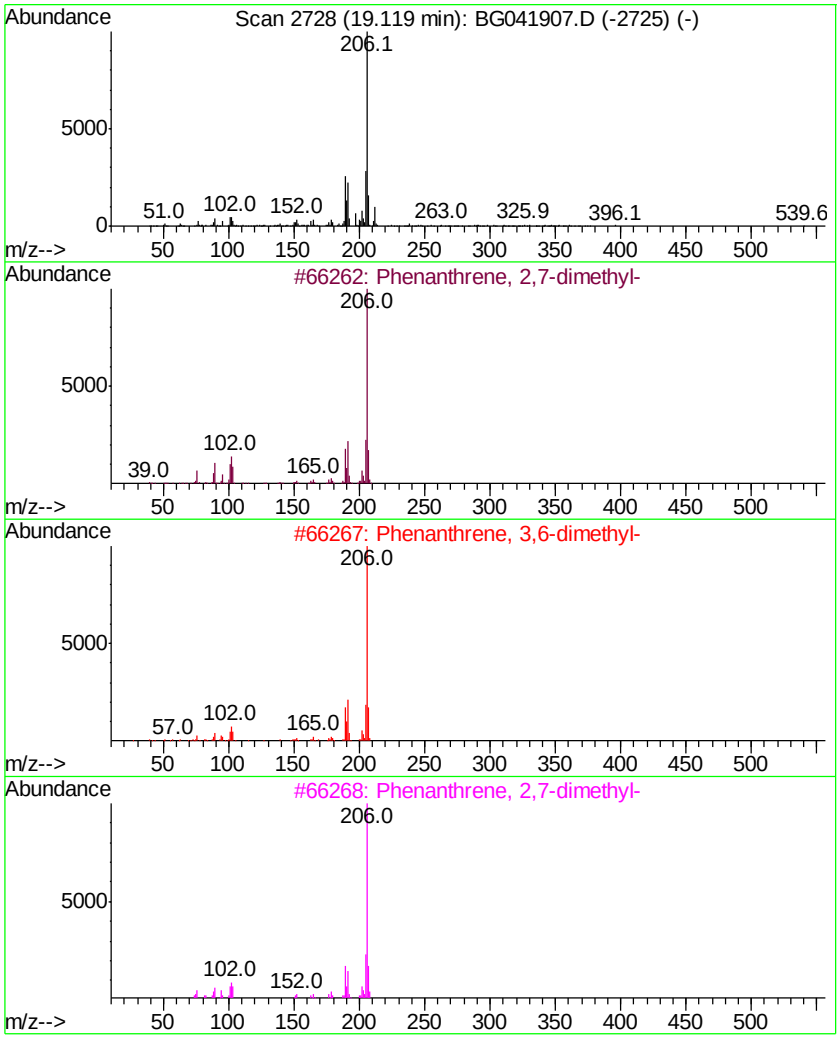
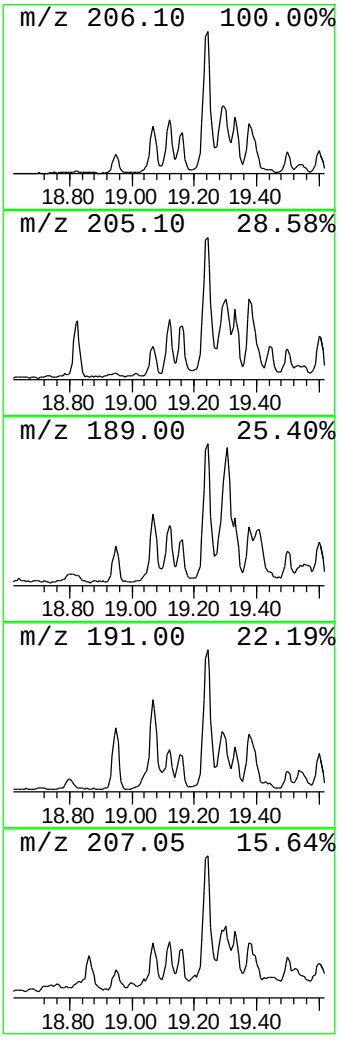
Peak Number 23 Phenanthrene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	5.34 ng/ul	341023	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	87





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Acq On : 3 Aug 2019 13:21
Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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Quant Title : SVOA CALIBRATION

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

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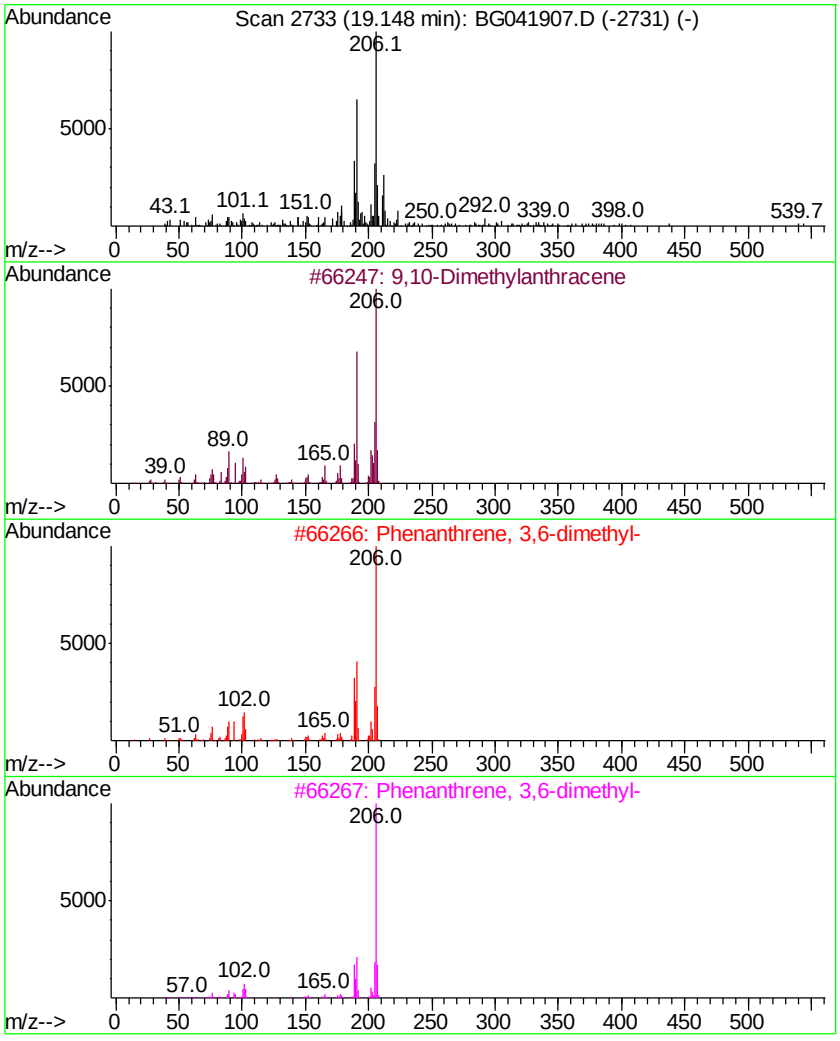
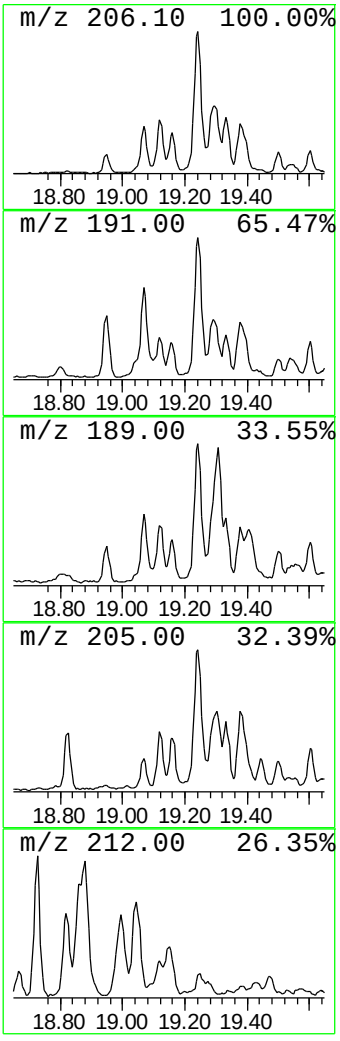
Peak Number 24 9,10-Dimethylanthracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	4.53 ng/ul	288952	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81





Library Search Compound Report

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Acq On : 3 Aug 2019 13:21
Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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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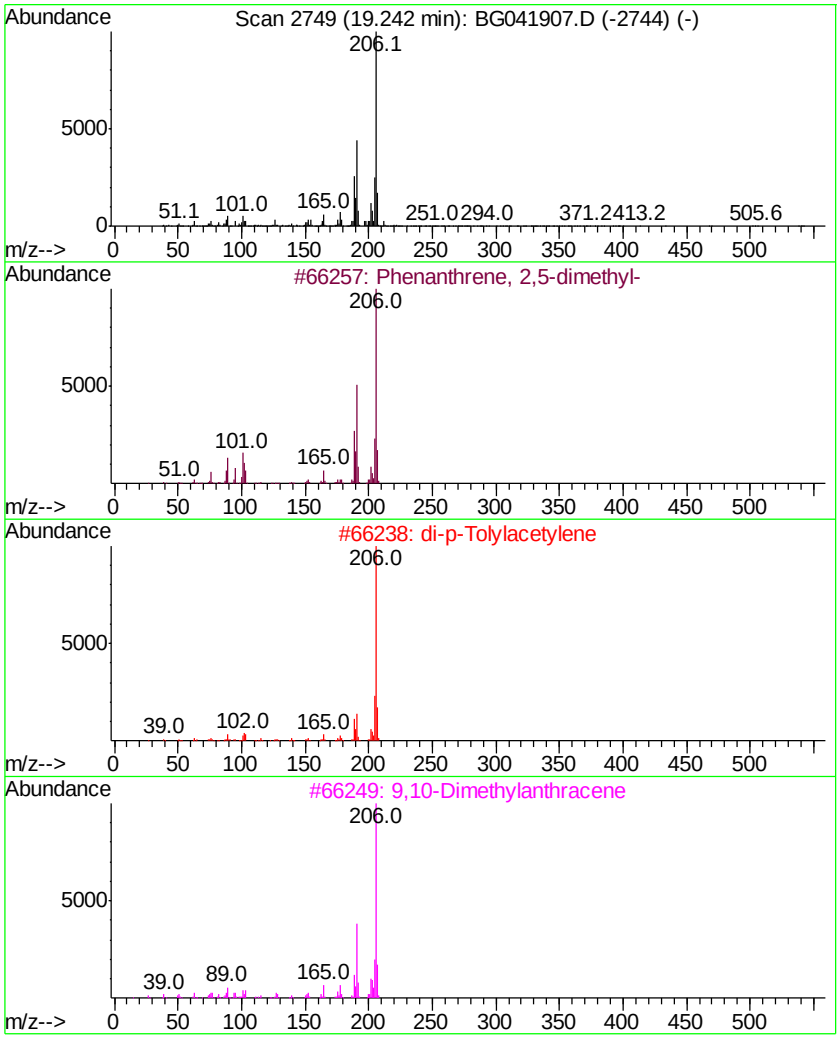
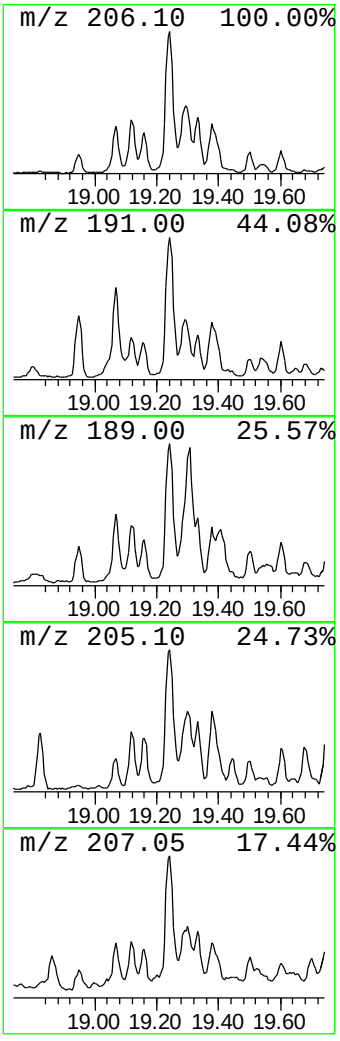
Peak Number 25 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	19.85 ng/ul	1266290	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	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





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Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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Quant Title : SVOA CALIBRATION

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

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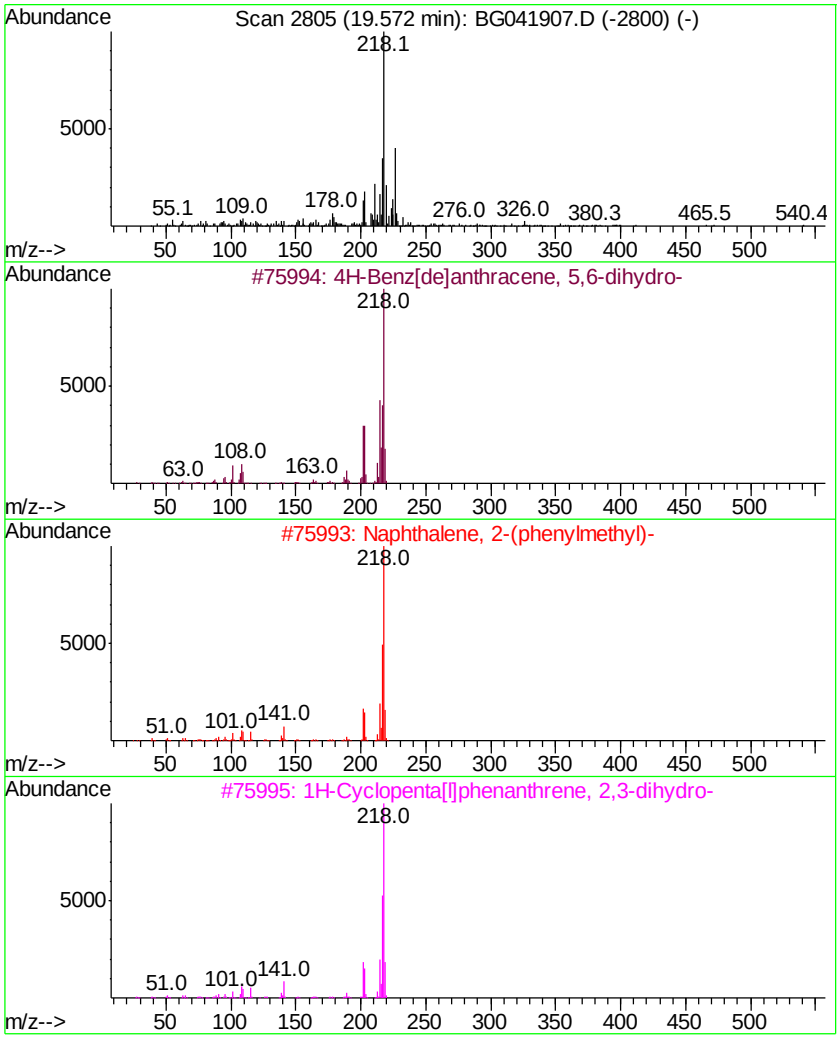
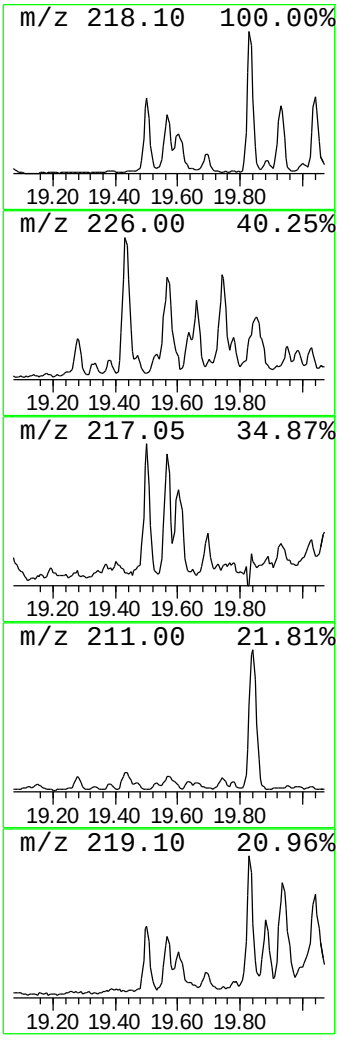
Peak Number 28 4H-Benz[de]anthracene, 5,6-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	5.46 ng/ul	348391	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Benz[de]anthracene, 5,6-dihydro-	218	C17H14	004389-09-7	62
2	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	49
3	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	47
4	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	47
5	1H-Pyrrolo[3,4-c]quinoline-1,3,4...	218	C11H10N2O3	181021-85-2	43





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Sample : K3850-06
Misc :
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Instrument : BNA_G
ClientSampleId : BENP5

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Quant Title : SVOA CALIBRATION

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

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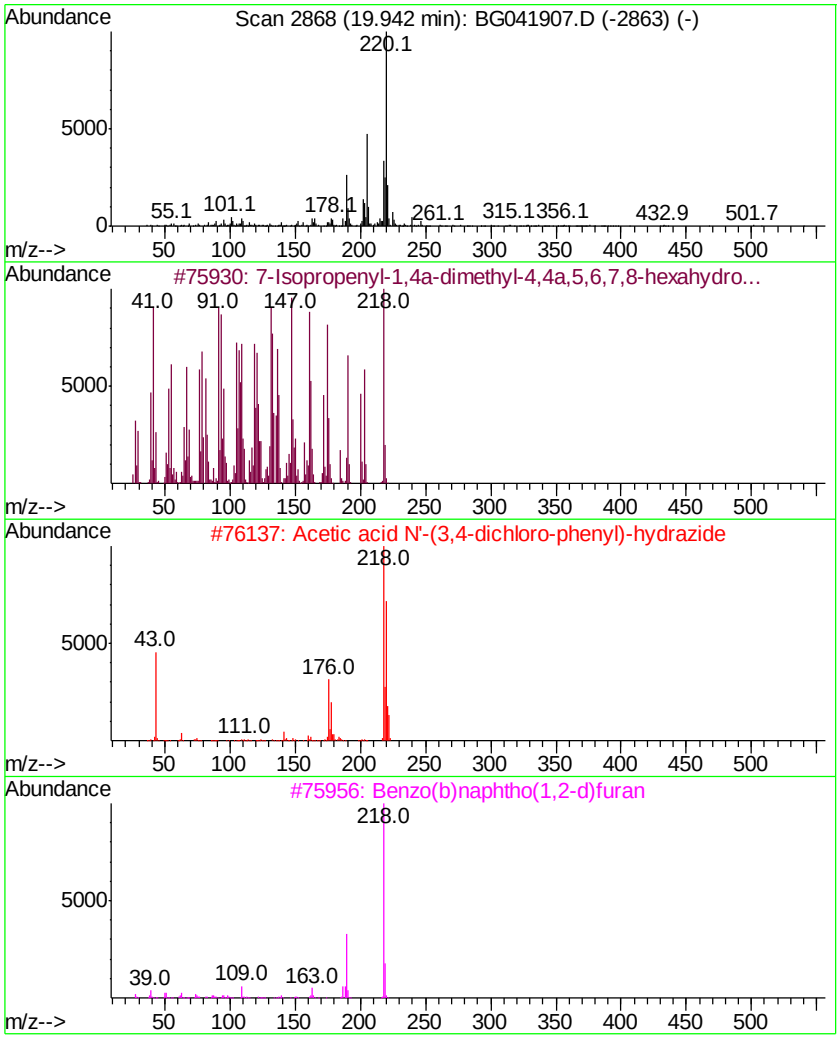
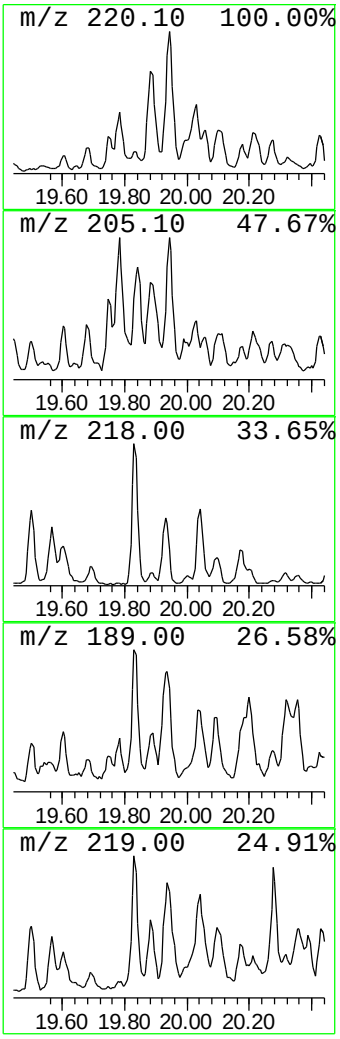
Peak Number 29 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.10 ng/ul	646517	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	68
2	Acetic acid N'-(3,4-dichloro-phe...	218	C8H8Cl2N2O	1000294-80-9	47
3	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	42
4	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	38
5	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	38





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Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

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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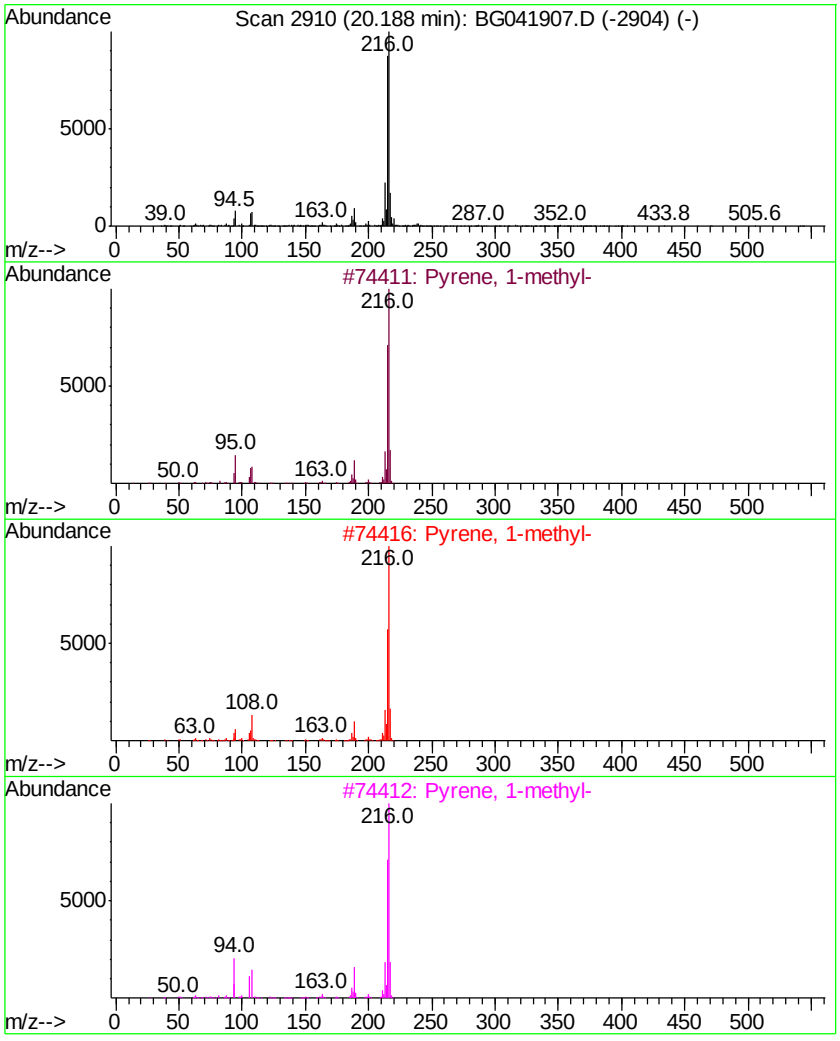
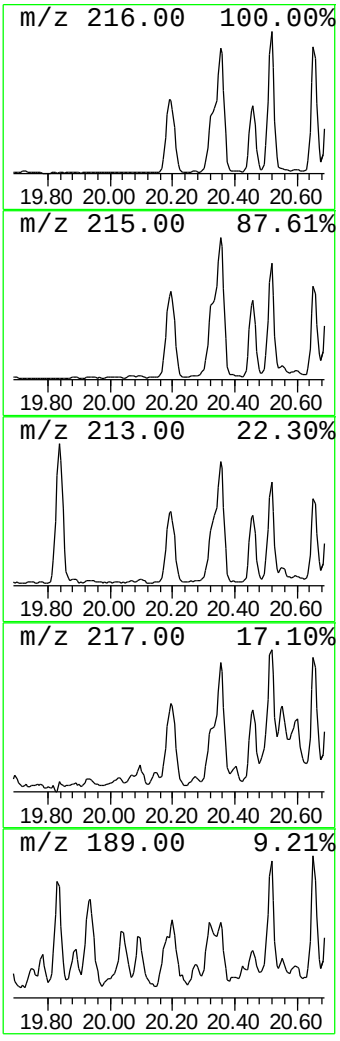
Peak Number 30 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	5.01 ng/ul	1545350	Chrysene-d12	21.74

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	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Instrument : BNA_G
ClientSampleId : BENP5

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Quant Title : SVOA CALIBRATION

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

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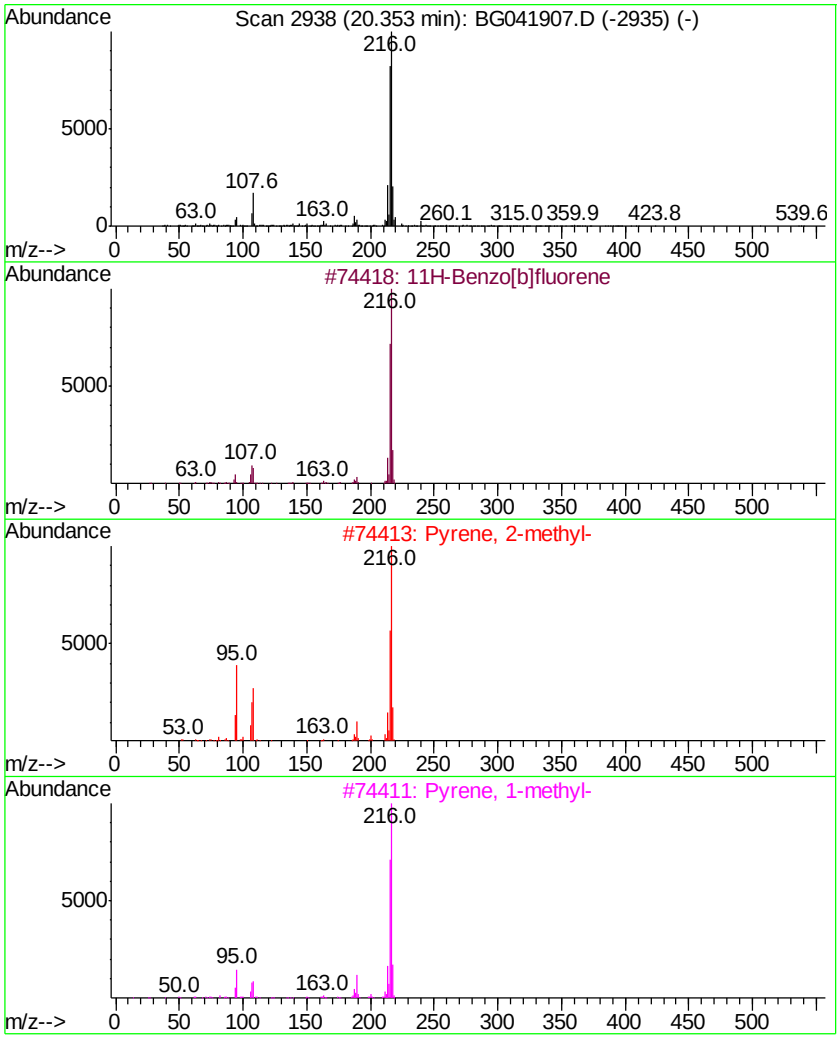
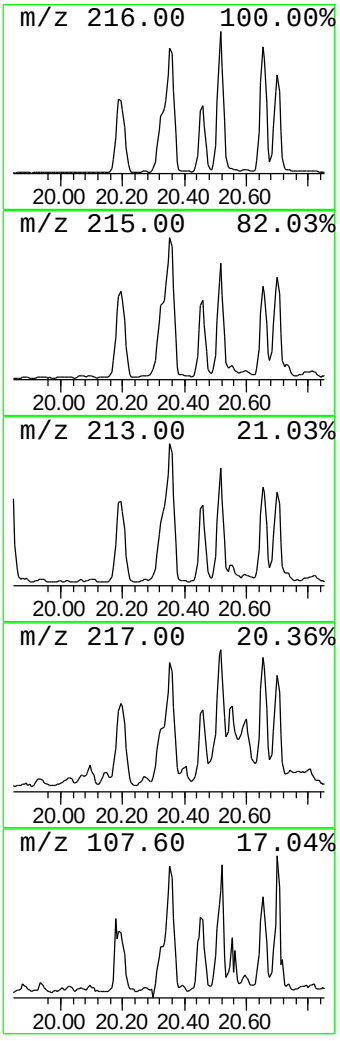
Peak Number 31 11H-Benzo[b]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.35	4.21 ng/ul	1297320	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Quant Title : SVOA CALIBRATION

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

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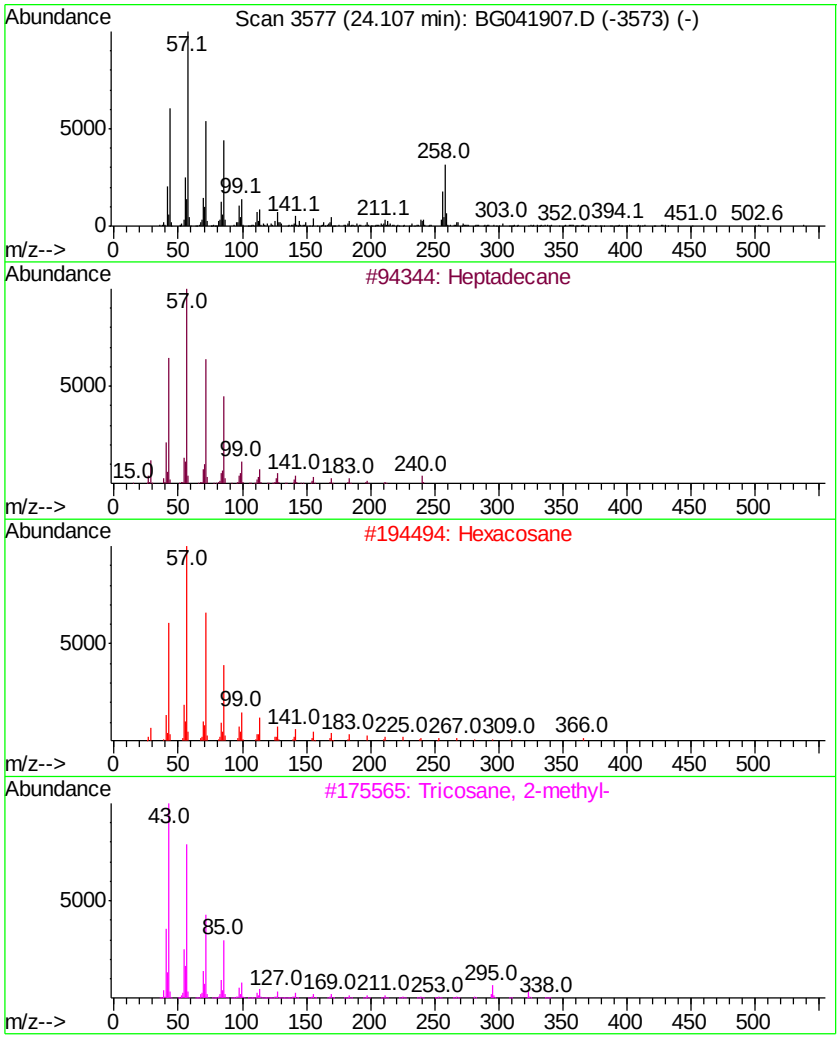
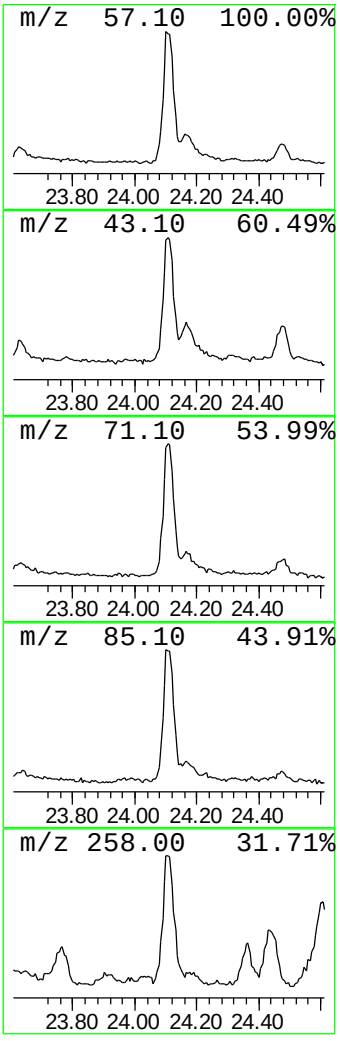
Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.11	3.24 ng/ul	587803	Perylene-d12	25.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Hexacosane	366	C26H54	000630-01-3	95
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	89
4	Octacosane	394	C28H58	000630-02-4	87
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
Data File : BG041907.D
Acq On : 3 Aug 2019 13:21
Operator : HP/JU
Sample : K3850-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP5

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	99.3	ng/ul	2745620	1	8.04	552722	20.0
Methacrylamide	3.95	3.0	ng/ul	83008	1	8.04	552722	20.0
Naphthalene, 1-me...	12.74	2.5	ng/ul	99476	2	10.86	801160	20.0
Naphthalene, 2,7-...	14.02	2.4	ng/ul	139736	3	14.69	1175690	20.0
Dibenzofuran, 4-m...	16.03	2.6	ng/ul	151932	3	14.69	1175690	20.0
unknown-01	16.42	2.5	ng/ul	158489	4	17.44	1276110	20.0
9H-Fluorene, 2-me...	16.75	2.7	ng/ul	174400	4	17.44	1276110	20.0
9H-Fluoren-9-one	17.10	2.2	ng/ul	139824	4	17.44	1276110	20.0
Naphtho[2,1-b]thi...	17.27	3.5	ng/ul	225216	4	17.44	1276110	20.0
unknown-02	17.64	2.5	ng/ul	156356	4	17.44	1276110	20.0
4-Methylnaphtho[1...	18.03	6.2	ng/ul	394028	4	17.44	1276110	20.0
Phenanthrene, 2-m...	18.33	22.7	ng/ul	1448320	4	17.44	1276110	20.0
Anthracene, 1-met...	18.52	29.1	ng/ul	1858950	4	17.44	1276110	20.0
2,8-Dimethyldiben...	18.73	2.8	ng/ul	181406	4	17.44	1276110	20.0
1,2,4,8-Tetrameth...	18.83	8.0	ng/ul	509126	4	17.44	1276110	20.0
9,10-Anthracenedione	18.86	9.8	ng/ul	622341	4	17.44	1276110	20.0
Phenanthrene, 4,5...	18.95	3.1	ng/ul	201283	4	17.44	1276110	20.0
Naphtho[2,3-b]thi...	19.04	2.5	ng/ul	161087	4	17.44	1276110	20.0
Phenanthrene, 2,7...	19.12	5.3	ng/ul	341023	4	17.44	1276110	20.0
9,10-Dimethylanth...	19.15	4.5	ng/ul	288952	4	17.44	1276110	20.0
Phenanthrene, 2,5...	19.24	19.9	ng/ul	1266290	4	17.44	1276110	20.0
4H-Benz[de]anthra...	19.57	5.5	ng/ul	348391	4	17.44	1276110	20.0
7-Isopropenyl-1,4...	19.94	2.1	ng/ul	646517	5	21.74	6165900	20.0
Pyrene, 1-methyl-	20.19	5.0	ng/ul	1545350	5	21.74	6165900	20.0
11H-Benzo[b]fluorene	20.35	4.2	ng/ul	1297320	5	21.74	6165900	20.0
(DEL) Alkane: Str...	24.11	3.2	ng/ul	587803	6	25.02	3632340	20.0