LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041948.D
Acq On : 4 Aug 2019 18:53
Operator : HP/JU
Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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	3.157	7	12	32	rVB	1215088	2027199	100.00%	7.991%
2	3.416	54	56	64	rVB6	8020	12971	0.64%	0.051%
3	3.951	142	147	154	rBV3	11460	19822	0.98%	0.078%
4	4.086	165	170	177	rVB3	8876	16917	0.83%	0.067%
5	7.182	690	697	711	rBV	150218	299865	14.79%	1.182%
6	7.352	719	726	736	rBV	106688	188834	9.32%	0.744%
7	7.564	755	762	772	rBV	162088	294749	14.54%	1.162%
8	8.034	835	842	851	rBV	221451	388152	19.15%	1.530%
9	8.739	955	962	974	rBV	178046	332742	16.41%	1.312%
10	9.203	1032	1041	1050	rBV	143594	282110	13.92%	1.112%
11	9.932	1158	1165	1177	rBV	128428	243411	12.01%	0.960%
12	10.478	1250	1258	1275	rBV	201111	406635	20.06%	1.603%
13	10.860	1316	1323	1337	rBV	312104	582910	28.75%	2.298%
14	10.989	1337	1345	1359	rVV	144555	291739	14.39%	1.150%
15	12.517	1601	1605	1613	rVB2	9266	16739	0.83%	0.066%
16	12.740	1637	1643	1651	rVB2	10641	16974	0.84%	0.067%
17	14.015	1852	1860	1866	rBV3	14511	25856	1.28%	0.102%
18	14.092	1866	1873	1878	rVV	397461	609114	30.05%	2.401%
19	14.139	1878	1881	1893	rVV	168445	253765	12.52%	1.000%
20	14.250	1896	1900	1904	rVV4	7293	12643	0.62%	0.050%
21	14.385	1916	1923	1938	rBV	463879	760668	37.52%	2.999%
22	14.697	1966	1976	1982	rBV2	515125	816341	40.27%	3.218%
23	14.761	1982	1987	1994	rVV	27953	51181	2.52%	0.202%
24	14.879	2001	2007	2014	rVV	103695	204831	10.10%	0.807%
25	14.944	2014	2018	2024	rVV5	18535	43518	2.15%	0.172%
26	15.002	2024	2028	2032	rVV5	10424	21651	1.07%	0.085%
27	15.096	2038	2044	2051	rVV4	24254	46852	2.31%	0.185%
28	15.167	2051	2056	2062	rVB	9068	15536	0.77%	0.061%
29	15.314	2073	2081	2087	rBV4	7870	14165	0.70%	0.056%
30	15.490	2104	2111	2114	rBV5	8551	16862	0.83%	0.066%
31	15.690	2135	2145	2151	rVV	630841	973593	48.03%	3.838%
32	15.743	2151	2154	2158	rVV2	30829	43407	2.14%	0.171%
33	15.801	2158	2164	2173	rVV	115223	200891	9.91%	0.792%
34	15.866	2173	2175	2179	rVV	11391	17342	0.86%	0.068%

LSC Area Percent Report

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Data File : BG041948.D
Acq On : 4 Aug 2019 18:53
Operator : HP/JU
Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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	15.913	2179	2183	2184	rVV3	11473	16256	0.80%	0.064%
36	15.954	2188	2190	2194	rVV3	9729	12982	0.64%	0.051%
37	16.036	2200	2204	2214	rVB5	10249	25545	1.26%	0.101%
38	16.189	2226	2230	2237	rVB7	7123	15915	0.79%	0.063%
39	16.318	2249	2252	2260	rVB5	9119	15887	0.78%	0.063%
40	16.418	2264	2269	2276	rVB6	18490	35330	1.74%	0.139%
41	16.736	2316	2323	2324	rBV5	11490	22160	1.09%	0.087%
42	16.747	2324	2325	2330	rVV4	12452	15385	0.76%	0.061%
43	16.800	2330	2334	2340	rVB3	15719	23755	1.17%	0.094%
44	16.971	2356	2363	2365	rBV5	10800	23107	1.14%	0.091%
45	17.023	2368	2372	2375	rVB5	11426	15223	0.75%	0.060%
46	17.100	2380	2385	2392	rVB4	18429	31515	1.55%	0.124%
47	17.176	2392	2398	2399	rBV5	10104	13811	0.68%	0.054%
48	17.206	2400	2403	2409	rVV7	12529	20638	1.02%	0.081%
49	17.264	2409	2413	2421	rVB	26272	42408	2.09%	0.167%
50	17.447	2434	2444	2448	rBV2	633036	997579	49.21%	3.932%
51	17.488	2448	2451	2456	rVB	319961	432420	21.33%	1.705%
52	17.546	2456	2461	2466	rBV	658898	976242	48.16%	3.848%
53	17.635	2472	2476	2483	rVB7	13733	27475	1.36%	0.108%
54	17.758	2494	2497	2501	rVB6	10703	16236	0.80%	0.064%
55	17.852	2504	2513	2515	rBV	14084	27995	1.38%	0.110%
56	17.969	2530	2533	2536	rVB	12544	16269	0.80%	0.064%
57	18.034	2538	2544	2549	rVV	41930	63051	3.11%	0.249%
58	18.169	2564	2567	2573	rVB	16390	28179	1.39%	0.111%
59	18.246	2576	2580	2584	rBV6	13911	19481	0.96%	0.077%
60	18.328	2589	2594	2598	rVV	147642	274030	13.52%	1.080%
61	18.375	2598	2602	2607	rVV	172257	254467	12.55%	1.003%
62	18.457	2610	2616	2621	rBV	47021	76275	3.76%	0.301%
63	18.516	2621	2626	2631	rVV2	164816	331985	16.38%	1.309%
64	18.557	2631	2633	2641	rVB	113682	138293	6.82%	0.545%
65	18.639	2643	2647	2650	rBV6	18026	27605	1.36%	0.109%
66	18.721	2657	2661	2665	rBV3	25015	33740	1.66%	0.133%
67	18.821	2673	2678	2681	rBV2	76303	112561	5.55%	0.444%
68	18.857	2681	2684	2695	rVB3	56457	119720	5.91%	0.472%
69	18.945	2695	2699	2704	rBV	31081	49410	2.44%	0.195%
70	19.068	2711	2720	2725	rBV2	61569	127854	6.31%	0.504%
71	19.121	2725	2729	2732	rBV	40324	49045	2.42%	0.193%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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	19.156	2732	2735	2740	rVB2	36132	46554	2.30%	0.184%
73	19.239	2744	2749	2754	rBV	146600	255479	12.60%	1.007%
74	19.380	2768	2773	2780	rBV3	70409	153236	7.56%	0.604%
75	19.503	2789	2794	2800	rVB	502444	687361	33.91%	2.710%
76	19.562	2800	2804	2807	rBV3	33536	51658	2.55%	0.204%
77	19.603	2808	2811	2815	rVB3	38298	48404	2.39%	0.191%
78	19.691	2823	2826	2830	rBV4	28092	41789	2.06%	0.165%
79	19.744	2832	2835	2838	rVV2	25267	32116	1.58%	0.127%
80	19.832	2845	2850	2853	rBV	903175	1412456	69.68%	5.568%
81	19.861	2853	2855	2863	rVV	655130	928914	45.82%	3.662%
82	19.938	2864	2868	2873	rVB3	63720	113870	5.62%	0.449%
83	20.196	2904	2912	2921	rBV4	102756	301721	14.88%	1.189%
84	20.320	2929	2933	2935	rBV4	71622	109985	5.43%	0.434%
85	20.355	2935	2939	2944	rVB2	134892	230436	11.37%	0.908%
86	20.455	2952	2956	2960	rBV	83325	110250	5.44%	0.435%
87	20.514	2962	2966	2970	rVV	125756	177759	8.77%	0.701%
88	20.655	2986	2990	2993	rBV	110930	137641	6.79%	0.543%
89	20.696	2994	2997	3001	rVB	120779	148649	7.33%	0.586%
90	21.119	3066	3069	3076	rVB	79157	124595	6.15%	0.491%
91	21.348	3106	3108	3110	rBV	42605	47571	2.35%	0.188%
92	21.730	3165	3173	3178	rBV3	740580	1801919	88.89%	7.103%
93	21.777	3178	3181	3195	rVB	358362	648527	31.99%	2.556%
94	21.941	3205	3209	3213	rBV4	67670	101141	4.99%	0.399%
95	22.558	3309	3314	3321	rVB3	90261	192235	9.48%	0.758%
96	22.858	3360	3365	3371	rBV	270101	480510	23.70%	1.894%
97	23.968	3547	3554	3562	rBV3	145165	511314	25.22%	2.016%
98	24.474	3634	3640	3649	rVB	227524	521130	25.71%	2.054%
99	24.785	3686	3693	3700	rBV	354346	857844	42.32%	3.382%
100	25.014	3723	3732	3739	rBV	365901	1013259	49.98%	3.994%

Sum of corrected areas: 25368137

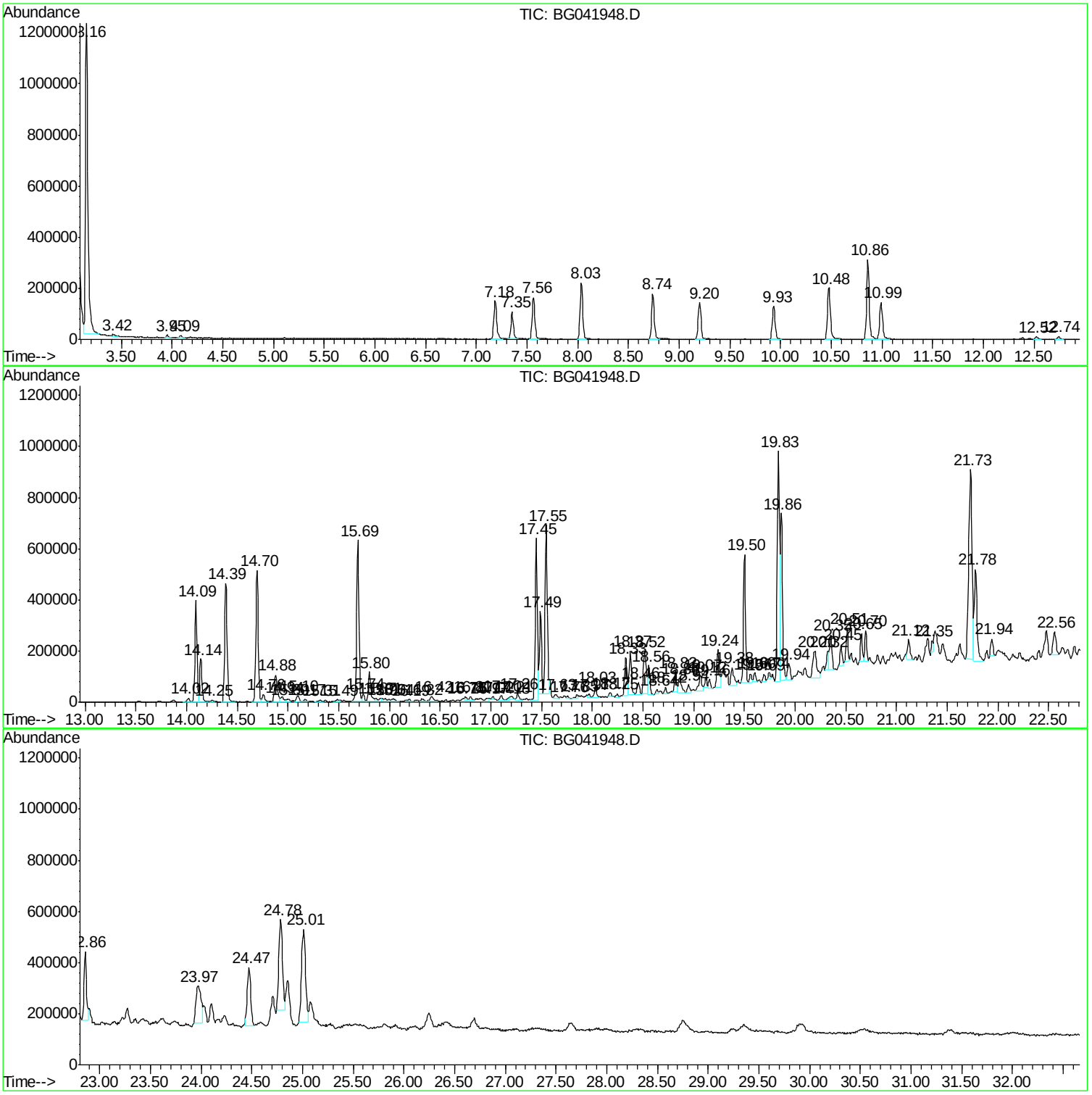
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041948.D
Acq On : 4 Aug 2019 18:53
Operator : HP/JU
Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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 : BG041948.D
Acq On : 4 Aug 2019 18:53
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Sample : K3962-11
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Instrument : BNA_G
ClientSampleId : BEP04

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

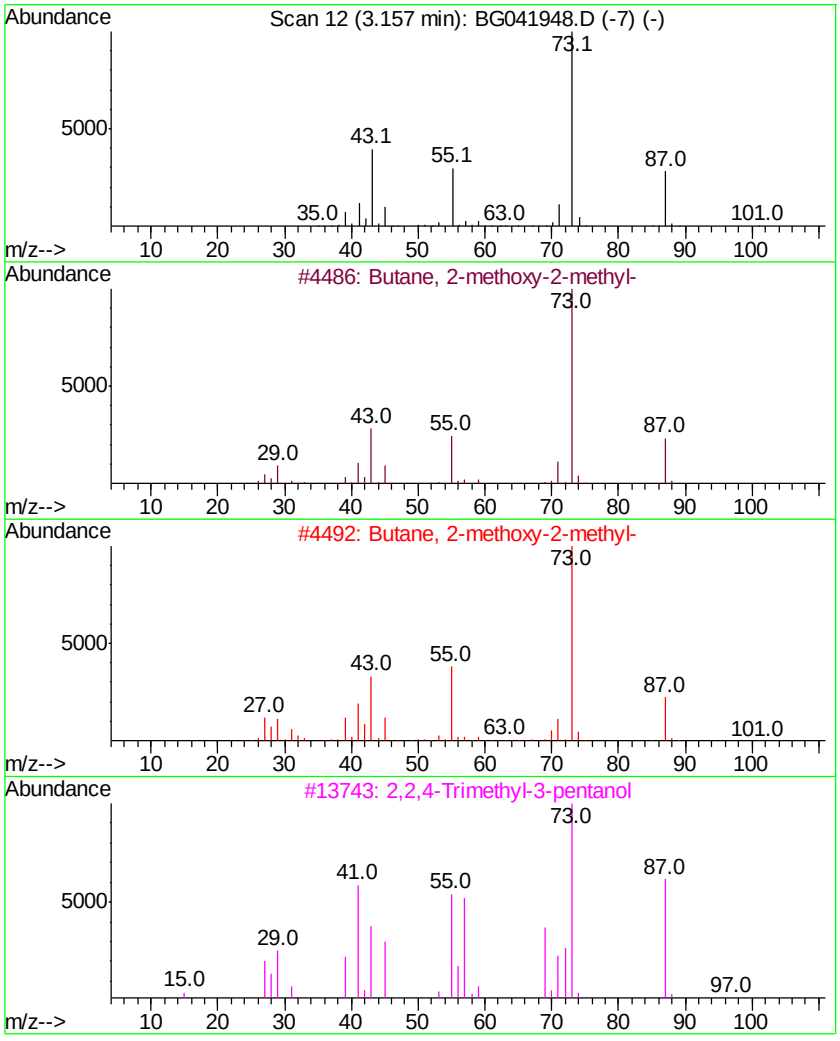
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

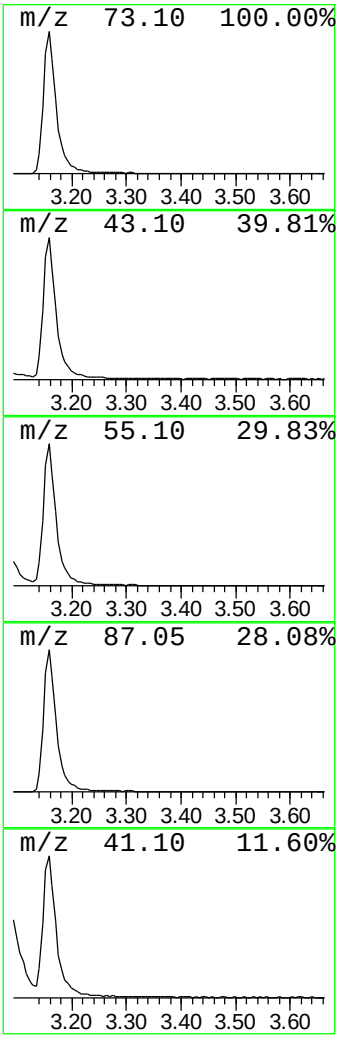
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	104.45 ng/ul	2027200	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	59
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041948.D
Acq On : 4 Aug 2019 18:53
Operator : HP/JU
Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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

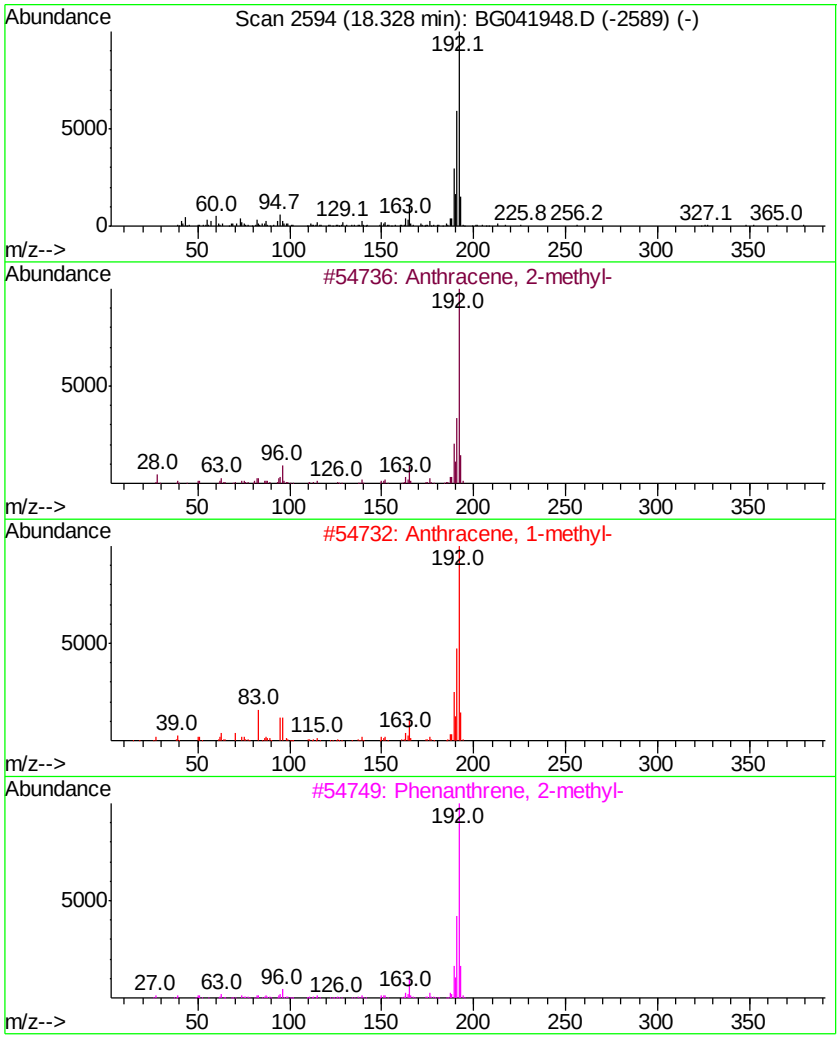
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

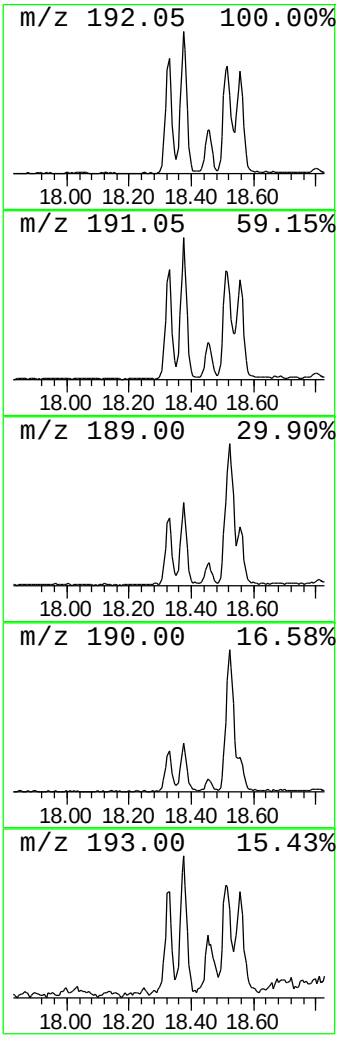
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	5.49 ng/ul	274030	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041948.D
Acq On : 4 Aug 2019 18:53
Operator : HP/JU
Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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

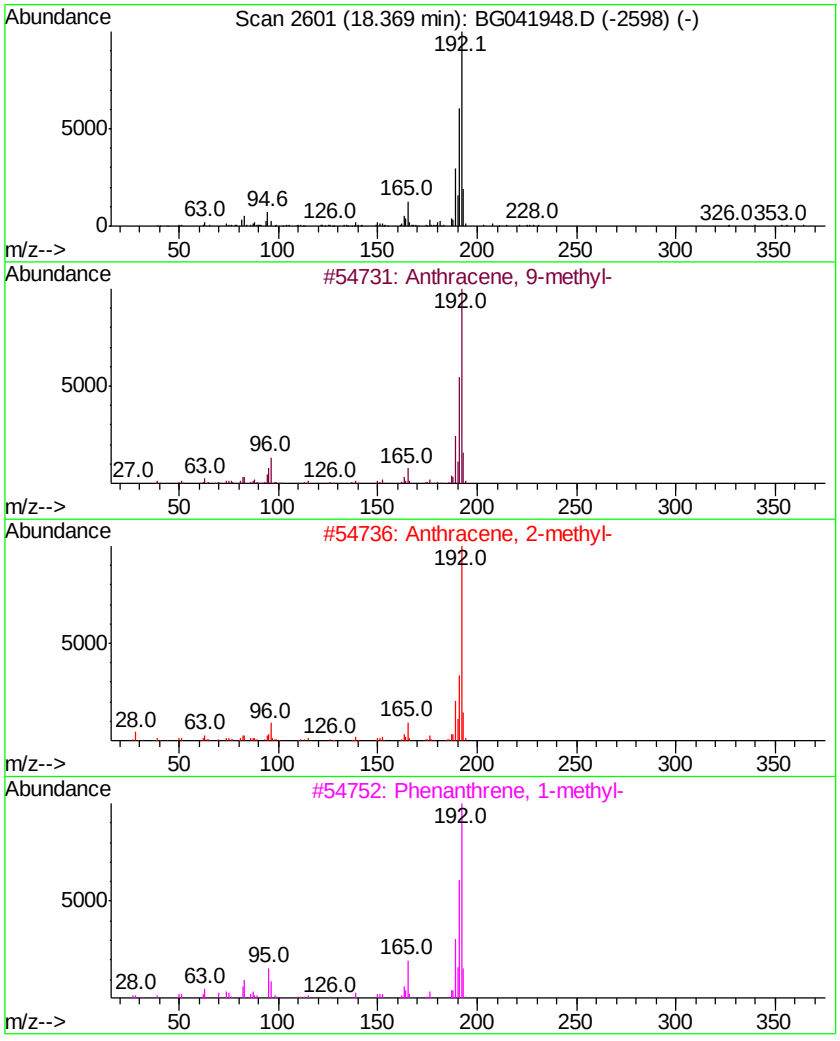
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

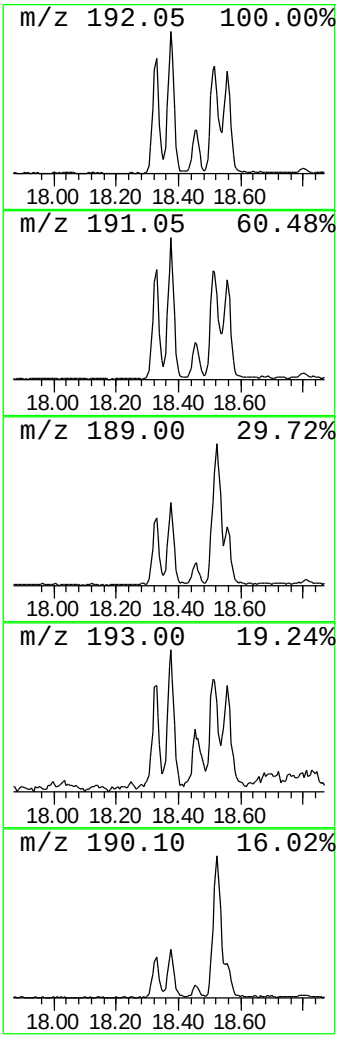
****

Peak Number 3 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	5.10 ng/ul	254467	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041948.D
Acq On : 4 Aug 2019 18:53
Operator : HP/JU
Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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

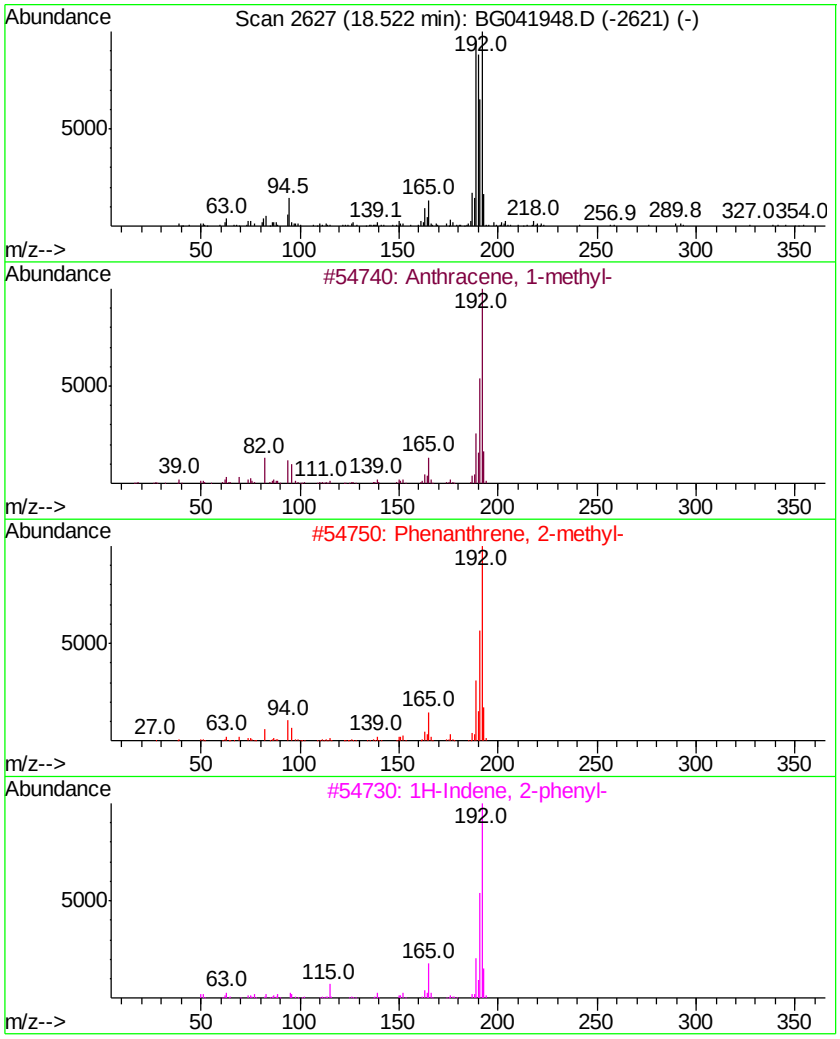
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

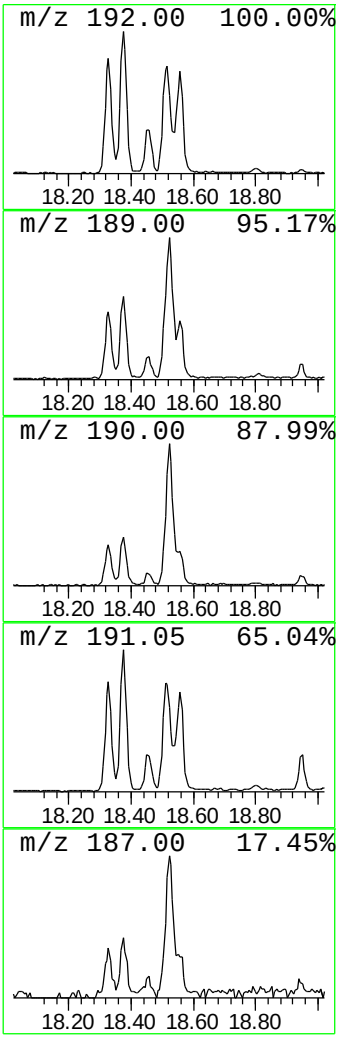
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	6.66 ng/ul	331985	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041948.D
Acq On : 4 Aug 2019 18:53
Operator : HP/JU
Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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

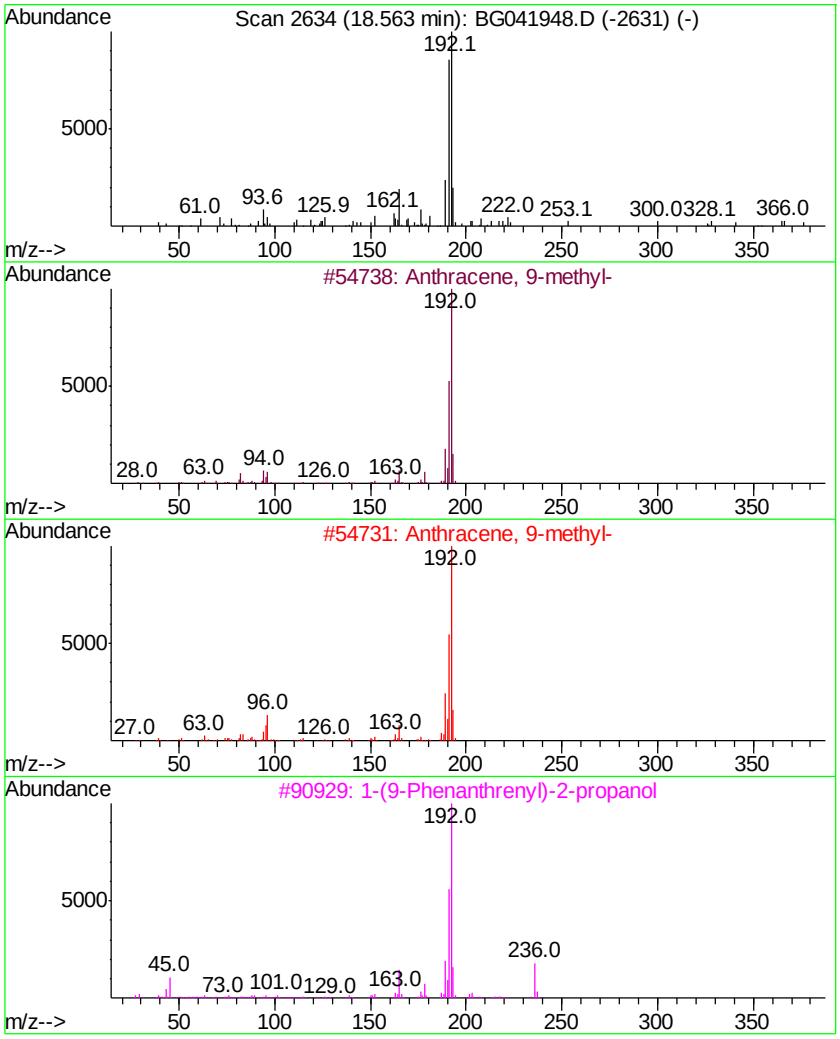
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

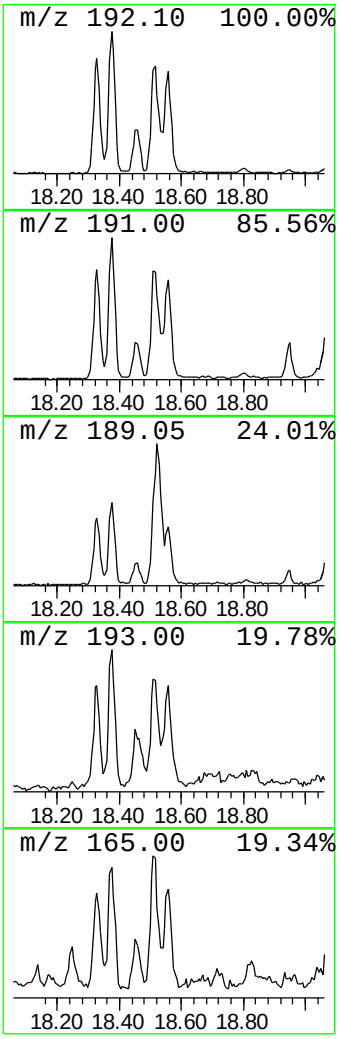
****

Peak Number 5 1-(9-Phenanthrenyl)-2-propanol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	2.77 ng/ul	138293	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
3	1-(9-Phenanthrenyl)-2-propanol	236	C17H16O	1000326-09-0	78
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	74
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	74





Library Search Compound Report

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Data File : BG041948.D
Acq On : 4 Aug 2019 18:53
Operator : HP/JU
Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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Quant Title : SVOA CALIBRATION

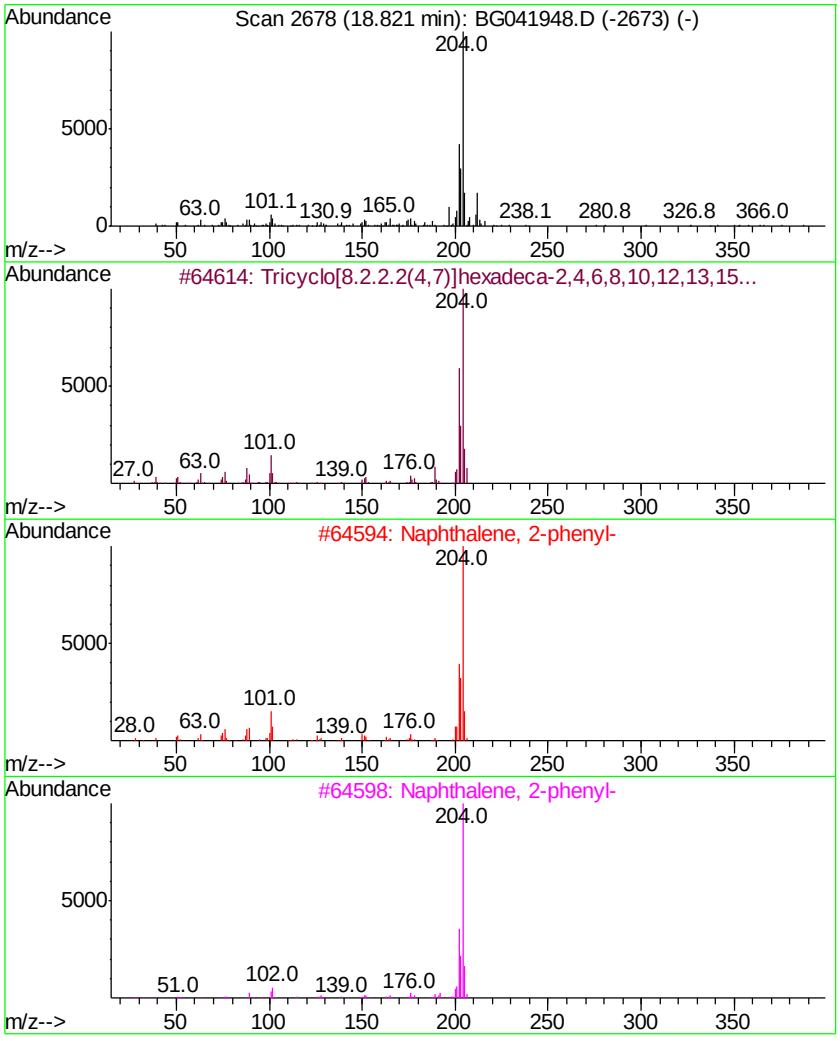
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

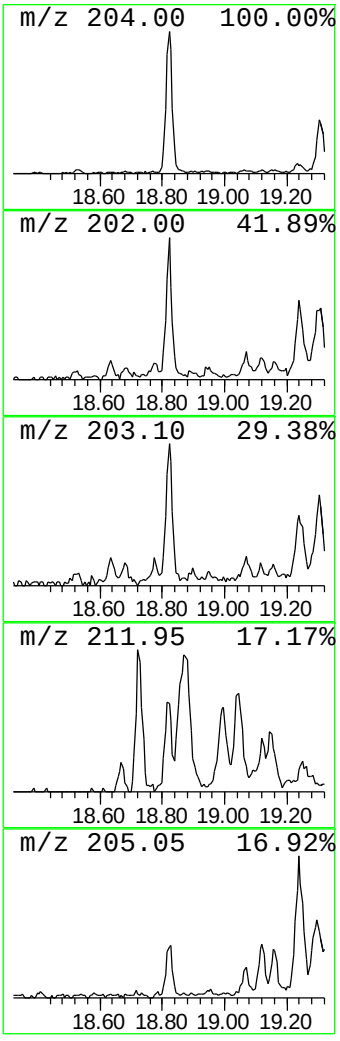
****

Peak Number 6 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	2.26 ng/ul	112561	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53





Library Search Compound Report

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Data File : BG041948.D
Acq On : 4 Aug 2019 18:53
Operator : HP/JU
Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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

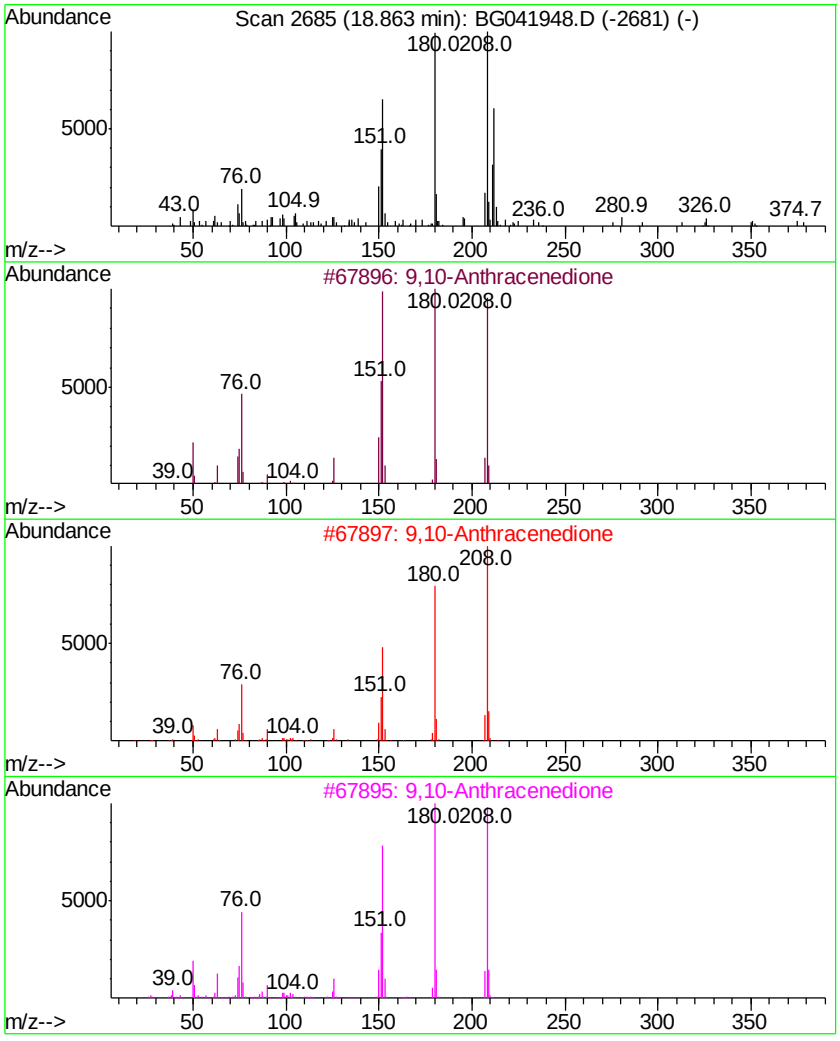
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

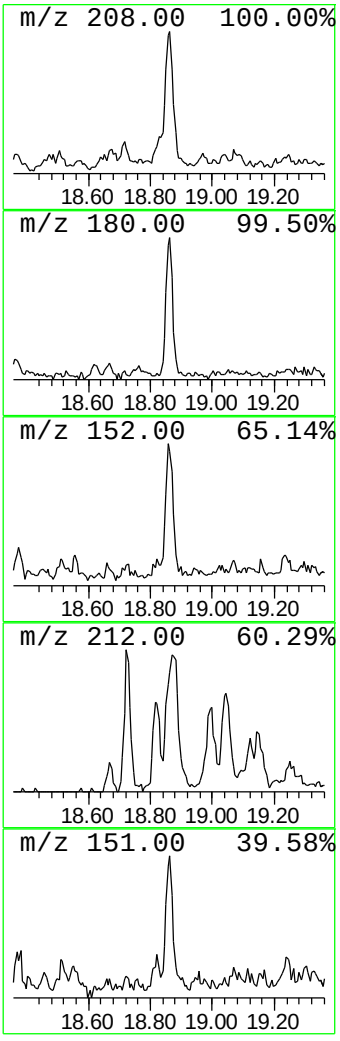
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.40 ng/ul	119720	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	86
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	52





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Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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Quant Title : SVOA CALIBRATION

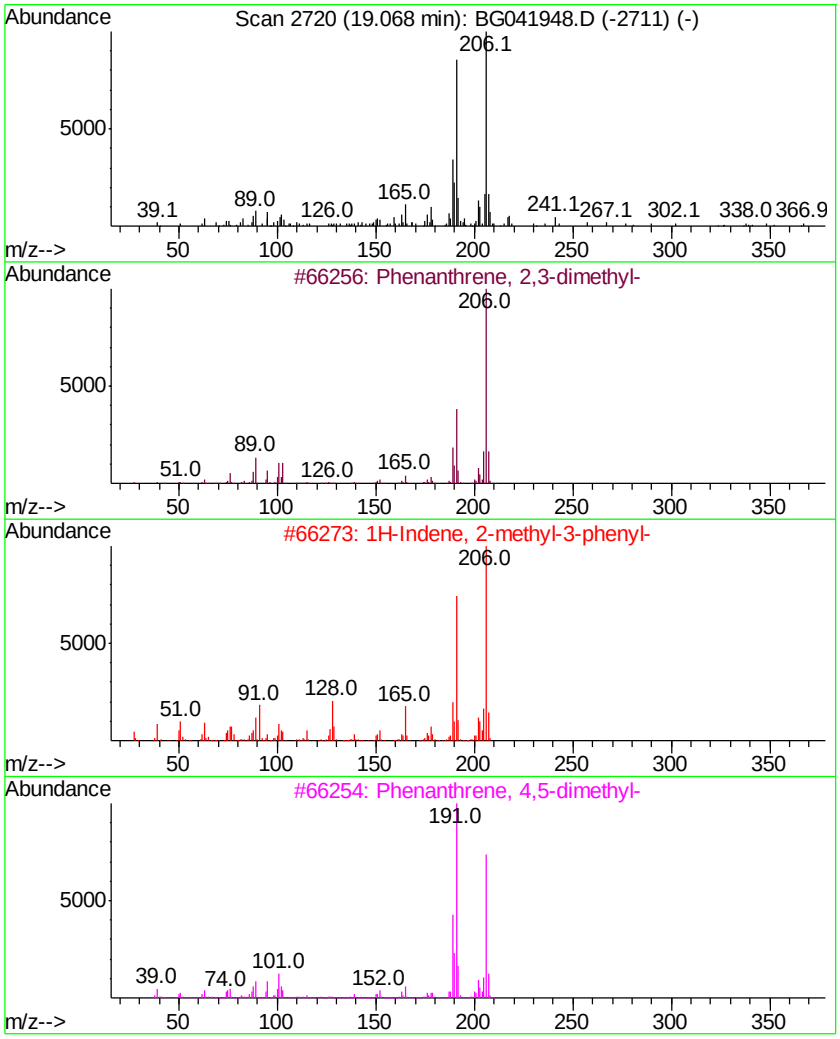
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

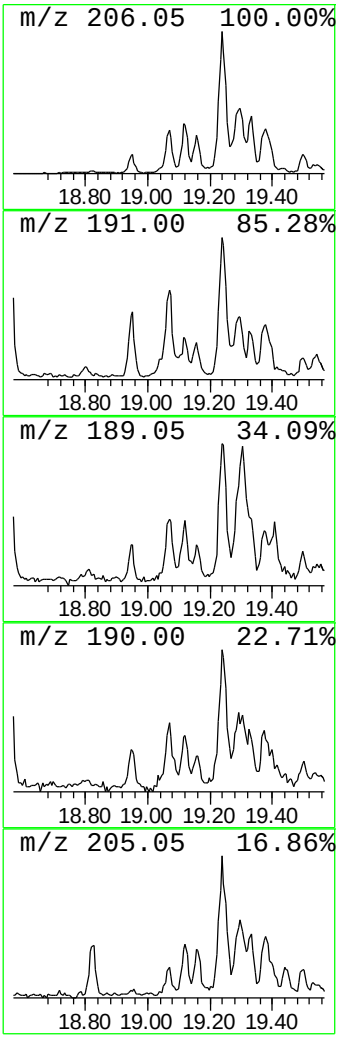
****

Peak Number 8 Phenanthrene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	2.56 ng/ul	127854	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	95
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90





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Acq On : 4 Aug 2019 18:53
Operator : HP/JU
Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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

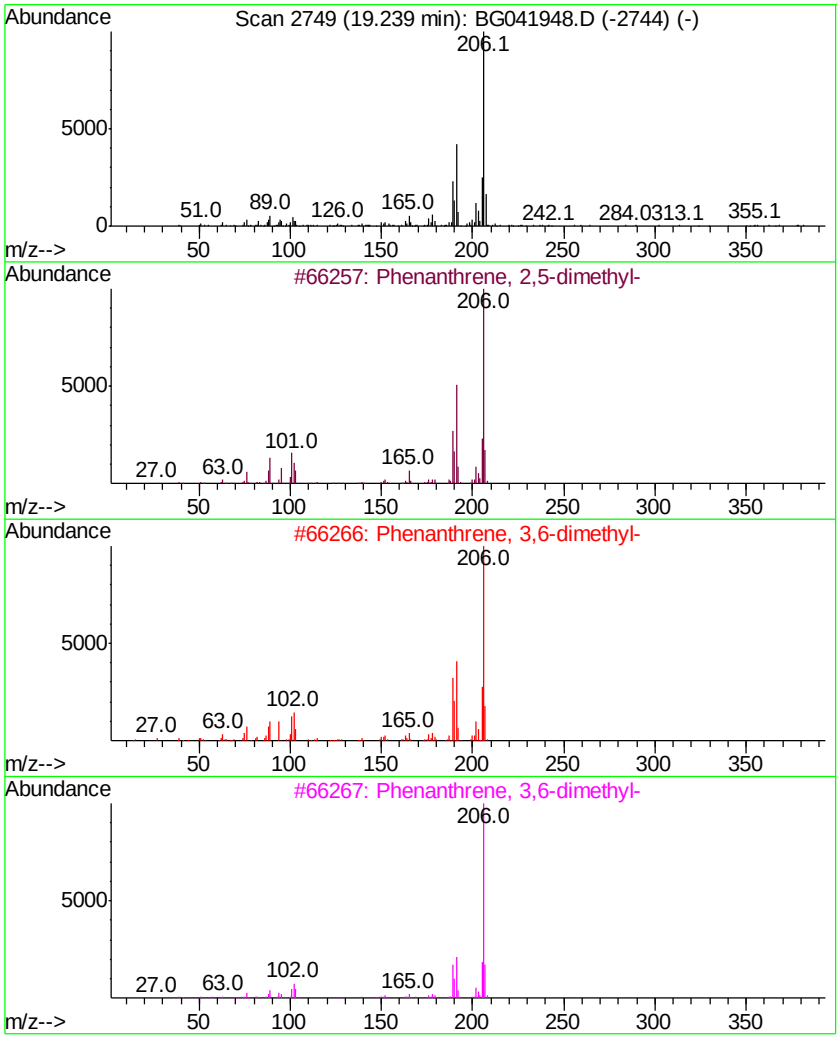
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

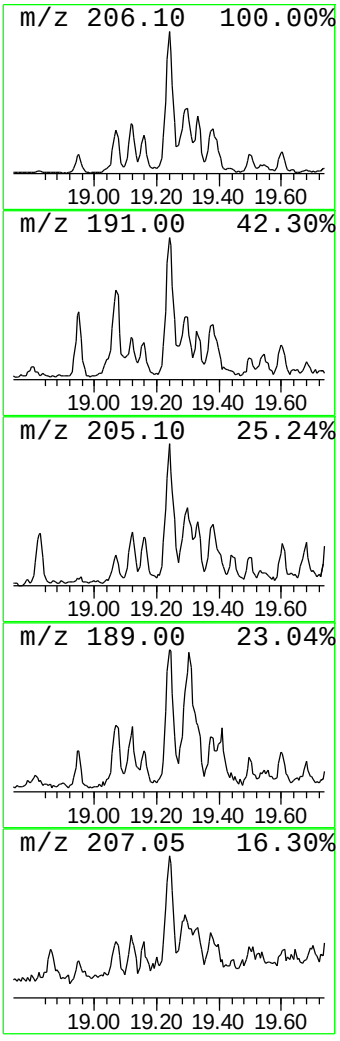
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	5.12 ng/ul	255479	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Acq On : 4 Aug 2019 18:53
Operator : HP/JU
Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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

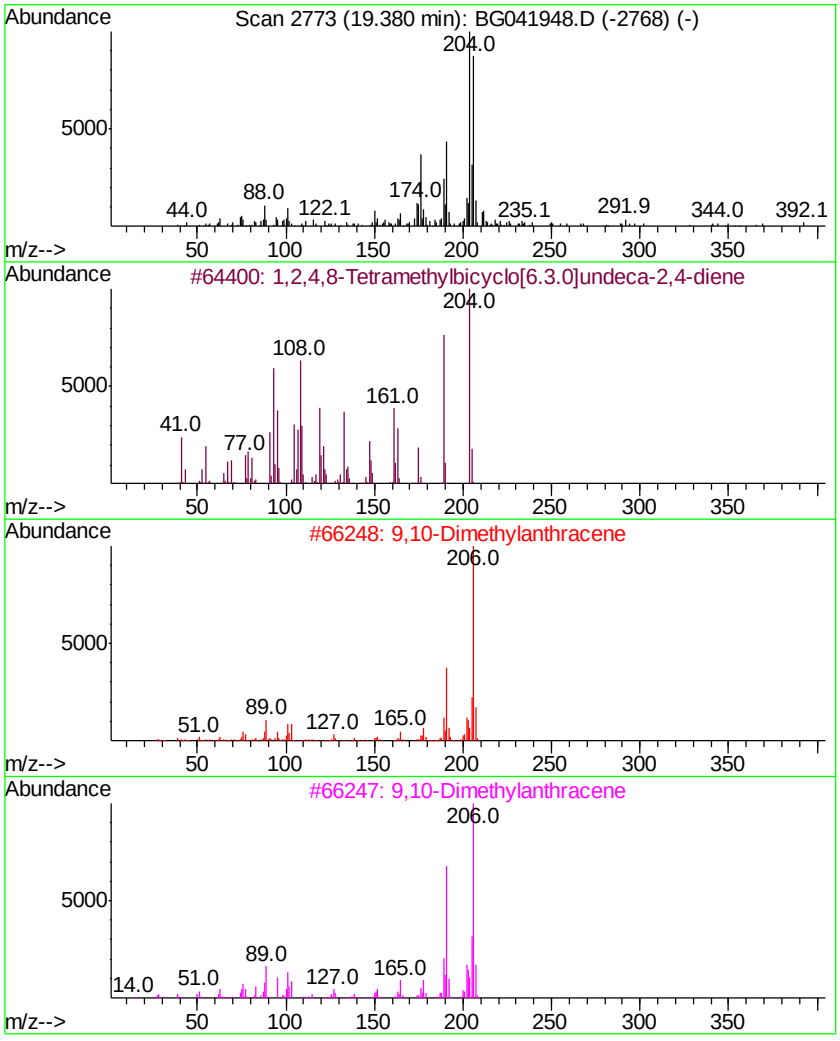
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

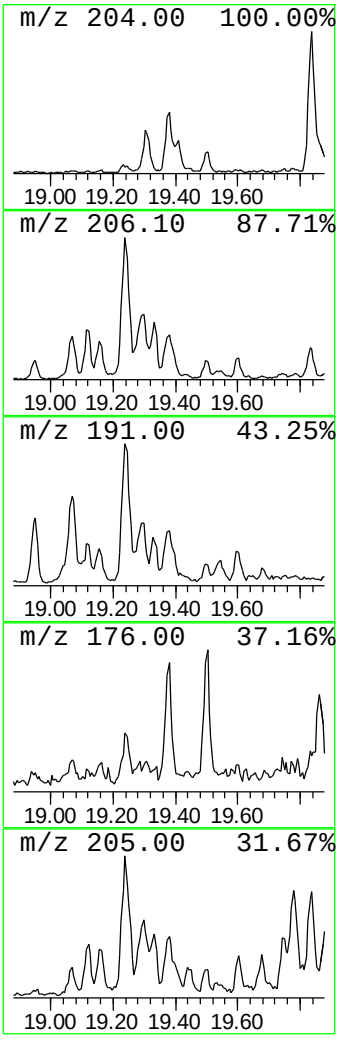
****

Peak Number 10 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.38	3.07 ng/ul	153236	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	55
5	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	55





Library Search Compound Report

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Data File : BG041948.D
Acq On : 4 Aug 2019 18:53
Operator : HP/JU
Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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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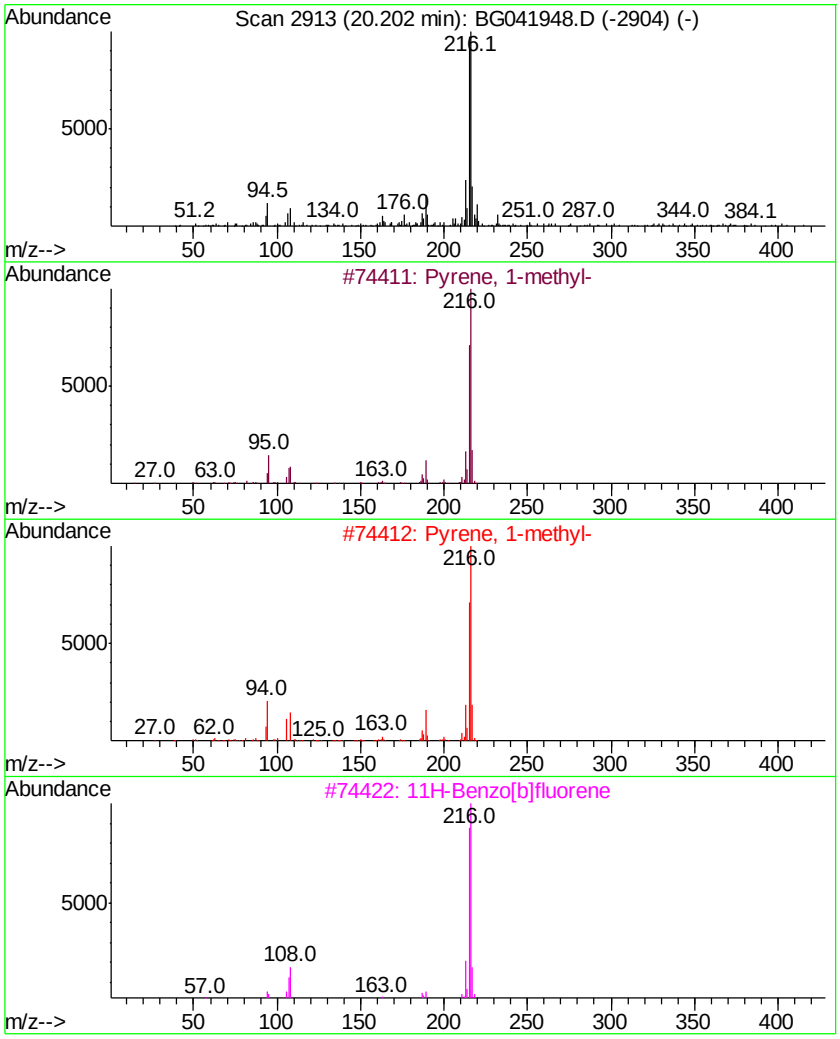
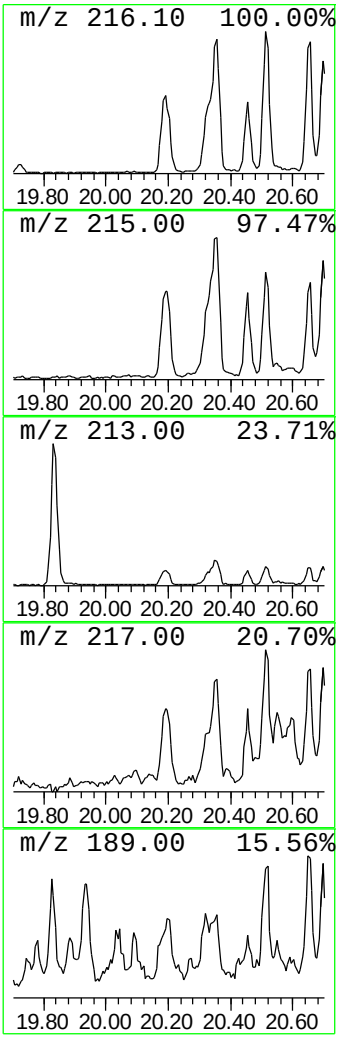
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	3.35 ng/ul	301721	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





Library Search Compound Report

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Data File : BG041948.D
Acq On : 4 Aug 2019 18:53
Operator : HP/JU
Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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

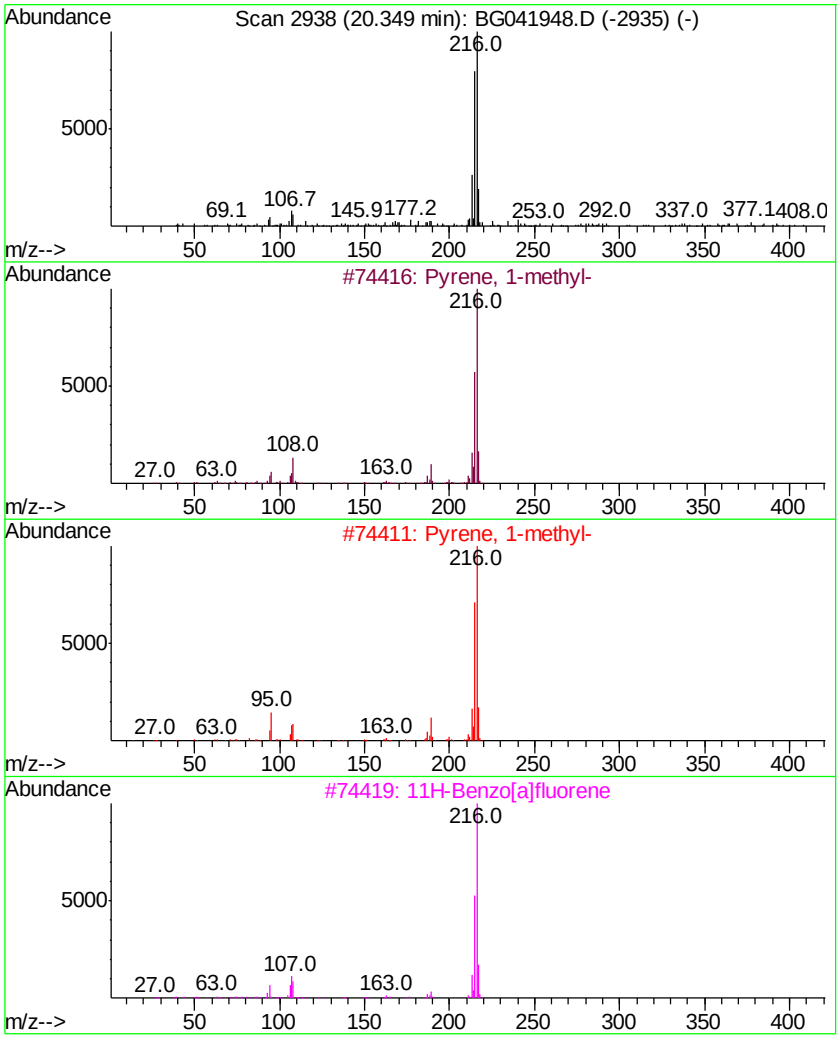
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

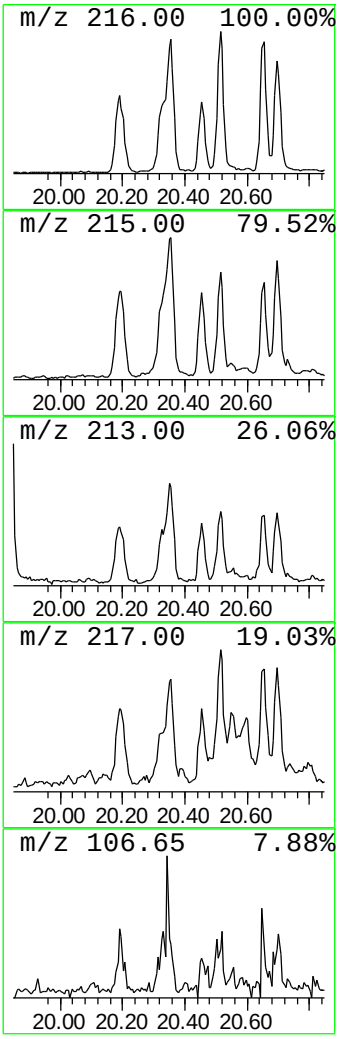
****

Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.35	2.56 ng/ul	230436	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
4	Allopregnane-3.alpha.,20.alpha.-...	320	C21H36O2	000566-58-5	72
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72





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Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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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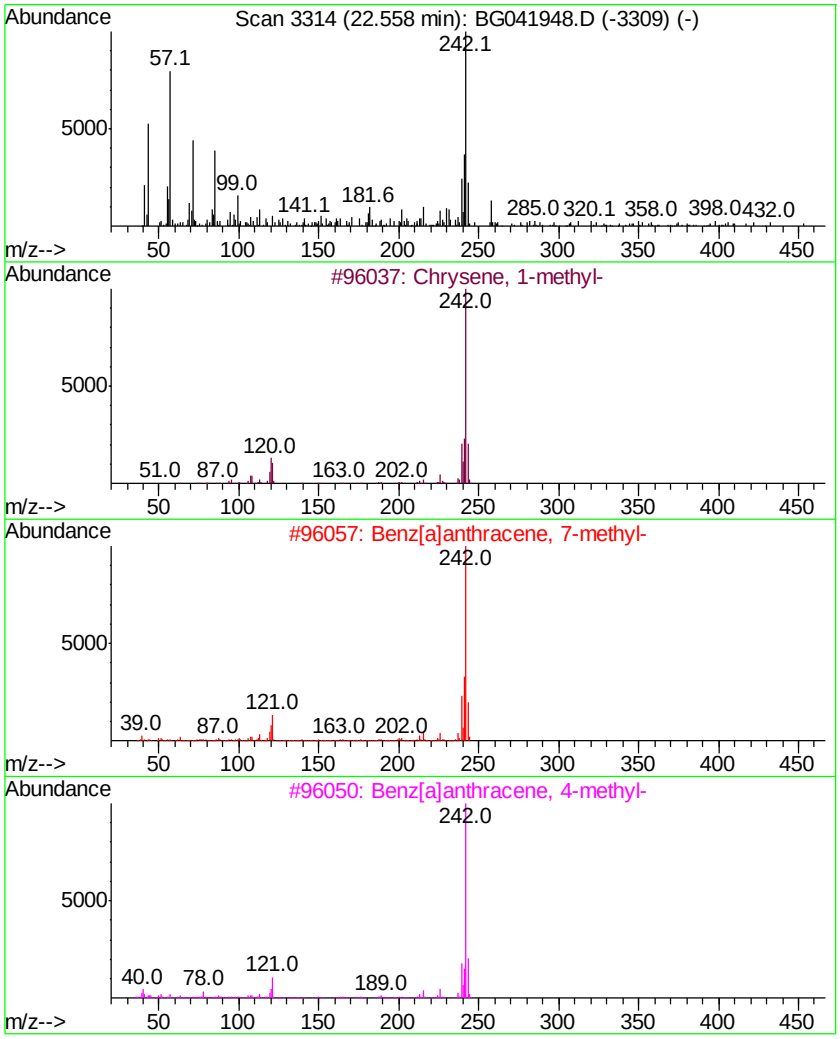
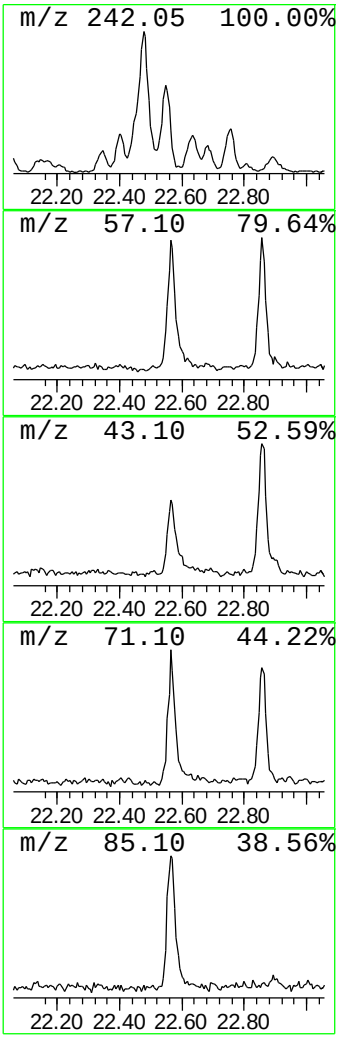
Peak Number 13 Chrysene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.56	2.13 ng/ul	192235	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	58
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	52
3	Benz[a]anthracene, 4-methyl-	242	C19H14	000316-49-4	46
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	46
5	Benzo[c]phenanthrene, 6-methyl-	242	C19H14	002381-34-2	46





Library Search Compound Report

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Acq On : 4 Aug 2019 18:53
Operator : HP/JU
Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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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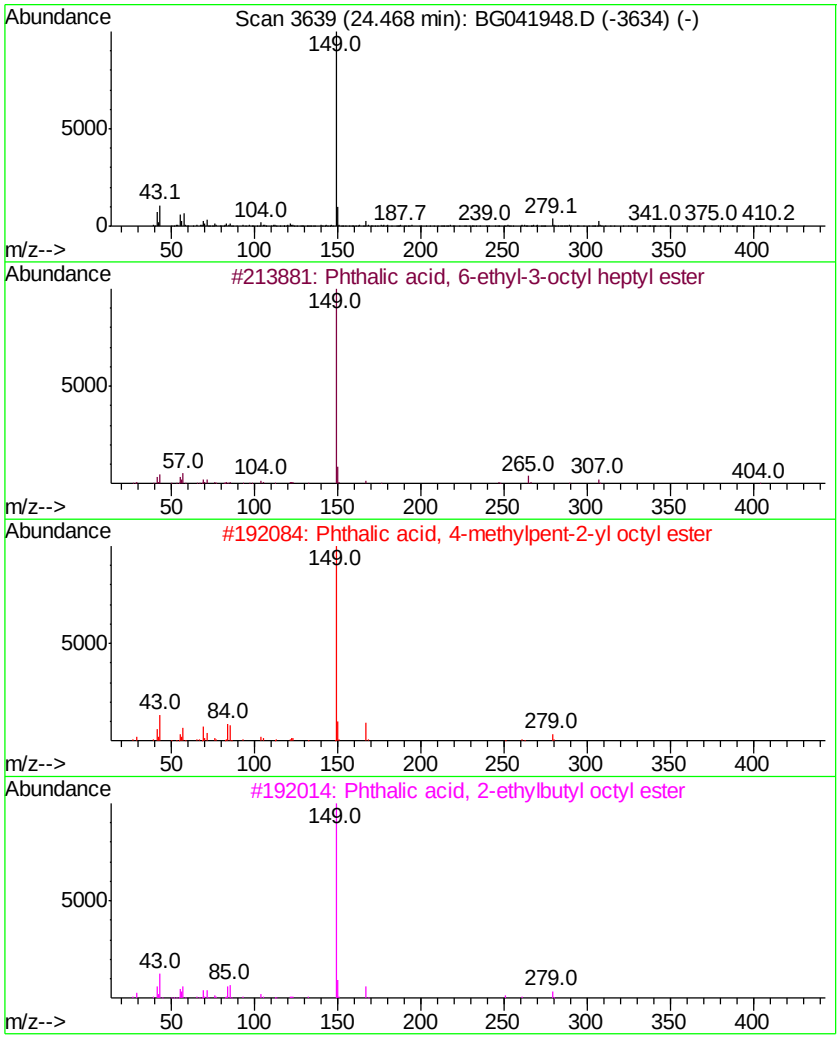
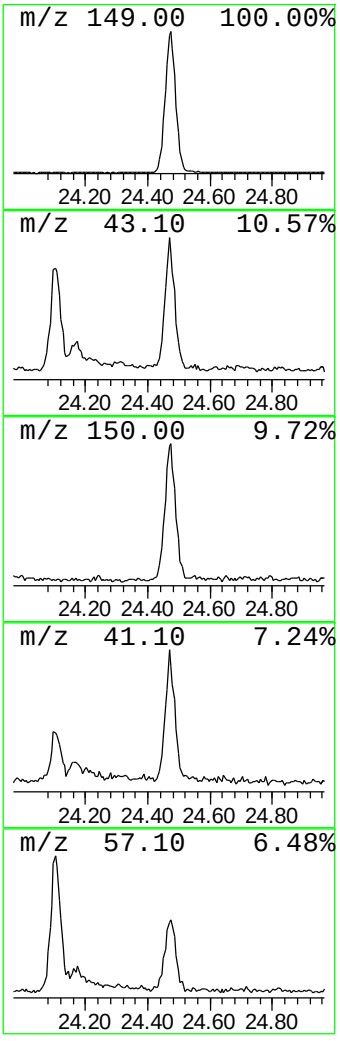
Peak Number 14 Phthalic acid, 6-ethyl-3-oc... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.47	10.29 ng/ul	521130	Perylene-d12	25.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 6-ethyl-3-octyl h...	404	C25H40O4	1000315-17-7	95
2	Phthalic acid, 4-methylpent-2-yl...	362	C22H34O4	1000356-87-8	80
3	Phthalic acid, 2-ethylbutyl octy...	362	C22H34O4	1000356-89-3	80
4	Phthalic acid, decyl pentyl ester	376	C23H36O4	1000309-00-9	72
5	Phthalic acid, butyl dec-2-yl ester	362	C22H34O4	1000356-93-9	72





Tentatively Identified Compound (LSC) summary

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Data File : BG041948.D
Acq On : 4 Aug 2019 18:53
Operator : HP/JU
Sample : K3962-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP04

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	104.5	ng/ul	2027200	1	8.03	388152	20.0
Anthracene, 2-met...	18.33	5.5	ng/ul	274030	4	17.45	997579	20.0
Anthracene, 9-met...	18.37	5.1	ng/ul	254467	4	17.45	997579	20.0
Anthracene, 1-met...	18.52	6.7	ng/ul	331985	4	17.45	997579	20.0
1-(9-Phenanthreny...	18.56	2.8	ng/ul	138293	4	17.45	997579	20.0
Tricyclo[8.2.2.2(...	18.82	2.3	ng/ul	112561	4	17.45	997579	20.0
9,10-Anthracenedione	18.86	2.4	ng/ul	119720	4	17.45	997579	20.0
Phenanthrene, 2,3...	19.07	2.6	ng/ul	127854	4	17.45	997579	20.0
Phenanthrene, 2,5...	19.24	5.1	ng/ul	255479	4	17.45	997579	20.0
1,2,4,8-Tetrameth...	19.38	3.1	ng/ul	153236	4	17.45	997579	20.0
Pyrene, 1-methyl-	20.20	3.4	ng/ul	301721	5	21.74	1801920	20.0
11H-Benzo[a]fluorene	20.35	2.6	ng/ul	230436	5	21.74	1801920	20.0
Chrysene, 1-methyl-	22.56	2.1	ng/ul	192235	5	21.74	1801920	20.0
Phthalic acid, 6-...	24.47	10.3	ng/ul	521130	6	25.01	1013260	20.0