LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020748.D
Acq On : 15 Jan 2016 12:06
Operator : SJ/IZ
Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

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-BG011216.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	3.052	30	36	40	rBV	56960	112637	12.06%	1.014%
2	3.093	40	43	46	rVV	45314	71000	7.60%	0.639%
3	3.134	46	50	55	rVV	119846	190898	20.45%	1.719%
4	3.187	55	59	70	rVB	18163	34999	3.75%	0.315%
5	3.845	167	171	180	rVB2	10213	16875	1.81%	0.152%
6	3.945	183	188	195	rVV	45626	69049	7.40%	0.622%
7	4.022	198	201	209	rVB	7780	10825	1.16%	0.097%
8	4.398	260	265	272	rVB	14745	23424	2.51%	0.211%
9	4.744	319	324	331	rVB4	5147	9140	0.98%	0.082%
10	4.821	331	337	342	rBV2	13351	19942	2.14%	0.180%
11	5.203	397	402	410	rVB2	6197	10211	1.09%	0.092%
12	7.206	736	743	754	rBV	28312	50660	5.43%	0.456%
13	7.365	764	770	777	rBV2	28127	47799	5.12%	0.430%
14	7.576	800	806	816	rVV2	33884	55757	5.97%	0.502%
15	8.040	879	885	895	rVB	67620	115183	12.34%	1.037%
16	9.215	1079	1085	1096	rBV	35864	65235	6.99%	0.587%
17	9.938	1203	1208	1215	rBV2	32390	56318	6.03%	0.507%
18	10.485	1293	1301	1311	rBV2	36334	67292	7.21%	0.606%
19	10.861	1357	1365	1372	rBV	97079	172586	18.49%	1.554%
20	11.008	1383	1390	1396	rBV3	7346	15329	1.64%	0.138%
21	14.080	1904	1913	1917	rBV	107329	156545	16.77%	1.409%
22	14.127	1917	1921	1927	rVB	61810	85211	9.13%	0.767%
23	14.374	1957	1963	1975	rVB	112923	182811	19.58%	1.646%
24	14.556	1989	1994	1999	rBB	6971	10127	1.08%	0.091%
25	14.680	2007	2015	2022	rBV2	164641	264282	28.31%	2.379%
26	14.744	2022	2026	2032	rVB	16804	23940	2.56%	0.216%
27	14.897	2045	2052	2064	rBV3	18944	40272	4.31%	0.363%
28	15.079	2078	2083	2091	rVV3	9155	19940	2.14%	0.180%
29	15.150	2091	2095	2105	rVB4	4607	9484	1.02%	0.085%
30	15.502	2150	2155	2161	rVB3	12595	17869	1.91%	0.161%
31	15.673	2178	2184	2189	rBV	167959	247391	26.50%	2.227%
32	15.726	2189	2193	2200	rVB2	22487	34288	3.67%	0.309%
33	15.802	2202	2206	2211	rBV	34708	54377	5.82%	0.490%
34	15.890	2217	2221	2234	rVB7	5519	15586	1.67%	0.140%

LSC Area Percent Report

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Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

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-BG011216.M
Title : SVOA CALIBRATION

35	16.025	2237	2244	2248	rVV3	5321	10075	1.08%	0.091%
36	16.166	2264	2268	2276	rVB2	5896	11385	1.22%	0.102%
37	16.366	2297	2302	2304	rBV3	14110	20868	2.24%	0.188%
38	16.730	2355	2364	2368	rBV7	9509	24284	2.60%	0.219%
39	16.777	2368	2372	2377	rVV4	8715	13442	1.44%	0.121%
40	16.877	2385	2389	2394	rVB4	6241	9952	1.07%	0.090%
41	16.948	2400	2401	2406	rVV5	5923	10226	1.10%	0.092%
42	16.995	2407	2409	2416	rVV3	6274	11806	1.26%	0.106%
43	17.083	2419	2424	2432	rVV	10129	16892	1.81%	0.152%
44	17.159	2432	2437	2442	rVV3	14501	24365	2.61%	0.219%
45	17.206	2442	2445	2448	rVV2	5250	7585	0.81%	0.068%
46	17.247	2448	2452	2460	rVV	12674	21423	2.29%	0.193%
47	17.429	2476	2483	2486	rBV	231423	348487	37.33%	3.137%
48	17.471	2486	2490	2495	rVV	248747	365003	39.10%	3.286%
49	17.529	2495	2500	2503	rVV	179807	263045	28.18%	2.368%
50	17.559	2503	2505	2511	rVB	49441	65550	7.02%	0.590%
51	17.829	2545	2551	2559	rBV2	25434	51394	5.50%	0.463%
52	17.894	2559	2562	2567	rVV2	8694	11102	1.19%	0.100%
53	17.941	2567	2570	2574	rVV2	6104	8360	0.90%	0.075%
54	18.011	2578	2582	2589	rVB	15030	25732	2.76%	0.232%
55	18.146	2602	2605	2613	rVB	7863	14943	1.60%	0.135%
56	18.305	2626	2632	2636	rVV	62525	95315	10.21%	0.858%
57	18.352	2636	2640	2646	rVB	82918	119539	12.80%	1.076%
58	18.434	2649	2654	2659	rBV	19789	29302	3.14%	0.264%
59	18.499	2659	2665	2669	rBV3	75196	155678	16.67%	1.402%
60	18.534	2669	2671	2676	rVB	43522	51964	5.57%	0.468%
61	18.587	2676	2680	2681	rBV2	6011	6831	0.73%	0.061%
62	18.698	2696	2699	2703	rVB3	7739	9874	1.06%	0.089%
63	18.798	2711	2716	2720	rBV	36684	55034	5.89%	0.495%
64	18.845	2720	2724	2733	rVB	54853	86608	9.28%	0.780%
65	18.922	2733	2737	2740	rBV2	6321	8638	0.93%	0.078%
66	19.039	2750	2757	2762	rBV3	22947	45843	4.91%	0.413%
67	19.092	2762	2766	2769	rVV	28161	38223	4.09%	0.344%
68	19.133	2769	2773	2776	rVB2	22375	28341	3.04%	0.255%
69	19.210	2781	2786	2791	rBV	61805	102340	10.96%	0.921%
70	19.268	2791	2796	2800	rBV4	20016	39214	4.20%	0.353%
71	19.362	2806	2812	2824	rVB6	25766	71403	7.65%	0.643%

LSC Area Percent Report

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Acq On : 15 Jan 2016 12:06
Operator : SJ/IZ
Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

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-BG011216.M
Title : SVOA CALIBRATION

72	19.480	2824	2832	2838	rBV	505410	727164	77.89%	6.547%
73	19.533	2838	2841	2844	rVV2	19164	24111	2.58%	0.217%
74	19.574	2845	2848	2852	rVB2	20256	27030	2.90%	0.243%
75	19.674	2862	2865	2868	rBV3	10308	14443	1.55%	0.130%
76	19.815	2882	2889	2891	rBV2	319409	507560	54.37%	4.570%
77	19.844	2891	2894	2901	rVV	454388	637043	68.23%	5.735%
78	19.909	2901	2905	2911	rVB	49555	74218	7.95%	0.668%
79	20.020	2920	2924	2929	rVB	27501	43828	4.69%	0.395%
80	20.161	2942	2948	2956	rBV4	47260	125268	13.42%	1.128%
81	20.332	2967	2977	2982	rVB	111176	231262	24.77%	2.082%
82	20.432	2989	2994	2998	rBV	90749	133014	14.25%	1.198%
83	20.491	3001	3004	3007	rVB	62380	79410	8.51%	0.715%
84	20.632	3024	3028	3031	rBV	47790	68062	7.29%	0.613%
85	20.673	3032	3035	3039	rVV	35420	48529	5.20%	0.437%
86	20.884	3068	3071	3073	rBV4	15894	19404	2.08%	0.175%
87	21.096	3104	3107	3113	rVB	44505	66948	7.17%	0.603%
88	21.278	3135	3138	3141	rBV2	34514	47688	5.11%	0.429%
89	21.319	3142	3145	3150	rVB2	61905	87913	9.42%	0.791%
90	21.372	3150	3154	3159	rBV2	39502	66236	7.09%	0.596%
91	21.701	3202	3210	3215	rBV2	350849	933605	100.00%	8.405%
92	21.748	3215	3218	3231	rVB	239308	408982	43.81%	3.682%
93	21.901	3240	3244	3250	rBV2	39087	61033	6.54%	0.549%
94	23.922	3580	3588	3596	rBV	143845	517051	55.38%	4.655%
95	24.180	3627	3632	3639	rVB	27560	63986	6.85%	0.576%
96	24.650	3705	3712	3719	rBV	79859	221770	23.75%	1.997%
97	24.733	3721	3726	3731	rVV	117177	287445	30.79%	2.588%
98	24.803	3733	3738	3747	rVB	126862	326267	34.95%	2.937%
99	24.956	3756	3764	3772	rVB2	137448	344305	36.88%	3.100%
100	28.681	4388	4398	4416	rVB3	55690	256463	27.47%	2.309%

Sum of corrected areas: 11107386

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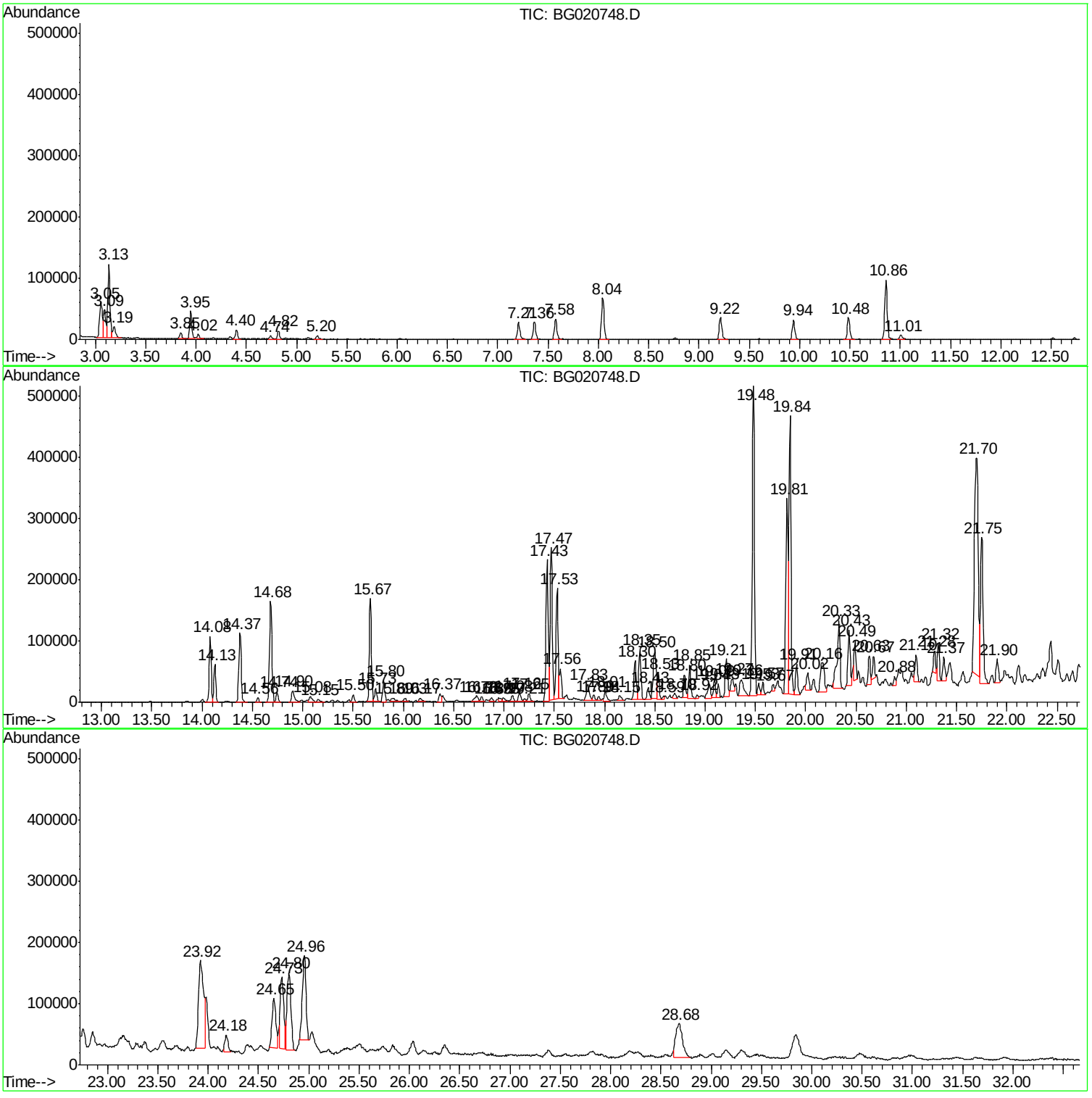
Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BC9E9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020748.D
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

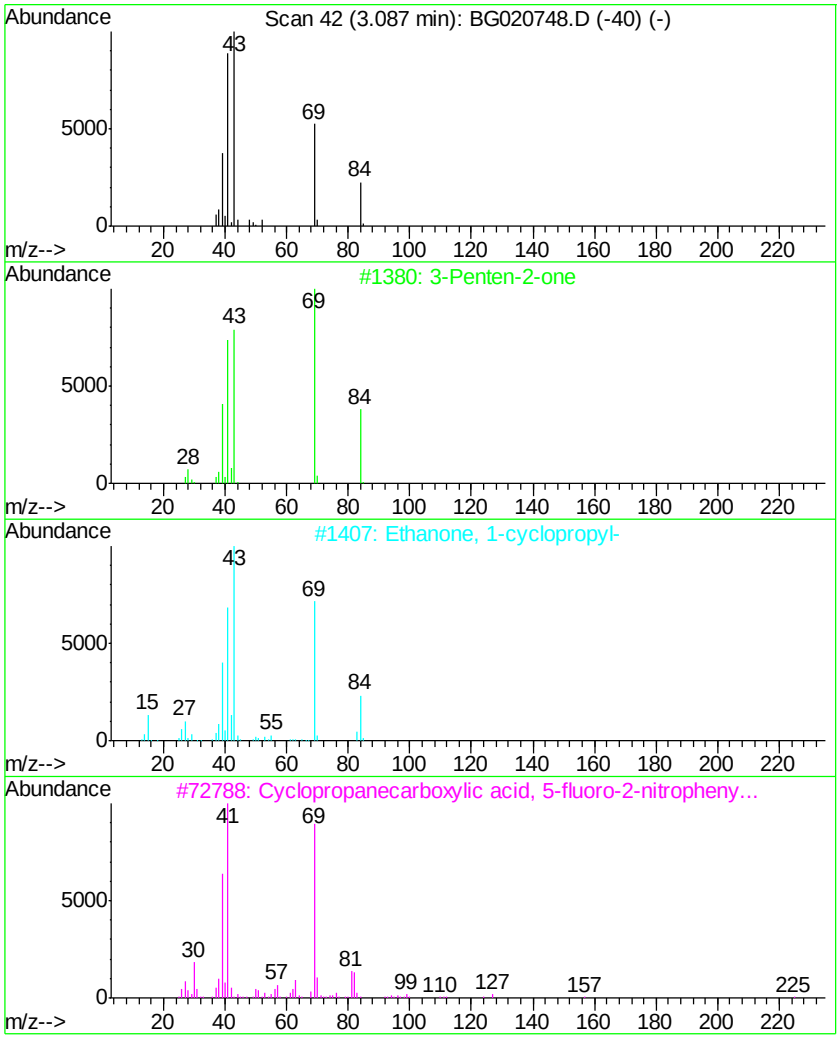
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

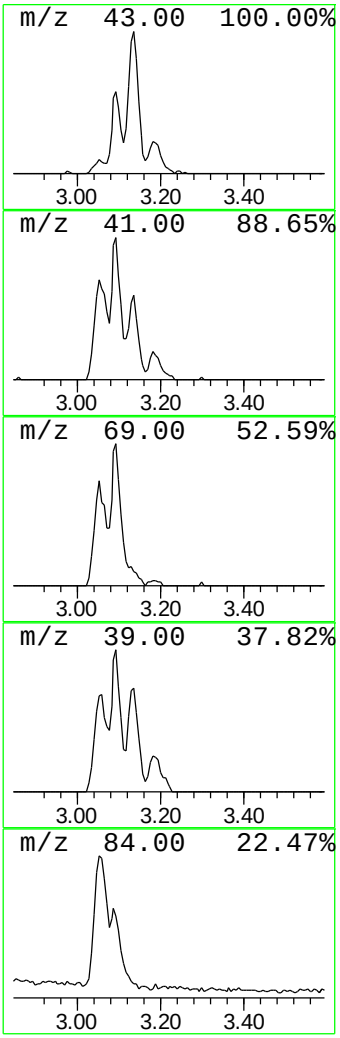
****

Peak Number 2 3-Penten-2-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.09	12.33 ng/ul	71000	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one	84	C5H8O	000625-33-2	78
2	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	40
3	Cyclopropanecarboxylic acid, 5-f...	225	C10H8FNO4	1000278-66-5	40
4	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	39
5	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020748.D
Acq On : 15 Jan 2016 12:06
Operator : SJ/IZ
Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

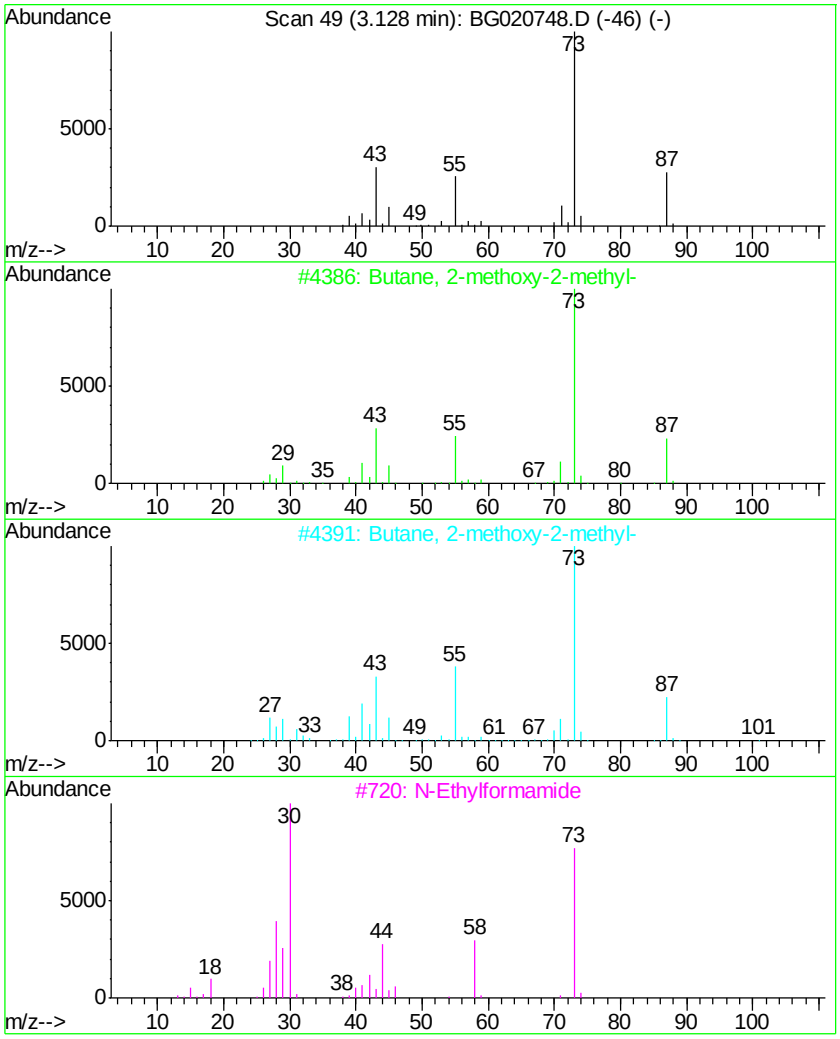
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

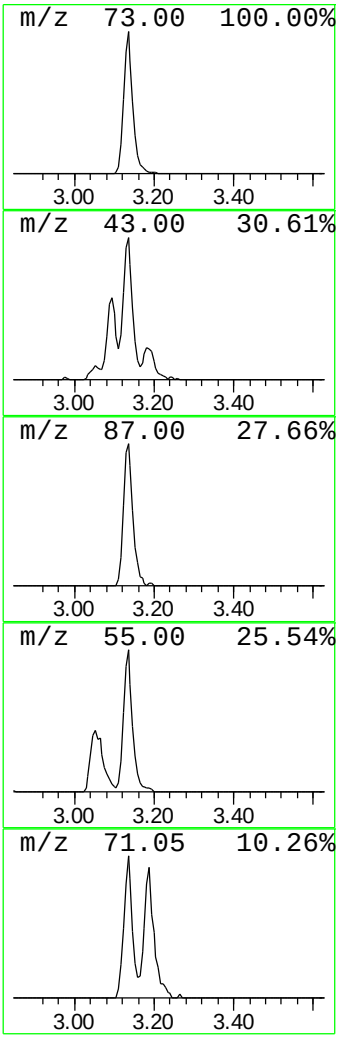
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	33.15 ng/ul	190898	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	9





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Instrument : BNA_G
ClientSampleId : BC9E9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

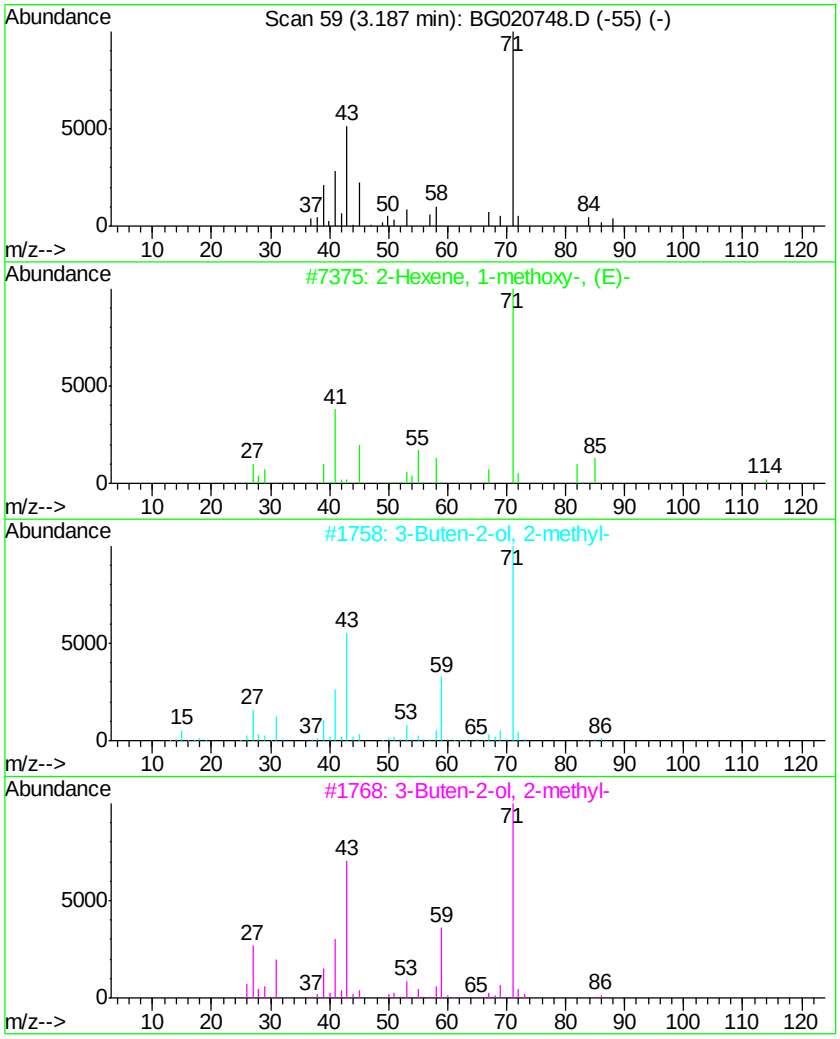
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

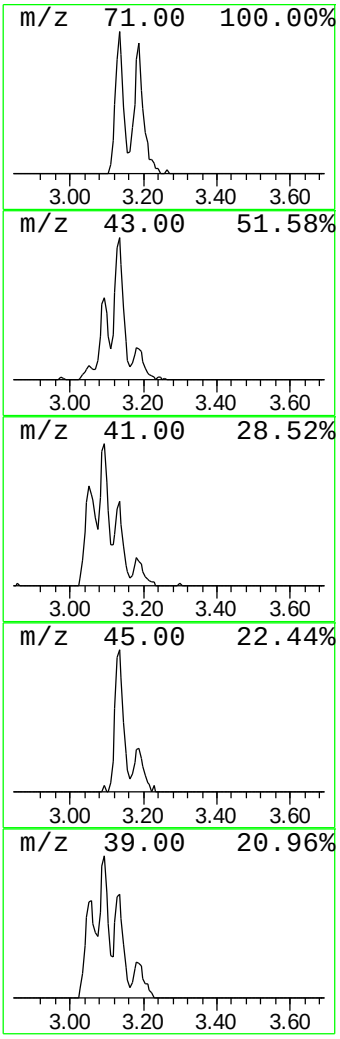
****

Peak Number 4 2-Hexene, 1-methoxy-, (E)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	6.08 ng/ul	34999	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 1-methoxy-, (E)-	114	C7H14O	056052-83-6	64
2	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	58
3	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	58
4	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	45
5	Cyclopropanemethanol, .alpha.-bu...	128	C8H16O	004379-16-2	42





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020748.D
Acq On : 15 Jan 2016 12:06
Operator : SJ/IZ
Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

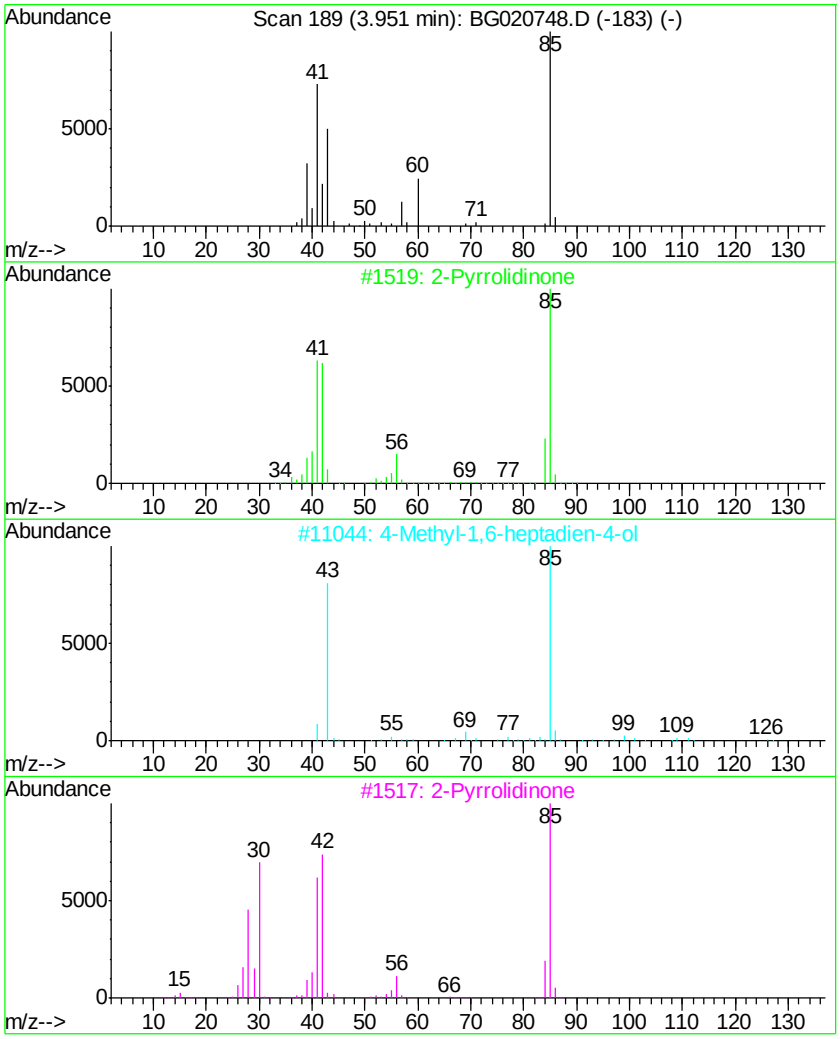
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

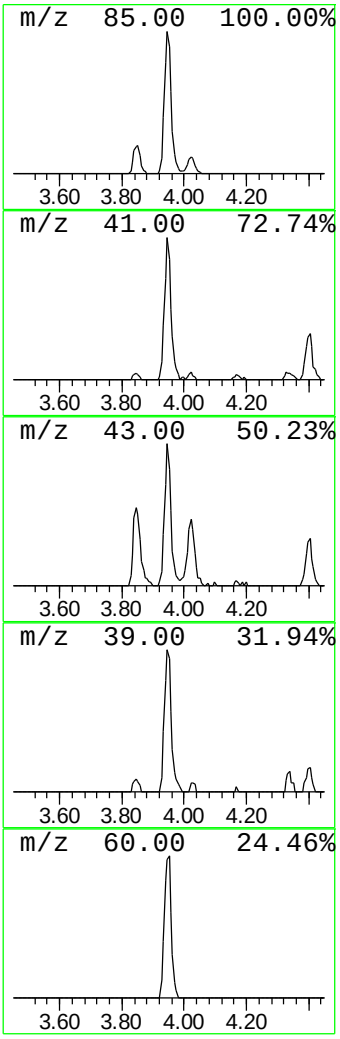
****

Peak Number 6 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.95	11.99 ng/ul	69049	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	40
2	4-Methyl-1,6-heptadien-4-ol	126	C8H14O	025201-40-5	25
3	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
5	Azetidine, 1-nitroso-	86	C3H6N2O	015216-10-1	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020748.D
Acq On : 15 Jan 2016 12:06
Operator : SJ/IZ
Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

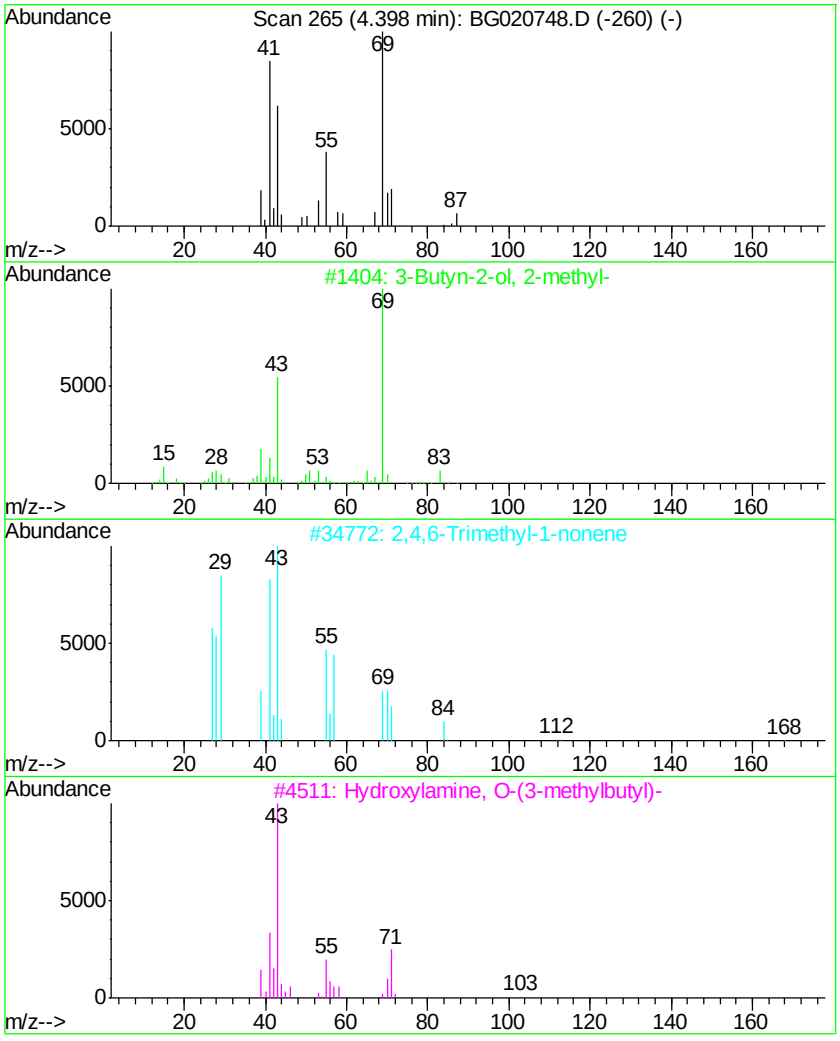
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

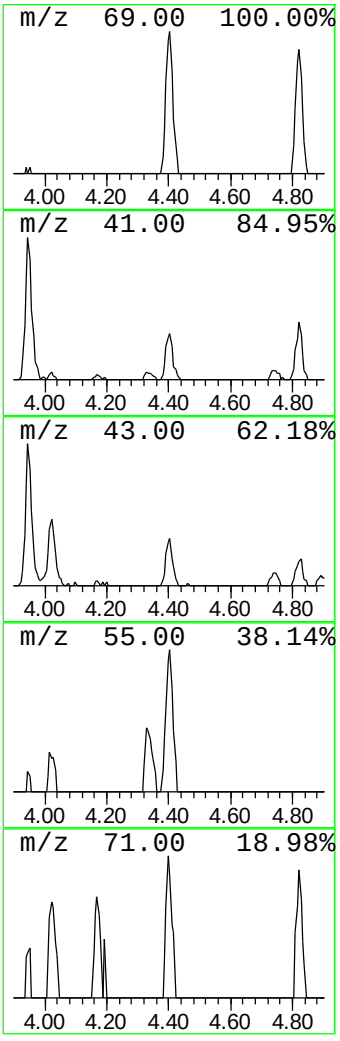
****

Peak Number 7 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	4.07 ng/ul	23424	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butyn-2-ol, 2-methyl-	84	C5H8O	000115-19-5	38
2	2,4,6-Trimethyl-1-nonene	168	C12H24	055771-40-9	10
3	Hydroxylamine, O-(3-methylbutyl)-	103	C5H13NO	019411-65-5	9
4	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	9
5	2-Butenoic acid, 4-nitrophenyl e...	207	C10H9NO4	014617-88-0	9





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Acq On : 15 Jan 2016 12:06
Operator : SJ/IZ
Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

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Quant Title : SVOA CALIBRATION

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

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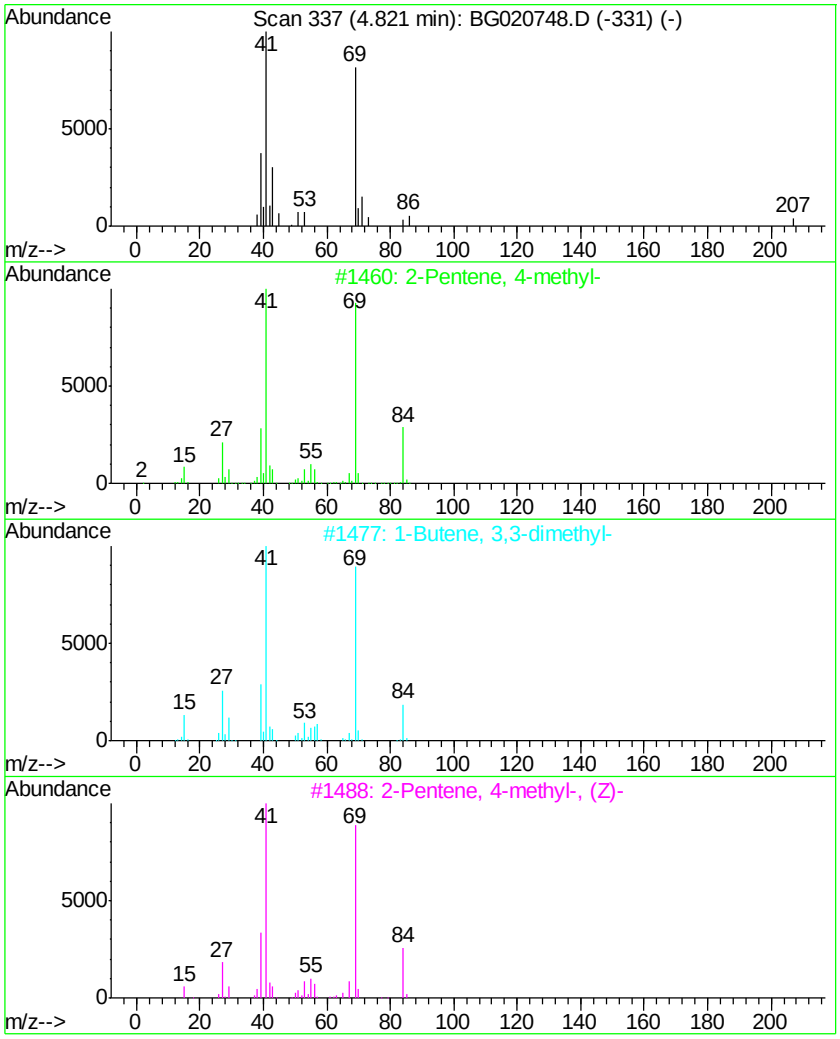
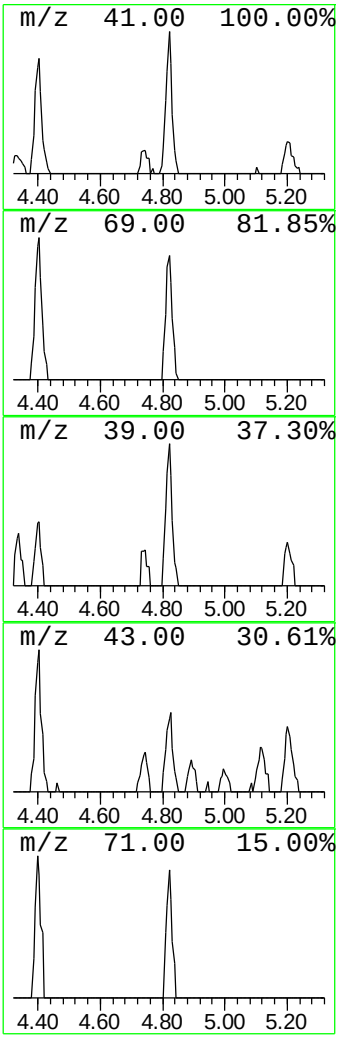
Peak Number 8 (DEL) Alkane: Cyclic4.82 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.82	3.46 ng/ul	19942	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	64
2	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	59
3	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	59
4	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	45
5	Zinc, bis(3-methyl-2-butenyl)-	202	C10H18Zn	066094-28-8	45





Library Search Compound Report

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Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

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Quant Title : SVOA CALIBRATION

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

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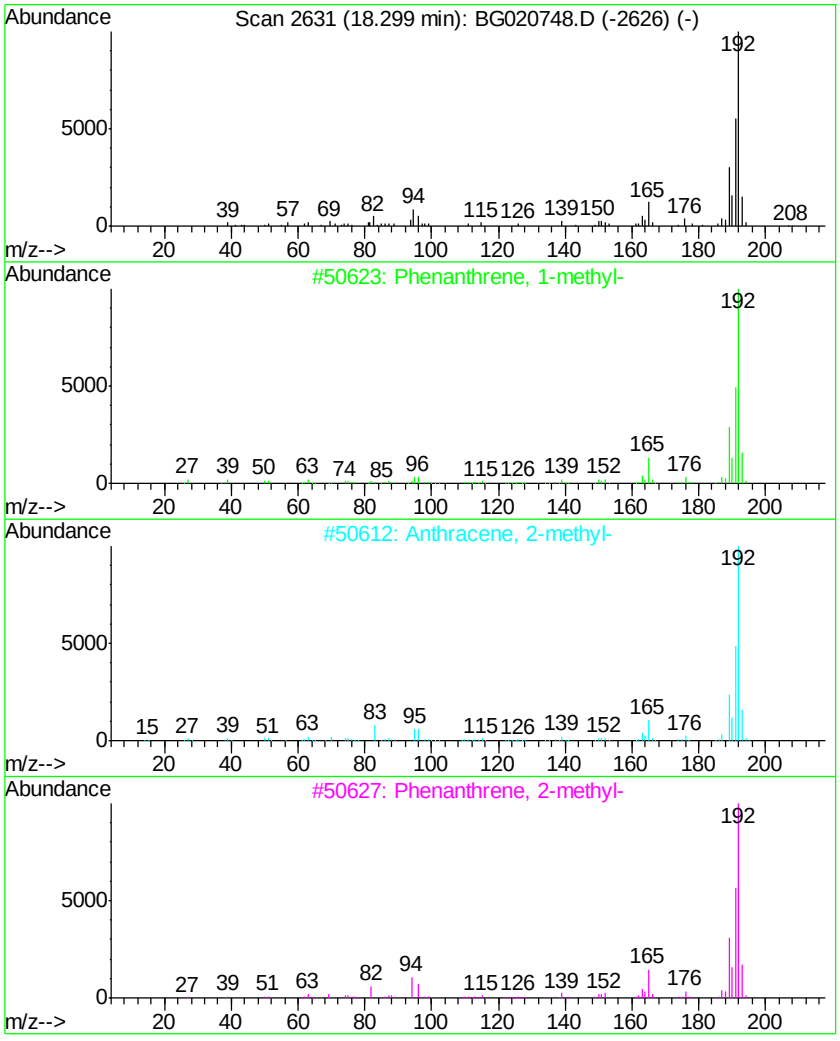
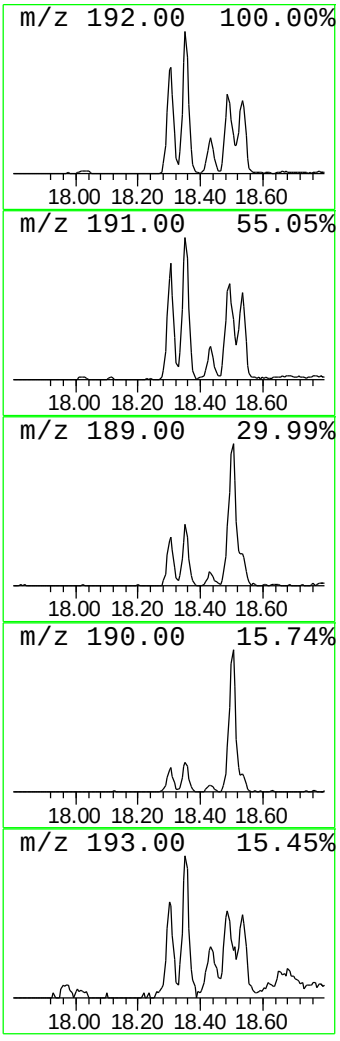
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	5.47 ng/ul	95315	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Library Search Compound Report

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Operator : SJ/IZ
Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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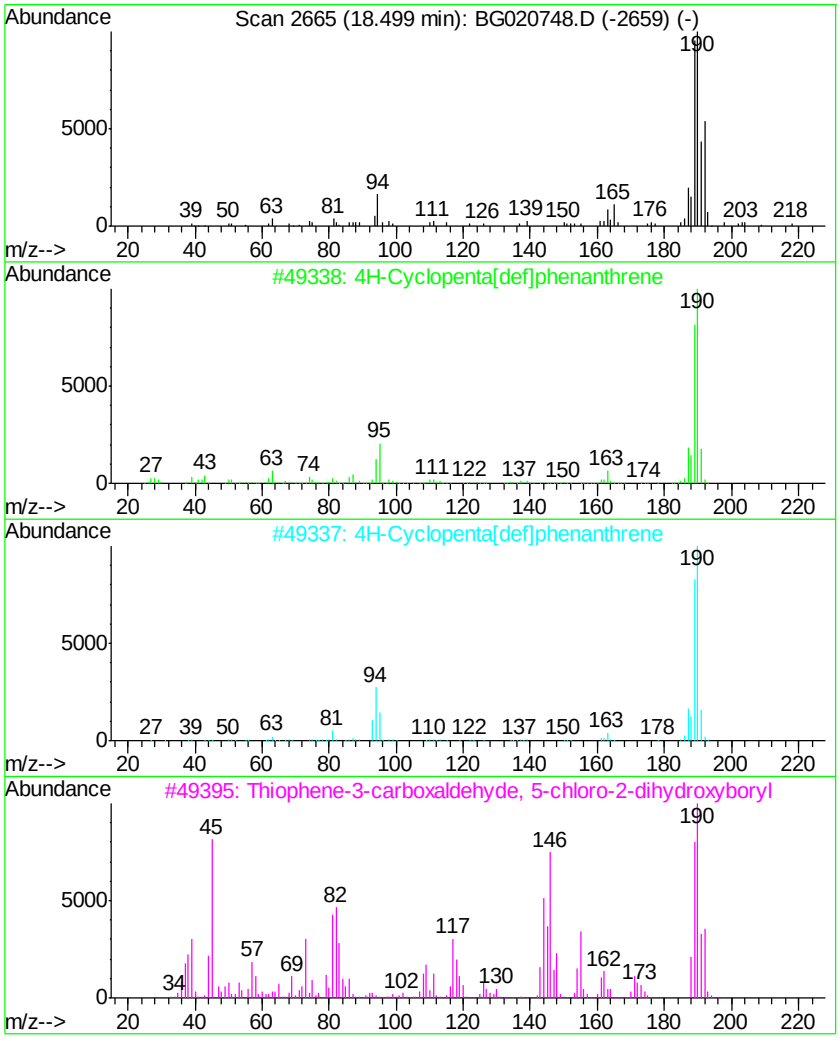
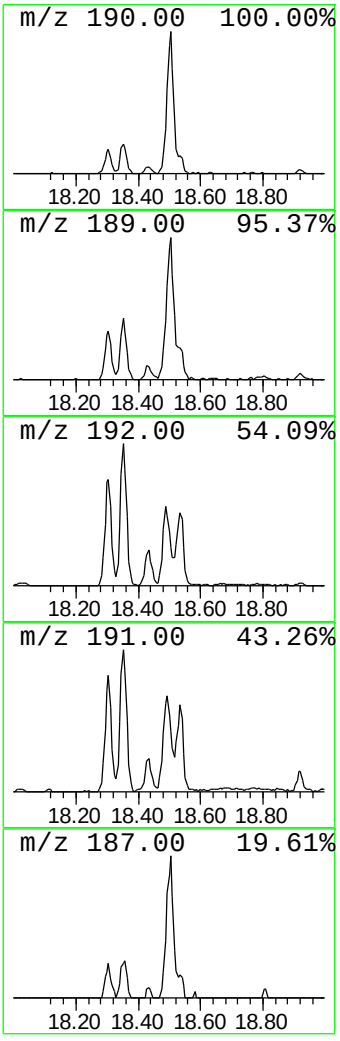
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	8.93 ng/ul	155678	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
5	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30





Library Search Compound Report

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Acq On : 15 Jan 2016 12:06
Operator : SJ/IZ
Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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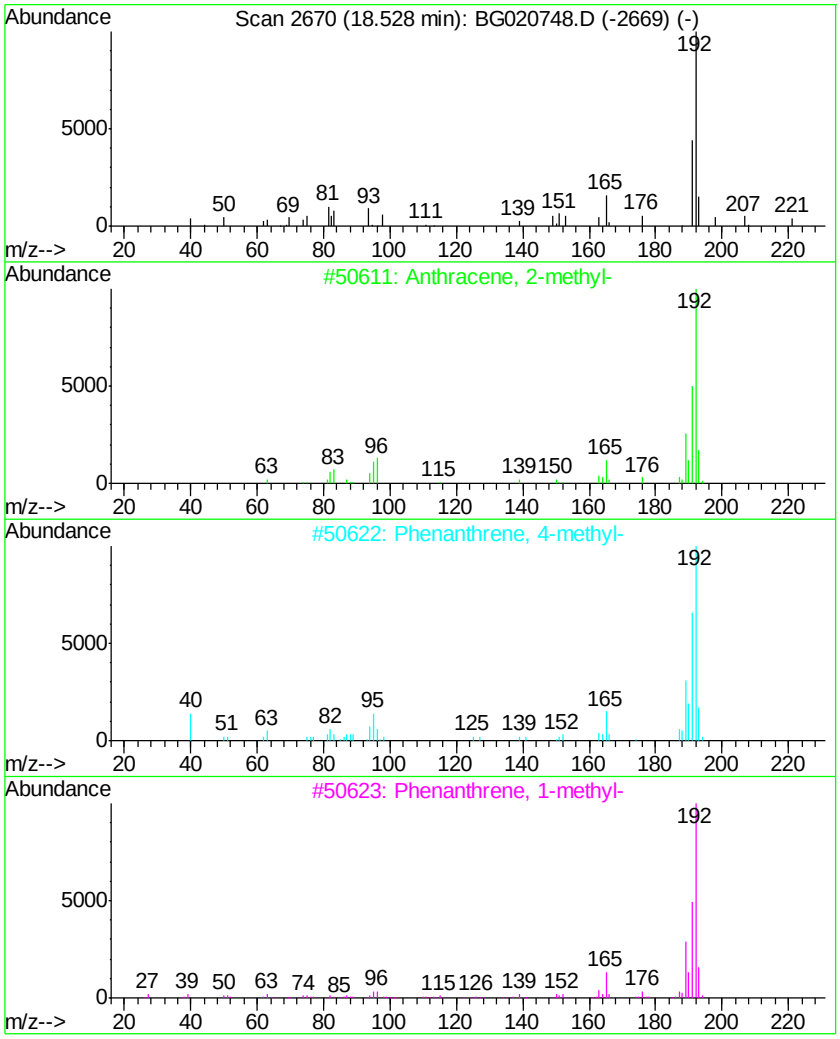
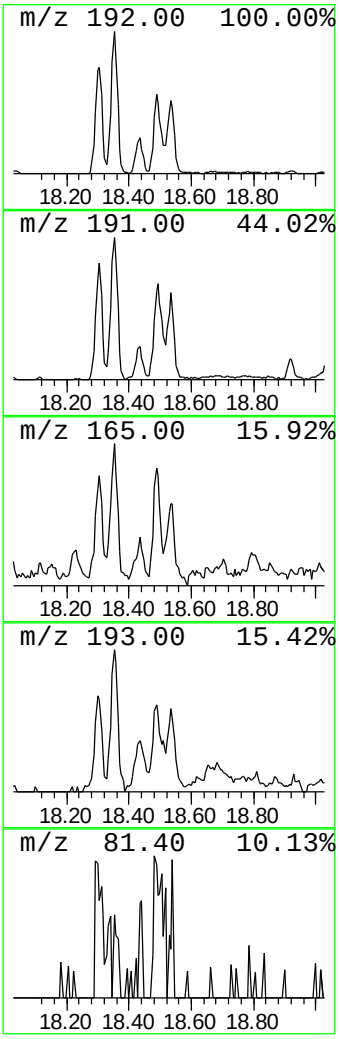
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	2.98 ng/ul	51964	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80





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Acq On : 15 Jan 2016 12:06
Operator : SJ/IZ
Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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Peak Number 13 2-Phenylnaphthalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	3.16 ng/ul	55034	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
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	60
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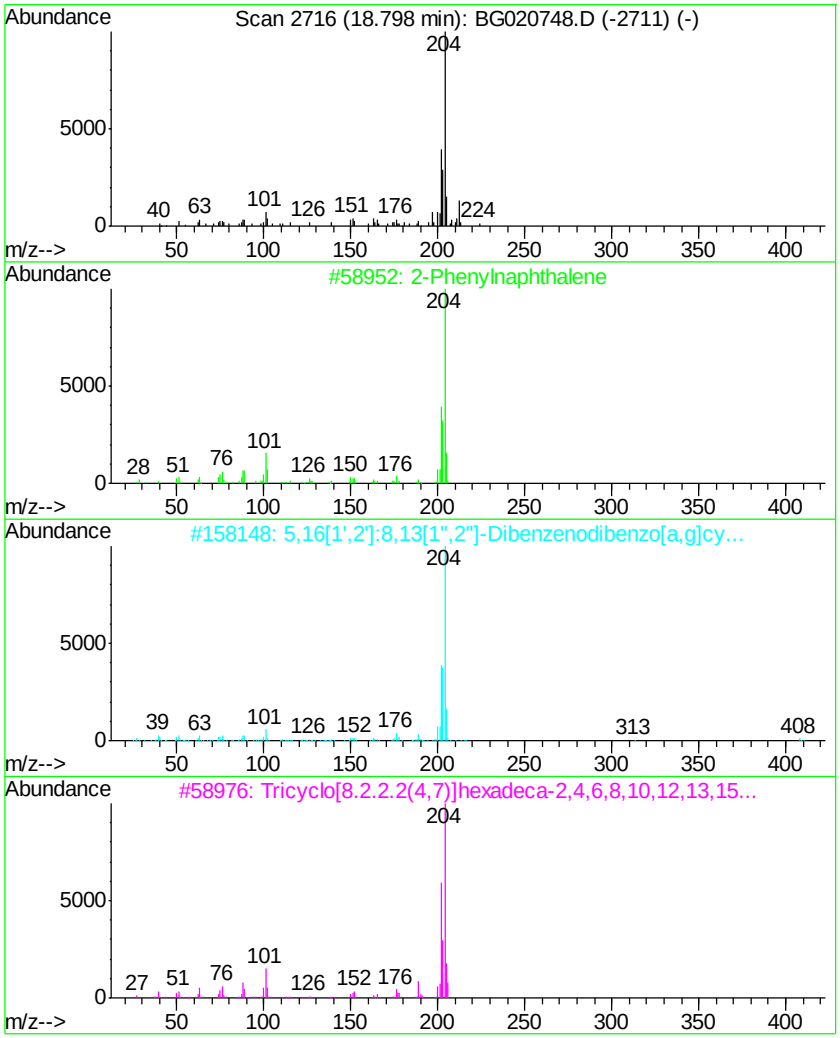

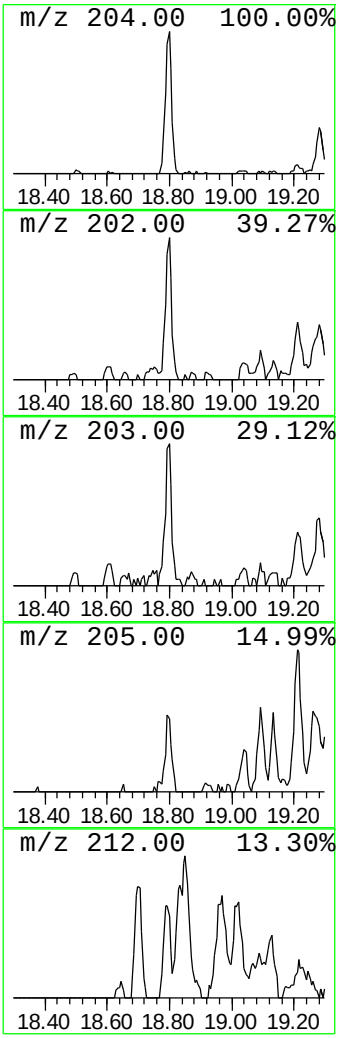

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Sample : H1101-08
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Instrument : BNA_G
ClientSampleId : BC9E9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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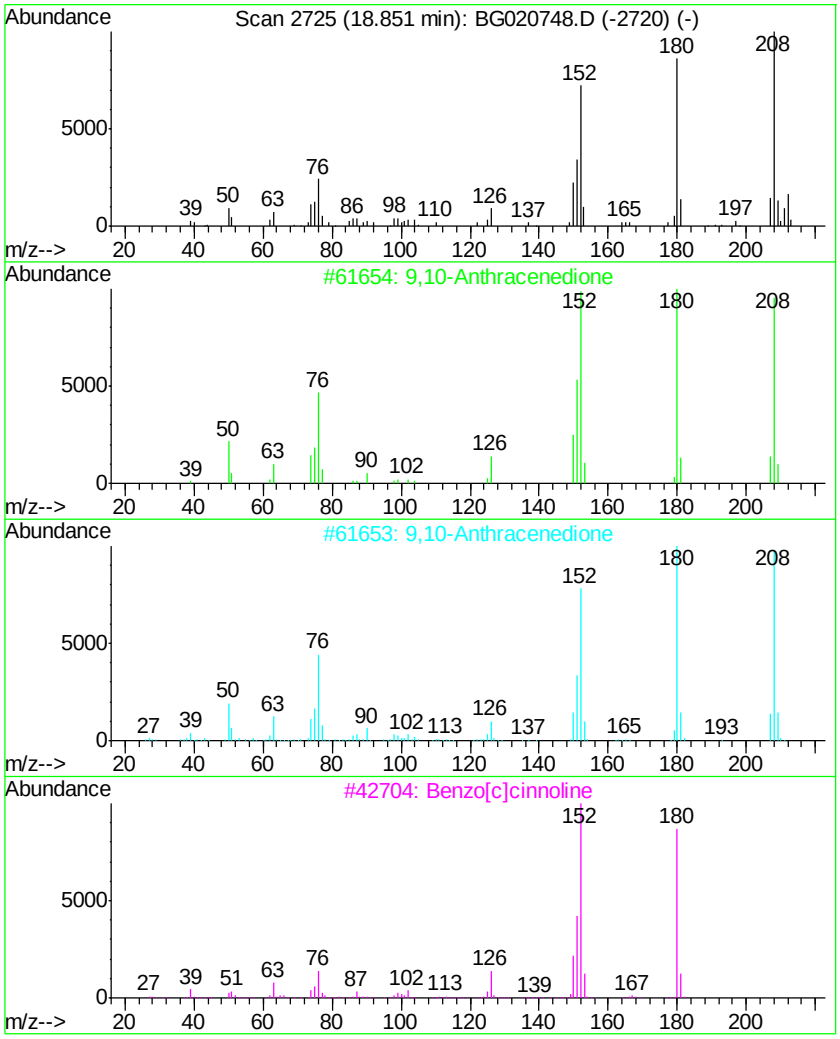
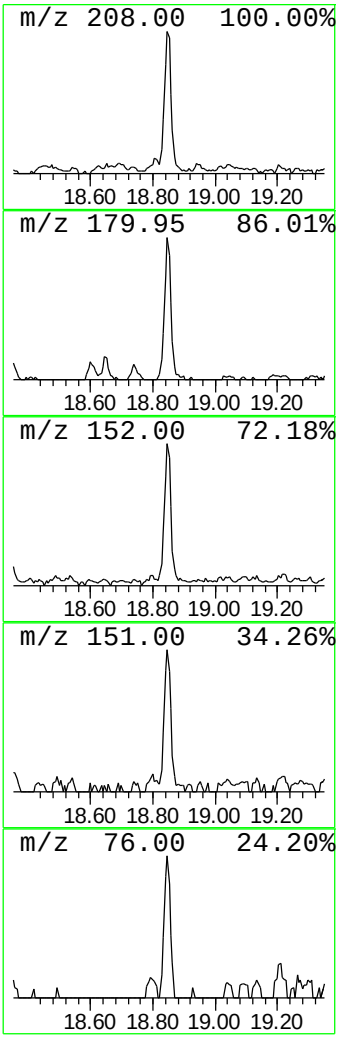
Peak Number 14 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	4.97 ng/ul	86608	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	87





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Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

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Quant Title : SVOA CALIBRATION

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

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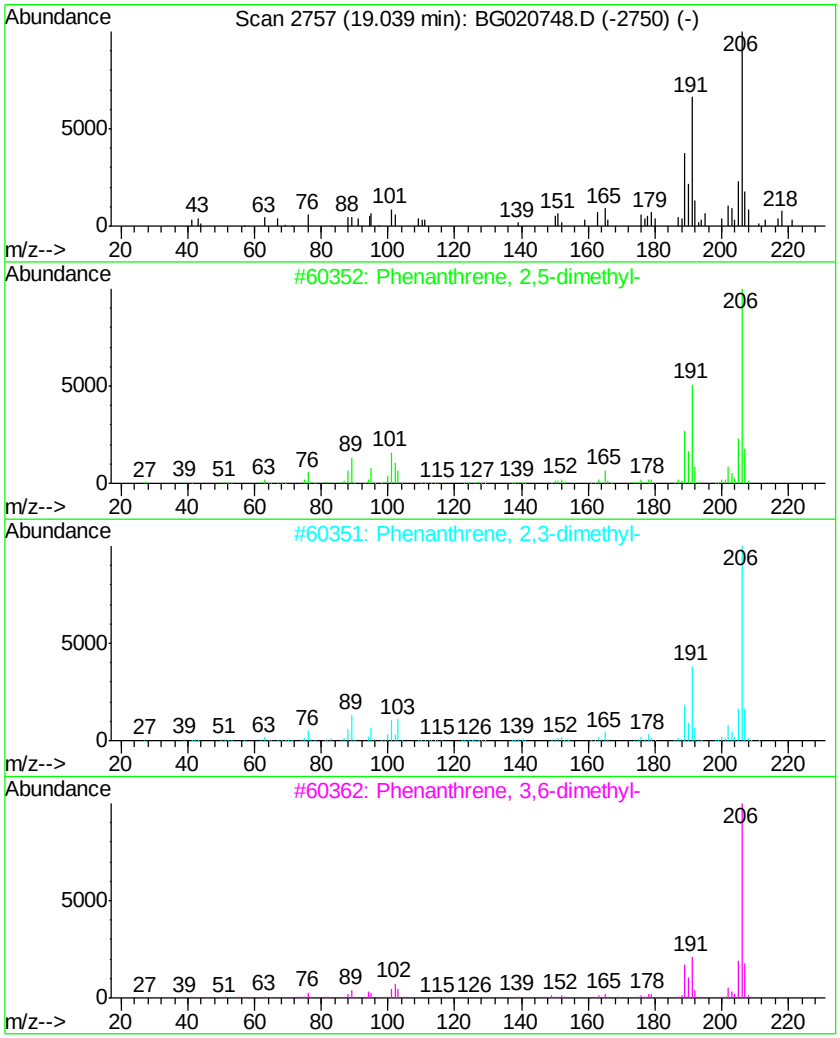
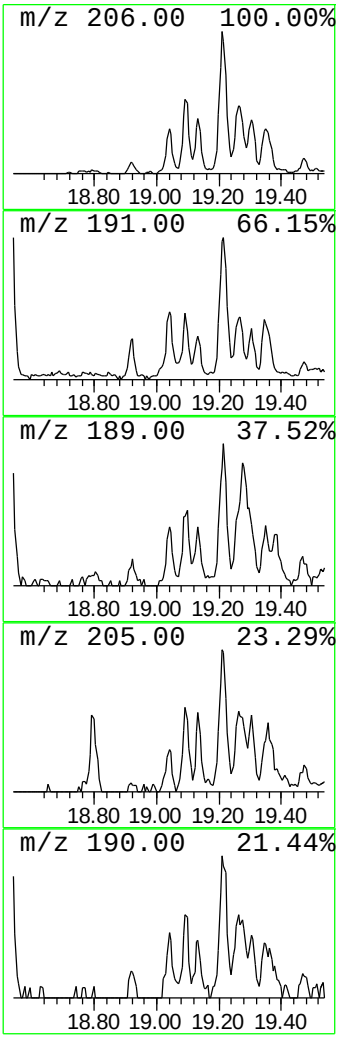
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	2.63 ng/ul	45843	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	95
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91





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Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

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Quant Title : SVOA CALIBRATION

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

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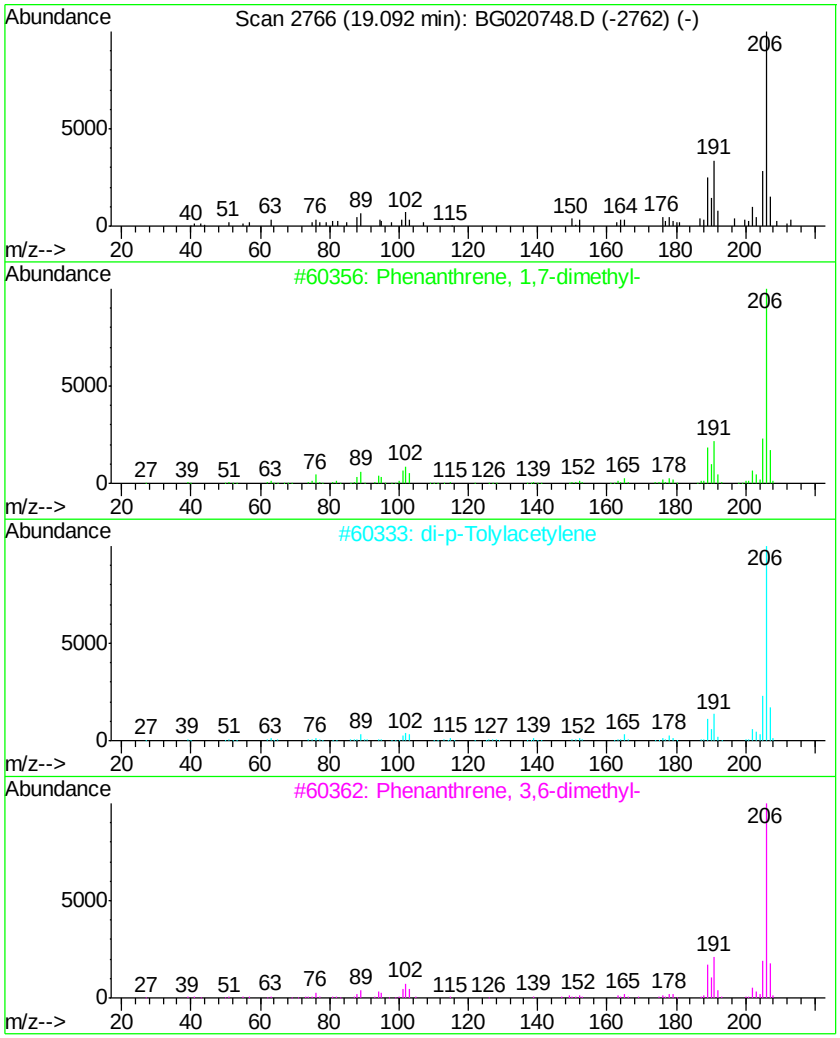
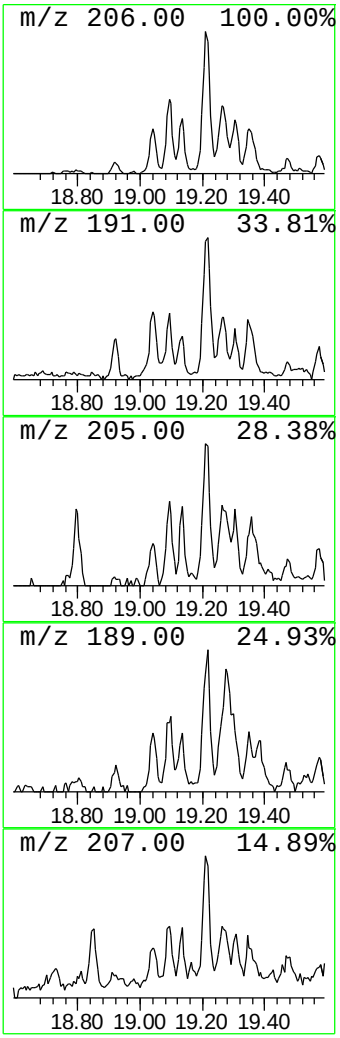
Peak Number 16 Phenanthrene, 1,7-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	2.19 ng/ul	38223	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83





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Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

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Quant Title : SVOA CALIBRATION

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

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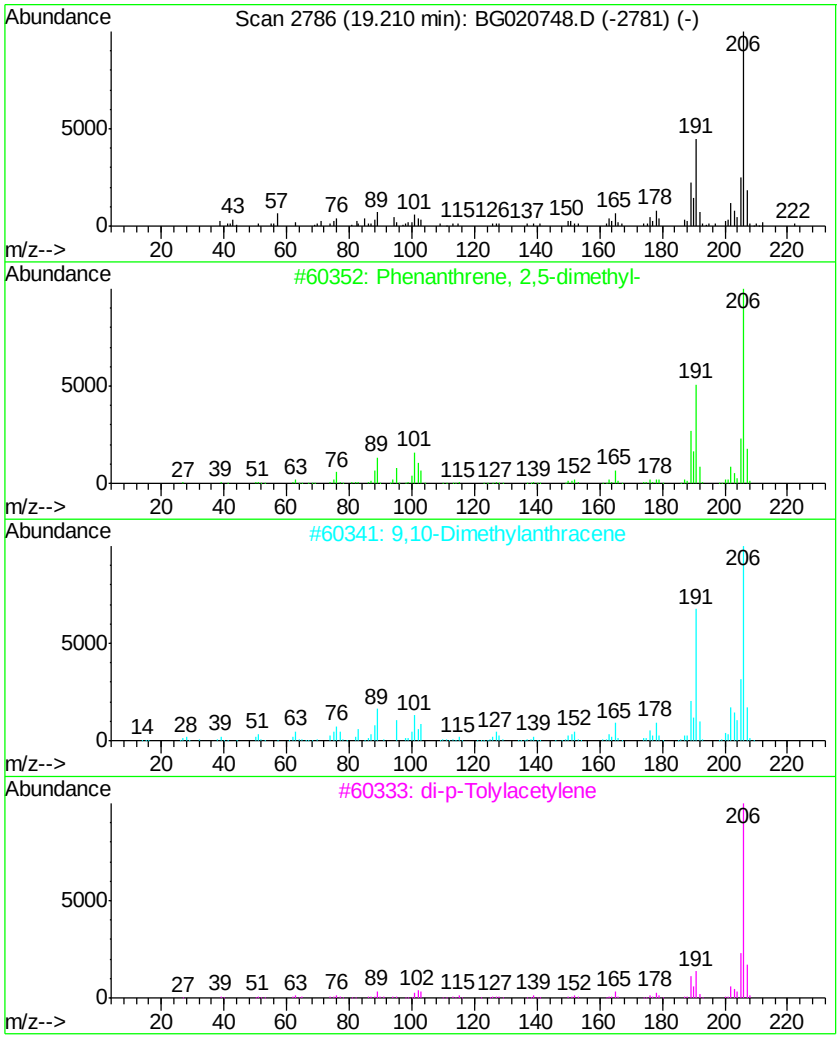
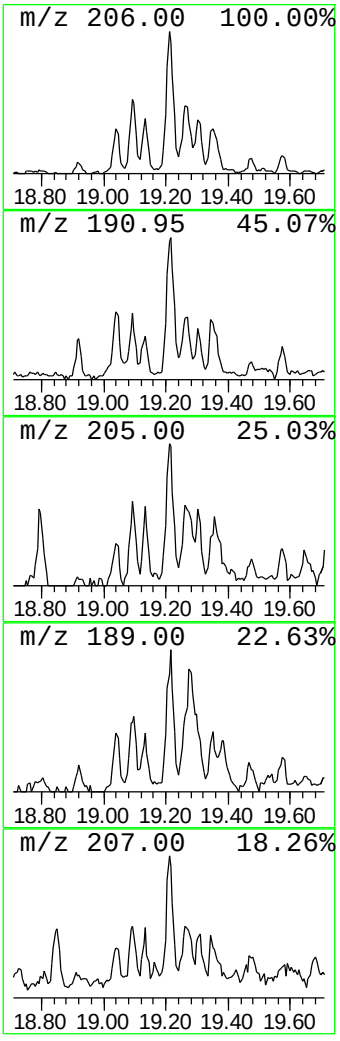
Peak Number 17 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	5.87 ng/ul	102340	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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Operator : SJ/IZ
Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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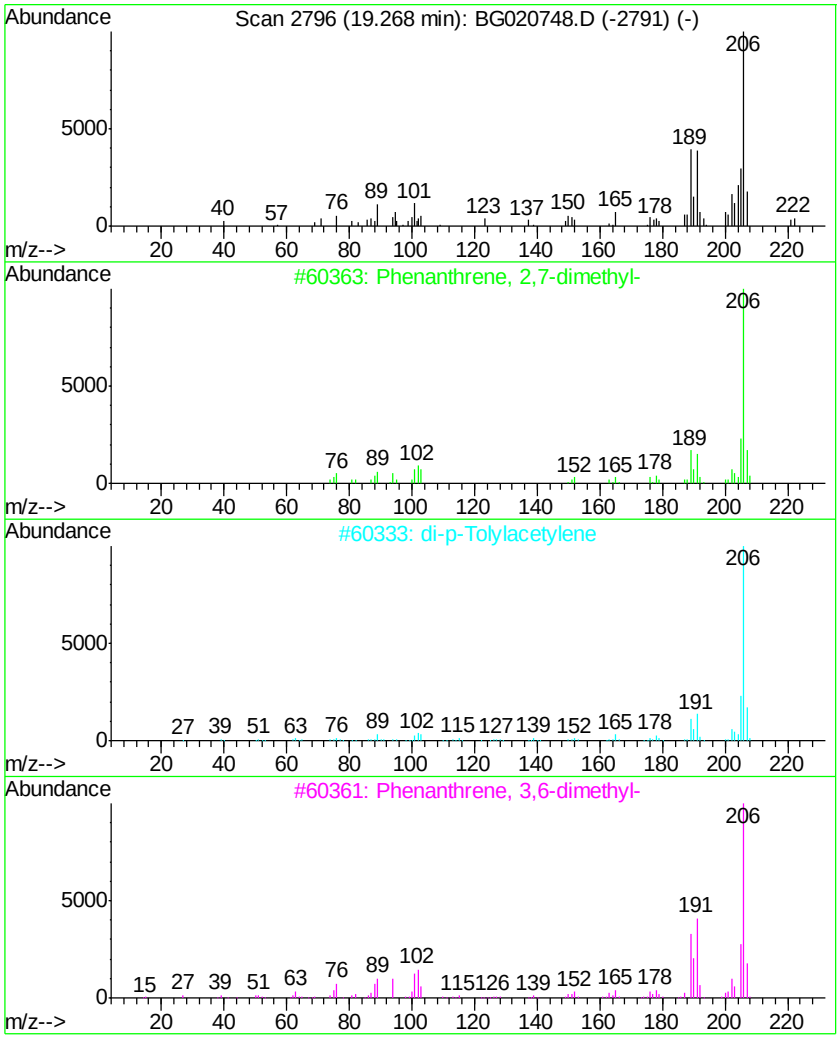
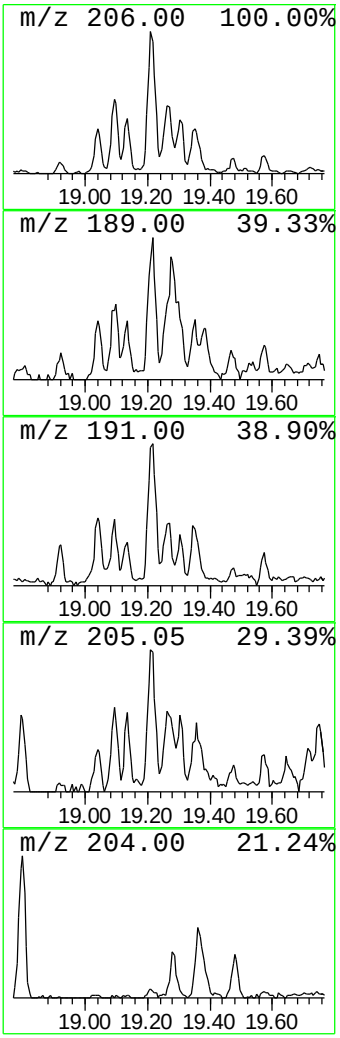
Peak Number 18 Phenanthrene, 2,7-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	2.25 ng/ul	39214	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83





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Operator : SJ/IZ
Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

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Quant Title : SVOA CALIBRATION

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

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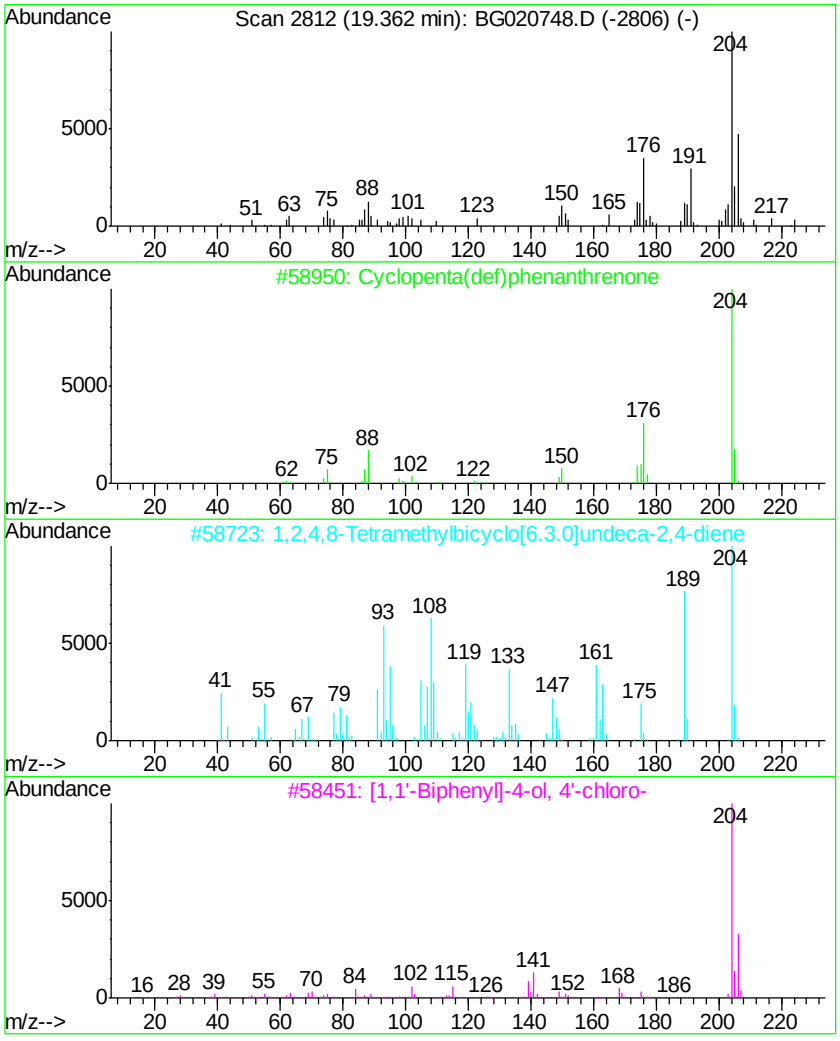
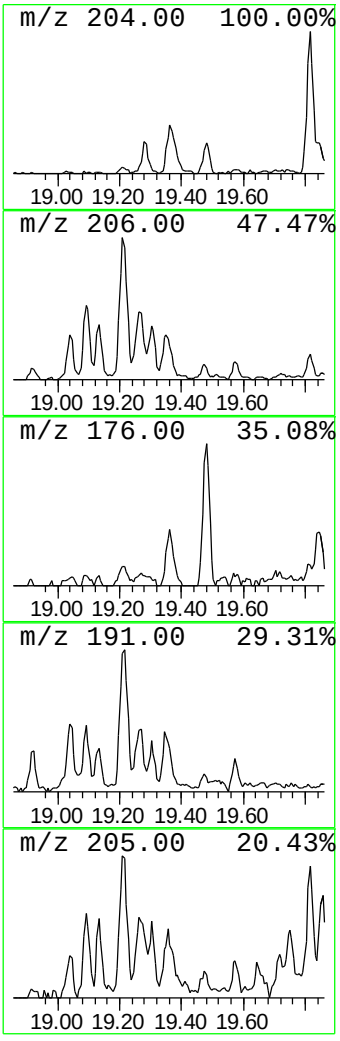
Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	4.10 ng/ul	71403	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
4	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	43
5	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43





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Acq On : 15 Jan 2016 12:06
Operator : SJ/IZ
Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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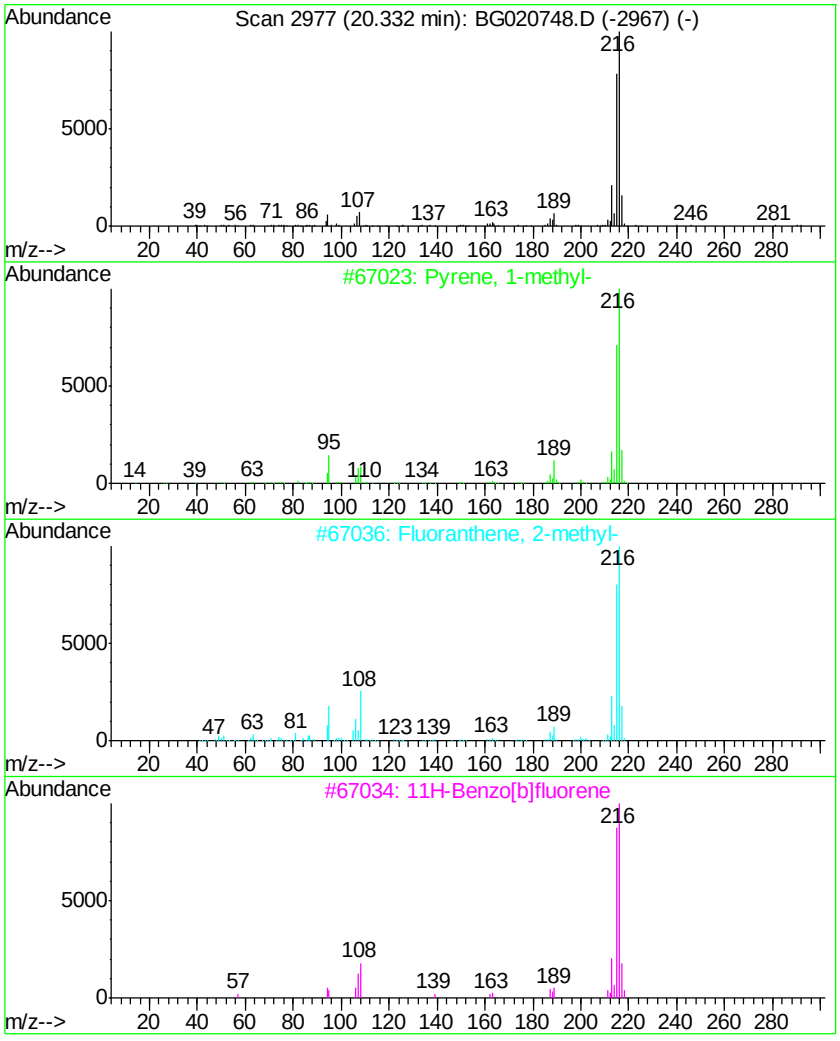
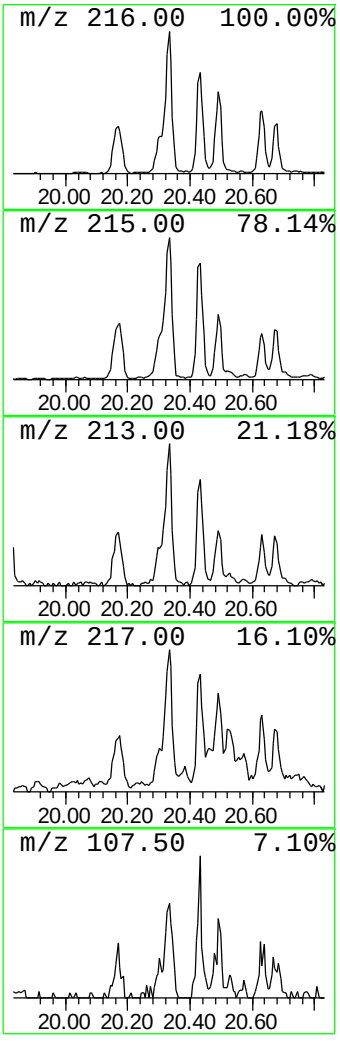
Peak Number 21 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	4.95 ng/ul	231262	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020748.D
Acq On : 15 Jan 2016 12:06
Operator : SJ/IZ
Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

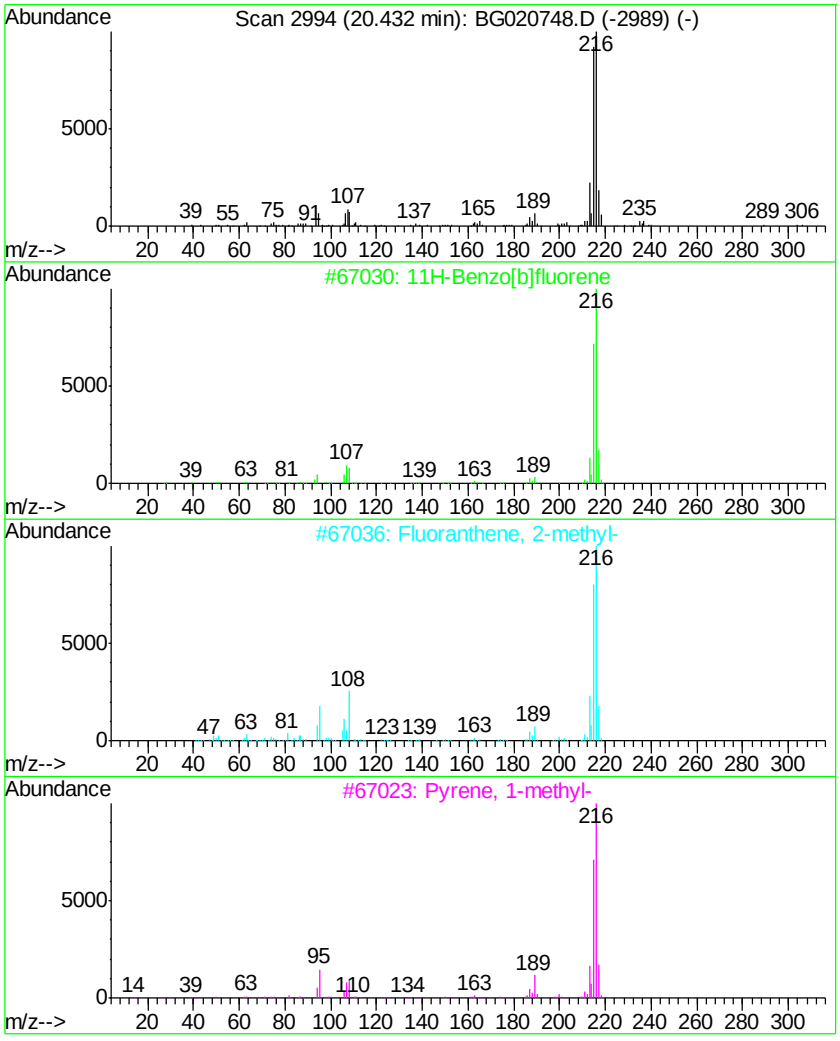
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

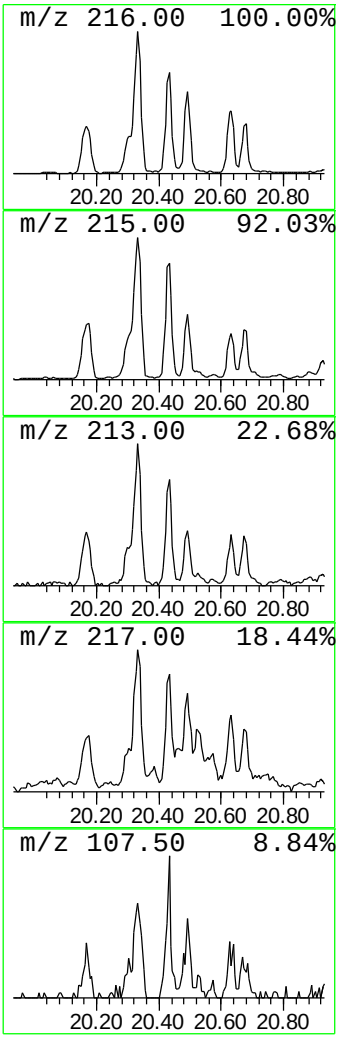
****

Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	2.85 ng/ul	133014	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020748.D
Acq On : 15 Jan 2016 12:06
Operator : SJ/IZ
Sample : H1101-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.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
3-Penten-2-one	3.09	12.3	ng/ul	71000	1	8.05	115183	20.0
Butane, 2-methoxy...	3.13	33.1	ng/ul	190898	1	8.05	115183	20.0
2-Hexene, 1-metho...	3.19	6.1	ng/ul	34999	1	8.05	115183	20.0
unknown-01	3.95	12.0	ng/ul	69049	1	8.05	115183	20.0
unknown-02	4.40	4.1	ng/ul	23424	1	8.05	115183	20.0
(DEL) Alkane: Cyc...	4.82	3.5	ng/ul	19942	1	8.05	115183	20.0
Phenanthrene, 1-m...	18.30	5.5	ng/ul	95315	4	17.43	348487	20.0
4H-Cyclopenta[def...	18.50	8.9	ng/ul	155678	4	17.43	348487	20.0
Anthracene, 2-met...	18.53	3.0	ng/ul	51964	4	17.43	348487	20.0
2-Phenylnaphthalene	18.80	3.2	ng/ul	55034	4	17.43	348487	20.0
9,10-Anthracenedione	18.85	5.0	ng/ul	86608	4	17.43	348487	20.0
Phenanthrene, 2,5...	19.04	2.6	ng/ul	45843	4	17.43	348487	20.0
Phenanthrene, 1,7...	19.09	2.2	ng/ul	38223	4	17.43	348487	20.0
9,10-Dimethylanth...	19.21	5.9	ng/ul	102340	4	17.43	348487	20.0
Phenanthrene, 2,7...	19.27	2.3	ng/ul	39214	4	17.43	348487	20.0
Cyclopenta(def)ph...	19.36	4.1	ng/ul	71403	4	17.43	348487	20.0
Pyrene, 1-methyl-	20.33	5.0	ng/ul	231262	5	21.70	933605	20.0
11H-Benzo[b]fluorene	20.43	2.9	ng/ul	133014	5	21.70	933605	20.0