LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\
Data File : BG047402.D
Acq On : 21 Nov 2020 19:49
Operator : CG/JU
Sample : L4711-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2

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-BG111920MA.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	6.954	609	615	622	rVB2	93805	155940	3.97%	0.333%
2	7.406	685	692	709	rVB2	214519	386718	9.83%	0.825%
3	7.589	715	723	732	rVB2	120618	216656	5.51%	0.462%
4	7.800	750	759	765	rVV	204584	355829	9.05%	0.759%
5	8.276	834	840	847	rBV	168064	287534	7.31%	0.614%
6	8.963	949	957	966	rBV	254212	442568	11.25%	0.944%
7	9.439	1031	1038	1047	rBV	199099	361139	9.18%	0.771%
8	10.168	1156	1162	1170	rBV2	183111	349328	8.88%	0.745%
9	10.709	1245	1254	1262	rBV2	290242	528447	13.44%	1.128%
10	11.102	1313	1321	1328	rBV	216970	391703	9.96%	0.836%
11	11.226	1334	1342	1351	rBV	176227	320401	8.15%	0.684%
12	13.770	1770	1775	1784	rVB2	125167	199633	5.08%	0.426%
13	14.222	1845	1852	1857	rBV	370104	547015	13.91%	1.167%
14	14.281	1857	1862	1866	rVV	467302	703955	17.90%	1.502%
15	14.328	1866	1870	1877	rVB	188885	276253	7.03%	0.590%
16	14.580	1907	1913	1922	rVB	480430	789883	20.09%	1.686%
17	14.845	1949	1958	1961	rBV2	155115	242765	6.17%	0.518%
18	14.886	1961	1965	1971	rVV	315449	501137	12.74%	1.069%
19	14.951	1971	1976	1980	rVV2	45429	70385	1.79%	0.150%
20	15.045	1986	1992	1998	rVB2	219058	331733	8.44%	0.708%
21	15.133	2003	2007	2010	rVV3	23050	41124	1.05%	0.088%
22	15.873	2126	2133	2138	rBV	612428	938903	23.88%	2.004%
23	15.926	2138	2142	2145	rVV2	44222	70389	1.79%	0.150%
24	15.967	2145	2149	2156	rVV	168710	266279	6.77%	0.568%
25	16.214	2180	2191	2197	rVV4	23085	53624	1.36%	0.114%
26	16.343	2205	2213	2222	rBV5	41577	96508	2.45%	0.206%
27	16.596	2250	2256	2262	rVV9	17516	33867	0.86%	0.072%
28	16.919	2308	2311	2317	rVV5	20572	33855	0.86%	0.072%
29	17.148	2341	2350	2354	rBV8	20931	50963	1.30%	0.109%
30	17.271	2366	2371	2378	rVB3	39229	63913	1.63%	0.136%
31	17.348	2380	2384	2386	rBV3	24920	36232	0.92%	0.077%
32	17.442	2395	2400	2405	rBV	45120	66699	1.70%	0.142%
33	17.624	2424	2431	2434	rBV	394335	645586	16.42%	1.378%
34	17.665	2434	2438	2443	rVV	990052	1481799	37.68%	3.162%

LSC Area Percent Report

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Acq On : 21 Nov 2020 19:49
Operator : CG/JU
Sample : L4711-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2

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-BG111920MA.M
Title : SVOA CALIBRATION

35	17.724	2443	2448	2451	rVV	599563	972057	24.72%	2.074%
36	17.753	2451	2453	2458	rVV	211308	281391	7.16%	0.600%
37	17.812	2458	2463	2469	rVB2	37353	61847	1.57%	0.132%
38	18.012	2488	2497	2502	rBV	82596	165585	4.21%	0.353%
39	18.135	2514	2518	2521	rBV	30195	44816	1.14%	0.096%
40	18.200	2525	2529	2532	rVV4	22180	31415	0.80%	0.067%
41	18.488	2573	2578	2583	rBV2	336042	508338	12.93%	1.085%
42	18.541	2583	2587	2594	rVB	209424	331516	8.43%	0.707%
43	18.617	2594	2600	2605	rBV	74661	124191	3.16%	0.265%
44	18.687	2605	2612	2616	rBV2	239540	479968	12.21%	1.024%
45	18.781	2624	2628	2632	rBV7	21854	44149	1.12%	0.094%
46	18.823	2632	2635	2639	rVV5	21826	37450	0.95%	0.080%
47	18.975	2656	2661	2665	rVV	157387	245217	6.24%	0.523%
48	19.016	2665	2668	2674	rVB	225744	317227	8.07%	0.677%
49	19.222	2698	2703	2706	rBV3	40601	70391	1.79%	0.150%
50	19.269	2706	2711	2714	rVB3	45035	72720	1.85%	0.155%
51	19.310	2714	2718	2721	rBV2	30032	41302	1.05%	0.088%
52	19.392	2727	2732	2737	rBV2	88969	154098	3.92%	0.329%
53	19.451	2737	2742	2745	rBV6	35650	60972	1.55%	0.130%
54	19.533	2751	2756	2763	rBV2	107387	181958	4.63%	0.388%
55	19.657	2771	2777	2783	rVB	2702507	3932386	100.00%	8.392%
56	19.710	2783	2786	2788	rBV4	33432	40107	1.02%	0.086%
57	19.745	2788	2792	2797	rVB3	92736	130767	3.33%	0.279%
58	19.839	2804	2808	2812	rBV3	58148	90132	2.29%	0.192%
59	19.898	2814	2818	2826	rVV	85697	145731	3.71%	0.311%
60	19.986	2827	2833	2835	rVV2	1105998	1767059	44.94%	3.771%
61	20.021	2835	2839	2844	rVV	1995586	3002164	76.34%	6.407%
62	20.080	2844	2849	2856	rVB	116827	189614	4.82%	0.405%
63	20.186	2862	2867	2873	rVB	170870	234046	5.95%	0.499%
64	20.244	2873	2877	2882	rVB	61710	95774	2.44%	0.204%
65	20.333	2885	2892	2897	rBV3	169240	455560	11.58%	0.972%
66	20.374	2897	2899	2905	rVB3	34270	45524	1.16%	0.097%
67	20.462	2910	2914	2916	rVV3	104144	188580	4.80%	0.402%
68	20.497	2916	2920	2925	rVB	390333	559999	14.24%	1.195%
69	20.597	2931	2937	2940	rBV	271647	397582	10.11%	0.848%
70	20.656	2940	2947	2950	rVV2	201875	425361	10.82%	0.908%
71	20.691	2950	2953	2957	rVV	134887	187686	4.77%	0.401%

LSC Area Percent Report

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Acq On : 21 Nov 2020 19:49
Operator : CG/JU
Sample : L4711-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2

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-BG111920MA.M
Title : SVOA CALIBRATION

72	20.732	2957	2960	2966	rVB4	53517	87543	2.23%	0.187%
73	20.797	2966	2971	2974	rBV	111756	158827	4.04%	0.339%
74	20.844	2976	2979	2988	rVB3	96914	171189	4.35%	0.365%
75	21.096	3019	3022	3025	rBV5	38660	51702	1.31%	0.110%
76	21.220	3041	3043	3046	rBV3	33756	47039	1.20%	0.100%
77	21.273	3047	3052	3057	rVV	227776	373407	9.50%	0.797%
78	21.331	3058	3062	3068	rVB	397844	540551	13.75%	1.154%
79	21.466	3077	3085	3089	rBV3	250137	539771	13.73%	1.152%
80	21.513	3089	3093	3097	rVV	321085	514457	13.08%	1.098%
81	21.560	3097	3101	3106	rVV2	211150	399348	10.16%	0.852%
82	21.619	3106	3111	3119	rVB2	268105	513608	13.06%	1.096%
83	21.772	3131	3137	3141	rVB3	86925	159931	4.07%	0.341%
84	21.890	3150	3157	3164	rBV2	1277646	2857502	72.67%	6.098%
85	21.960	3164	3169	3181	rVB	1130048	2131747	54.21%	4.549%
86	22.119	3190	3196	3202	rBV2	174694	335511	8.53%	0.716%
87	22.324	3226	3231	3239	rBV2	157745	330614	8.41%	0.706%
88	22.671	3287	3290	3296	rVB2	150919	255787	6.50%	0.546%
89	22.753	3299	3304	3311	rVB3	183756	380701	9.68%	0.812%
90	22.965	3335	3340	3344	rBV2	92004	190917	4.85%	0.407%
91	23.006	3344	3347	3354	rVB5	93798	195175	4.96%	0.416%
92	23.135	3366	3369	3377	rVB4	176033	319806	8.13%	0.682%
93	24.246	3546	3558	3564	rBV	829249	2844536	72.34%	6.070%
94	24.498	3596	3601	3609	rVB2	122329	285900	7.27%	0.610%
95	25.004	3679	3687	3695	rBV	394816	1107894	28.17%	2.364%
96	25.086	3695	3701	3706	rVV	242664	587170	14.93%	1.253%
97	25.168	3707	3715	3729	rVB	624522	1837577	46.73%	3.921%
98	25.315	3732	3740	3747	rBV2	183613	556731	14.16%	1.188%
99	29.251	4397	4410	4428	rVB4	277904	1434685	36.48%	3.062%
100	30.474	4611	4618	4619	rBV	105941	198080	5.04%	0.423%

Sum of corrected areas: 46861149

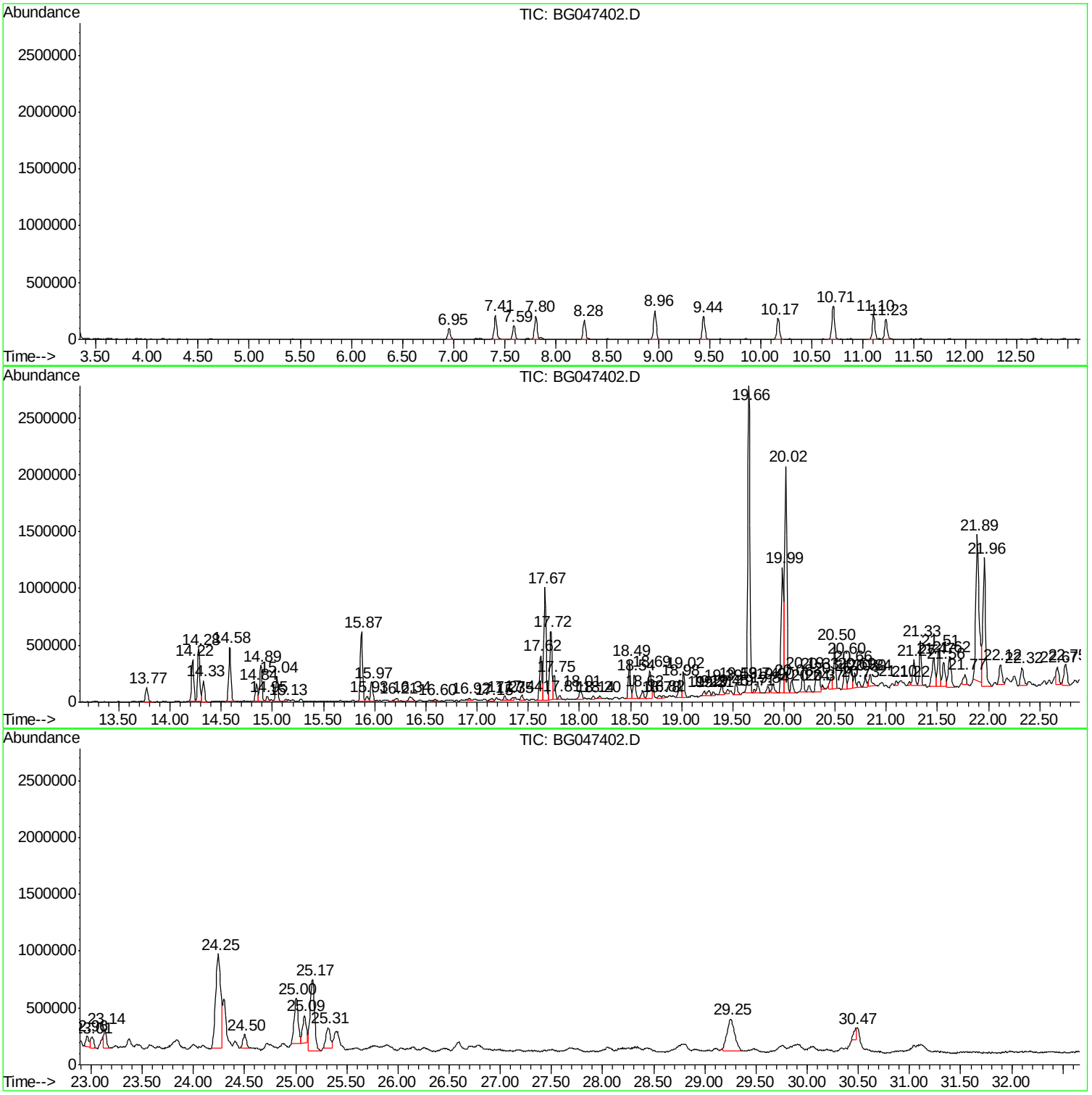
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\
Data File : BG047402.D
Acq On : 21 Nov 2020 19:49
Operator : CG/JU
Sample : L4711-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.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\BG112120\
Data File : BG047402.D
Acq On : 21 Nov 2020 19:49
Operator : CG/JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

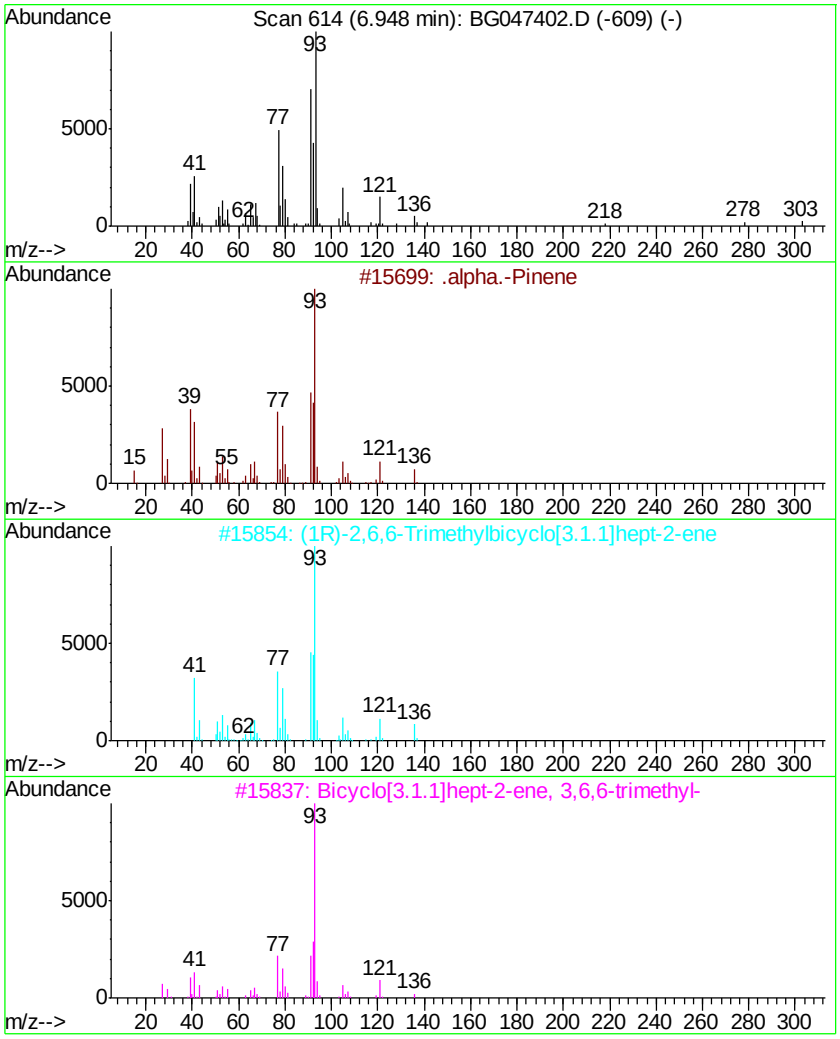
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

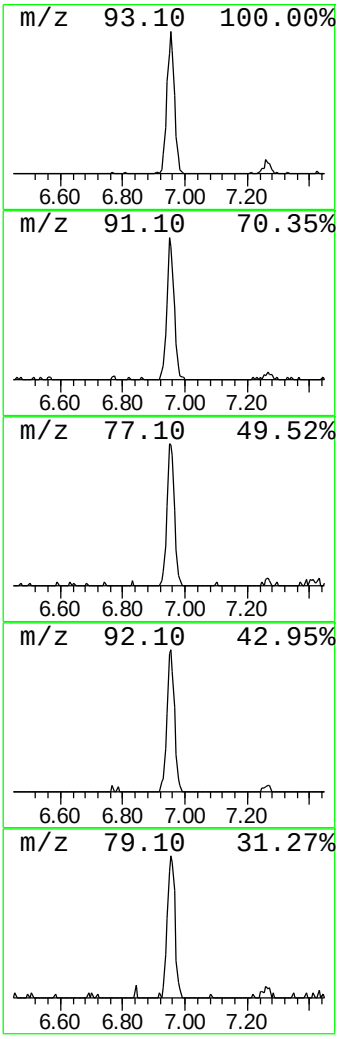
****

Peak Number 1 .alpha.-Pinene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.95	10.85 ng/ul	155940	1,4-Dichlorobenzene-d4	8.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	94
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	91
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
4	3-Carene	136	C10H16	013466-78-9	90
5	.gamma.-Terpinene	136	C10H16	000099-85-4	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\
Data File : BG047402.D
Acq On : 21 Nov 2020 19:49
Operator : CG/JU
Sample : L4711-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

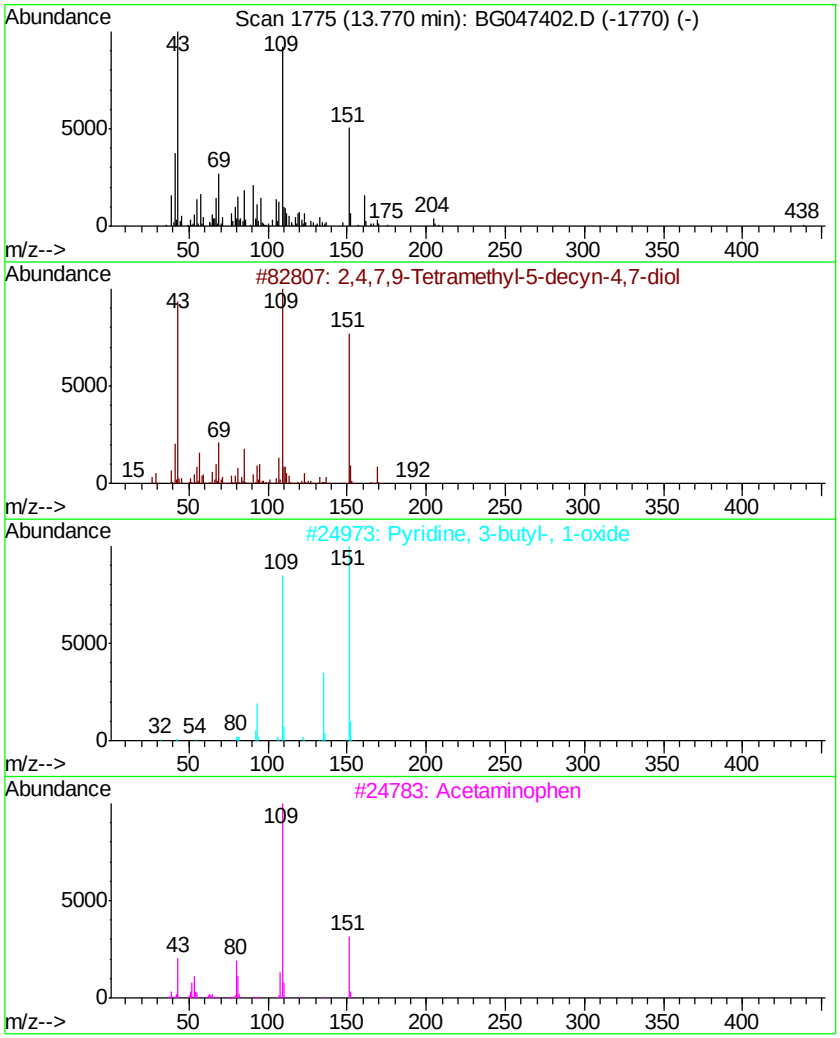
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

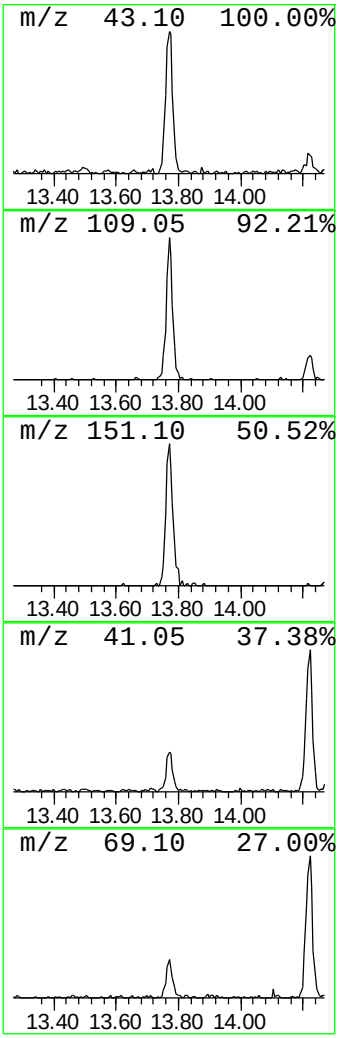
****

Peak Number 2 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	7.97 ng/ul	199633	Acenaphthene-d10	14.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	87
2	Pyridine, 3-butyl-, 1-oxide	151	C9H13NO	031396-33-5	62
3	Acetaminophen	151	C8H9NO2	000103-90-2	53
4	Metacetamol	151	C8H9NO2	000621-42-1	53
5	Metacetamol	151	C8H9NO2	000621-42-1	53





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Instrument : BNA_G
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

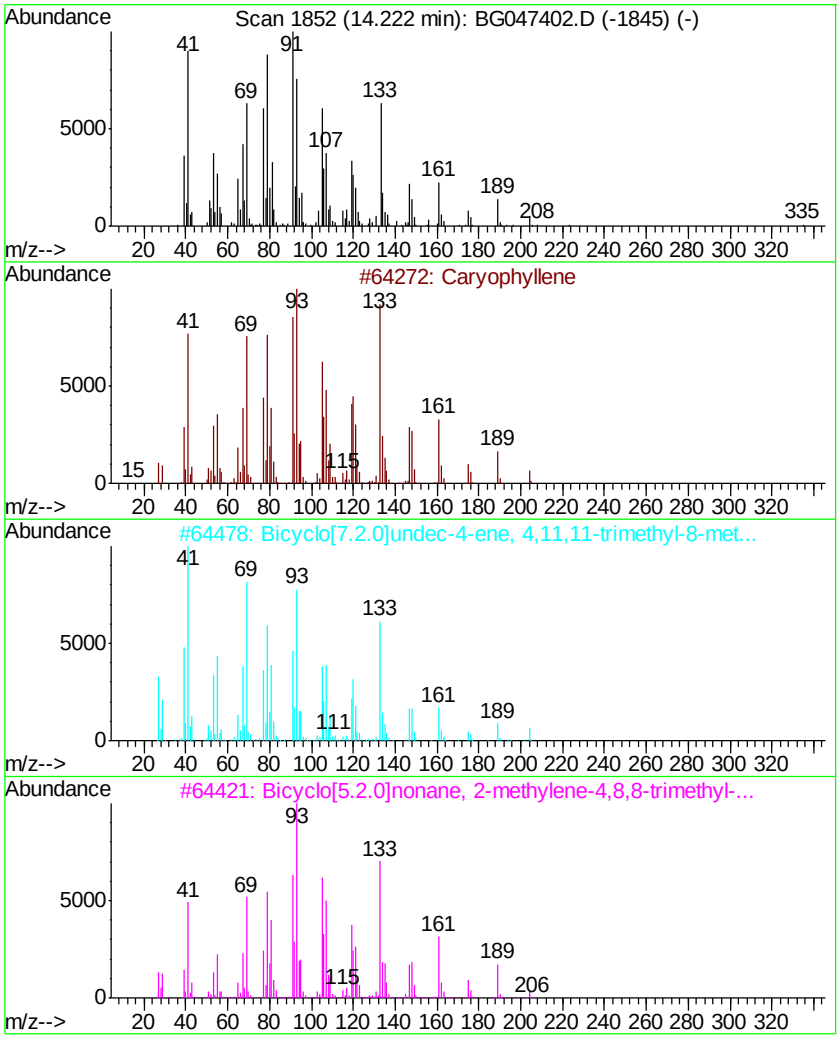
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

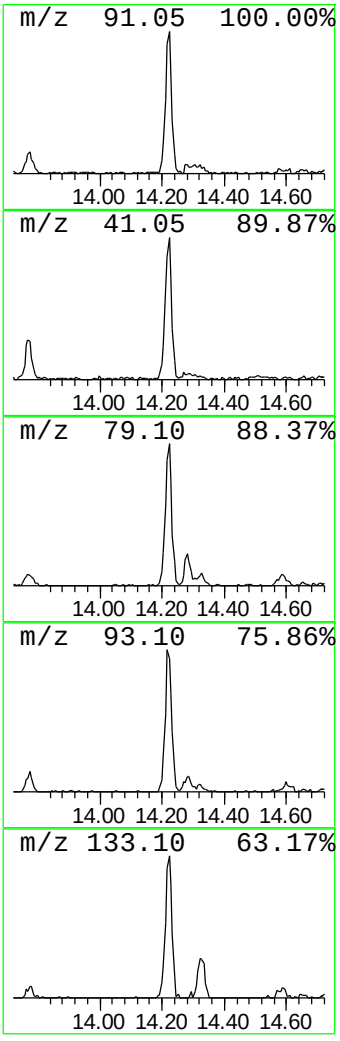
****

Peak Number 3 Caryophyllene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	21.83 ng/ul	547015	Acenaphthene-d10	14.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Caryophyllene	204	C15H24	000087-44-5	95
2	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	000118-65-0	95
3	Bicyclo[5.2.0]nonane, 2-methylen...	204	C15H24	242794-76-9	94
4	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	013877-93-5	94
5	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	013877-93-5	86





Library Search Compound Report

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Data File : BG047402.D
Acq On : 21 Nov 2020 19:49
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Misc :
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Instrument : BNA_G
ClientSampleId : C0BF2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

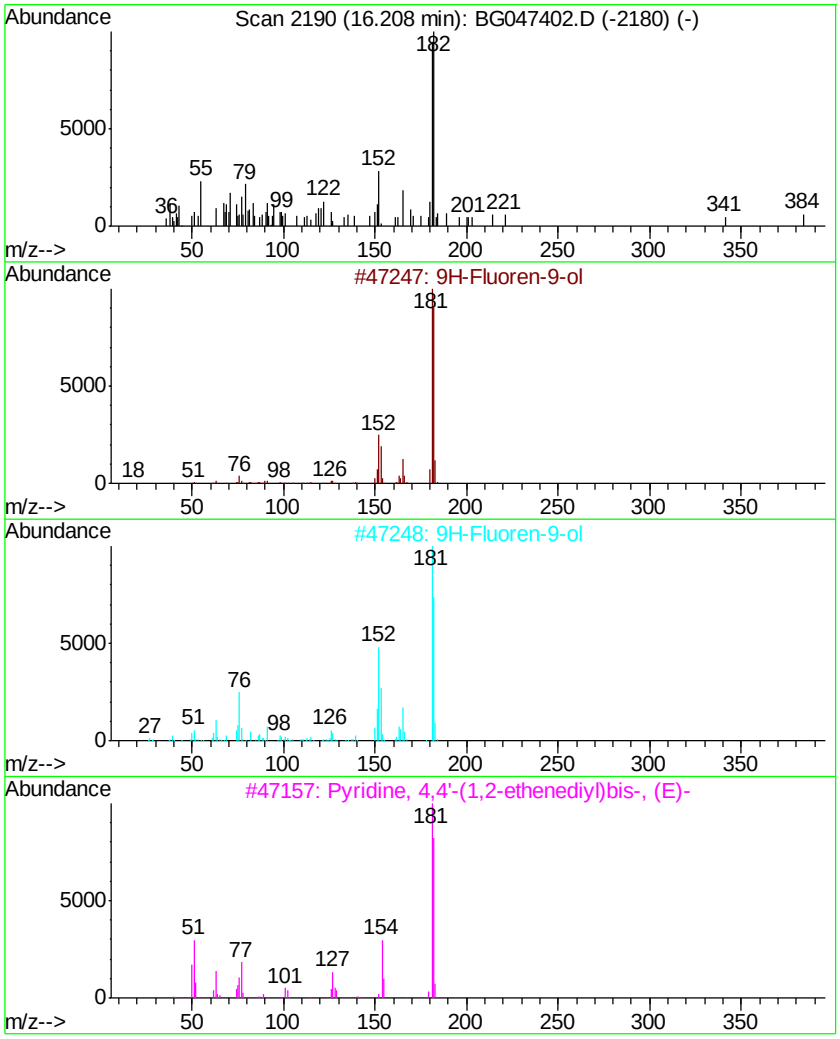
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

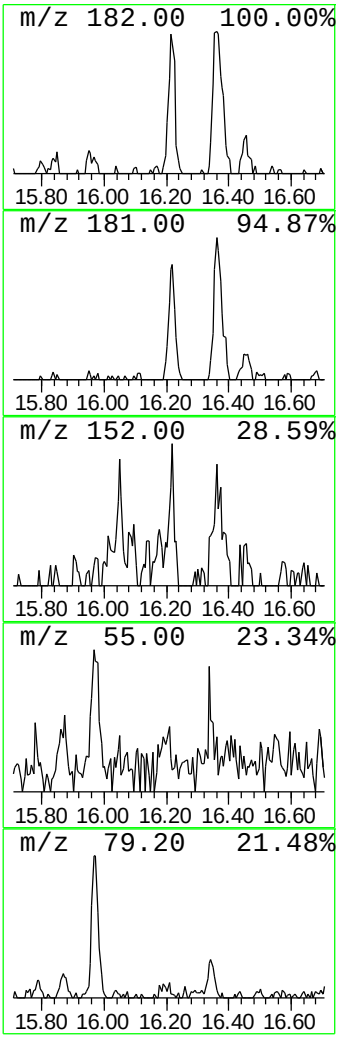
****

Peak Number 4 9H-Fluoren-9-ol Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	2.14 ng/ul	53624	Acenaphthene-d10	14.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	Pyridine, 4,4'-(1,2-ethenediyl)b...	182	C12H10N2	013362-78-2	72
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Library Search Compound Report

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Data File : BG047402.D
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Operator : CG/JU
Sample : L4711-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

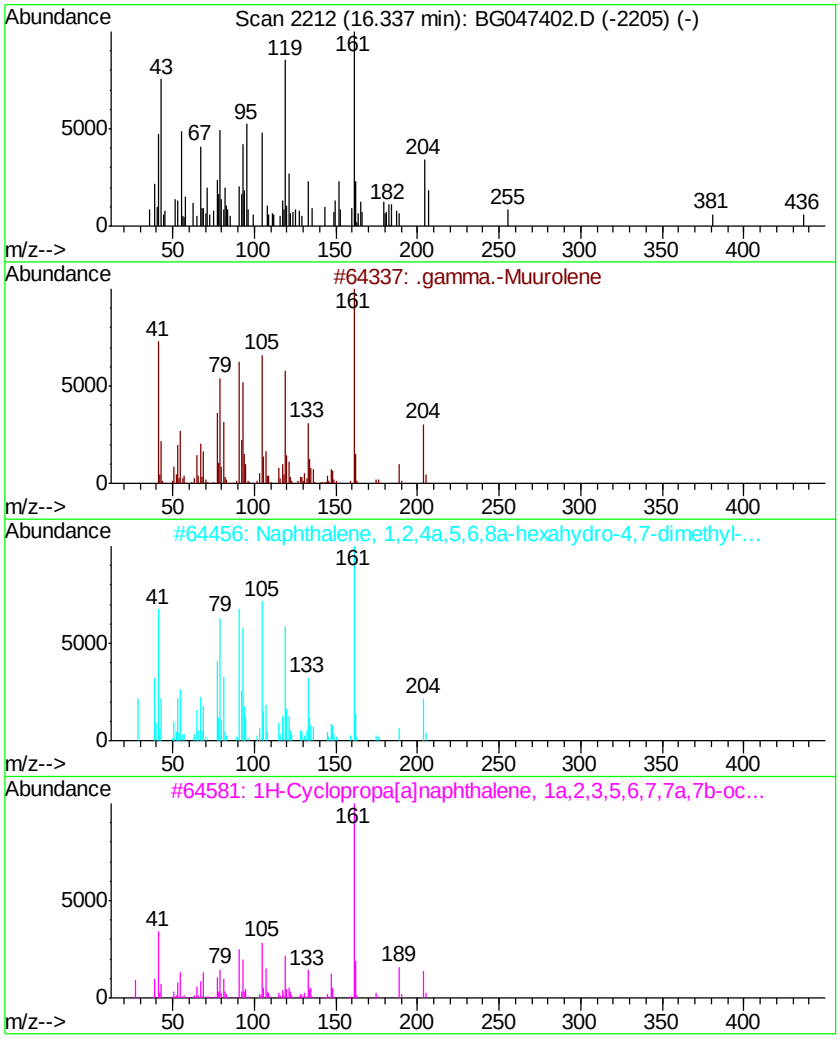
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

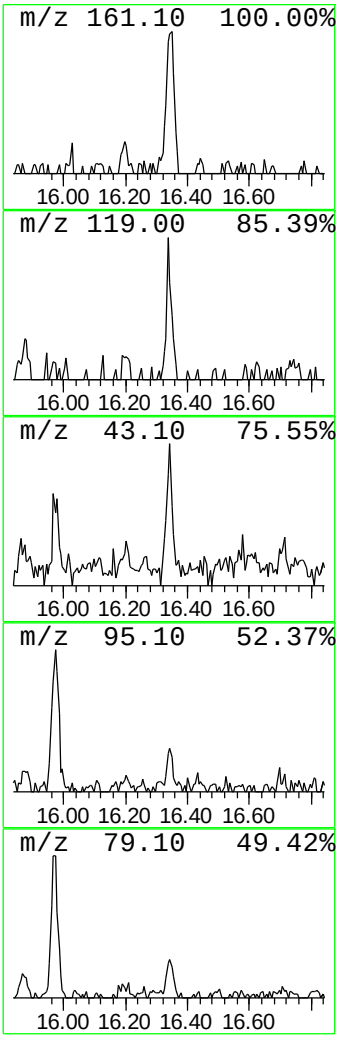
****

Peak Number 5 .gamma.-Muurolene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	2.99 ng/ul	96508	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Muurolene	204	C15H24	030021-74-0	64
2	Naphthalene, 1,2,4a,5,6,8a-hexah...	204	C15H24	000483-75-0	64
3	1H-Cyclopropa[a]naphthalene, 1a,...	204	C15H24	017334-55-3	55
4	Copaene	204	C15H24	003856-25-5	55
5	Copaene	204	C15H24	003856-25-5	50





Library Search Compound Report

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Acq On : 21 Nov 2020 19:49
Operator : CG/JU
Sample : L4711-05
Misc :
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Instrument : BNA_G
ClientSampleId : C0BF2

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Quant Title : SVOA CALIBRATION

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

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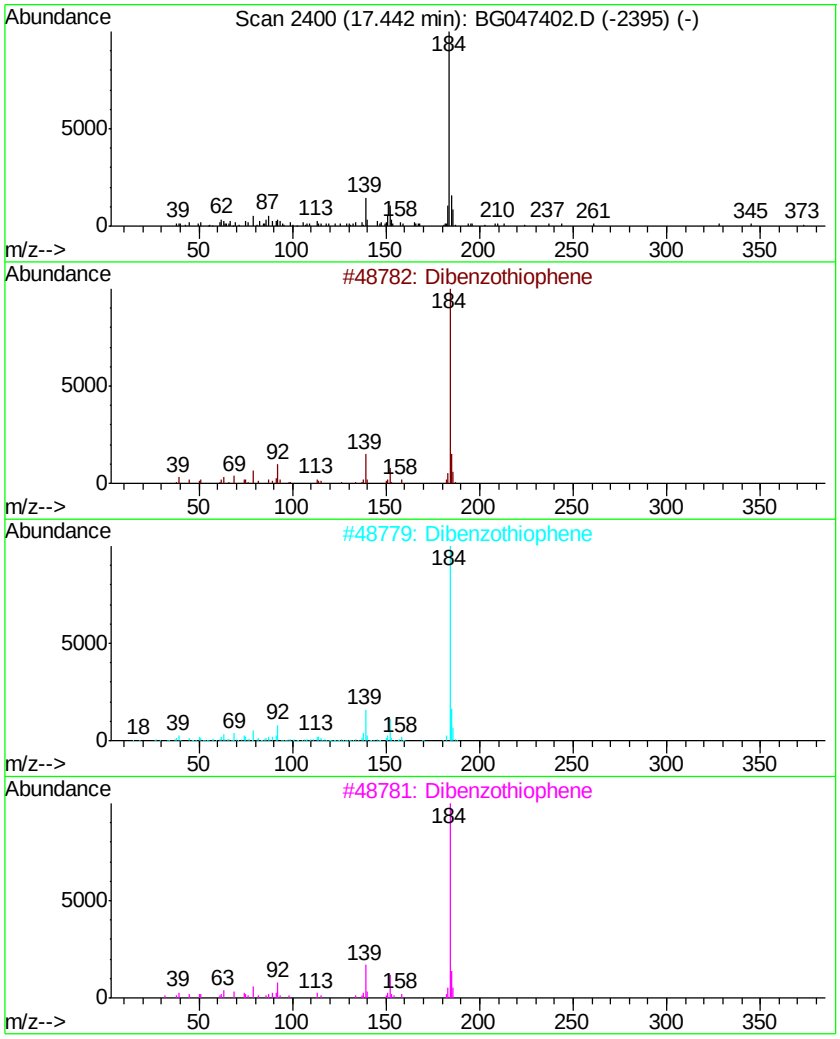
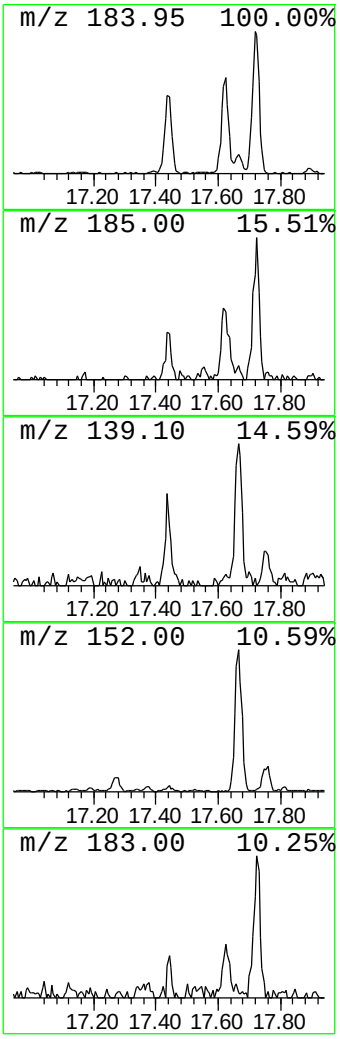
Peak Number 6 Dibenzothiophene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	2.07 ng/ul	66699	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87





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ClientSampleId : C0BF2

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Quant Title : SVOA CALIBRATION

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

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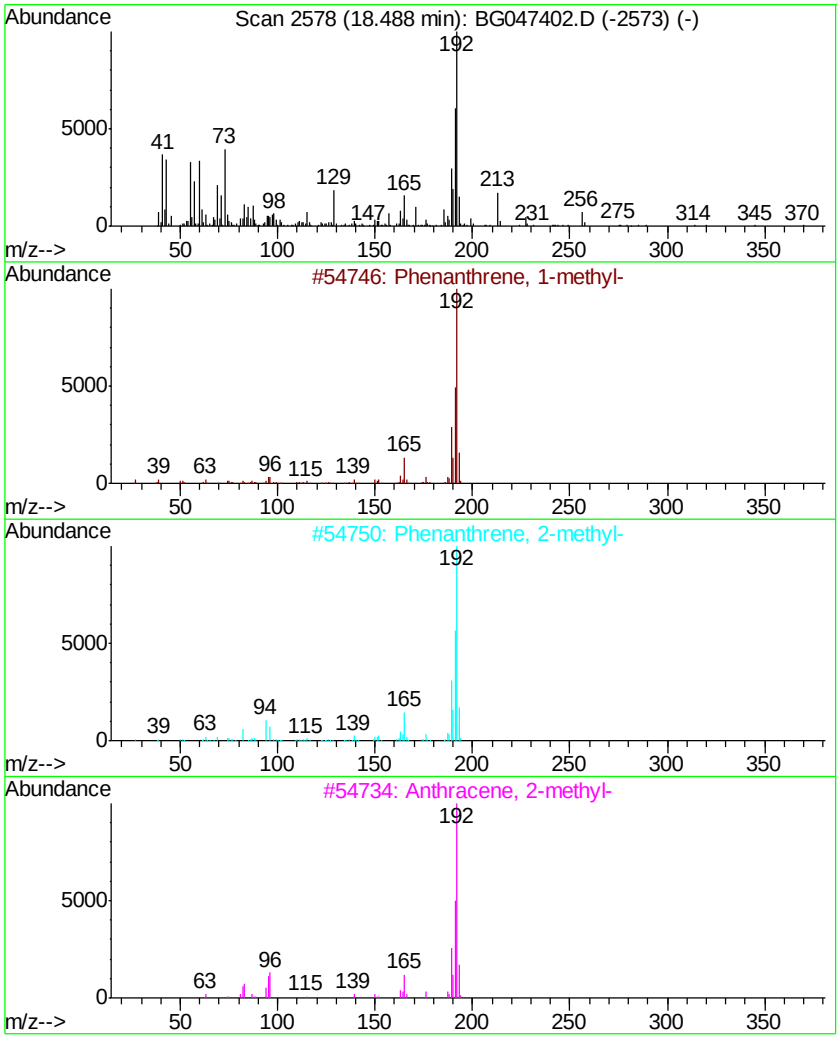
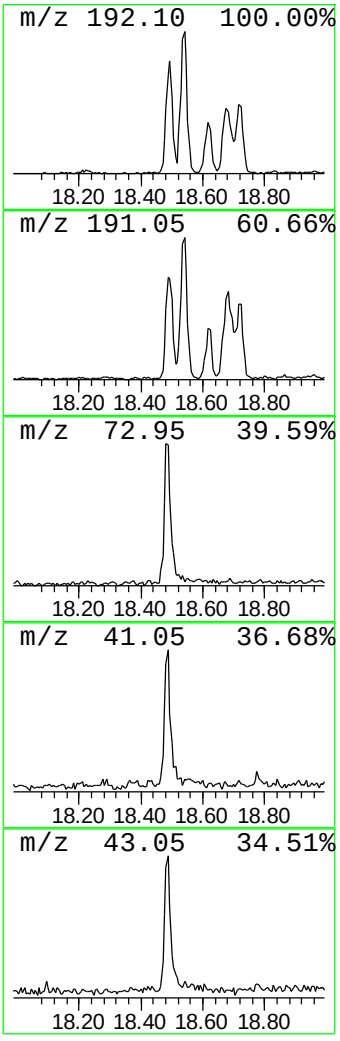
Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	15.75 ng/ul	508338	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	92
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	92





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ClientSampleId : C0BF2

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Quant Title : SVOA CALIBRATION

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

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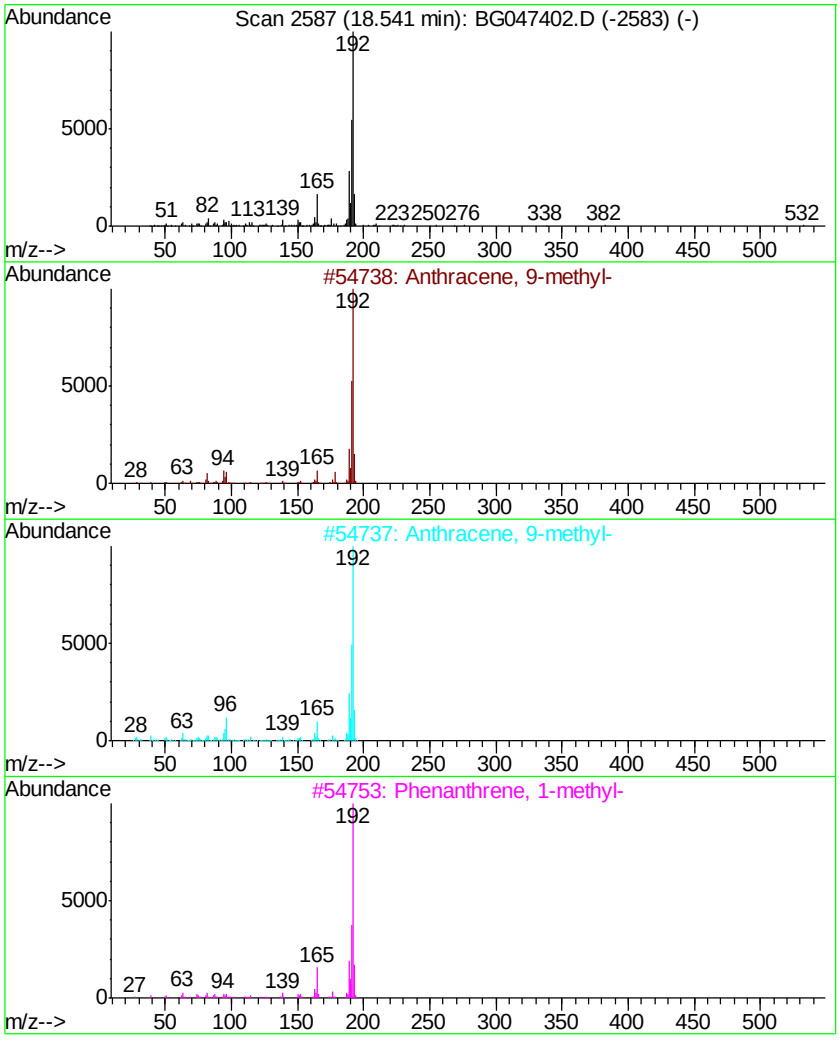
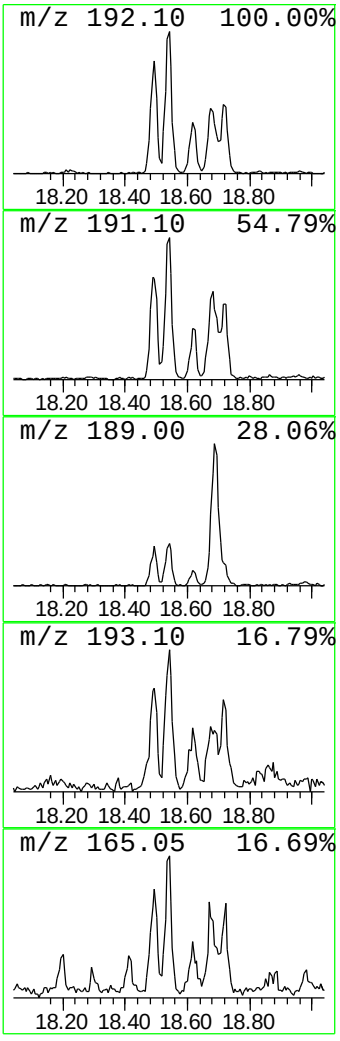
Peak Number 8 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	10.27 ng/ul	331516	Phenanthrene-d10	17.62

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





Library Search Compound Report

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Operator : CG/JU
Sample : L4711-05
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Instrument : BNA_G
ClientSampleId : C0BF2

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Quant Title : SVOA CALIBRATION

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

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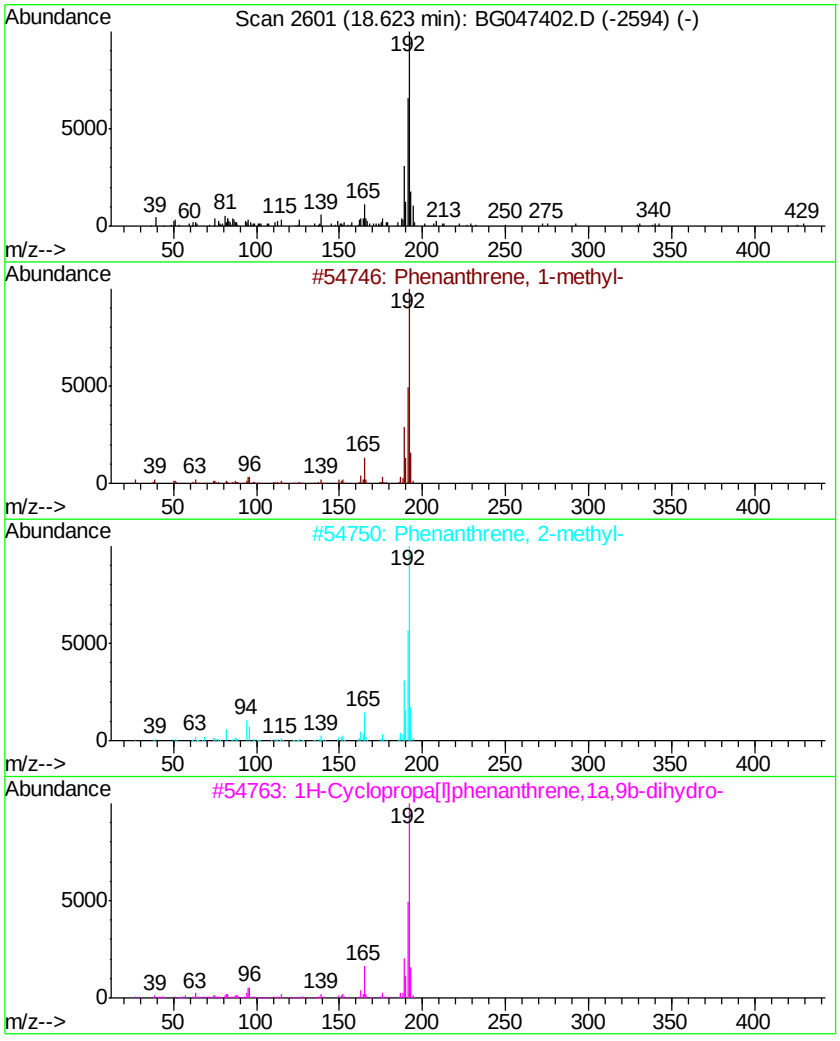
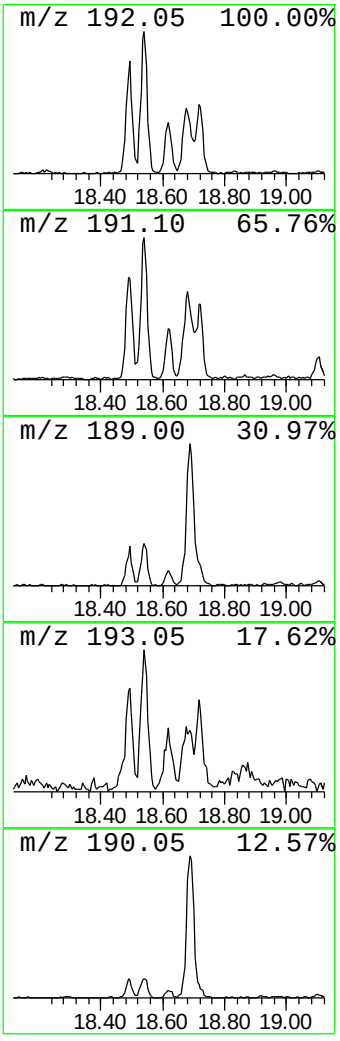
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	3.85 ng/ul	124191	Phenanthrene-d10	17.62

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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ClientSampleId : C0BF2

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Quant Title : SVOA CALIBRATION

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

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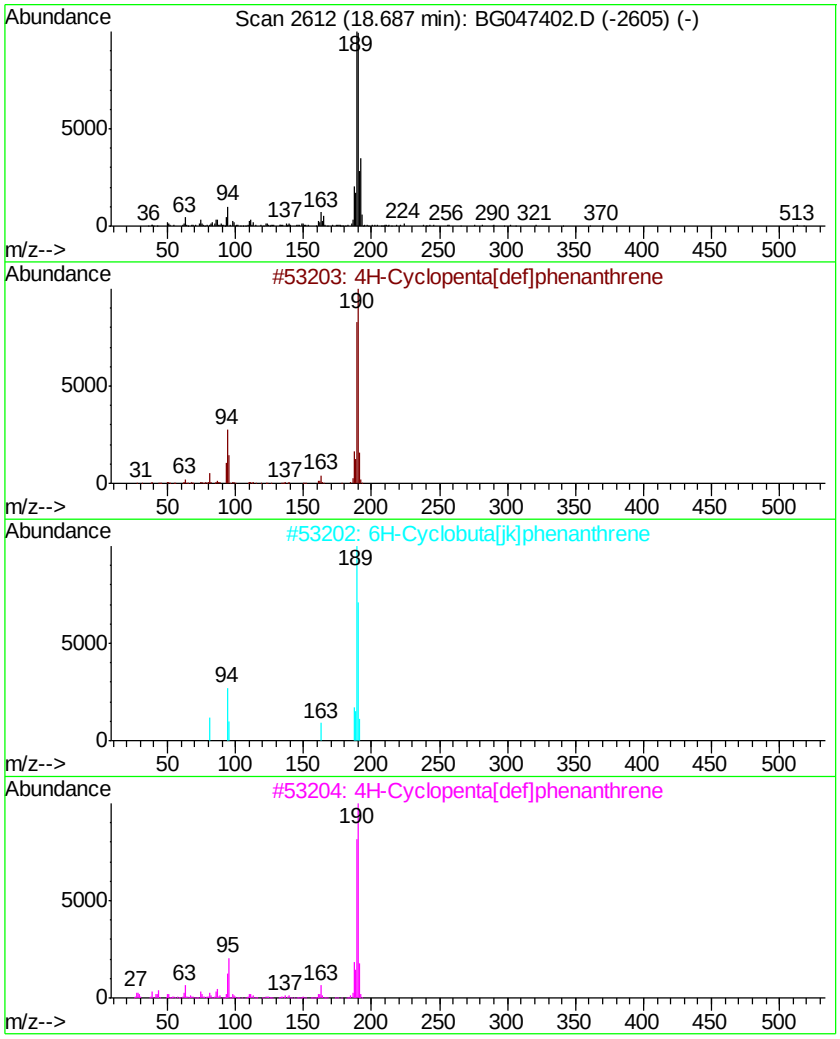
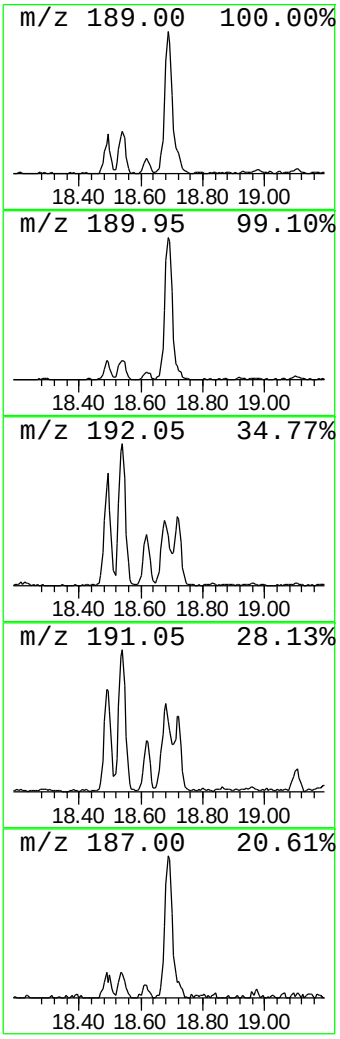
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	14.87 ng/ul	479968	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52





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Instrument : BNA_G
ClientSampleId : C0BF2

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	7.60 ng/ul	245217	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
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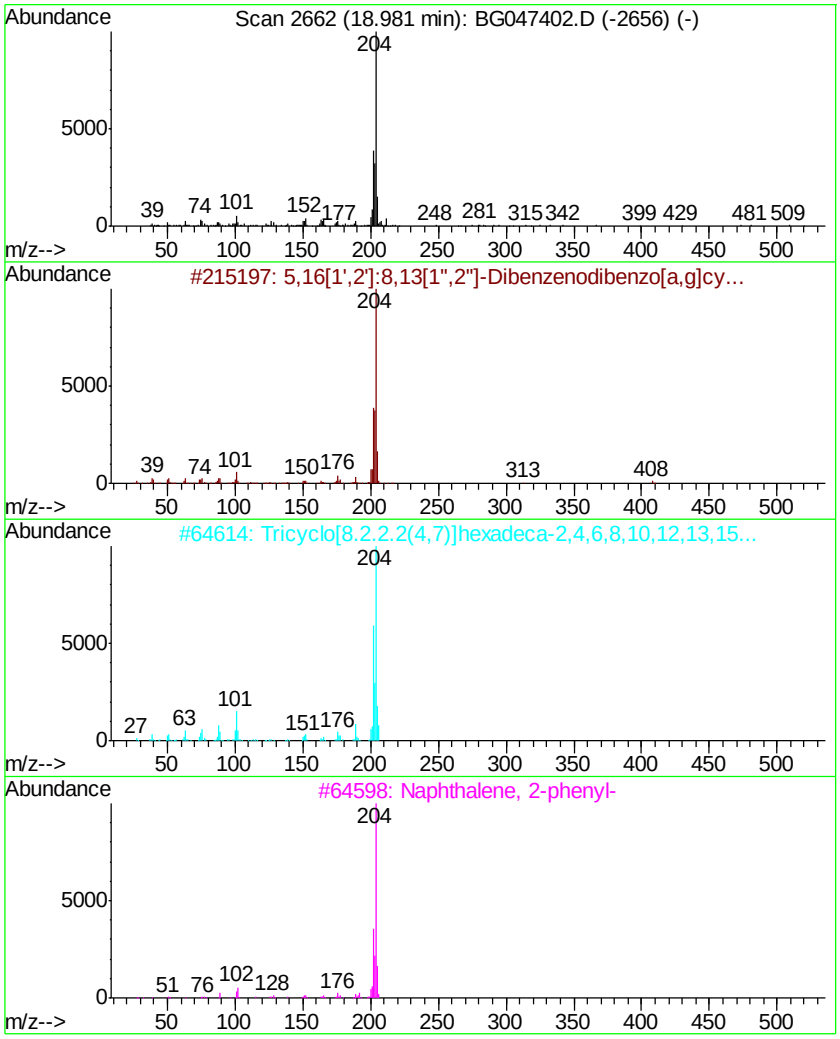

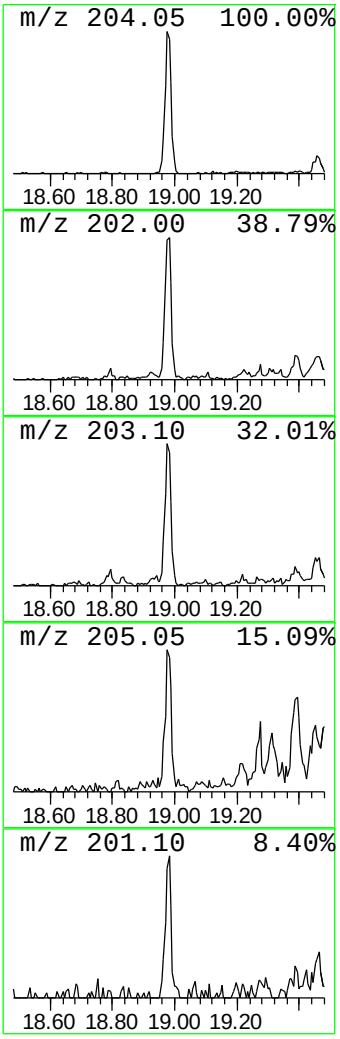

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Sample : L4711-05
Misc :
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Instrument : BNA_G
ClientSampleId : C0BF2

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Quant Title : SVOA CALIBRATION

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

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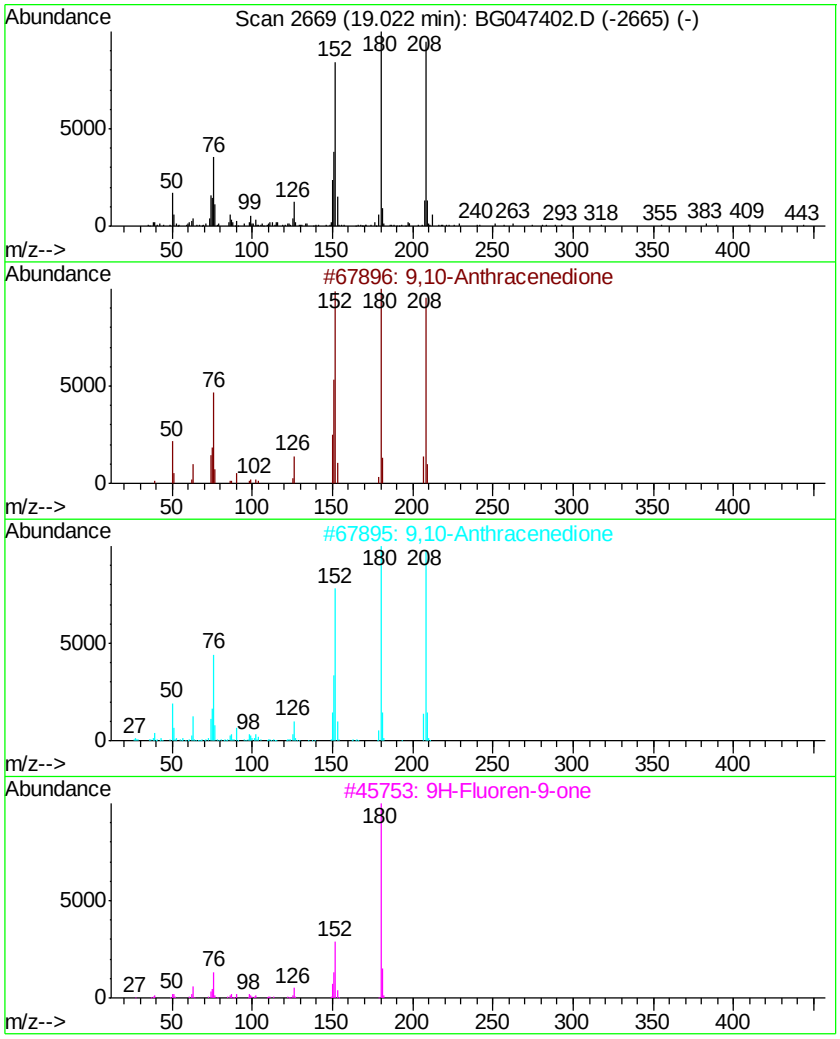
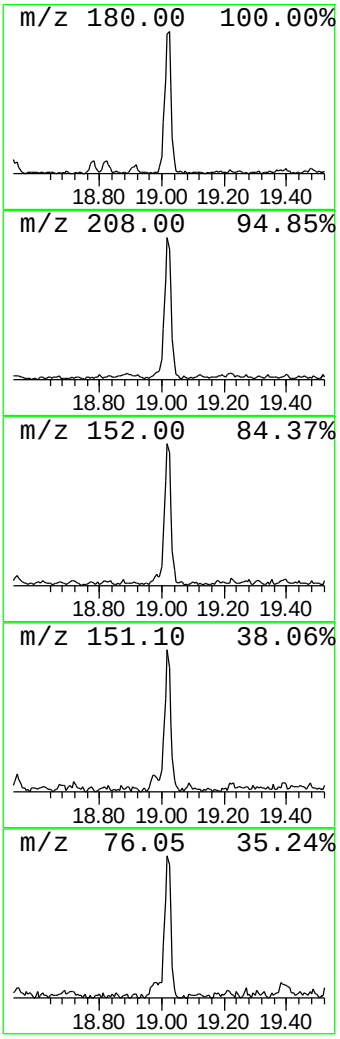
Peak Number 12 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	9.83 ng/ul	317227	Phenanthrene-d10	17.62

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	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	76





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Quant Title : SVOA CALIBRATION

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

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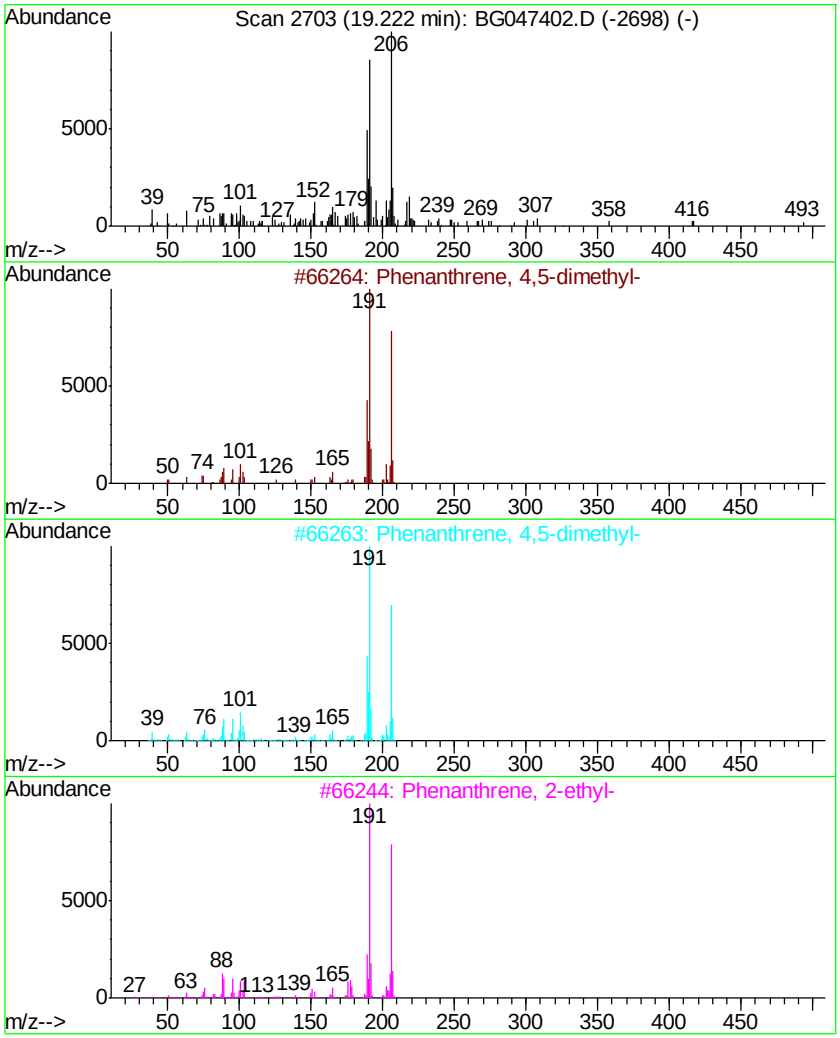
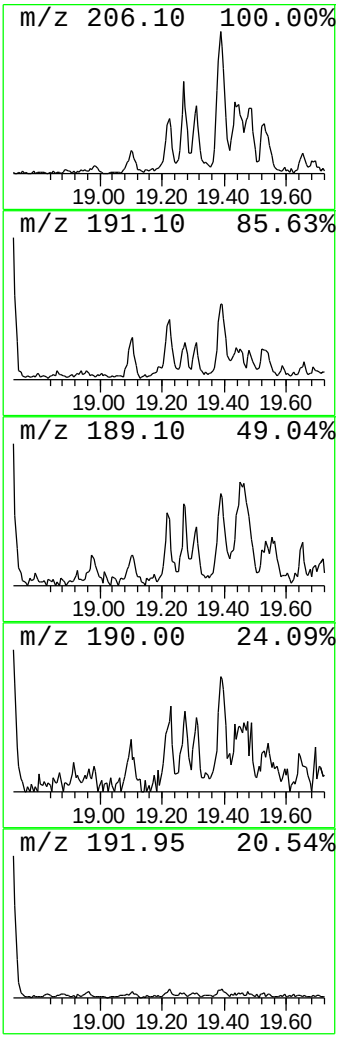
Peak Number 13 Phenanthrene, 4,5-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	2.18 ng/ul	70391	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	89
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	80





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Quant Title : SVOA CALIBRATION

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

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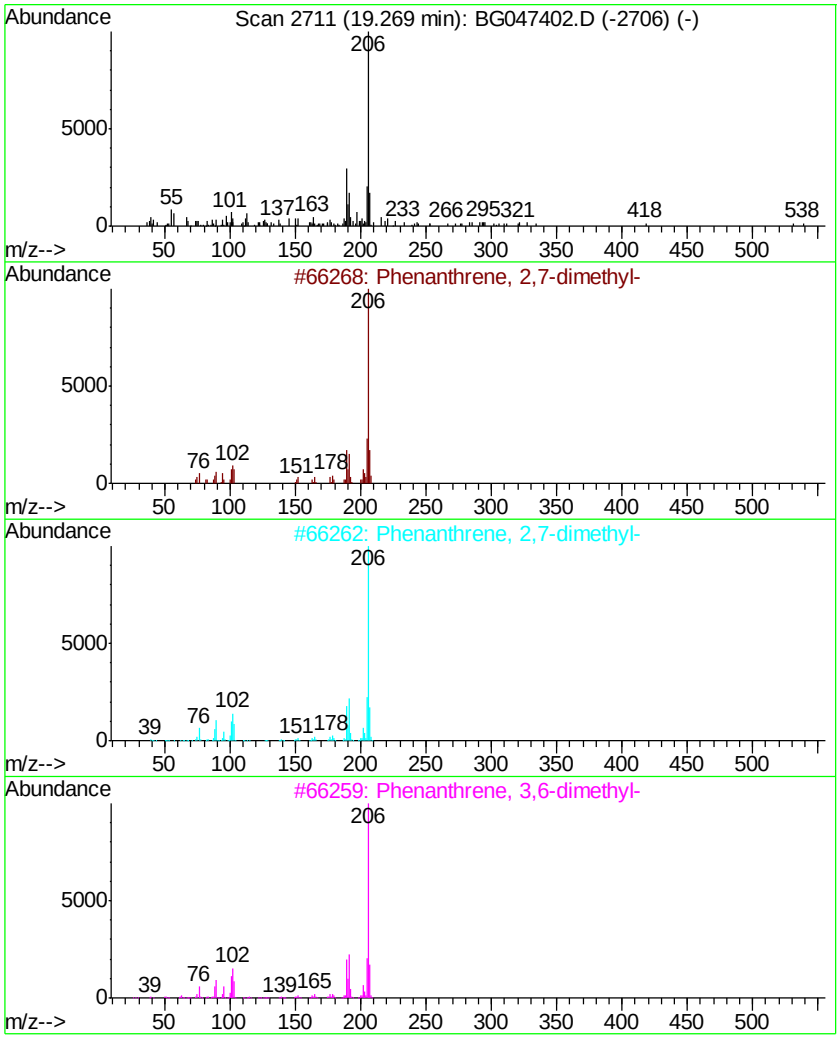
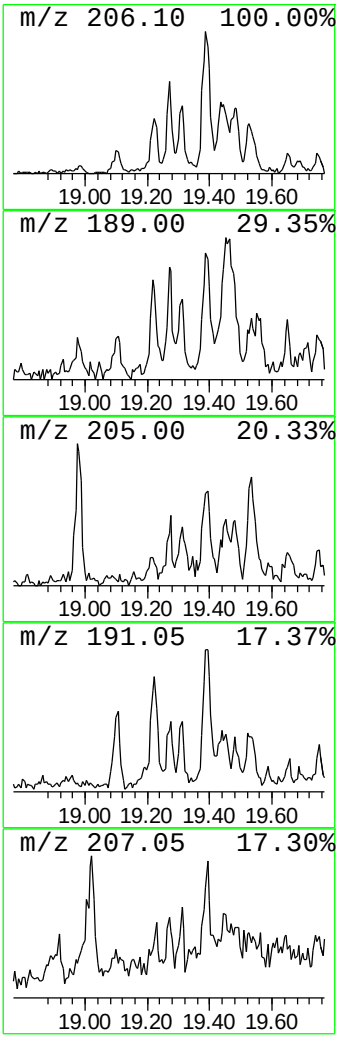
Peak Number 14 Phenanthrene, 2,7-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	2.25 ng/ul	72720	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	80
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	72
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	72





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Quant Title : SVOA CALIBRATION

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

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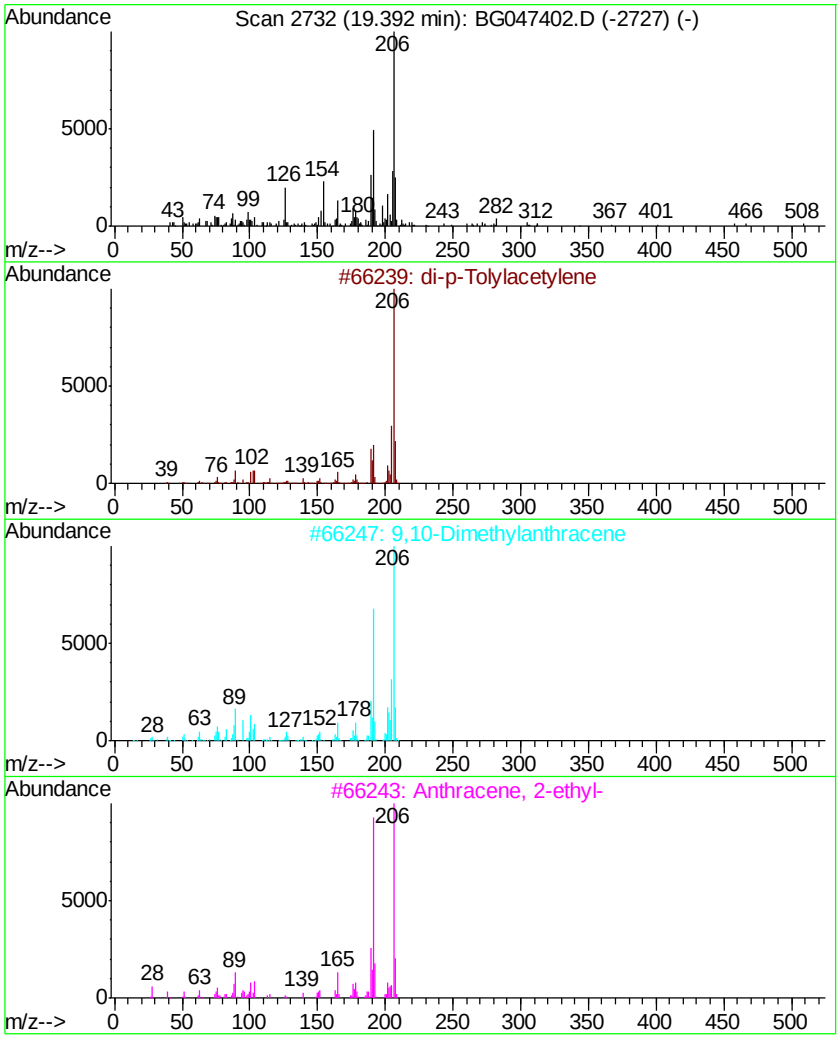
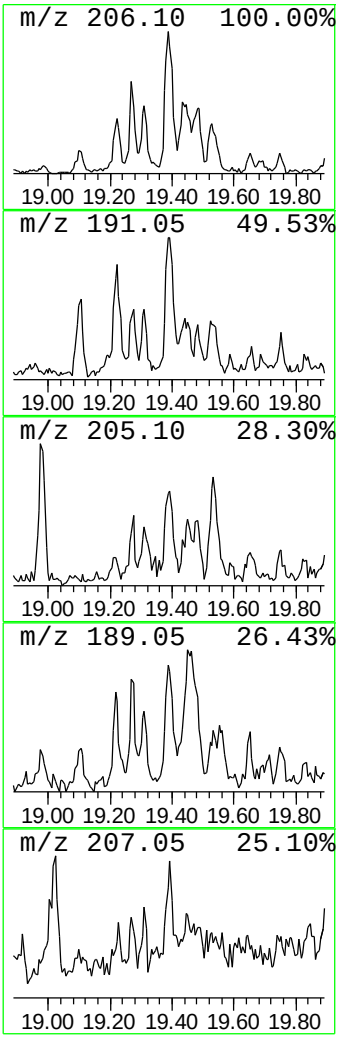
Peak Number 15 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	4.77 ng/ul	154098	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	64
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	62
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	60





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Quant Title : SVOA CALIBRATION

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

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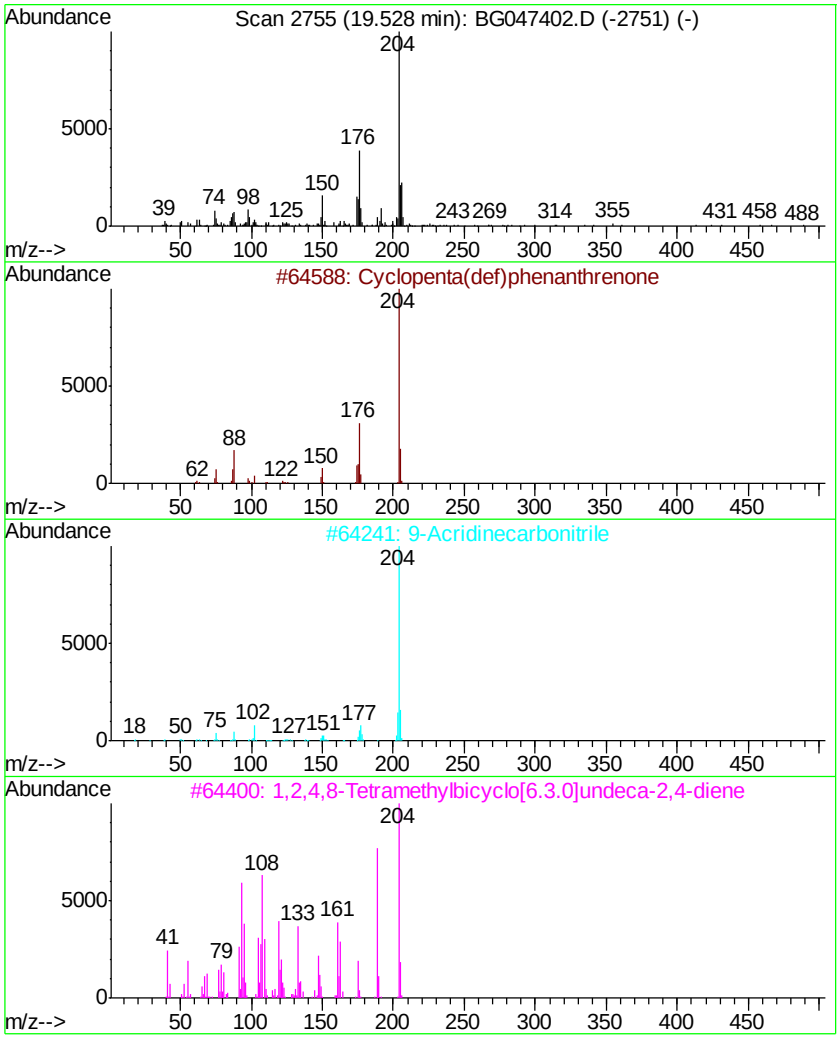
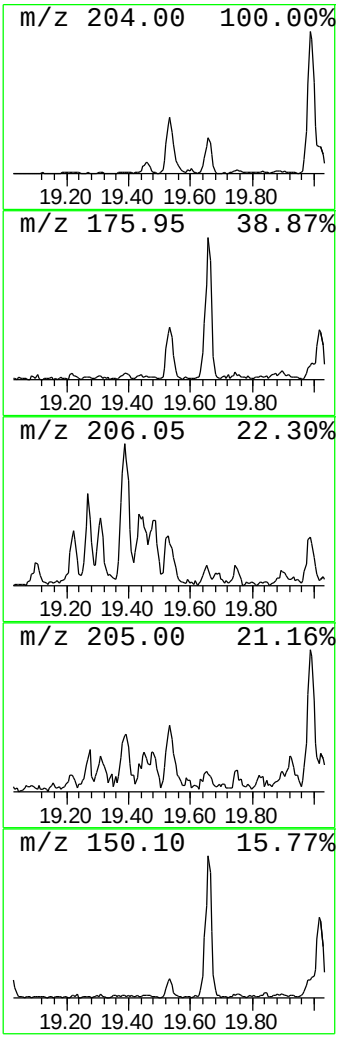
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	5.64 ng/ul	181958	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	47
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	43





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Sample : L4711-05
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ClientSampleId : C0BF2

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Quant Title : SVOA CALIBRATION

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

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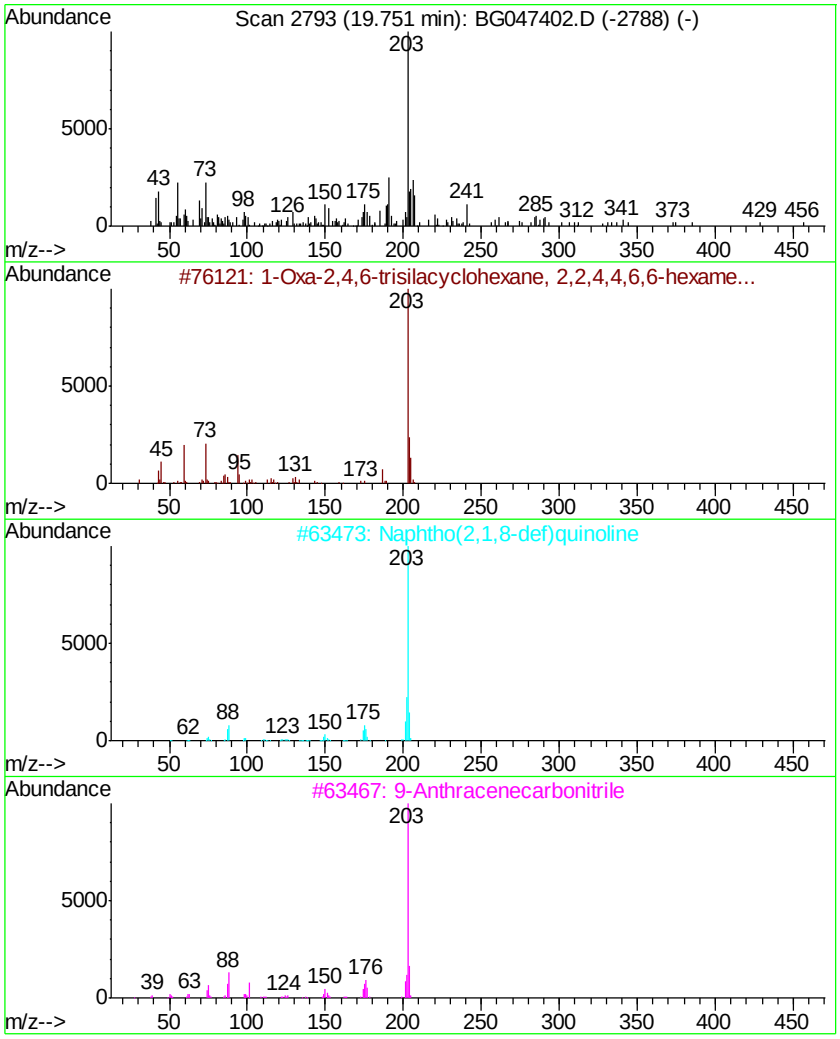
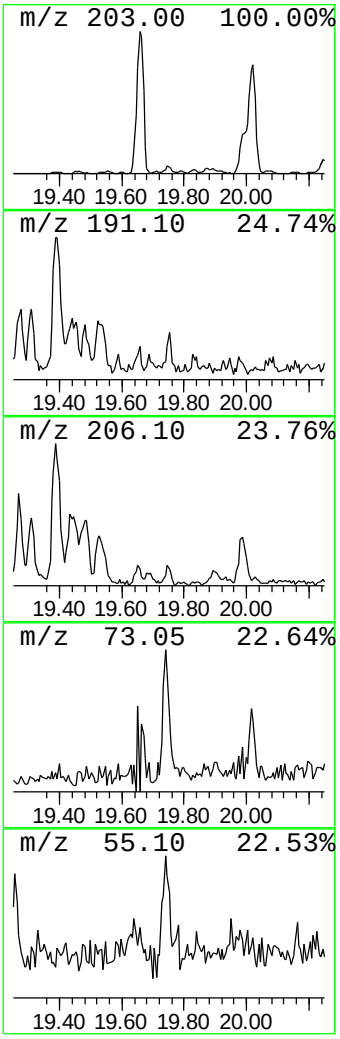
Peak Number 17 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.75	4.05 ng/ul	130767	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Oxa-2,4,6-trisilacyclohexane, ...	218	C8H22OSi3	017520-57-9	47
2	Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	47
3	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	45
4	4-Azapyrene	203	C15H9N	000194-03-6	43
5	3,4-Dichlorophenyl thiocyanate	203	C7H3Cl2NS	003313-77-7	43





Library Search Compound Report

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Acq On : 21 Nov 2020 19:49
Operator : CG/JU
Sample : L4711-05
Misc :
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Instrument : BNA_G
ClientSampleId : C0BF2

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Quant Title : SVOA CALIBRATION

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

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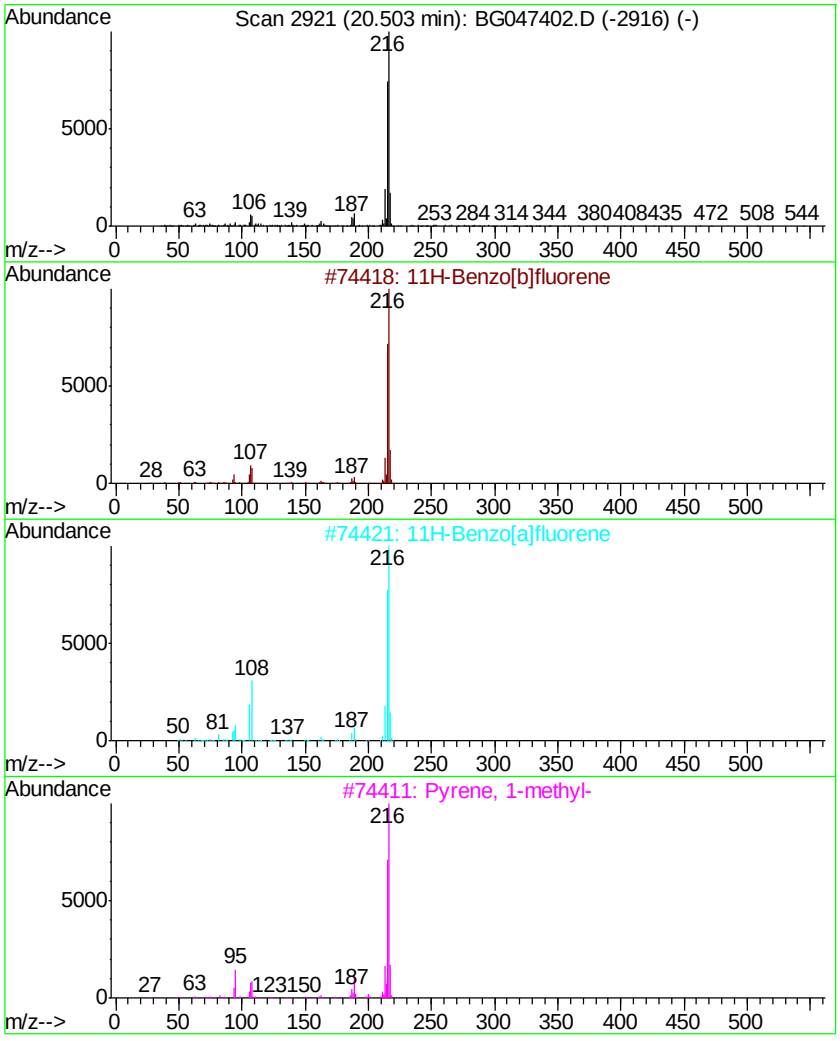
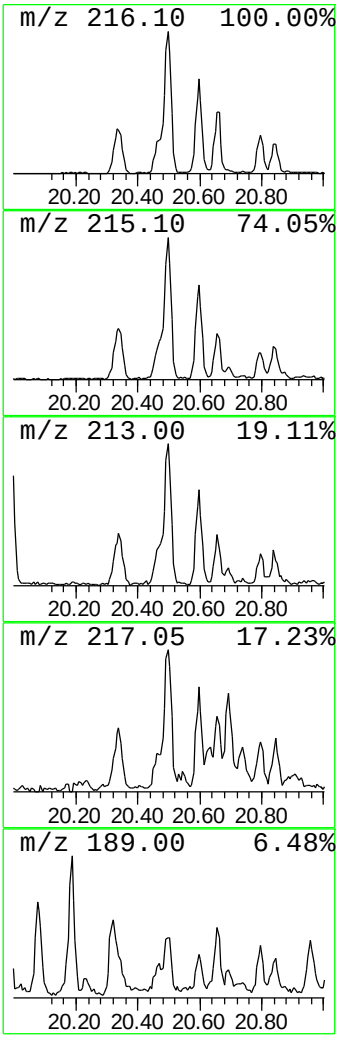
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.50	3.92 ng/ul	559999	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80





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ClientSampleId : C0BF2

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Quant Title : SVOA CALIBRATION

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

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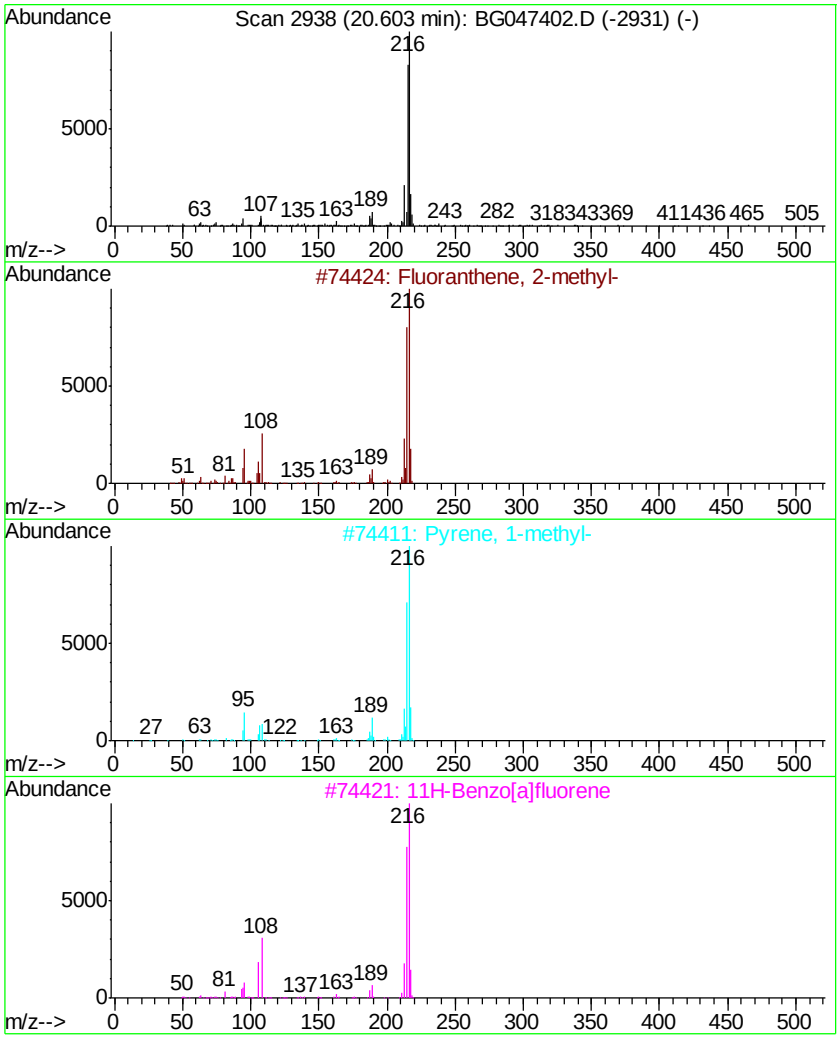
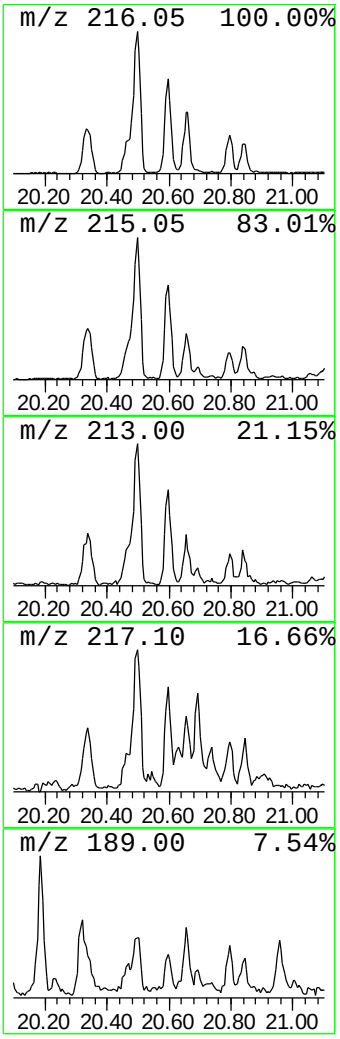
Peak Number 20 Fluoranthene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.60	2.78 ng/ul	397582	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
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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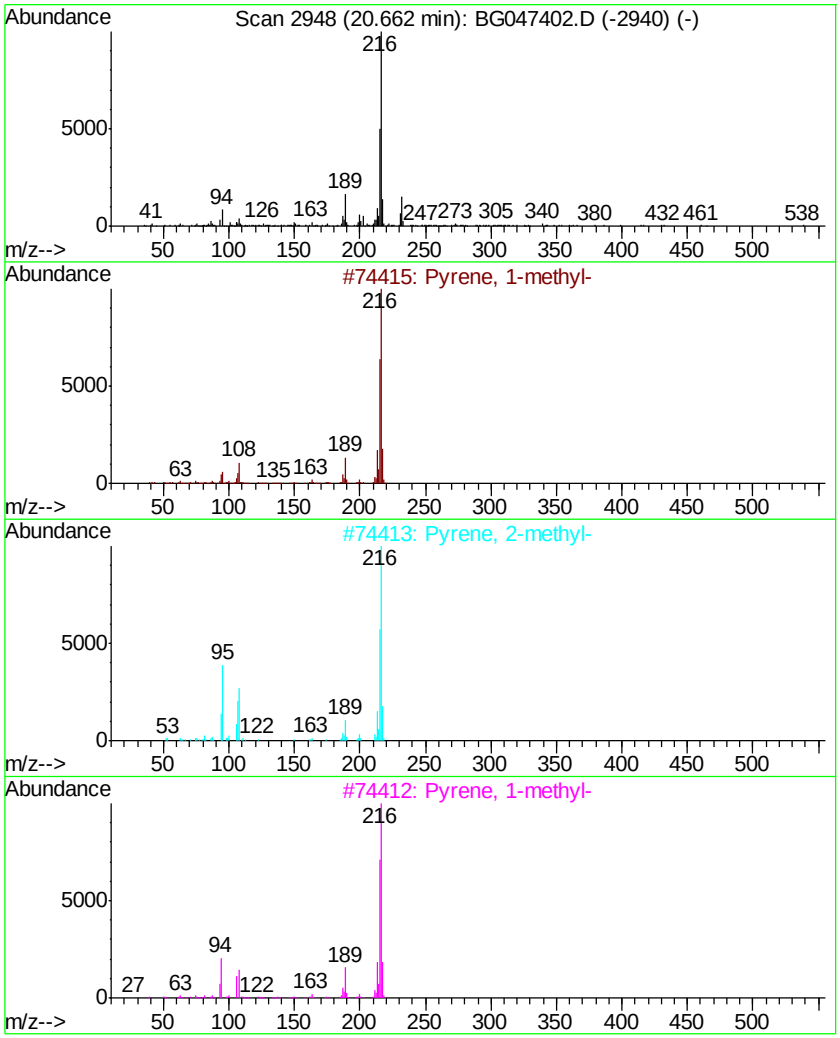
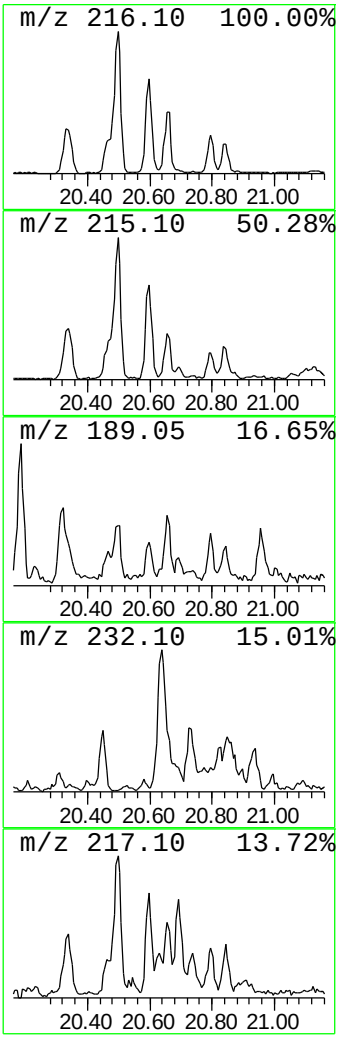
Peak Number 21 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.66	2.98 ng/ul	425361	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76





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ClientSampleId : C0BF2

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Quant Title : SVOA CALIBRATION

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

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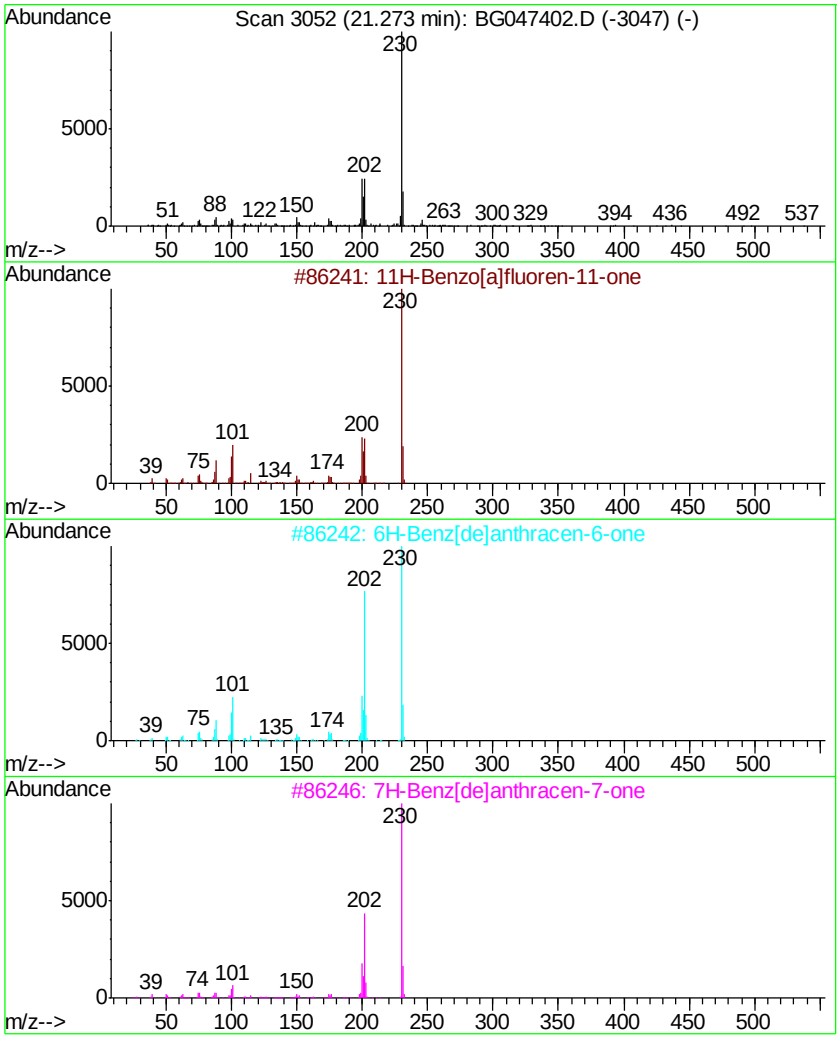
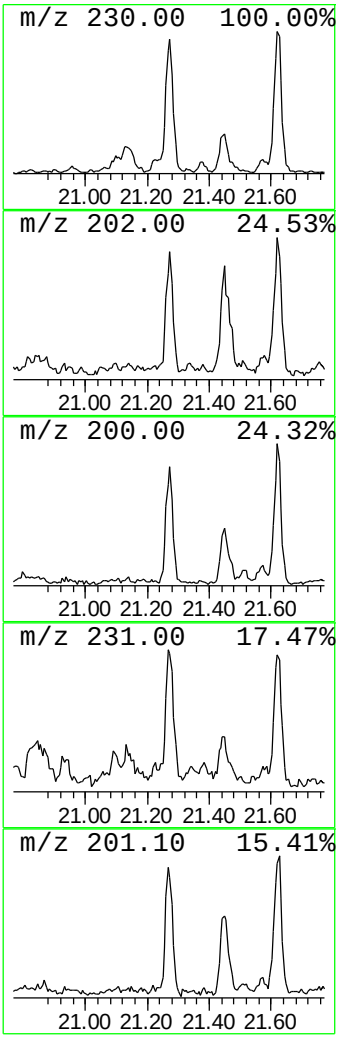
Peak Number 22 11H-Benzo[a]fluoren-11-one Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.27	2.61 ng/ul	373407	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53
5	o-Terphenyl	230	C18H14	000084-15-1	50





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Quant Title : SVOA CALIBRATION

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

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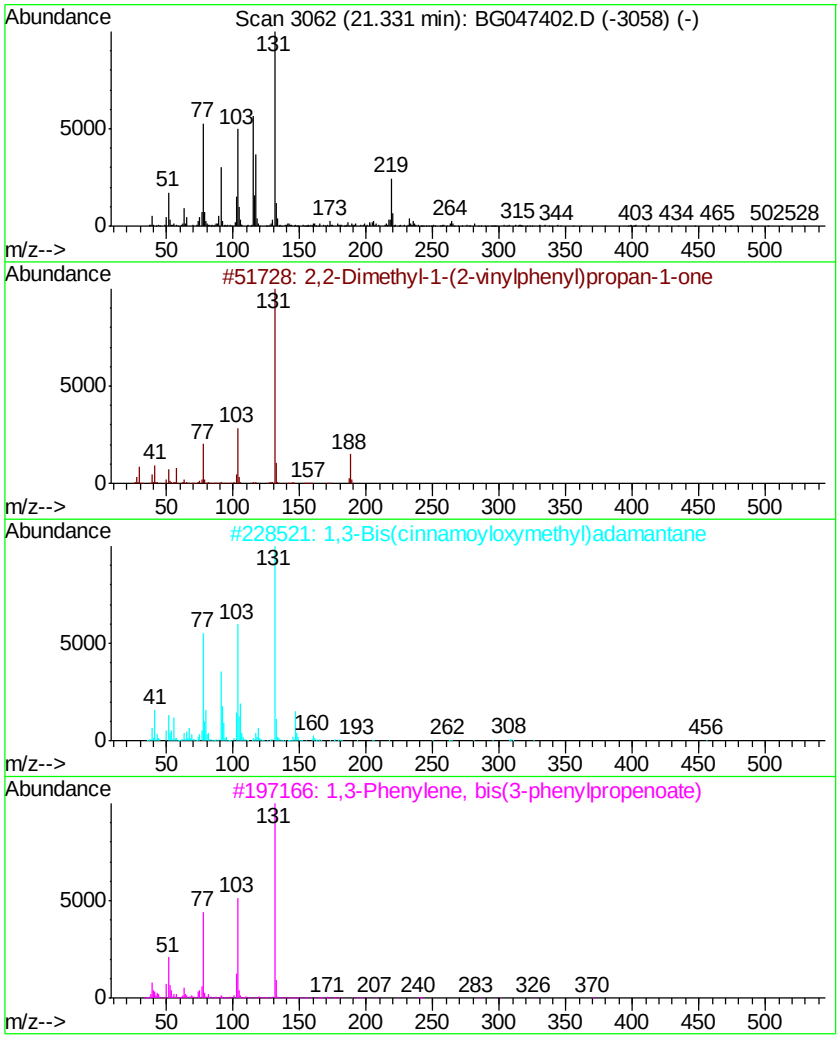
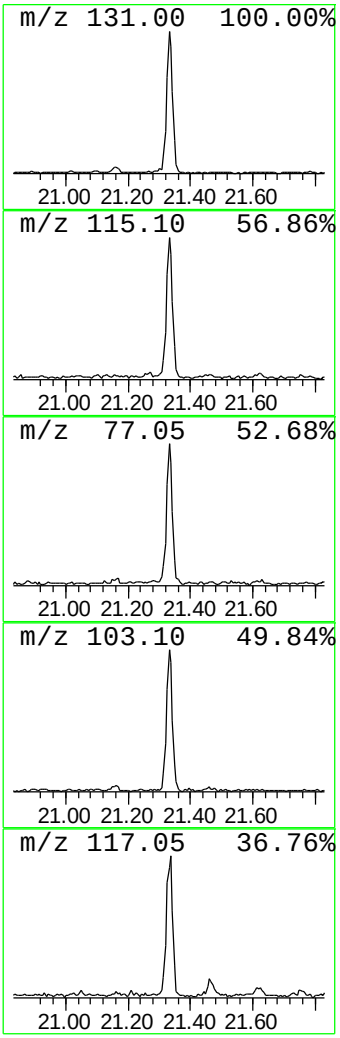
Peak Number 23 unknown-02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.33	3.78 ng/ul	540551	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-(2-vinylphenyl)pr...	188	C13H16O	1000210-99-9	49
2	1,3-Bis(cinnamoyloxymethyl)adama...	456	C30H32O4	303797-58-2	47
3	1,3-Phenylene, bis(3-phenylprope...	370	C24H18O4	1000259-62-4	47
4	Propanedioic acid, nitrile, hydr...	229	C12H11N3O2	294878-35-6	47
5	N-(2-Methyl-1,3-dioxo-5-isoindol...	306	C18H14N2O3	1000224-44-2	47





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Quant Title : SVOA CALIBRATION

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

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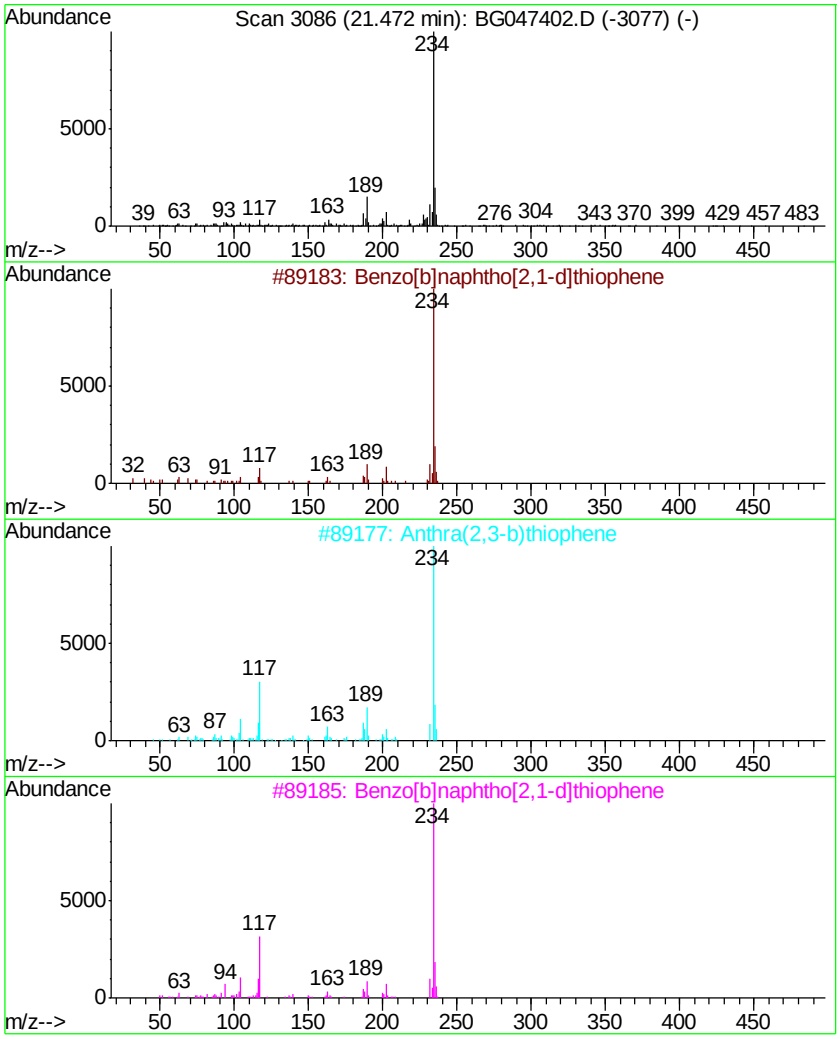
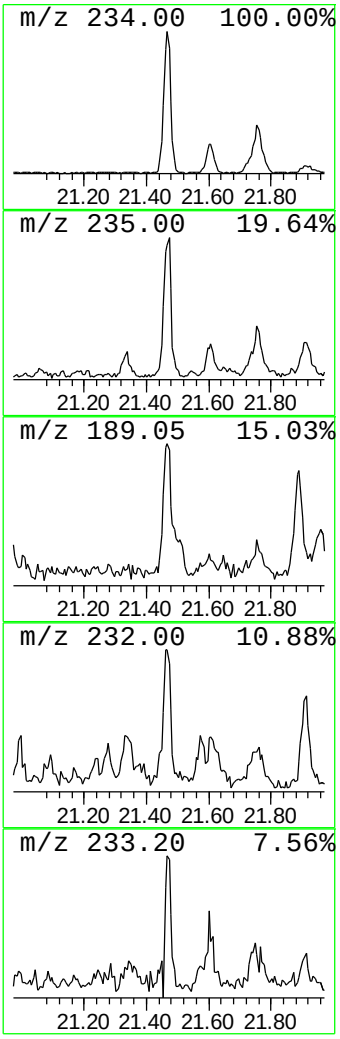
Peak Number 24 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.47	3.78 ng/ul	539771	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91





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Quant Title : SVOA CALIBRATION

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

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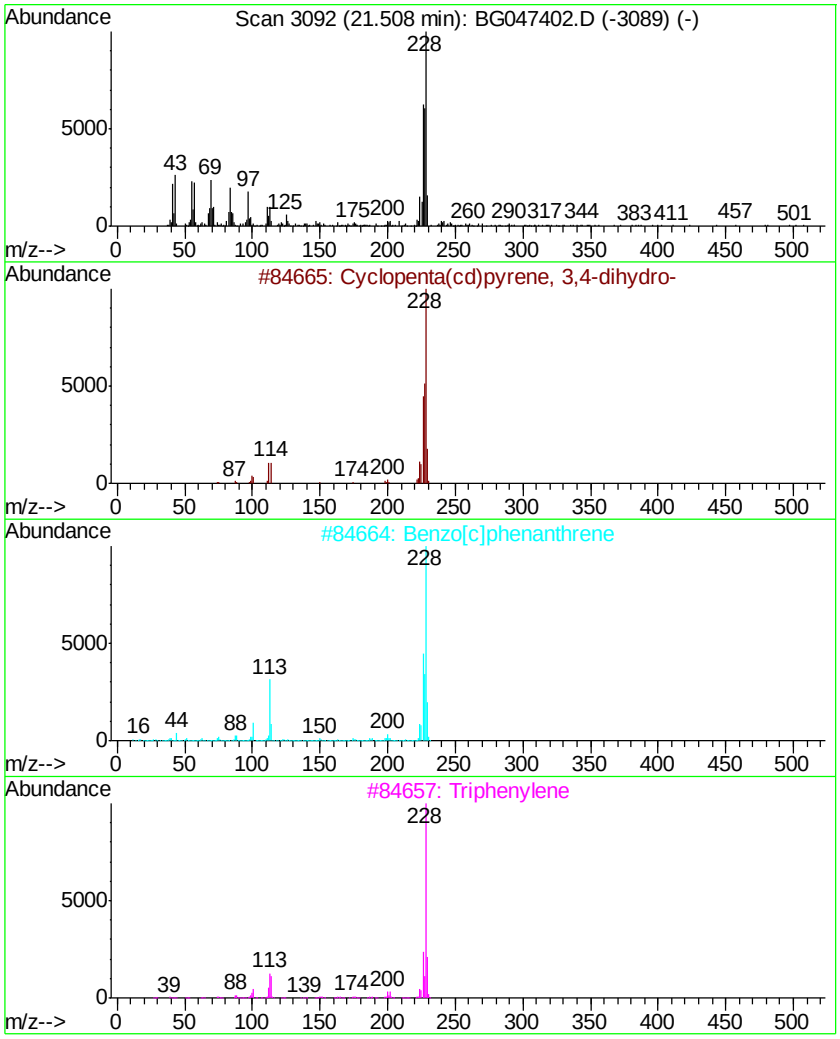
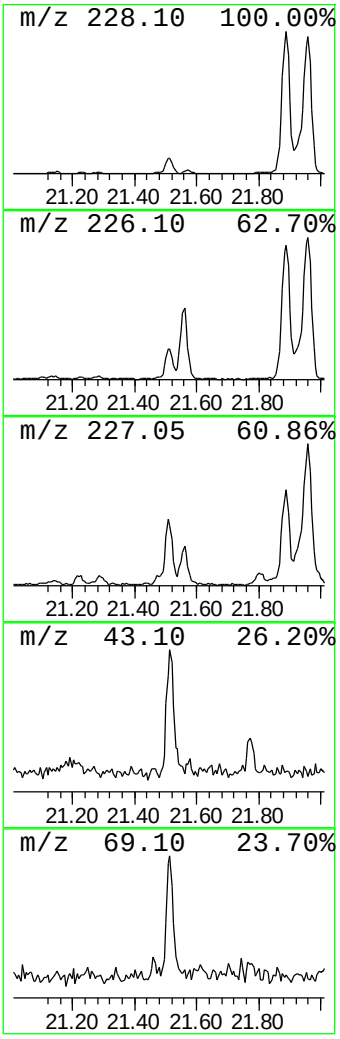
Peak Number 25 unknown-03 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.51	3.60 ng/ul	514457	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
3	Triphenylene	228	C18H12	000217-59-4	43
4	Benz[a]anthracene	228	C18H12	000056-55-3	38
5	Triphenylene	228	C18H12	000217-59-4	38





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Quant Title : SVOA CALIBRATION

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

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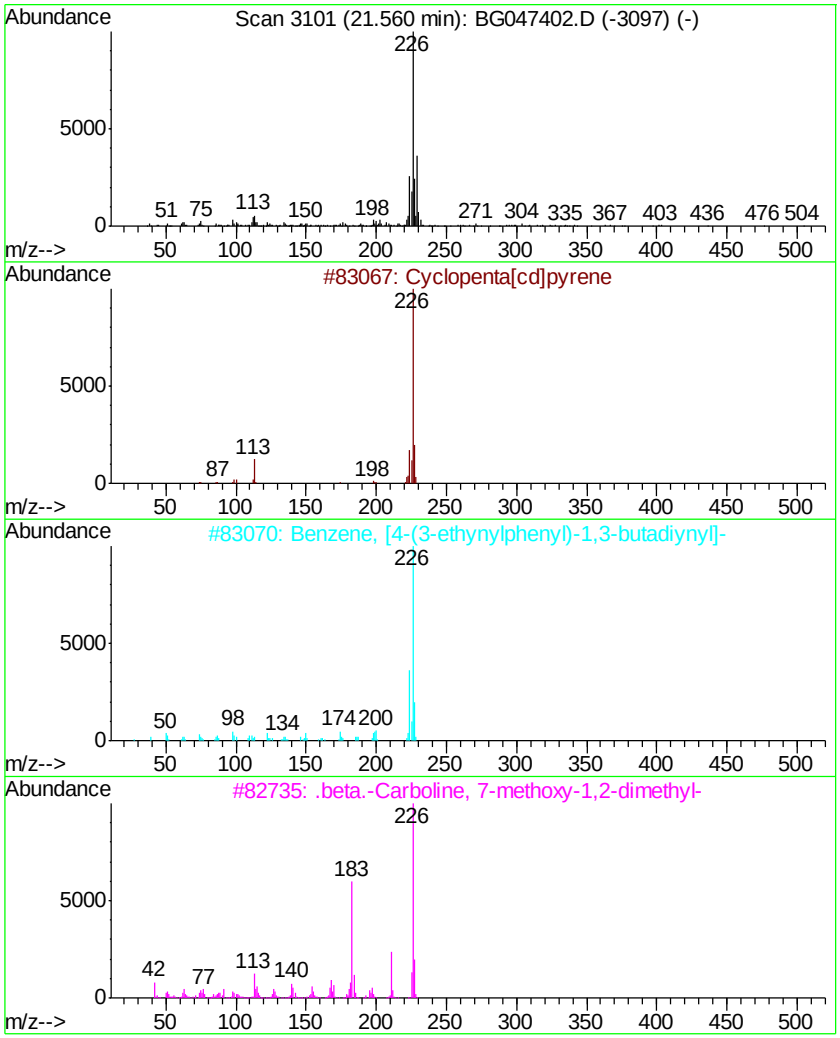
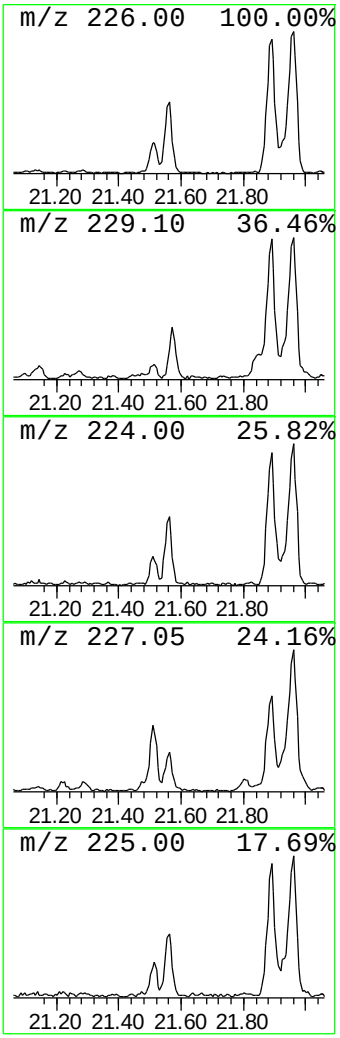
Peak Number 26 Cyclopenta[cd]pyrene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	2.80 ng/ul	399348	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	52
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
4	Selenophene, 2-(methylselenyl)-	226	C5H6Se2	031053-52-8	40
5	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	38





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TIC Integration Parameters: LSCINT.P

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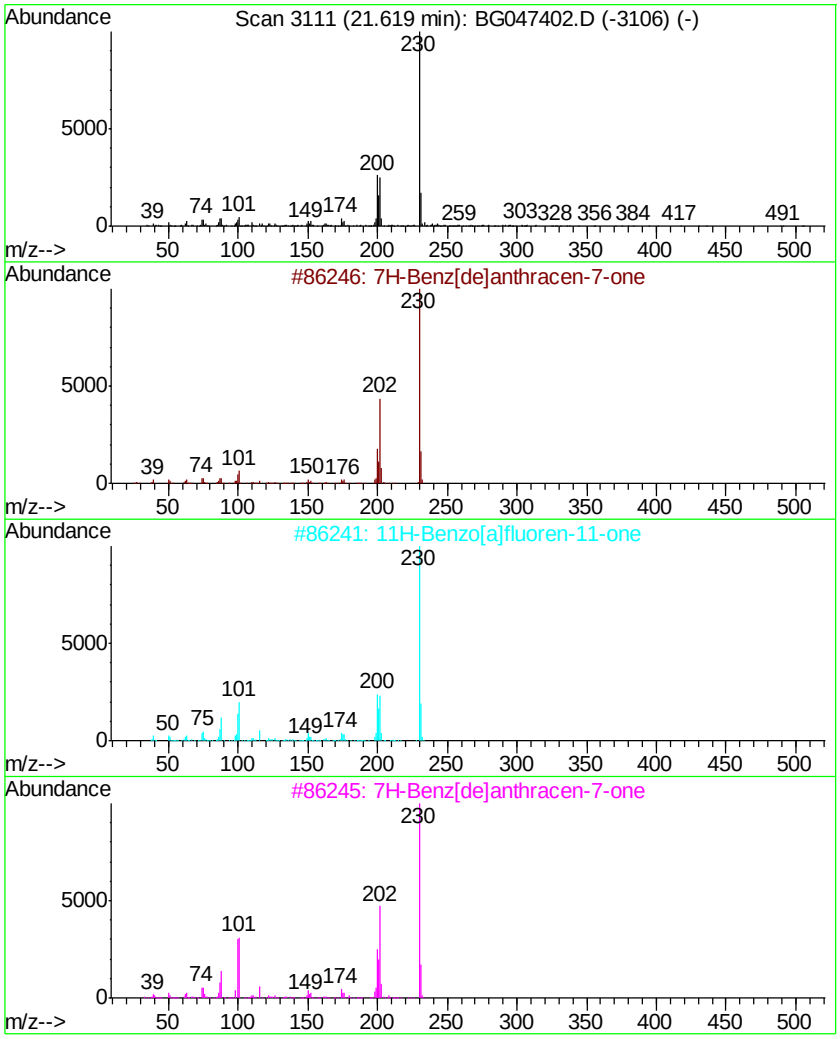
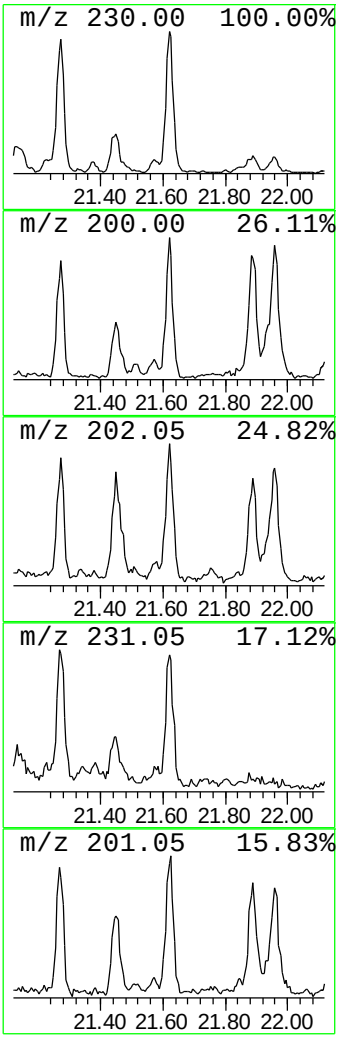
Peak Number 27 7H-Benz[de]anthracen-7-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.62	3.59 ng/ul	513608	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	76
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	59





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Quant Title : SVOA CALIBRATION

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

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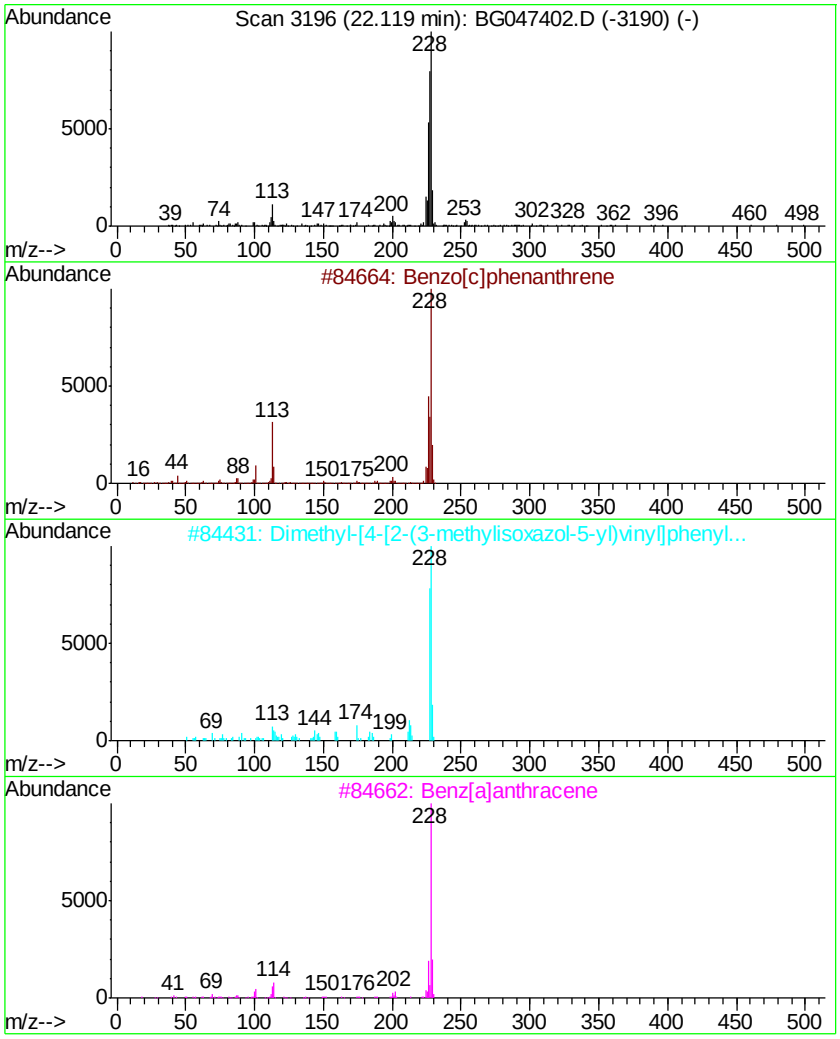
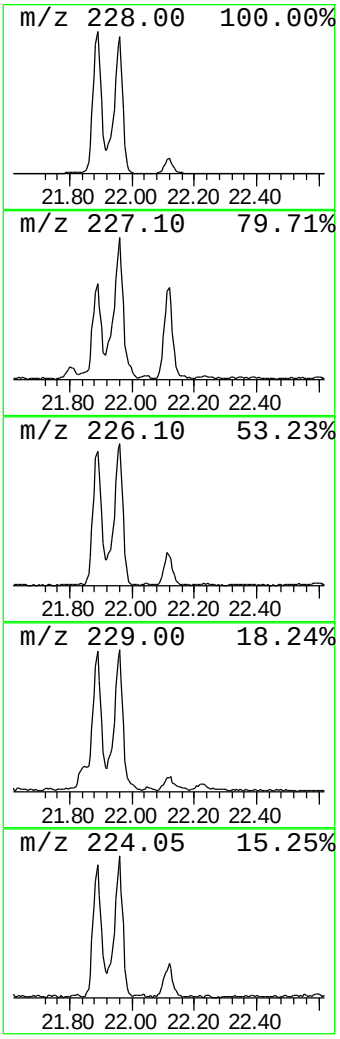
Peak Number 28 unknown-04 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.12	2.35 ng/ul	335511	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	40
3	Benz[a]anthracene	228	C18H12	000056-55-3	38
4	Benz[a]anthracene	228	C18H12	000056-55-3	38
5	Triphenylene	228	C18H12	000217-59-4	35





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Quant Title : SVOA CALIBRATION

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

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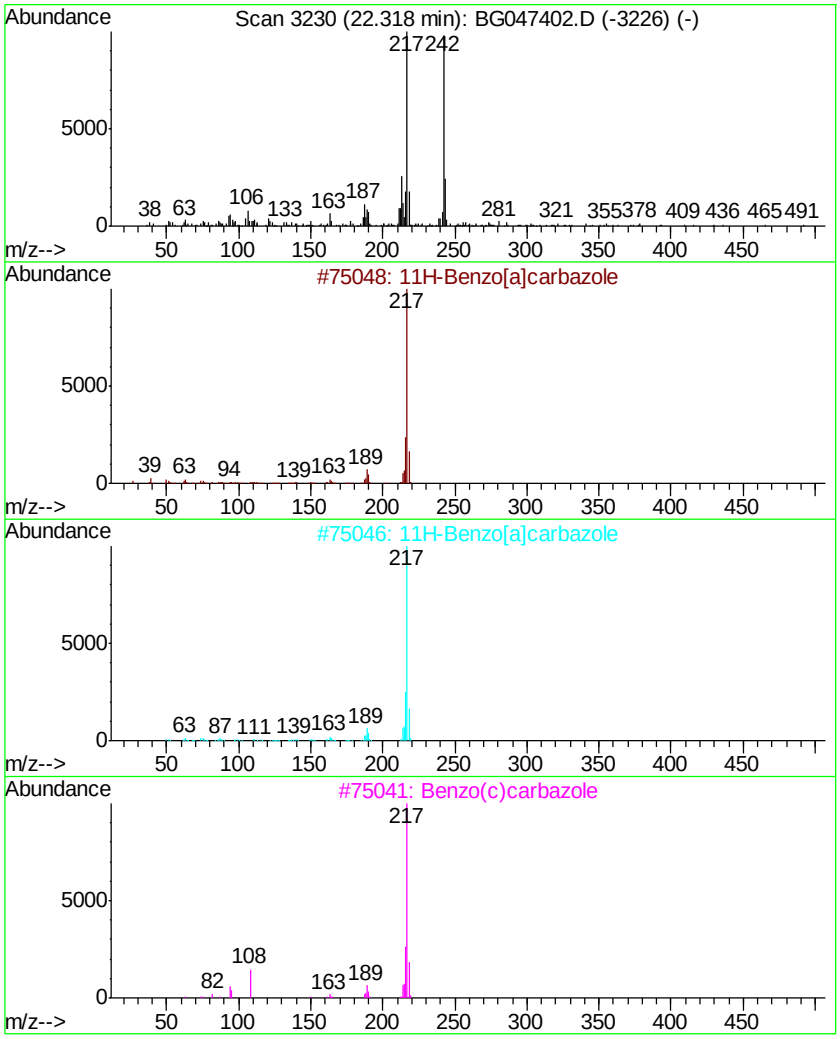
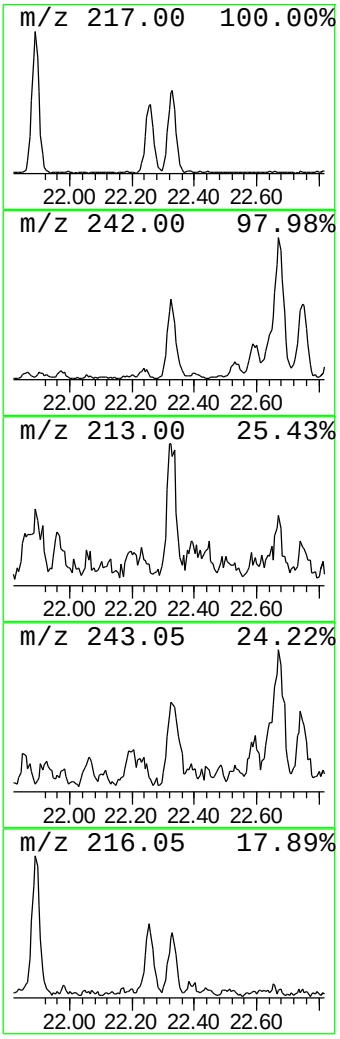
Peak Number 29 unknown-05 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.32	2.31 ng/ul	330614	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	46
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	38
3	Benzo(c)carbazole	217	C16H11N	034777-33-8	38
4	Silane, diphenyl(2,2-dichloroeth...	382	C19H24Cl2O2Si	1000367-57-3	35
5	9H-Xanthen-9-one, 1,3-dihydroxy-...	242	C14H10O4	023366-99-6	35





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Data File : BG047402.D
Acq On : 21 Nov 2020 19:49
Operator : CG/JU
Sample : L4711-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

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

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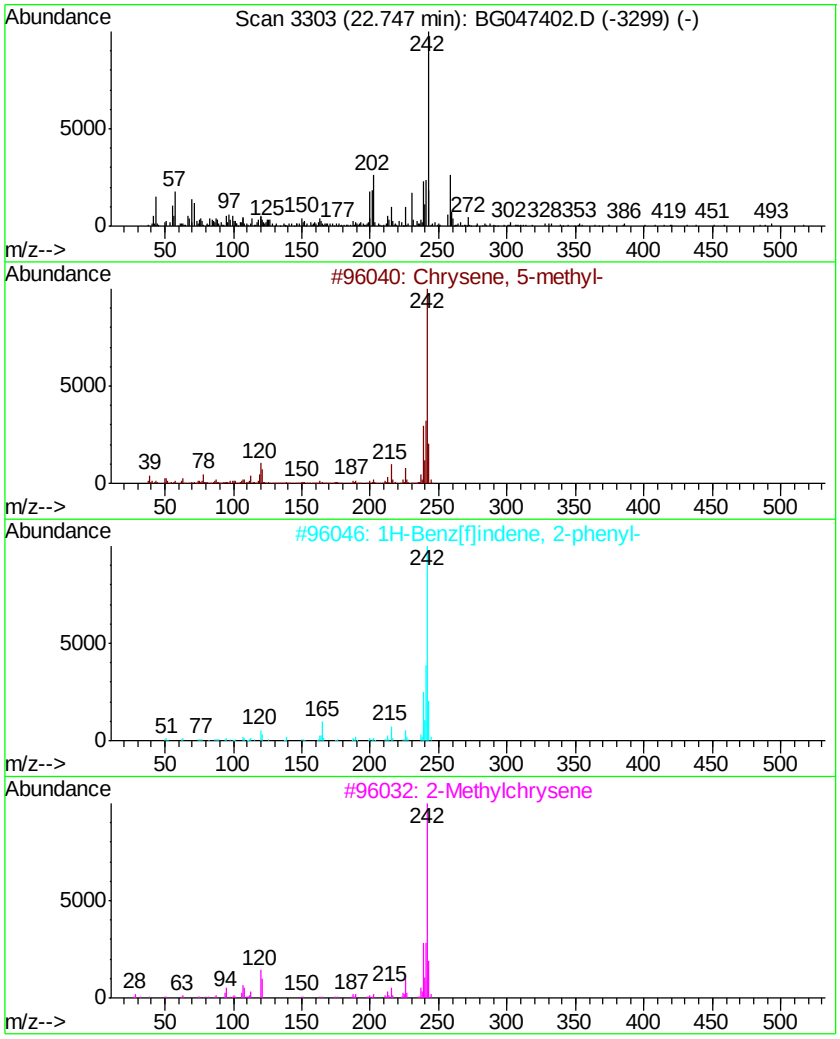
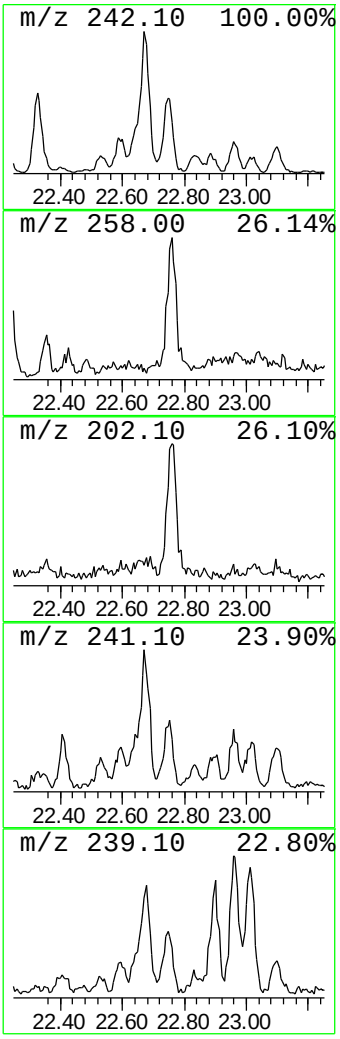
Peak Number 30 unknown-06 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.75	2.66 ng/ul	380701	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 5-methyl-	242	C19H14	003697-24-3	42
2	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	38
3	2-Methylchrysene	242	C19H14	003351-32-4	30
4	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	30
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112120\
Data File : BG047402.D
Acq On : 21 Nov 2020 19:49
Operator : CG/JU
Sample : L4711-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION

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

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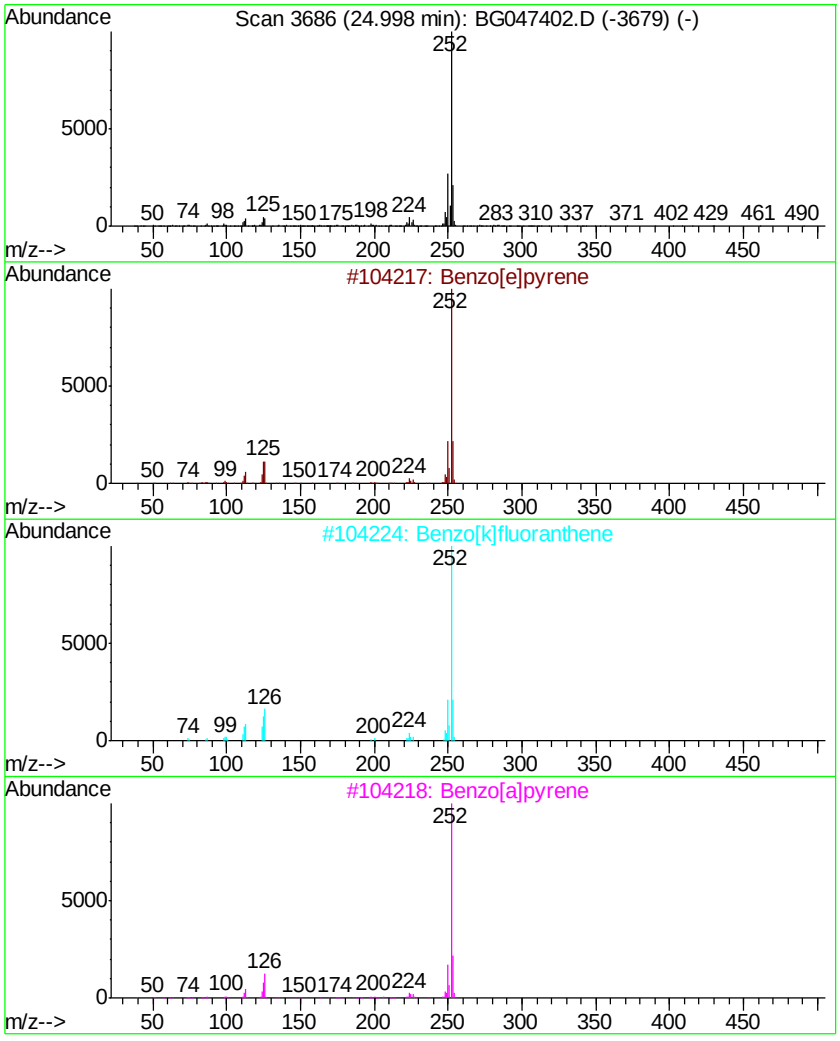
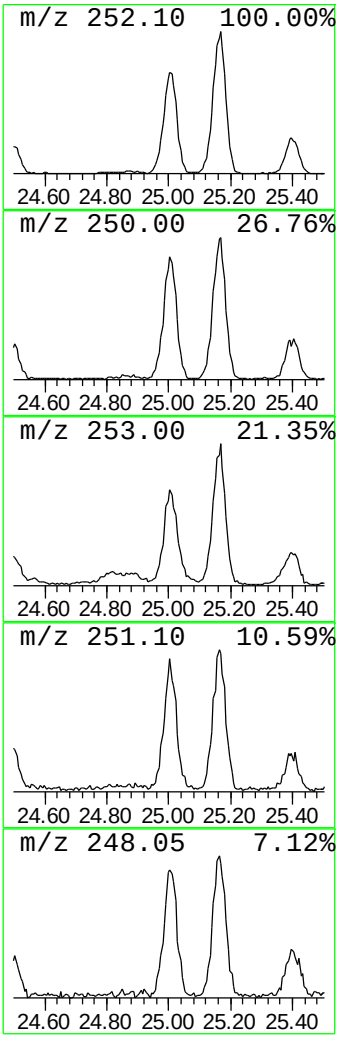
Peak Number 33 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.00	39.80 ng/ul	1107890	Perylene-d12	25.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	87
4	Perylene	252	C20H12	000198-55-0	81
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG112120\
Data File : BG047402.D
Acq On : 21 Nov 2020 19:49
Operator : CG/JU
Sample : L4711-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BF2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.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
.alpha.-Pinene	6.95	10.9	ng/ul	155940	1	8.28	287534	20.0
2,4,7,9-Tetrameth...	13.77	8.0	ng/ul	199633	3	14.89	501137	20.0
Caryophyllene	14.22	21.8	ng/ul	547015	3	14.89	501137	20.0
9H-Fluoren-9-ol	16.21	2.1	ng/ul	53624	3	14.89	501137	20.0
.gamma.-Muurolene	16.34	3.0	ng/ul	96508	4	17.62	645586	20.0
Dibenzothiophene	17.44	2.1	ng/ul	66699	4	17.62	645586	20.0
1H-Indene, 2-phenyl-	18.49	15.8	ng/ul	508338	4	17.62	645586	20.0
Anthracene, 9-met...	18.54	10.3	ng/ul	331516	4	17.62	645586	20.0
Phenanthrene, 1-m...	18.62	3.9	ng/ul	124191	4	17.62	645586	20.0
4H-Cyclopenta[def...	18.69	14.9	ng/ul	479968	4	17.62	645586	20.0
5,16[1',2']:8,13[...	18.98	7.6	ng/ul	245217	4	17.62	645586	20.0
9,10-Anthracenedione	19.02	9.8	ng/ul	317227	4	17.62	645586	20.0
Phenanthrene, 4,5...	19.22	2.2	ng/ul	70391	4	17.62	645586	20.0
Phenanthrene, 2,7...	19.27	2.3	ng/ul	72720	4	17.62	645586	20.0
di-p-Tolylacetylene	19.39	4.8	ng/ul	154098	4	17.62	645586	20.0
Cyclopenta(def)ph...	19.53	5.6	ng/ul	181958	4	17.62	645586	20.0
unknown-01	19.75	4.0	ng/ul	130767	4	17.62	645586	20.0
11H-Benzo[b]fluorene	20.50	3.9	ng/ul	559999	5	21.91	2857500	20.0
Fluoranthene, 2-m...	20.60	2.8	ng/ul	397582	5	21.91	2857500	20.0
Pyrene, 1-methyl-	20.66	3.0	ng/ul	425361	5	21.91	2857500	20.0
11H-Benzo[a]fluor...	21.27	2.6	ng/ul	373407	5	21.91	2857500	20.0
unknown-02	21.33	3.8	ng/ul	540551	5	21.91	2857500	20.0
Benzo[b]naphtho[2...	21.47	3.8	ng/ul	539771	5	21.91	2857500	20.0
unknown-03	21.51	3.6	ng/ul	514457	5	21.91	2857500	20.0
Cyclopenta[cd]pyrene	21.56	2.8	ng/ul	399348	5	21.91	2857500	20.0
7H-Benz[de]anthra...	21.62	3.6	ng/ul	513608	5	21.91	2857500	20.0
unknown-04	22.12	2.4	ng/ul	335511	5	21.91	2857500	20.0
unknown-05	22.32	2.3	ng/ul	330614	5	21.91	2857500	20.0
unknown-06	22.75	2.7	ng/ul	380701	5	21.91	2857500	20.0
Benzo[e]pyrene	25.00	39.8	ng/ul	1107890	6	25.31	556731	20.0