LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\
Data File : BG047667.D
Acq On : 9 Dec 2020 4:18
Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

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-BG120720MA.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	3.542	30	34	37	rBV2	6583	10042	0.61%	0.061%
2	4.082	122	126	130	rBV4	8656	11554	0.71%	0.070%
3	4.546	201	205	209	rVB3	4525	5683	0.35%	0.034%
4	6.250	493	495	502	rVB3	5931	10245	0.63%	0.062%
5	7.355	674	683	692	rBV	197042	373984	22.83%	2.262%
6	7.525	706	712	720	rBV	110738	195139	11.91%	1.180%
7	7.743	740	749	755	rBV	195674	355736	21.71%	2.152%
8	8.213	823	829	837	rBV2	95738	172600	10.53%	1.044%
9	8.912	940	948	958	rBV2	213374	372854	22.76%	2.256%
10	9.041	964	970	977	rBV4	10418	18610	1.14%	0.113%
11	9.382	1020	1028	1034	rBV	190419	343041	20.94%	2.075%
12	9.447	1034	1039	1043	rVB2	26484	39610	2.42%	0.240%
13	10.110	1143	1152	1162	rVB2	194994	348404	21.26%	2.108%
14	10.651	1236	1244	1254	rBV2	261134	477267	29.13%	2.887%
15	11.039	1303	1310	1317	rBV	115814	220859	13.48%	1.336%
16	11.168	1324	1332	1339	rBV	172854	328023	20.02%	1.984%
17	12.431	1543	1547	1552	rVB	2144	3993	0.24%	0.024%
18	12.608	1572	1577	1581	rBV	5971	8663	0.53%	0.052%
19	12.684	1588	1590	1595	rVB	3334	4165	0.25%	0.025%
20	12.901	1622	1627	1632	rBV	4009	6148	0.38%	0.037%
21	13.442	1714	1719	1726	rVB2	3228	5054	0.31%	0.031%
22	14.006	1810	1815	1818	rBV2	2714	4393	0.27%	0.027%
23	14.229	1846	1853	1857	rBV	473455	700686	42.77%	4.239%
24	14.270	1857	1860	1866	rVB	47124	68235	4.16%	0.413%
25	14.535	1897	1905	1912	rBV	477219	749551	45.75%	4.534%
26	14.676	1925	1929	1934	rBV3	19261	24928	1.52%	0.151%
27	14.834	1946	1956	1962	rBV	205191	318187	19.42%	1.925%
28	14.899	1962	1967	1972	rVB2	22005	36316	2.22%	0.220%
29	15.005	1979	1985	1995	rBV	243482	404102	24.66%	2.445%
30	15.158	2007	2011	2013	rVB3	4419	3981	0.24%	0.024%
31	15.228	2018	2023	2027	rBV2	18270	27362	1.67%	0.166%
32	15.821	2115	2124	2130	rBV	606947	940722	57.42%	5.691%
33	15.874	2130	2133	2137	rVV2	23921	32856	2.01%	0.199%
34	15.927	2137	2142	2152	rVB	260564	375464	22.92%	2.271%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\
Data File : BG047667.D
Acq On : 9 Dec 2020 4:18
Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

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-BG120720MA.M
Title : SVOA CALIBRATION

35	16.062	2159	2165	2168	rVB6	8684	15035	0.92%	0.091%
36	16.162	2179	2182	2186	rBV2	8190	8688	0.53%	0.053%
37	16.321	2202	2209	2216	rVB3	8632	19857	1.21%	0.120%
38	16.521	2239	2243	2246	rBV3	2771	5774	0.35%	0.035%
39	16.609	2253	2258	2259	rVB2	3795	4825	0.29%	0.029%
40	16.844	2295	2298	2299	rVV2	4498	4847	0.30%	0.029%
41	16.873	2299	2303	2307	rVV4	6381	11400	0.70%	0.069%
42	16.926	2309	2312	2316	rVB	3776	5024	0.31%	0.030%
43	17.102	2336	2342	2345	rBV4	8762	12926	0.79%	0.078%
44	17.138	2345	2348	2352	rVB3	4543	6558	0.40%	0.040%
45	17.220	2357	2362	2369	rBV2	21081	35013	2.14%	0.212%
46	17.290	2371	2374	2375	rBV	5034	4046	0.25%	0.024%
47	17.396	2386	2392	2397	rVB2	15001	22848	1.39%	0.138%
48	17.572	2416	2422	2425	rBV	276205	420860	25.69%	2.546%
49	17.613	2425	2429	2434	rVV	322731	499033	30.46%	3.019%
50	17.672	2434	2439	2449	rVB2	672880	1105052	67.45%	6.685%
51	17.843	2464	2468	2469	rBV	3275	4413	0.27%	0.027%
52	17.901	2475	2478	2480	rBV2	4963	4717	0.29%	0.029%
53	17.966	2480	2489	2494	rBV2	24457	47263	2.88%	0.286%
54	18.089	2506	2510	2513	rVB2	6785	9208	0.56%	0.056%
55	18.148	2517	2520	2525	rBV2	6696	8084	0.49%	0.049%
56	18.283	2539	2543	2546	rBV2	4614	6737	0.41%	0.041%
57	18.442	2565	2570	2574	rBV2	34806	52318	3.19%	0.316%
58	18.489	2574	2578	2586	rVB	53884	80185	4.89%	0.485%
59	18.565	2588	2591	2596	rVB3	10199	12980	0.79%	0.079%
60	18.636	2597	2603	2607	rBV3	47364	95164	5.81%	0.576%
61	18.736	2616	2620	2624	rBV6	4048	6100	0.37%	0.037%
62	18.777	2624	2627	2630	rBV3	5711	7334	0.45%	0.044%
63	18.930	2648	2653	2656	rBV	34121	55053	3.36%	0.333%
64	18.971	2656	2660	2665	rVV2	76009	107452	6.56%	0.650%
65	19.012	2665	2667	2672	rVB5	7500	7544	0.46%	0.046%
66	19.053	2672	2674	2678	rBV3	5615	7028	0.43%	0.043%
67	19.170	2691	2694	2699	rVB5	9455	13744	0.84%	0.083%
68	19.223	2700	2703	2707	rVV3	7798	10723	0.65%	0.065%
69	19.259	2707	2709	2712	rVB4	5425	6184	0.38%	0.037%
70	19.341	2717	2723	2729	rBV4	22339	41645	2.54%	0.252%
71	19.394	2729	2732	2733	rBV2	8536	6780	0.41%	0.041%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\
Data File : BG047667.D
Acq On : 9 Dec 2020 4:18
Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

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-BG120720MA.M
Title : SVOA CALIBRATION

72	19.488	2743	2748	2755	rVB2	36974	72037	4.40%	0.436%
73	19.605	2758	2768	2774	rVV	515072	774659	47.28%	4.686%
74	19.664	2776	2778	2781	rVV4	10048	10293	0.63%	0.062%
75	19.705	2781	2785	2788	rVB5	11276	16880	1.03%	0.102%
76	19.793	2797	2800	2804	rBV4	15658	20874	1.27%	0.126%
77	19.846	2804	2809	2813	rVV4	13917	24045	1.47%	0.145%
78	19.940	2819	2825	2829	rBV	962065	1638424	100.00%	9.911%
79	20.028	2837	2840	2846	rVB2	27239	39207	2.39%	0.237%
80	20.140	2855	2859	2864	rVB	30220	41571	2.54%	0.251%
81	20.281	2877	2883	2884	rBV3	35476	53595	3.27%	0.324%
82	20.445	2909	2911	2918	rVB	63757	90688	5.54%	0.549%
83	20.551	2925	2929	2932	rBV2	30193	37178	2.27%	0.225%
84	20.610	2932	2939	2942	rVV2	38506	73960	4.51%	0.447%
85	20.645	2942	2945	2949	rVB3	22581	31000	1.89%	0.188%
86	20.680	2949	2951	2956	rVB5	14772	24293	1.48%	0.147%
87	20.751	2959	2963	2966	rBV2	23445	34238	2.09%	0.207%
88	21.221	3039	3043	3050	rVB2	56147	90816	5.54%	0.549%
89	21.409	3068	3075	3080	rBV4	42362	100669	6.14%	0.609%
90	21.456	3080	3083	3088	rVV2	73223	109838	6.70%	0.664%
91	21.562	3098	3101	3108	rVB2	61396	101862	6.22%	0.616%
92	21.715	3123	3127	3131	rVB3	30947	50587	3.09%	0.306%
93	21.850	3140	3150	3154	rBV2	325877	871187	53.17%	5.270%
94	21.897	3155	3158	3169	rVB	202770	351493	21.45%	2.126%
95	22.055	3182	3185	3192	rVB3	27302	48365	2.95%	0.293%
96	23.007	3345	3347	3348	rBV2	12908	9936	0.61%	0.060%
97	24.141	3532	3540	3548	rBV3	133023	460444	28.10%	2.785%
98	24.905	3663	3670	3675	rBV2	56197	142566	8.70%	0.862%
99	24.987	3675	3684	3691	rBV	376848	1006694	61.44%	6.090%
100	25.216	3714	3723	3731	rBV2	155242	432373	26.39%	2.616%

Sum of corrected areas: 16530671

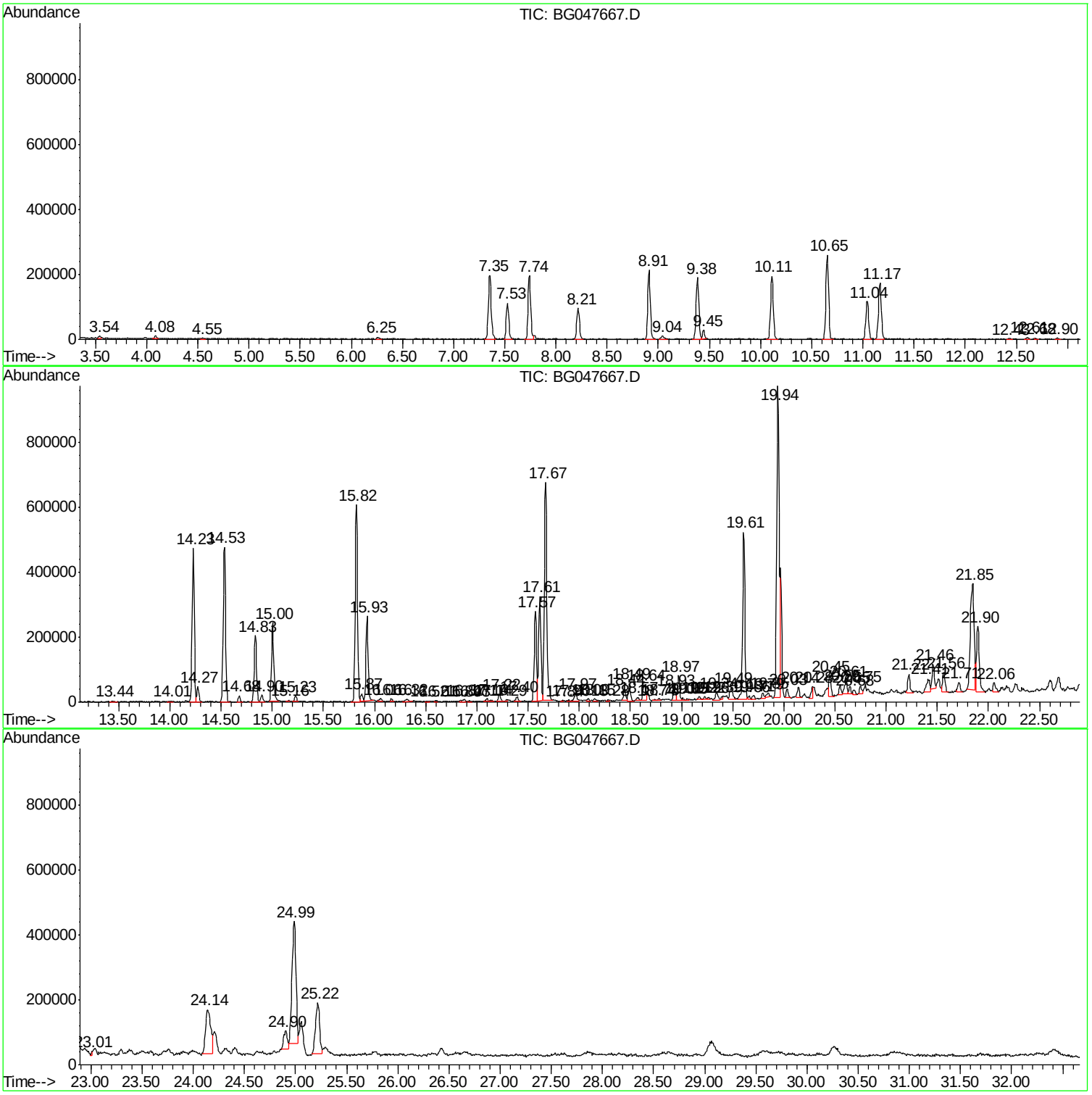
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\
Data File : BG047667.D
Acq On : 9 Dec 2020 4:18
Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.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\BG120820\
Data File : BG047667.D
Acq On : 9 Dec 2020 4:18
Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

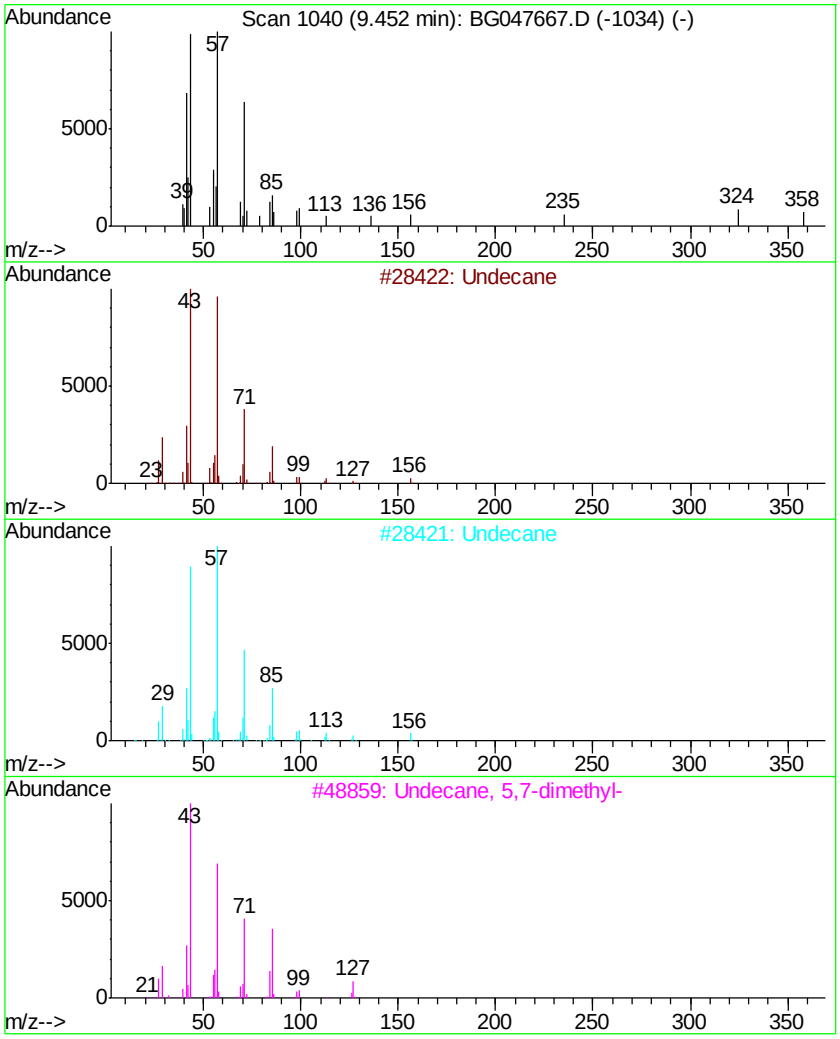
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

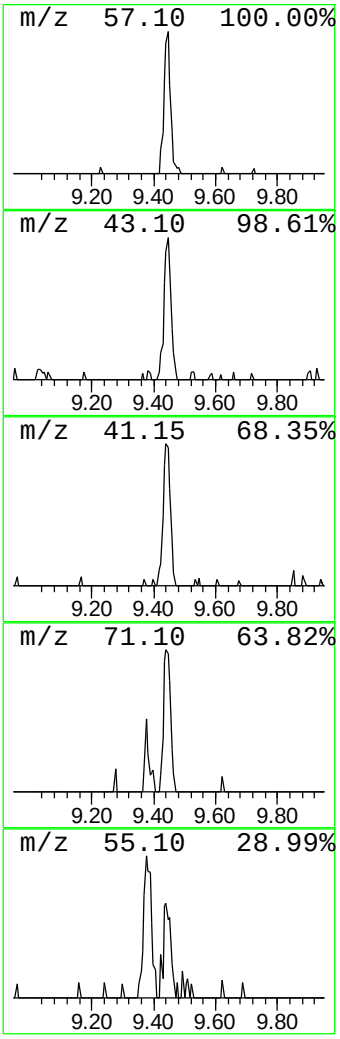
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	4.59 ng/ul	39610	1,4-Dichlorobenzene-d4	8.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	68
2	Undecane	156	C11H24	001120-21-4	52
3	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	52
4	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	50
5	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\
Data File : BG047667.D
Acq On : 9 Dec 2020 4:18
Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

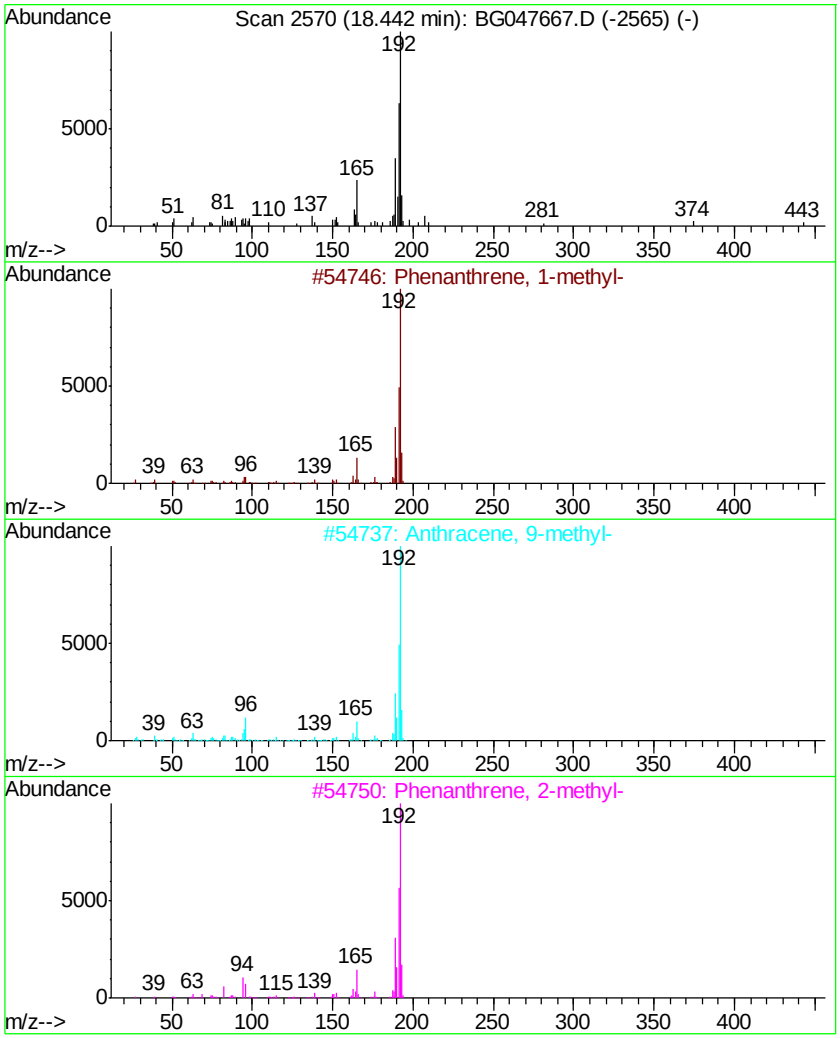
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

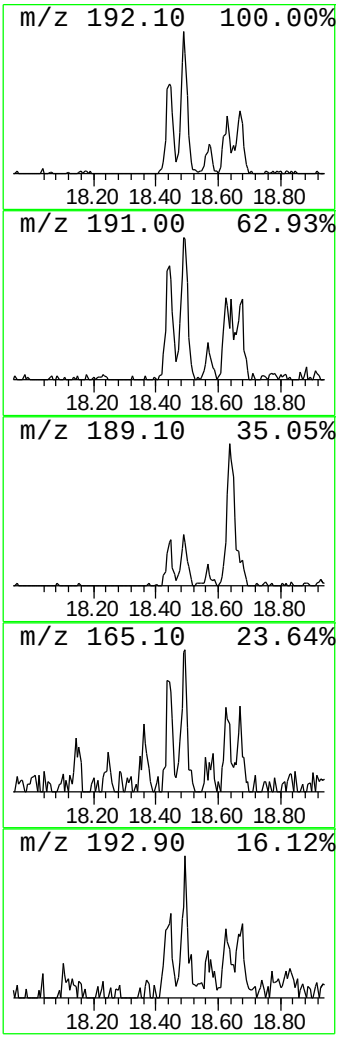
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	2.49 ng/ul	52318	Phenanthrene-d10	17.57

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\
Data File : BG047667.D
Acq On : 9 Dec 2020 4:18
Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

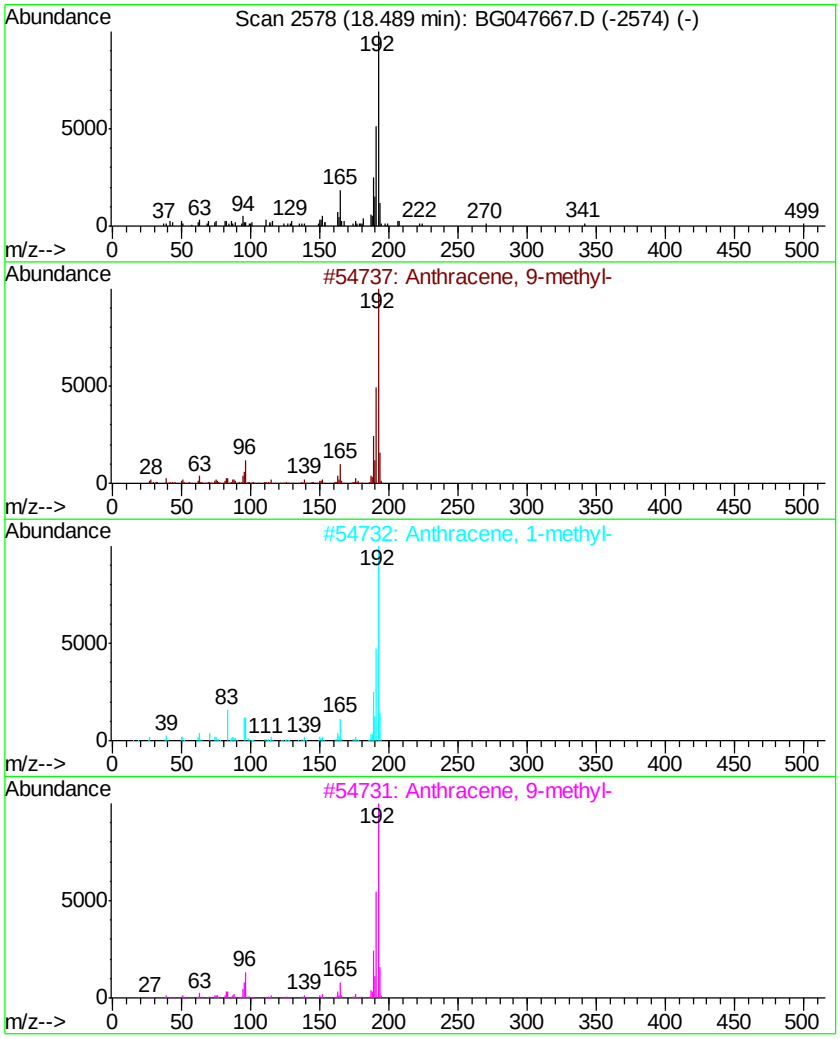
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

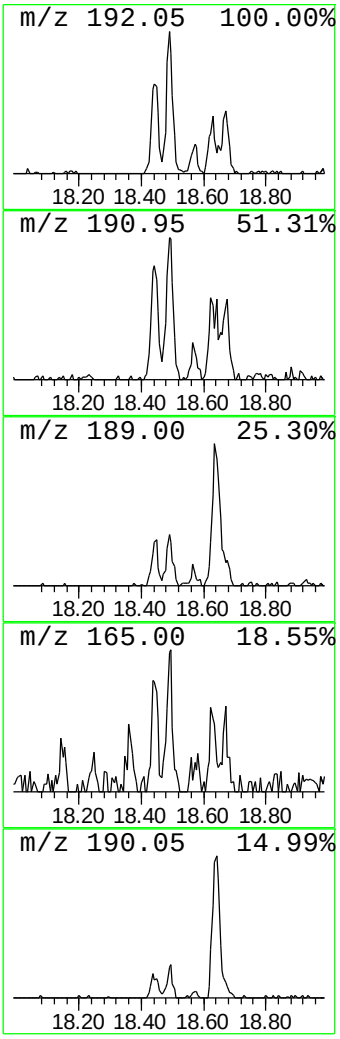
****

Peak Number 3 Anthracene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	3.81 ng/ul	80185	Phenanthrene-d10	17.57

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\
Data File : BG047667.D
Acq On : 9 Dec 2020 4:18
Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

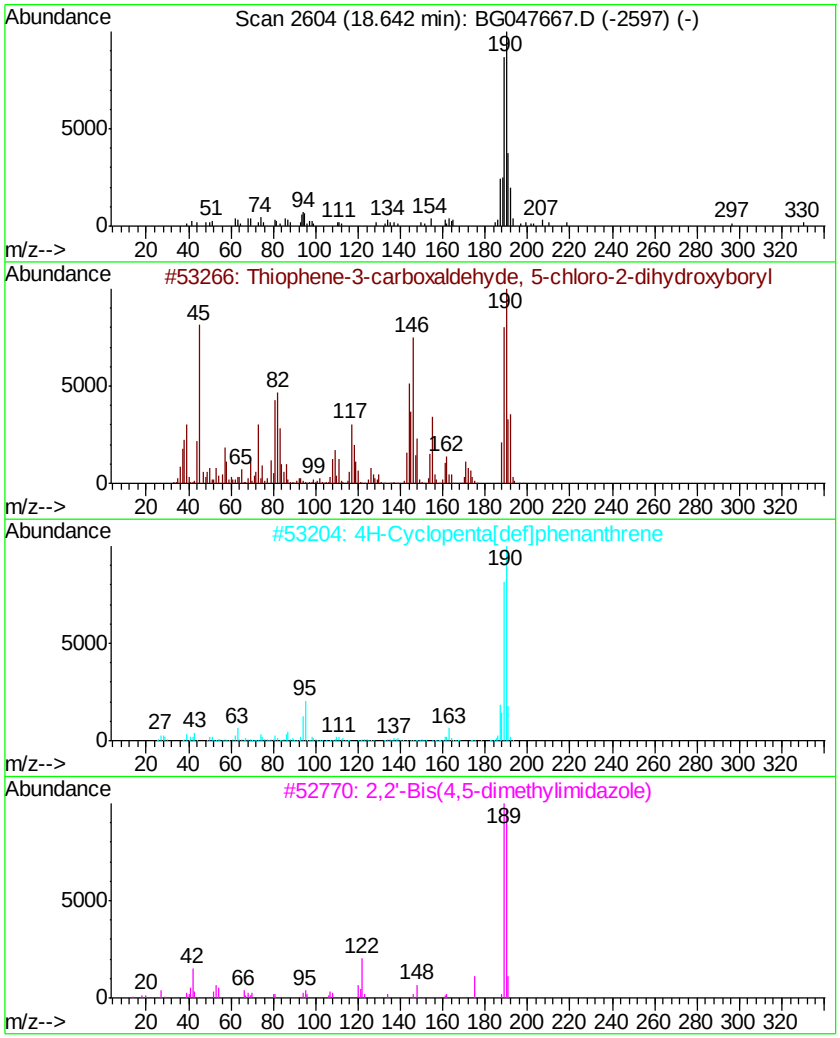
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

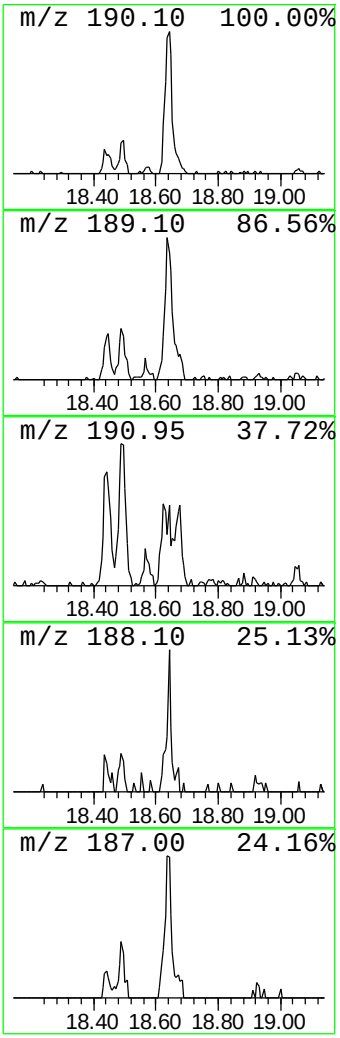
****

Peak Number 4 Thiophene-3-carboxaldehyde,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	4.52 ng/ul	95164	Phenanthrene-d10	17.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	59
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	36





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\
Data File : BG047667.D
Acq On : 9 Dec 2020 4:18
Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

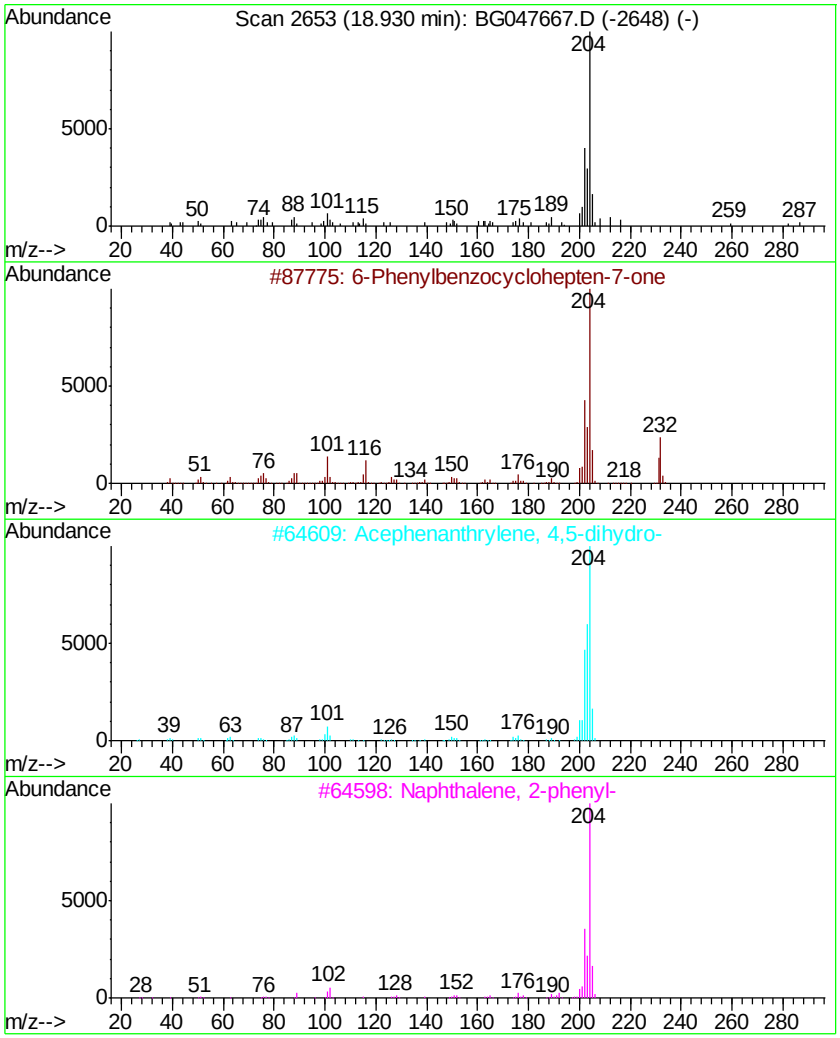
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

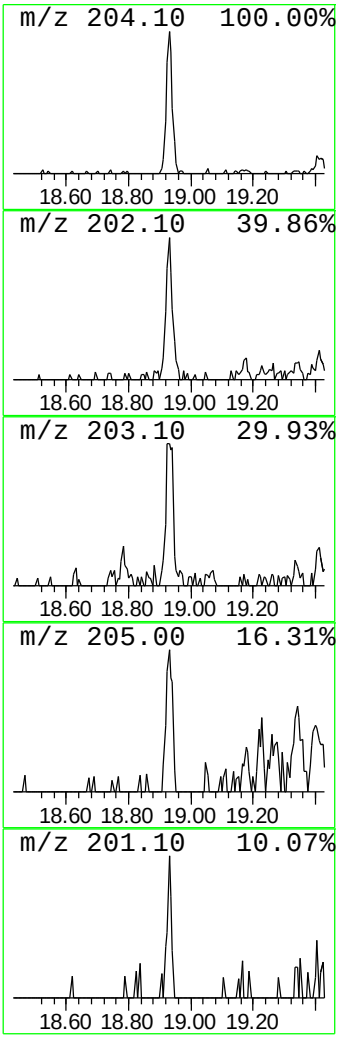
****

Peak Number 5 6-Phenylbenzocyclohepten-7-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	2.62 ng/ul	55053	Phenanthrene-d10	17.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	78
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	70
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55





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Data File : BG047667.D
Acq On : 9 Dec 2020 4:18
Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

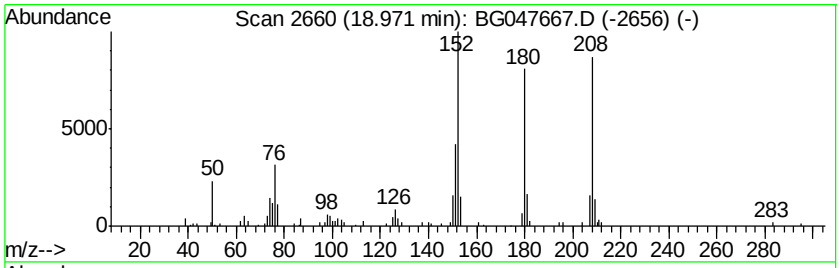
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

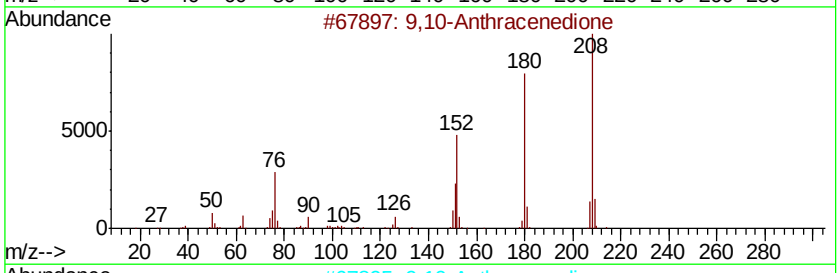
****

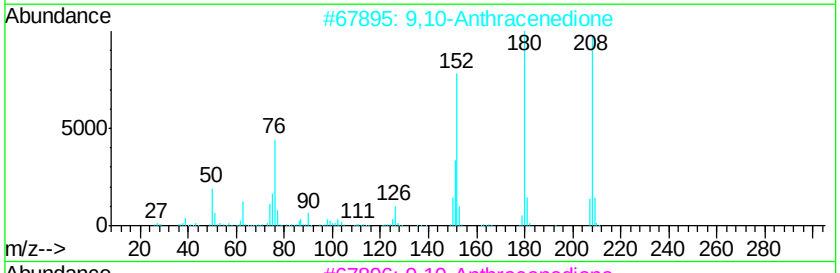
Peak Number 6 9,10-Anthracenedione Concentration Rank 2

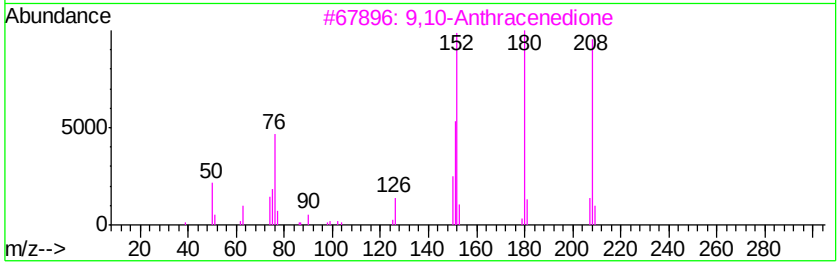
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	5.11 ng/ul	107452	Phenanthrene-d10	17.57

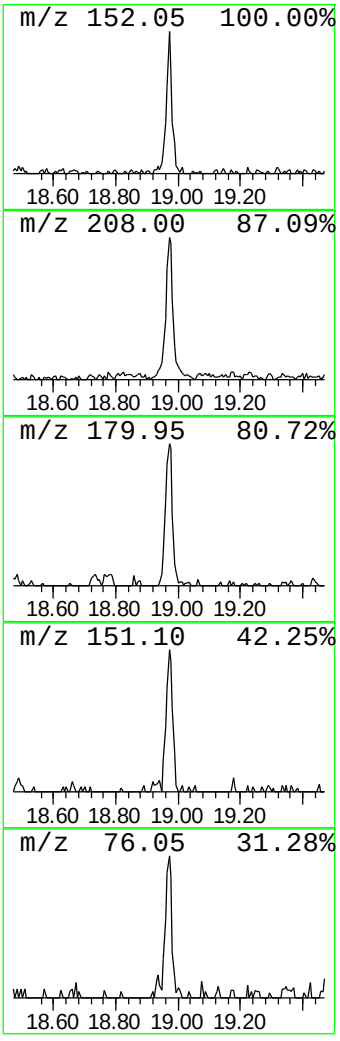
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64











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Data File : BG047667.D
Acq On : 9 Dec 2020 4:18
Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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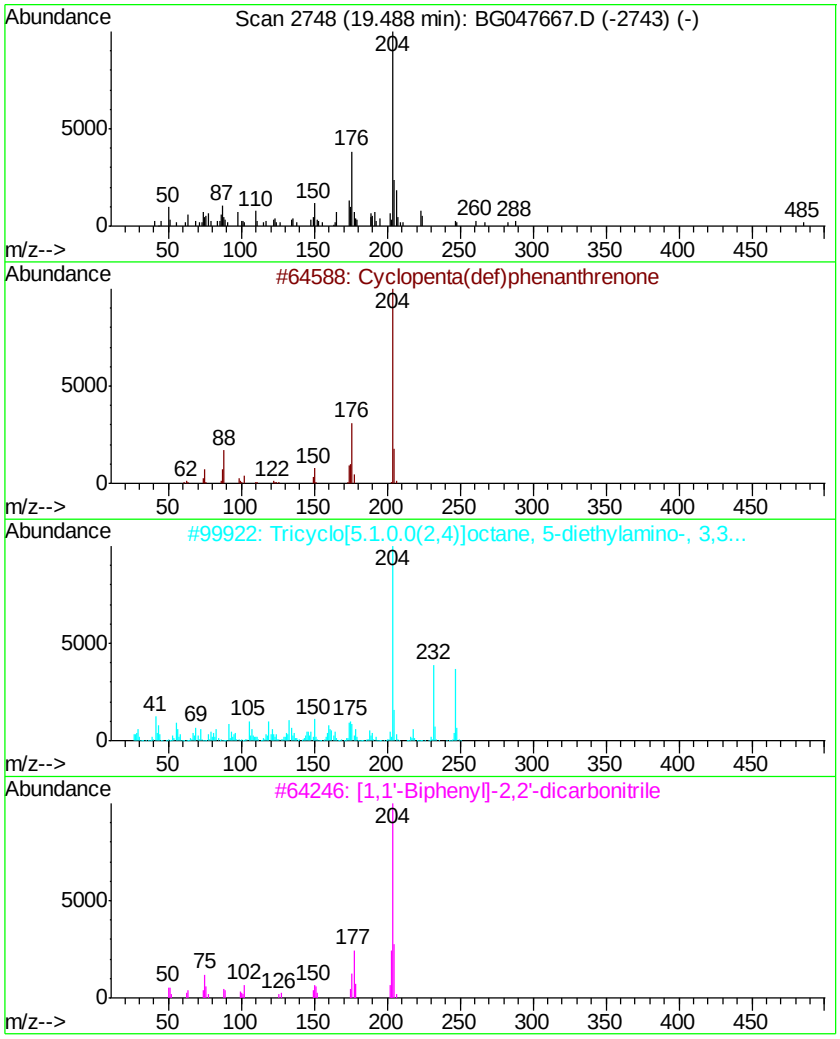
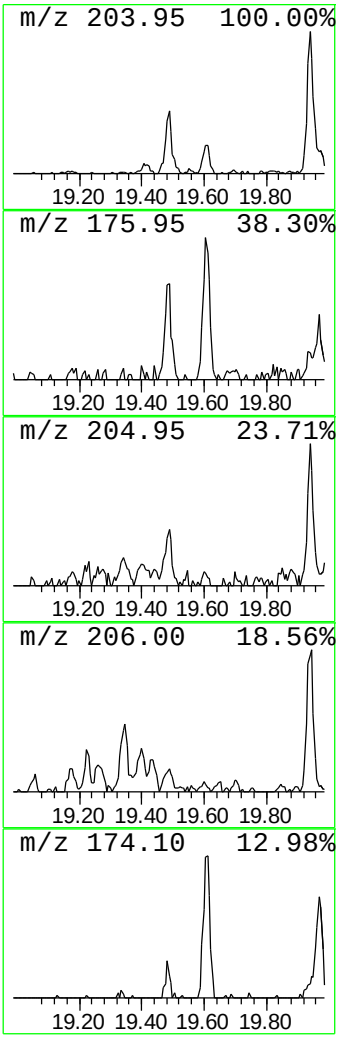
Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	3.42 ng/ul	72037	Phenanthrene-d10	17.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	40





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Data File : BG047667.D
Acq On : 9 Dec 2020 4:18
Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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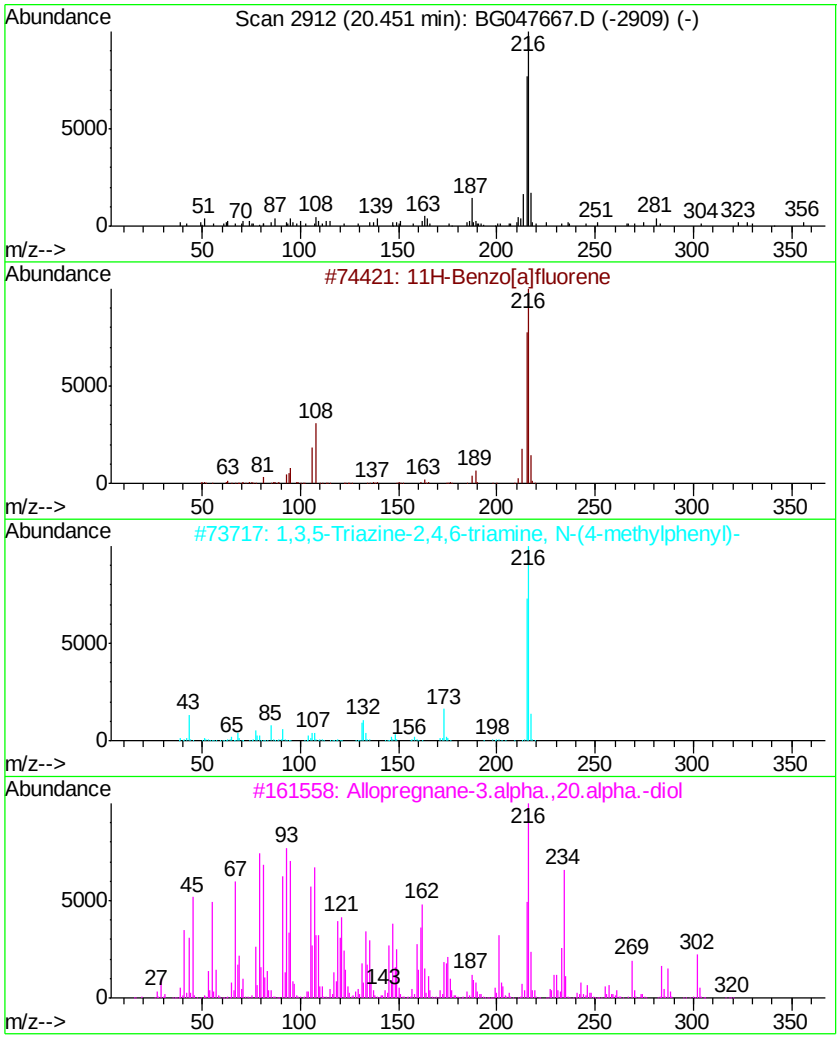
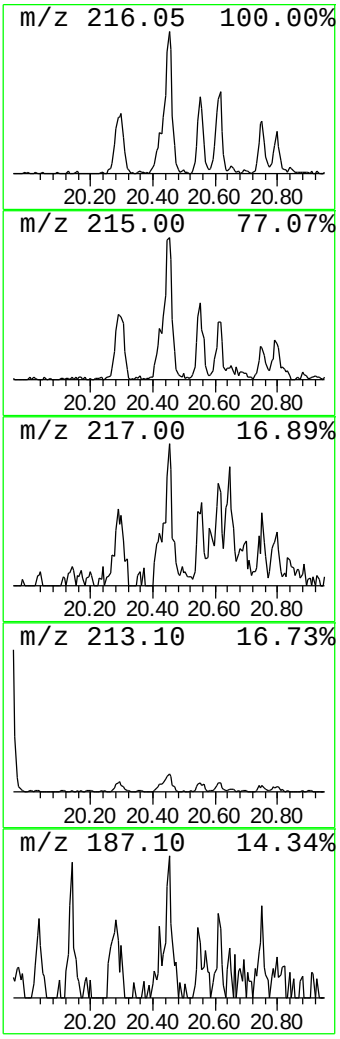
Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.45	2.08 ng/ul	90688	Chrysene-d12	21.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
2	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	72
3	Allopregnane-3.alpha.,20.alpha.-...	320	C21H36O2	000566-58-5	64
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
5	4H-Thiazolo[5,4-b]indole, 2,5,7-...	216	C12H12N2S	1000304-43-7	47





Library Search Compound Report

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Acq On : 9 Dec 2020 4:18
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Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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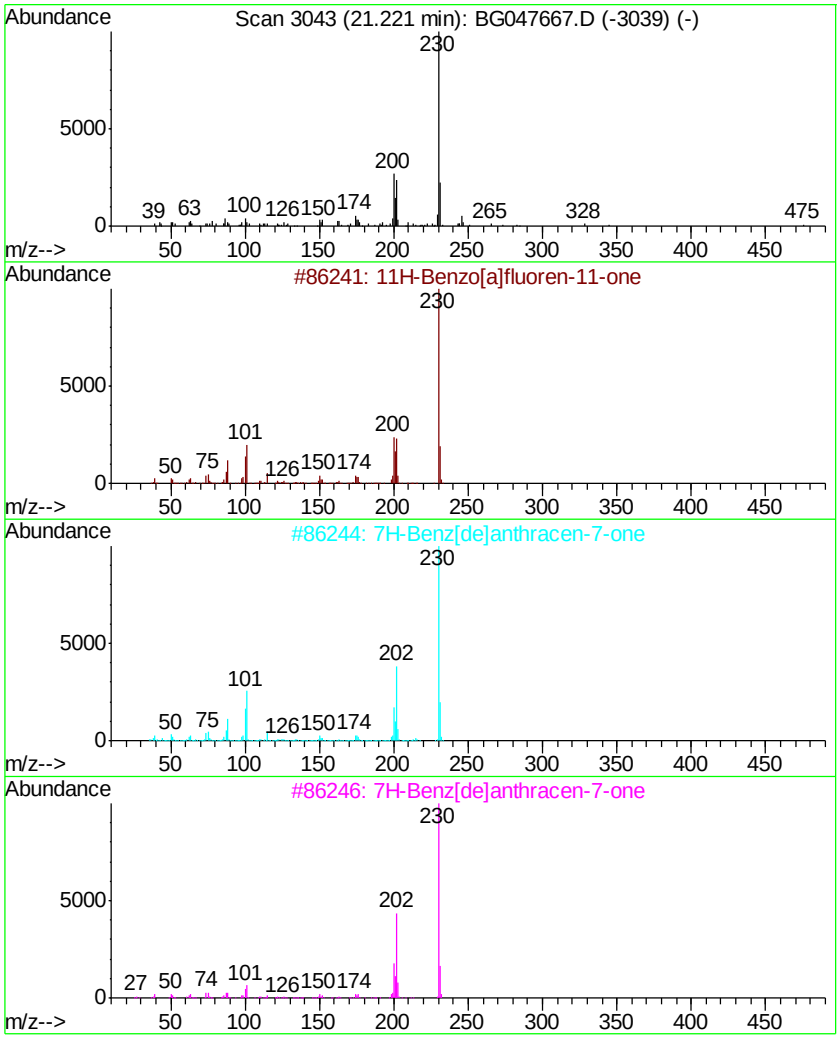
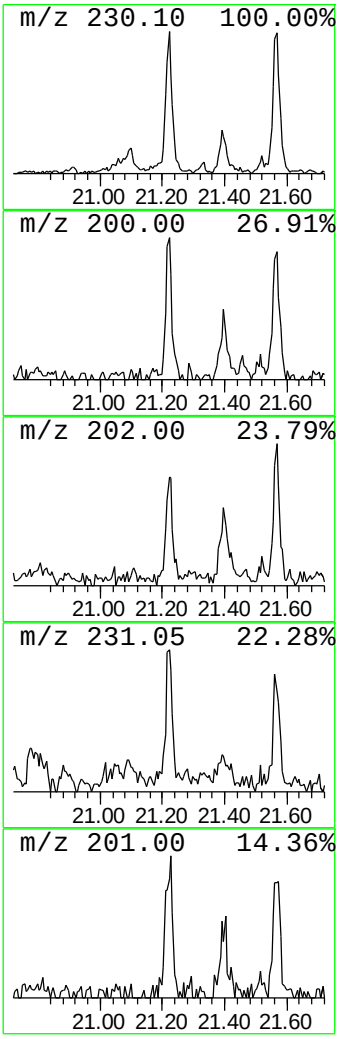
Peak Number 9 11H-Benzo[a]fluoren-11-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	2.08 ng/ul	90816	Chrysene-d12	21.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	87
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	52
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	43
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	42





Library Search Compound Report

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Data File : BG047667.D
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Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

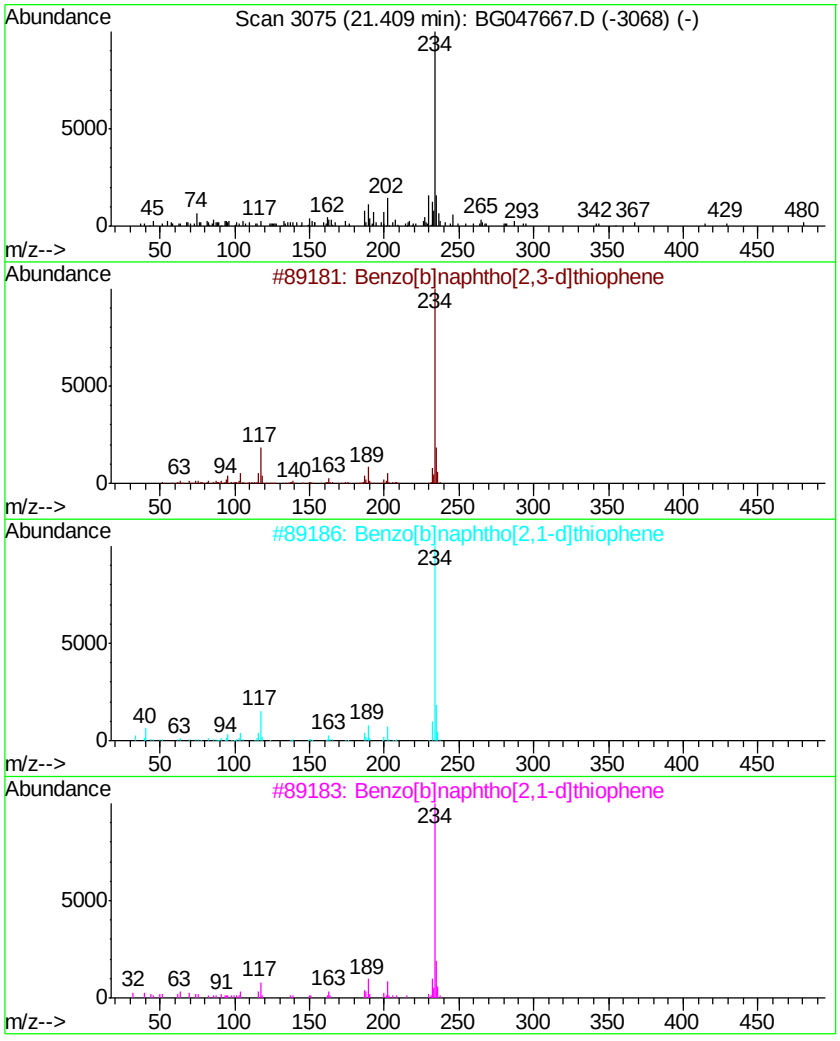
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

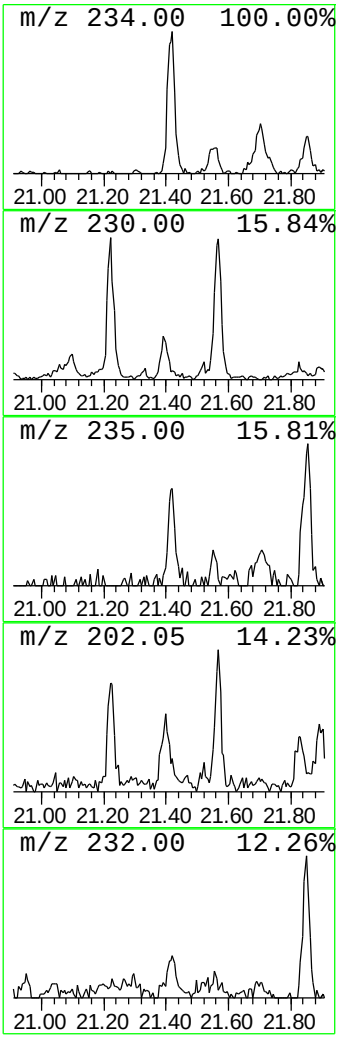
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	2.31 ng/ul	100669	Chrysene-d12	21.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	74
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	74
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	74
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	72
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	64





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Acq On : 9 Dec 2020 4:18
Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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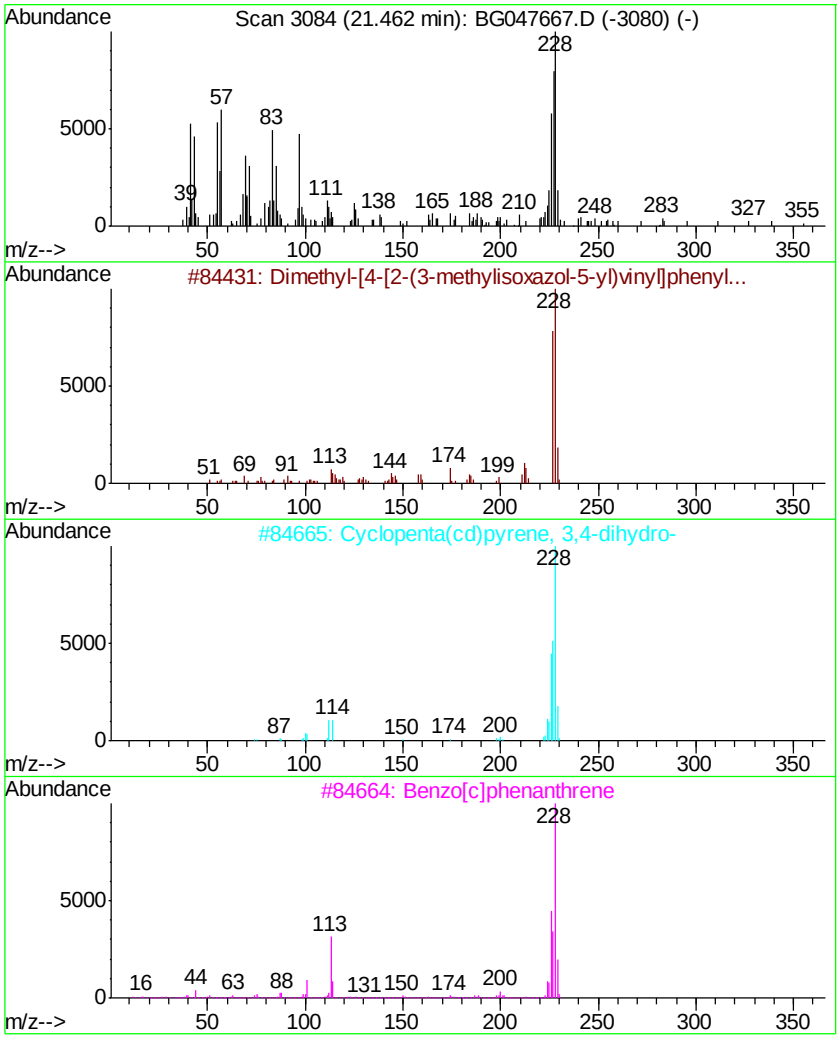
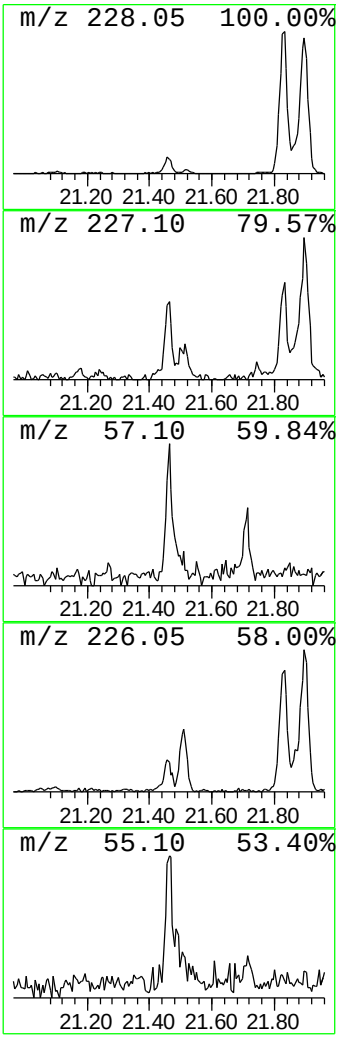
Peak Number 11 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	2.52 ng/ul	109838	Chrysene-d12	21.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	46
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
4	Thiazolo[5,4-f]quinoline, 2,7,9-...	228	C13H12N2S	038463-47-7	35
5	3,6-Phenanthrenedicarbonitrile	228	C16H8N2	018930-78-4	30





Library Search Compound Report

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Acq On : 9 Dec 2020 4:18
Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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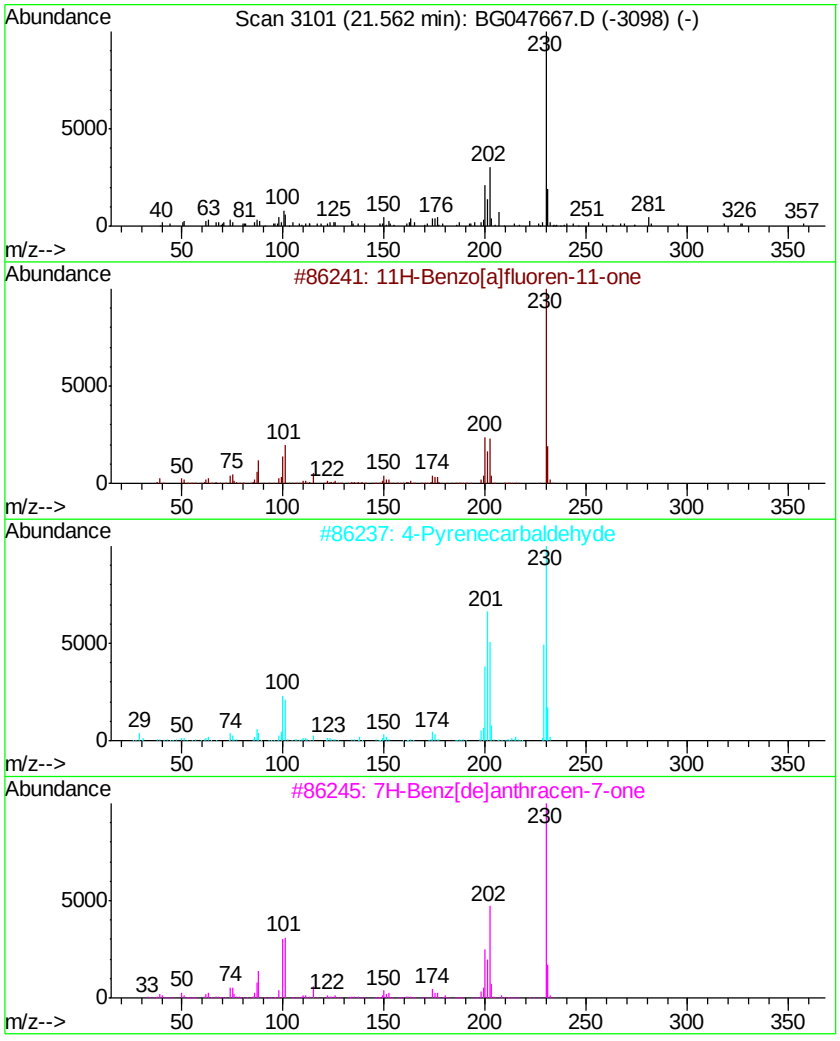
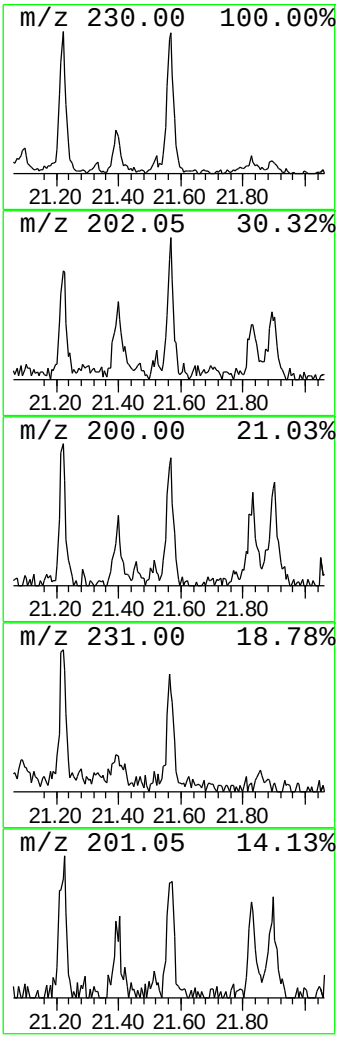
Peak Number 12 4-Pyrenecarbaldehyde Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	2.34 ng/ul	101862	Chrysene-d12	21.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	81
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	76
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68





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Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION

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

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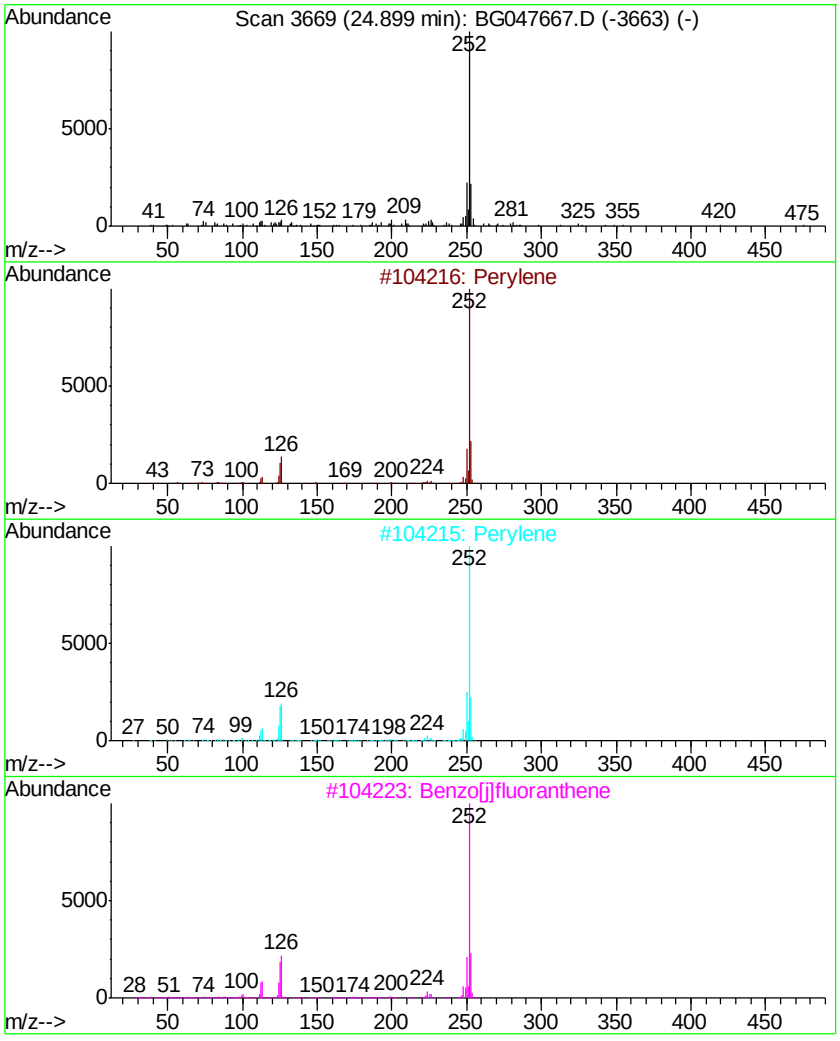
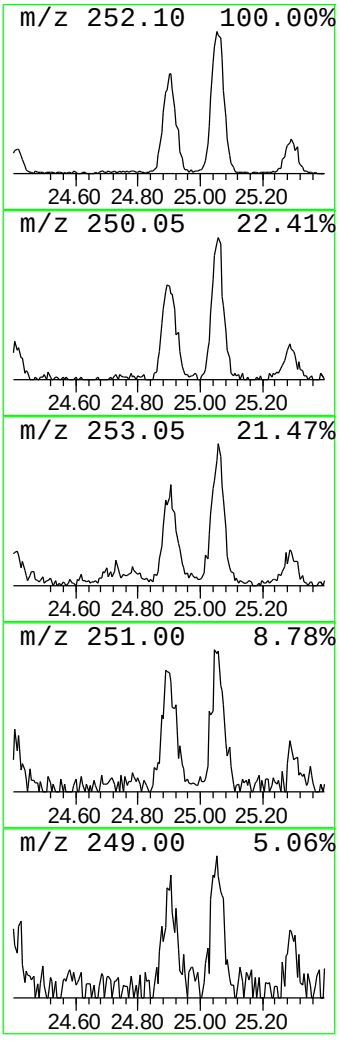
Peak Number 13 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.90	6.59 ng/ul	142566	Perylene-d12	25.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	81
2	Perylene	252	C20H12	000198-55-0	76
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76
4	Benzo[e]pyrene	252	C20H12	000192-97-2	74
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG120820\
Data File : BG047667.D
Acq On : 9 Dec 2020 4:18
Operator : CG/JU
Sample : L4942-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BJ0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.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
(DEL) Alkane: Str...	9.45	4.6	ng/ul	39610	1	8.22	172600	20.0
Phenanthrene, 1-m...	18.44	2.5	ng/ul	52318	4	17.57	420860	20.0
Anthracene, 9-met...	18.49	3.8	ng/ul	80185	4	17.57	420860	20.0
Thiophene-3-carbo...	18.64	4.5	ng/ul	95164	4	17.57	420860	20.0
6-Phenylbenzocycl...	18.93	2.6	ng/ul	55053	4	17.57	420860	20.0
9,10-Anthracenedione	18.97	5.1	ng/ul	107452	4	17.57	420860	20.0
Cyclopenta(def)ph...	19.49	3.4	ng/ul	72037	4	17.57	420860	20.0
11H-Benzo[a]fluorene	20.45	2.1	ng/ul	90688	5	21.85	871187	20.0
11H-Benzo[a]fluor...	21.22	2.1	ng/ul	90816	5	21.85	871187	20.0
Benzo[b]naphtho[2...	21.41	2.3	ng/ul	100669	5	21.85	871187	20.0
unknown-01	21.46	2.5	ng/ul	109838	5	21.85	871187	20.0
4-Pyrenecarbaldehyde	21.56	2.3	ng/ul	101862	5	21.85	871187	20.0
Perylene	24.90	6.6	ng/ul	142566	6	25.22	432373	20.0