LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042022.D
Acq On : 7 Aug 2019 9:13
Operator : HP/JU
Sample : K4028-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ0

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	3.144	4	9	30	rVB	1483096	2329638	99.40%	6.947%
2	3.408	50	54	61	rVB3	7432	12643	0.54%	0.038%
3	3.943	140	145	150	rVB3	5592	8127	0.35%	0.024%
4	4.072	162	167	175	rVV2	10090	18071	0.77%	0.054%
5	4.172	178	184	197	rVB	152291	245711	10.48%	0.733%
6	5.512	406	412	417	rBV	6731	11813	0.50%	0.035%
7	5.994	488	494	502	rBV	30887	51588	2.20%	0.154%
8	7.175	686	695	707	rBV2	130993	263443	11.24%	0.786%
9	7.345	718	724	735	rBV	100904	179973	7.68%	0.537%
10	7.556	753	760	773	rVB	142217	263447	11.24%	0.786%
11	8.027	833	840	849	rBV	215747	362786	15.48%	1.082%
12	8.732	953	960	974	rBV	163112	311212	13.28%	0.928%
13	8.855	974	981	986	rVV4	4772	8910	0.38%	0.027%
14	9.190	1031	1038	1049	rBV2	135991	249543	10.65%	0.744%
15	9.918	1155	1162	1171	rBV	115917	219193	9.35%	0.654%
16	10.465	1246	1255	1276	rBV	191151	384683	16.41%	1.147%
17	10.853	1312	1321	1328	rBV	311192	564811	24.10%	1.684%
18	10.982	1335	1343	1360	rBV	128759	273317	11.66%	0.815%
19	12.515	1598	1604	1608	rBV3	5006	9057	0.39%	0.027%
20	12.739	1634	1642	1646	rBV2	5662	10950	0.47%	0.033%
21	13.520	1769	1775	1780	rBV5	5203	9429	0.40%	0.028%
22	14.008	1854	1858	1864	rBV3	9286	16028	0.68%	0.048%
23	14.084	1864	1871	1875	rBV	449084	654549	27.93%	1.952%
24	14.131	1875	1879	1885	rVB	163075	235893	10.06%	0.703%
25	14.243	1890	1898	1901	rVV5	5397	10734	0.46%	0.032%
26	14.378	1911	1921	1934	rBV	527682	878465	37.48%	2.620%
27	14.689	1964	1974	1983	rBV2	583760	1159843	49.49%	3.459%
28	14.748	1983	1984	1992	rVB2	24972	28002	1.19%	0.084%
29	14.871	1999	2005	2019	rBV2	89890	207507	8.85%	0.619%
30	15.089	2037	2042	2049	rVB2	23887	43323	1.85%	0.129%
31	15.165	2049	2055	2060	rVB3	8826	13585	0.58%	0.041%
32	15.306	2069	2079	2084	rBV5	6423	14358	0.61%	0.043%
33	15.353	2084	2087	2092	rBV3	6479	9556	0.41%	0.028%
34	15.482	2102	2109	2116	rBV6	9801	26490	1.13%	0.079%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
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Acq On : 7 Aug 2019 9:13
Operator : HP/JU
Sample : K4028-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ0

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	15.547	2116	2120	2124	rVB7	5521	8633	0.37%	0.026%
36	15.682	2131	2143	2148	rVV	700825	1102127	47.02%	3.287%
37	15.735	2148	2152	2156	rVV3	36573	60094	2.56%	0.179%
38	15.794	2156	2162	2170	rVV	151271	261610	11.16%	0.780%
39	15.858	2170	2173	2177	rVV3	13506	21783	0.93%	0.065%
40	15.911	2177	2182	2185	rVV6	15568	34762	1.48%	0.104%
41	15.947	2186	2188	2193	rVV5	11259	14625	0.62%	0.044%
42	16.029	2198	2202	2210	rVB4	14976	31980	1.36%	0.095%
43	16.182	2221	2228	2234	rBV4	11427	25727	1.10%	0.077%
44	16.264	2234	2242	2249	rVB9	7737	22914	0.98%	0.068%
45	16.405	2260	2266	2273	rBV8	19294	45036	1.92%	0.134%
46	16.628	2300	2304	2308	rBV4	7755	14637	0.62%	0.044%
47	16.746	2315	2324	2327	rBV5	24322	51778	2.21%	0.154%
48	16.787	2327	2331	2338	rVB3	53045	83023	3.54%	0.248%
49	16.857	2338	2343	2347	rBV8	9790	24905	1.06%	0.074%
50	16.893	2347	2349	2354	rVB6	11843	15761	0.67%	0.047%
51	16.957	2356	2360	2361	rBV4	9768	12998	0.55%	0.039%
52	17.039	2372	2374	2378	rVB	26647	27645	1.18%	0.082%
53	17.092	2379	2383	2390	rVB3	14682	25683	1.10%	0.077%
54	17.192	2393	2400	2404	rBV7	13382	35990	1.54%	0.107%
55	17.251	2406	2410	2415	rVB2	52221	80565	3.44%	0.240%
56	17.439	2436	2442	2446	rBV2	724938	1145451	48.87%	3.416%
57	17.480	2446	2449	2453	rVV	440173	602641	25.71%	1.797%
58	17.539	2453	2459	2469	rVV	751447	1328495	56.68%	3.962%
59	17.627	2470	2474	2480	rVB5	21339	41442	1.77%	0.124%
60	17.833	2505	2509	2515	rBV2	49091	86132	3.67%	0.257%
61	18.021	2538	2541	2549	rVB3	47269	75797	3.23%	0.226%
62	18.326	2587	2593	2596	rBV2	145934	310995	13.27%	0.927%
63	18.361	2596	2599	2603	rVV	155827	262823	11.21%	0.784%
64	18.403	2603	2606	2609	rVV	74784	93280	3.98%	0.278%
65	18.444	2610	2613	2618	rVV	50672	80604	3.44%	0.240%
66	18.508	2619	2624	2628	rVV3	253458	447519	19.09%	1.335%
67	18.544	2628	2630	2638	rVB2	91706	179820	7.67%	0.536%
68	18.808	2669	2675	2679	rBV2	82974	183135	7.81%	0.546%
69	18.843	2679	2681	2688	rVB3	71278	108127	4.61%	0.322%
70	18.931	2694	2696	2699	rBV3	31235	38871	1.66%	0.116%
71	19.061	2715	2718	2722	rVB2	52877	56666	2.42%	0.169%

LSC Area Percent Report

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Acq On : 7 Aug 2019 9:13
Operator : HP/JU
Sample : K4028-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ0

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	19.231	2742	2747	2751	rBV	118514	200791	8.57%	0.599%
73	19.278	2751	2755	2760	rVV5	75123	181235	7.73%	0.540%
74	19.319	2760	2762	2765	rVV	106381	137350	5.86%	0.410%
75	19.360	2766	2769	2778	rVB4	146781	248864	10.62%	0.742%
76	19.490	2786	2791	2798	rVB	902967	1252040	53.42%	3.734%
77	19.554	2799	2802	2804	rBV3	45912	62856	2.68%	0.187%
78	19.631	2813	2815	2820	rVB2	89611	108246	4.62%	0.323%
79	19.824	2842	2848	2851	rBV	1126475	1838733	78.45%	5.483%
80	19.854	2851	2853	2861	rVB	914424	1123638	47.94%	3.351%
81	20.048	2883	2886	2890	rBV	466923	511729	21.83%	1.526%
82	20.183	2903	2909	2914	rBV2	104113	260243	11.10%	0.776%
83	20.341	2933	2936	2941	rVB	209452	298458	12.73%	0.890%
84	20.441	2950	2953	2957	rVB	131741	160195	6.83%	0.478%
85	20.506	2960	2964	2967	rVB	141464	186017	7.94%	0.555%
86	20.641	2984	2987	2990	rBV	106083	120651	5.15%	0.360%
87	20.688	2992	2995	2999	rVB	135182	162477	6.93%	0.485%
88	21.047	3053	3056	3061	rBV2	109697	151468	6.46%	0.452%
89	21.352	3103	3108	3119	rBV5	206054	543146	23.17%	1.620%
90	21.611	3148	3152	3158	rVB	769233	1058362	45.16%	3.156%
91	21.716	3162	3170	3175	rVV2	925674	2343772	100.00%	6.989%
92	21.763	3175	3178	3187	rVB	463366	782411	33.38%	2.333%
93	21.869	3194	3196	3200	rBV2	52476	58521	2.50%	0.175%
94	21.928	3202	3206	3212	rVB3	103440	216097	9.22%	0.644%
95	23.955	3543	3551	3558	rBV2	278487	947926	40.44%	2.827%
96	24.683	3668	3675	3680	rBV2	171422	433608	18.50%	1.293%
97	24.760	3681	3688	3695	rVV2	484234	1399282	59.70%	4.173%
98	24.830	3696	3700	3710	rVB	288122	673994	28.76%	2.010%
99	24.989	3718	3727	3735	rBV2	449660	1311153	55.94%	3.910%
100	28.708	4352	4360	4382	rVB2	122564	629316	26.85%	1.877%

Sum of corrected areas: 33533331

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042022.D
Acq On : 7 Aug 2019 9:13
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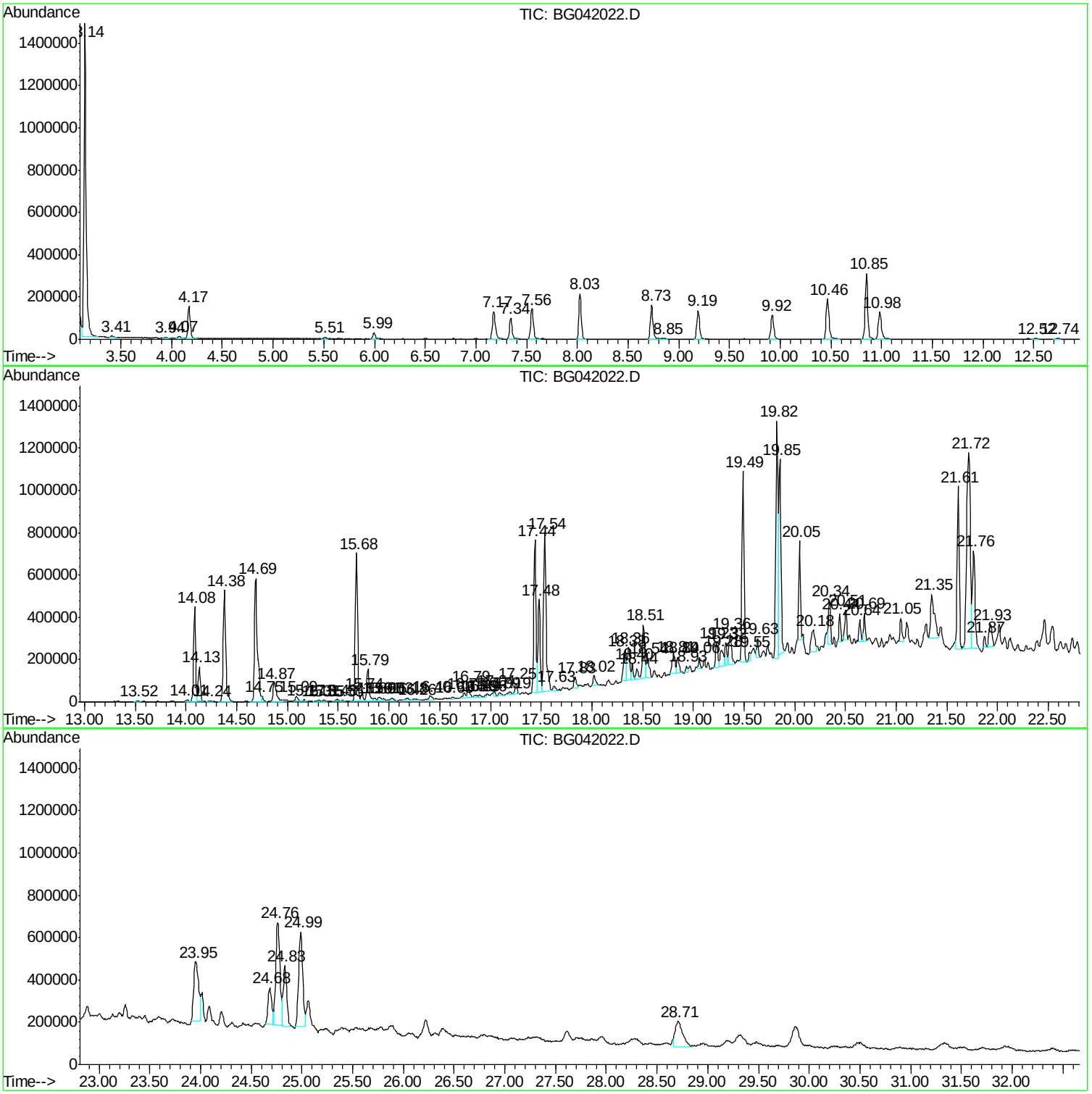
Sample : K4028-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENZ0

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 : BG042022.D
Acq On : 7 Aug 2019 9:13
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Instrument : BNA_G
ClientSampleId : BENZ0

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

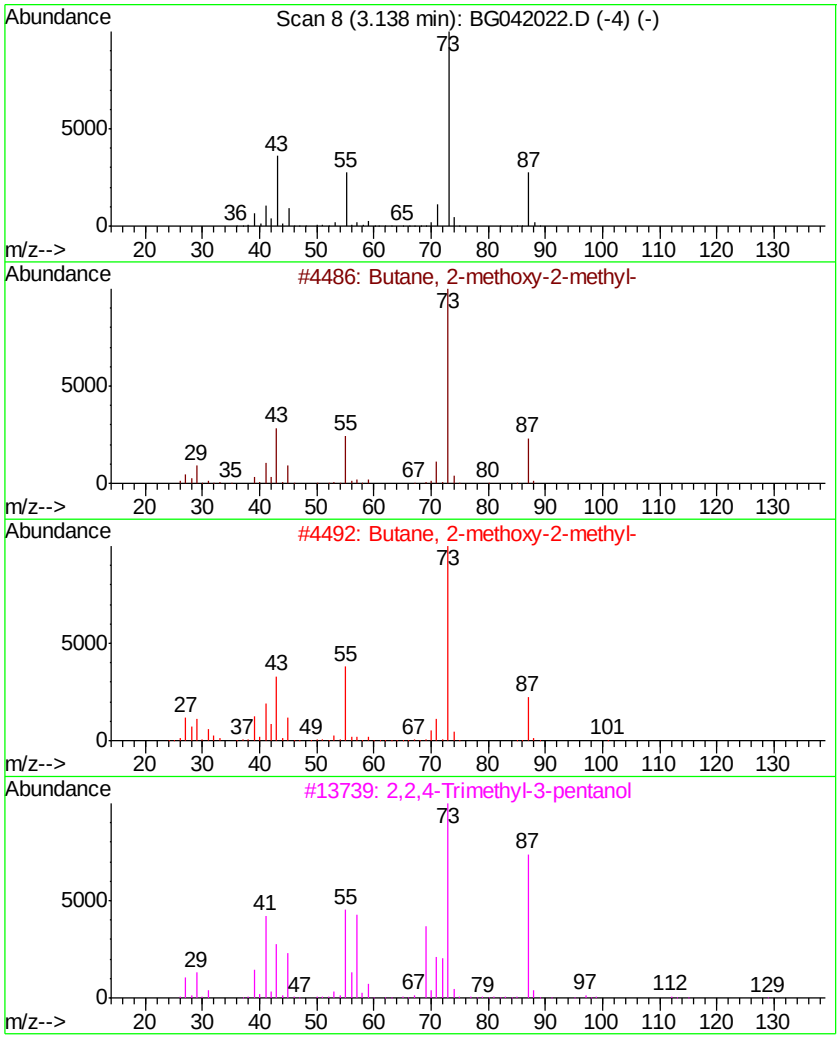
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

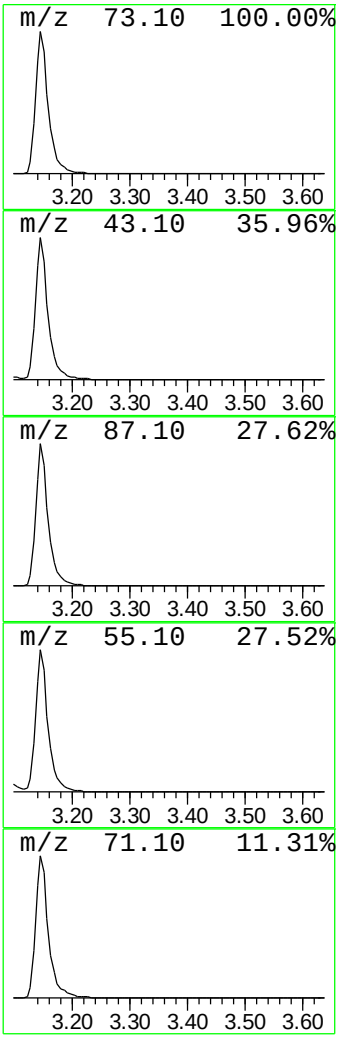
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	128.43 ng/ul	2329640	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	59
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	45
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	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042022.D
Acq On : 7 Aug 2019 9:13
Operator : HP/JU
Sample : K4028-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ0

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

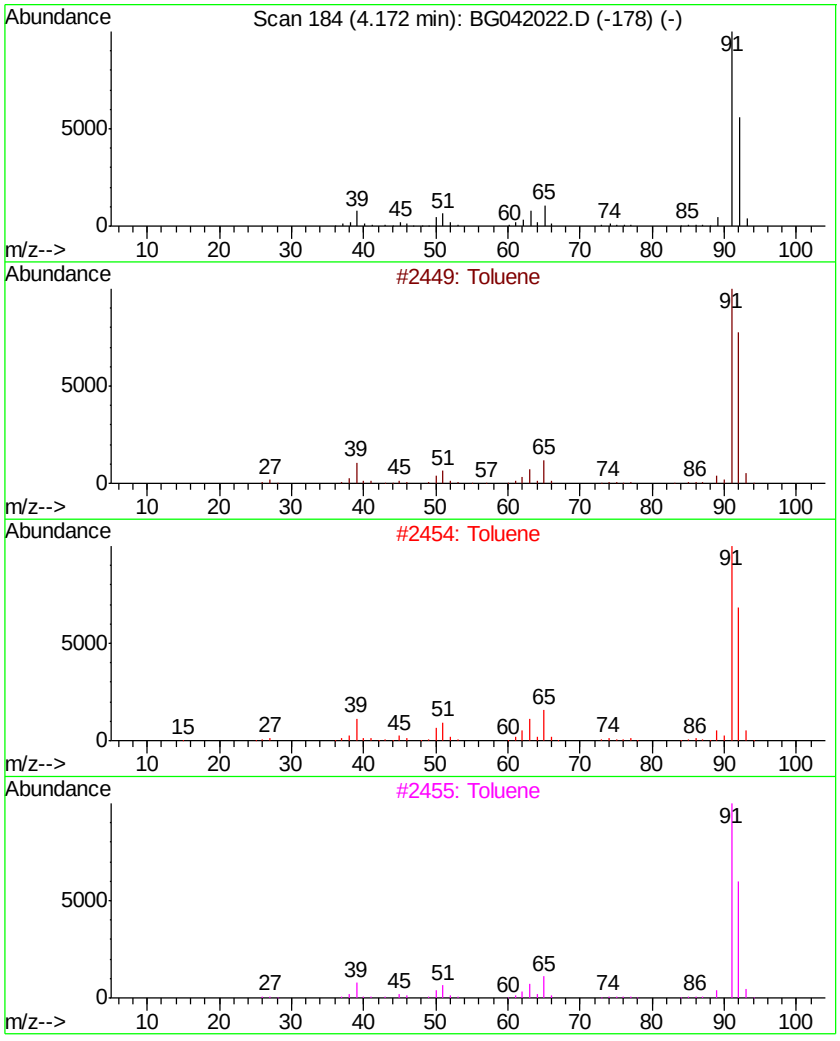
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

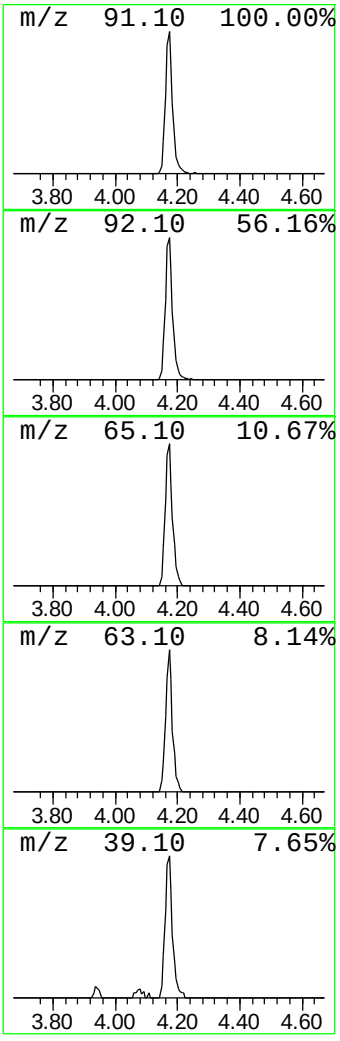
****

Peak Number 2 1,3,5-Cycloheptatriene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	13.55 ng/ul	245711	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	91
2	Toluene	92	C7H8	000108-88-3	91
3	Toluene	92	C7H8	000108-88-3	90
4	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	90
5	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042022.D
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Sample : K4028-08
Misc :
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Instrument : BNA_G
ClientSampleId : BENZ0

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

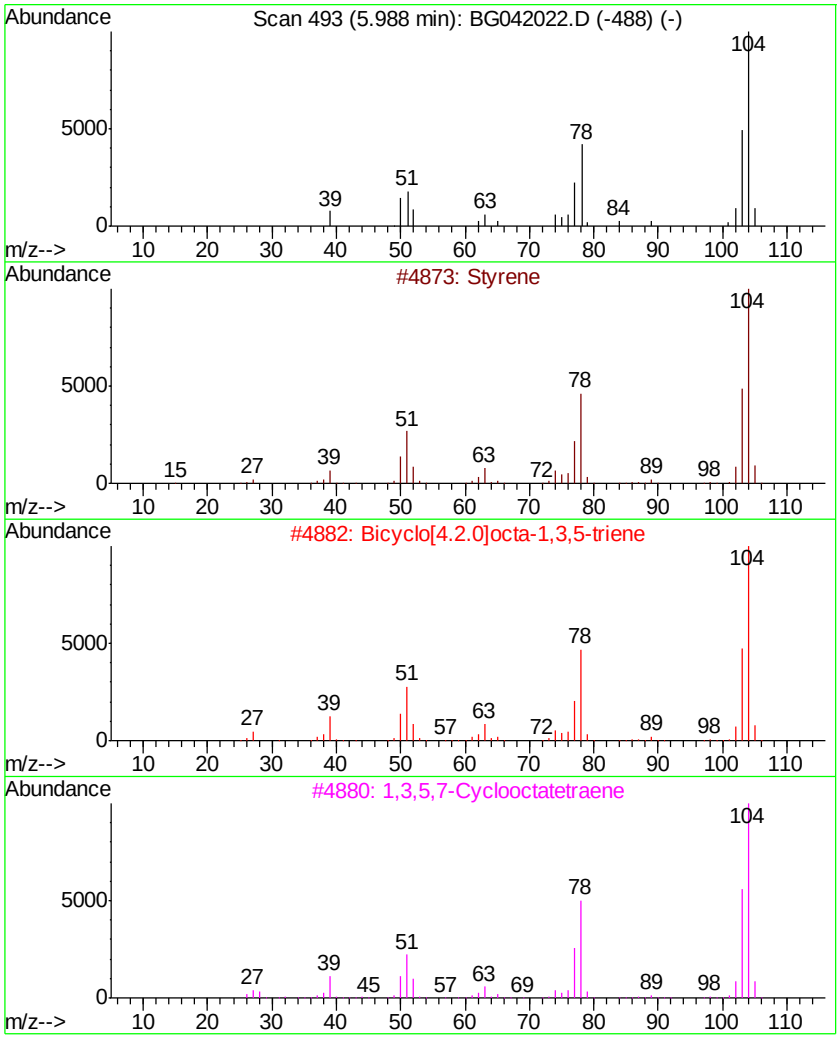
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

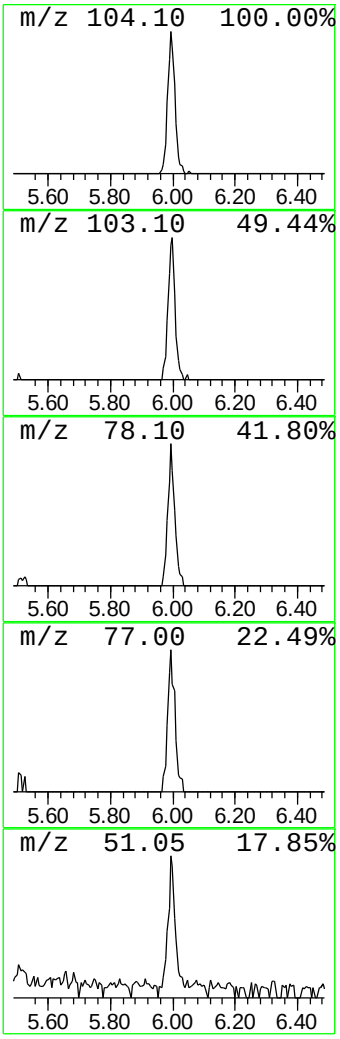
****

Peak Number 3 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.99	2.84 ng/ul	51588	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Styrene	104	C8H8	000100-42-5	97
2	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	97
3	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	94
4	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	94
5	Styrene	104	C8H8	000100-42-5	94





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Data File : BG042022.D
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Sample : K4028-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ0

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

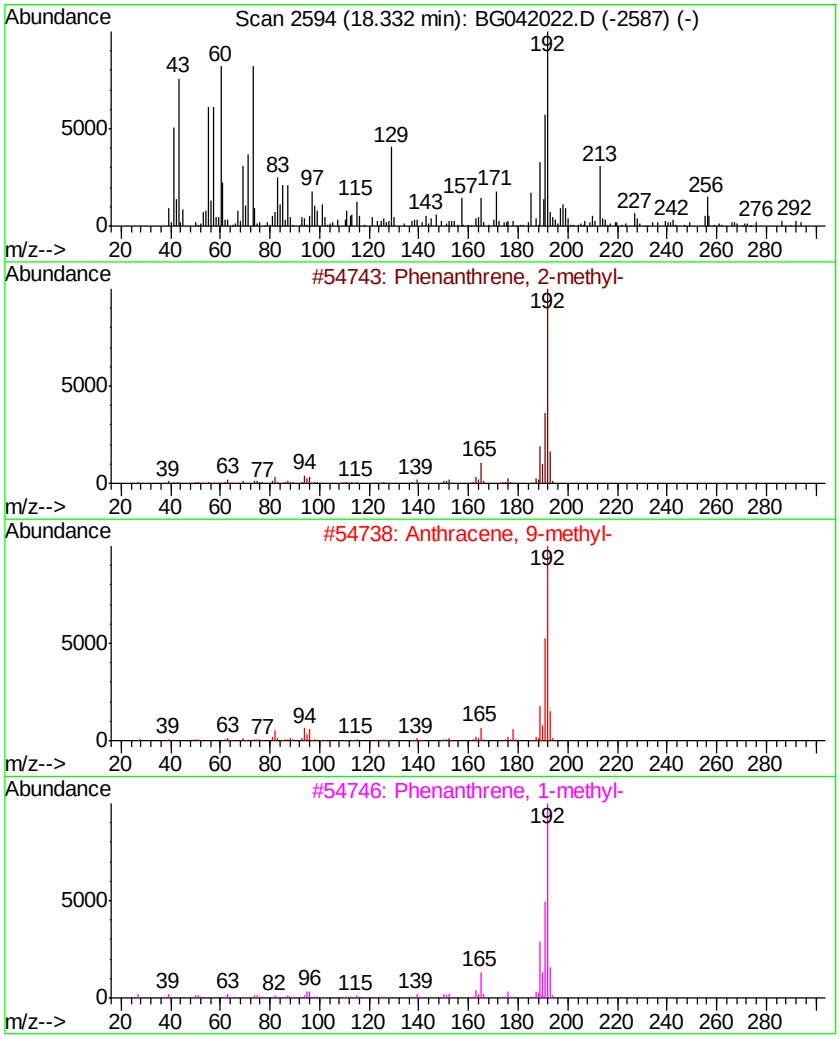
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

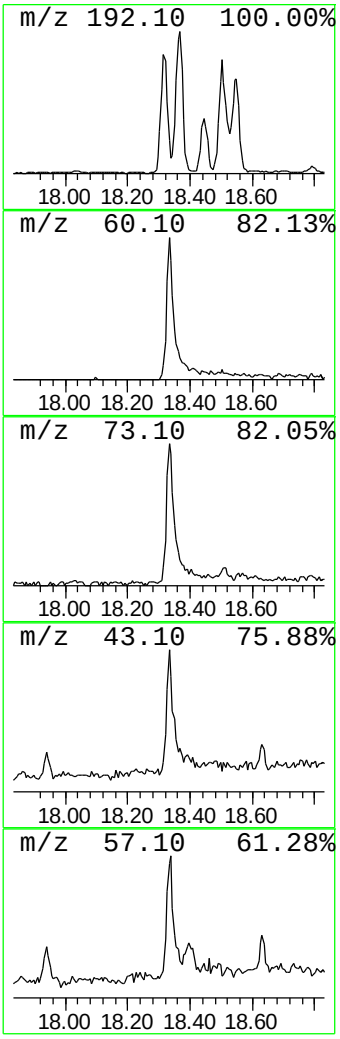
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	5.43 ng/ul	310995	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	70
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042022.D
Acq On : 7 Aug 2019 9:13
Operator : HP/JU
Sample : K4028-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ0

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

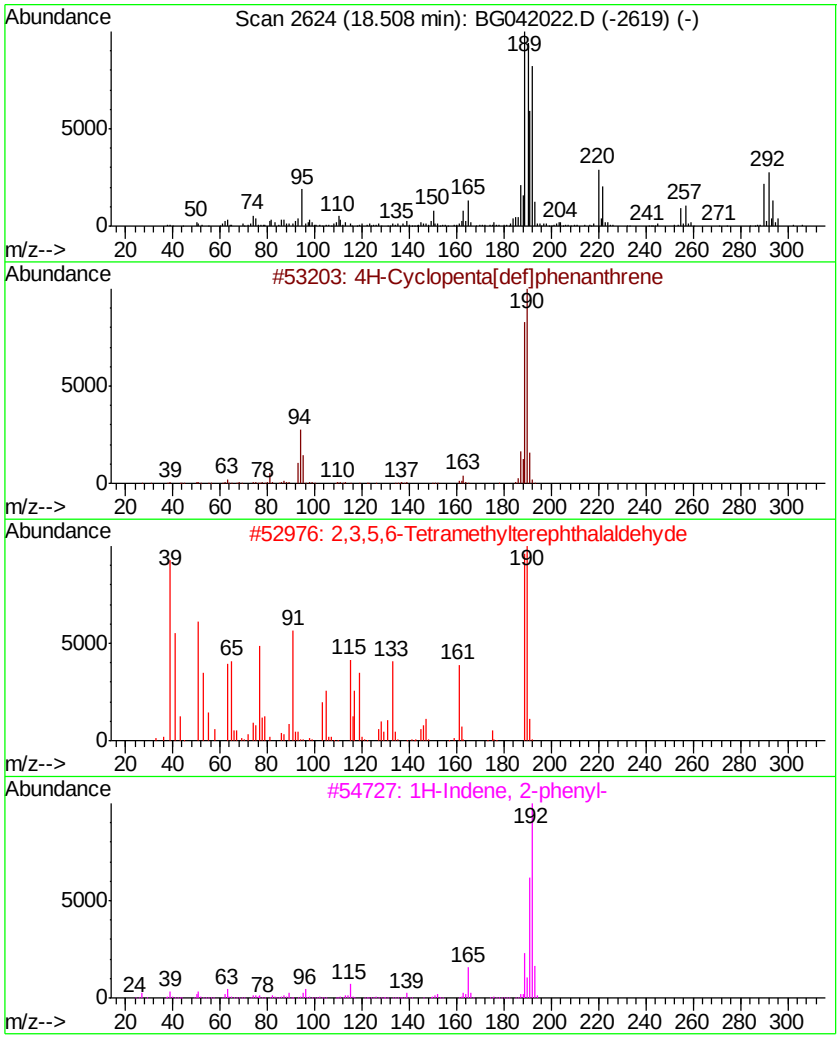
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

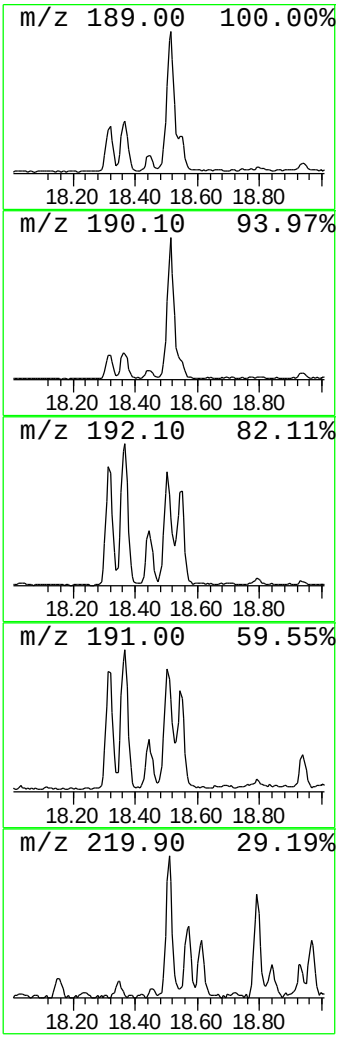
****

Peak Number 5 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	7.81 ng/ul	447519	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	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	35
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	35
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35





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Acq On : 7 Aug 2019 9:13
Operator : HP/JU
Sample : K4028-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ0

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Quant Title : SVOA CALIBRATION

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

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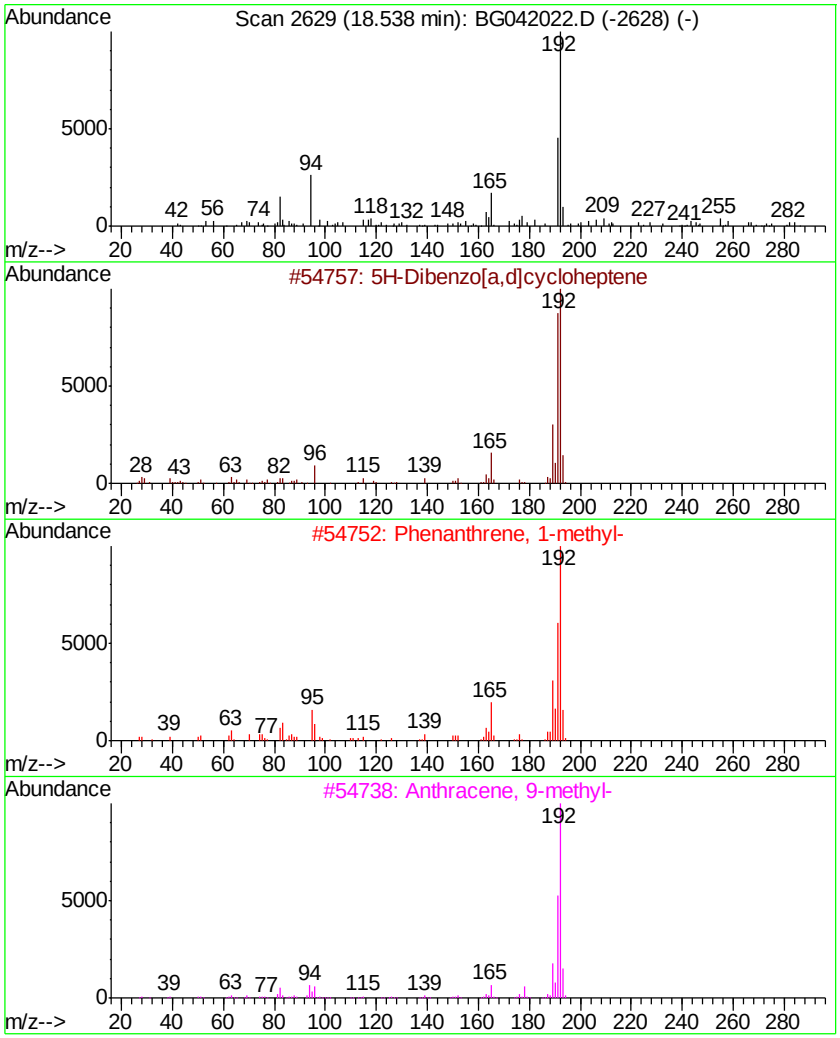
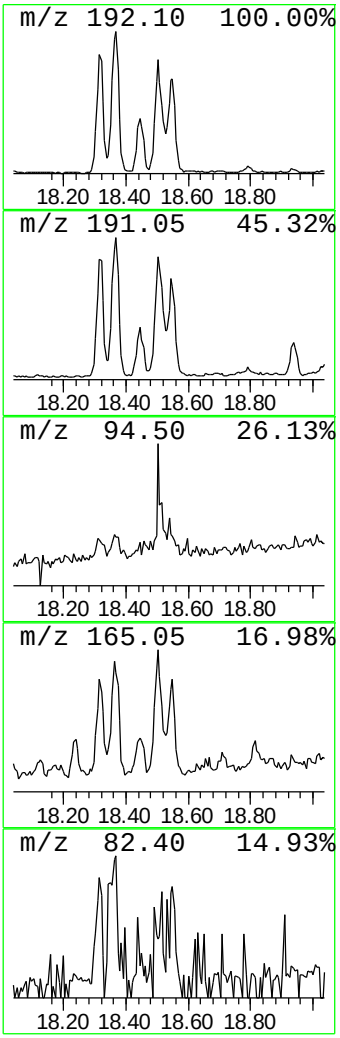
Peak Number 6 5H-Dibenzo[a,d]cycloheptene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	3.14 ng/ul	179820	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86





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Instrument : BNA_G
ClientSampleId : BENZ0

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Quant Title : SVOA CALIBRATION

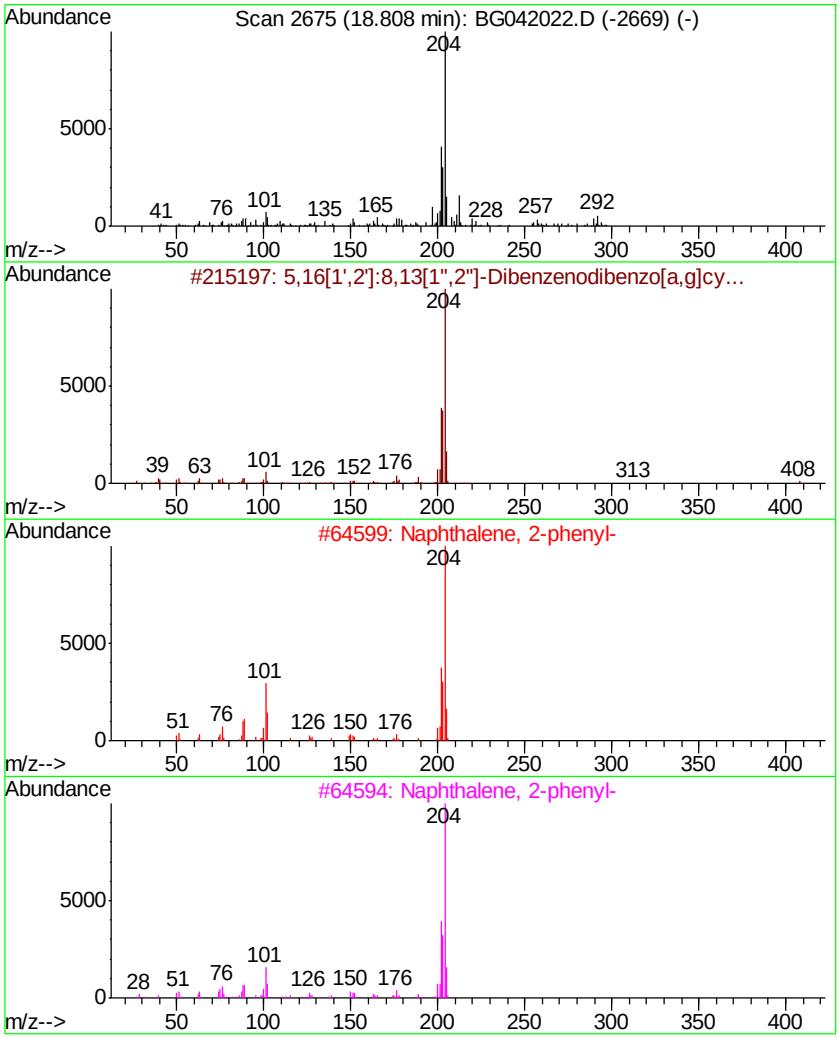
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

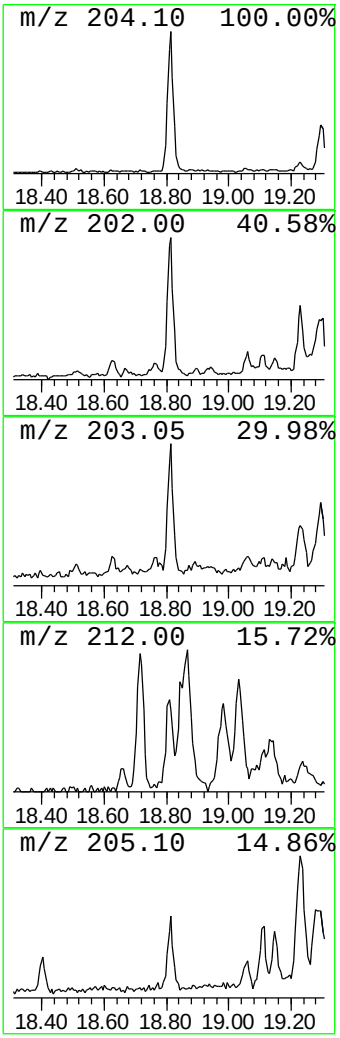
****

Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	3.20 ng/ul	183135	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	64
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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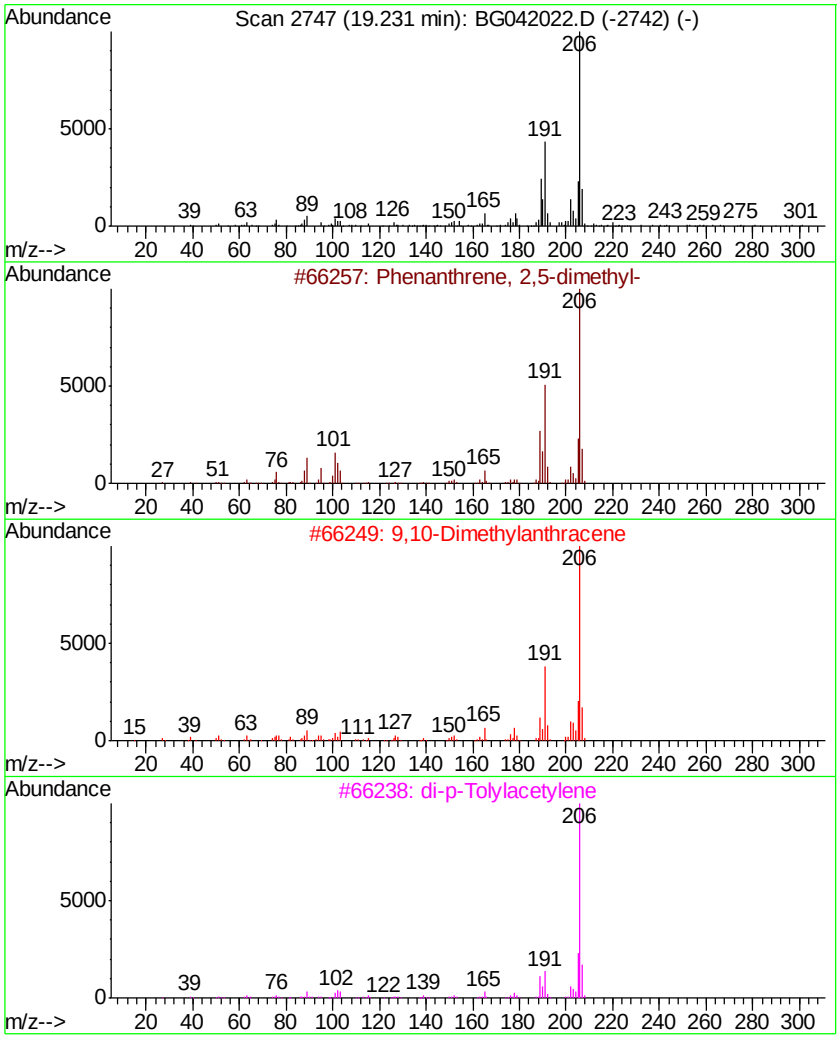
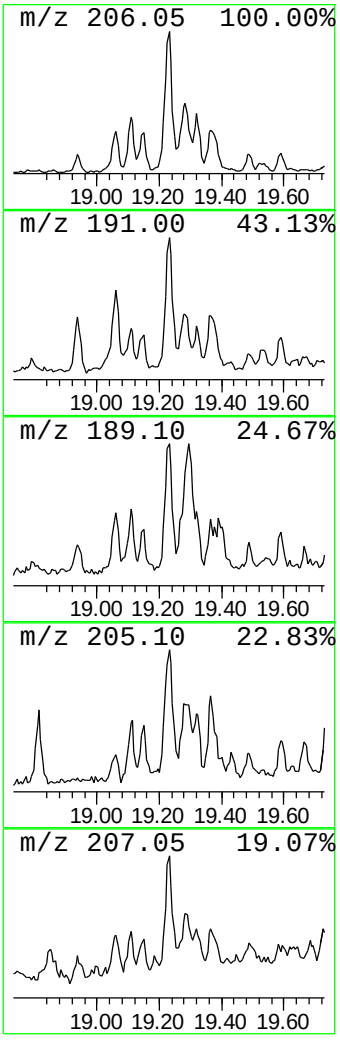
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	3.51 ng/ul	200791	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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ClientSampleId : BENZ0

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Quant Title : SVOA CALIBRATION

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

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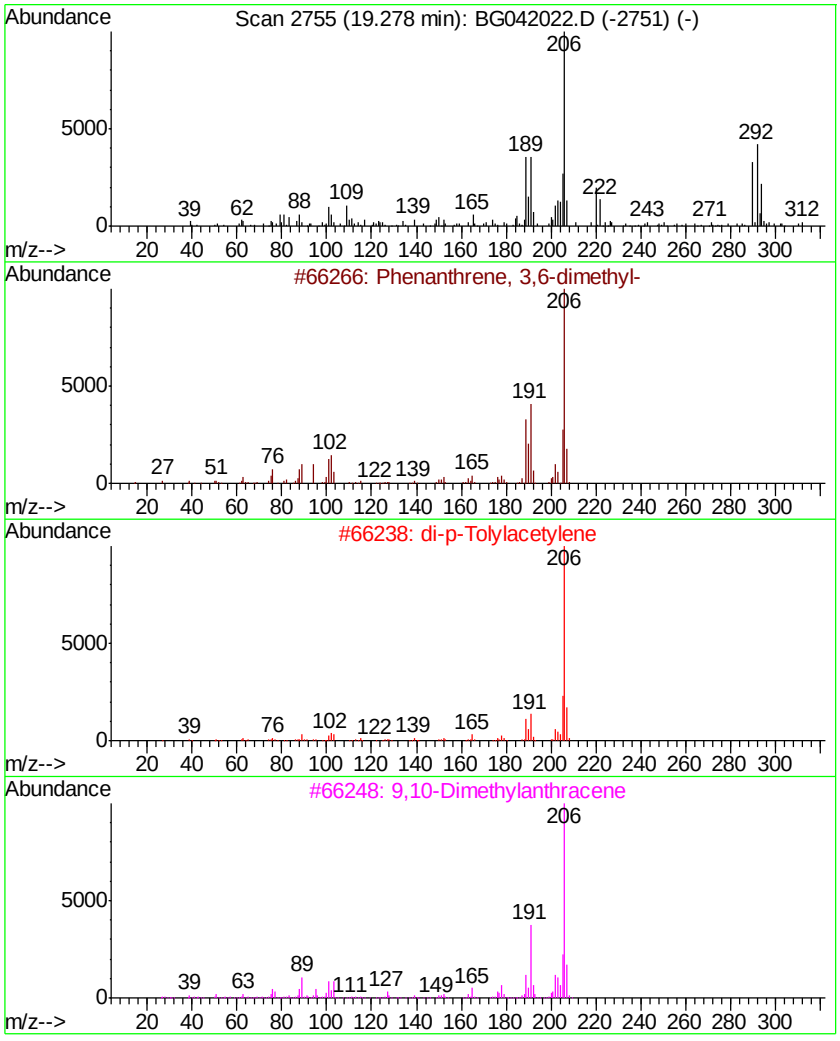
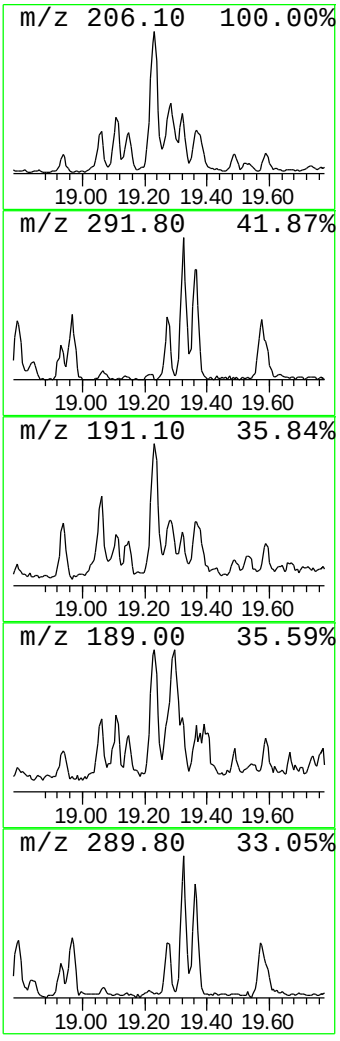
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	3.16 ng/ul	181235	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	55
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	50
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	49





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ClientSampleId : BENZ0

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Quant Title : SVOA CALIBRATION

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

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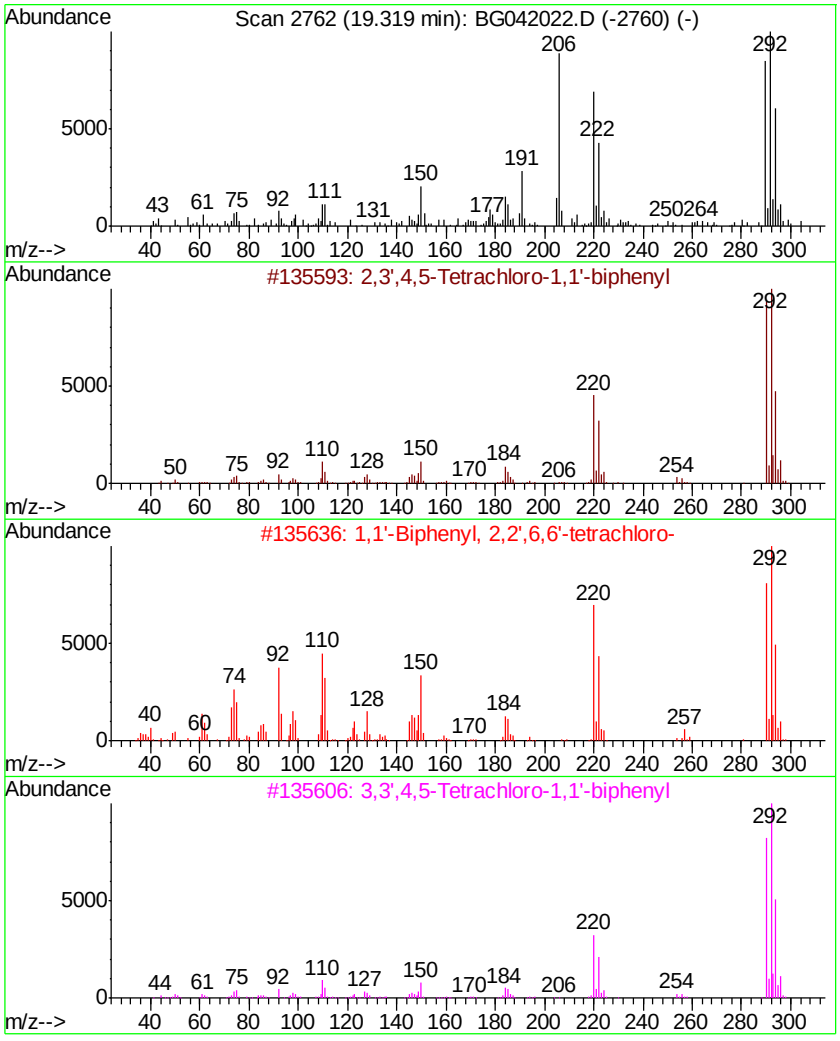
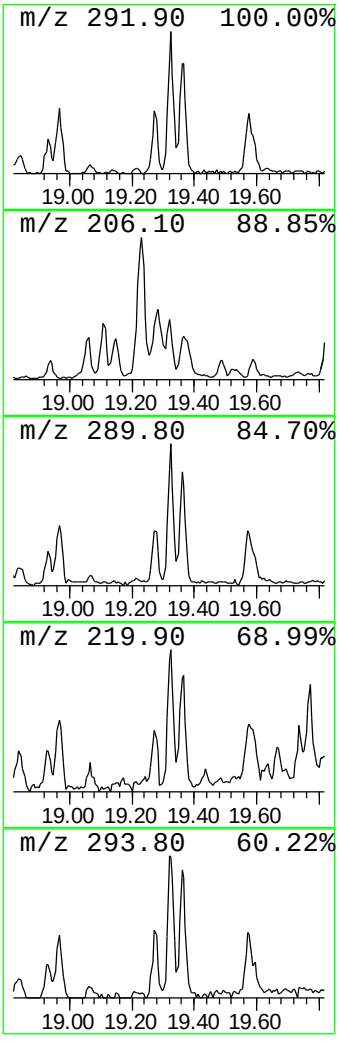
Peak Number 10 2,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.32	2.40 ng/ul	137350	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	98
3	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	98
4	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	98
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	98





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Instrument : BNA_G
ClientSampleId : BENZ0

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Quant Title : SVOA CALIBRATION

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

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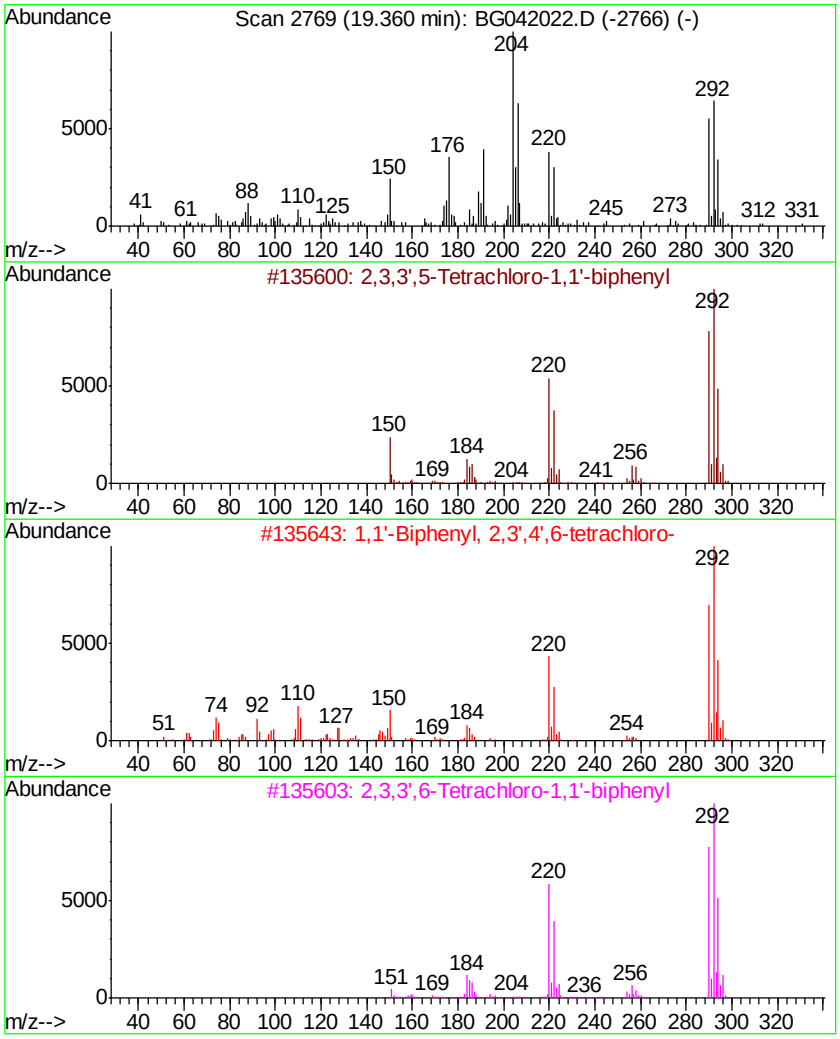
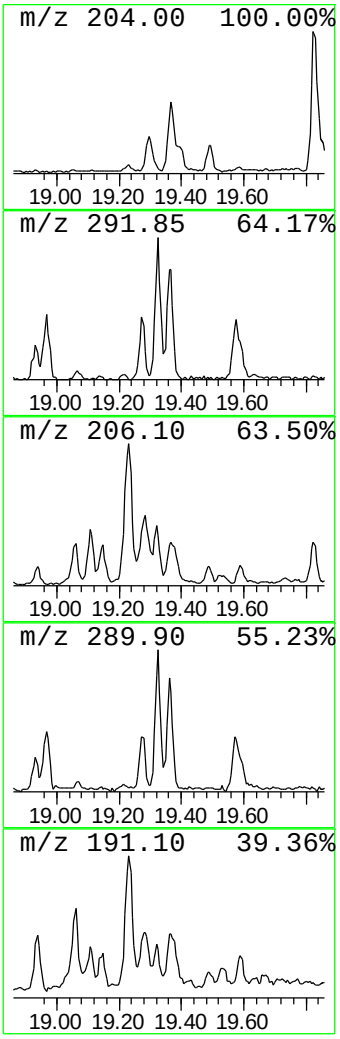
Peak Number 11 2,3,3',5-Tetrachloro-1,1'-b... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	4.35 ng/ul	248864	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070424-67-8	94
2	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	94
3	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	86
4	2,3,3',4-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-24-2	86
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	86





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Quant Title : SVOA CALIBRATION

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

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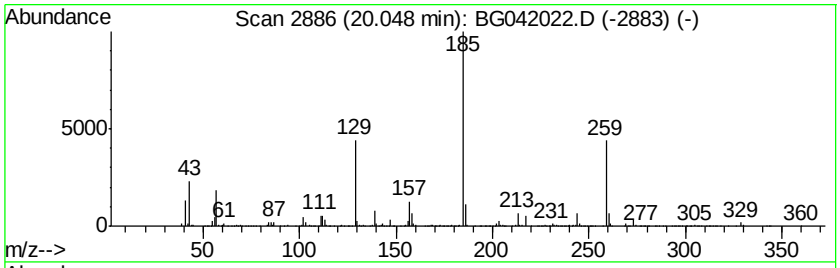
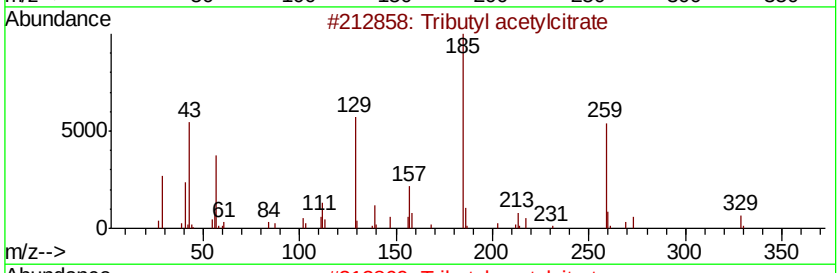
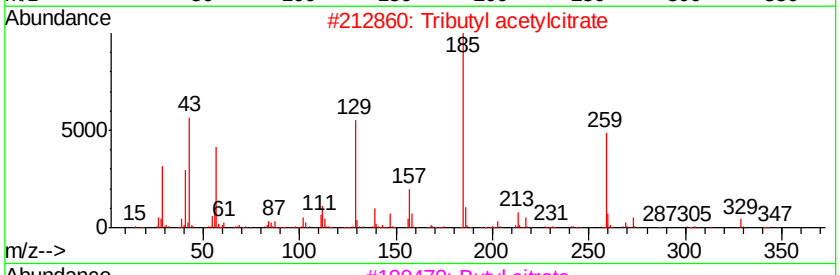
Peak Number 12 Tributyl acetylcitrate Concentration Rank 7

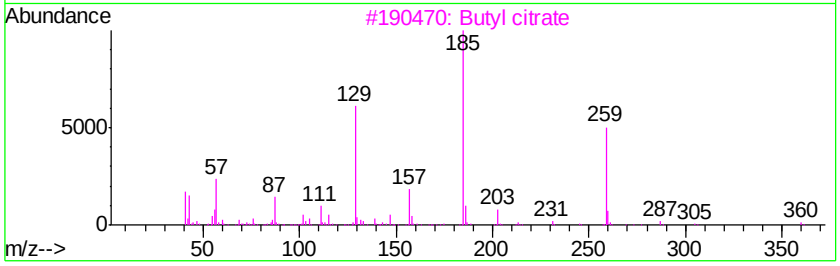
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	4.37 ng/ul	511729	Chrysene-d12	21.72

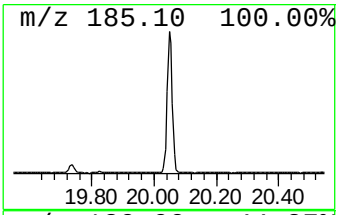
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tributyl acetylcitrate	402	C20H34O8	000077-90-7	59
2	Tributyl acetylcitrate	402	C20H34O8	000077-90-7	43
3	Butyl citrate	360	C18H32O7	000077-94-1	42
4	Butyl citrate	360	C18H32O7	000077-94-1	38
5	Tributyl acetylcitrate	402	C20H34O8	000077-90-7	37

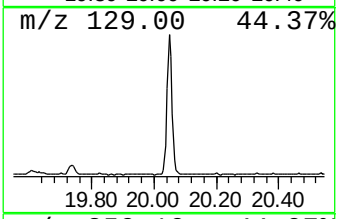


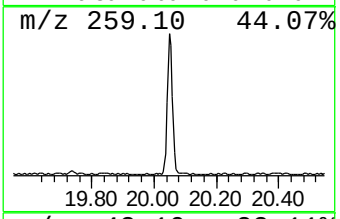


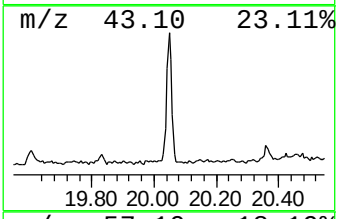


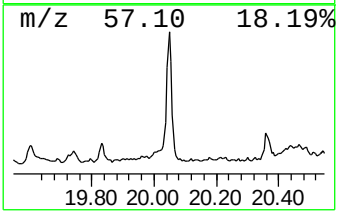












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Misc :
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Instrument : BNA_G
ClientSampleId : BENZ0

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Quant Title : SVOA CALIBRATION

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

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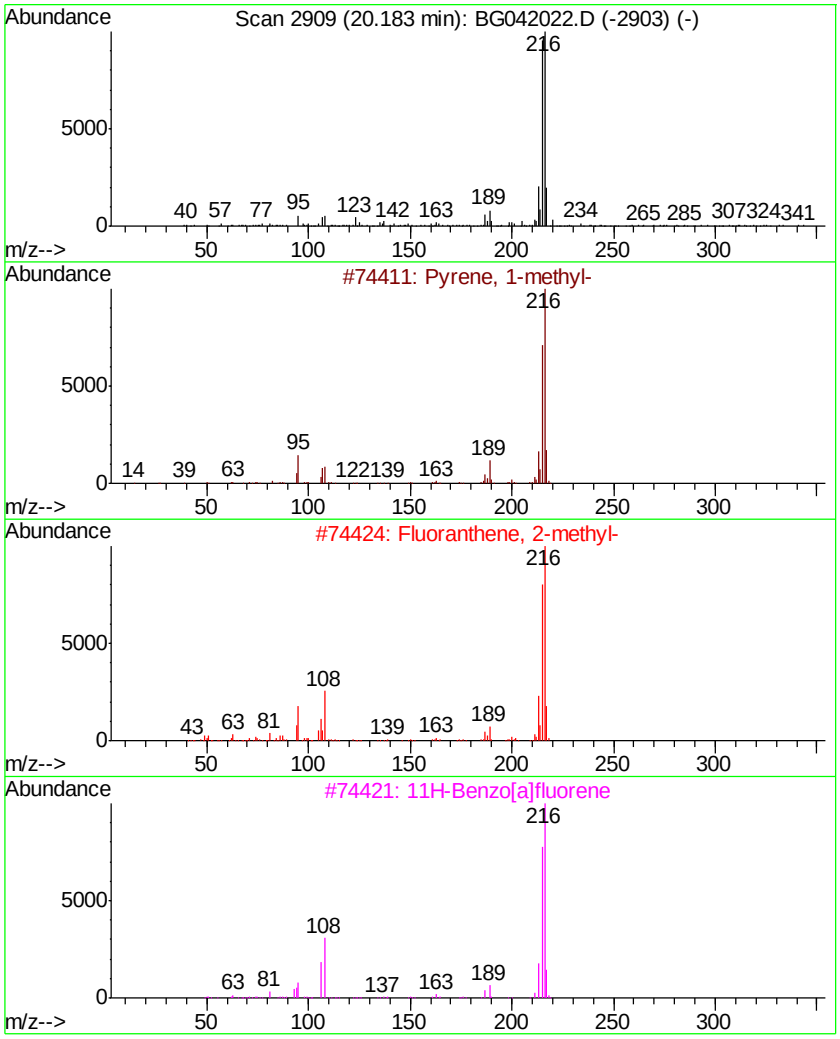
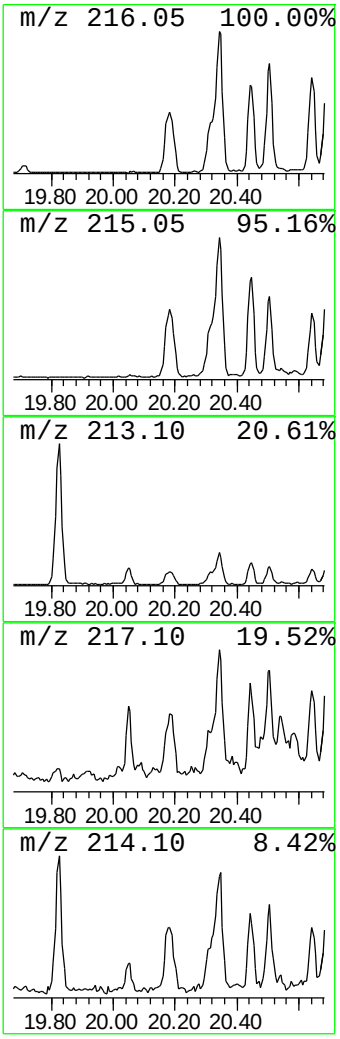
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.18	2.22 ng/ul	260243	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Library Search Compound Report

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Sample : K4028-08
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Instrument : BNA_G
ClientSampleId : BENZ0

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Quant Title : SVOA CALIBRATION

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

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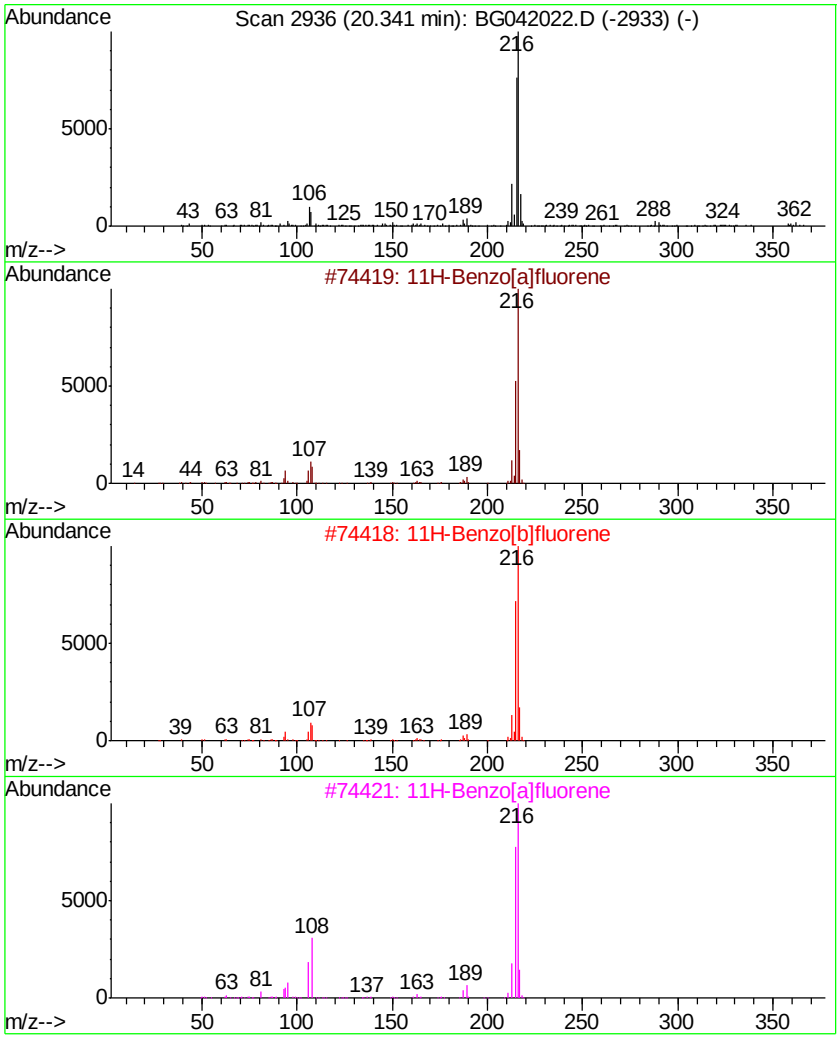
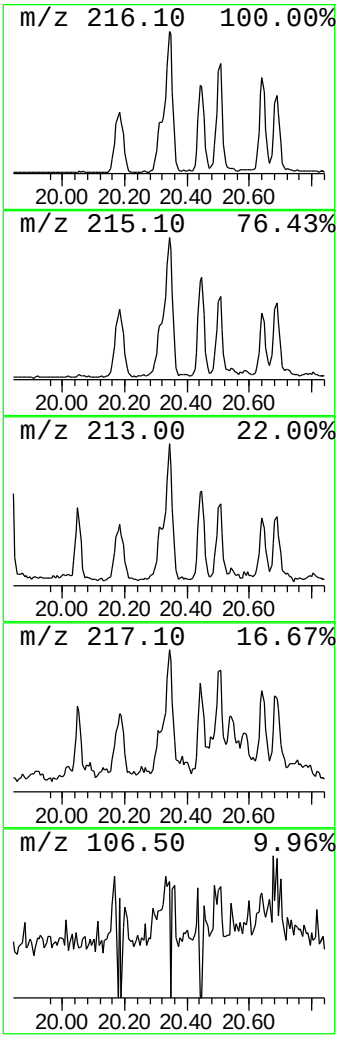
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	2.55 ng/ul	298458	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





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Sample : K4028-08
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Instrument : BNA_G
ClientSampleId : BENZ0

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Quant Title : SVOA CALIBRATION

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

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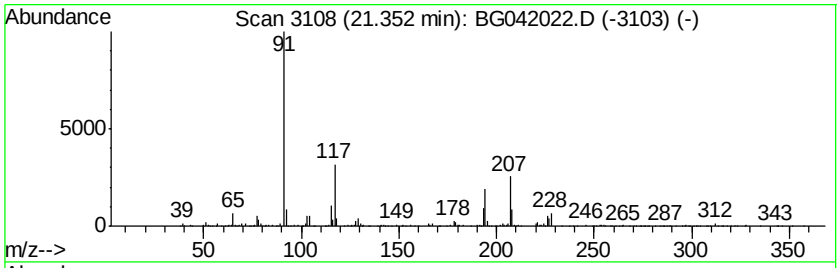
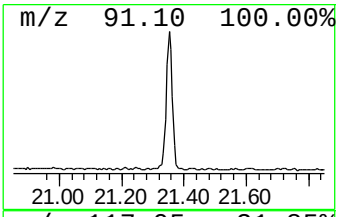
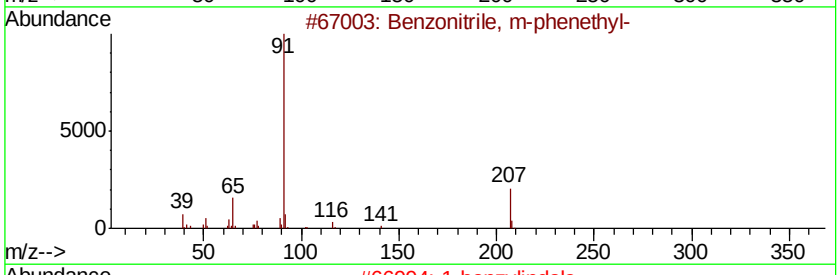
Peak Number 15 unknown-02 Concentration Rank 6

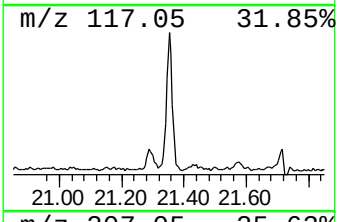
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.35	4.63 ng/ul	543146	Chrysene-d12	21.72

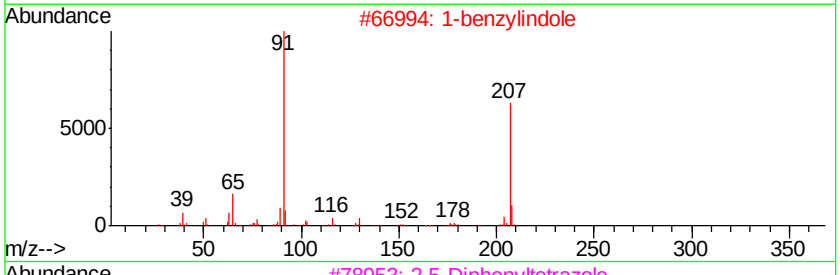
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, m-phenethyl-	207	C15H13N	034176-91-5	16
2	1-benzylindole	207	C15H13N	1000334-31-3	16
3	2,5-Diphenyltetrazole	222	C13H10N4	018039-45-7	14
4	Norgestrel	312	C21H28O2	006533-00-2	11
5	2-Propenoic acid, 3-[(phenylmeth...	194	C10H10O2S	013831-01-1	10

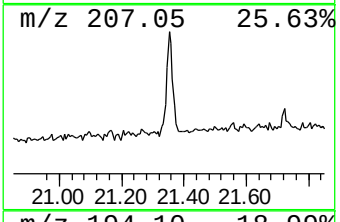


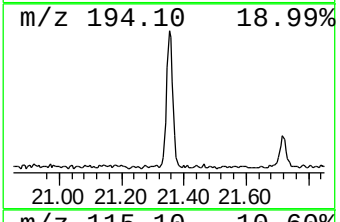


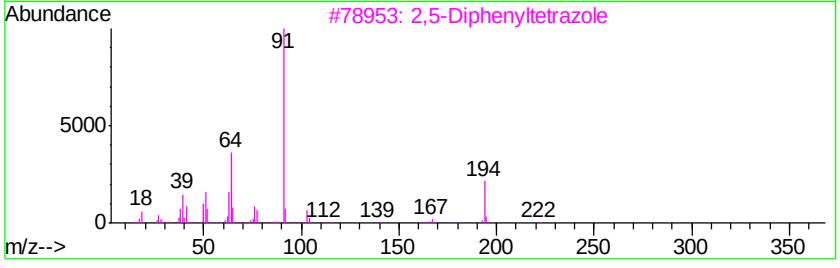


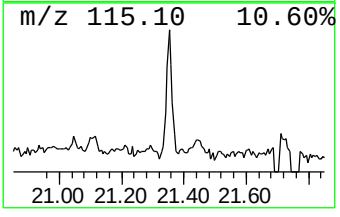












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042022.D
Acq On : 7 Aug 2019 9:13
Operator : HP/JU
Sample : K4028-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ0

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

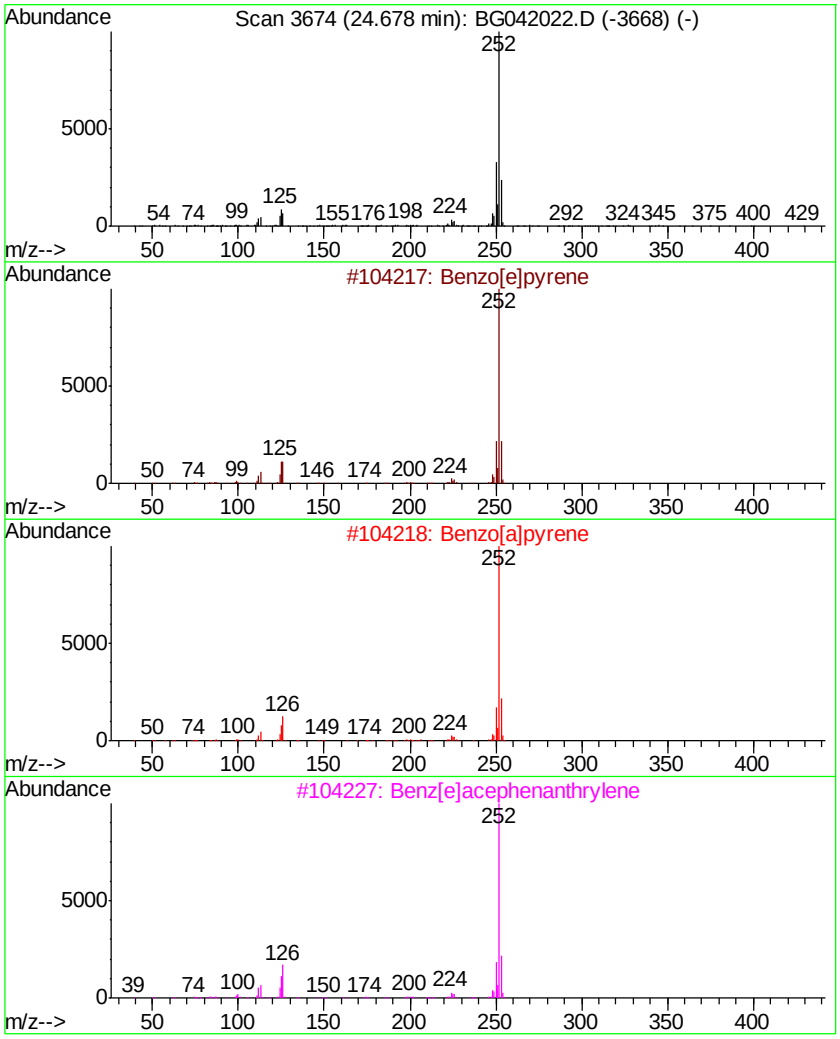
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

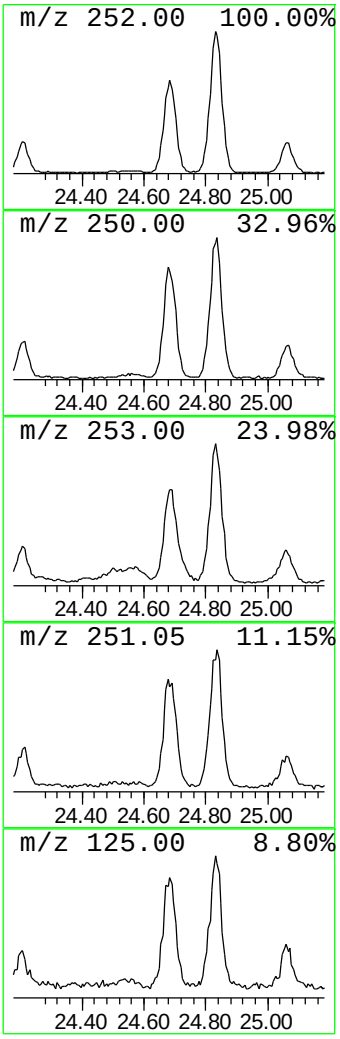
****

Peak Number 16 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.68	6.61 ng/ul	433608	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[a]pyrene	252	C20H12	000050-32-8	91
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080619\
Data File : BG042022.D
Acq On : 7 Aug 2019 9:13
Operator : HP/JU
Sample : K4028-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ0

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...	3.14	128.4	ng/ul	2329640	1	8.03	362786	20.0
1,3,5-Cycloheptat...	4.17	13.6	ng/ul	245711	1	8.03	362786	20.0
Bicyclo[4.2.0]oct...	5.99	2.8	ng/ul	51588	1	8.03	362786	20.0
Phenanthrene, 2-m...	18.33	5.4	ng/ul	310995	4	17.44	1145450	20.0
unknown-01	18.51	7.8	ng/ul	447519	4	17.44	1145450	20.0
5H-Dibenzo[a,d]cy...	18.54	3.1	ng/ul	179820	4	17.44	1145450	20.0
5,16[1',2']:8,13[...	18.81	3.2	ng/ul	183135	4	17.44	1145450	20.0
Phenanthrene, 2,5...	19.23	3.5	ng/ul	200791	4	17.44	1145450	20.0
Phenanthrene, 3,6...	19.28	3.2	ng/ul	181235	4	17.44	1145450	20.0
2,3',4,5-Tetrachl...	19.32	2.4	ng/ul	137350	4	17.44	1145450	20.0
2,3,3',5-Tetrachl...	19.36	4.3	ng/ul	248864	4	17.44	1145450	20.0
Tributyl acetylci...	20.05	4.4	ng/ul	511729	5	21.72	2343770	20.0
Pyrene, 1-methyl-	20.18	2.2	ng/ul	260243	5	21.72	2343770	20.0
11H-Benzo[a]fluorene	20.34	2.5	ng/ul	298458	5	21.72	2343770	20.0
unknown-02	21.35	4.6	ng/ul	543146	5	21.72	2343770	20.0
Benzo[e]pyrene	24.68	6.6	ng/ul	433608	6	24.99	1311150	20.0