LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042027.D
Acq On : 7 Aug 2019 12:25
Operator : HP/JU
Sample : K4028-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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	3.146	5	10	26	rVB	1323530	2070923	13.59%	4.271%
2	4.074	163	168	175	rVB3	8789	15357	0.10%	0.032%
3	7.177	689	696	713	rVB	124397	238940	1.57%	0.493%
4	7.341	718	724	733	rBV	91580	162386	1.07%	0.335%
5	7.553	753	760	771	rBV	135679	245596	1.61%	0.506%
6	8.029	833	841	848	rBV	222445	397001	2.61%	0.819%
7	8.734	952	961	972	rBV2	150916	289729	1.90%	0.597%
8	9.192	1032	1039	1047	rBV	127010	227816	1.50%	0.470%
9	9.921	1156	1163	1172	rBV	110171	203615	1.34%	0.420%
10	10.467	1248	1256	1273	rBV	179926	356312	2.34%	0.735%
11	10.849	1312	1321	1329	rBV	339387	612518	4.02%	1.263%
12	10.984	1335	1344	1356	rBV	127007	265808	1.74%	0.548%
13	14.086	1865	1872	1876	rVV	393316	582485	3.82%	1.201%
14	14.133	1876	1880	1890	rVB	205695	304177	2.00%	0.627%
15	14.380	1914	1922	1932	rBV	452063	743202	4.88%	1.533%
16	14.686	1967	1974	1981	rBV	593244	949102	6.23%	1.957%
17	14.750	1981	1985	1992	rVB2	18831	30906	0.20%	0.064%
18	14.874	2000	2006	2018	rBV	93758	198203	1.30%	0.409%
19	15.091	2037	2043	2049	rVB3	21079	36925	0.24%	0.076%
20	15.490	2102	2111	2115	rBV4	12649	27120	0.18%	0.056%
21	15.555	2117	2122	2127	rVB	55054	81279	0.53%	0.168%
22	15.678	2132	2143	2149	rBV	625605	987737	6.48%	2.037%
23	15.737	2149	2153	2157	rVB	28218	40108	0.26%	0.083%
24	15.796	2157	2163	2171	rBV	128489	213325	1.40%	0.440%
25	16.031	2199	2203	2212	rVB4	10651	21438	0.14%	0.044%
26	16.178	2224	2228	2236	rVB2	7836	18320	0.12%	0.038%
27	16.413	2258	2268	2275	rBV10	15292	34797	0.23%	0.072%
28	16.742	2321	2324	2328	rVV5	12833	20598	0.14%	0.042%
29	16.889	2346	2349	2355	rVB6	9036	15825	0.10%	0.033%
30	16.971	2355	2363	2367	rBV7	11226	29382	0.19%	0.061%
31	17.089	2378	2383	2389	rBV4	16058	26592	0.17%	0.055%
32	17.253	2408	2411	2418	rVB	21713	32498	0.21%	0.067%
33	17.441	2436	2443	2446	rBV	744388	1138720	7.47%	2.348%
34	17.482	2446	2450	2454	rVB	383266	529272	3.47%	1.091%

LSC Area Percent Report

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Acq On : 7 Aug 2019 12:25
Operator : HP/JU
Sample : K4028-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	17.535	2454	2459	2464	rBV2	686817	1046025	6.86%	2.157%
36	17.629	2470	2475	2481	rBV6	18258	30738	0.20%	0.063%
37	17.711	2486	2489	2494	rBV6	9196	16113	0.11%	0.033%
38	17.835	2502	2510	2515	rBV2	77984	132406	0.87%	0.273%
39	17.958	2523	2531	2535	rBV3	53028	84270	0.55%	0.174%
40	18.023	2538	2542	2551	rVB3	46060	87577	0.57%	0.181%
41	18.164	2562	2566	2571	rVB2	19327	34567	0.23%	0.071%
42	18.322	2587	2593	2597	rBV	115368	232943	1.53%	0.480%
43	18.364	2597	2600	2604	rVV	141754	213717	1.40%	0.441%
44	18.399	2604	2606	2610	rVV	31727	34975	0.23%	0.072%
45	18.446	2610	2614	2619	rVV2	46562	69577	0.46%	0.143%
46	18.510	2619	2625	2629	rVV3	246111	426673	2.80%	0.880%
47	18.546	2629	2631	2639	rVB2	82821	158234	1.04%	0.326%
48	18.622	2639	2644	2648	rBV7	23939	45096	0.30%	0.093%
49	18.716	2656	2660	2663	rVB2	17519	24641	0.16%	0.051%
50	18.810	2669	2676	2680	rBV2	70941	152529	1.00%	0.315%
51	18.851	2680	2683	2693	rVB4	53361	101545	0.67%	0.209%
52	18.933	2694	2697	2700	rBV	24909	35108	0.23%	0.072%
53	19.057	2715	2718	2723	rVB	36587	40398	0.27%	0.083%
54	19.110	2723	2727	2731	rBV	74899	102367	0.67%	0.211%
55	19.145	2731	2733	2738	rVB2	33672	38531	0.25%	0.079%
56	19.233	2742	2748	2751	rBV	106894	184705	1.21%	0.381%
57	19.280	2752	2756	2760	rVV7	70224	151198	0.99%	0.312%
58	19.321	2760	2763	2766	rVV	96481	127832	0.84%	0.264%
59	19.362	2766	2770	2778	rVB7	127489	224533	1.47%	0.463%
60	19.492	2787	2792	2798	rVB	815039	1118910	7.34%	2.307%
61	19.550	2798	2802	2806	rBV4	118007	166961	1.10%	0.344%
62	19.592	2806	2809	2812	rVV4	45356	59550	0.39%	0.123%
63	19.633	2812	2816	2820	rVB3	95657	128428	0.84%	0.265%
64	19.697	2823	2827	2830	rVB5	43230	56297	0.37%	0.116%
65	19.733	2830	2833	2837	rBV2	28830	38935	0.26%	0.080%
66	19.768	2837	2839	2843	rVB	31884	31718	0.21%	0.065%
67	19.827	2843	2849	2851	rBV	1005015	1491467	9.79%	3.076%
68	19.856	2851	2854	2862	rVV	836130	1169288	7.67%	2.411%
69	19.926	2863	2866	2871	rVB3	45730	69150	0.45%	0.143%
70	19.973	2871	2874	2877	rVB5	29066	30643	0.20%	0.063%
71	20.020	2879	2882	2888	rBV2	46960	81561	0.54%	0.168%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4028-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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	20.079	2888	2892	2901	rVB3	101412	171210	1.12%	0.353%
73	20.179	2903	2909	2915	rBV3	96954	270425	1.77%	0.558%
74	20.344	2927	2937	2941	rBV	206614	430573	2.83%	0.888%
75	20.385	2941	2944	2948	rVB	64758	77986	0.51%	0.161%
76	20.443	2950	2954	2958	rVV	110689	144814	0.95%	0.299%
77	20.502	2960	2964	2968	rVB2	132521	188269	1.24%	0.388%
78	20.643	2985	2988	2991	rBV	92573	104195	0.68%	0.215%
79	20.690	2992	2996	3000	rVB2	122927	163967	1.08%	0.338%
80	21.090	3060	3064	3074	rVB3	187200	395582	2.60%	0.816%
81	21.360	3102	3110	3114	rBV6	166898	443268	2.91%	0.914%
82	21.478	3127	3130	3133	rVB	85224	91585	0.60%	0.189%
83	21.513	3133	3136	3141	rVB	115315	162498	1.07%	0.335%
84	21.624	3141	3155	3160	rBV	8567348	15237535	100.00%	31.423%
85	21.718	3163	3171	3176	rBV4	888695	2335512	15.33%	4.816%
86	21.765	3176	3179	3183	rVV	329640	502496	3.30%	1.036%
87	21.818	3184	3188	3191	rVB	153877	237043	1.56%	0.489%
88	21.924	3197	3206	3209	rBV	916265	1888661	12.39%	3.895%
89	22.165	3237	3247	3250	rBV4	206121	581092	3.81%	1.198%
90	22.247	3257	3261	3264	rBV2	120573	212841	1.40%	0.439%
91	22.282	3264	3267	3271	rVB	167944	243640	1.60%	0.502%
92	22.382	3282	3284	3290	rVB	111747	158325	1.04%	0.326%
93	22.541	3306	3311	3320	rBV3	108663	252708	1.66%	0.521%
94	22.841	3360	3362	3366	rBV	39081	55066	0.36%	0.114%
95	23.957	3543	3552	3559	rBV2	262461	922792	6.06%	1.903%
96	24.686	3669	3676	3682	rBV	167360	444761	2.92%	0.917%
97	24.762	3682	3689	3696	rVV	465867	1312620	8.61%	2.707%
98	24.827	3696	3700	3713	rVB	276808	739946	4.86%	1.526%
99	24.991	3718	3728	3735	rBV	467082	1335482	8.76%	2.754%

Sum of corrected areas: 48492110

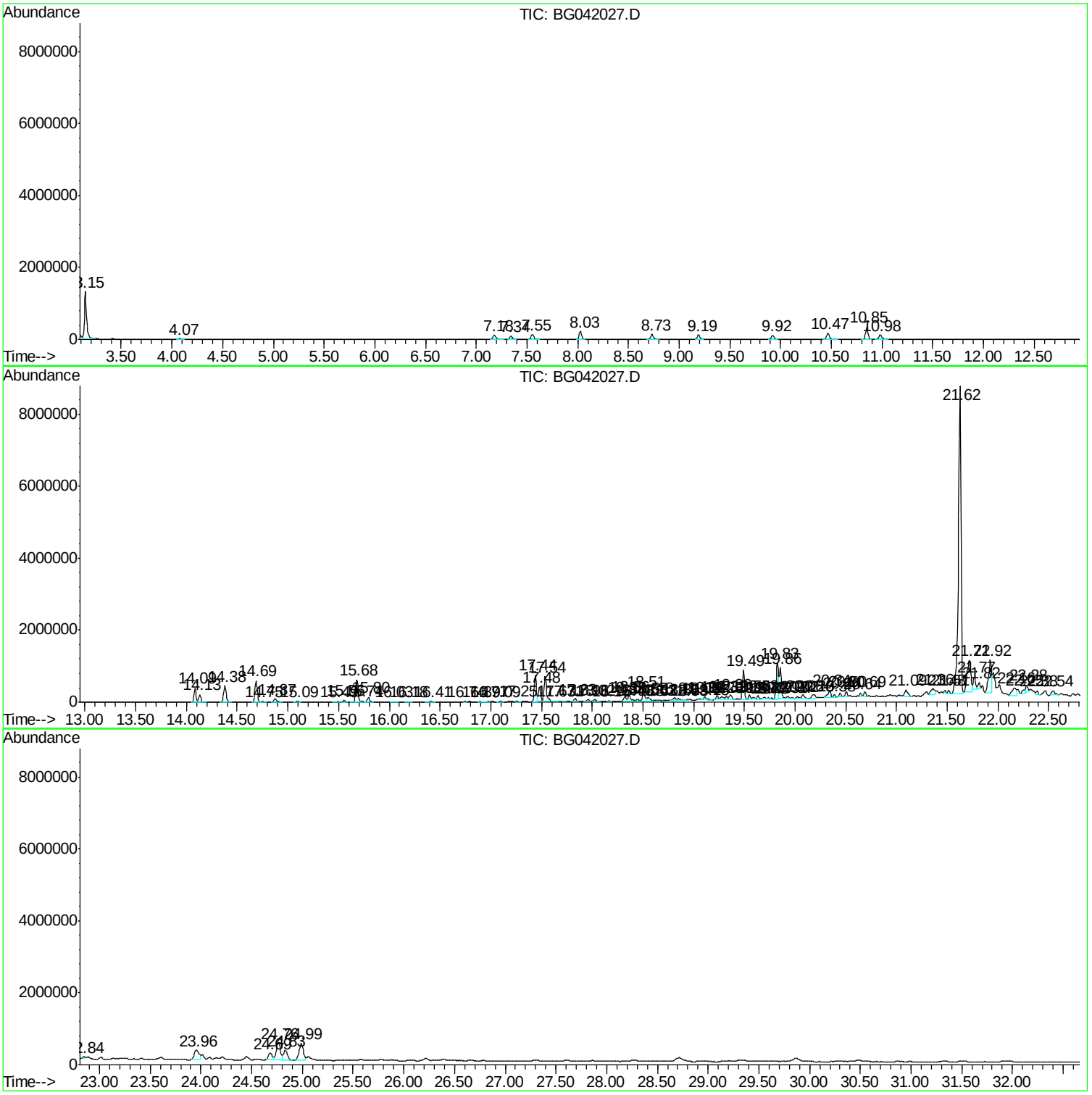
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042027.D
Acq On : 7 Aug 2019 12:25
Operator : HP/JU
Sample : K4028-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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\BG080619\
Data File : BG042027.D
Acq On : 7 Aug 2019 12:25
Operator : HP/JU
Sample : K4028-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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

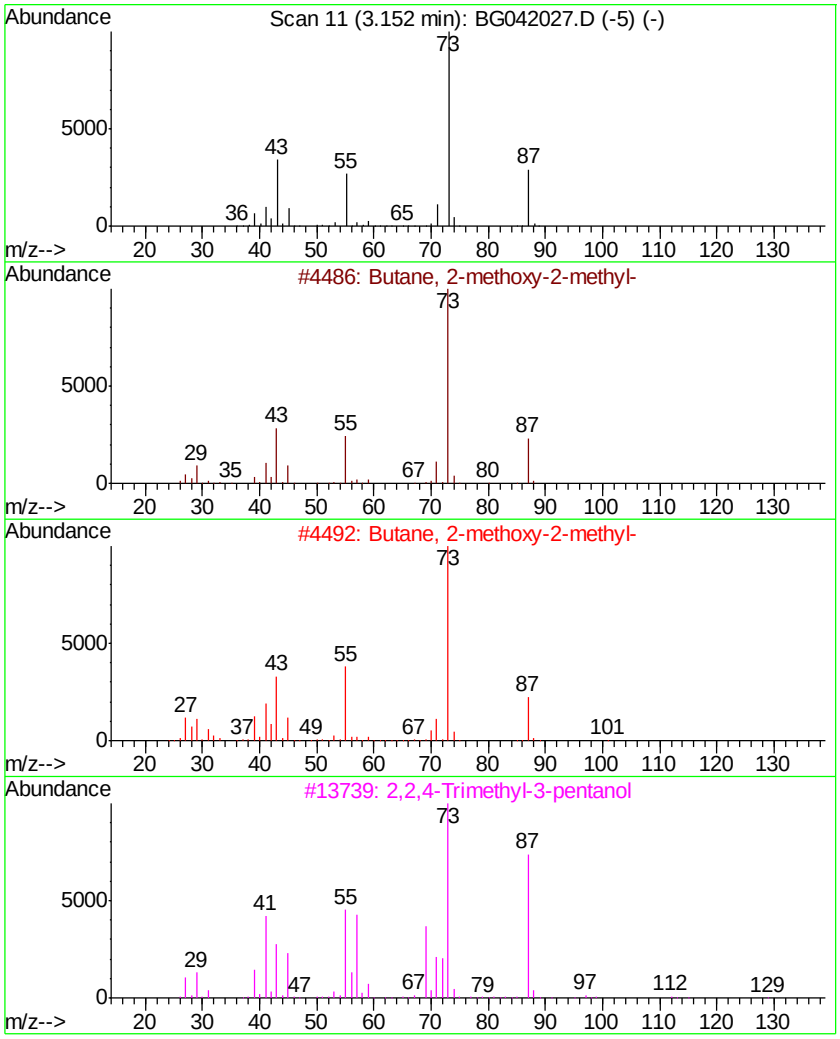
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

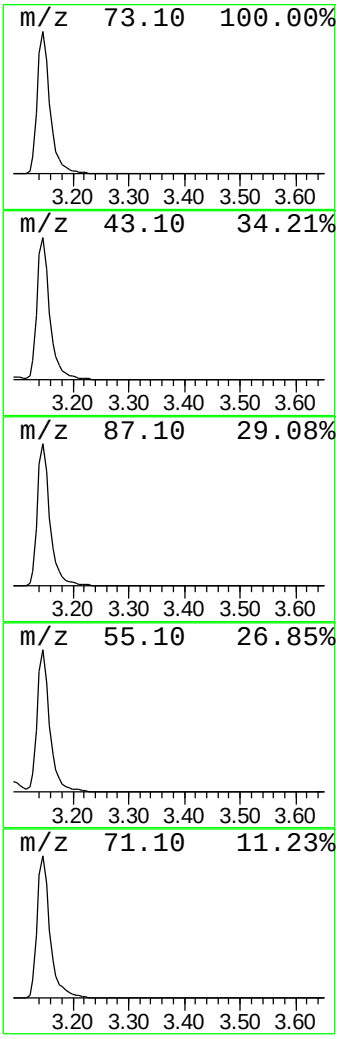
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	104.33 ng/ul	2070920	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	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	59
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042027.D
Acq On : 7 Aug 2019 12:25
Operator : HP/JU
Sample : K4028-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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

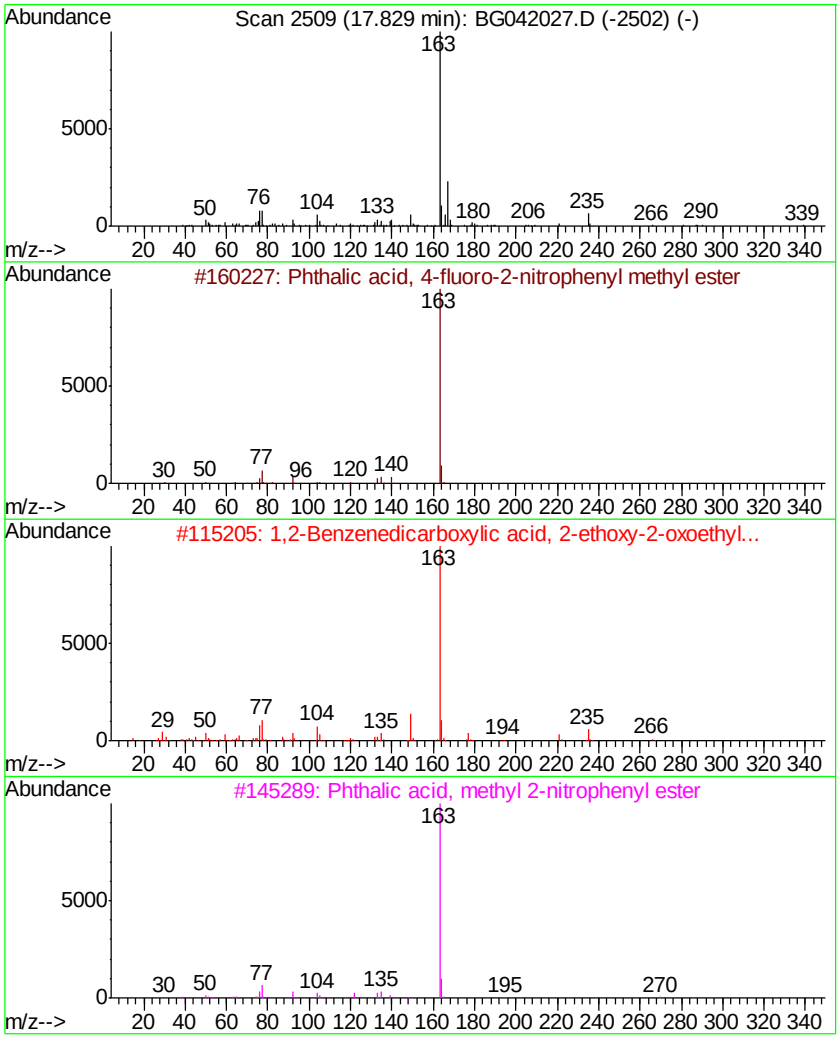
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

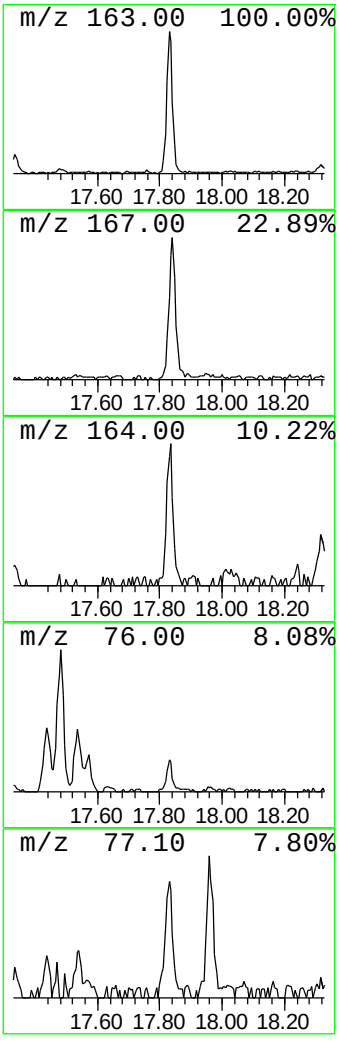
****

Peak Number 2 Phthalic acid, 4-fluoro-2-n... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	2.33 ng/ul	132406	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 4-fluoro-2-nitrop...	319	C15H10FNO6	1000315-63-4	50
2	1,2-Benzenedicarboxylic acid, 2-...	266	C13H14O6	000085-71-2	50
3	Phthalic acid, methyl 2-nitrophe...	301	C15H11NO6	1000315-68-3	49
4	Phthalic acid, methyl neopentyl ...	250	C14H18O4	1000315-53-9	47
5	Phthalic acid, 4-chloro-3-methyl...	304	C16H13ClO4	1000315-71-2	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
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Sample : K4028-03
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Instrument : BNA_G
ClientSampleId : BEP69

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

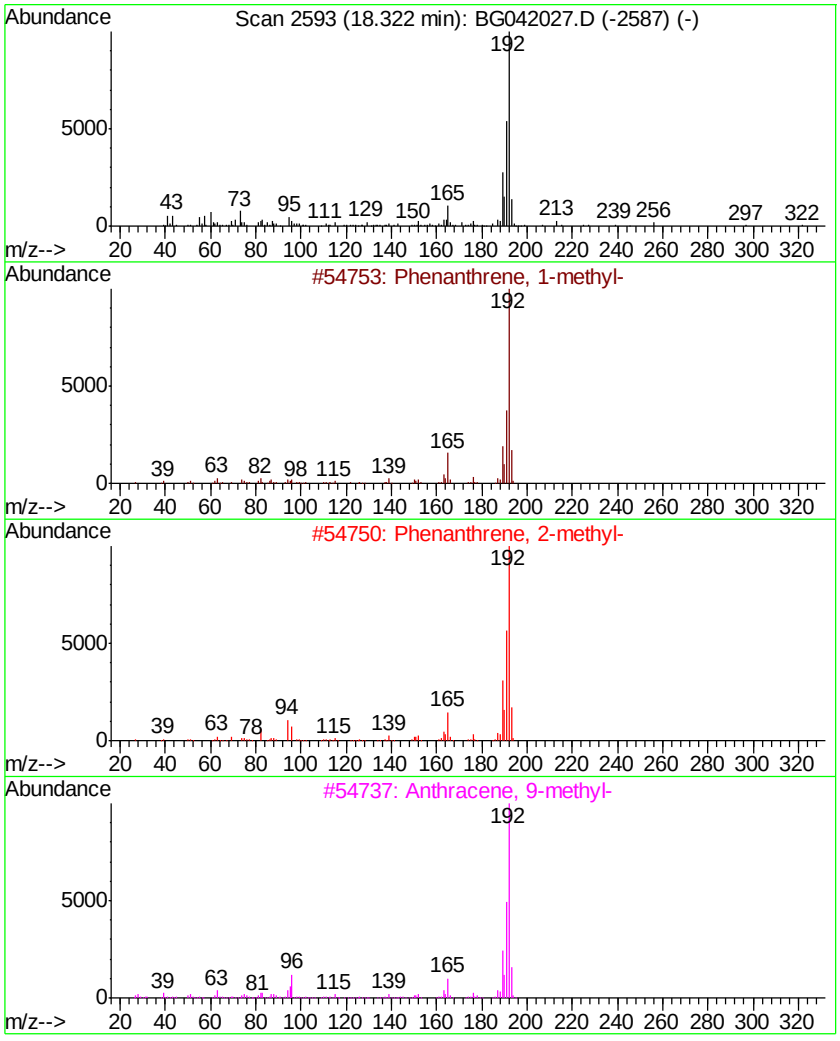
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

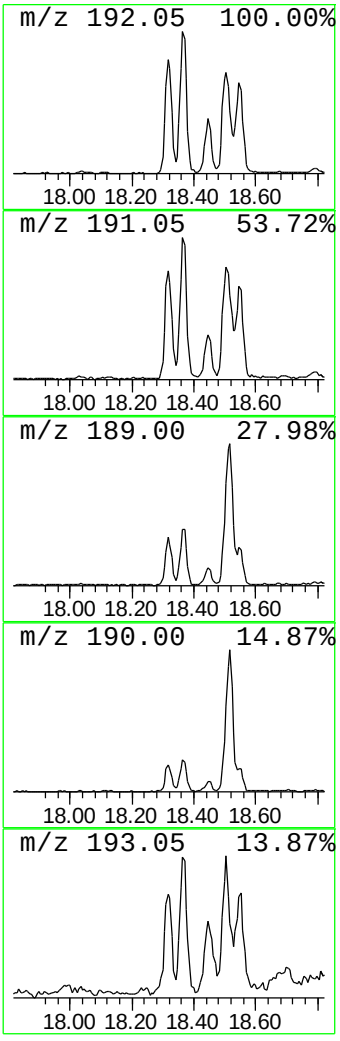
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	4.09 ng/ul	232943	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042027.D
Acq On : 7 Aug 2019 12:25
Operator : HP/JU
Sample : K4028-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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

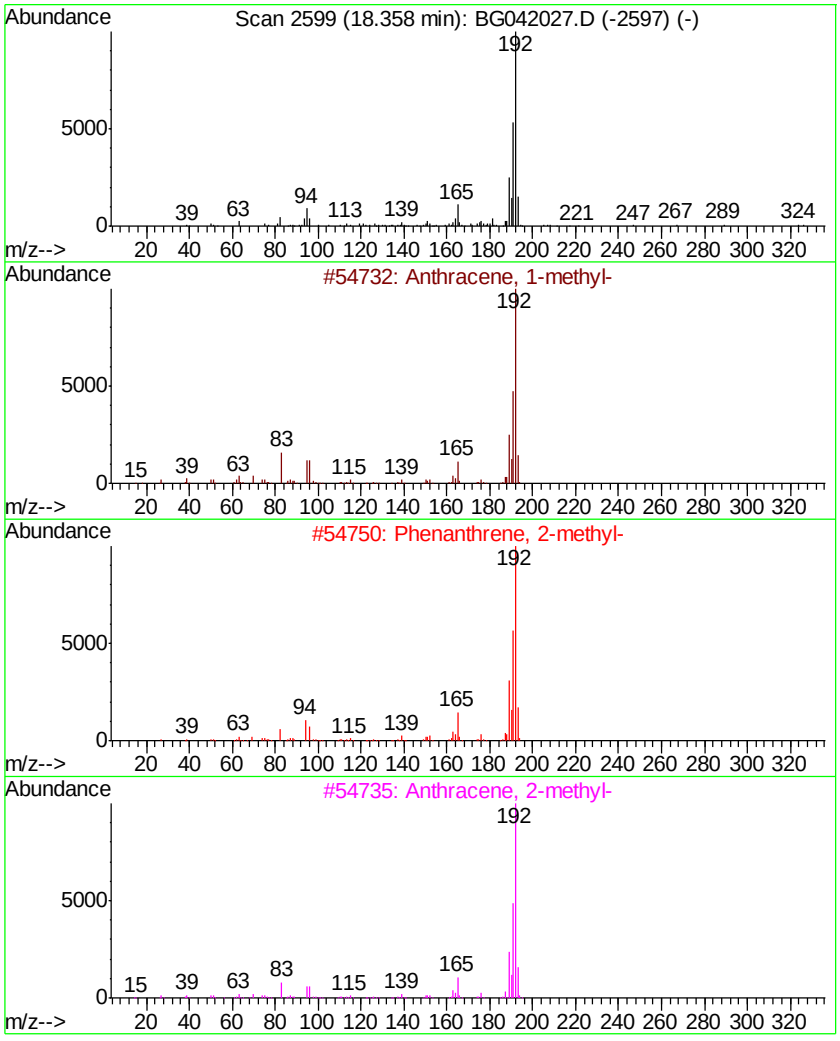
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

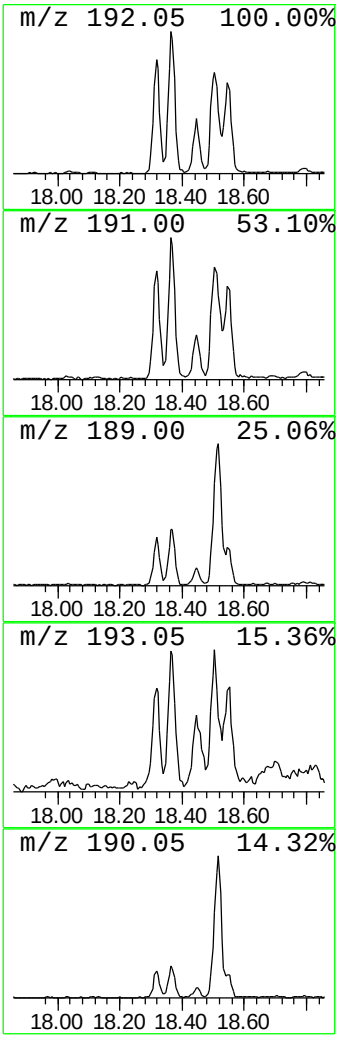
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	3.75 ng/ul	213717	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042027.D
Acq On : 7 Aug 2019 12:25
Operator : HP/JU
Sample : K4028-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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

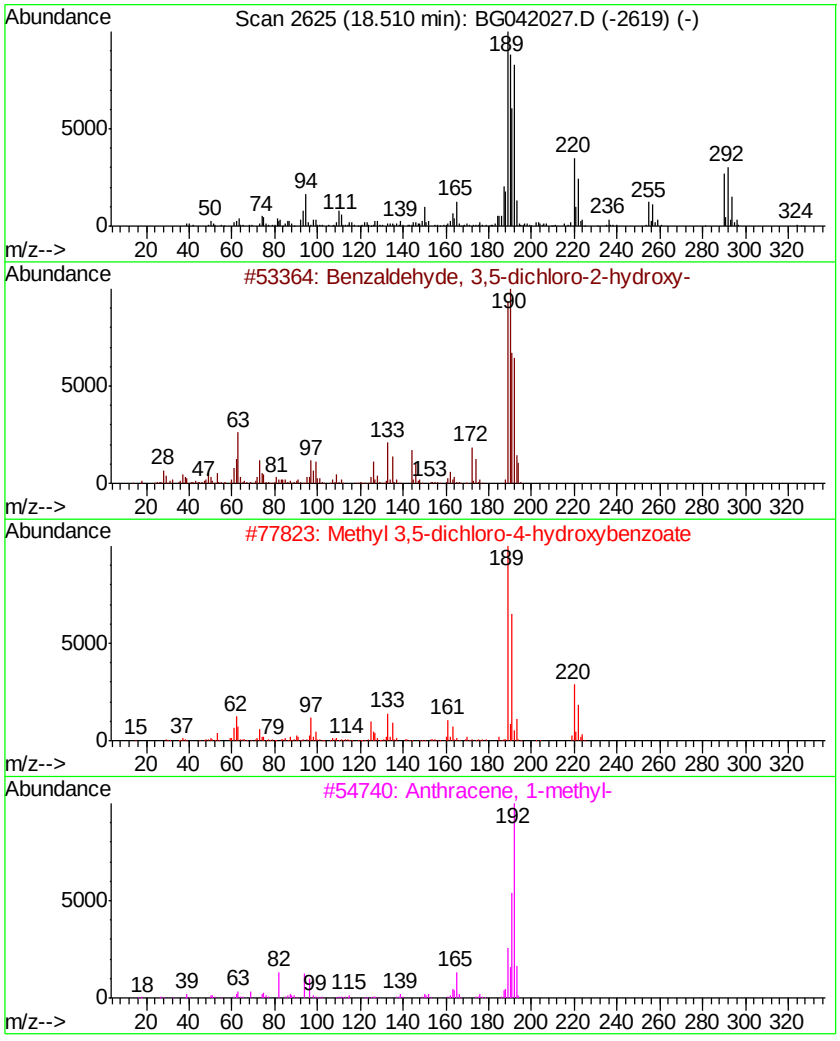
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

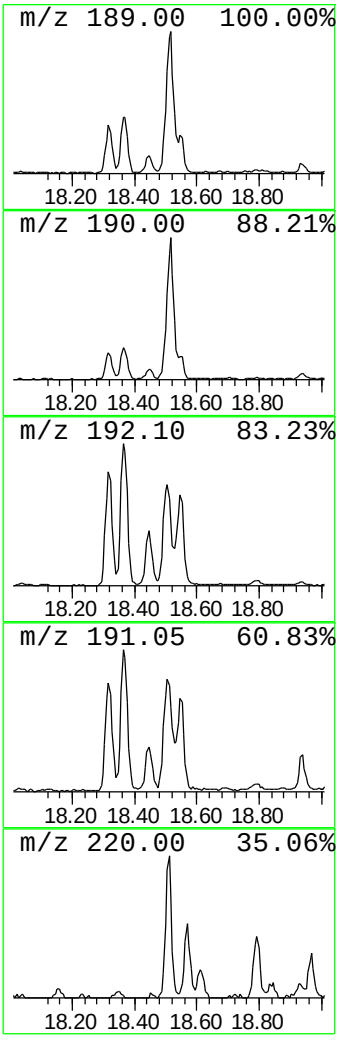
****

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	7.49 ng/ul	426673	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	58
2	Methyl 3,5-dichloro-4-hydroxyben...	220	C8H6Cl2O3	003337-59-5	46
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	35
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	30





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Acq On : 7 Aug 2019 12:25
Operator : HP/JU
Sample : K4028-03
Misc :
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Instrument : BNA_G
ClientSampleId : BEP69

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Quant Title : SVOA CALIBRATION

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

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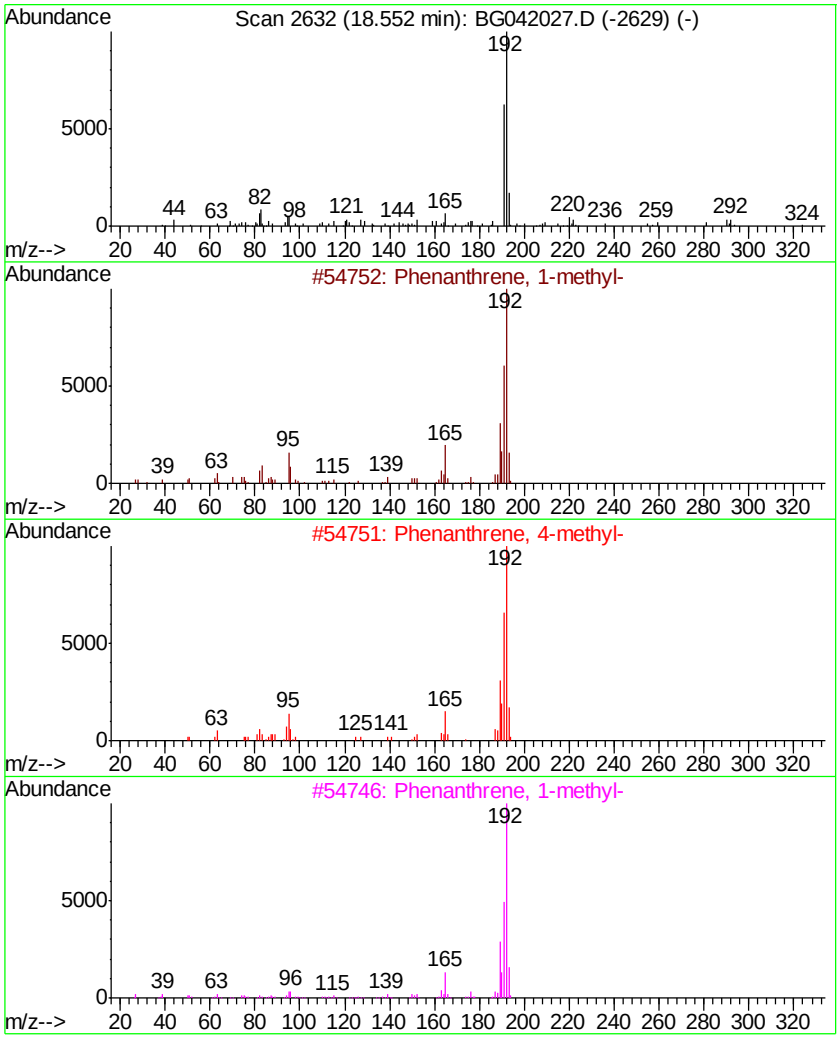
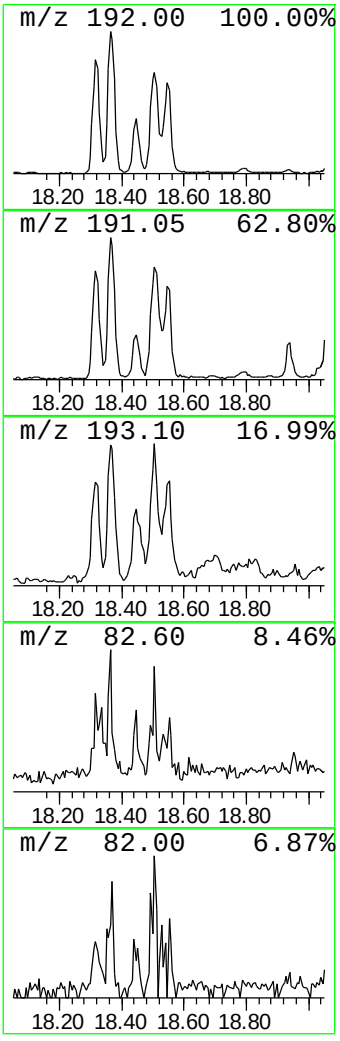
Peak Number 6 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	2.78 ng/ul	158234	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : BEP69

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Quant Title : SVOA CALIBRATION

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

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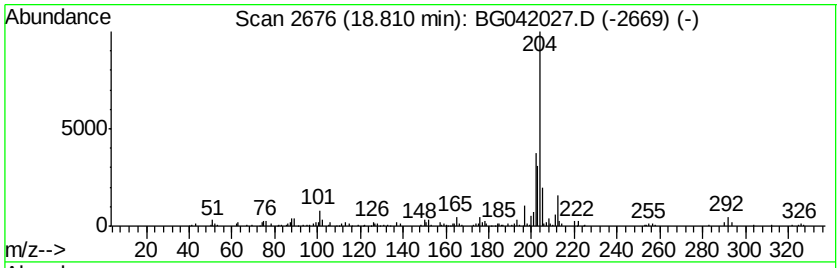
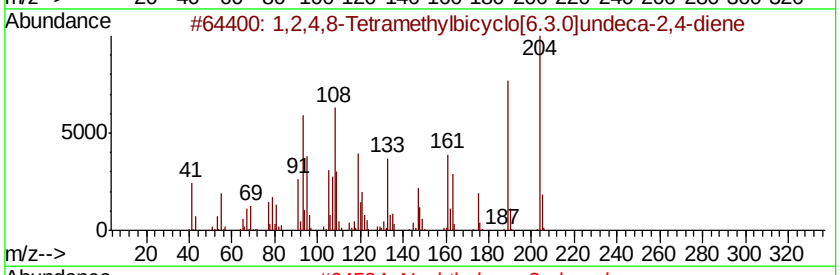
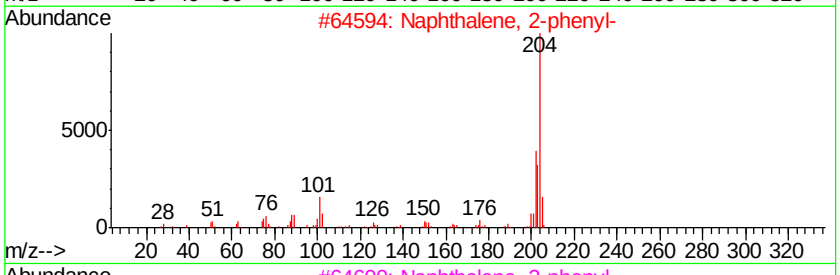
Peak Number 7 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 15

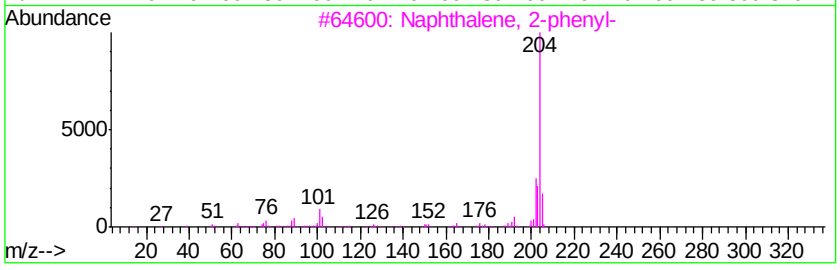
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	2.68 ng/ul	152529	Phenanthrene-d10	17.44

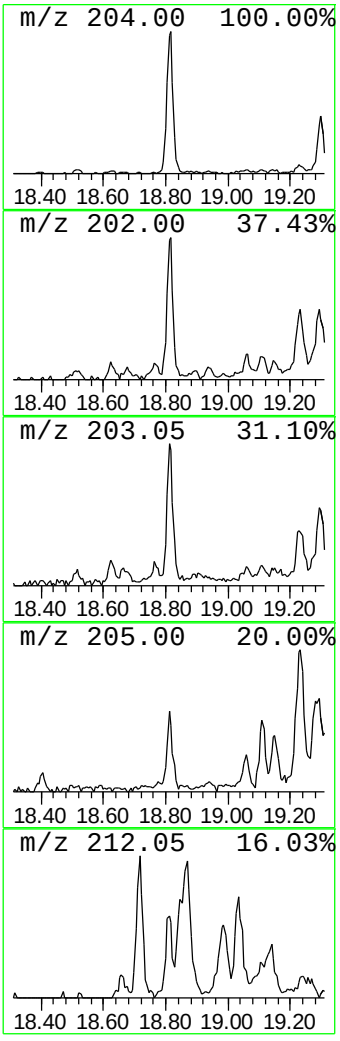
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64











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Sample : K4028-03
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Instrument : BNA_G
ClientSampleId : BEP69

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Quant Title : SVOA CALIBRATION

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

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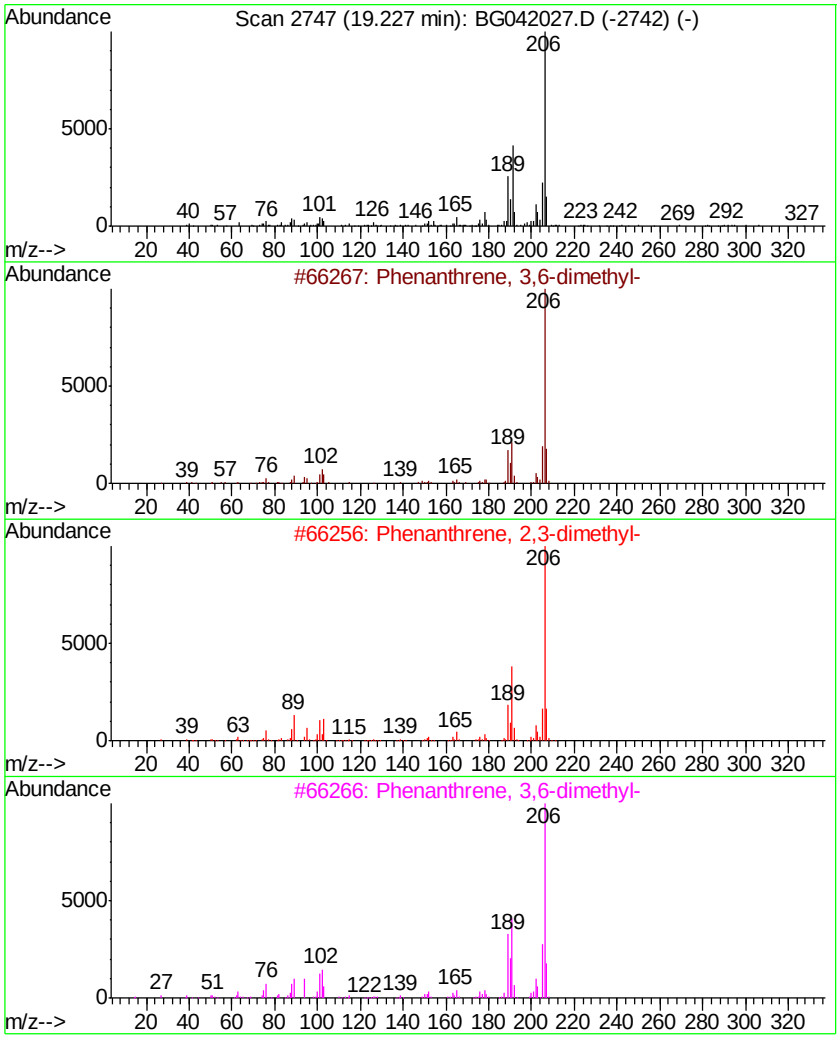
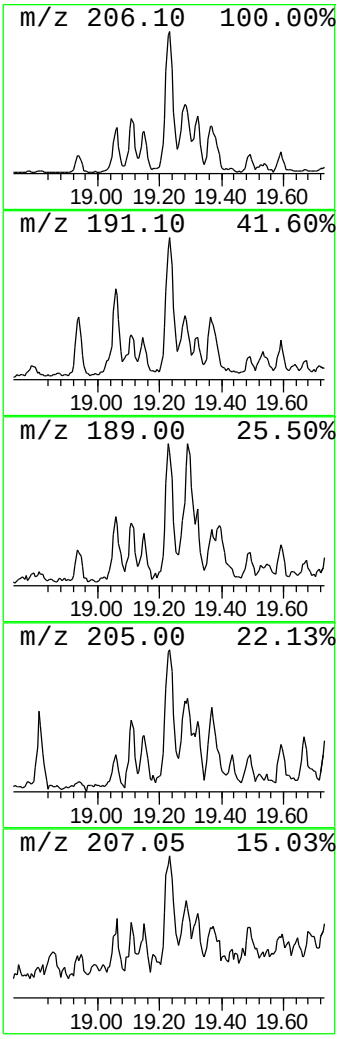
Peak Number 8 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	3.24 ng/ul	184705	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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Quant Title : SVOA CALIBRATION

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

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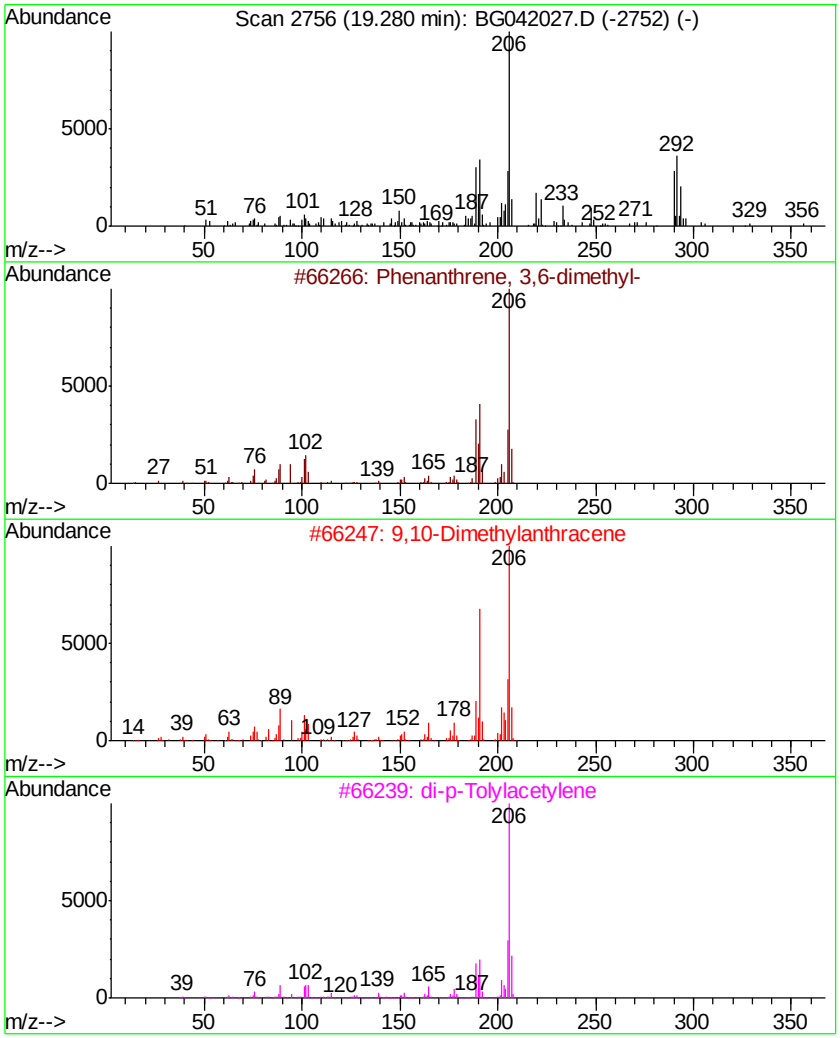
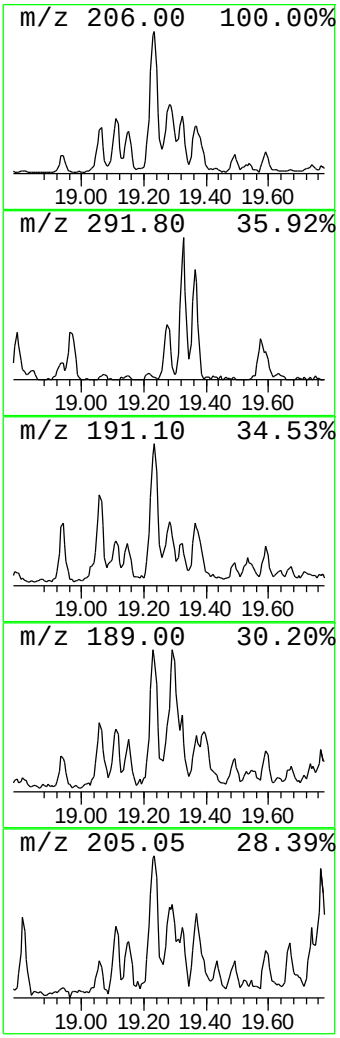
Peak Number 9 9,10-Dimethylanthracene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	2.66 ng/ul	151198	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	78
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	55
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	53
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	50
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	50





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ClientSampleId : BEP69

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Quant Title : SVOA CALIBRATION

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

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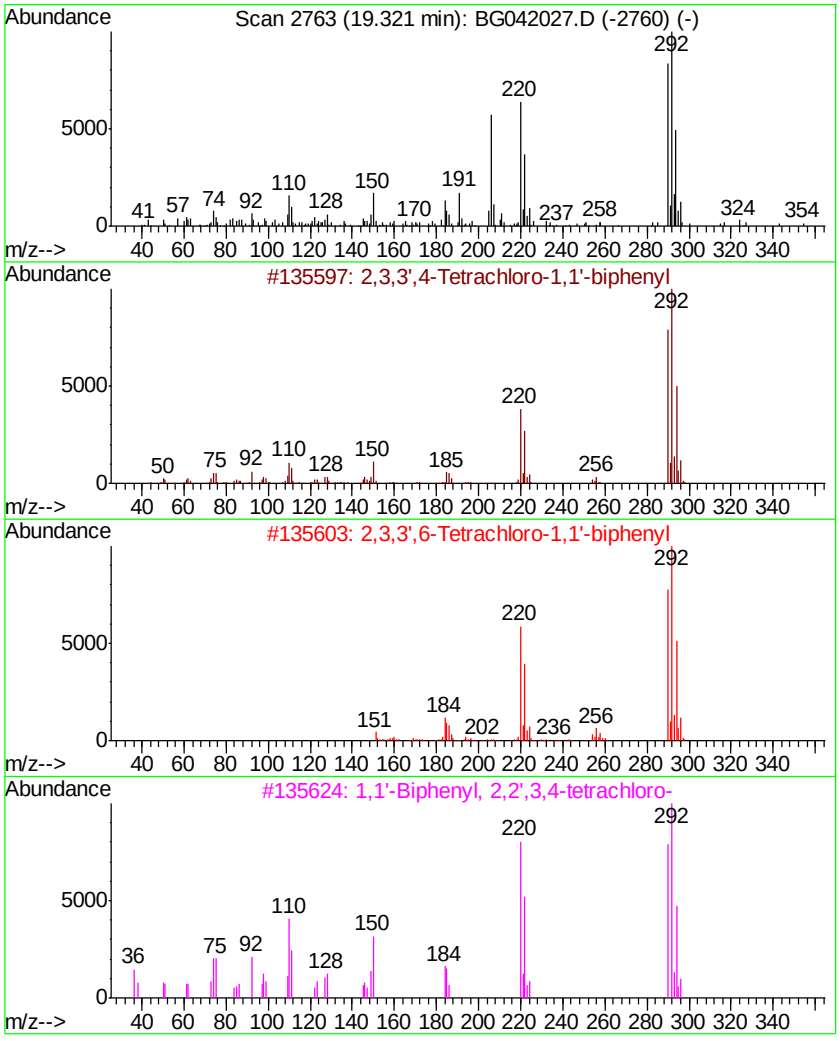
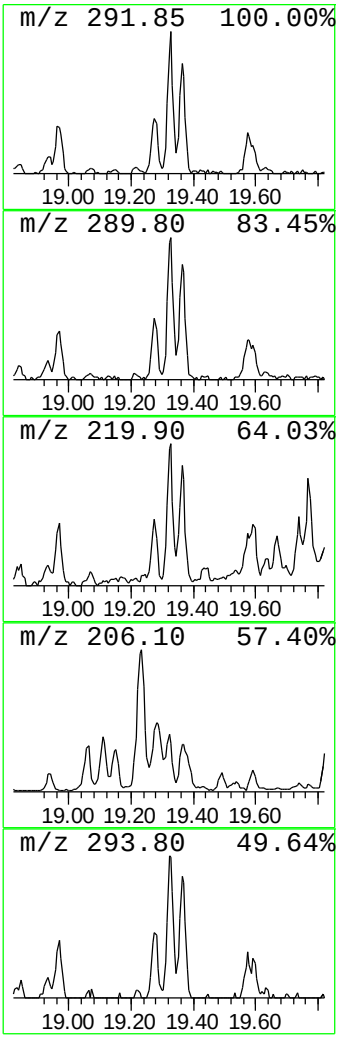
Peak Number 10 2,3,3',4-Tetrachloro-1,1'-b... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.32	2.25 ng/ul	127832	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-24-2	99
2	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99
3	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
5	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99





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Quant Title : SVOA CALIBRATION

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

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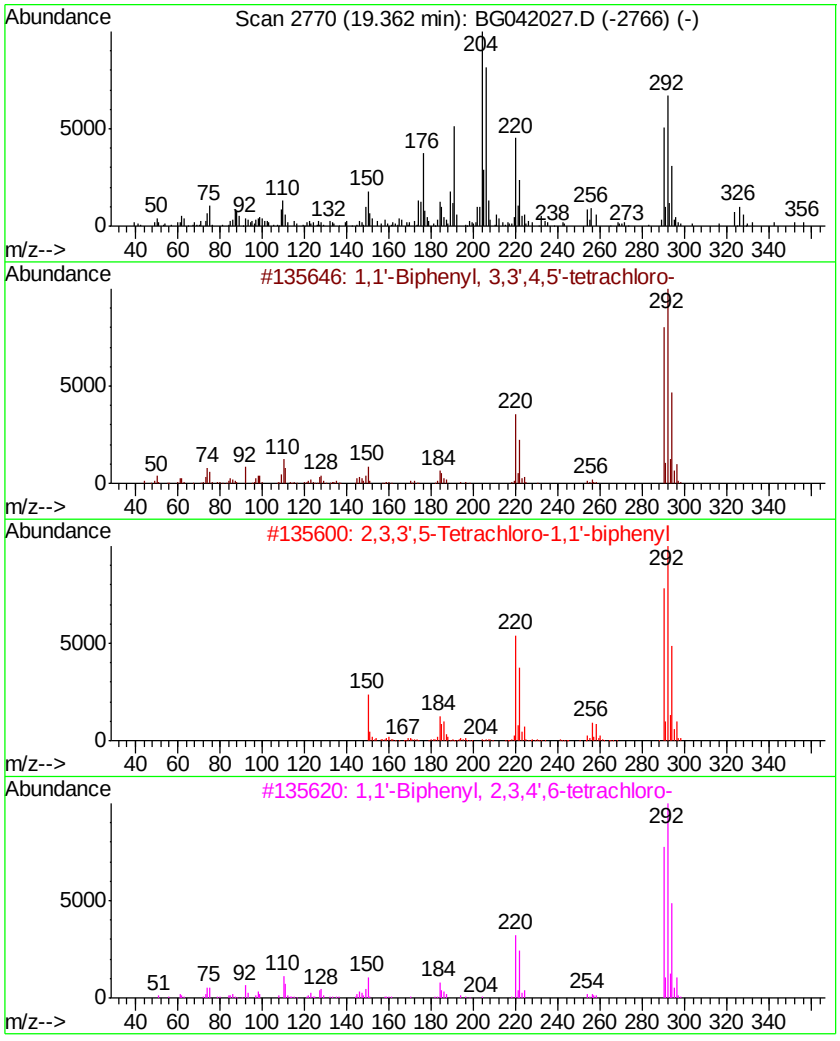
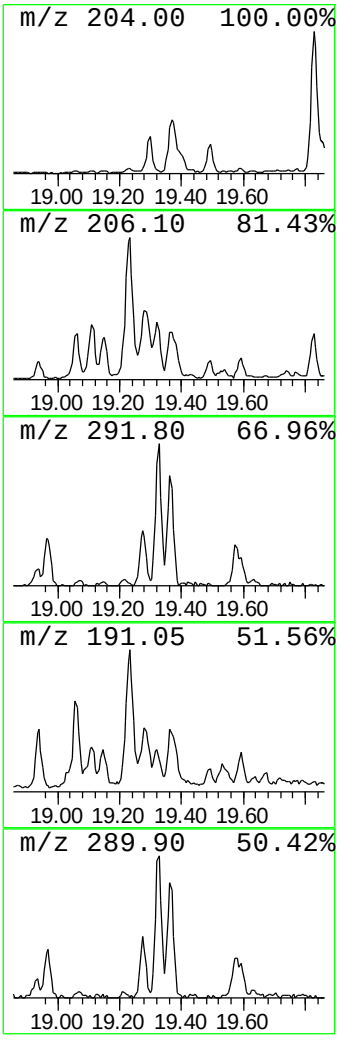
Peak Number 11 1,1'-Biphenyl, 3,3',4,5'-te... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	3.94 ng/ul	224533	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	96
2	2,3,3',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070424-67-8	93
3	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	89
4	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	87
5	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	86





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Quant Title : SVOA CALIBRATION

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

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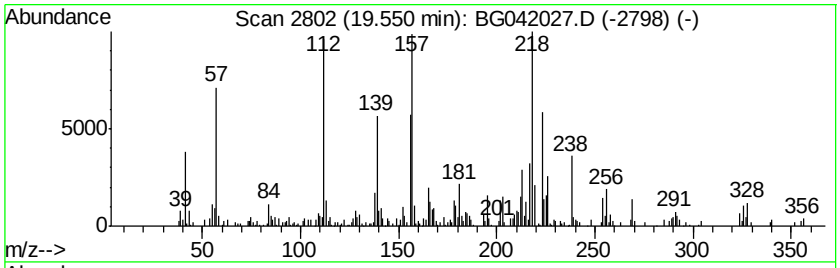
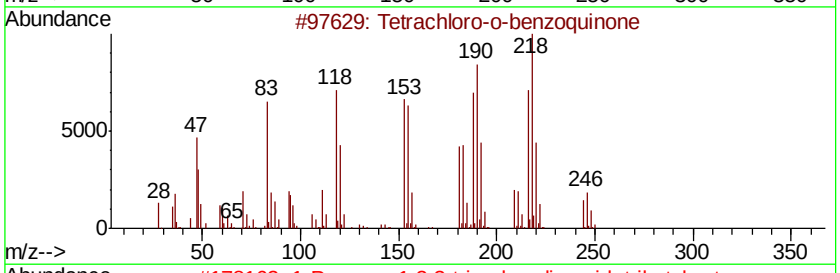
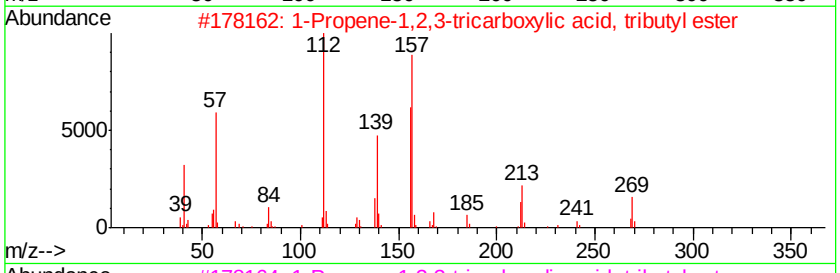
Peak Number 12 Tetrachloro-o-benzoquinone Concentration Rank 13

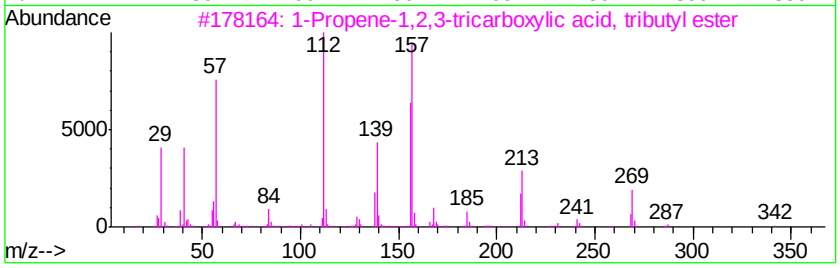
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.55	2.93 ng/ul	166961	Phenanthrene-d10	17.44

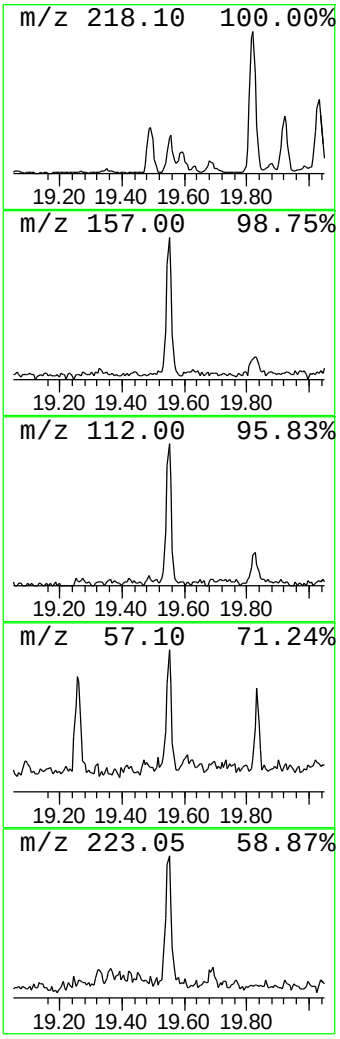
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrachloro-o-benzoquinone	244	C6Cl4O2	002435-53-2	59
2	1-Propene-1,2,3-tricarboxylic ac...	342	C18H30O6	007568-58-3	49
3	1-Propene-1,2,3-tricarboxylic ac...	342	C18H30O6	007568-58-3	38
4	Quinoline, 5,8-dimethyl-	157	C11H11N	002623-50-9	35
5	Ethanol, 2-(4-fluorophenoxy)-	156	C8H9FO2	002924-66-5	18











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Misc :
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Quant Title : SVOA CALIBRATION

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

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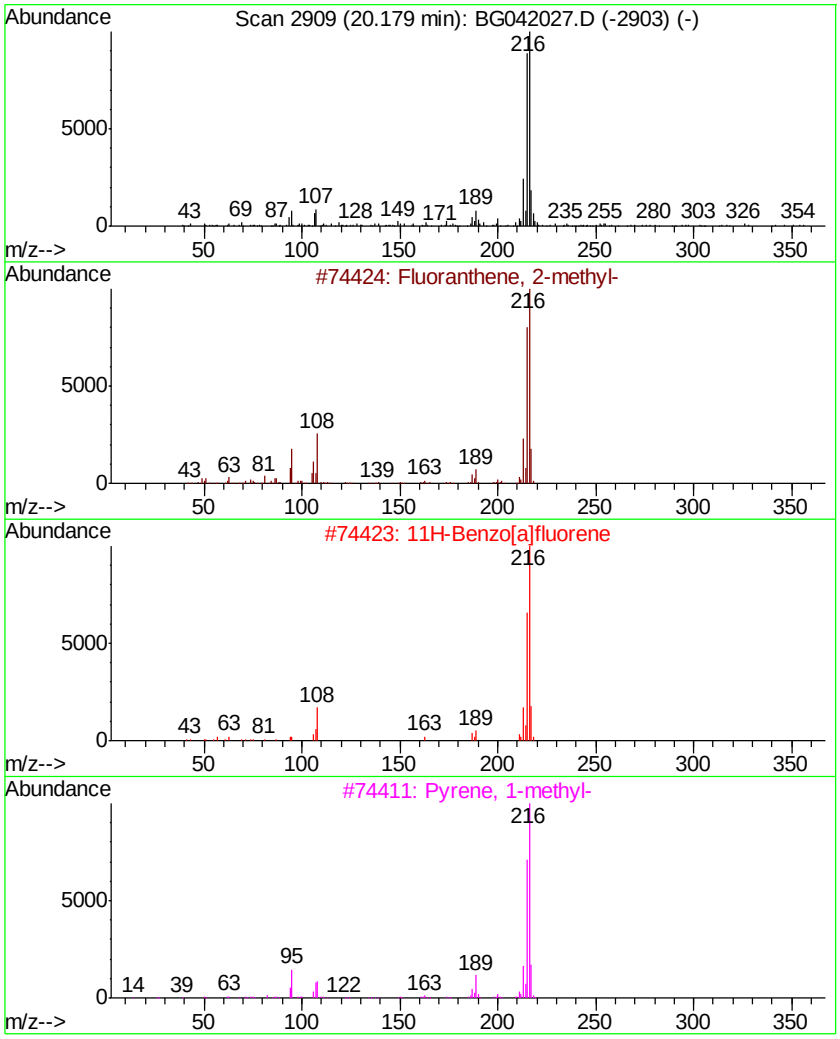
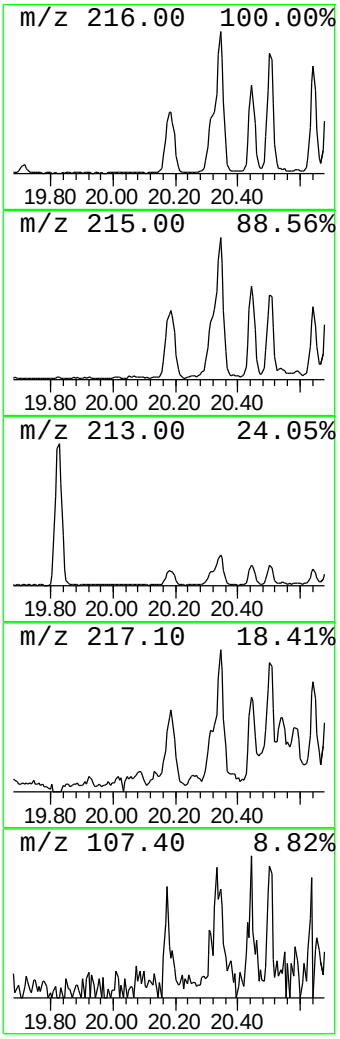
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.18	2.32 ng/ul	270425	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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ClientSampleId : BEP69

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Quant Title : SVOA CALIBRATION

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

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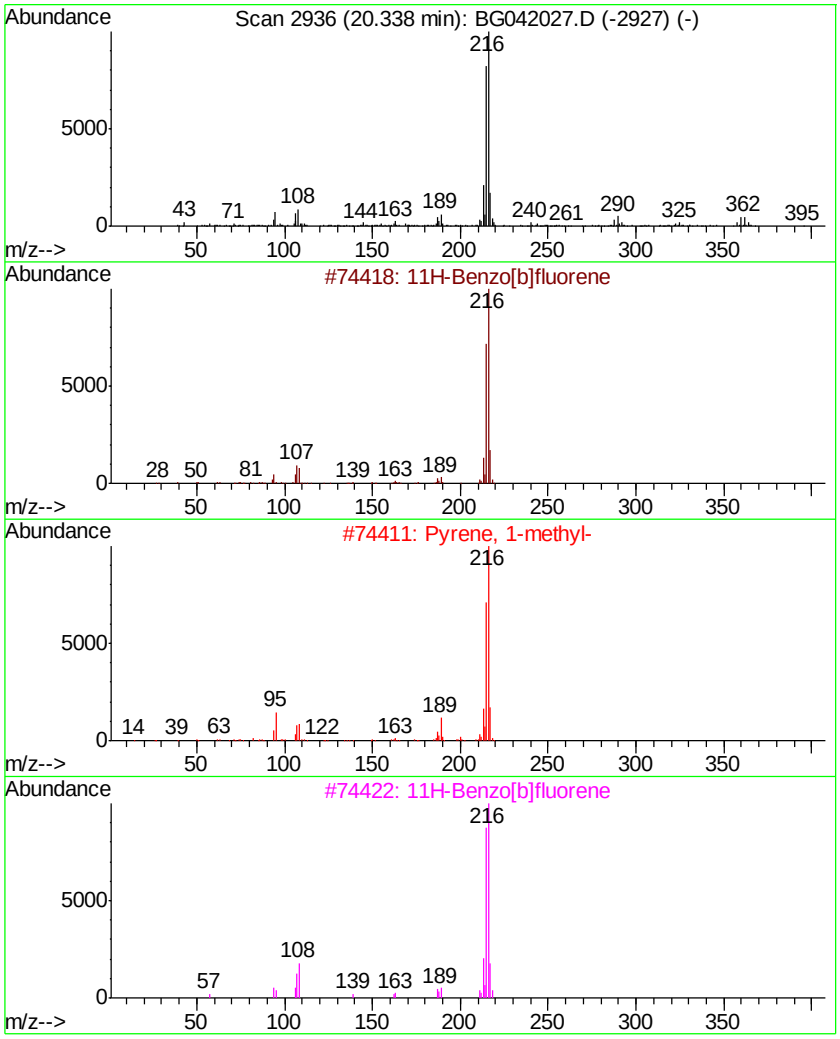
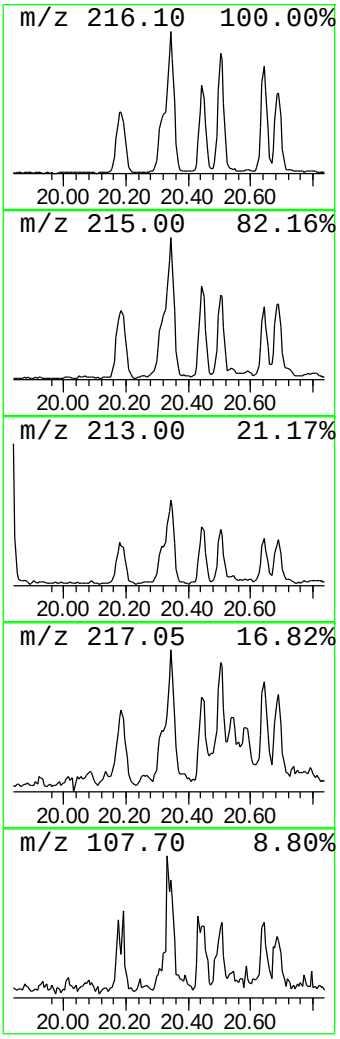
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	3.69 ng/ul	430573	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Quant Title : SVOA CALIBRATION

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

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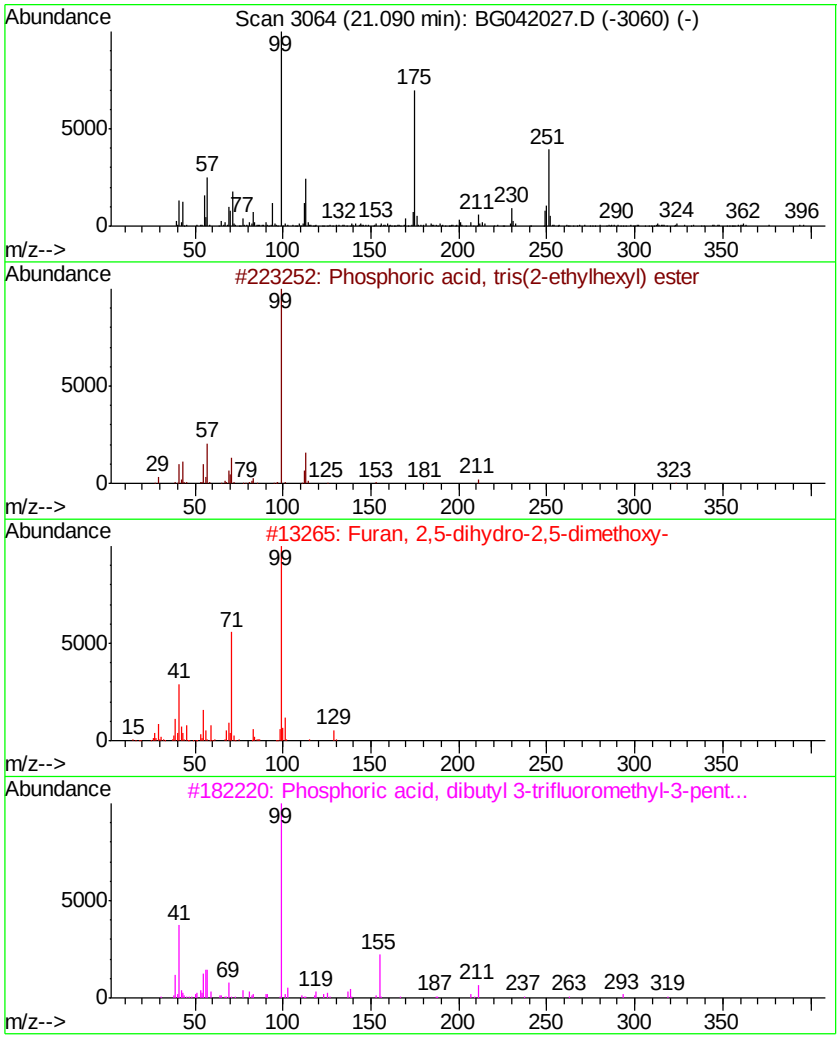
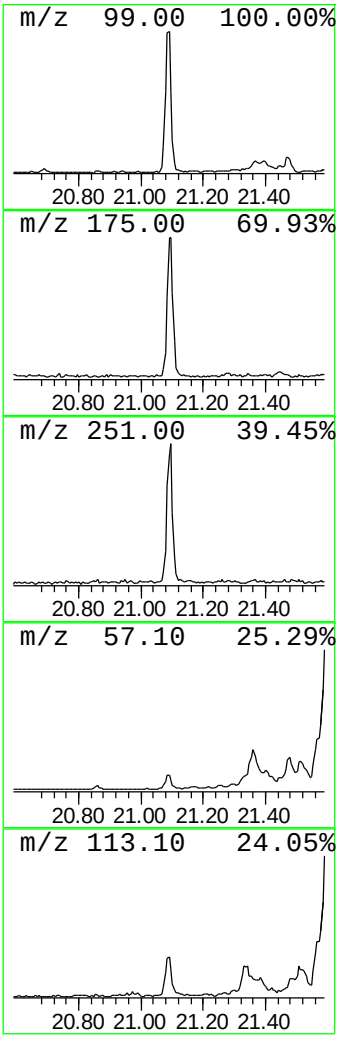
Peak Number 15 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	3.39 ng/ul	395582	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(2-ethylhex...	434	C24H51O4P	000078-42-2	30
2	Furan, 2,5-dihydro-2,5-dimethoxy-	130	C6H10O3	000332-77-4	22
3	Phosphoric acid, dibutyl 3-trifl...	348	C14H28F3O4P	1000298-93-8	12
4	Phosphoric acid, monododecyl ester	266	C12H27O4P	002627-35-2	12
5	Phosphoric acid, tris(2-ethylhex...	434	C24H51O4P	000078-42-2	10





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Data File : BG042027.D
Acq On : 7 Aug 2019 12:25
Operator : HP/JU
Sample : K4028-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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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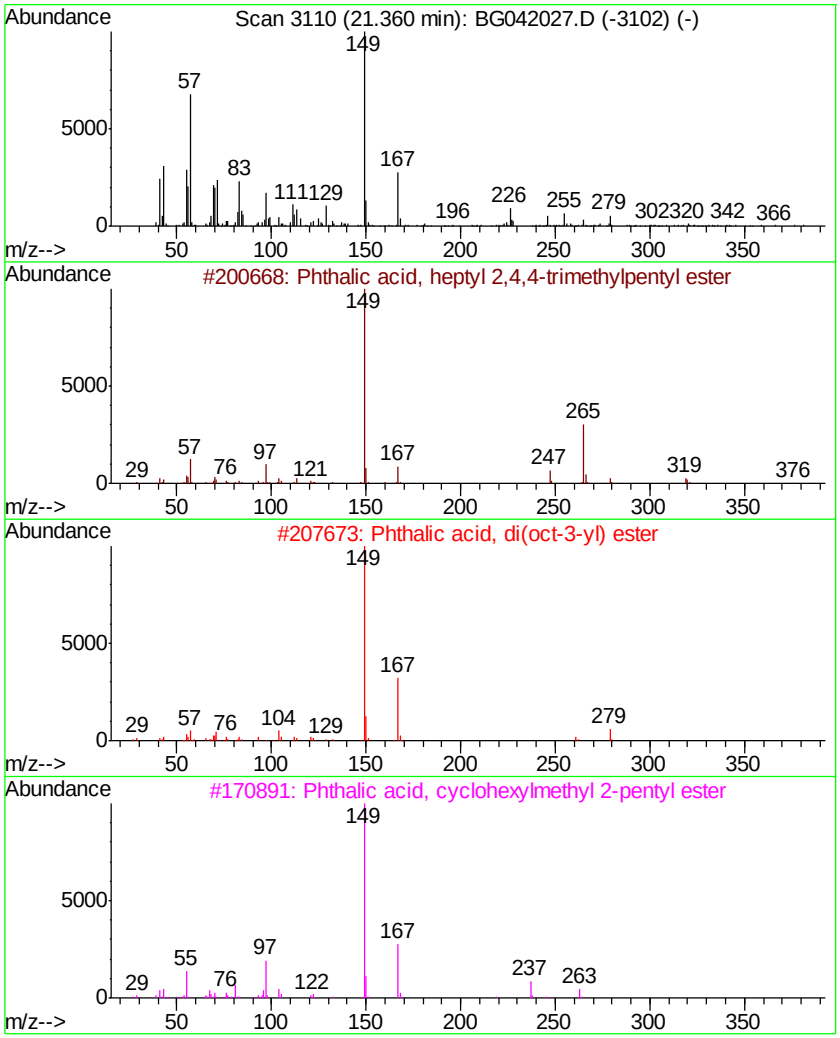
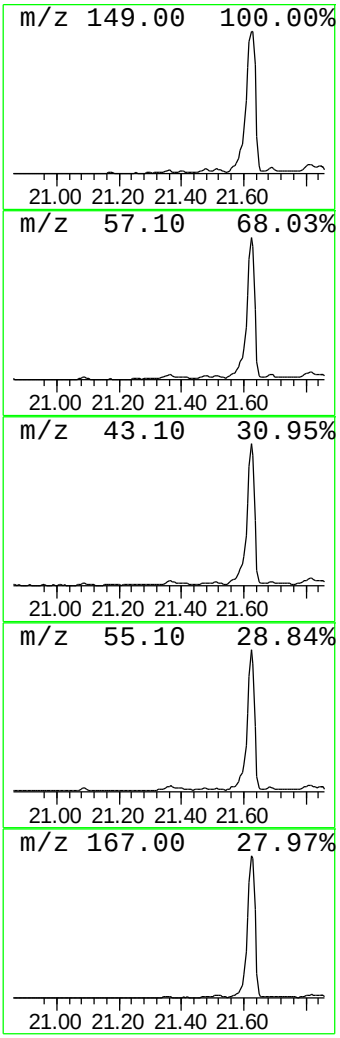
Peak Number 16 Phthalic acid, heptyl 2,4,4... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.36	3.80 ng/ul	443268	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, heptyl 2,4,4-trim...	376	C23H36O4	1000377-77-3	53
2	Phthalic acid, di(oct-3-yl) ester	390	C24H38O4	1000377-72-3	52
3	Phthalic acid, cyclohexylmethyl ...	332	C20H28O4	1000315-55-5	52
4	Phthalic acid, di(2-propylpentyl...	390	C24H38O4	1000377-93-5	50
5	Phthalic acid, 5-methylhex-2-yl ...	474	C30H50O4	1000371-07-9	47





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Operator : HP/JU
Sample : K4028-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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

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

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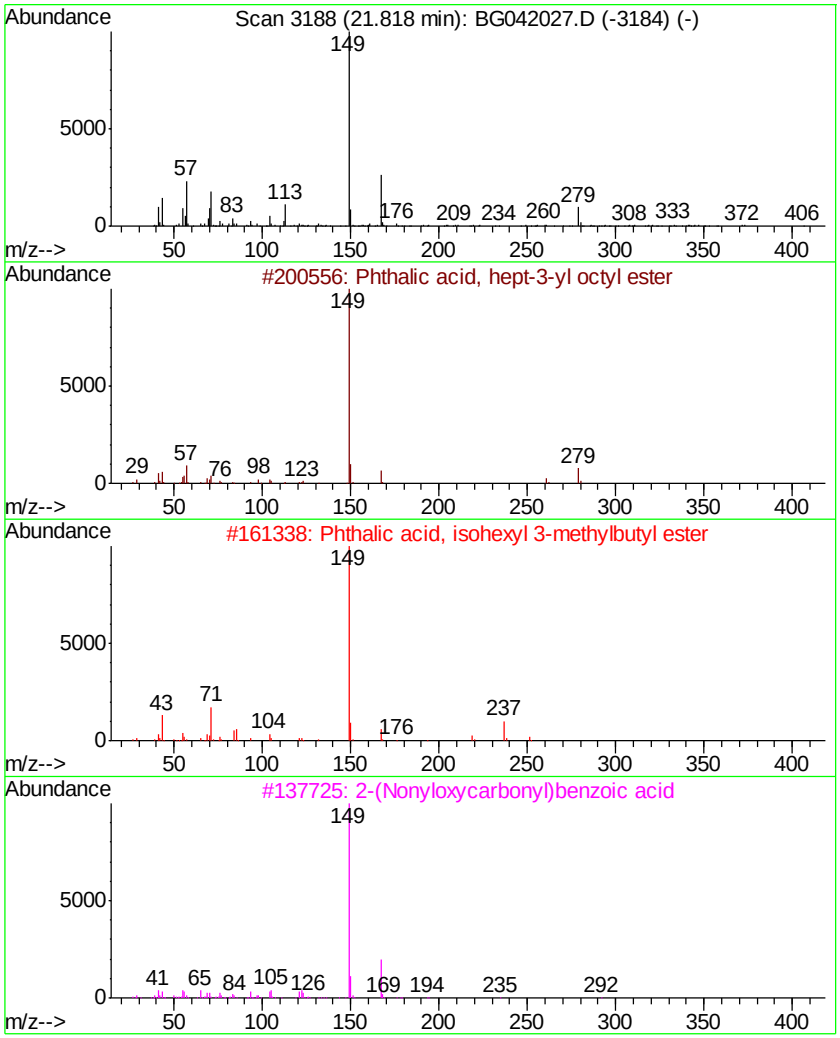
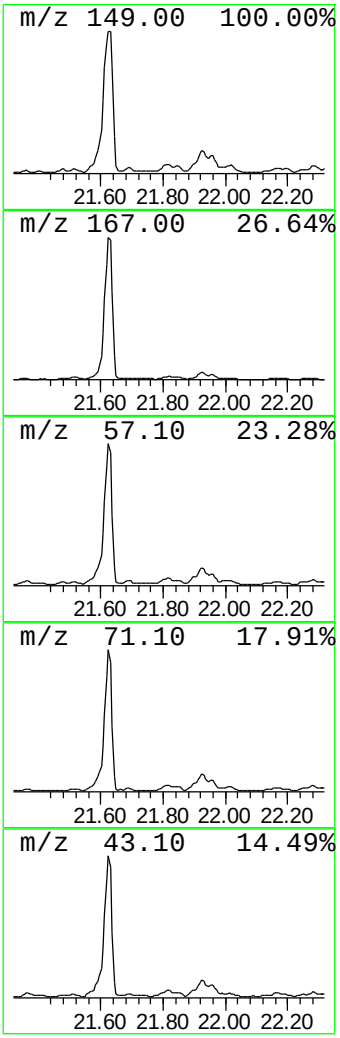
Peak Number 17 Phthalic acid, hept-3-yl oc... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.82	2.03 ng/ul	237043	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, hept-3-yl octyl e...	376	C23H36O4	1000356-99-2	59
2	Phthalic acid, isohexyl 3-methyl...	320	C19H28O4	1000356-80-6	53
3	2-(Nonyloxycarbonyl)benzoic acid	292	C17H24O4	1000373-89-9	52
4	Phthalic acid, 3-fluorophenyl te...	456	C28H37FO4	1000356-66-6	50
5	Phthalic acid, heptyl octyl ester	376	C23H36O4	088216-58-4	50





Library Search Compound Report

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Data File : BG042027.D
Acq On : 7 Aug 2019 12:25
Operator : HP/JU
Sample : K4028-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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

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

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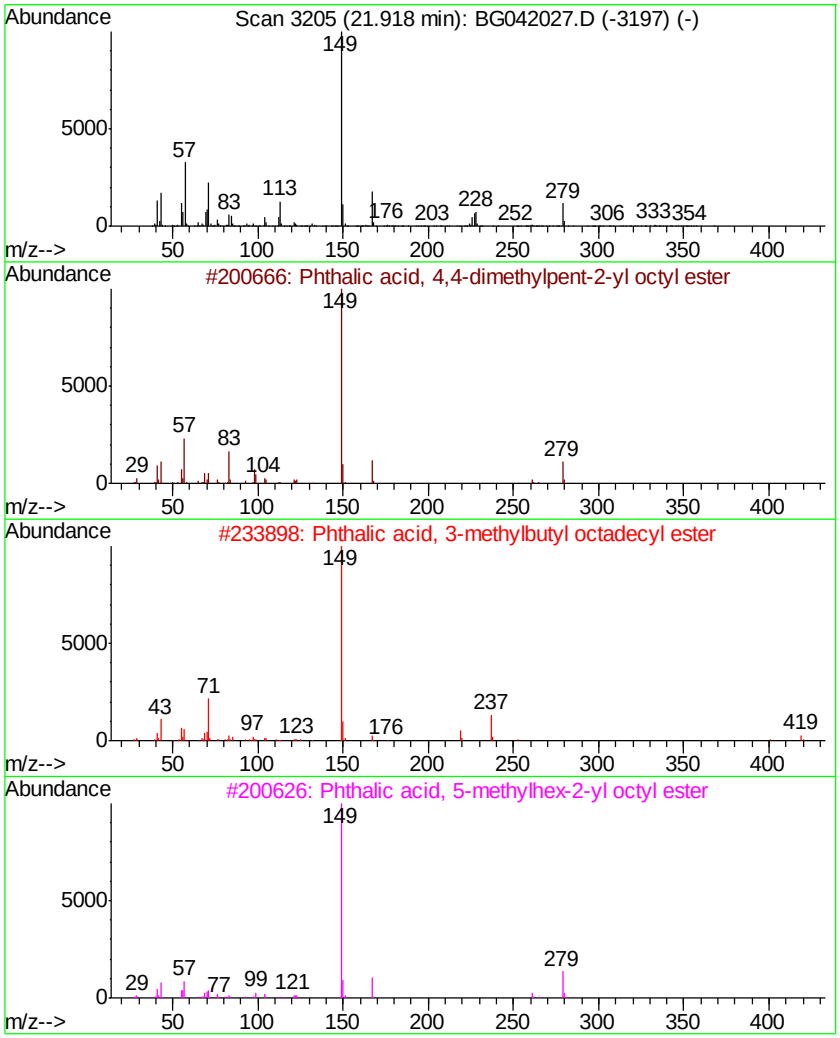
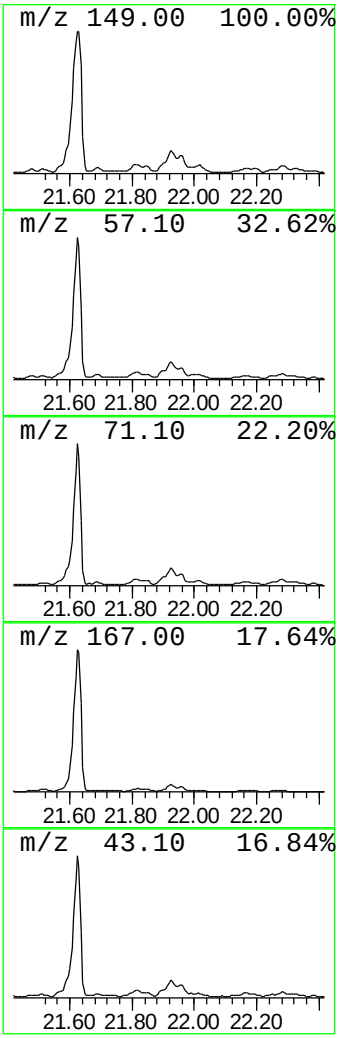
Peak Number 18 Phthalic acid, 4,4-dimethyl... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.92	16.17 ng/ul	1888660	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 4,4-dimethylpent-...	376	C23H36O4	1000371-13-7	64
2	Phthalic acid, 3-methylbutyl oct...	488	C31H52O4	1000356-81-9	53
3	Phthalic acid, 5-methylhex-2-yl ...	376	C23H36O4	1000371-08-6	53
4	Phthalic acid, di(2-methylbutyl)...	306	C18H26O4	1000322-82-5	50
5	Phthalic acid, 5-methylhex-2-yl ...	502	C32H54O4	1000371-07-7	50





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Acq On : 7 Aug 2019 12:25
Operator : HP/JU
Sample : K4028-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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

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

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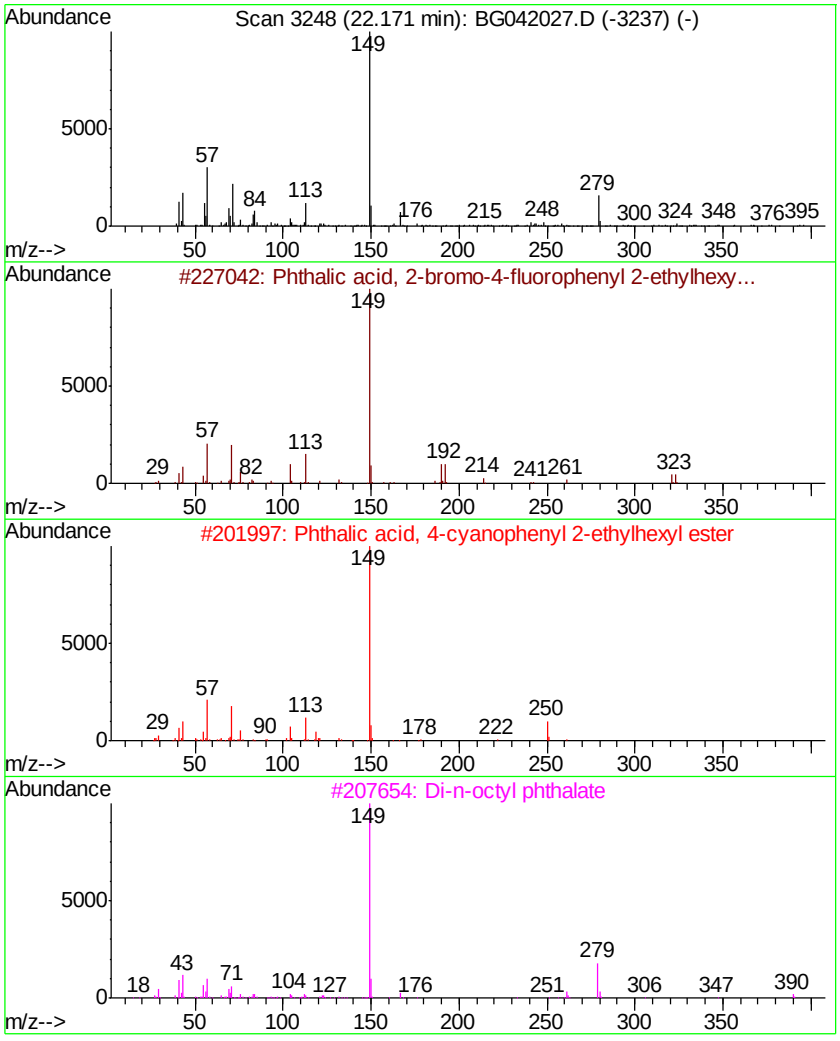
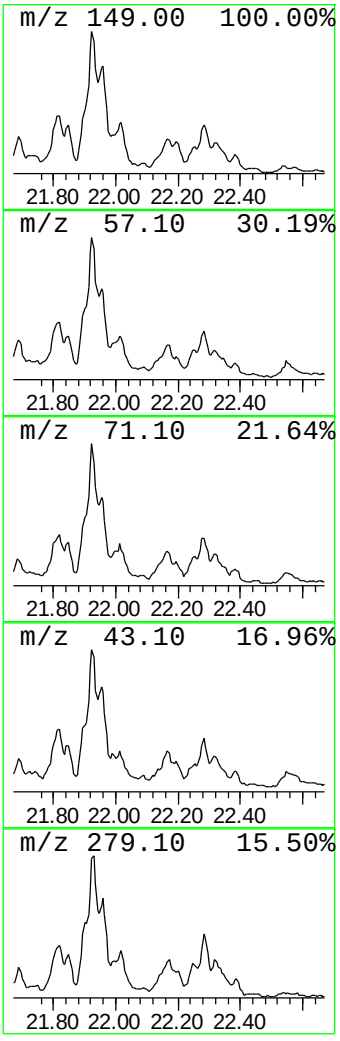
Peak Number 19 Phthalic acid, 2-bromo-4-fl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.17	4.98 ng/ul	581092	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 2-bromo-4-fluorop...	450	C22H24BrFO4	1000315-63-3	64
2	Phthalic acid, 4-cyanophenyl 2-e...	379	C23H25NO4	1000315-51-9	64
3	Di-n-octyl phthalate	390	C24H38O4	000117-84-0	59
4	Phthalic acid, hept-3-yl octyl e...	376	C23H36O4	1000356-99-2	59
5	Phthalic acid, 3-methylbutyl oct...	488	C31H52O4	1000356-81-9	59





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Acq On : 7 Aug 2019 12:25
Operator : HP/JU
Sample : K4028-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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

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

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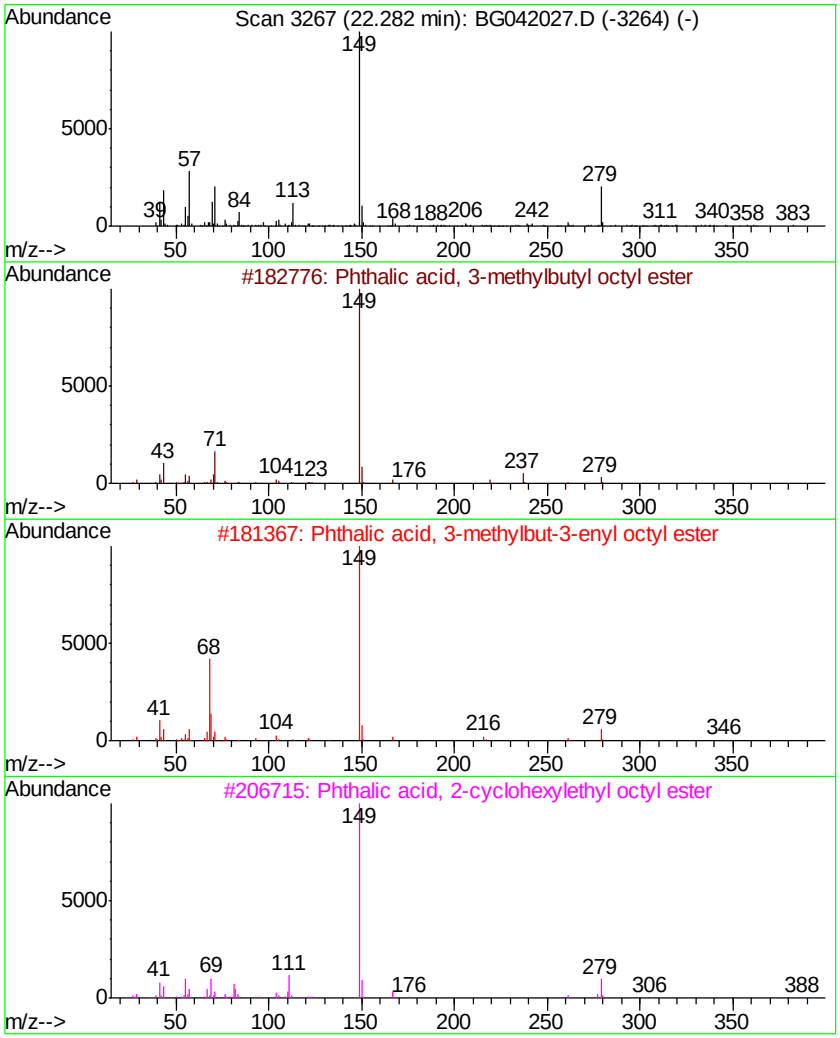
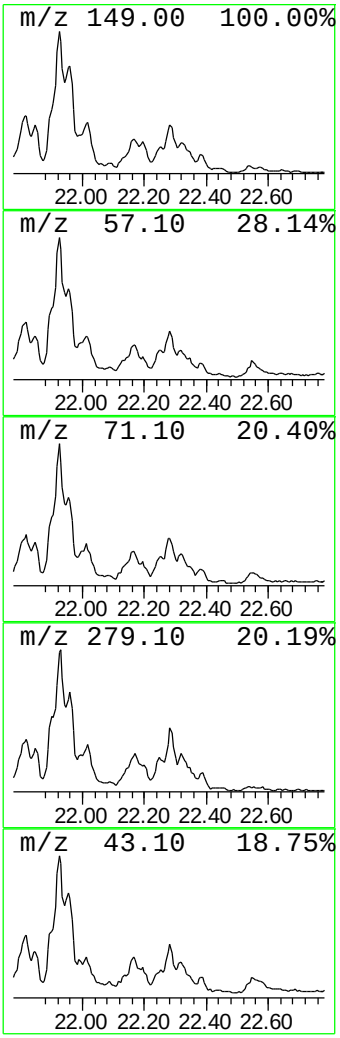
Peak Number 20 Phthalic acid, 3-methylbuty... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	2.09 ng/ul	243640	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 3-methylbutyl oct...	348	C21H32O4	1000356-80-9	64
2	Phthalic acid, 3-methylbut-3-eny...	346	C21H30O4	1000357-10-6	58
3	Phthalic acid, 2-cyclohexylethyl...	388	C24H36O4	1000309-87-8	53
4	Phthalic acid, 3,5-difluorophenyl...	390	C22H24F2O4	1000314-96-5	53
5	1,2-Benzenedicarboxylic acid, de...	418	C26H42O4	000119-07-3	50





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Operator : HP/JU
Sample : K4028-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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

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

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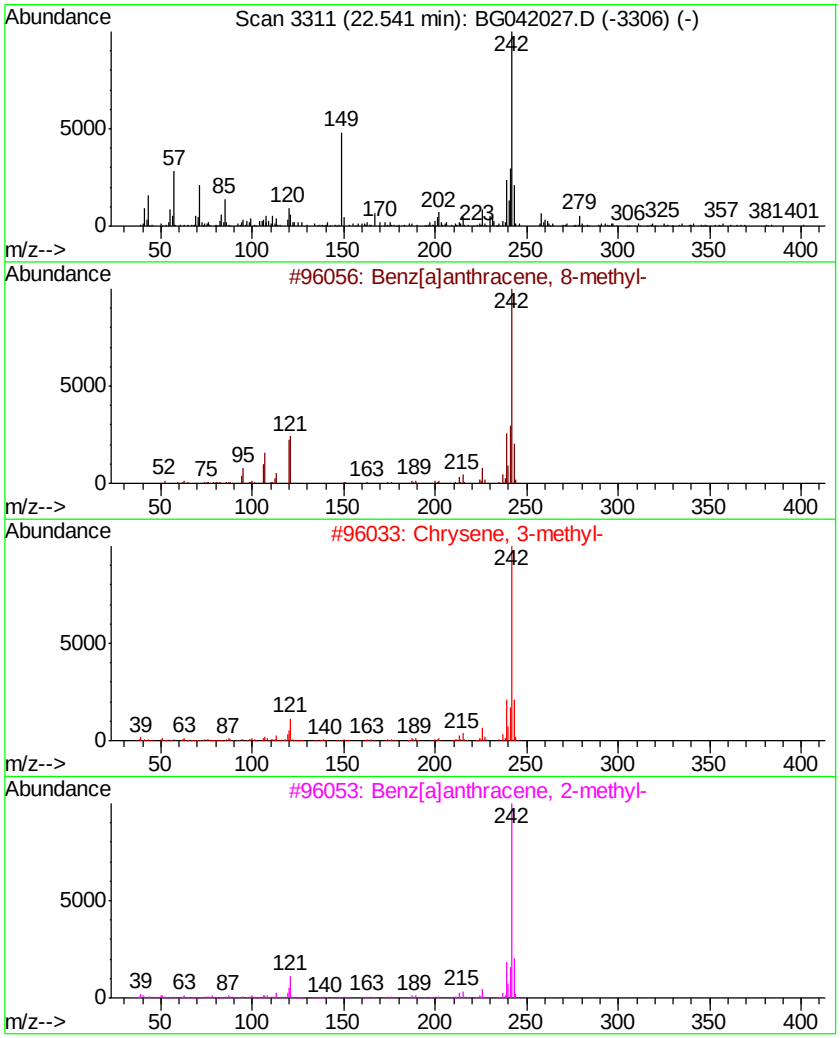
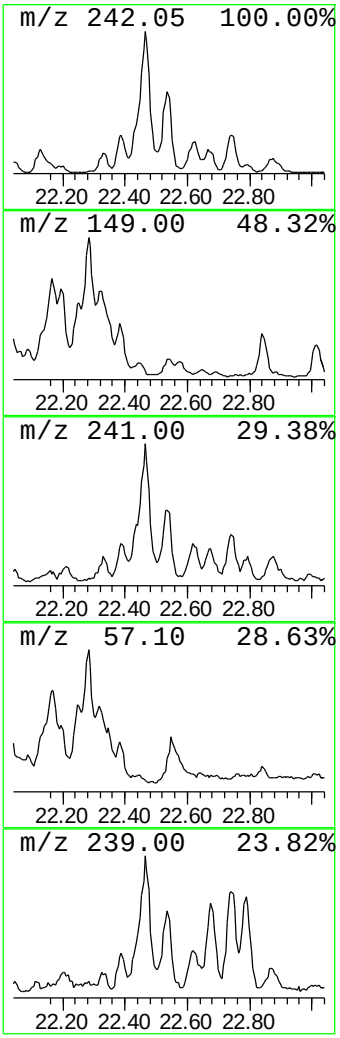
Peak Number 21 Chrysene, 5-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	2.16 ng/ul	252708	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	83
2	Chrysene, 3-methyl-	242	C19H14	003351-31-3	78
3	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	78
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	64
5	2-Methylchrysene	242	C19H14	003351-32-4	64





Library Search Compound Report

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Acq On : 7 Aug 2019 12:25
Operator : HP/JU
Sample : K4028-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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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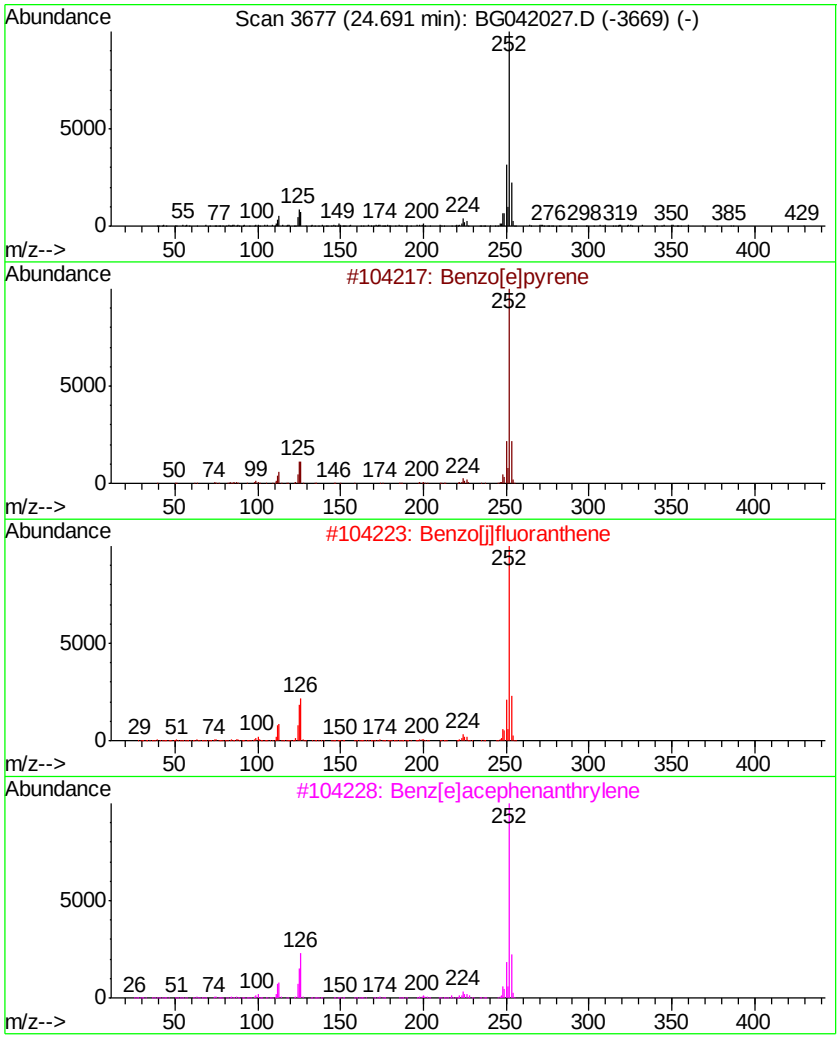
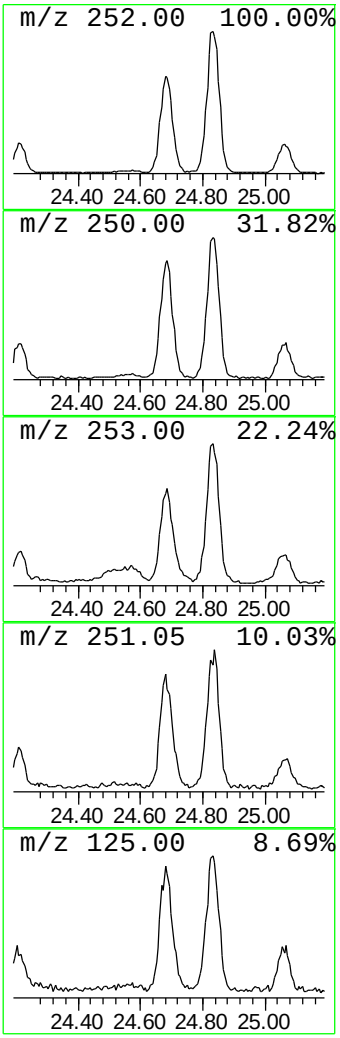
Peak Number 22 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.69	6.66 ng/ul	444761	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

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Data File : BG042027.D
Acq On : 7 Aug 2019 12:25
Operator : HP/JU
Sample : K4028-03
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP69

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	104.3	ng/ul	2070920	1	8.03	397001	20.0
Phthalic acid, 4-...	17.83	2.3	ng/ul	132406	4	17.44	1138720	20.0
Phenanthrene, 1-m...	18.32	4.1	ng/ul	232943	4	17.44	1138720	20.0
Anthracene, 1-met...	18.36	3.8	ng/ul	213717	4	17.44	1138720	20.0
Benzaldehyde, 3,5...	18.51	7.5	ng/ul	426673	4	17.44	1138720	20.0
Anthracene, 9-met...	18.55	2.8	ng/ul	158234	4	17.44	1138720	20.0
1,2,4,8-Tetrameth...	18.81	2.7	ng/ul	152529	4	17.44	1138720	20.0
Phenanthrene, 3,6...	19.23	3.2	ng/ul	184705	4	17.44	1138720	20.0
9,10-Dimethylanth...	19.28	2.7	ng/ul	151198	4	17.44	1138720	20.0
2,3,3',4-Tetrachl...	19.32	2.3	ng/ul	127832	4	17.44	1138720	20.0
1,1'-Biphenyl, 3,...	19.36	3.9	ng/ul	224533	4	17.44	1138720	20.0
Tetrachloro-o-ben...	19.55	2.9	ng/ul	166961	4	17.44	1138720	20.0
Fluoranthene, 2-m...	20.18	2.3	ng/ul	270425	5	21.72	2335510	20.0
11H-Benzo[b]fluorene	20.34	3.7	ng/ul	430573	5	21.72	2335510	20.0
unknown-01	21.09	3.4	ng/ul	395582	5	21.72	2335510	20.0
Phthalic acid, he...	21.36	3.8	ng/ul	443268	5	21.72	2335510	20.0
Phthalic acid, he...	21.82	2.0	ng/ul	237043	5	21.72	2335510	20.0
Phthalic acid, 4,...	21.92	16.2	ng/ul	1888660	5	21.72	2335510	20.0
Phthalic acid, 2-...	22.17	5.0	ng/ul	581092	5	21.72	2335510	20.0
Phthalic acid, 3-...	22.28	2.1	ng/ul	243640	5	21.72	2335510	20.0
Chrysene, 5-methyl-	22.54	2.2	ng/ul	252708	5	21.72	2335510	20.0
Benzo[e]pyrene	24.69	6.7	ng/ul	444761	6	24.99	1335480	20.0