LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.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	2.898	7	10	16	rVB5	8411	11397	0.61%	0.056%
2	3.127	43	49	53	rBV	93448	173020	9.28%	0.848%
3	3.209	58	63	69	rVV	566542	823057	44.16%	4.033%
4	3.462	101	106	118	rVB2	65853	121044	6.49%	0.593%
5	3.938	182	187	192	rVB3	11999	18605	1.00%	0.091%
6	4.038	199	204	211	rBV2	62575	89740	4.81%	0.440%
7	4.114	211	217	225	rVV2	8358	14326	0.77%	0.070%
8	4.279	241	245	250	rVB3	4410	6780	0.36%	0.033%
9	4.502	278	283	290	rVB2	37901	53423	2.87%	0.262%
10	4.825	332	338	348	rVB2	160175	272049	14.60%	1.333%
11	4.931	350	356	362	rVV2	24132	38237	2.05%	0.187%
12	5.225	401	406	410	rBV4	3839	6057	0.32%	0.030%
13	5.313	415	421	427	rBV2	12356	19594	1.05%	0.096%
14	5.448	439	444	448	rBV4	4122	6619	0.36%	0.032%
15	7.328	757	764	772	rBV	119337	205047	11.00%	1.005%
16	7.493	786	792	800	rVV	92798	153871	8.26%	0.754%
17	7.704	822	828	836	rVB	115041	201676	10.82%	0.988%
18	8.180	900	909	916	rBV	151846	262793	14.10%	1.288%
19	8.885	1023	1029	1037	rVB	72686	126805	6.80%	0.621%
20	9.349	1100	1108	1115	rBV	131801	233609	12.53%	1.145%
21	10.078	1225	1232	1241	rVB2	122460	215895	11.58%	1.058%
22	10.284	1265	1267	1274	rVB2	2679	4604	0.25%	0.023%
23	10.624	1318	1325	1334	rBV	173401	301698	16.19%	1.478%
24	10.765	1345	1349	1352	rVB3	2978	4317	0.23%	0.021%
25	11.006	1384	1390	1397	rVV	213561	387426	20.79%	1.898%
26	11.053	1397	1398	1406	rVV2	10219	11279	0.61%	0.055%
27	11.141	1406	1413	1421	rVV	85374	164872	8.85%	0.808%
28	11.817	1523	1528	1534	rVB5	7730	14188	0.76%	0.070%
29	12.399	1620	1627	1630	rVB5	3122	5657	0.30%	0.028%
30	12.581	1654	1658	1664	rBV4	4457	7829	0.42%	0.038%
31	12.651	1666	1670	1675	rVB	6739	10309	0.55%	0.051%
32	12.869	1701	1707	1712	rBV2	6921	11221	0.60%	0.055%
33	13.168	1752	1758	1762	rBV2	8782	14054	0.75%	0.069%
34	13.409	1793	1799	1806	rBV6	14873	27876	1.50%	0.137%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Title : SVOA CALIBRATION

35	13.979	1886	1896	1902	rBV3	4788	11335	0.61%	0.056%
36	14.132	1914	1922	1927	rVB3	10781	18153	0.97%	0.089%
37	14.202	1927	1934	1938	rBV	344051	508134	27.26%	2.490%
38	14.249	1938	1942	1949	rVV	171860	244046	13.09%	1.196%
39	14.326	1951	1955	1958	rVB5	5617	7697	0.41%	0.038%
40	14.361	1958	1961	1966	rBV3	4216	4985	0.27%	0.024%
41	14.432	1968	1973	1978	rBV4	4268	6949	0.37%	0.034%
42	14.508	1978	1986	1996	rBV	339733	545160	29.25%	2.671%
43	14.678	2012	2015	2020	rBV4	8566	12489	0.67%	0.061%
44	14.813	2024	2038	2044	rBV2	368479	624874	33.52%	3.062%
45	14.872	2044	2048	2053	rVB3	23248	33359	1.79%	0.163%
46	14.996	2063	2069	2080	rBV	148457	241629	12.96%	1.184%
47	15.095	2081	2086	2087	rBV4	3118	5202	0.28%	0.025%
48	15.143	2091	2094	2099	rVB5	6894	7970	0.43%	0.039%
49	15.195	2099	2103	2112	rVB4	24857	44374	2.38%	0.217%
50	15.278	2113	2117	2123	rVB4	9631	12566	0.67%	0.062%
51	15.372	2125	2133	2136	rVB7	4350	8260	0.44%	0.040%
52	15.430	2136	2143	2147	rBV9	17216	40889	2.19%	0.200%
53	15.577	2162	2168	2169	rBV2	9078	10872	0.58%	0.053%
54	15.624	2173	2176	2181	rVB2	27382	34543	1.85%	0.169%
55	15.795	2199	2205	2211	rBV	478600	710578	38.12%	3.482%
56	15.848	2211	2214	2219	rVV5	20460	36500	1.96%	0.179%
57	15.900	2219	2223	2232	rVB	150564	230426	12.36%	1.129%
58	16.141	2259	2264	2269	rVB5	12017	21317	1.14%	0.104%
59	16.247	2279	2282	2285	rBV5	6930	9233	0.50%	0.045%
60	16.282	2286	2288	2295	rVB6	11810	21593	1.16%	0.106%
61	16.347	2298	2299	2302	rBV3	6436	7826	0.42%	0.038%
62	16.482	2319	2322	2325	rBV3	31195	42446	2.28%	0.208%
63	16.605	2340	2343	2344	rBV3	4416	4575	0.25%	0.022%
64	16.829	2377	2381	2383	rBV4	9980	16216	0.87%	0.079%
65	16.893	2389	2392	2394	rBV4	5616	7714	0.41%	0.038%
66	17.199	2440	2444	2450	rVB4	29232	48424	2.60%	0.237%
67	17.275	2453	2457	2462	rBV3	35464	47808	2.56%	0.234%
68	17.369	2470	2473	2479	rVB	21788	31943	1.71%	0.157%
69	17.551	2497	2504	2507	rBV	549312	816358	43.80%	4.000%
70	17.593	2507	2511	2516	rVB	402156	558629	29.97%	2.737%
71	17.651	2516	2521	2525	rBV2	484403	751137	40.30%	3.681%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Title : SVOA CALIBRATION

72	17.951	2569	2572	2576	rVB	27649	37122	1.99%	0.182%
73	18.016	2579	2583	2588	rVB7	18612	29733	1.60%	0.146%
74	18.063	2588	2591	2595	rBV4	15695	20188	1.08%	0.099%
75	18.421	2647	2652	2656	rBV	95294	145311	7.80%	0.712%
76	18.468	2656	2660	2666	rVB	106161	169666	9.10%	0.831%
77	18.550	2670	2674	2678	rBV2	30882	50613	2.72%	0.248%
78	18.615	2679	2685	2689	rBV2	94212	199118	10.68%	0.976%
79	18.721	2697	2703	2704	rBV5	16761	32317	1.73%	0.158%
80	18.909	2731	2735	2739	rBV	59167	83957	4.50%	0.411%
81	18.956	2739	2743	2748	rVB	54141	82816	4.44%	0.406%
82	19.155	2774	2777	2781	rVB4	35971	44116	2.37%	0.216%
83	19.202	2782	2785	2788	rVB2	24974	29544	1.59%	0.145%
84	19.326	2801	2806	2811	rBV	85986	127683	6.85%	0.626%
85	19.467	2825	2830	2836	rBV2	59960	111705	5.99%	0.547%
86	19.590	2846	2851	2857	rVB	906851	1205876	64.70%	5.909%
87	19.925	2902	2908	2910	rBV2	758753	1169633	62.75%	5.731%
88	19.955	2910	2913	2919	rVV	817667	1115876	59.87%	5.468%
89	20.019	2920	2924	2929	rVB4	61479	101269	5.43%	0.496%
90	20.219	2955	2958	2961	rVB2	41873	39750	2.13%	0.195%
91	20.254	2961	2964	2973	rVB6	146650	267965	14.38%	1.313%
92	20.736	3043	3046	3050	rBV	70075	94462	5.07%	0.463%
93	21.206	3122	3126	3131	rBV	123095	187707	10.07%	0.920%
94	21.441	3162	3166	3170	rBV2	116654	152655	8.19%	0.748%
95	21.547	3180	3184	3193	rVB	110546	198760	10.66%	0.974%
96	21.829	3224	3232	3237	rBV2	760404	1863916	100.00%	9.134%
97	21.876	3237	3240	3252	rVB	400907	696057	37.34%	3.411%
98	24.114	3613	3621	3628	rBV2	257115	866535	46.49%	4.246%
99	24.949	3757	3763	3770	rBV	260650	613328	32.91%	3.005%
100	25.184	3795	3803	3811	rBV2	306367	864530	46.38%	4.236%

Sum of corrected areas: 20407391

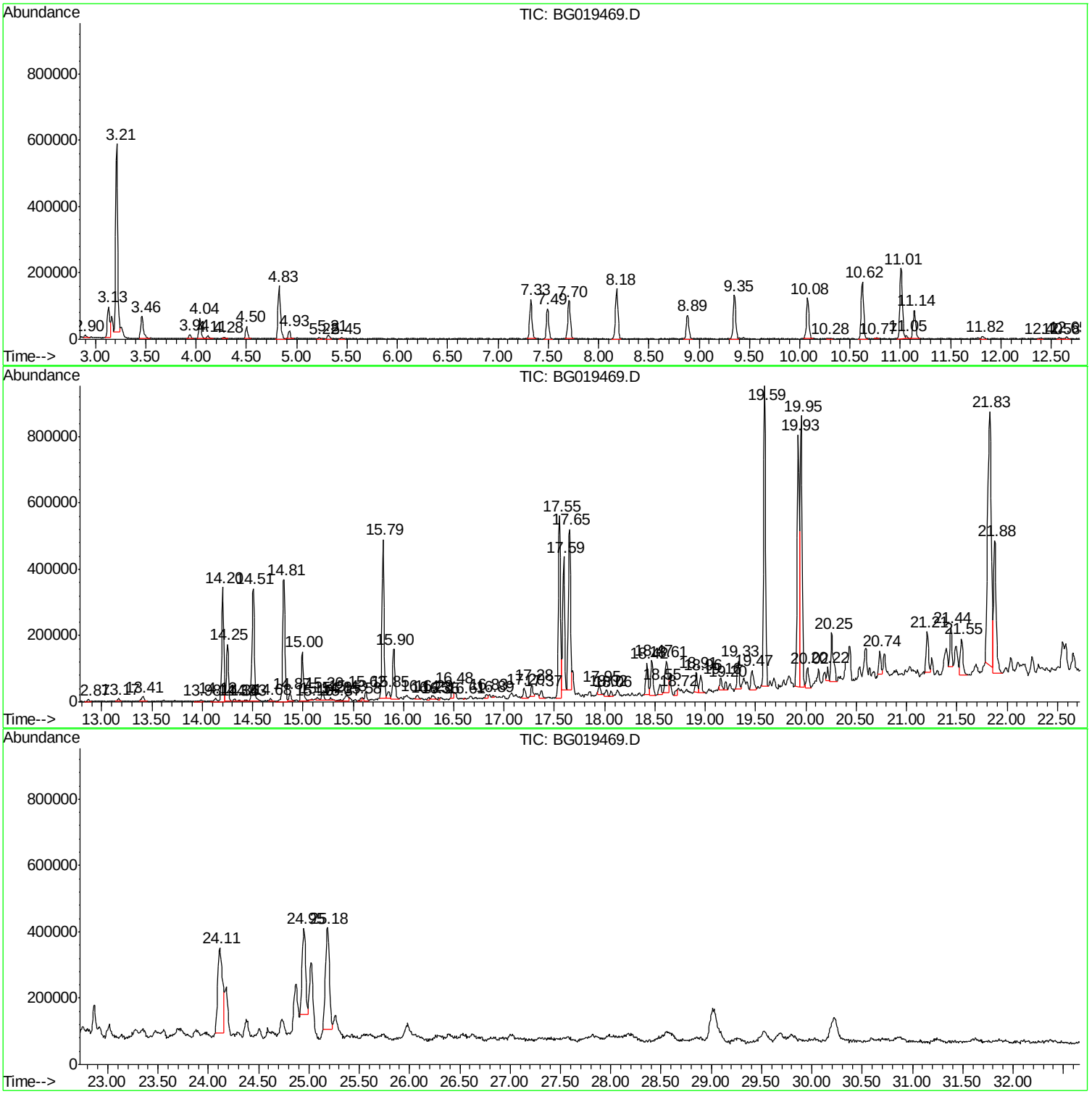
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

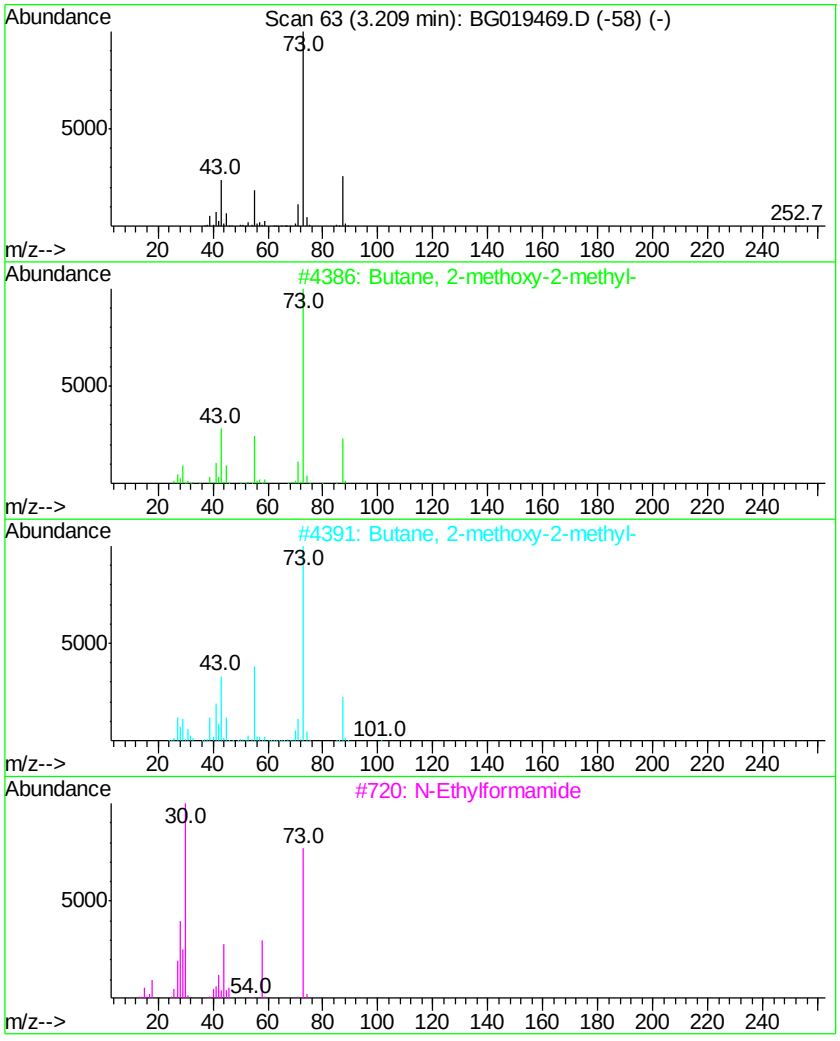
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

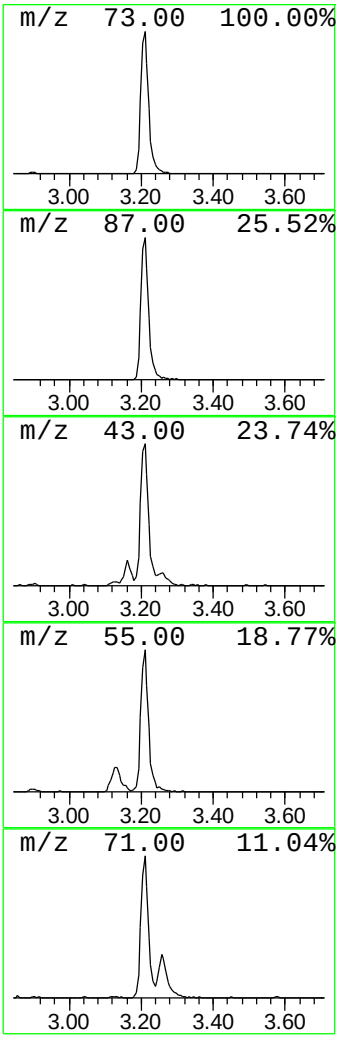
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.21	62.64 ng/ul	823057	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	56
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	1,3-Dioxolane, 2-pentadecyl-	284	C18H36O2	004360-57-0	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

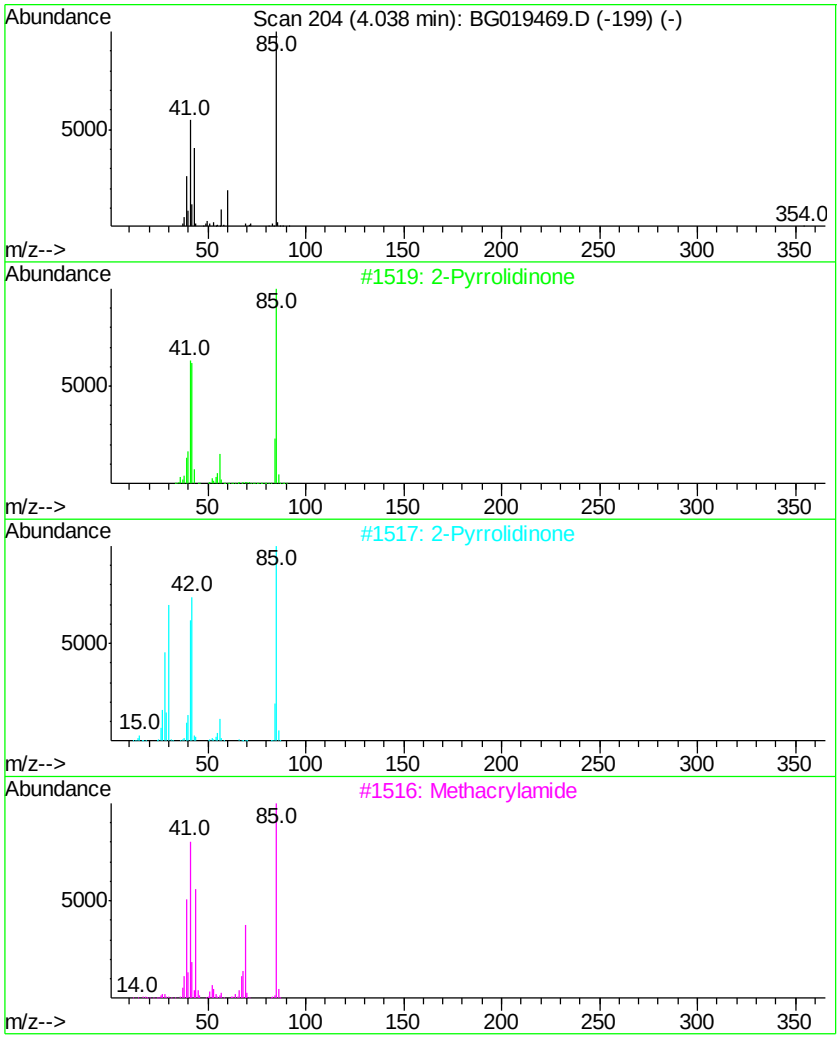
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

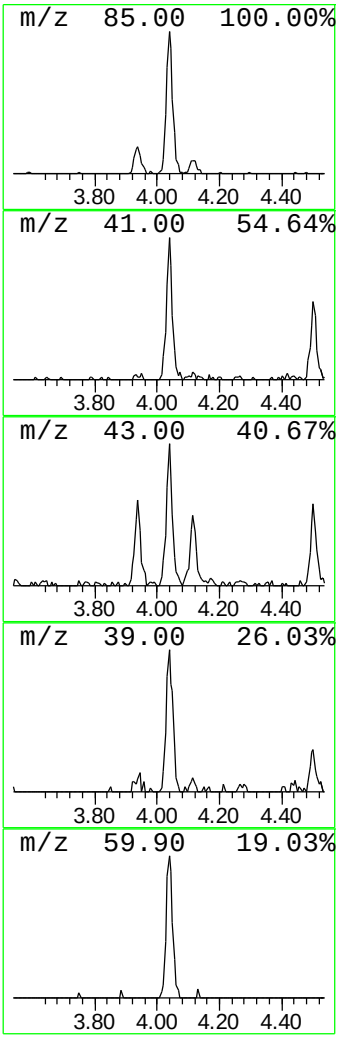
****

Peak Number 3 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.04	6.83 ng/ul	89740	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	28
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
3	Methacrylamide	85	C4H7NO	000079-39-0	9
4	Methacrylamide	85	C4H7NO	000079-39-0	9
5	1-Amino-2-butanol	89	C4H11NO	013552-21-1	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

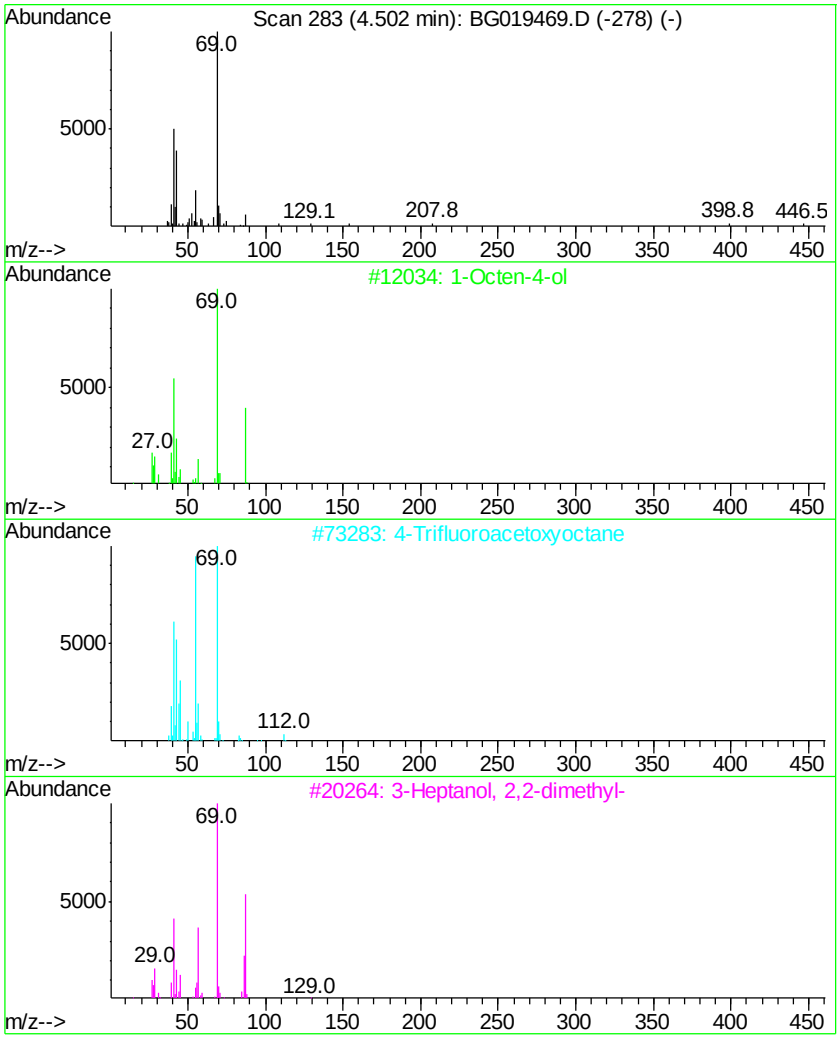
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

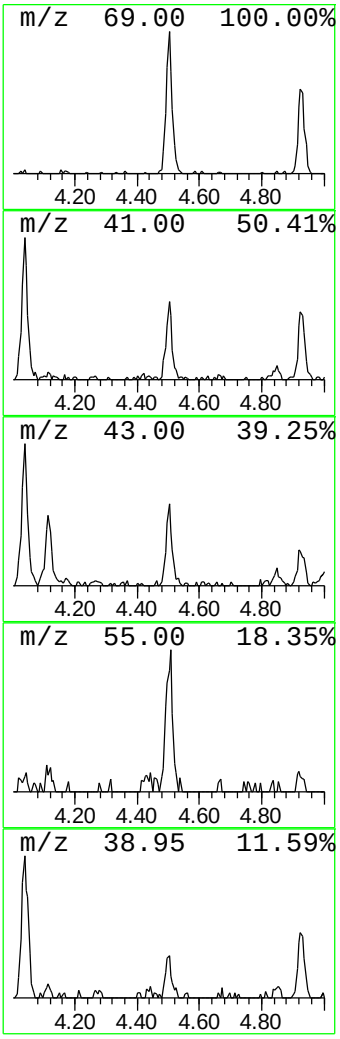
****

Peak Number 4 1-Octen-4-ol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.50	4.07 ng/ul	53423	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octen-4-ol	128	C8H16O	040575-42-6	56
2	4-Trifluoroacetoxyoctane	226	C10H17F3O2	116465-17-9	39
3	3-Heptanol, 2,2-dimethyl-	144	C9H20O	019549-70-3	38
4	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	36
5	3-Butyn-2-ol, 2-methyl-	84	C5H8O	000115-19-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

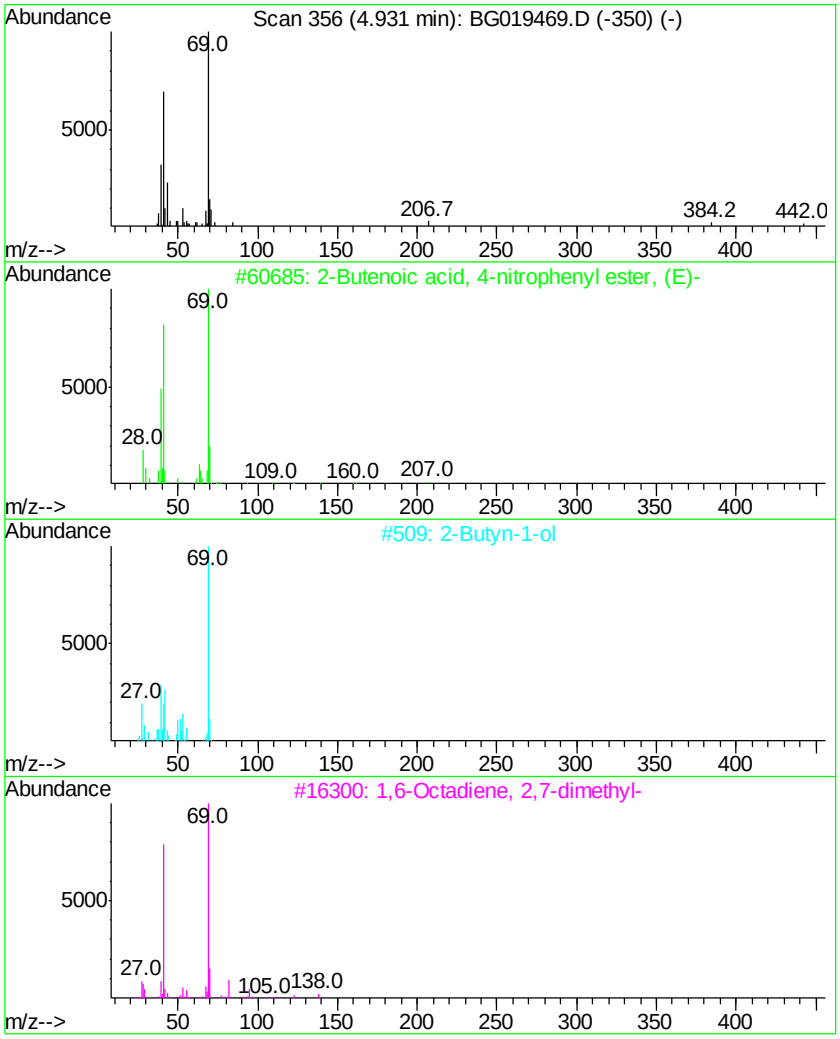
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

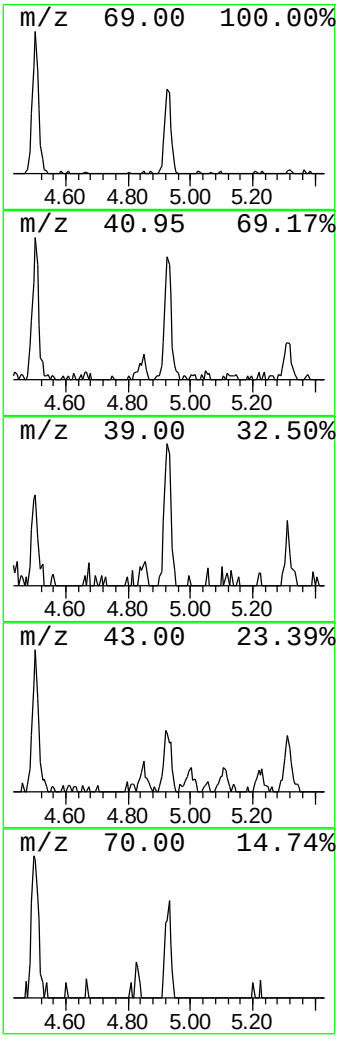
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 2-Butenoic acid, 4-nitrophe... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	2.91 ng/ul	38237	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenoic acid, 4-nitrophenyl e...	207	C10H9NO4	014617-88-0	59
2	2-Butyn-1-ol	70	C4H6O	000764-01-2	50
3	1,6-Octadiene, 2,7-dimethyl-	138	C10H18	040195-09-3	45
4	3-Penten-1-ol, 2-methyl-	100	C6H12O	062238-37-3	40
5	1,5-Heptadiene, 3,3,5-trimethyl-	138	C10H18	074630-29-8	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

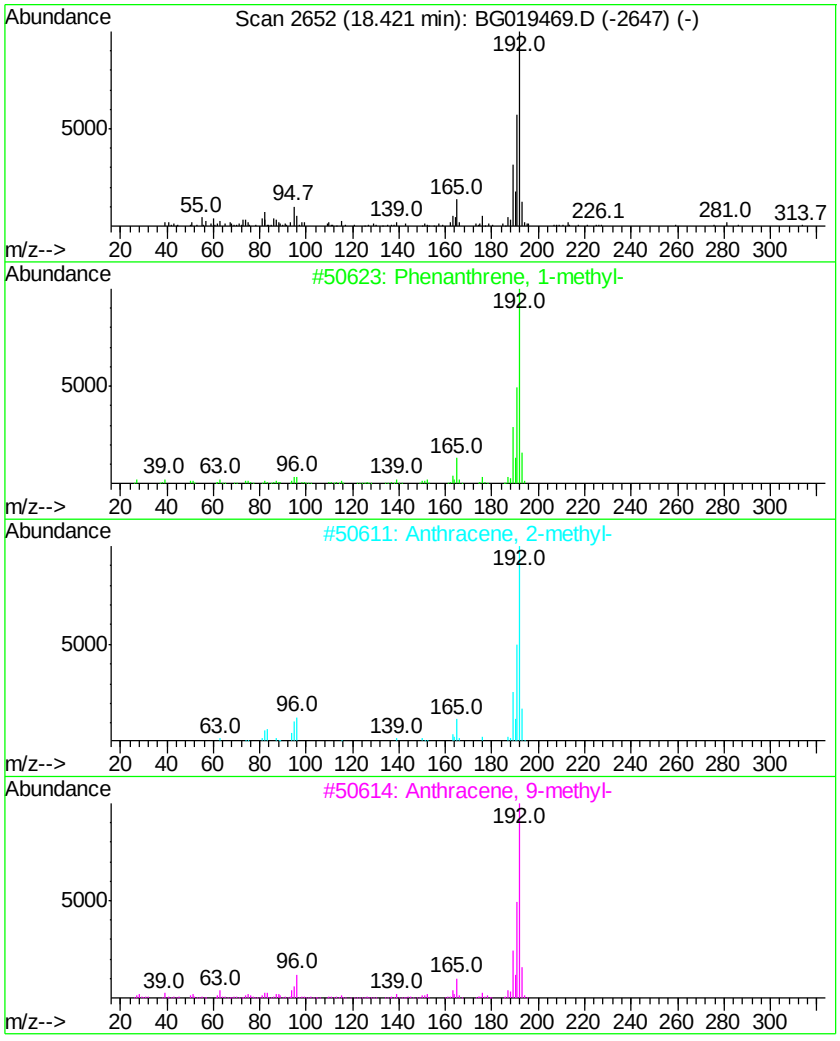
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

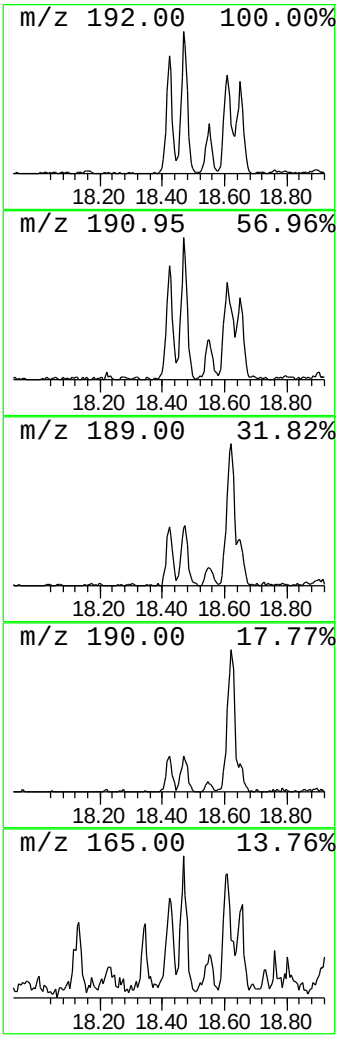
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	3.56 ng/ul	145311	Phenanthrene-d10	17.55

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, 9-methyl-	192	C15H12	000779-02-2	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

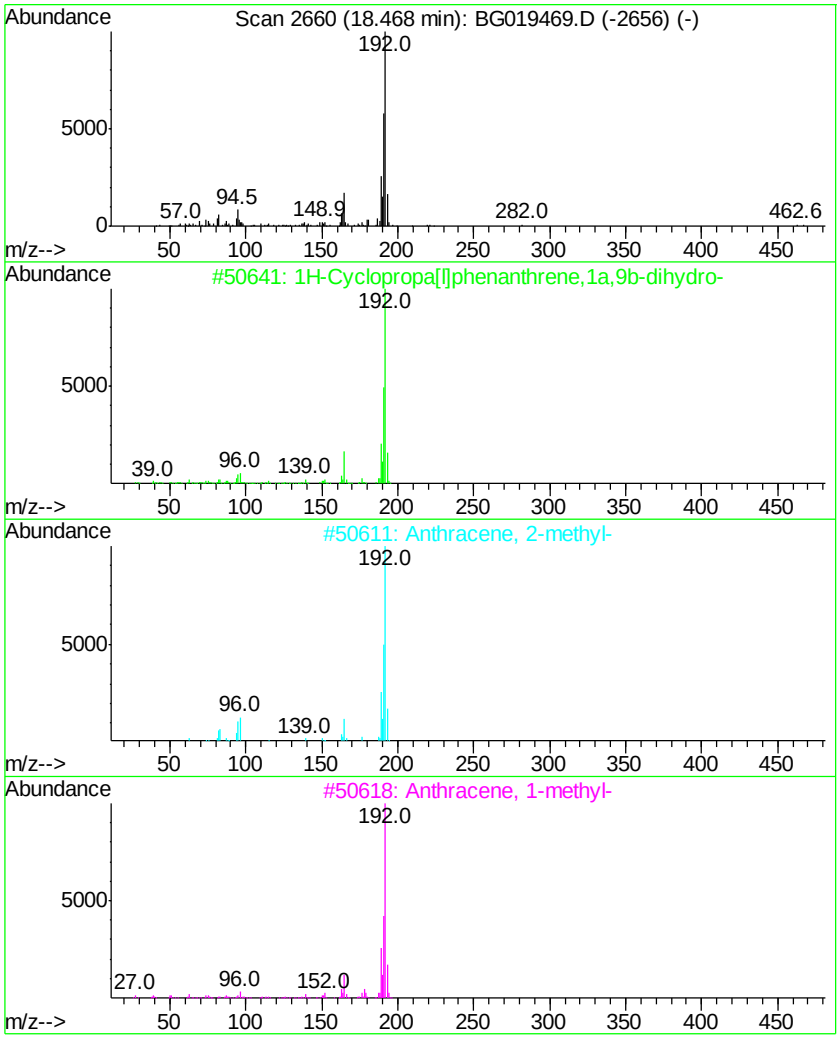
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

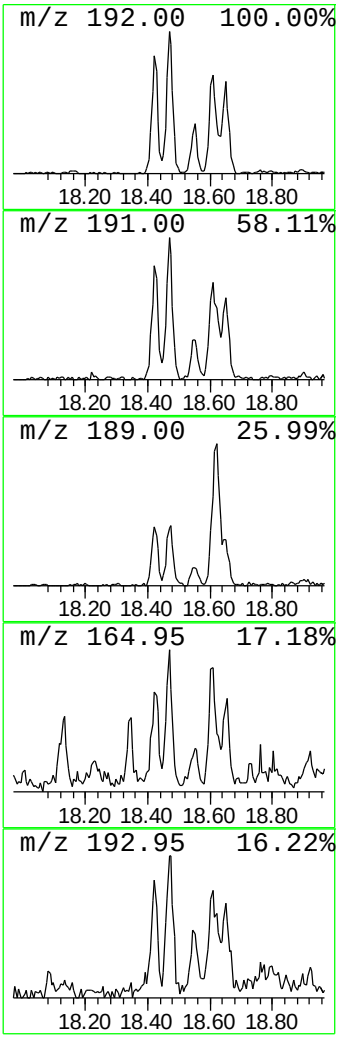
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	4.16 ng/ul	169666	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

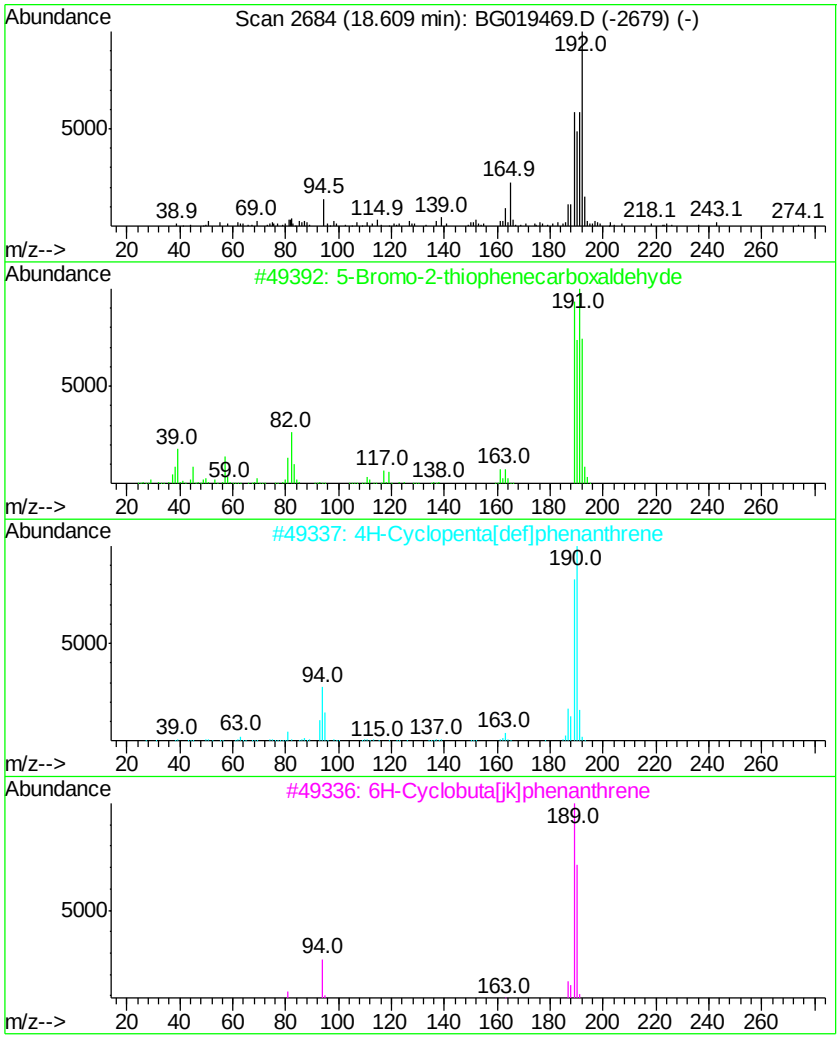
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

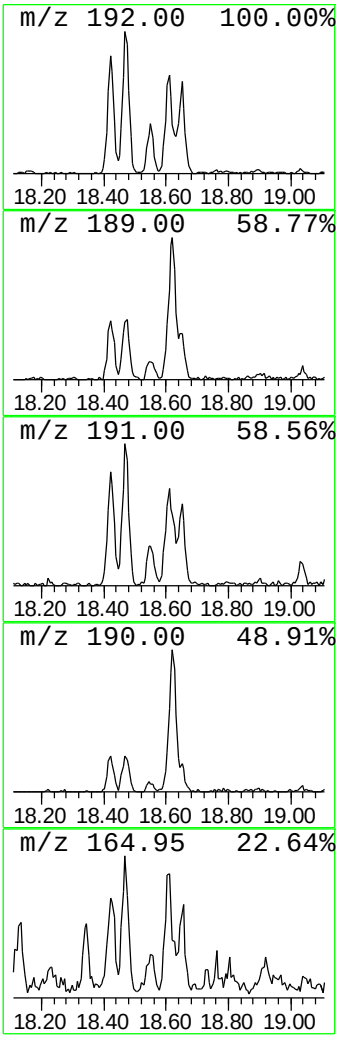
****

Peak Number 9 5-Bromo-2-thiophenecarboxal... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	4.88 ng/ul	199118	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	59
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

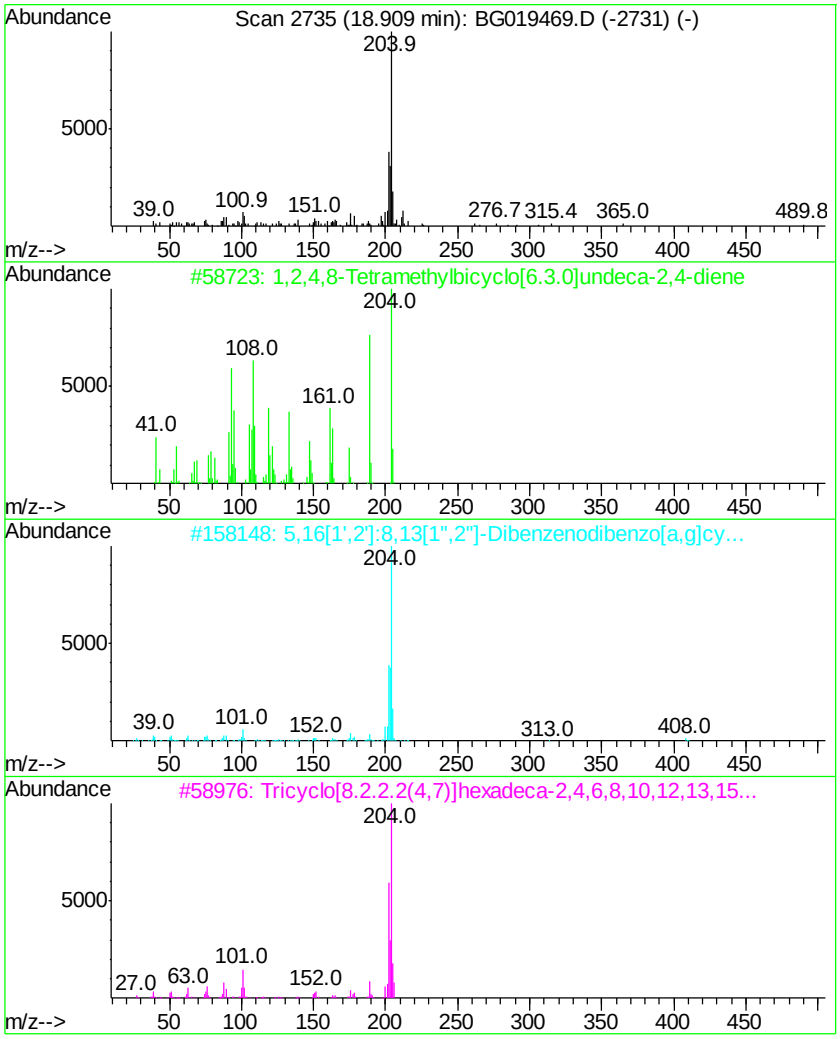
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

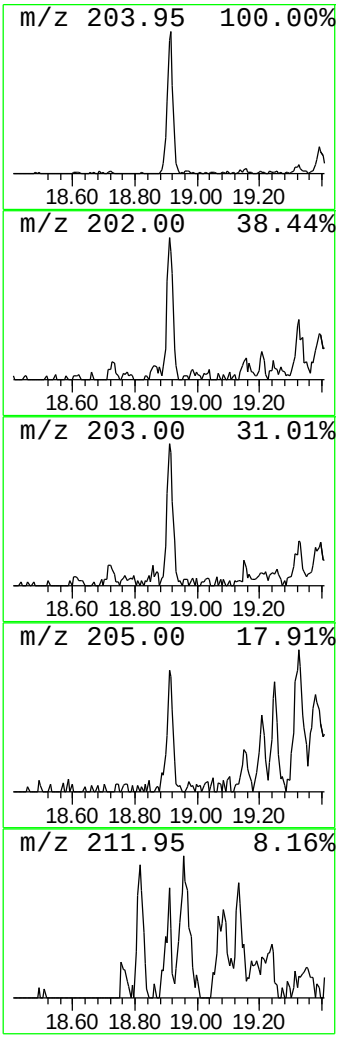
****

Peak Number 10 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	2.06 ng/ul	83957	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

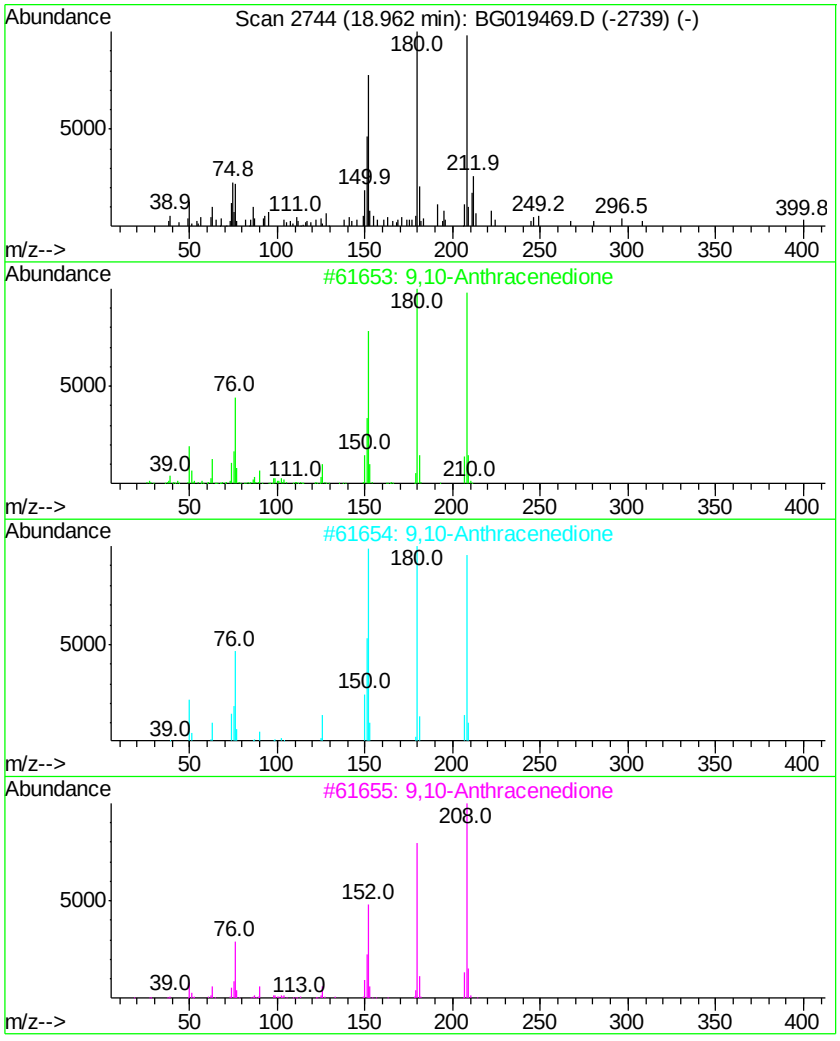
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

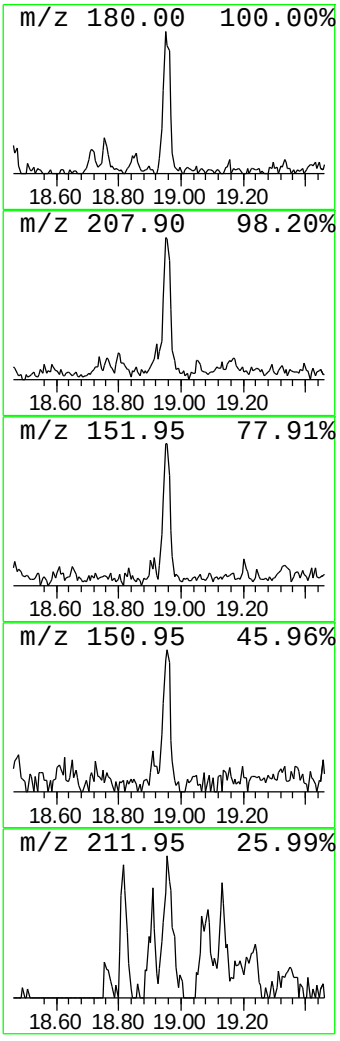
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	2.03 ng/ul	82816	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	83
4	Acridine, 9,10-dihydro-	181	C13H11N	000092-81-9	55
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

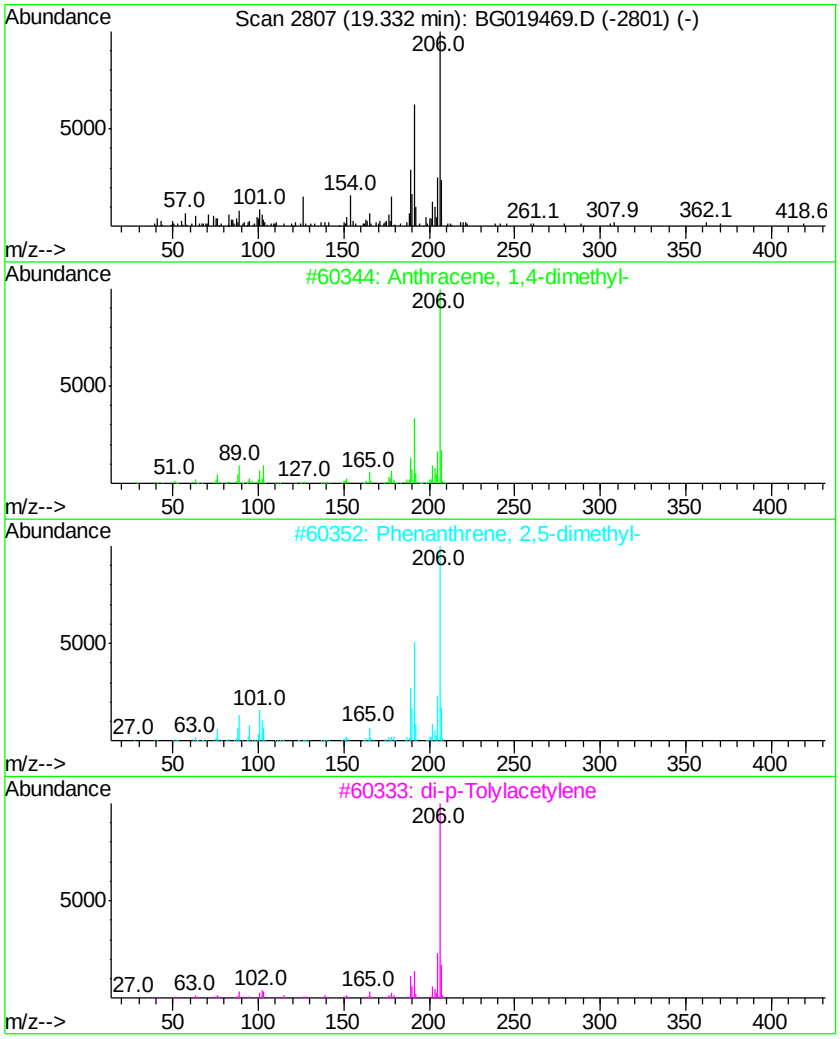
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

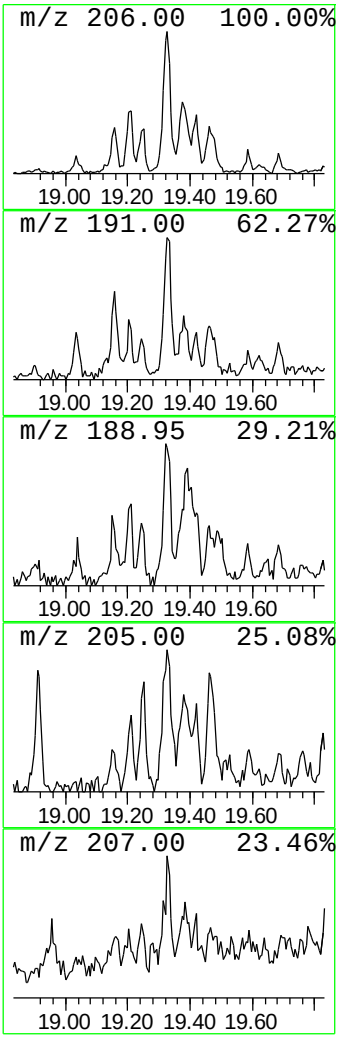
****

Peak Number 12 Anthracene, 1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	3.13 ng/ul	127683	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

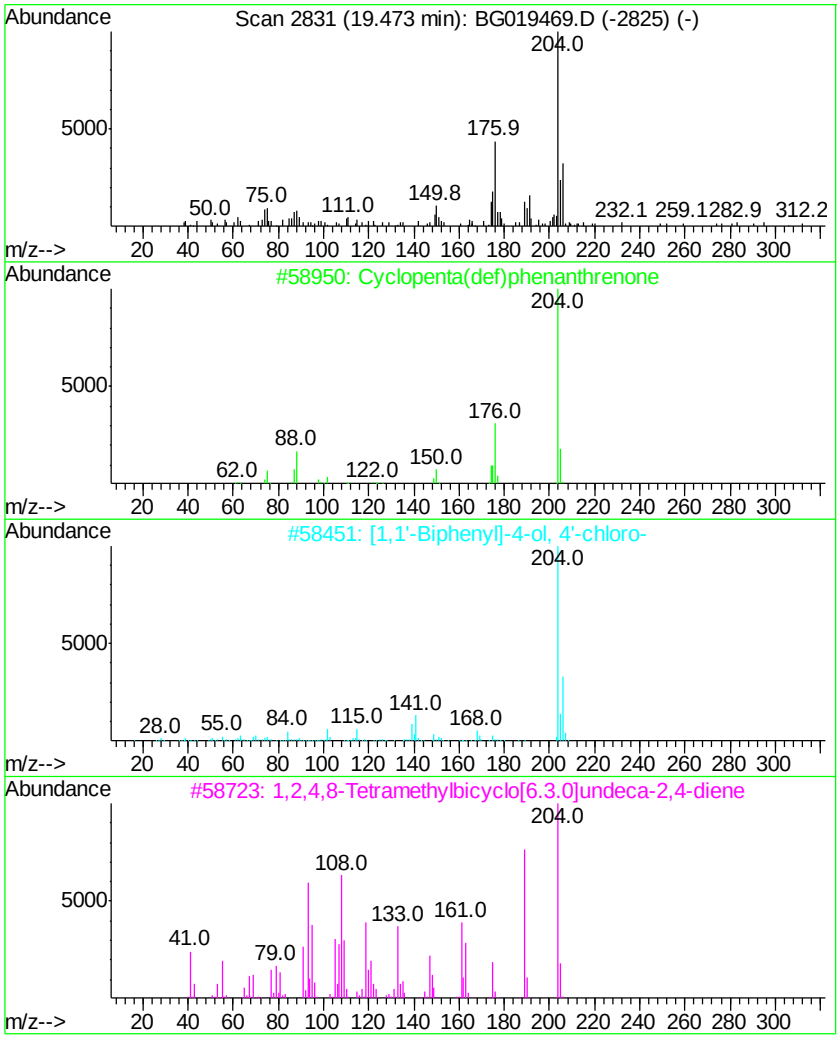
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

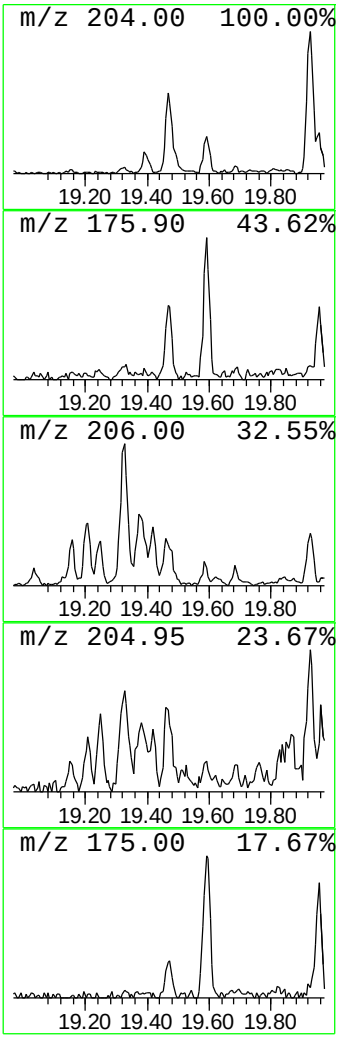
****

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	2.74 ng/ul	111705	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-...	246	C14H11ClO2	057396-87-9	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

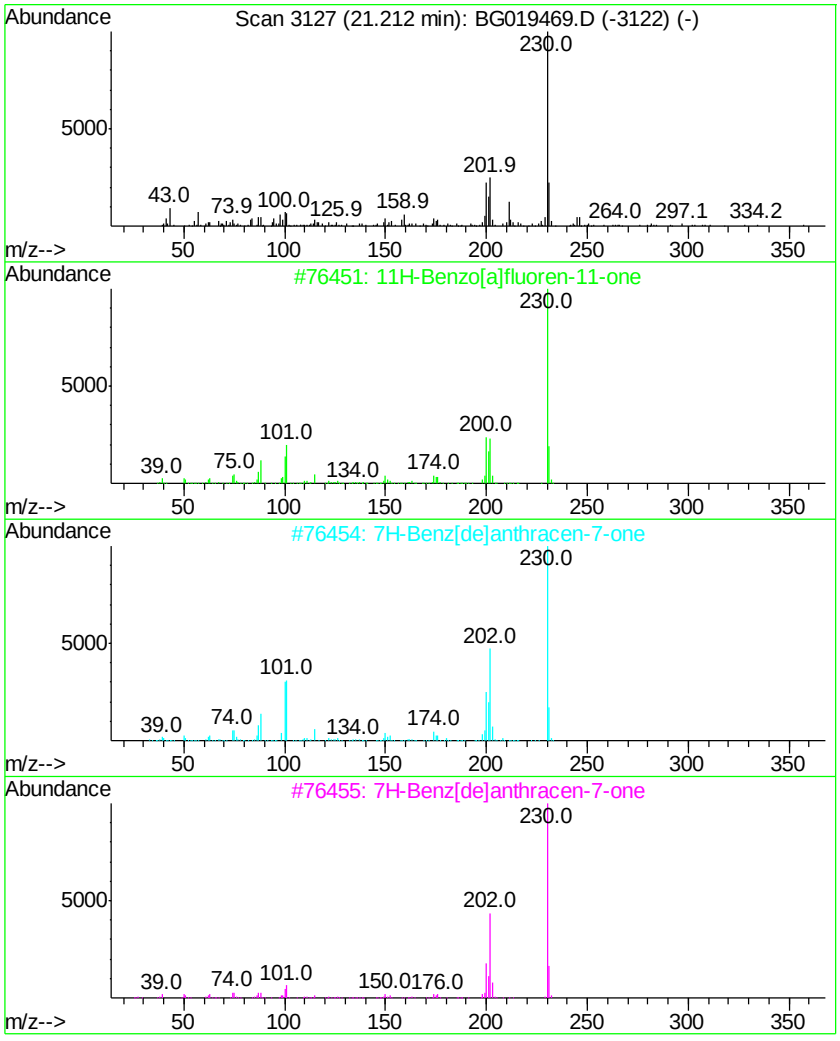
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

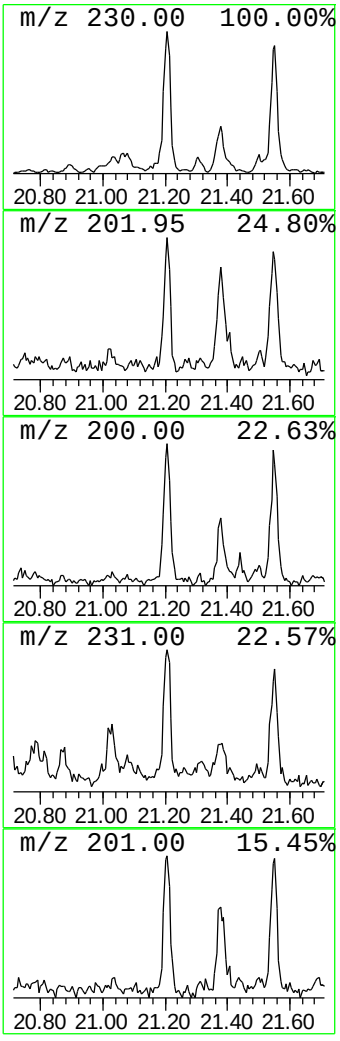
****

Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.21	2.01 ng/ul	187707	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53
5	Benzo(a)phenazine	230	C16H10N2	000225-61-6	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

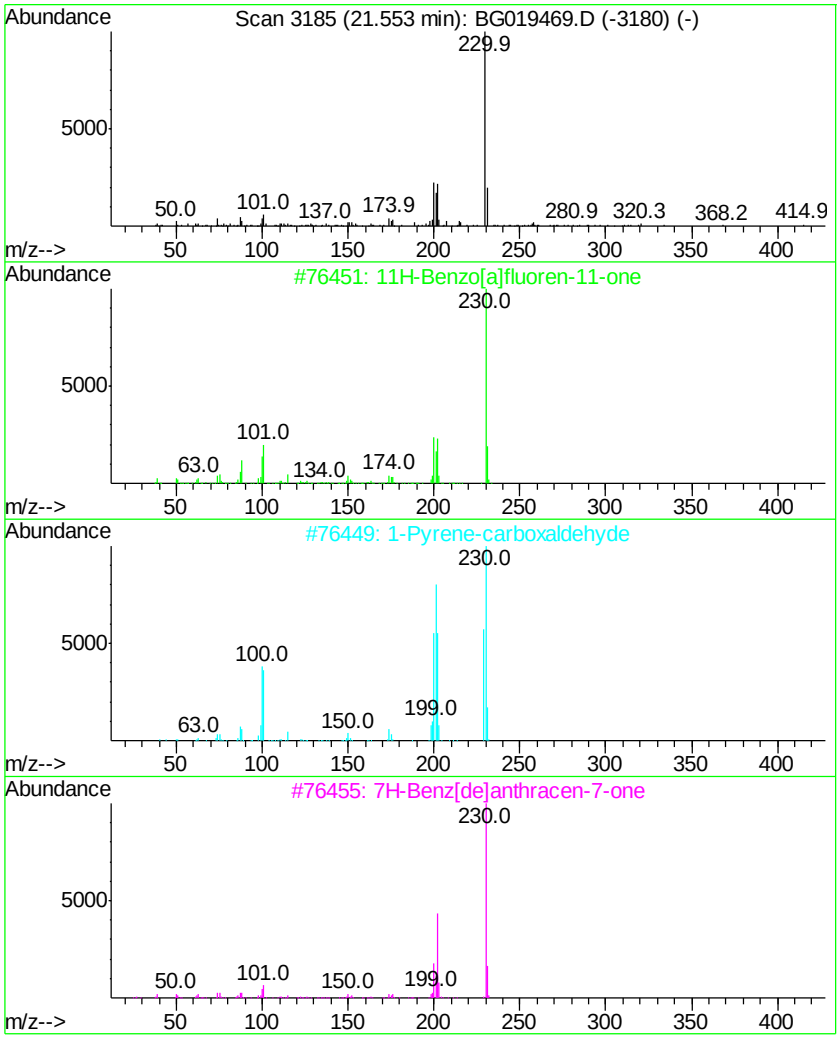
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

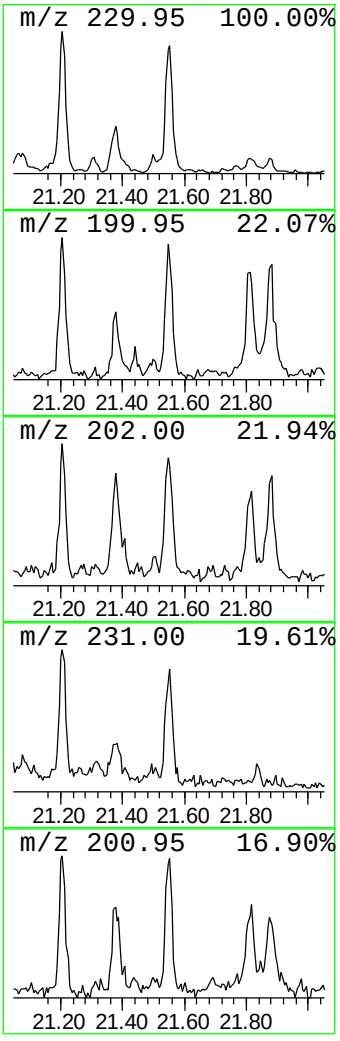
****

Peak Number 16 1-Pyrene-carboxaldehyde Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.55	2.13 ng/ul	198760	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	86
2	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53
5	9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110315\
Data File : BG019469.D
Acq On : 4 Nov 2015 1:51
Operator : UM/NP
Sample : G4211-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC770

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.21	62.6	ng/ul	823057	1	8.18	262793	20.0
unknown-01	4.04	6.8	ng/ul	89740	1	8.18	262793	20.0
1-Octen-4-ol	4.50	4.1	ng/ul	53423	1	8.18	262793	20.0
2-Butenoic acid, ...	4.93	2.9	ng/ul	38237	1	8.18	262793	20.0
Phenanthrene, 1-m...	18.42	3.6	ng/ul	145311	4	17.55	816358	20.0
1H-Cyclopropa[l]p...	18.47	4.2	ng/ul	169666	4	17.55	816358	20.0
5-Bromo-2-thiophe...	18.61	4.9	ng/ul	199118	4	17.55	816358	20.0
1,2,4,8-Tetrameth...	18.91	2.1	ng/ul	83957	4	17.55	816358	20.0
9,10-Anthracenedione	18.96	2.0	ng/ul	82816	4	17.55	816358	20.0
Anthracene, 1,4-d...	19.33	3.1	ng/ul	127683	4	17.55	816358	20.0
Cyclopenta(def)ph...	19.47	2.7	ng/ul	111705	4	17.55	816358	20.0
11H-Benzo[a]fluor...	21.21	2.0	ng/ul	187707	5	21.83	1863920	20.0
1-Pyrene-carboxal...	21.55	2.1	ng/ul	198760	5	21.83	1863920	20.0