LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101920\
Data File : BG046985.D
Acq On : 19 Oct 2020 13:40
Operator : CG/JU
Sample : L4308-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

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-BG101520MA.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	3.479	21	24	27	rBV	8320	7065	0.49%	0.040%
2	3.907	94	97	101	rBV3	4380	6156	0.43%	0.035%
3	4.007	109	114	119	rVB2	26294	34776	2.41%	0.197%
4	4.072	122	125	126	rBV2	3458	3462	0.24%	0.020%
5	4.236	150	153	159	rVB3	5838	7831	0.54%	0.044%
6	4.560	207	208	213	rBV3	1923	3471	0.24%	0.020%
7	5.159	306	310	315	rVB4	5226	7272	0.50%	0.041%
8	5.241	319	324	330	rBV4	3183	5381	0.37%	0.030%
9	6.927	607	611	614	rVB3	3132	4257	0.30%	0.024%
10	7.221	654	661	671	rBV	121588	227104	15.76%	1.286%
11	7.386	683	689	698	rVB	98234	167849	11.65%	0.950%
12	7.597	718	725	731	rBV	135316	236454	16.41%	1.339%
13	7.650	731	734	739	rVB3	12543	20462	1.42%	0.116%
14	8.067	799	805	812	rVV	174370	296305	20.56%	1.678%
15	8.126	812	815	820	rVB2	1946	3300	0.23%	0.019%
16	8.766	918	924	935	rVV2	135262	237536	16.48%	1.345%
17	8.890	942	945	949	rVB2	2994	3984	0.28%	0.023%
18	9.225	995	1002	1011	rBV	132236	240719	16.70%	1.363%
19	9.906	1112	1118	1119	rBV2	1601	3050	0.21%	0.017%
20	9.953	1119	1126	1134	rVB2	121143	213870	14.84%	1.211%
21	10.494	1209	1218	1231	rBV2	176971	319843	22.20%	1.811%
22	10.876	1276	1283	1290	rBV	239462	428853	29.76%	2.428%
23	11.011	1297	1306	1316	rBV	97295	190709	13.23%	1.080%
24	12.386	1535	1540	1547	rVB2	20297	28430	1.97%	0.161%
25	12.456	1547	1552	1553	rBV2	4493	4161	0.29%	0.024%
26	13.584	1738	1744	1749	rVB4	7558	13329	0.92%	0.075%
27	14.095	1824	1831	1835	rBV	383092	545545	37.86%	3.089%
28	14.143	1835	1839	1845	rVB	187620	268476	18.63%	1.520%
29	14.389	1875	1881	1891	rVB	381335	584477	40.56%	3.309%
30	14.695	1923	1933	1940	rBV2	423887	654008	45.39%	3.703%
31	14.759	1940	1944	1951	rVB3	14168	21633	1.50%	0.122%
32	14.877	1959	1964	1975	rBV3	71995	137733	9.56%	0.780%
33	15.094	1995	2001	2005	rBV2	6368	11234	0.78%	0.064%
34	15.318	2034	2039	2041	rBV2	2297	3557	0.25%	0.020%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101920\
Data File : BG046985.D
Acq On : 19 Oct 2020 13:40
Operator : CG/JU
Sample : L4308-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

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-BG101520MA.M
Title : SVOA CALIBRATION

35	15.488	2063	2068	2071	rBV3	1754	2882	0.20%	0.016%
36	15.688	2095	2102	2108	rBV	536715	787974	54.68%	4.461%
37	15.741	2108	2111	2115	rVV3	21135	29578	2.05%	0.167%
38	15.794	2115	2120	2129	rVB	123535	181104	12.57%	1.025%
39	15.929	2139	2143	2148	rVB6	6869	10964	0.76%	0.062%
40	15.987	2150	2153	2156	rVB3	2454	2865	0.20%	0.016%
41	16.029	2156	2160	2165	rBV3	6455	10682	0.74%	0.060%
42	16.175	2182	2185	2186	rBV2	6992	5829	0.40%	0.033%
43	16.246	2193	2197	2202	rBV4	2531	5547	0.38%	0.031%
44	16.399	2219	2223	2224	rBV2	4063	4412	0.31%	0.025%
45	16.475	2232	2236	2238	rVB3	4223	3925	0.27%	0.022%
46	16.710	2272	2276	2277	rBV3	3078	3794	0.26%	0.021%
47	16.745	2278	2282	2287	rVB5	7981	10410	0.72%	0.059%
48	16.951	2312	2317	2318	rBV2	3981	4720	0.33%	0.027%
49	16.974	2318	2321	2324	rBV4	4524	5669	0.39%	0.032%
50	17.010	2324	2327	2331	rBV3	4200	3792	0.26%	0.021%
51	17.092	2335	2341	2346	rBV3	15804	27193	1.89%	0.154%
52	17.168	2349	2354	2355	rBV3	6439	8180	0.57%	0.046%
53	17.262	2365	2370	2373	rBV2	13033	19498	1.35%	0.110%
54	17.321	2377	2380	2382	rBV3	2981	2941	0.20%	0.017%
55	17.439	2394	2400	2404	rBV	524949	797325	55.33%	4.514%
56	17.480	2404	2407	2412	rVB	329742	446927	31.01%	2.530%
57	17.539	2412	2417	2422	rBV	558349	799475	55.48%	4.527%
58	17.627	2428	2432	2437	rVB4	11400	18881	1.31%	0.107%
59	17.721	2444	2448	2451	rBV4	3484	5313	0.37%	0.030%
60	17.844	2461	2469	2472	rBV2	29237	50243	3.49%	0.284%
61	17.956	2485	2488	2492	rVB4	9934	12350	0.86%	0.070%
62	18.020	2494	2499	2503	rBV6	8785	13533	0.94%	0.077%
63	18.097	2509	2512	2517	rVB5	13076	16218	1.13%	0.092%
64	18.155	2519	2522	2527	rBV5	6246	11603	0.81%	0.066%
65	18.320	2544	2550	2554	rBV2	101686	158857	11.02%	0.899%
66	18.361	2554	2557	2565	rVV	61843	93785	6.51%	0.531%
67	18.443	2567	2571	2576	rBV4	18983	28427	1.97%	0.161%
68	18.514	2577	2583	2586	rVV3	69892	126362	8.77%	0.715%
69	18.543	2586	2588	2595	rVB2	34014	44542	3.09%	0.252%
70	18.614	2598	2600	2603	rVB4	5084	5261	0.37%	0.030%
71	18.708	2614	2616	2618	rBV3	4675	4052	0.28%	0.023%

LSC Area Percent Report

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Data File : BG046985.D
Acq On : 19 Oct 2020 13:40
Operator : CG/JU
Sample : L4308-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

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-BG101520MA.M
Title : SVOA CALIBRATION

72	18.808	2629	2633	2636	rBV	42270	55581	3.86%	0.315%
73	18.849	2636	2640	2646	rVB2	66567	98000	6.80%	0.555%
74	19.054	2672	2675	2680	rBV4	13535	19321	1.34%	0.109%
75	19.143	2687	2690	2695	rVB3	10693	12285	0.85%	0.070%
76	19.225	2700	2704	2709	rBV3	31662	57535	3.99%	0.326%
77	19.366	2723	2728	2736	rVB3	32670	68059	4.72%	0.385%
78	19.489	2743	2749	2755	rVB	830665	1172214	81.35%	6.637%
79	19.589	2762	2766	2771	rBV3	33629	46169	3.20%	0.261%
80	19.677	2778	2781	2784	rBV3	14782	20148	1.40%	0.114%
81	19.824	2799	2806	2808	rBV2	745909	1196785	83.05%	6.776%
82	19.848	2808	2810	2817	rVV	608602	800427	55.55%	4.532%
83	19.924	2818	2823	2826	rVB2	34406	54867	3.81%	0.311%
84	20.024	2836	2840	2846	rBV	38783	58116	4.03%	0.329%
85	20.165	2859	2864	2865	rBV2	45122	61305	4.25%	0.347%
86	20.341	2884	2894	2898	rVB	116392	225264	15.63%	1.275%
87	20.435	2906	2910	2914	rBV	80438	113556	7.88%	0.643%
88	20.535	2924	2927	2931	rVB2	26222	33323	2.31%	0.189%
89	20.682	2949	2952	2955	rBV4	25440	29211	2.03%	0.165%
90	21.099	3020	3023	3030	rVB	69521	96579	6.70%	0.547%
91	21.334	3060	3063	3066	rBV2	35205	64700	4.49%	0.366%
92	21.434	3076	3080	3087	rVB3	71368	124756	8.66%	0.706%
93	21.704	3118	3126	3131	rBV3	575471	1441003	100.00%	8.159%
94	21.757	3131	3135	3143	rVB	330951	552523	38.34%	3.128%
95	21.910	3156	3161	3166	rBV3	55496	94889	6.58%	0.537%
96	22.515	3260	3264	3271	rVB6	55989	103171	7.16%	0.584%
97	23.919	3495	3503	3510	rBV2	233465	747773	51.89%	4.234%
98	24.642	3621	3626	3632	rBV3	93227	224234	15.56%	1.270%
99	24.730	3634	3641	3647	rVV	243009	592127	41.09%	3.353%
100	24.953	3670	3679	3687	rBV	280520	790673	54.87%	4.477%

Sum of corrected areas: 17661999

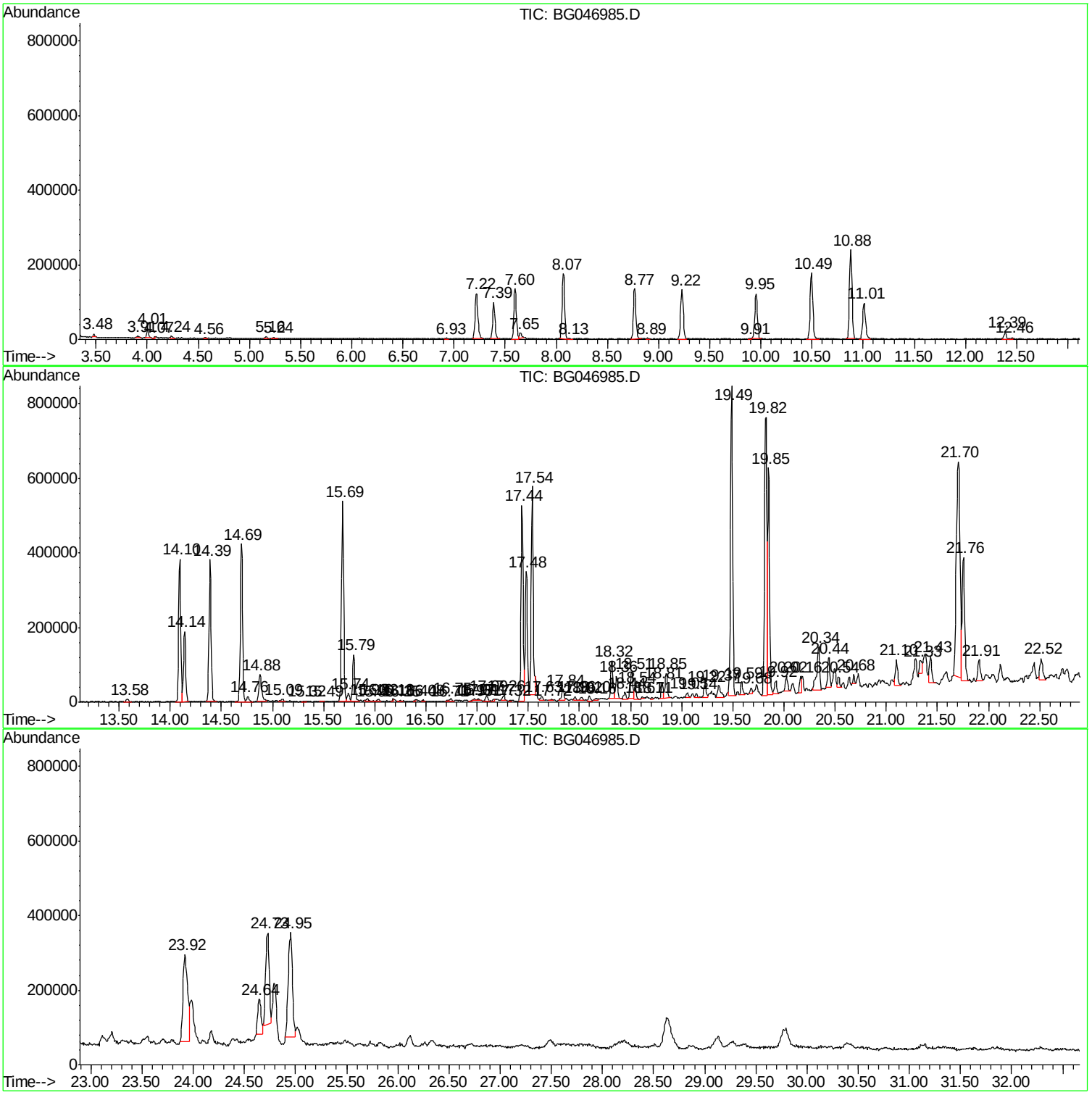
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101920\
Data File : BG046985.D
Acq On : 19 Oct 2020 13:40
Operator : CG/JU
Sample : L4308-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.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\BG101920\
Data File : BG046985.D
Acq On : 19 Oct 2020 13:40
Operator : CG/JU
Sample : L4308-01
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Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

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

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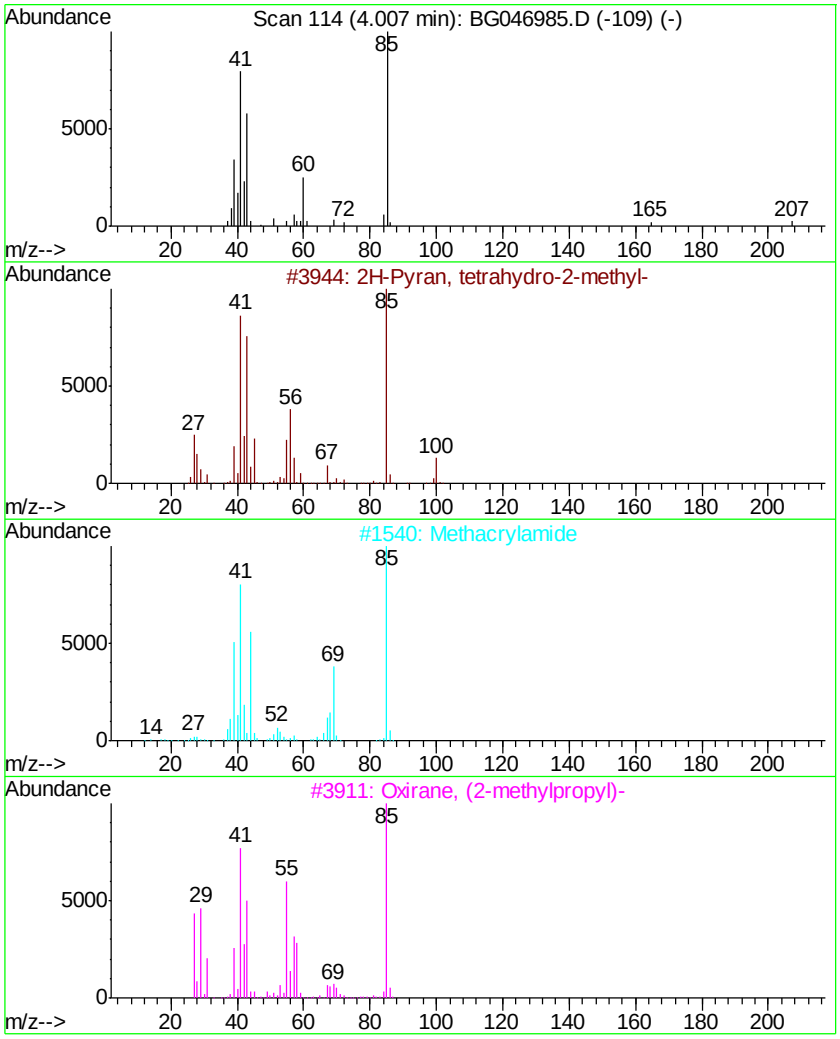
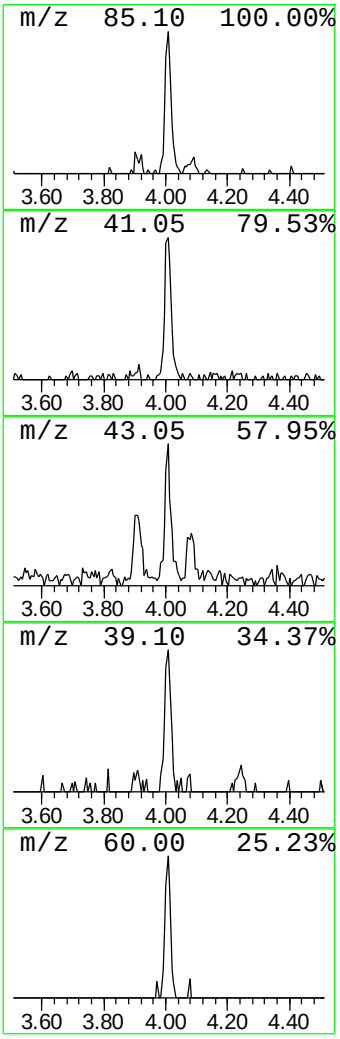
Peak Number 1 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.01	2.35 ng/ul	34776	1,4-Dichlorobenzene-d4	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	38
2	Methacrylamide	85	C4H7NO	000079-39-0	36
3	Oxirane, (2-methylpropyl)-	100	C6H12O	023850-78-4	9
4	Sulfurous acid, butyl isohexyl e...	222	C10H22O3S	1000309-17-2	9
5	2-Propenoic acid, 2-methyl-, 2-p...	126	C7H10O2	000096-05-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101920\
Data File : BG046985.D
Acq On : 19 Oct 2020 13:40
Operator : CG/JU
Sample : L4308-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

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

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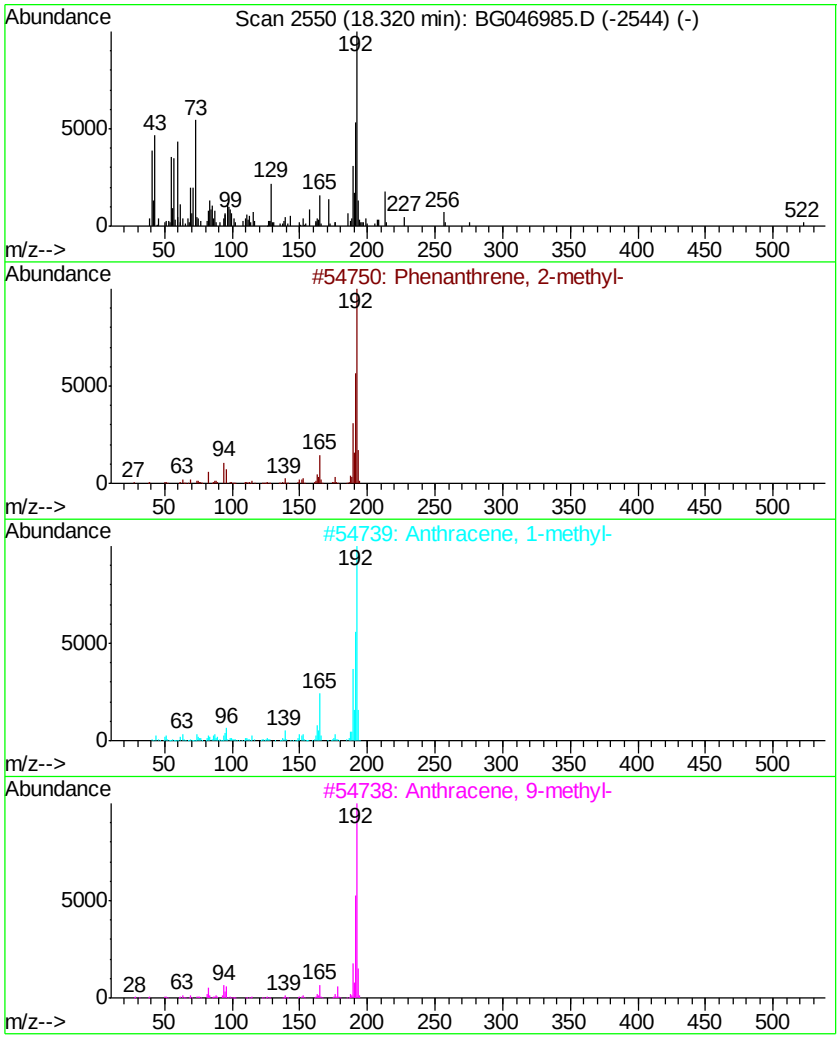
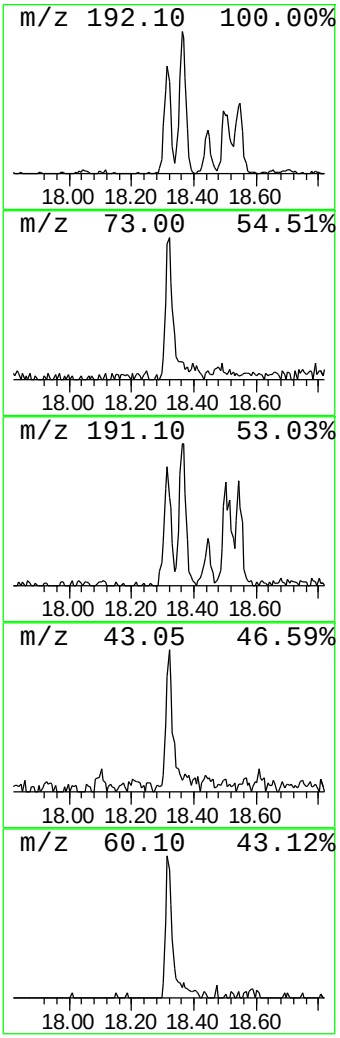
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	3.98 ng/ul	158857	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101920\
Data File : BG046985.D
Acq On : 19 Oct 2020 13:40
Operator : CG/JU
Sample : L4308-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

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

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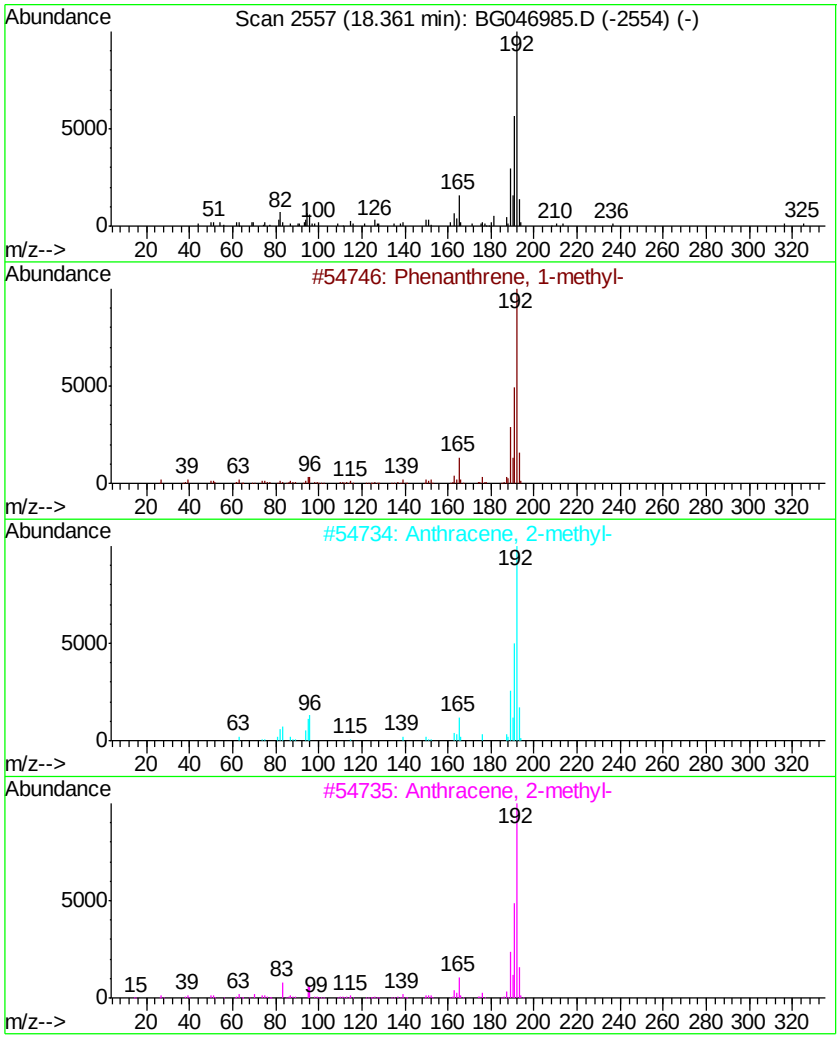
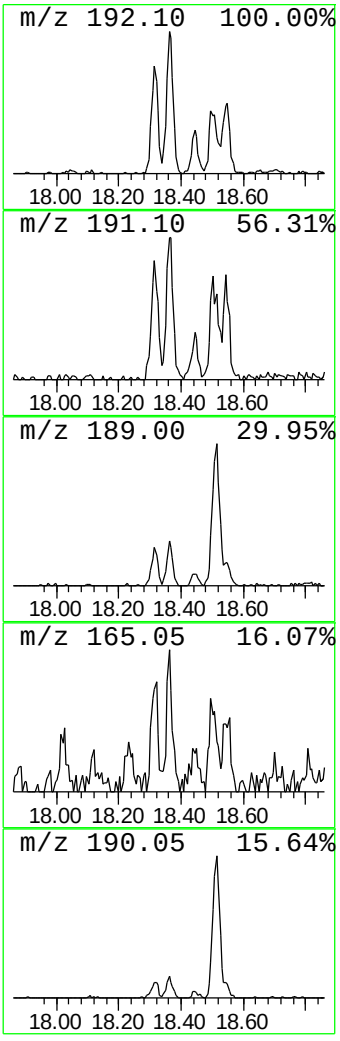
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	2.35 ng/ul	93785	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101920\
Data File : BG046985.D
Acq On : 19 Oct 2020 13:40
Operator : CG/JU
Sample : L4308-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

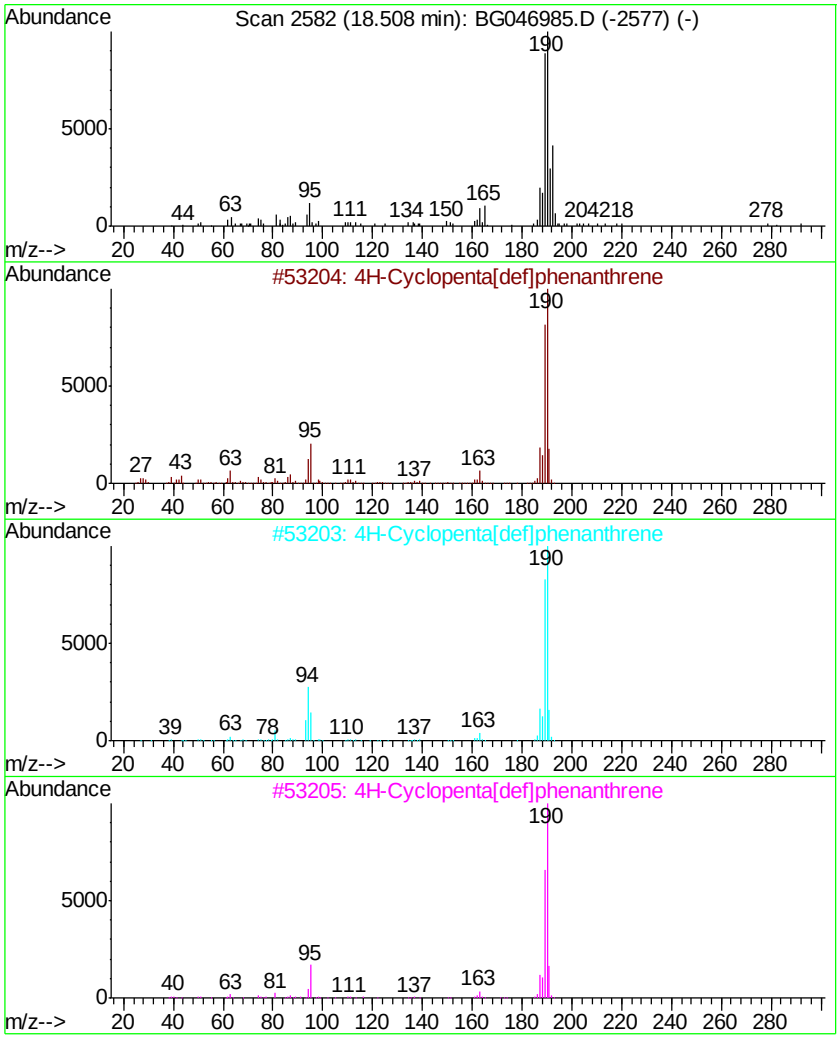
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

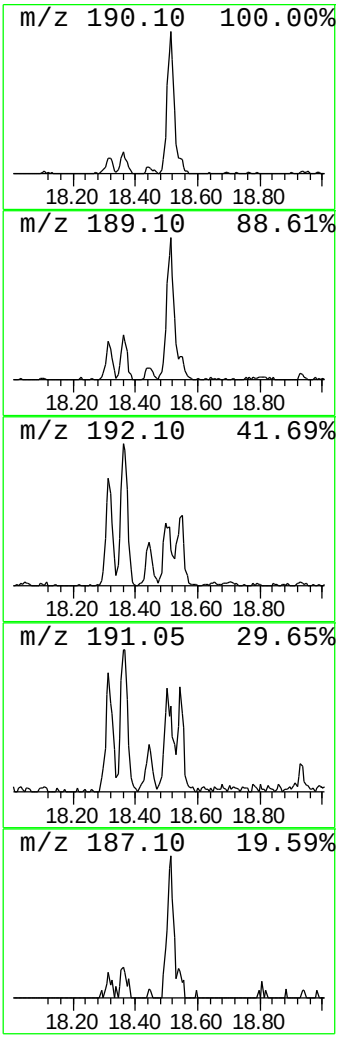
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	3.17 ng/ul	126362	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101920\
Data File : BG046985.D
Acq On : 19 Oct 2020 13:40
Operator : CG/JU
Sample : L4308-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

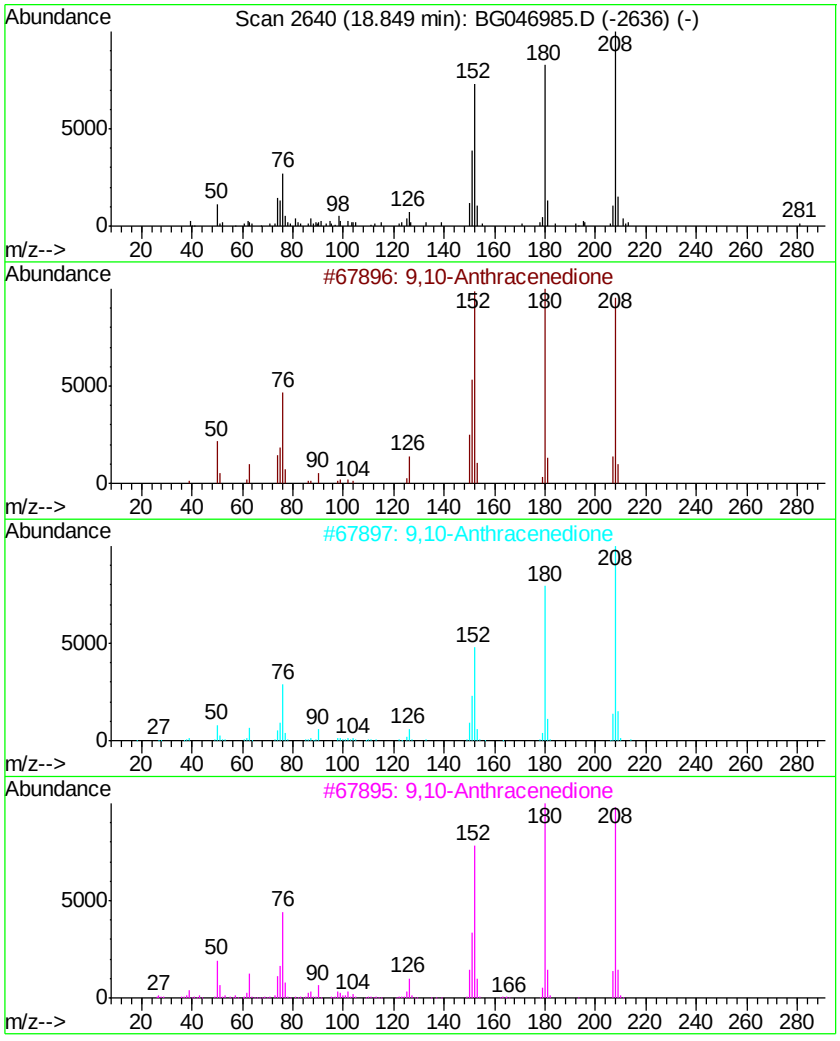
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

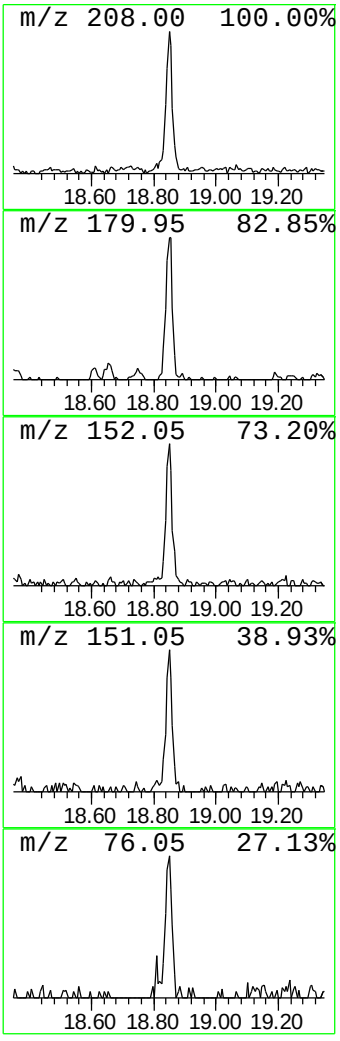
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.46 ng/ul	98000	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101920\
Data File : BG046985.D
Acq On : 19 Oct 2020 13:40
Operator : CG/JU
Sample : L4308-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

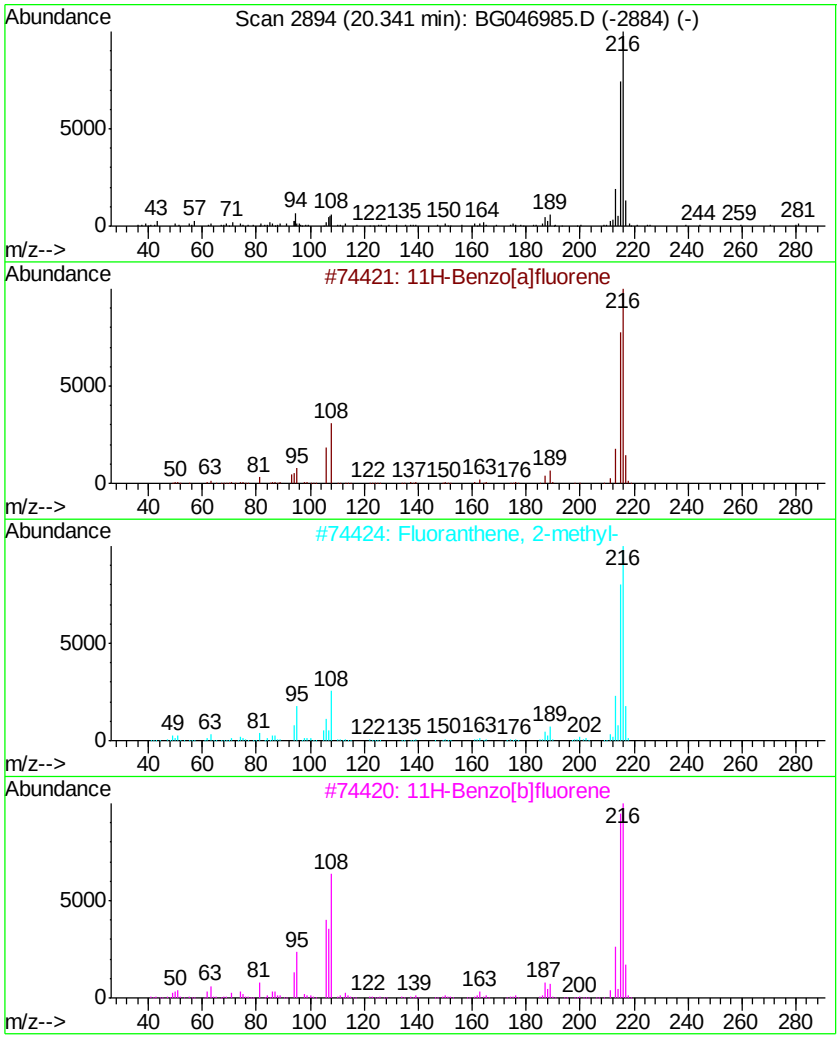
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

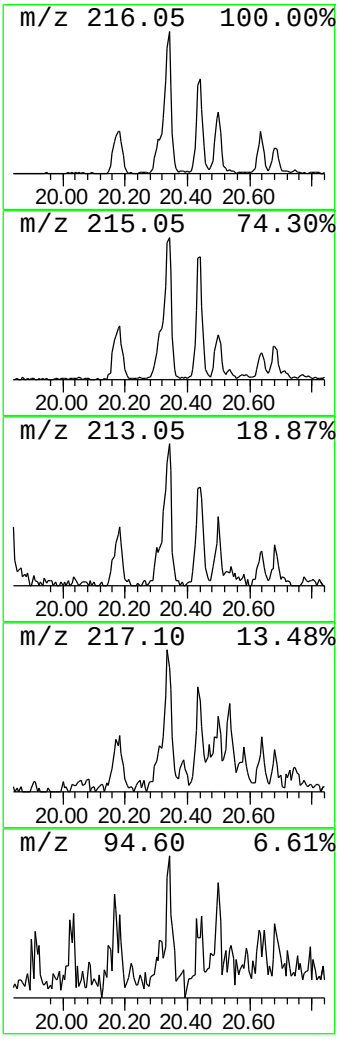
****

Peak Number 6 11H-Benzo[a]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	3.13 ng/ul	225264	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101920\
Data File : BG046985.D
Acq On : 19 Oct 2020 13:40
Operator : CG/JU
Sample : L4308-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION

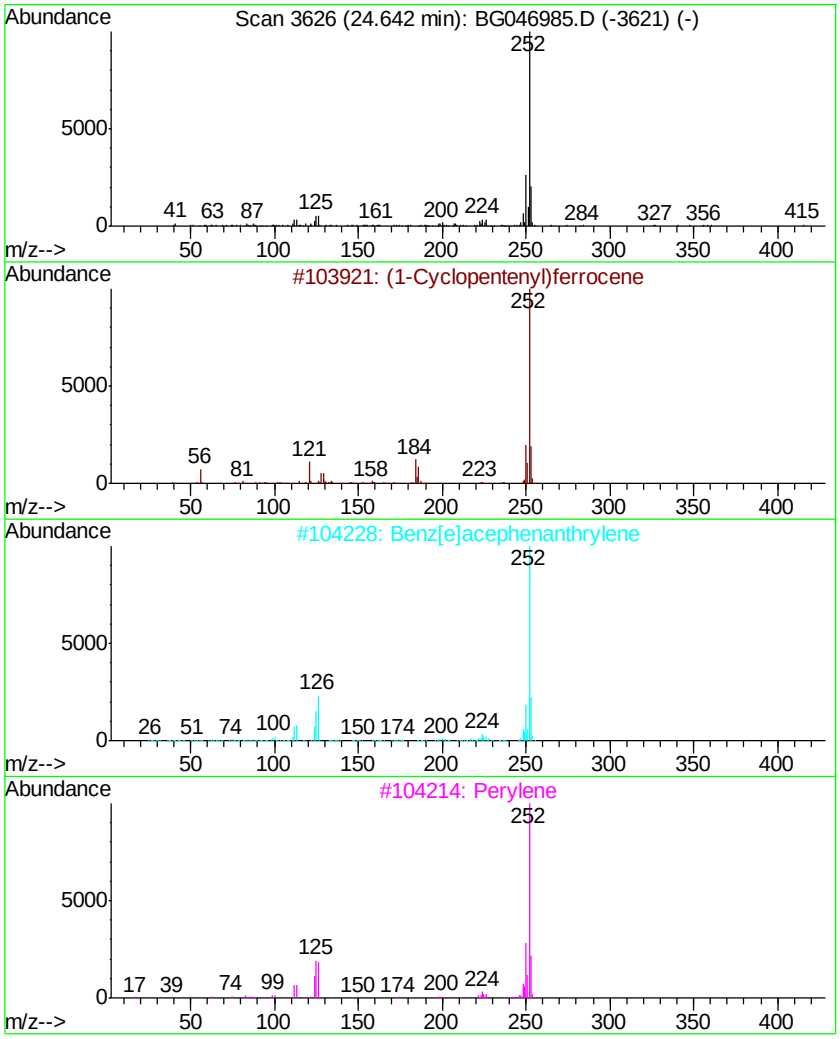
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

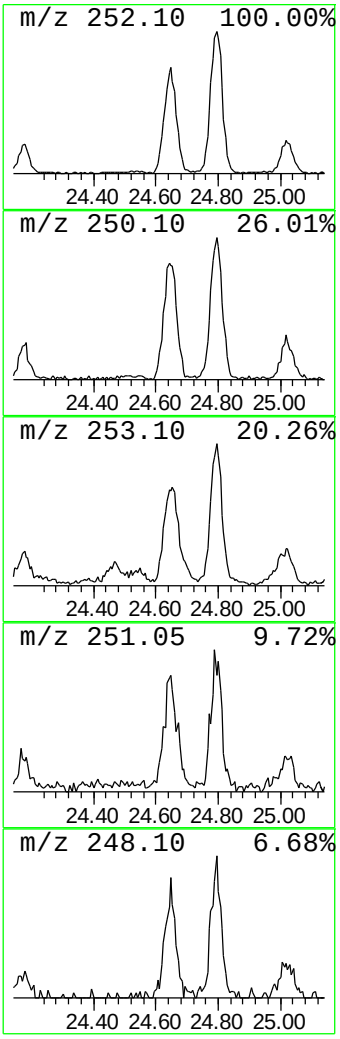
****

Peak Number 7 (1-Cyclopentenyl)ferrocene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.64	5.67 ng/ul	224234	Perylene-d12	24.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	86
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
3	Perylene	252	C20H12	000198-55-0	81
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
5	Benzo[e]pyrene	252	C20H12	000192-97-2	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101920\
Data File : BG046985.D
Acq On : 19 Oct 2020 13:40
Operator : CG/JU
Sample : L4308-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.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
unknown-01	4.01	2.4	ng/ul	34776	1	8.07	296305	20.0
Phenanthrene, 2-m...	18.32	4.0	ng/ul	158857	4	17.44	797325	20.0
Phenanthrene, 1-m...	18.36	2.4	ng/ul	93785	4	17.44	797325	20.0
4H-Cyclopenta[def...	18.51	3.2	ng/ul	126362	4	17.44	797325	20.0
9,10-Anthracenedione	18.85	2.5	ng/ul	98000	4	17.44	797325	20.0
11H-Benzo[a]fluorene	20.34	3.1	ng/ul	225264	5	21.71	1441000	20.0
(1-Cyclopentenyl)...	24.64	5.7	ng/ul	224234	6	24.95	790673	20.0