LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042028.D
Acq On : 7 Aug 2019 13:04
Operator : HP/JU
Sample : K4028-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP68

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	3.148	5	10	27	rVB	1326823	2130791	20.53%	4.378%
2	7.178	688	696	708	rBV	131411	258236	2.49%	0.531%
3	7.343	717	724	738	rBV	102672	180346	1.74%	0.371%
4	7.554	753	760	772	rBV	147171	265938	2.56%	0.546%
5	8.024	833	840	849	rBV	232519	407763	3.93%	0.838%
6	8.729	954	960	971	rBV	167850	321340	3.10%	0.660%
7	9.188	1032	1038	1048	rBV	133186	247934	2.39%	0.509%
8	9.922	1150	1163	1174	rBV	120627	222523	2.14%	0.457%
9	10.468	1249	1256	1275	rBV	200939	391348	3.77%	0.804%
10	10.850	1313	1321	1328	rBV	356059	638545	6.15%	1.312%
11	10.980	1335	1343	1361	rBV	115339	250978	2.42%	0.516%
12	14.005	1851	1858	1863	rBV3	13679	25880	0.25%	0.053%
13	14.082	1863	1871	1876	rBV	395700	624989	6.02%	1.284%
14	14.129	1876	1879	1885	rVB	198954	282329	2.72%	0.580%
15	14.376	1914	1921	1939	rVB	484965	812113	7.82%	1.669%
16	14.687	1964	1974	1981	rBV2	622905	980999	9.45%	2.016%
17	14.746	1981	1984	1992	rVB2	25661	42198	0.41%	0.087%
18	14.869	1999	2005	2020	rBV2	90606	213631	2.06%	0.439%
19	15.092	2037	2043	2049	rVB3	26605	45905	0.44%	0.094%
20	15.486	2102	2110	2116	rBV8	15702	42687	0.41%	0.088%
21	15.680	2134	2143	2149	rBV	639962	986202	9.50%	2.026%
22	15.733	2149	2152	2156	rVV2	32115	42777	0.41%	0.088%
23	15.792	2156	2162	2171	rVV	124564	216521	2.09%	0.445%
24	15.944	2184	2188	2192	rVB5	23867	36130	0.35%	0.074%
25	16.027	2197	2202	2211	rVB3	17953	50867	0.49%	0.105%
26	16.185	2219	2229	2235	rVB5	12305	34871	0.34%	0.072%
27	16.250	2235	2240	2251	rVB8	11499	28299	0.27%	0.058%
28	16.408	2258	2267	2274	rVV8	27696	70713	0.68%	0.145%
29	16.549	2286	2291	2300	rBV10	20189	47513	0.46%	0.098%
30	16.743	2317	2324	2328	rVV5	22744	41804	0.40%	0.086%
31	16.790	2328	2332	2338	rVV5	16965	32658	0.31%	0.067%
32	16.967	2355	2362	2366	rBV6	19895	49623	0.48%	0.102%
33	17.090	2379	2383	2390	rVB2	21167	33685	0.32%	0.069%
34	17.196	2391	2401	2406	rBV10	19561	61254	0.59%	0.126%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4028-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP68

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	17.255	2407	2411	2418	rVB	31846	42974	0.41%	0.088%
36	17.319	2418	2422	2424	rBV3	25380	40439	0.39%	0.083%
37	17.437	2432	2442	2446	rBV2	740467	1186533	11.43%	2.438%
38	17.478	2446	2449	2454	rVB	432413	584715	5.63%	1.201%
39	17.537	2454	2459	2463	rBV2	657558	971105	9.36%	1.995%
40	17.625	2470	2474	2480	rVB5	28136	52971	0.51%	0.109%
41	17.836	2505	2510	2515	rBV2	60936	104100	1.00%	0.214%
42	17.889	2515	2519	2522	rVV4	28702	38341	0.37%	0.079%
43	18.024	2537	2542	2549	rBV3	98664	174764	1.68%	0.359%
44	18.159	2560	2565	2572	rBV3	40585	82368	0.79%	0.169%
45	18.236	2573	2578	2582	rBV6	23483	38680	0.37%	0.079%
46	18.324	2583	2593	2596	rBV	180112	369264	3.56%	0.759%
47	18.365	2596	2600	2605	rVV	225040	357153	3.44%	0.734%
48	18.447	2609	2614	2619	rVV	74066	116778	1.13%	0.240%
49	18.512	2619	2625	2629	rVV3	344437	650019	6.26%	1.336%
50	18.547	2629	2631	2638	rVB3	133419	259802	2.50%	0.534%
51	18.618	2639	2643	2648	rBV3	38732	74095	0.71%	0.152%
52	18.712	2656	2659	2664	rVB	33572	45146	0.43%	0.093%
53	18.812	2669	2676	2679	rBV2	103867	224998	2.17%	0.462%
54	18.847	2680	2682	2693	rVB3	90062	158435	1.53%	0.326%
55	18.941	2693	2698	2700	rBV2	47161	73533	0.71%	0.151%
56	19.058	2710	2718	2722	rBV3	91993	191176	1.84%	0.393%
57	19.105	2724	2726	2730	rVV	61527	84684	0.82%	0.174%
58	19.146	2730	2733	2738	rVB3	56365	77783	0.75%	0.160%
59	19.229	2742	2747	2751	rBV	198112	342331	3.30%	0.703%
60	19.287	2751	2757	2760	rVV5	104935	261461	2.52%	0.537%
61	19.323	2760	2763	2766	rVV	113221	159643	1.54%	0.328%
62	19.364	2766	2770	2778	rVB6	168401	315458	3.04%	0.648%
63	19.493	2786	2792	2798	rBV	1029664	1440288	13.88%	2.960%
64	19.552	2798	2802	2806	rBV4	101129	154081	1.48%	0.317%
65	19.634	2812	2816	2821	rVB2	141676	194593	1.87%	0.400%
66	19.693	2823	2826	2830	rVB2	69699	86572	0.83%	0.178%
67	19.734	2830	2833	2836	rBV2	54439	61653	0.59%	0.127%
68	19.828	2843	2849	2851	rBV2	1026985	1586495	15.28%	3.260%
69	19.857	2851	2854	2862	rVV	1181190	1712255	16.50%	3.518%
70	19.928	2862	2866	2871	rVV2	85475	148477	1.43%	0.305%
71	19.975	2871	2874	2878	rVB5	37591	47341	0.46%	0.097%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4028-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP68

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	20.022	2878	2882	2886	rBV3	76627	129243	1.25%	0.266%
73	20.081	2888	2892	2900	rVB4	176270	286046	2.76%	0.588%
74	20.186	2903	2910	2919	rBV3	158805	465678	4.49%	0.957%
75	20.345	2927	2937	2941	rBV	352486	678462	6.54%	1.394%
76	20.386	2941	2944	2948	rVB	125453	130416	1.26%	0.268%
77	20.445	2950	2954	2958	rVV	190198	248516	2.39%	0.511%
78	20.504	2959	2964	2968	rVV2	255464	381505	3.68%	0.784%
79	20.539	2968	2970	2975	rVB2	81957	105259	1.01%	0.216%
80	20.615	2981	2983	2985	rBV	55181	51612	0.50%	0.106%
81	20.645	2985	2988	2991	rVV	155477	203262	1.96%	0.418%
82	20.692	2992	2996	3000	rVB2	222892	291639	2.81%	0.599%
83	20.938	3035	3038	3042	rBV3	85629	110579	1.07%	0.227%
84	21.091	3060	3064	3073	rVB3	287959	598079	5.76%	1.229%
85	21.297	3091	3099	3103	rBV3	185175	432094	4.16%	0.888%
86	21.338	3103	3106	3109	rBV	103417	160080	1.54%	0.329%
87	21.620	3142	3154	3160	rBV	6245998	10379811	100.00%	21.329%
88	21.714	3163	3170	3176	rVV3	1003267	2771743	26.70%	5.695%
89	21.767	3176	3179	3192	rVB	722352	1286165	12.39%	2.643%
90	21.926	3203	3206	3213	rVB2	241833	366365	3.53%	0.753%
91	22.390	3282	3285	3289	rBV2	64879	81863	0.79%	0.168%
92	22.542	3306	3311	3317	rBV2	153140	324635	3.13%	0.667%
93	23.612	3489	3493	3504	rVB4	188889	383203	3.69%	0.787%
94	23.958	3544	3552	3560	rBV	400449	1363261	13.13%	2.801%
95	24.088	3569	3574	3579	rBV3	109779	227202	2.19%	0.467%
96	24.146	3579	3584	3591	rBV3	180651	425769	4.10%	0.875%
97	24.687	3670	3676	3683	rBV	245997	649813	6.26%	1.335%
98	24.769	3683	3690	3696	rVV	435427	1126529	10.85%	2.315%
99	24.840	3696	3702	3714	rVB	417254	1154579	11.12%	2.372%
100	24.993	3720	3728	3735	rBV2	449082	1222353	11.78%	2.512%

Sum of corrected areas: 48665655

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042028.D
Acq On : 7 Aug 2019 13:04
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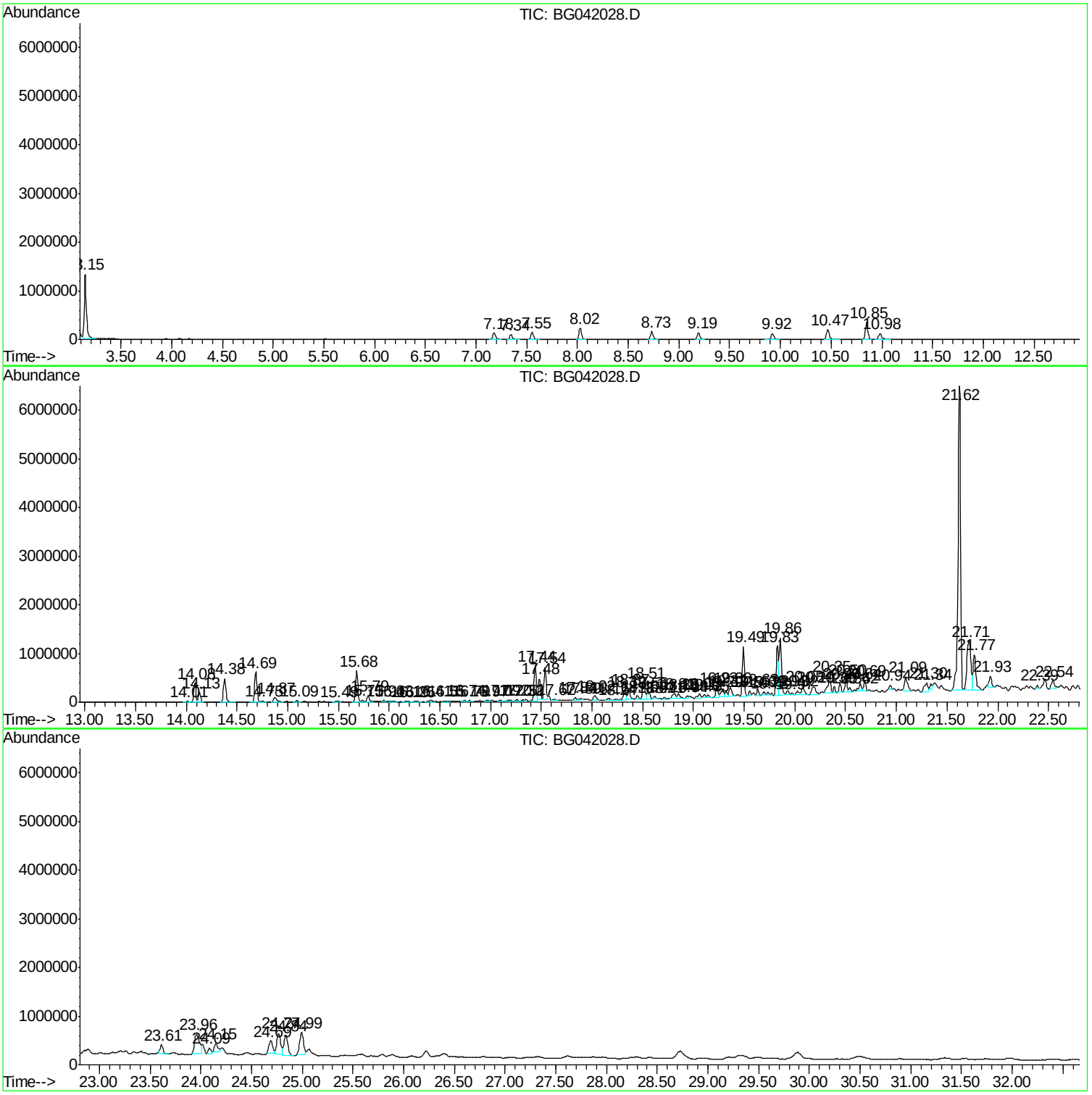
Sample : K4028-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP68

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 : BG042028.D
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Instrument : BNA_G
ClientSampleId : BEP68

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

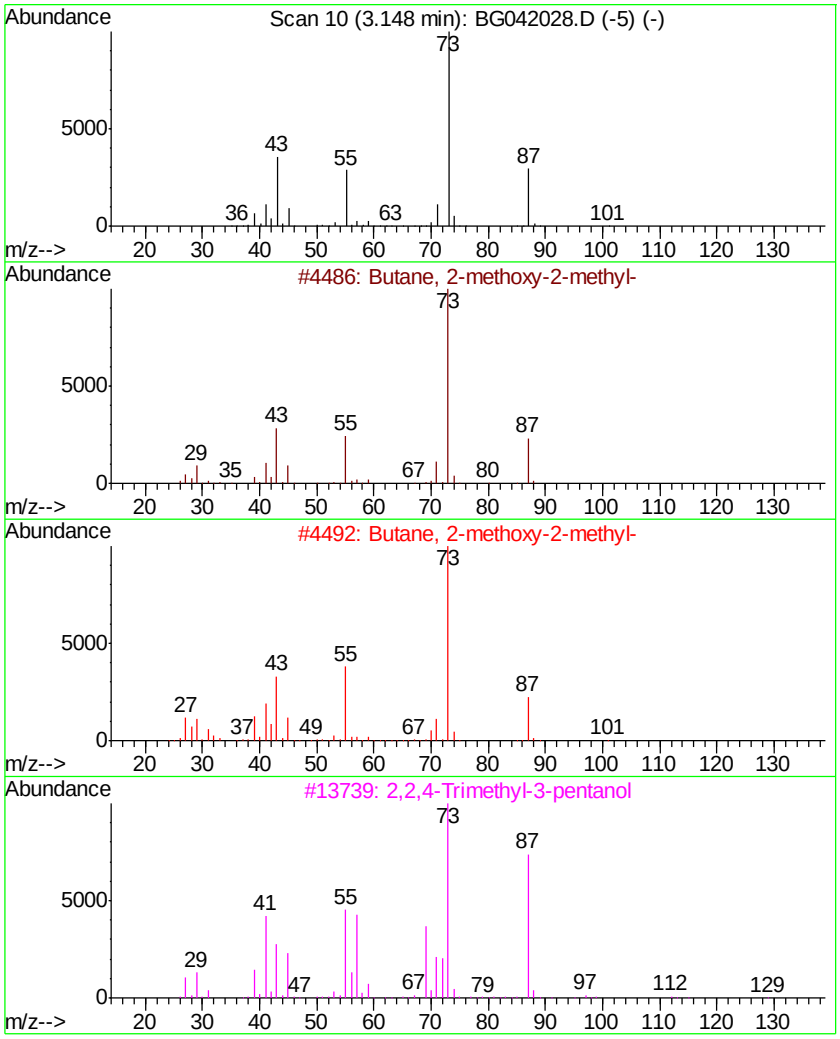
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

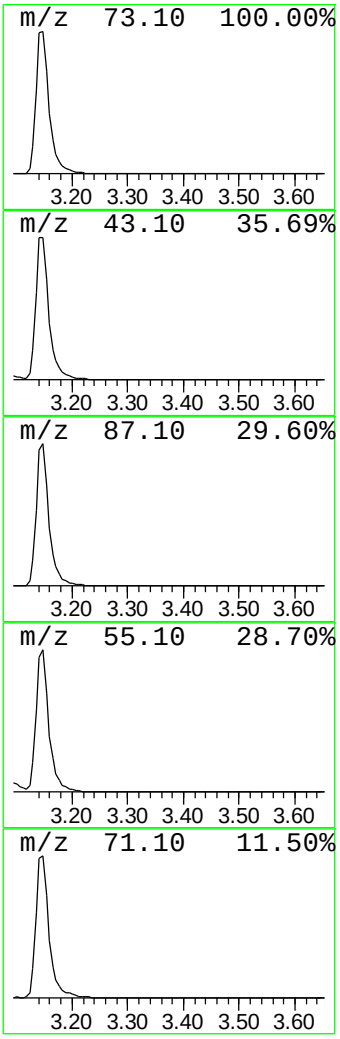
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	104.51 ng/ul	2130790	1,4-Dichlorobenzene-d4	8.02

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	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Library Search Compound Report

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Data File : BG042028.D
Acq On : 7 Aug 2019 13:04
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Sample : K4028-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP68

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

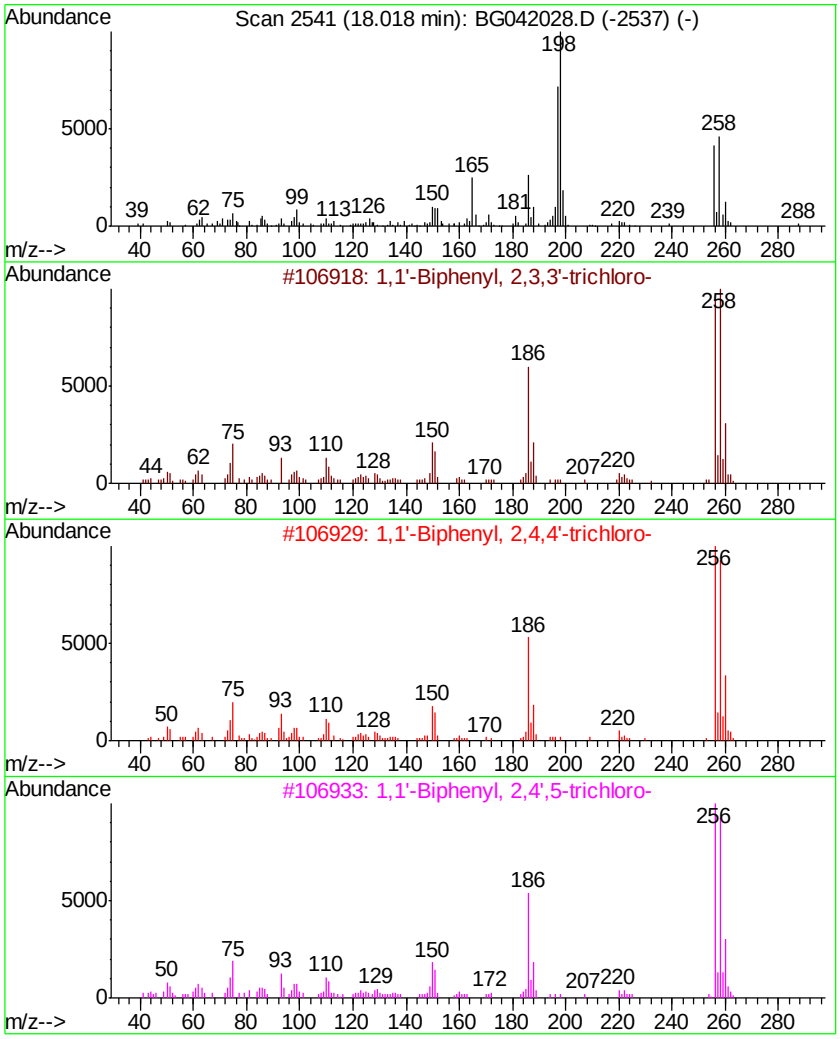
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

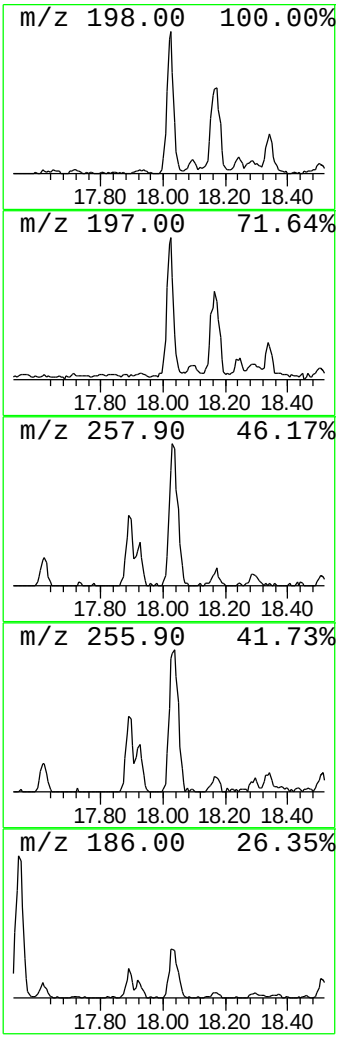
****

Peak Number 2 1,1'-Biphenyl, 2,3,3'-trich... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.95 ng/ul	174764	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	90
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	90
3	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	89
4	2,3',6-Trichlorobiphenyl	256	C12H7Cl3	038444-76-7	89
5	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	87





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

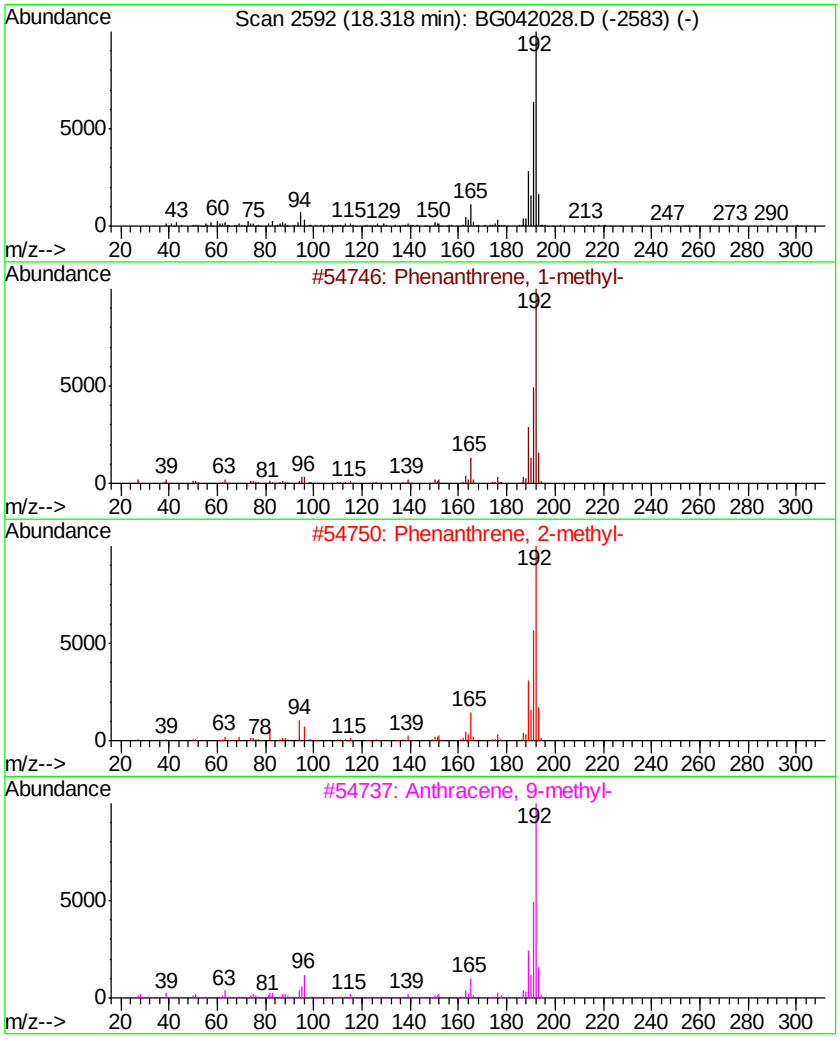
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

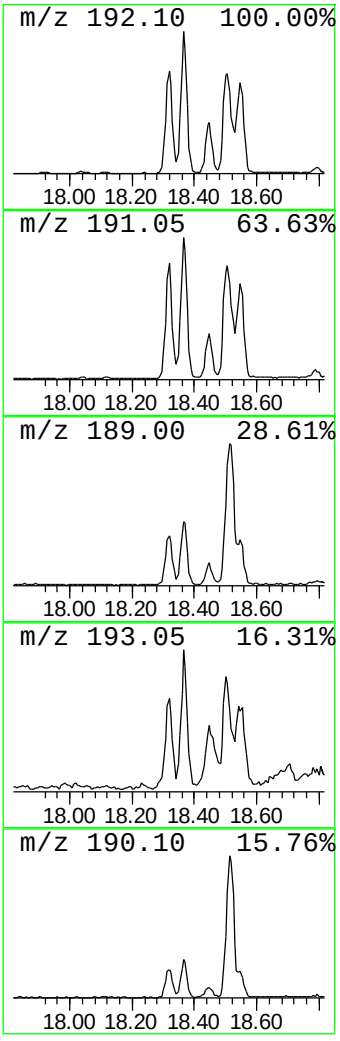
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	6.22 ng/ul	369264	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Data File : BG042028.D
Acq On : 7 Aug 2019 13:04
Operator : HP/JU
Sample : K4028-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP68

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

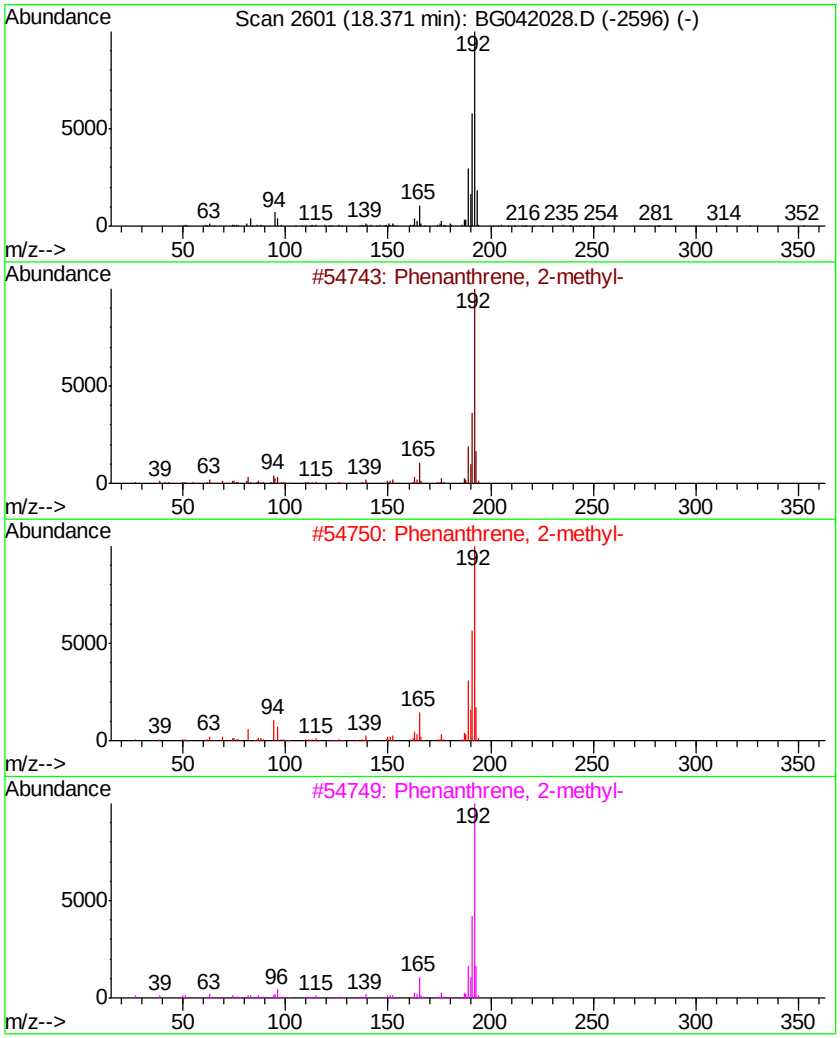
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

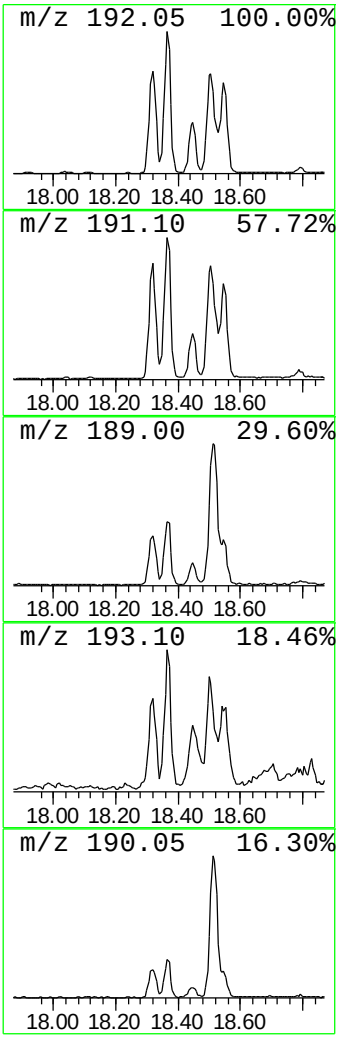
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	6.02 ng/ul	357153	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Library Search Compound Report

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Data File : BG042028.D
Acq On : 7 Aug 2019 13:04
Operator : HP/JU
Sample : K4028-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP68

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

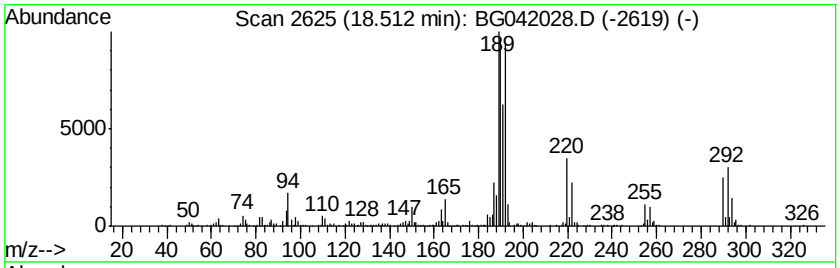
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

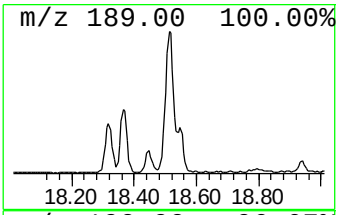
****

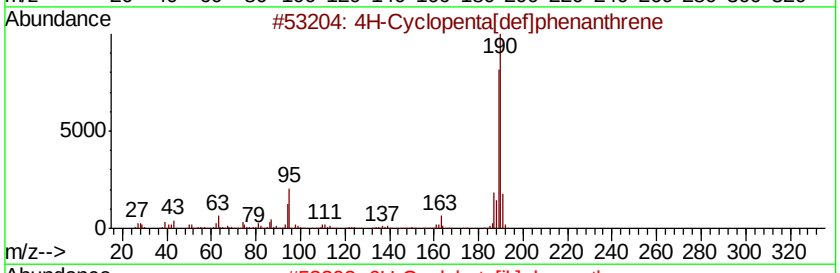
Peak Number 5 unknown-01 Concentration Rank 2

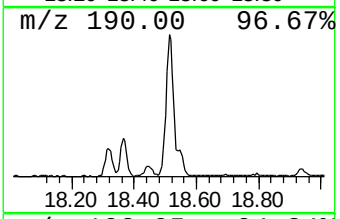
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	10.96 ng/ul	650019	Phenanthrene-d10	17.44

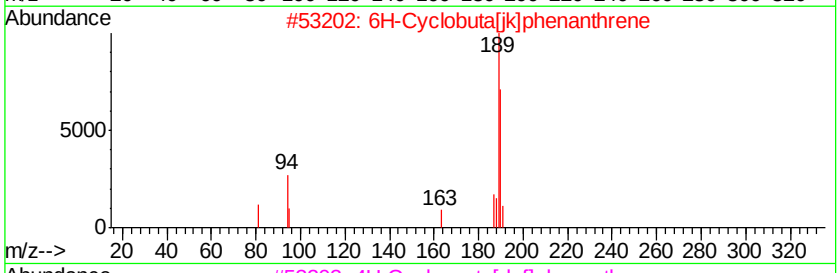
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	38
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	30

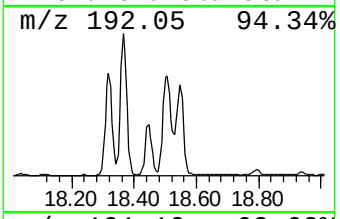


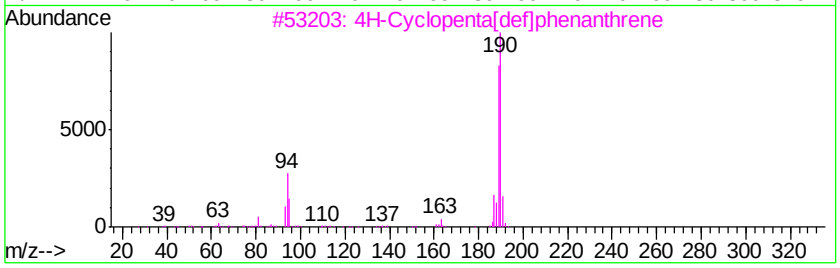


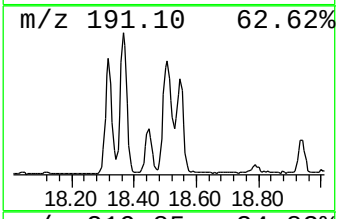


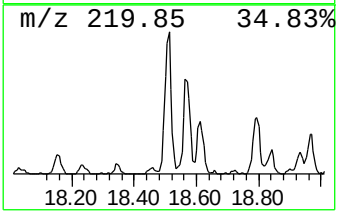












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Acq On : 7 Aug 2019 13:04
Operator : HP/JU
Sample : K4028-02
Misc :
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Instrument : BNA_G
ClientSampleId : BEP68

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Quant Title : SVOA CALIBRATION

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

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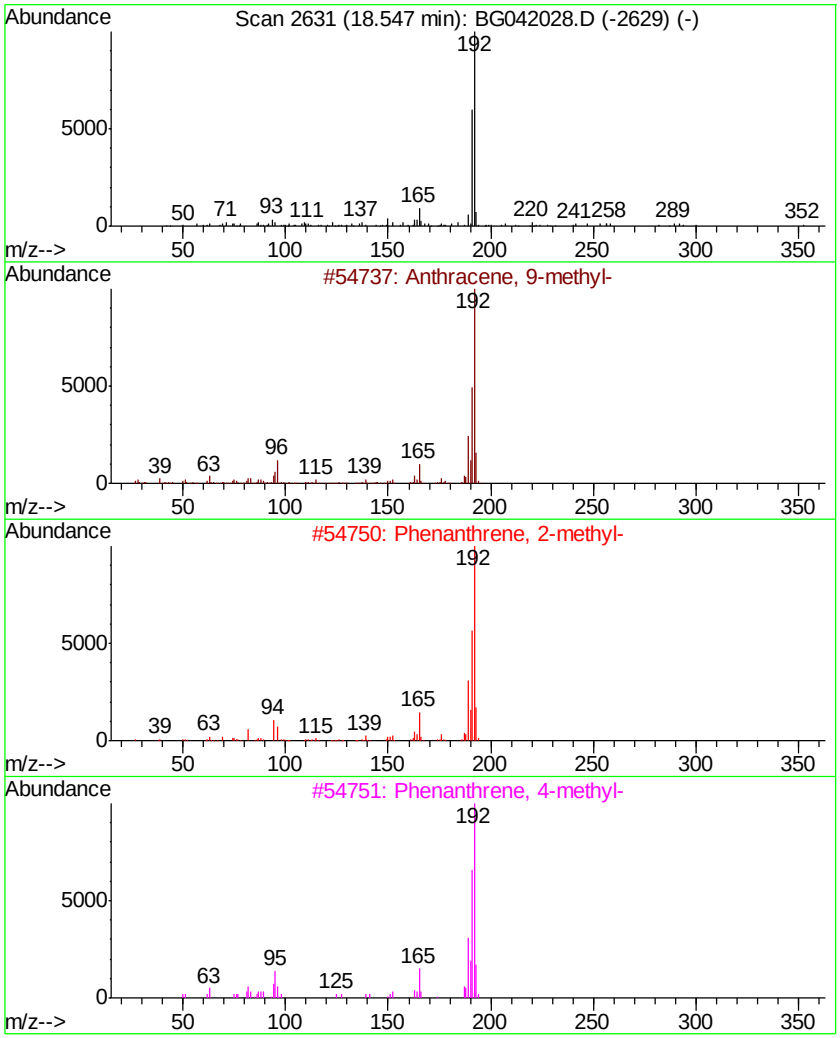
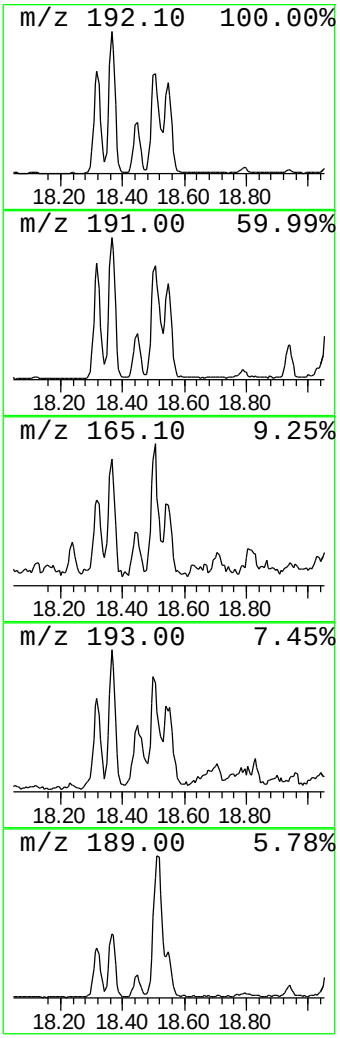
Peak Number 6 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	4.38 ng/ul	259802	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	72
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	72
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	72





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Instrument : BNA_G
ClientSampleId : BEP68

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Quant Title : SVOA CALIBRATION

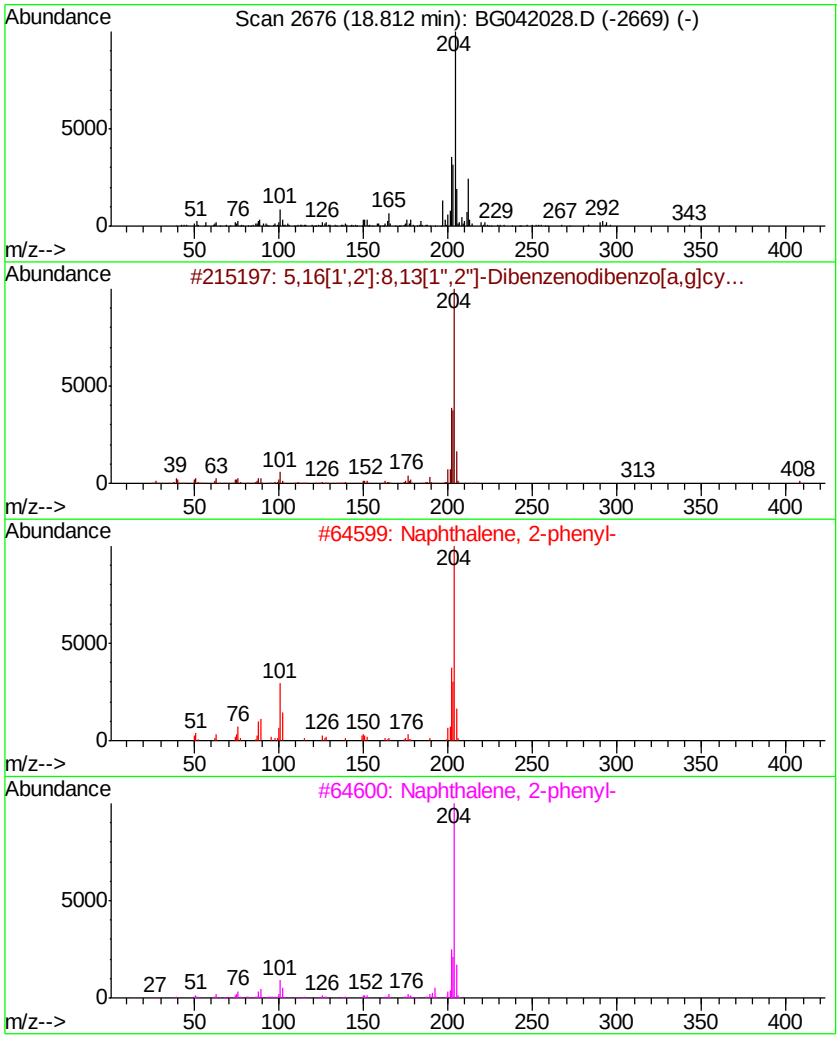
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

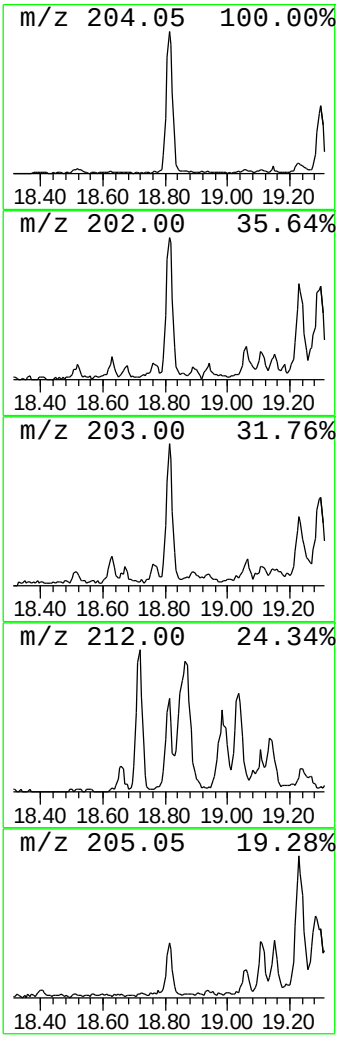
****

Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	3.79 ng/ul	224998	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	68
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58





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Quant Title : SVOA CALIBRATION

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

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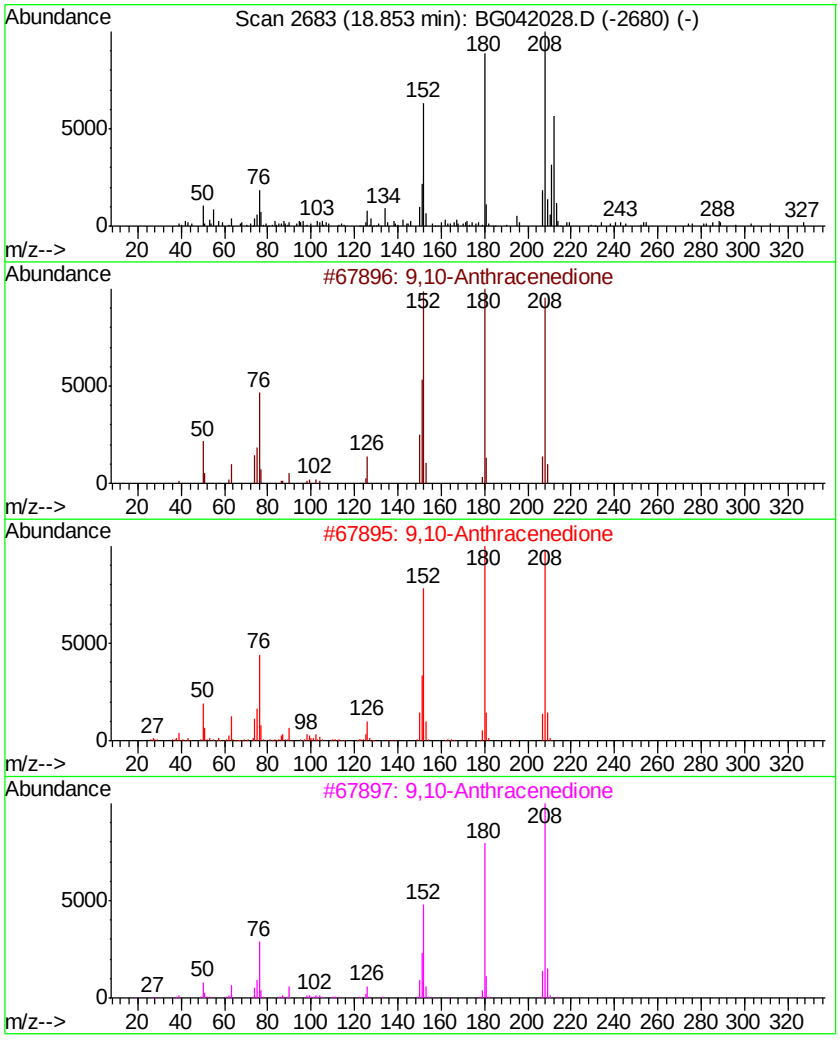
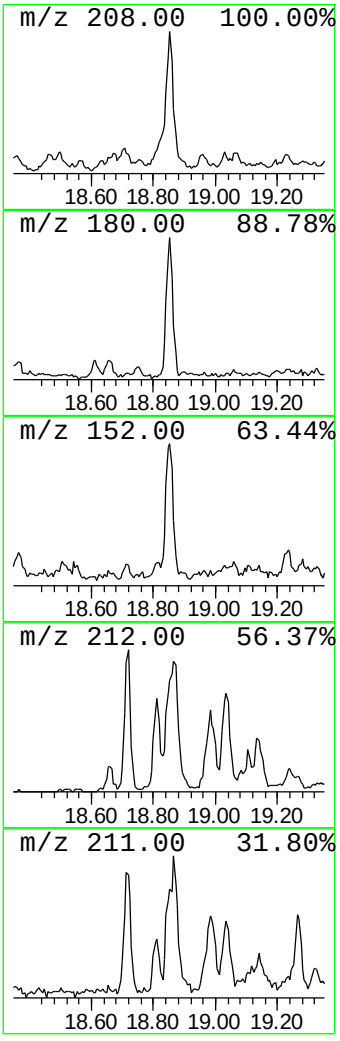
Peak Number 8 9,10-Anthracenedione Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.67 ng/ul	158435	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	86
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50





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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 Anthracene, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	3.22 ng/ul	191176	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	94
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	90
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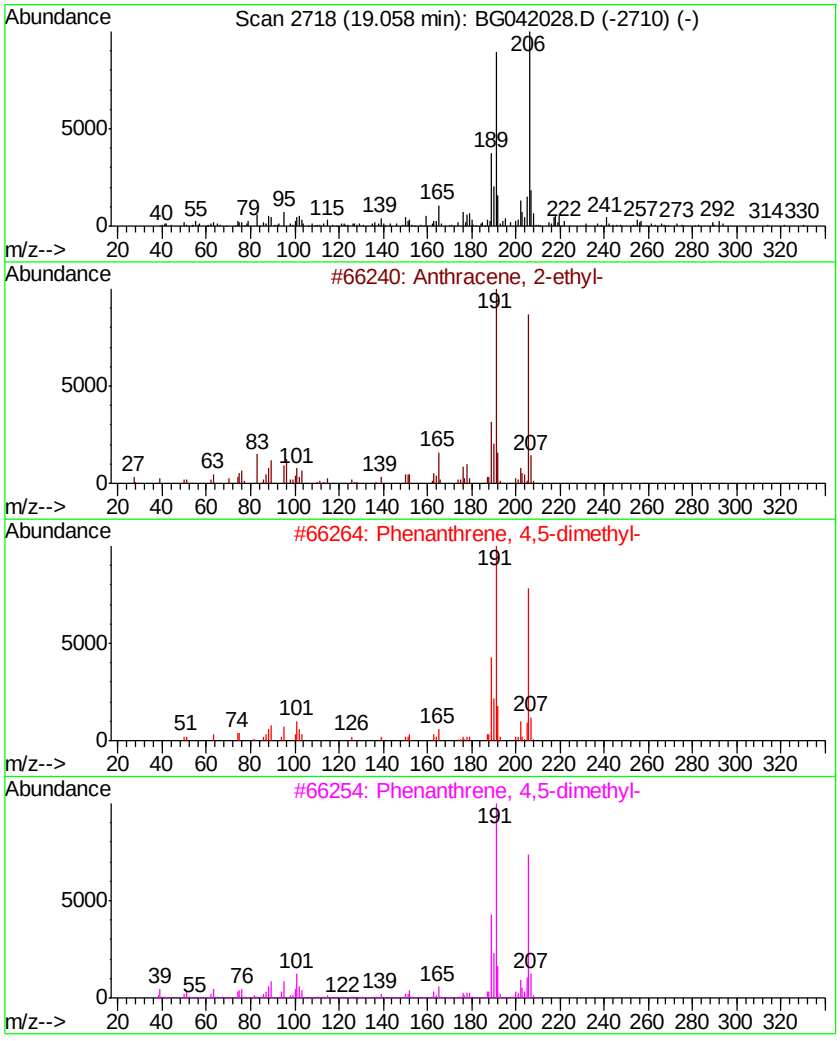

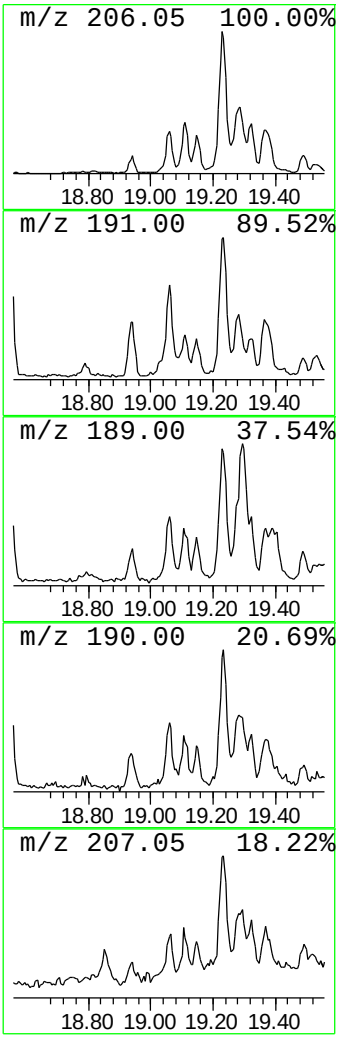

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Misc :
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Instrument : BNA_G
ClientSampleId : BEP68

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Quant Title : SVOA CALIBRATION

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

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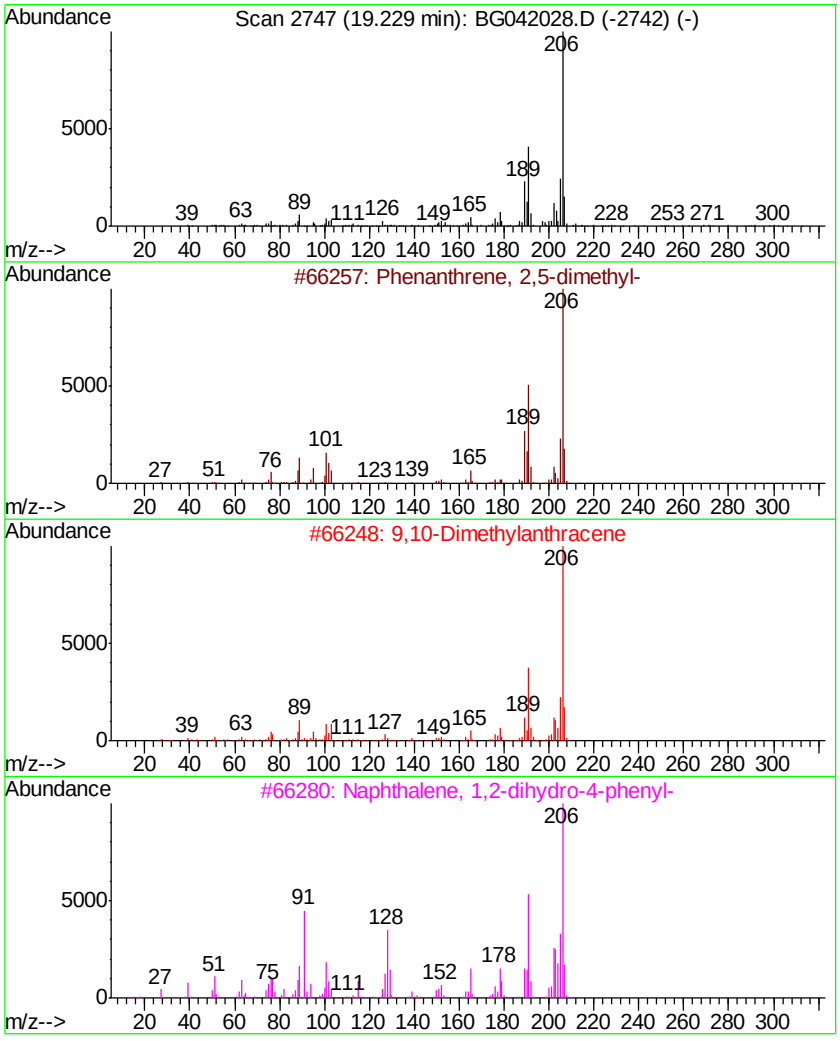
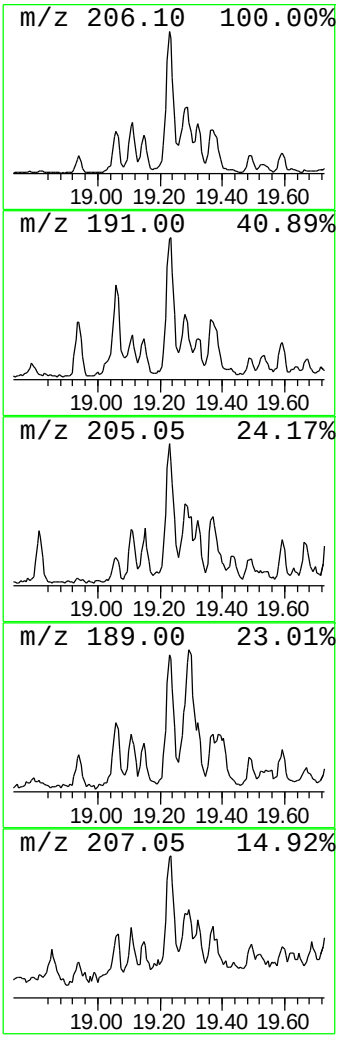
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	5.77 ng/ul	342331	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Sample : K4028-02
Misc :
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Instrument : BNA_G
ClientSampleId : BEP68

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Quant Title : SVOA CALIBRATION

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

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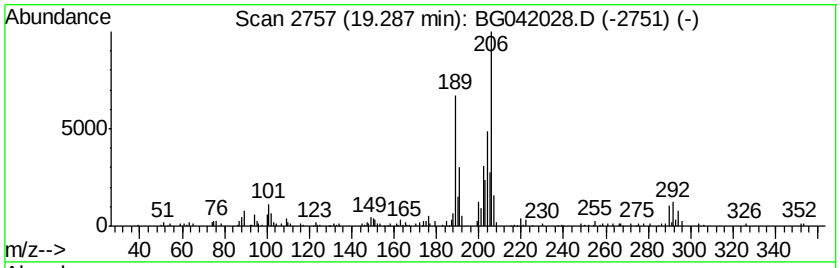
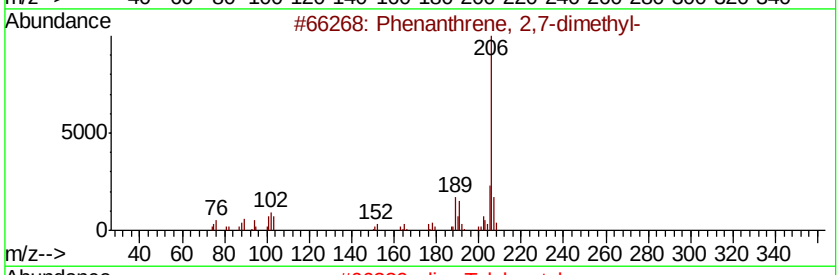
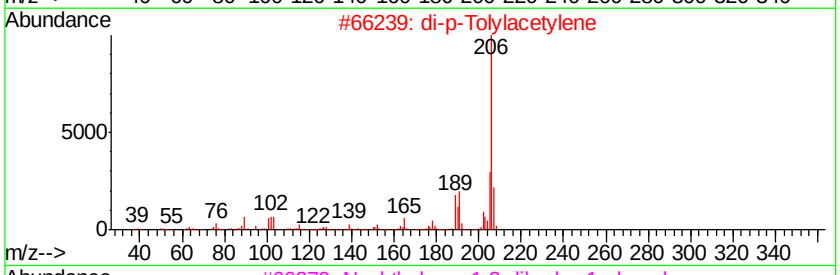
Peak Number 11 Phenanthrene, 2,7-dimethyl- Concentration Rank 11

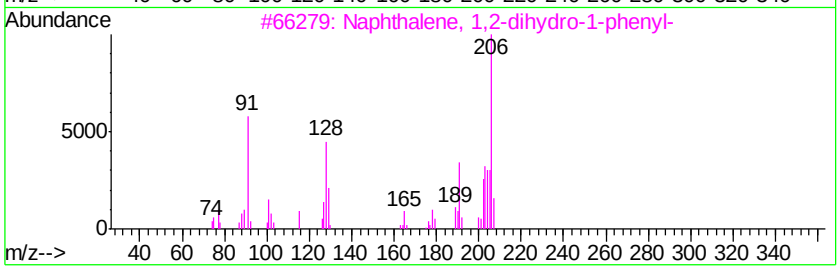
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	4.41 ng/ul	261461	Phenanthrene-d10	17.44

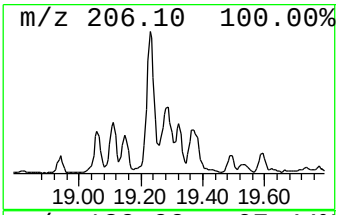
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	55
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	45
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	43
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	43
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	43

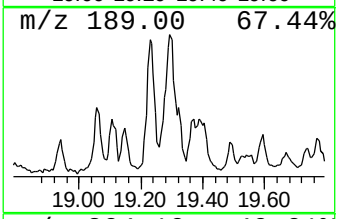


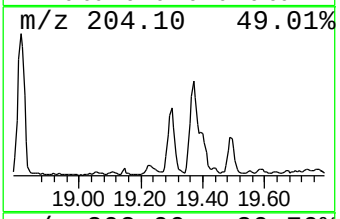


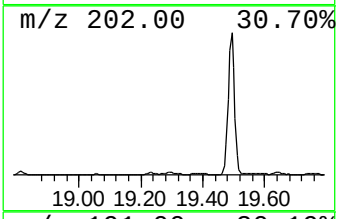


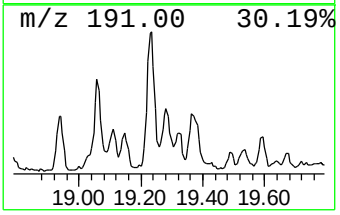












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Operator : HP/JU
Sample : K4028-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP68

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Quant Title : SVOA CALIBRATION

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

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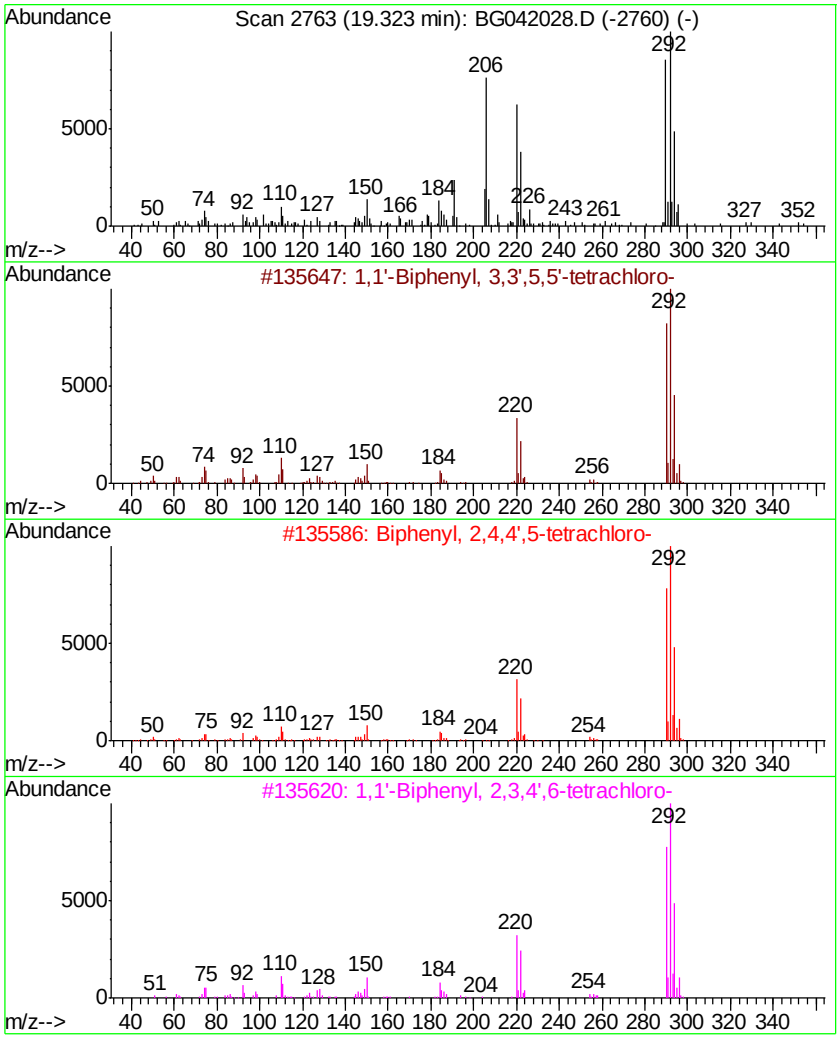
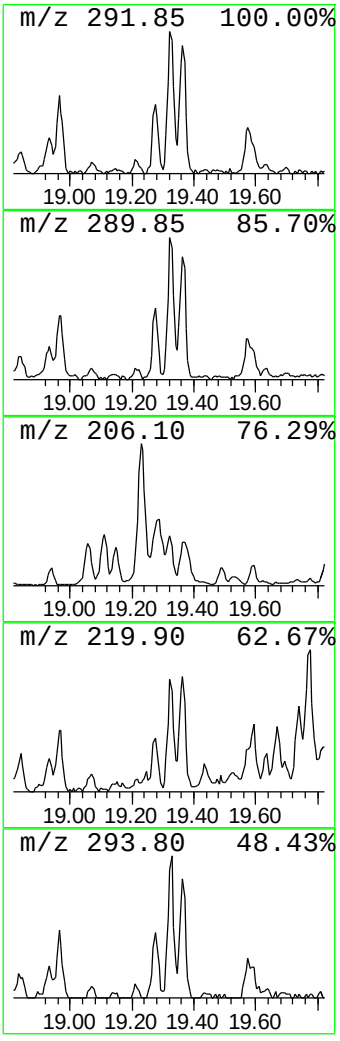
Peak Number 12 1,1'-Biphenyl, 3,3',5,5'-te... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.32	2.69 ng/ul	159643	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	98
2	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	98
3	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	98
4	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	98
5	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	98





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Misc :
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Instrument : BNA_G
ClientSampleId : BEP68

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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 Biphenyl, 2,4,4',5-tetrachl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	5.32 ng/ul	315458	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	60
2	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	60
3	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	60
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	50
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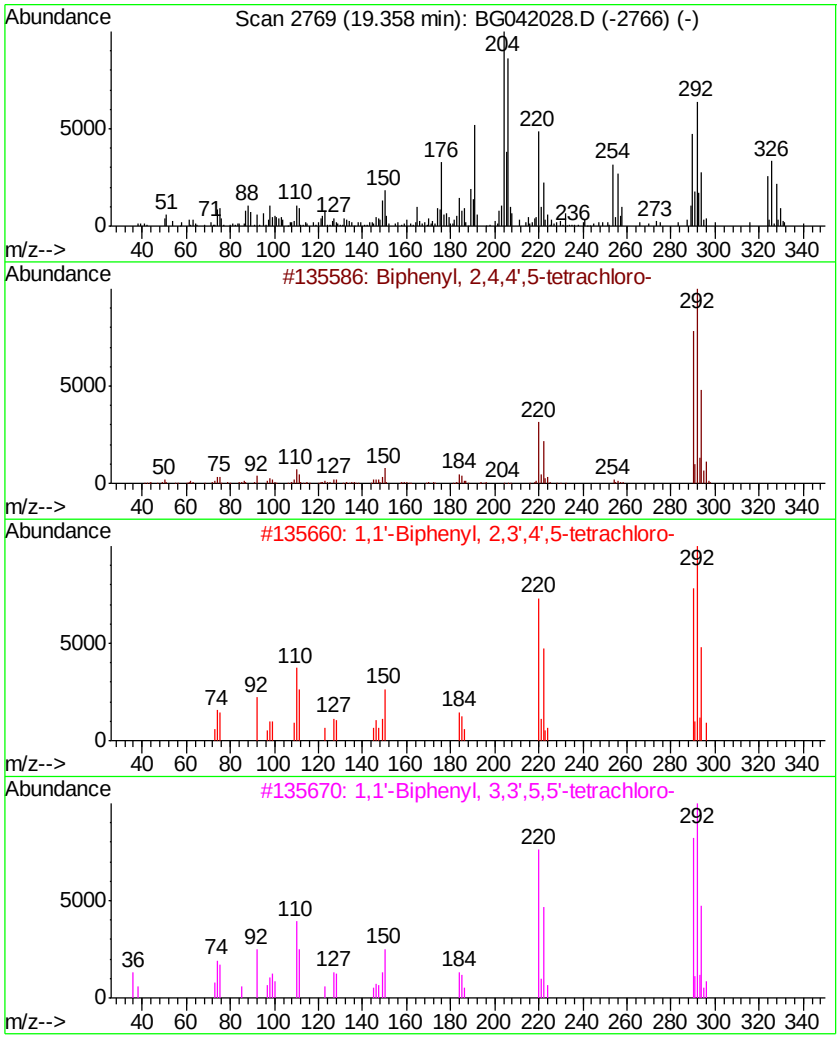

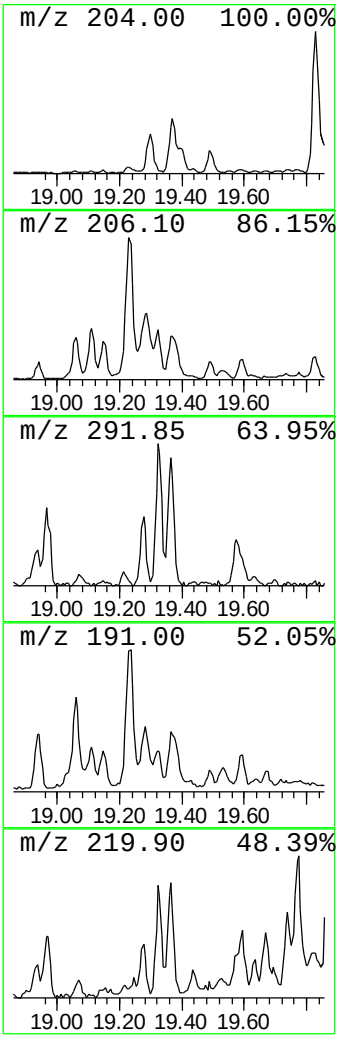

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Sample : K4028-02
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Quant Title : SVOA CALIBRATION

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

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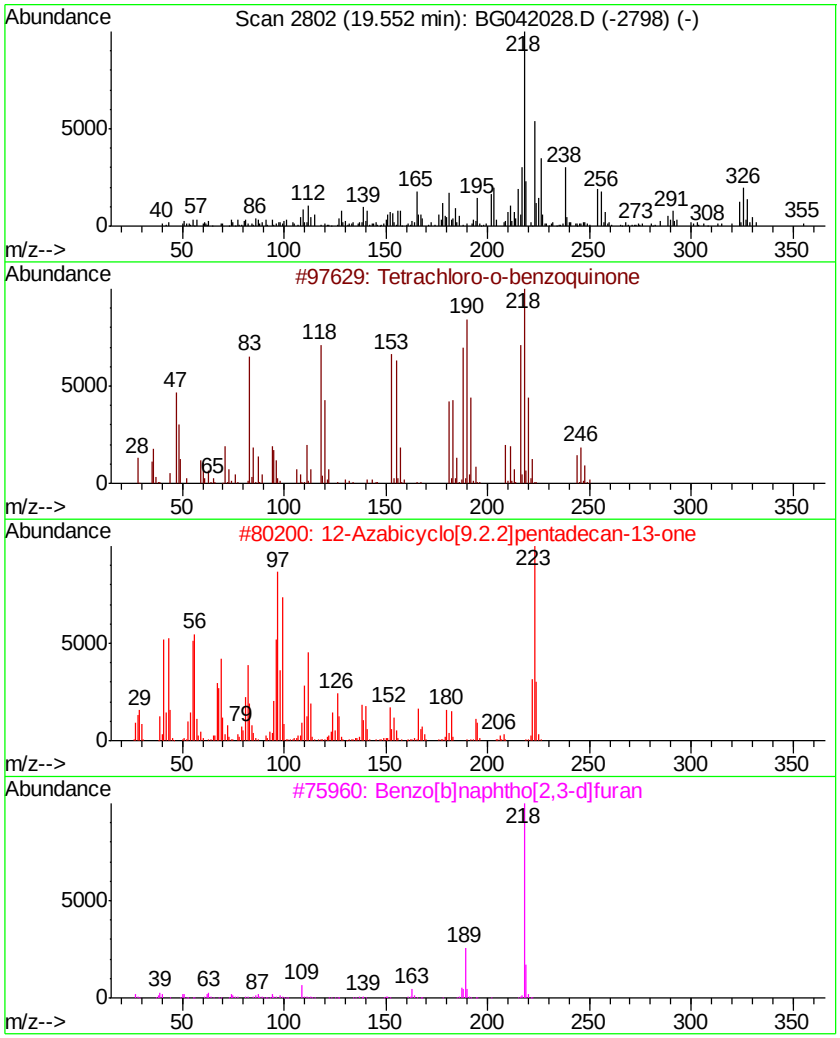
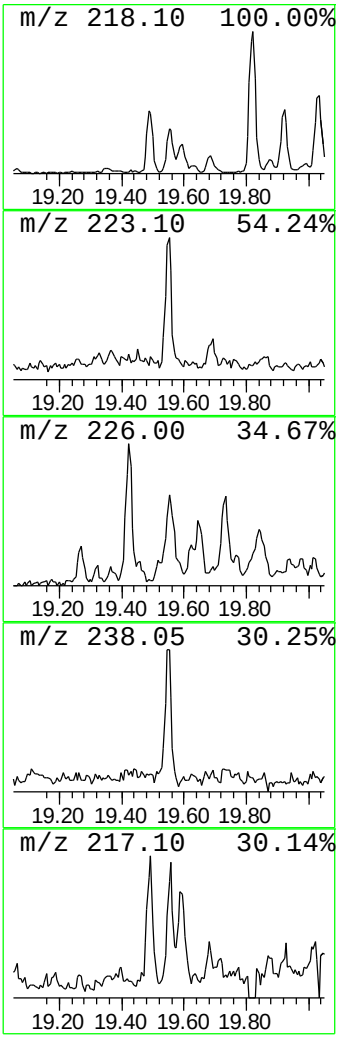
Peak Number 14 Tetrachloro-o-benzoquinone Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.55	2.60 ng/ul	154081	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrachloro-o-benzoquinone	244	C6Cl4O2	002435-53-2	60
2	12-Azabicyclo[9.2.2]pentadecan-1...	223	C14H25NO	1000191-26-7	53
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	30
4	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	27
5	Acetonitrile, 2-(6-phenantridinyl)-	218	C15H10N2	051902-25-1	27





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ClientSampleId : BEP68

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Quant Title : SVOA CALIBRATION

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

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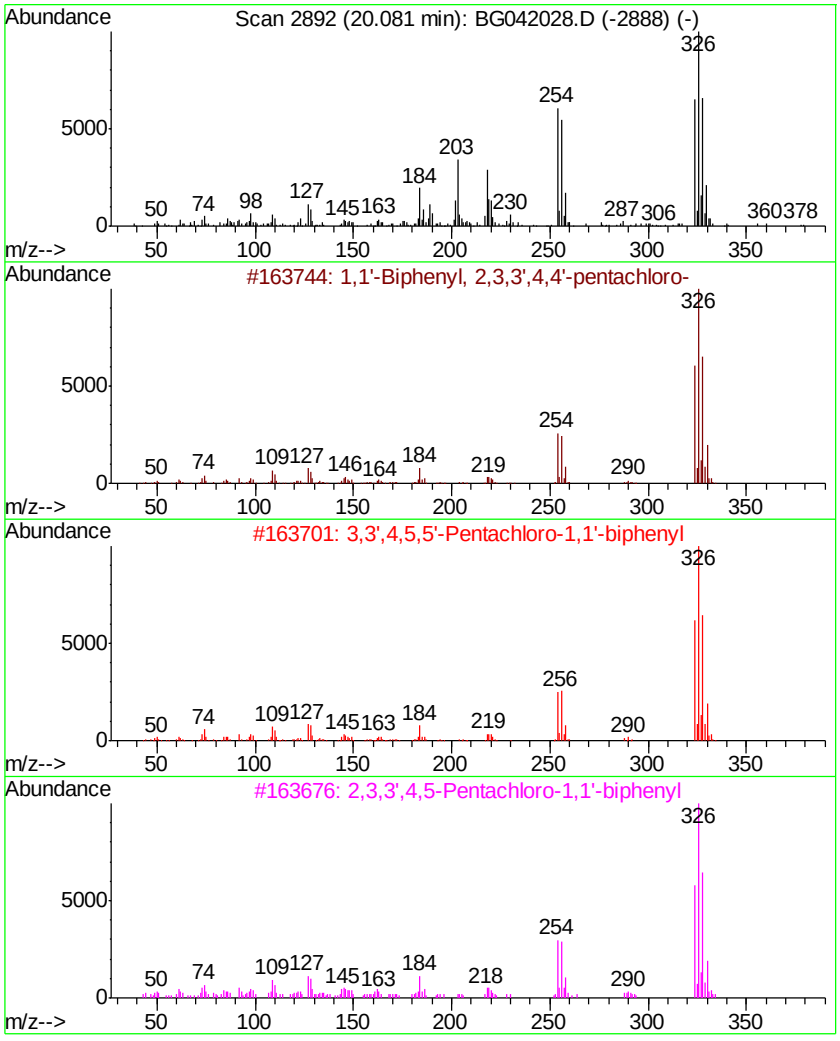
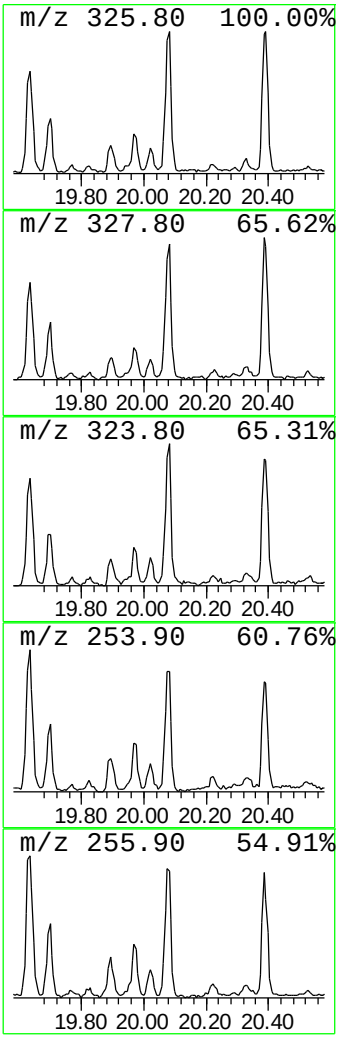
Peak Number 15 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.08	2.06 ng/ul	286046	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
2	3,3',4,5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-33-1	99
3	2,3,3',4,5-Pentachloro-1,1'-biph...	324	C12H5Cl5	070424-69-0	98
4	3,3',4,4',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	97
5	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	97





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Quant Title : SVOA CALIBRATION

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

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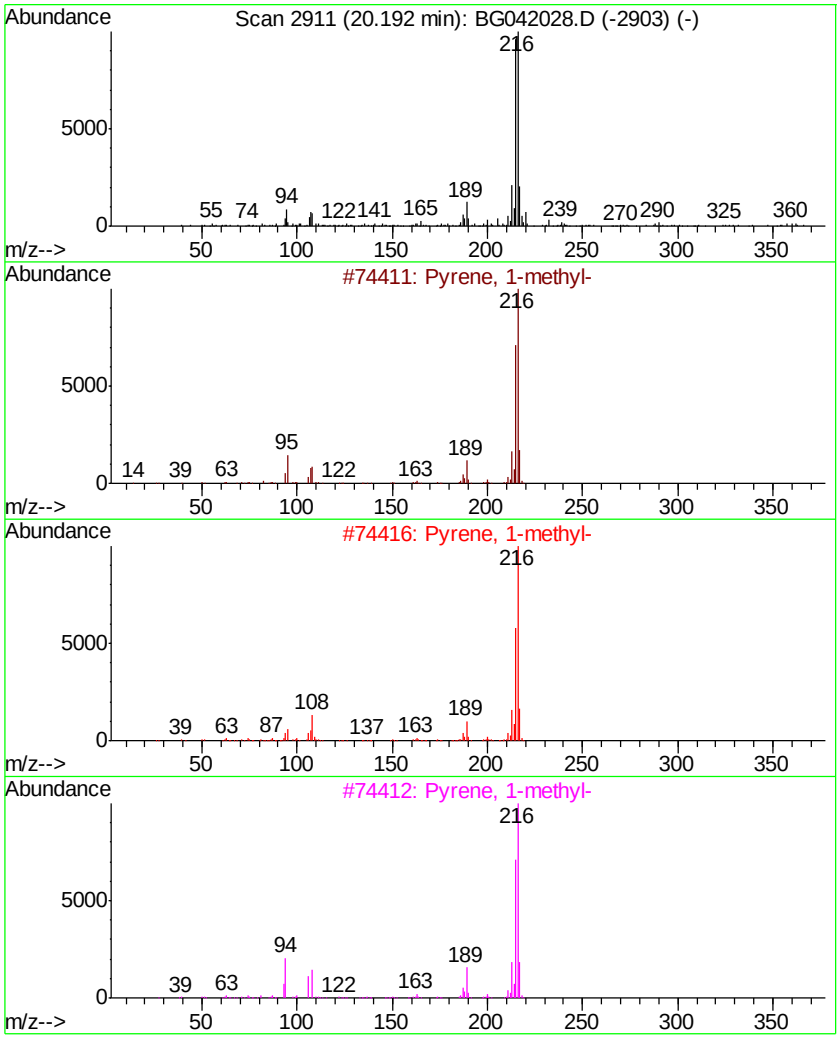
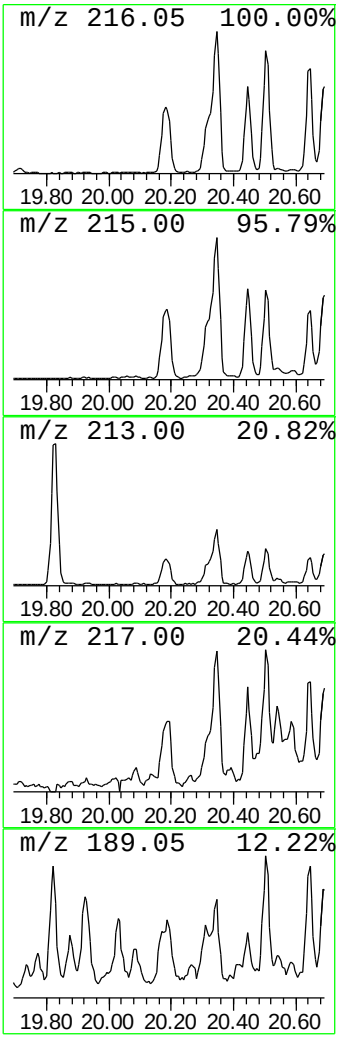
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	3.36 ng/ul	465678	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Quant Title : SVOA CALIBRATION

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

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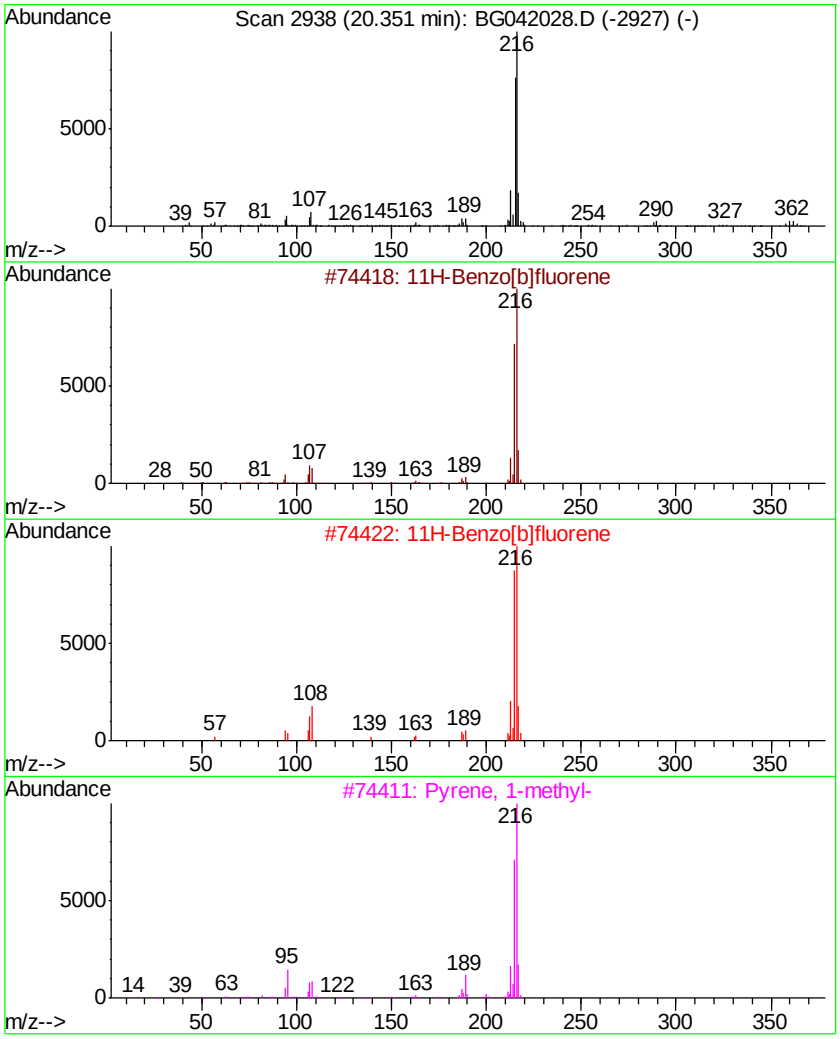
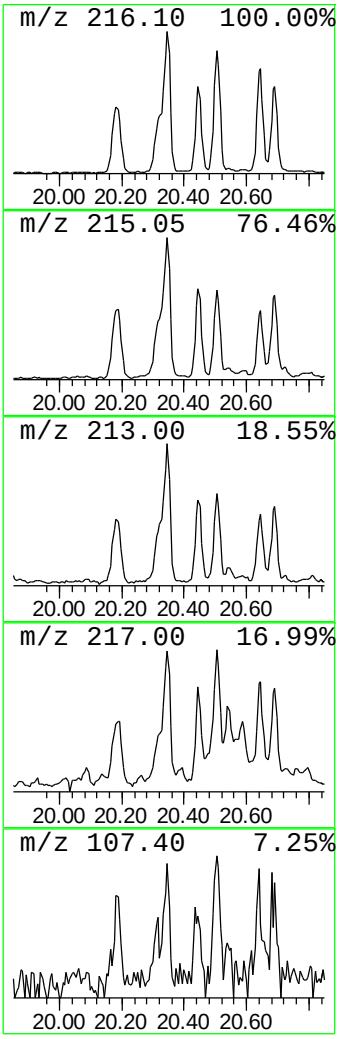
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.35	4.90 ng/ul	678462	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





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Instrument : BNA_G
ClientSampleId : BEP68

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Quant Title : SVOA CALIBRATION

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

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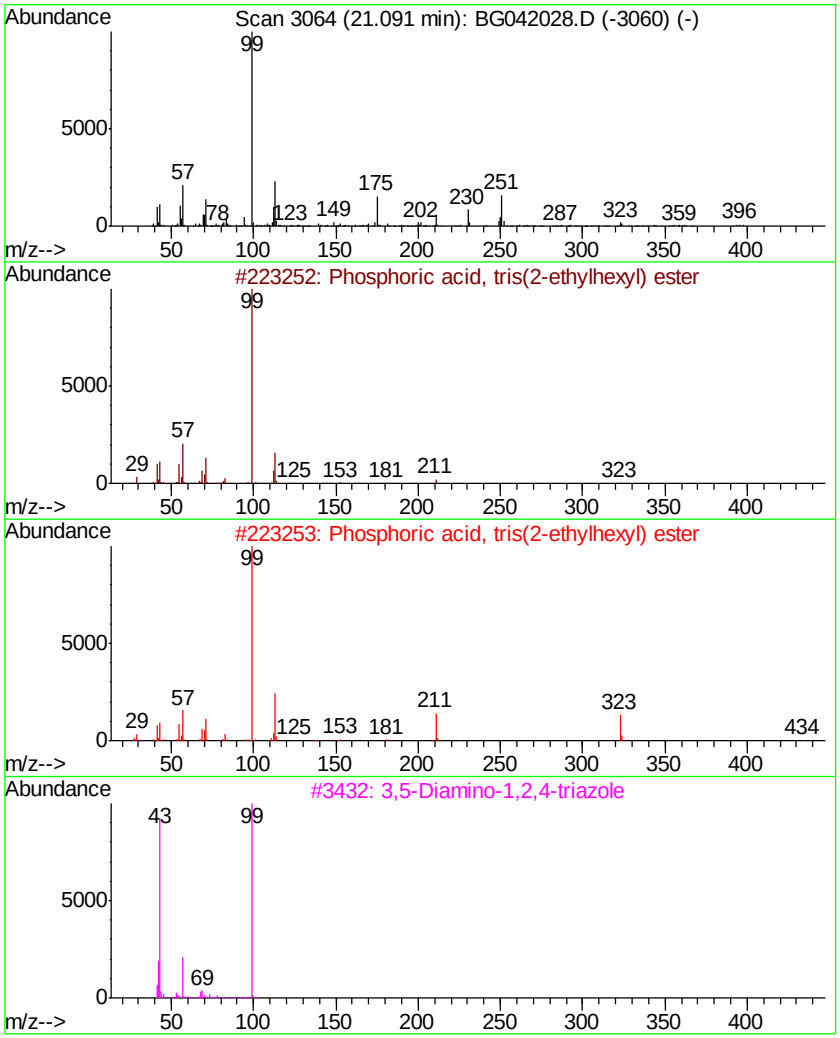
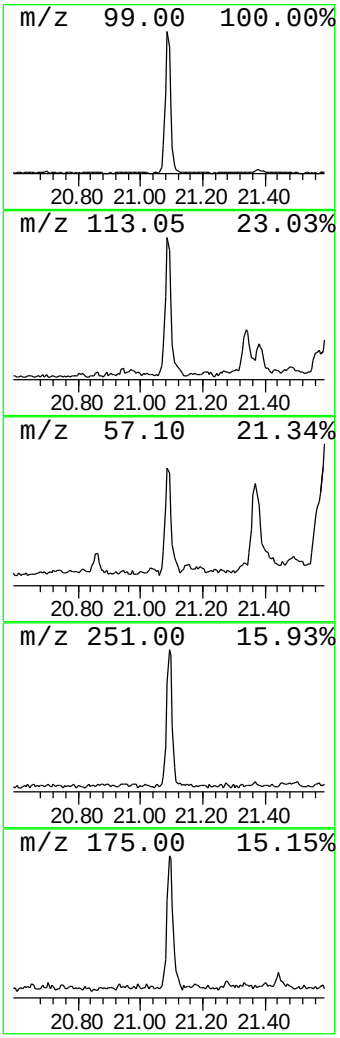
Peak Number 20 Phosphoric acid, tris(2-eth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	4.32 ng/ul	598079	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(2-ethylhex...	434	C24H51O4P	000078-42-2	64
2	Phosphoric acid, tris(2-ethylhex...	434	C24H51O4P	000078-42-2	53
3	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	46
4	Phosphoric acid, trioctyl ester	434	C24H51O4P	001806-54-8	38
5	Bis(2-ethylhexyl)hydrogen phosphate	322	C16H35O4P	000298-07-7	38





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Quant Title : SVOA CALIBRATION

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

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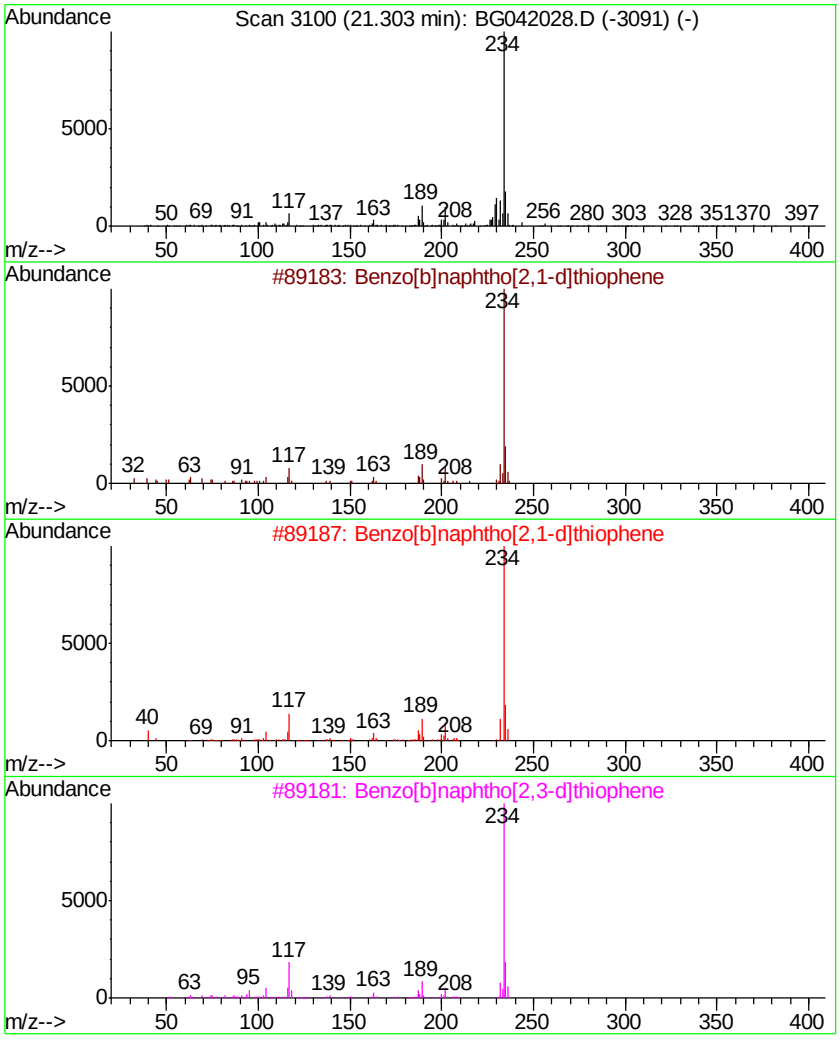
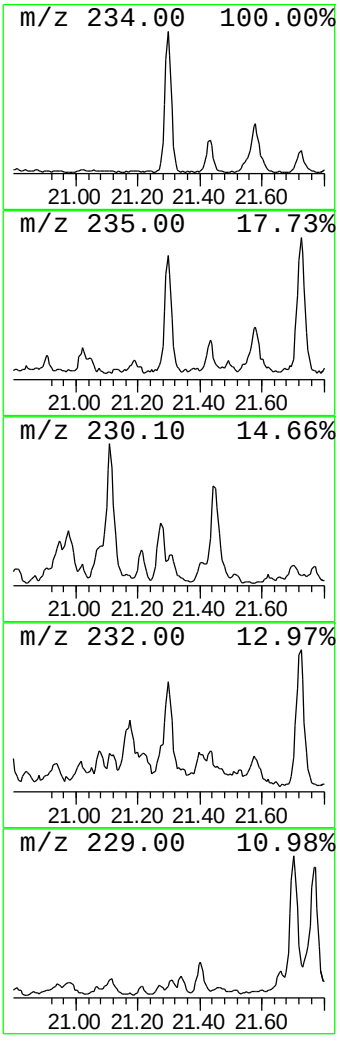
Peak Number 21 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	3.12 ng/ul	432094	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91





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Instrument : BNA_G
ClientSampleId : BEP68

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Quant Title : SVOA CALIBRATION

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

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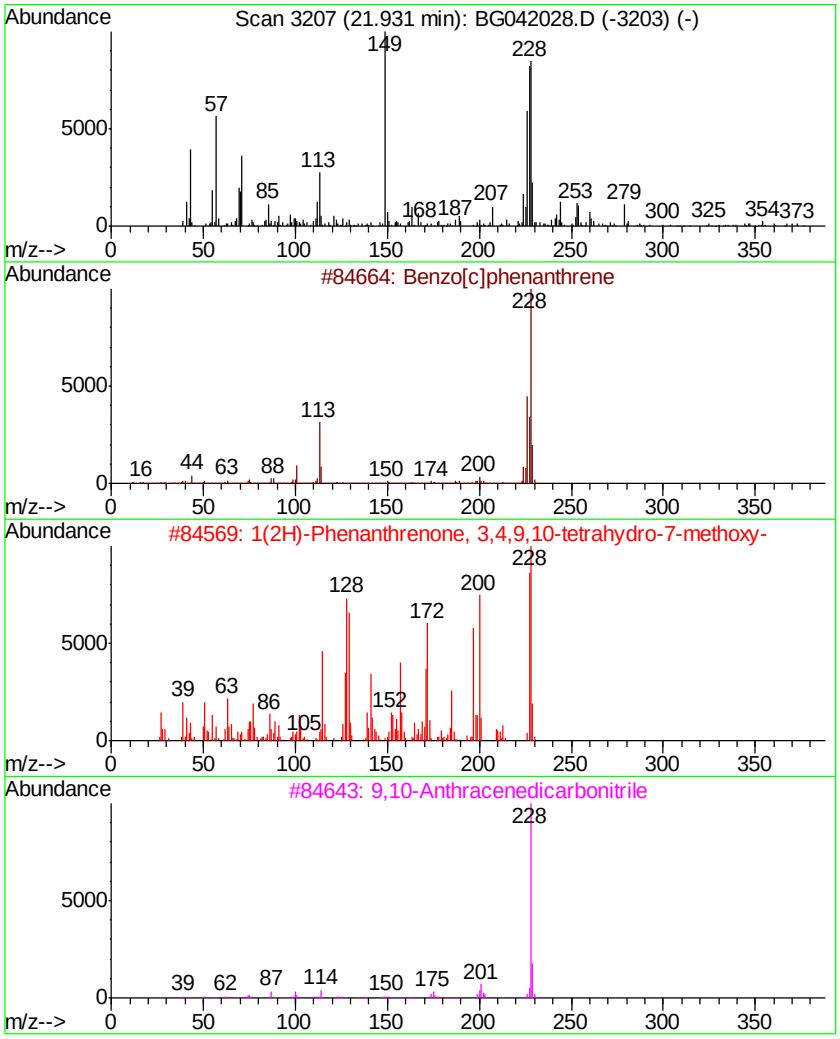
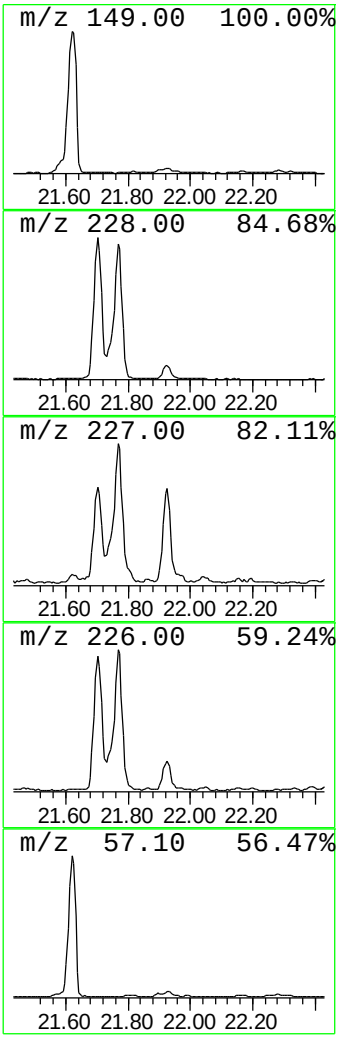
Peak Number 22 unknown-02 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	2.64 ng/ul	366365	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	38
2	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	35
3	9,10-Anthracenedicarbonitrile	228	C16H8N2	001217-45-4	25
4	Phthalic acid, ethyl pentyl ester	264	C15H20O4	1000308-93-6	15
5	Naphthacene	228	C18H12	000092-24-0	14





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Quant Title : SVOA CALIBRATION

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

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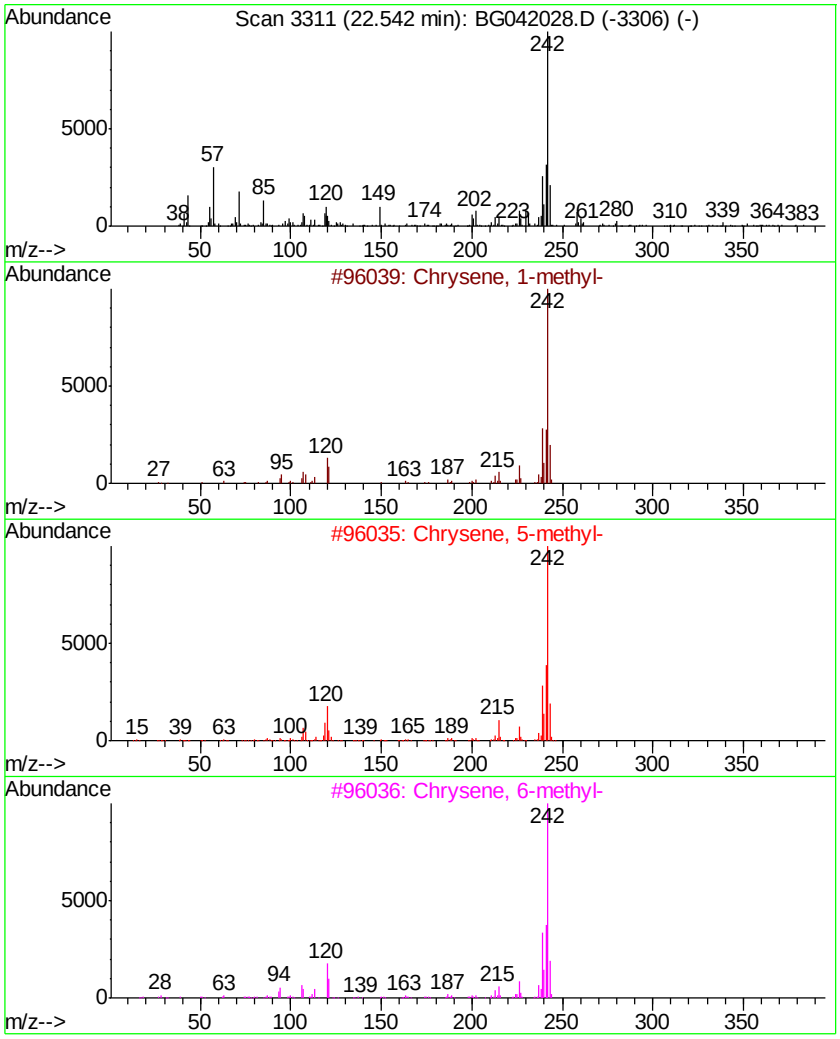
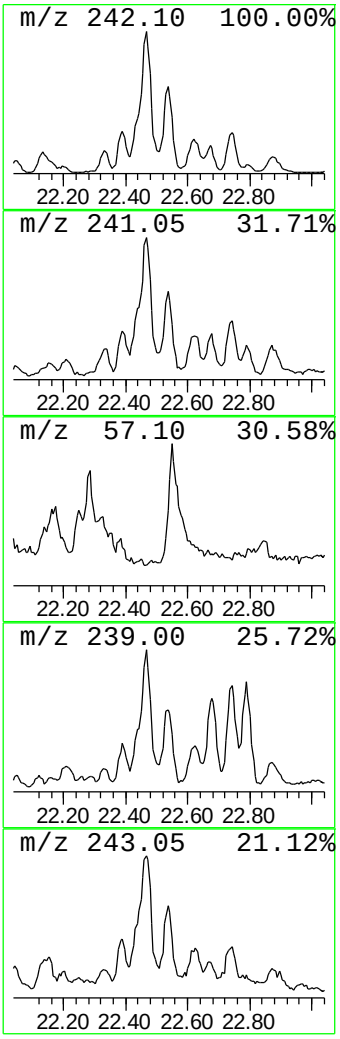
Peak Number 23 Chrysene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	2.34 ng/ul	324635	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	86
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	86
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	76
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	76





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Quant Title : SVOA CALIBRATION

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

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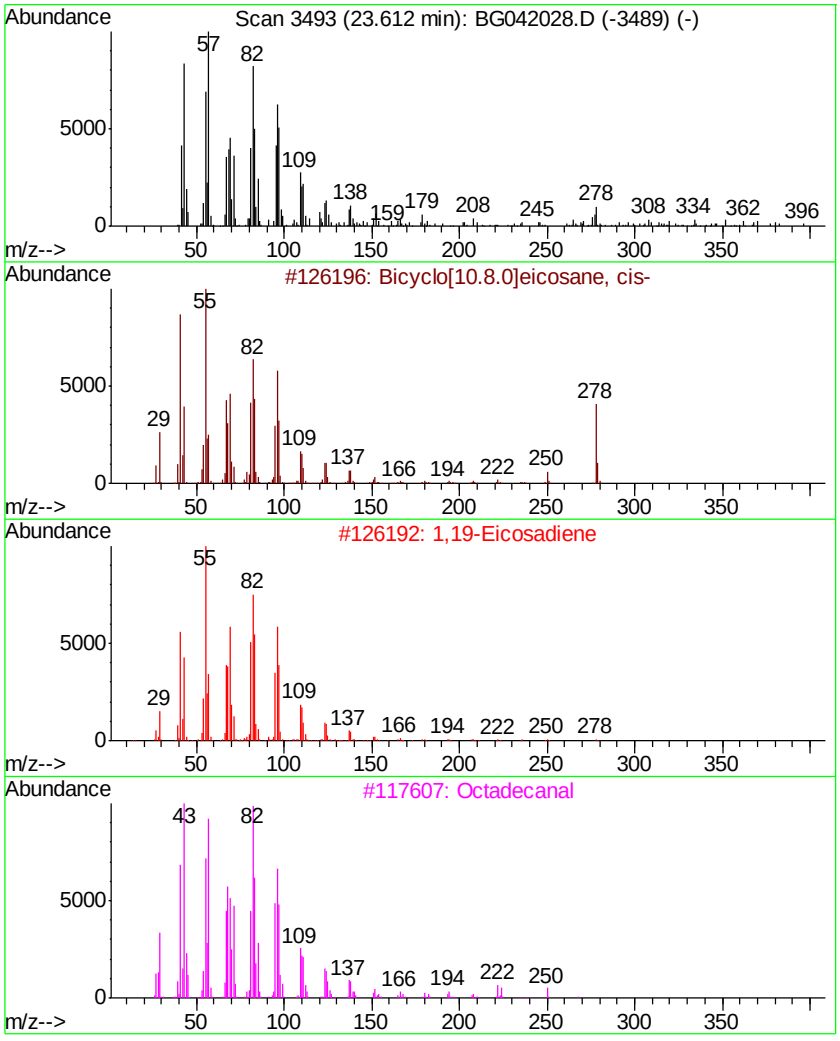
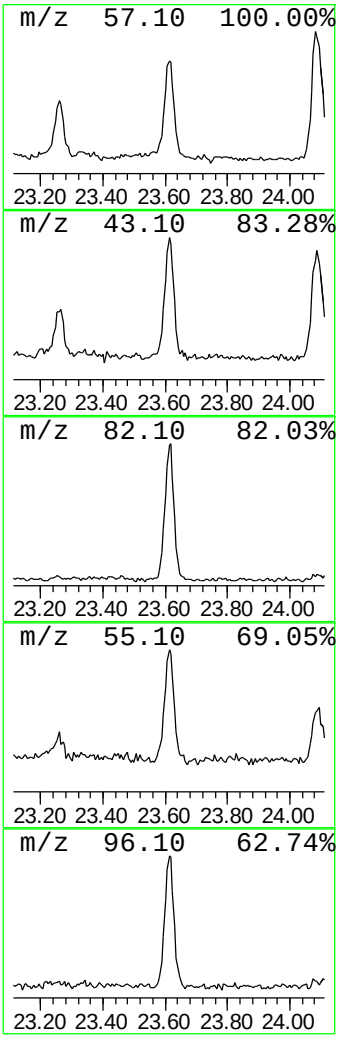
Peak Number 24 Bicyclo[10.8.0]eicosane, cis- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.61	6.27 ng/ul	383203	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[10.8.0]eicosane, cis-	278	C20H38	1000155-82-2	89
2	1,19-Eicosadiene	278	C20H38	014811-95-1	87
3	Octadecanal	268	C18H36O	000638-66-4	87
4	1,21-Docosadiene	306	C22H42	053057-53-7	83
5	Octadecanal	268	C18H36O	000638-66-4	83





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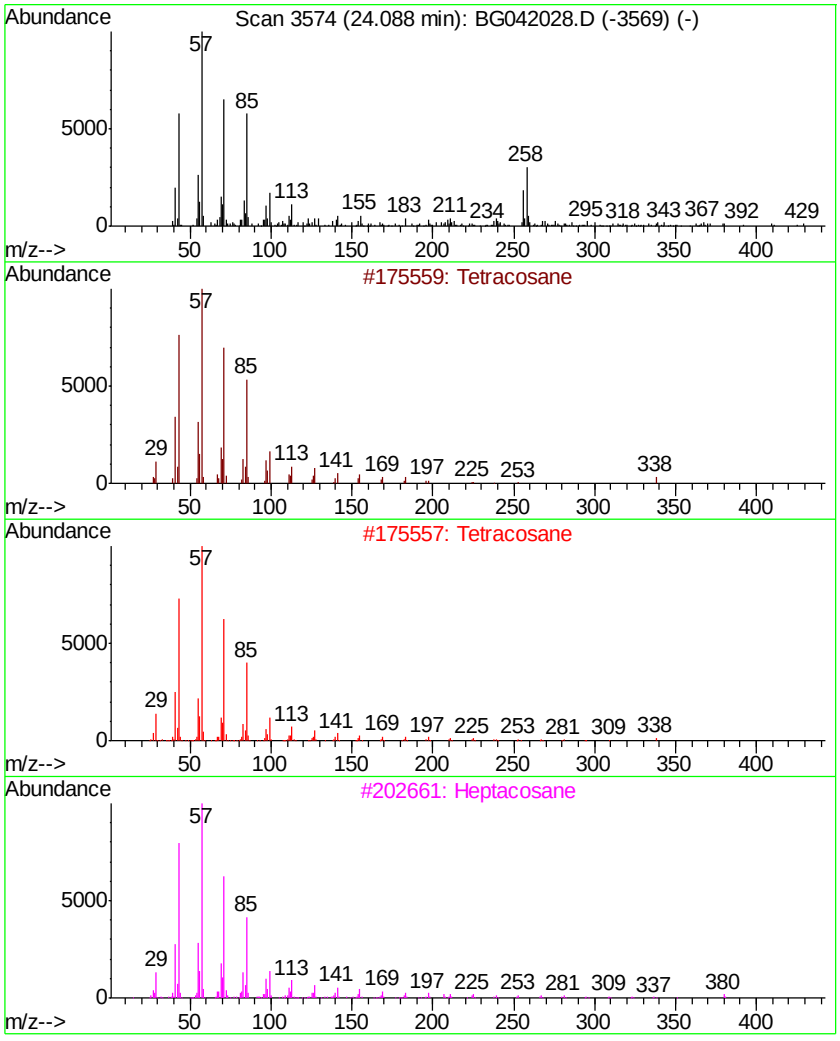
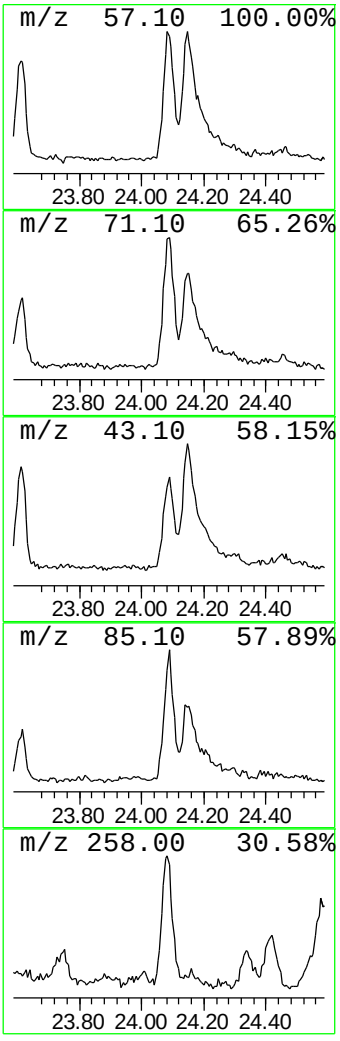
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.09	3.72 ng/ul	227202	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	92
2	Tetracosane	338	C24H50	000646-31-1	86
3	Heptacosane	380	C27H56	000593-49-7	74
4	Hexacosane	366	C26H54	000630-01-3	70
5	Hexacosane	366	C26H54	000630-01-3	70





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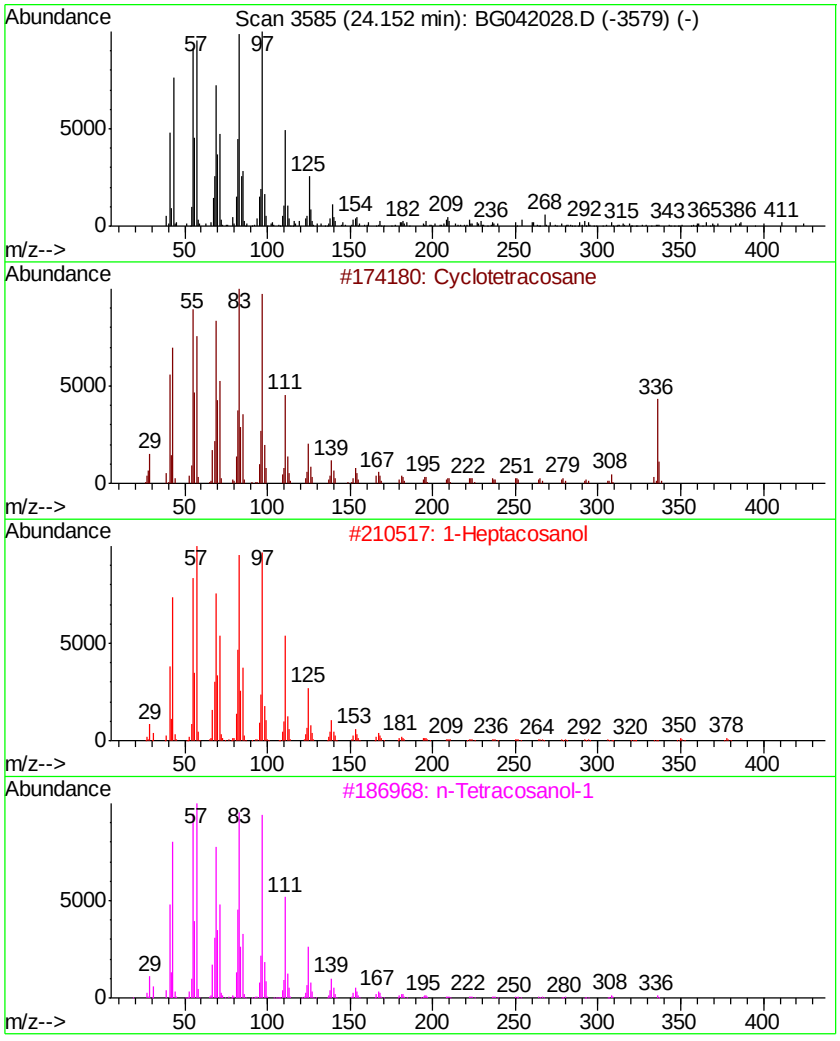
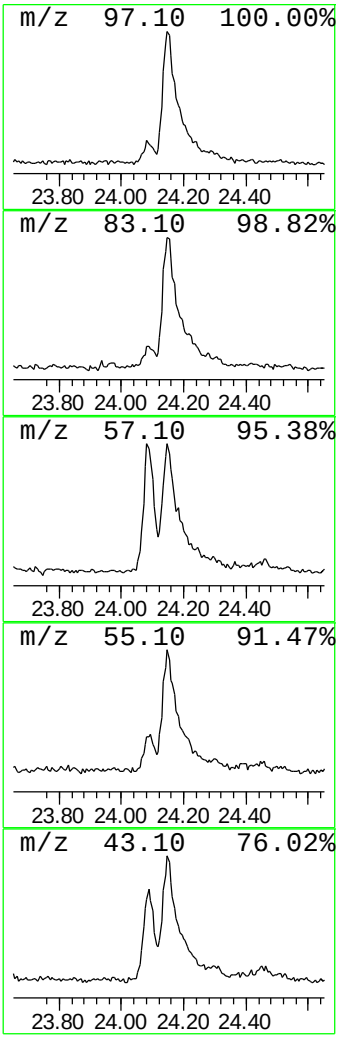
Peak Number 26 (DEL) Alkane: Cyclic24.15 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.15	6.97 ng/ul	425769	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	98
2	1-Heptacosanol	396	C27H56O	002004-39-9	94
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
4	Behenic alcohol	326	C22H46O	000661-19-8	94
5	1-Heneicosanol	312	C21H44O	015594-90-8	94





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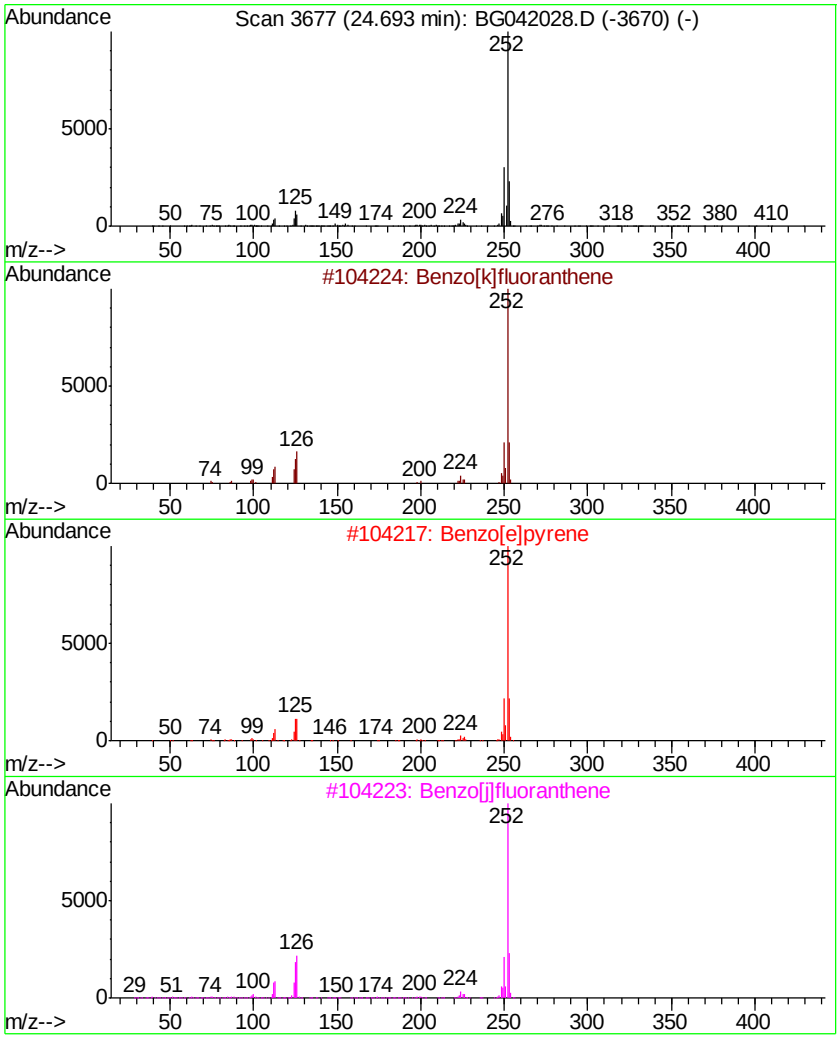
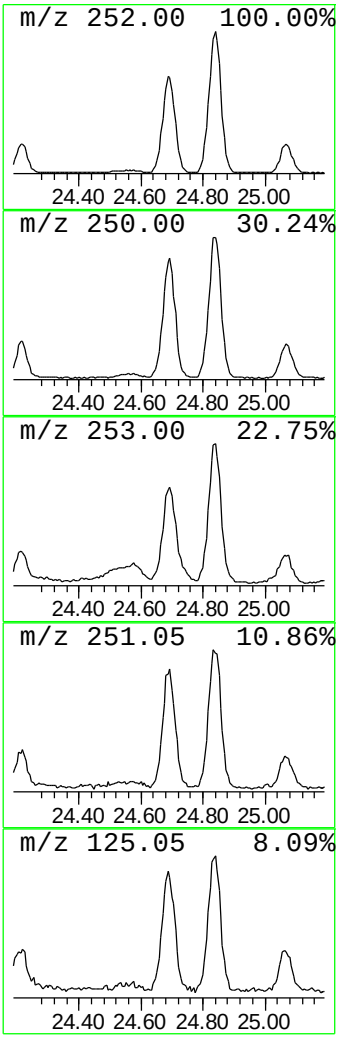
Peak Number 27 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.69	10.63 ng/ul	649813	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080619\
Data File : BG042028.D
Acq On : 7 Aug 2019 13:04
Operator : HP/JU
Sample : K4028-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEP68

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	104.5	ng/ul	2130790	1	8.02	407763	20.0
1,1'-Biphenyl, 2,...	18.02	3.0	ng/ul	174764	4	17.44	1186530	20.0
Phenanthrene, 1-m...	18.32	6.2	ng/ul	369264	4	17.44	1186530	20.0
Phenanthrene, 2-m...	18.37	6.0	ng/ul	357153	4	17.44	1186530	20.0
unknown-01	18.51	11.0	ng/ul	650019	4	17.44	1186530	20.0
Anthracene, 9-met...	18.55	4.4	ng/ul	259802	4	17.44	1186530	20.0
5,16[1',2']:8,13[...	18.81	3.8	ng/ul	224998	4	17.44	1186530	20.0
9,10-Anthracenedione	18.85	2.7	ng/ul	158435	4	17.44	1186530	20.0
Anthracene, 2-ethyl-	19.06	3.2	ng/ul	191176	4	17.44	1186530	20.0
Phenanthrene, 2,5...	19.23	5.8	ng/ul	342331	4	17.44	1186530	20.0
Phenanthrene, 2,7...	19.29	4.4	ng/ul	261461	4	17.44	1186530	20.0
1,1'-Biphenyl, 3,...	19.32	2.7	ng/ul	159643	4	17.44	1186530	20.0
Biphenyl, 2,4,4',...	19.36	5.3	ng/ul	315458	4	17.44	1186530	20.0
Tetrachloro-o-ben...	19.55	2.6	ng/ul	154081	4	17.44	1186530	20.0
1,1'-Biphenyl, 2,...	20.08	2.1	ng/ul	286046	5	21.73	2771740	20.0
Pyrene, 1-methyl-	20.19	3.4	ng/ul	465678	5	21.73	2771740	20.0
11H-Benzo[b]fluorene	20.35	4.9	ng/ul	678462	5	21.73	2771740	20.0
Phosphoric acid, ...	21.09	4.3	ng/ul	598079	5	21.73	2771740	20.0
Benzo[b]naphtho[2...	21.30	3.1	ng/ul	432094	5	21.73	2771740	20.0
unknown-02	21.93	2.6	ng/ul	366365	5	21.73	2771740	20.0
Chrysene, 1-methyl-	22.54	2.3	ng/ul	324635	5	21.73	2771740	20.0
Bicyclo[10.8.0]ei...	23.61	6.3	ng/ul	383203	6	24.99	1222350	20.0
(DEL) Alkane: Str...	24.09	3.7	ng/ul	227202	6	24.99	1222350	20.0
(DEL) Alkane: Cyc...	24.15	7.0	ng/ul	425769	6	24.99	1222350	20.0
Benzo[e]pyrene	24.69	10.6	ng/ul	649813	6	24.99	1222350	20.0