LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019680.D
Acq On : 18 Nov 2015 4:01
Operator : UM/NP
Sample : G4427-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D0

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-BG111615.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	3.084	37	42	50	rVV2	62601	113641	5.08%	0.393%
2	3.166	50	56	74	rVV	1267972	1791978	80.04%	6.195%
3	7.291	752	758	768	rVB	72585	131246	5.86%	0.454%
4	7.461	778	787	796	rBV	62821	97538	4.36%	0.337%
5	7.673	815	823	830	rBV	70743	120551	5.38%	0.417%
6	8.149	898	904	911	rVB	101752	166923	7.46%	0.577%
7	8.854	1016	1024	1031	rBV	101644	168603	7.53%	0.583%
8	9.318	1096	1103	1111	rBV	79161	138224	6.17%	0.478%
9	10.046	1221	1227	1235	rBV	70233	124048	5.54%	0.429%
10	10.593	1313	1320	1326	rBV	99921	177183	7.91%	0.613%
11	10.975	1379	1385	1391	rBV	146502	263390	11.76%	0.911%
12	11.028	1391	1394	1401	rVB2	29735	46609	2.08%	0.161%
13	11.110	1401	1408	1415	rBV	81027	148205	6.62%	0.512%
14	14.177	1923	1930	1934	rBV	235299	346143	15.46%	1.197%
15	14.224	1934	1938	1945	rVV	173889	251218	11.22%	0.868%
16	14.477	1974	1981	1997	rBV	211093	379056	16.93%	1.310%
17	14.782	2027	2033	2039	rVV2	287354	476614	21.29%	1.648%
18	14.847	2039	2044	2051	rVB	115107	178681	7.98%	0.618%
19	14.970	2059	2065	2074	rBV	103213	177061	7.91%	0.612%
20	15.176	2093	2100	2106	rBV3	45744	74001	3.31%	0.256%
21	15.387	2130	2136	2142	rBV5	18807	35737	1.60%	0.124%
22	15.558	2158	2165	2168	rBV6	15305	32786	1.46%	0.113%
23	15.599	2168	2172	2176	rVB2	32306	41633	1.86%	0.144%
24	15.769	2191	2201	2206	rBV	326592	490981	21.93%	1.697%
25	15.822	2206	2210	2216	rVB3	102865	166687	7.45%	0.576%
26	15.881	2216	2220	2224	rBV	48539	64440	2.88%	0.223%
27	15.986	2234	2238	2243	rBV7	20367	34549	1.54%	0.119%
28	16.116	2255	2260	2265	rVB	58588	93101	4.16%	0.322%
29	16.263	2275	2285	2292	rBV3	68415	154869	6.92%	0.535%
30	16.486	2320	2323	2329	rVB4	30617	48350	2.16%	0.167%
31	16.821	2372	2380	2385	rVV3	53876	114807	5.13%	0.397%
32	16.968	2401	2405	2410	rVB2	32953	49664	2.22%	0.172%
33	17.050	2412	2419	2423	rBV3	47832	91452	4.08%	0.316%
34	17.091	2423	2426	2430	rVB4	26289	35617	1.59%	0.123%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019680.D
Acq On : 18 Nov 2015 4:01
Operator : UM/NP
Sample : G4427-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D0

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-BG111615.M
Title : SVOA CALIBRATION

35	17.179	2437	2441	2446	rVB4	29144	47718	2.13%	0.165%
36	17.250	2447	2453	2459	rBV2	52112	94269	4.21%	0.326%
37	17.344	2464	2469	2476	rVB	65843	113381	5.06%	0.392%
38	17.526	2492	2500	2503	rBV	441704	694194	31.01%	2.400%
39	17.567	2503	2507	2512	rVV	633734	918807	41.04%	3.176%
40	17.620	2512	2516	2519	rVV2	364434	529051	23.63%	1.829%
41	17.655	2519	2522	2527	rVV	278400	381435	17.04%	1.319%
42	17.708	2527	2531	2536	rVB3	26638	49110	2.19%	0.170%
43	18.031	2583	2586	2594	rVB2	33081	52464	2.34%	0.181%
44	18.243	2615	2622	2629	rVB5	16129	36496	1.63%	0.126%
45	18.395	2642	2648	2652	rBV	128708	200771	8.97%	0.694%
46	18.442	2652	2656	2662	rVB	175493	247084	11.04%	0.854%
47	18.519	2664	2669	2675	rBV	113701	165590	7.40%	0.572%
48	18.595	2675	2682	2686	rBV3	251099	470847	21.03%	1.628%
49	18.883	2726	2731	2736	rBV	135513	188467	8.42%	0.652%
50	19.124	2768	2772	2776	rBV4	44164	63409	2.83%	0.219%
51	19.177	2778	2781	2784	rVB	31922	34973	1.56%	0.121%
52	19.218	2784	2788	2794	rVB3	32933	58899	2.63%	0.204%
53	19.294	2795	2801	2805	rBV2	100092	173737	7.76%	0.601%
54	19.365	2808	2813	2816	rBV2	54564	83678	3.74%	0.289%
55	19.435	2821	2825	2828	rBV2	34868	52467	2.34%	0.181%
56	19.565	2840	2847	2853	rBV	1501924	2198789	98.21%	7.602%
57	19.612	2853	2855	2859	rVB3	34907	46020	2.06%	0.159%
58	19.659	2859	2863	2867	rVB4	37365	50340	2.25%	0.174%
59	19.712	2867	2872	2876	rBV	148233	223493	9.98%	0.773%
60	19.806	2880	2888	2891	rBV3	43319	96166	4.30%	0.332%
61	19.894	2897	2903	2906	rBV2	645148	1120173	50.04%	3.873%
62	19.929	2906	2909	2916	rVV	1072162	1463267	65.36%	5.059%
63	19.994	2916	2920	2926	rVB3	90799	152137	6.80%	0.526%
64	20.099	2933	2938	2943	rVB	106350	153692	6.87%	0.531%
65	20.146	2944	2946	2955	rVB6	24242	48031	2.15%	0.166%
66	20.240	2956	2962	2969	rBV2	110703	276978	12.37%	0.958%
67	20.411	2979	2991	2997	rVB	317887	628492	28.07%	2.173%
68	20.511	3000	3008	3012	rBV	319647	481863	21.52%	1.666%
69	20.569	3012	3018	3022	rVB2	117838	218860	9.78%	0.757%
70	20.663	3027	3034	3038	rVV2	93895	192402	8.59%	0.665%
71	20.710	3038	3042	3045	rVV	79823	132412	5.91%	0.458%

LSC Area Percent Report

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Data File : BG019680.D
Acq On : 18 Nov 2015 4:01
Operator : UM/NP
Sample : G4427-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D0

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-BG111615.M
Title : SVOA CALIBRATION

72	20.751	3046	3049	3059	rVB4	104702	203340	9.08%	0.703%
73	20.998	3088	3091	3094	rBV5	42446	60824	2.72%	0.210%
74	21.128	3109	3113	3118	rBV4	46814	83461	3.73%	0.289%
75	21.180	3118	3122	3128	rVB4	48145	89394	3.99%	0.309%
76	21.363	3150	3153	3157	rBV	61775	88609	3.96%	0.306%
77	21.404	3157	3160	3165	rVB	124620	180706	8.07%	0.625%
78	21.462	3165	3170	3175	rBV3	76387	131866	5.89%	0.456%
79	21.780	3217	3224	3231	rBV2	876451	2238771	100.00%	7.740%
80	21.844	3231	3235	3247	rVB	534757	886197	39.58%	3.064%
81	21.997	3257	3261	3267	rBV	85004	136970	6.12%	0.474%
82	22.068	3269	3273	3277	rVV6	26769	44575	1.99%	0.154%
83	22.209	3292	3297	3304	rBV5	53441	118314	5.28%	0.409%
84	22.544	3347	3354	3359	rVB	101541	208323	9.31%	0.720%
85	22.608	3363	3365	3372	rVB2	53675	88741	3.96%	0.307%
86	22.761	3387	3391	3396	rVB4	53887	94844	4.24%	0.328%
87	22.820	3397	3401	3406	rBV3	43538	86348	3.86%	0.299%
88	22.967	3422	3426	3431	rVB4	30510	56609	2.53%	0.196%
89	24.059	3602	3612	3619	rBV2	300871	1080095	48.24%	3.734%
90	24.324	3649	3657	3668	rVB	103573	269876	12.05%	0.933%
91	24.529	3686	3692	3695	rBV5	27008	56712	2.53%	0.196%
92	24.806	3731	3739	3745	rBV2	133669	369022	16.48%	1.276%
93	24.882	3746	3752	3758	rVV	210066	546962	24.43%	1.891%
94	24.958	3758	3765	3775	rVB	288544	818892	36.58%	2.831%
95	25.111	3780	3791	3799	rBV	300021	908185	40.57%	3.140%
96	25.187	3801	3804	3818	rVV3	70745	206235	9.21%	0.713%
97	26.533	4029	4033	4037	rBV7	18254	34692	1.55%	0.120%
98	28.913	4427	4438	4461	rVB3	111993	590922	26.39%	2.043%
99	29.388	4509	4519	4520	rBV8	31767	67834	3.03%	0.235%
100	30.105	4630	4641	4652	rVB4	44103	212756	9.50%	0.736%

Sum of corrected areas: 28925623

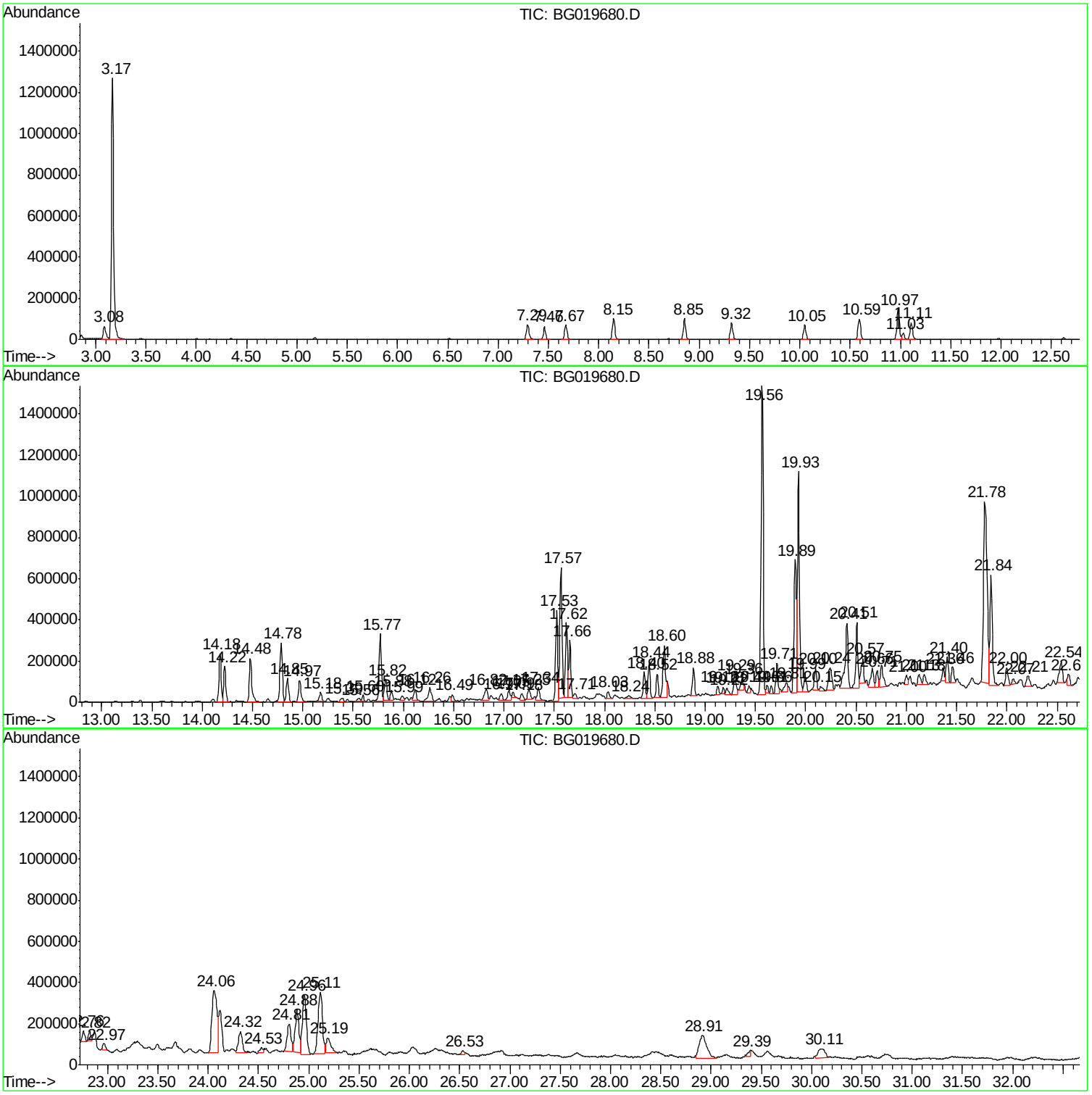
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019680.D
Acq On : 18 Nov 2015 4:01
Operator : UM/NP
Sample : G4427-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.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\BG111715\
Data File : BG019680.D
Acq On : 18 Nov 2015 4:01
Operator : UM/NP
Sample : G4427-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

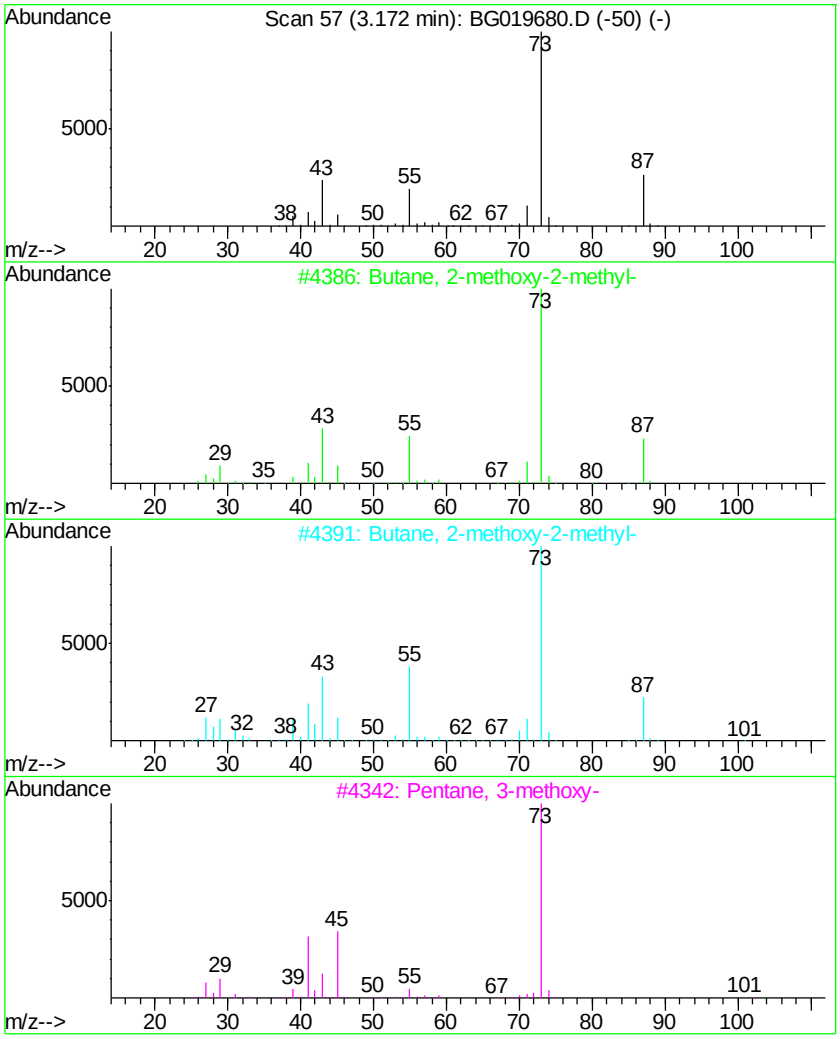
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

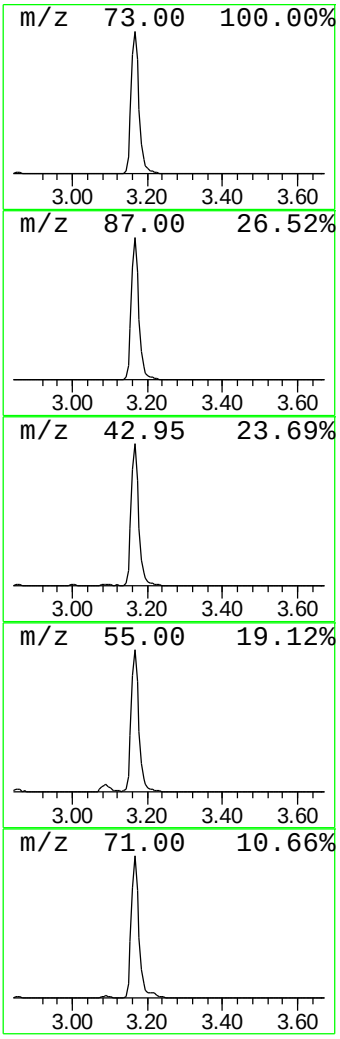
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	214.71 ng/ul	1791980	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	90
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019680.D
Acq On : 18 Nov 2015 4:01
Operator : UM/NP
Sample : G4427-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

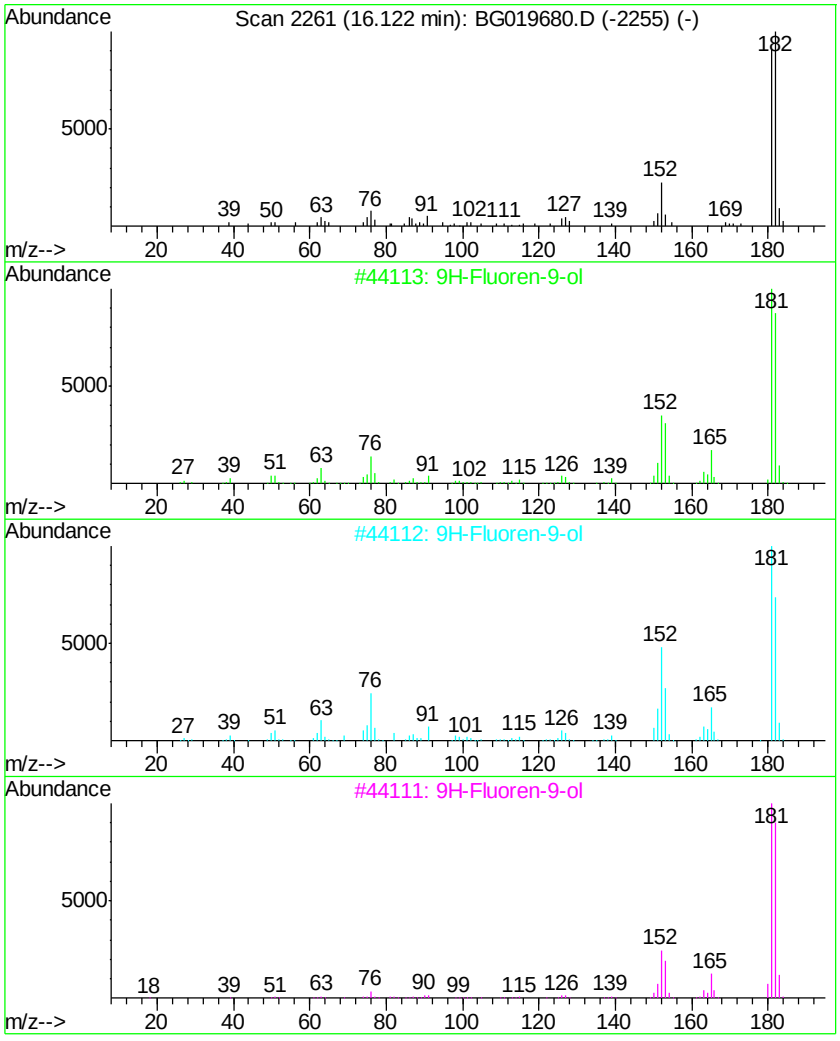
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

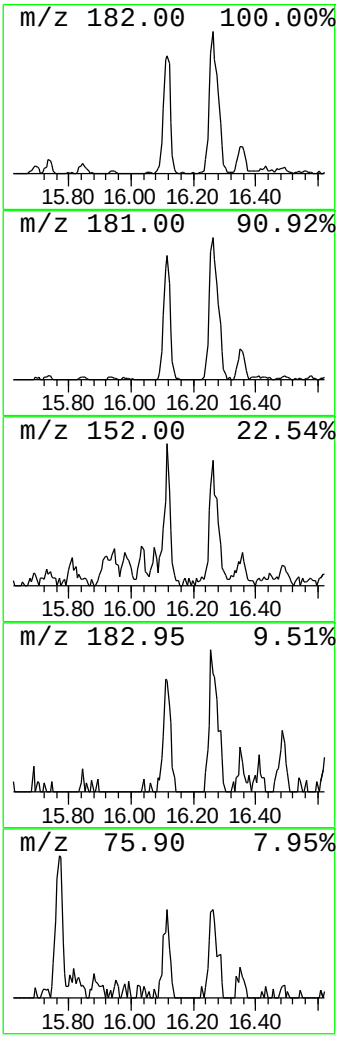
****

Peak Number 3 9H-Fluoren-9-ol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	3.91 ng/ul	93101	Acenaphthene-d10	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Xanthene	182	C13H10O	000092-83-1	72
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019680.D
Acq On : 18 Nov 2015 4:01
Operator : UM/NP
Sample : G4427-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

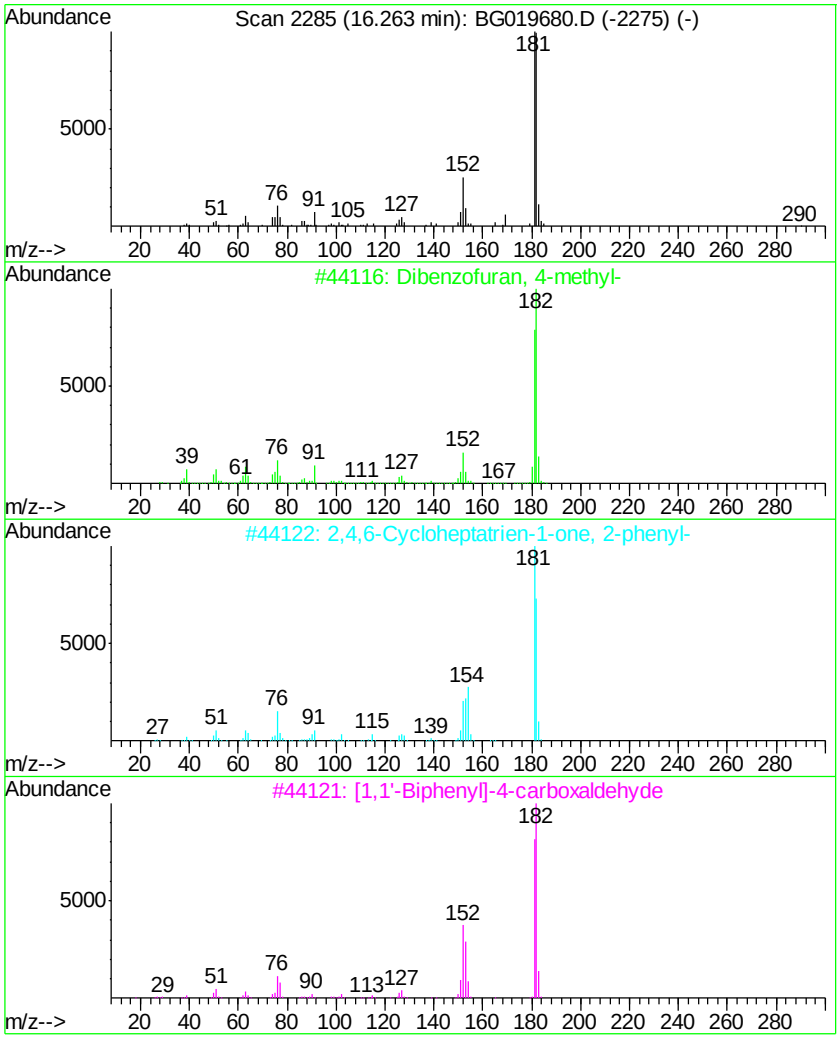
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

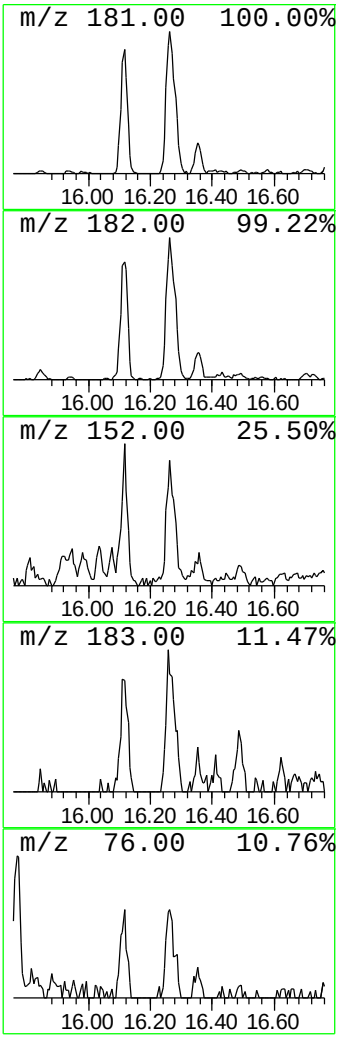
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.26	4.46 ng/ul	154869	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	76
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019680.D
Acq On : 18 Nov 2015 4:01
Operator : UM/NP
Sample : G4427-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

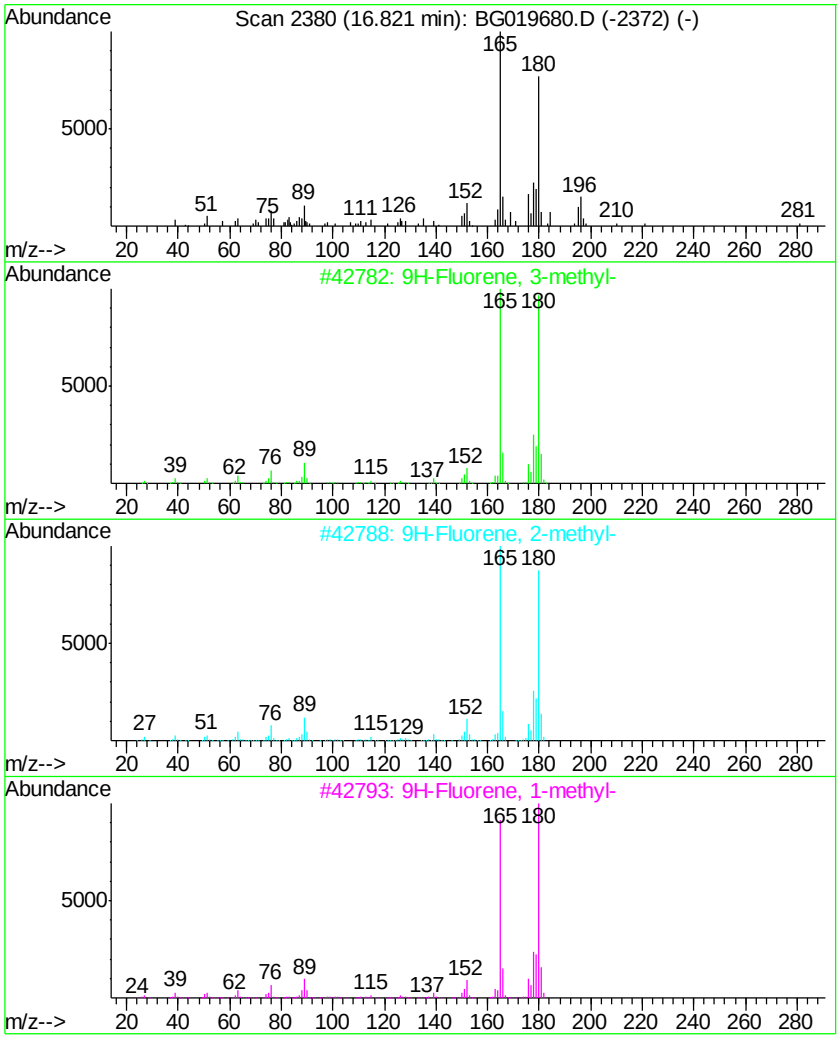
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

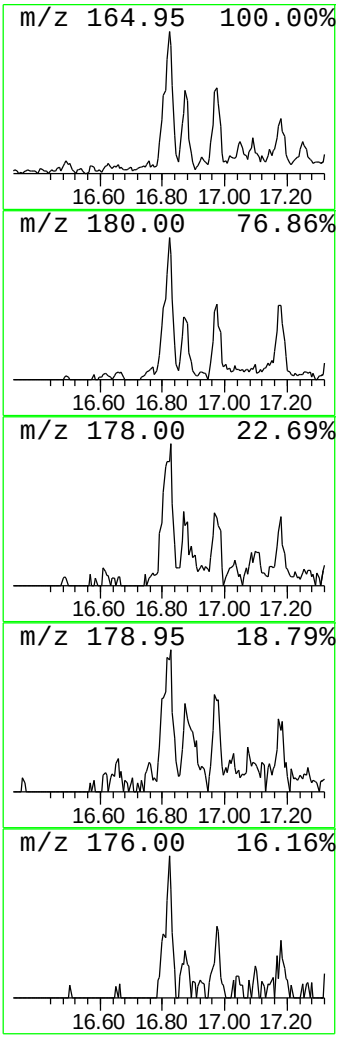
****

Peak Number 5 9H-Fluorene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	3.31 ng/ul	114807	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	68





Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019680.D
Acq On : 18 Nov 2015 4:01
Operator : UM/NP
Sample : G4427-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

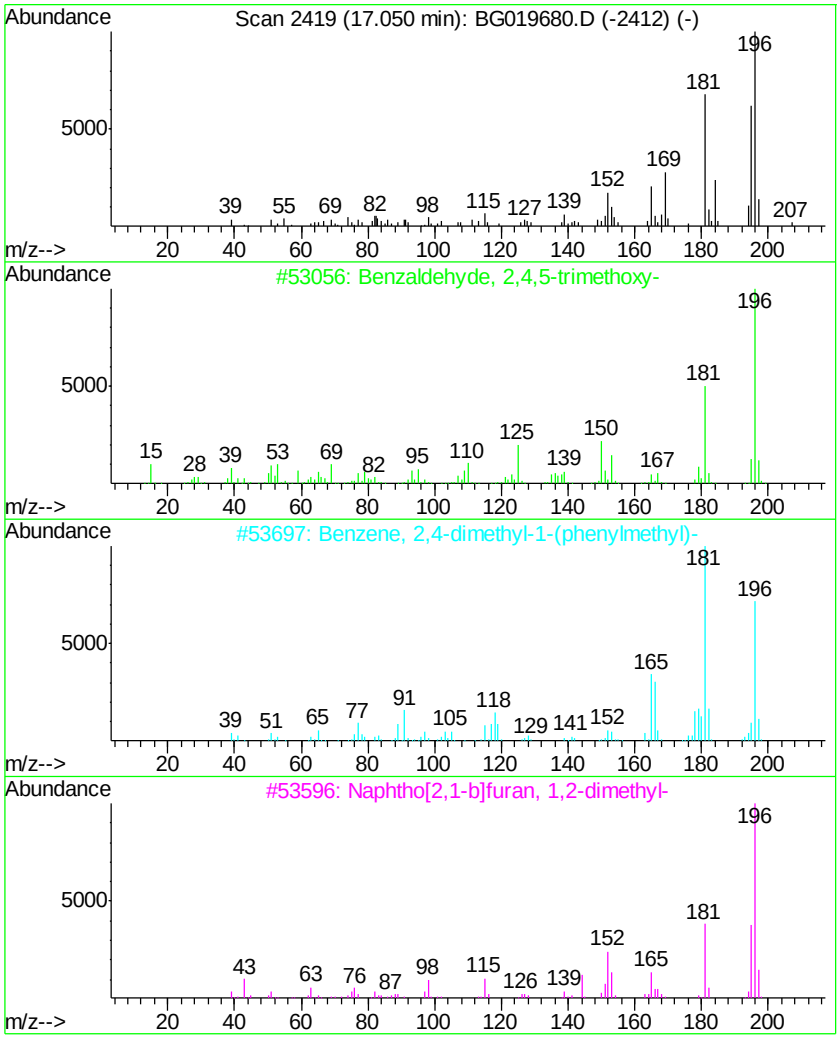
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

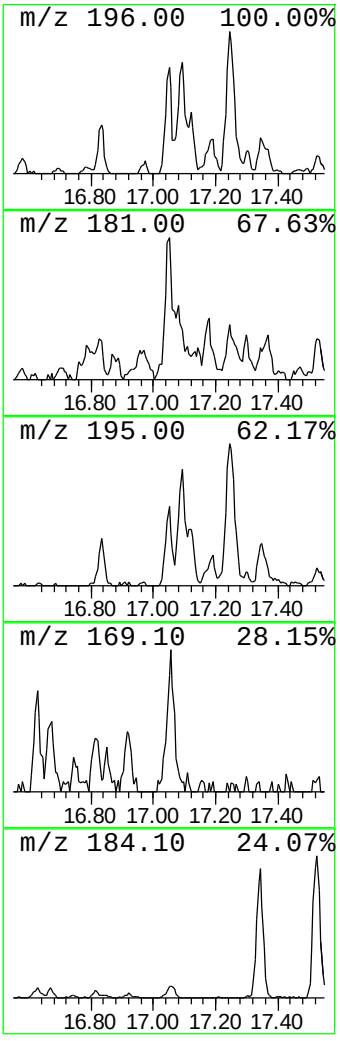
****

Peak Number 6 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.05	2.63 ng/ul	91452	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 2,4,5-trimethoxy-	196	C10H12O4	004460-86-0	47
2	Benzene, 2,4-dimethyl-1-(phenylm...	196	C15H16	028122-28-3	47
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	46
4	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	46
5	Silane, (4-methoxyphenoxy)trimet...	196	C10H16O2Si	006689-38-9	46





Library Search Compound Report

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Data File : BG019680.D
Acq On : 18 Nov 2015 4:01
Operator : UM/NP
Sample : G4427-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D0

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Quant Title : SVOA CALIBRATION

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

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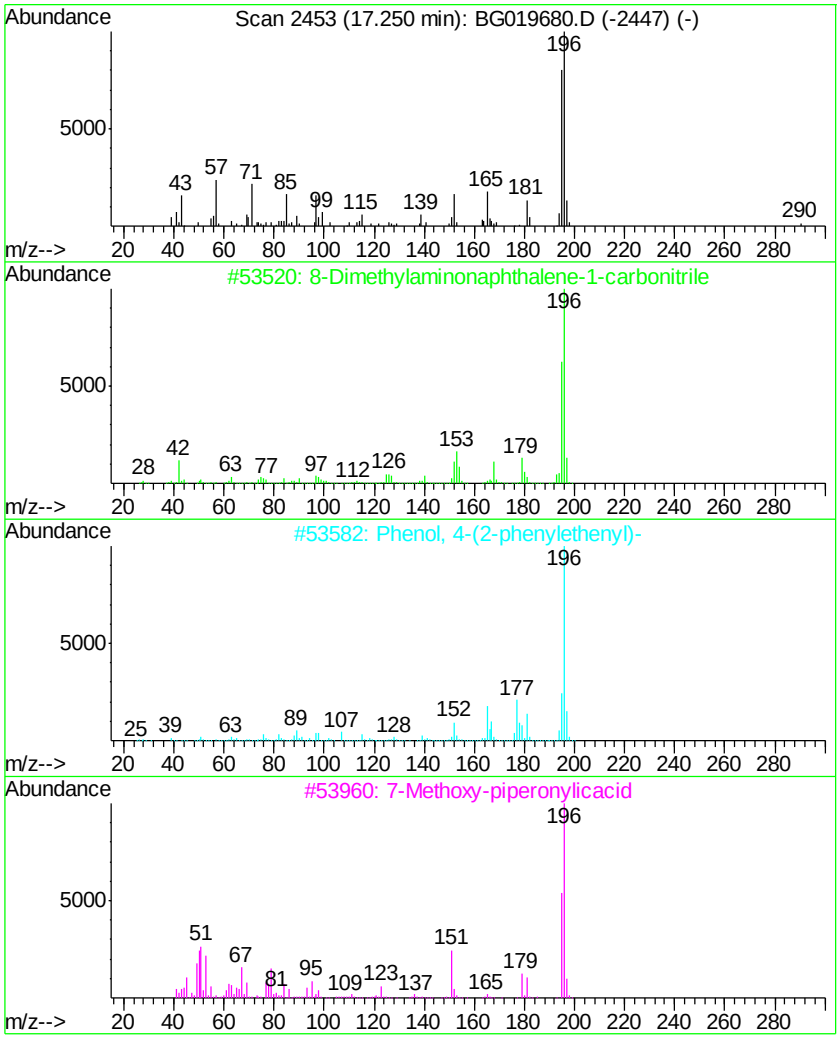
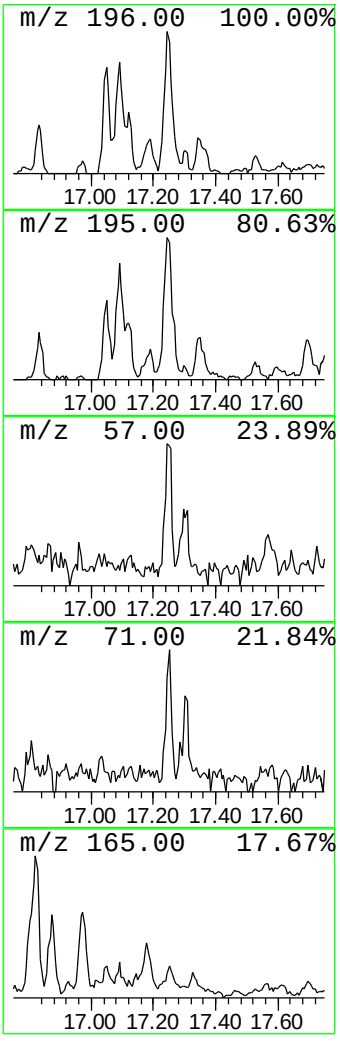
Peak Number 7 8-Dimethylaminonaphthalene-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	2.72 ng/ul	94269	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	60
3	7-Methoxy-piperonylicacid	196	C9H8O5	000526-34-1	59
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	46





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Acq On : 18 Nov 2015 4:01
Operator : UM/NP
Sample : G4427-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

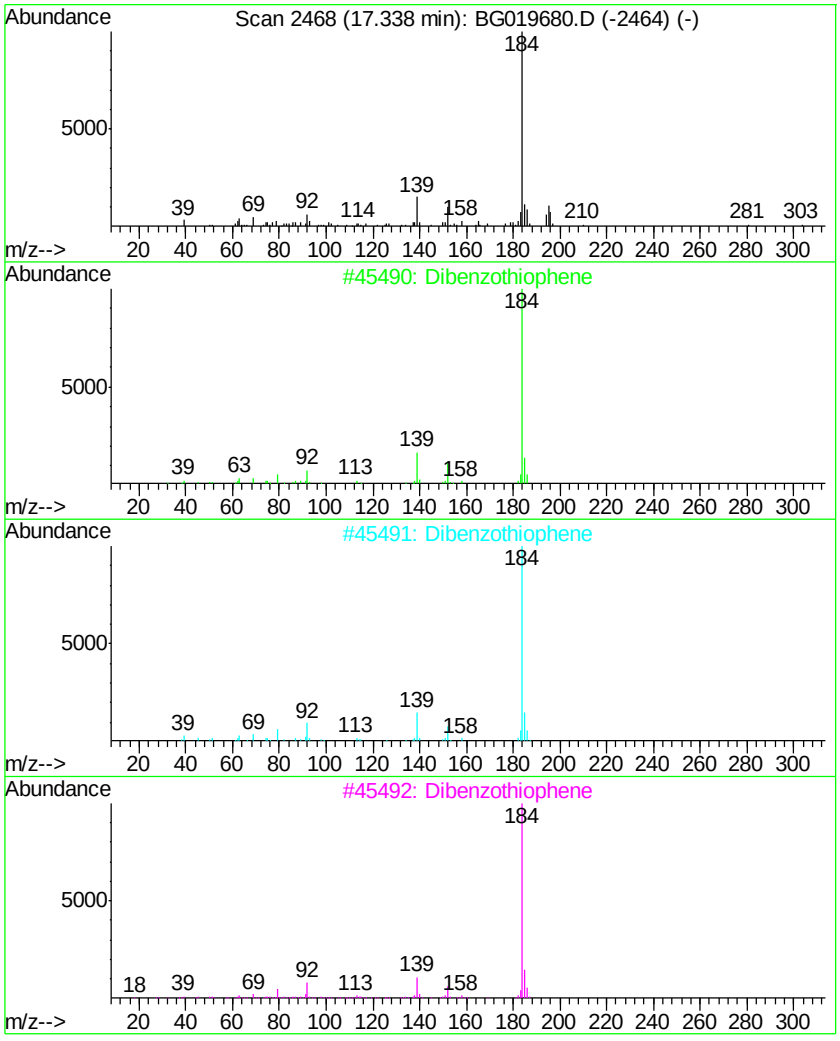
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

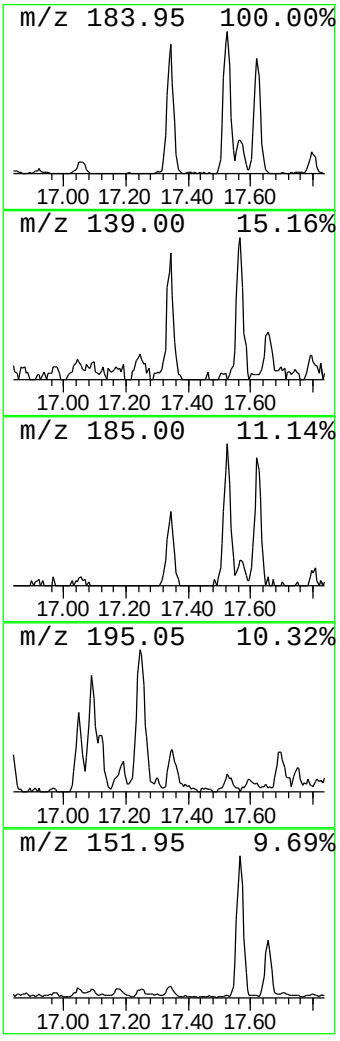
****

Peak Number 8 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.34	3.27 ng/ul	113381	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	81
3	Dibenzothiophene	184	C12H8S	000132-65-0	81
4	Dibenzothiophene	184	C12H8S	000132-65-0	81
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	76





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

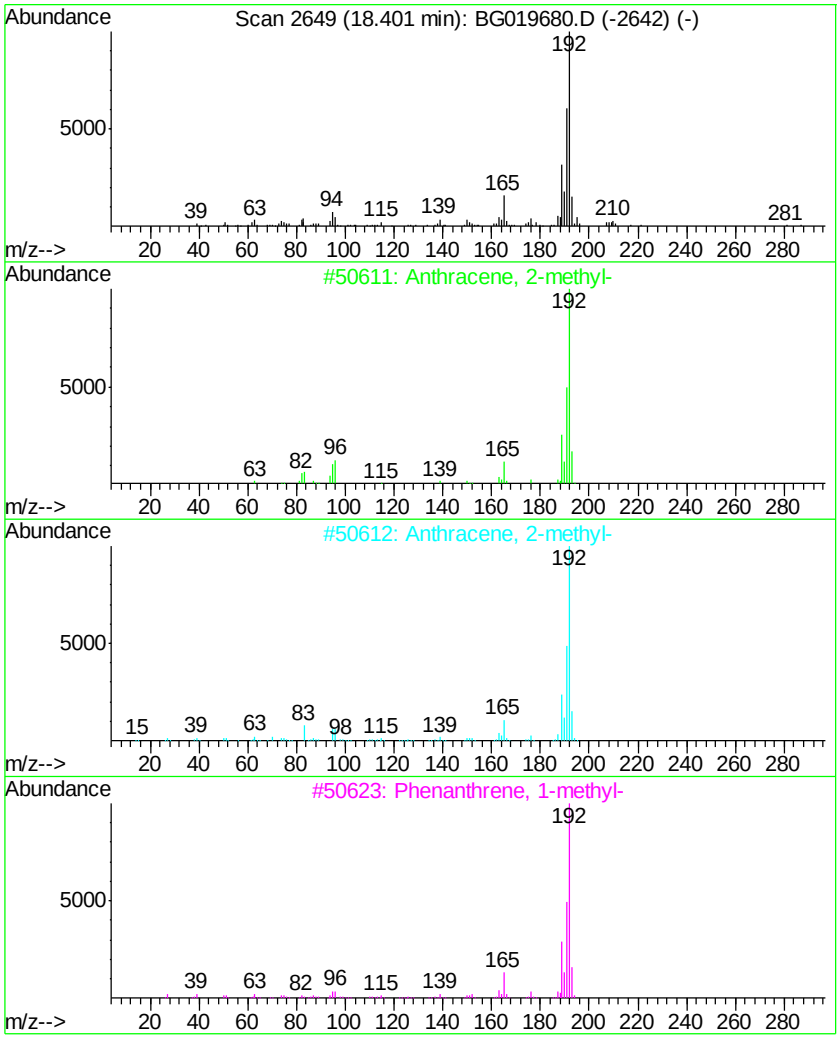
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

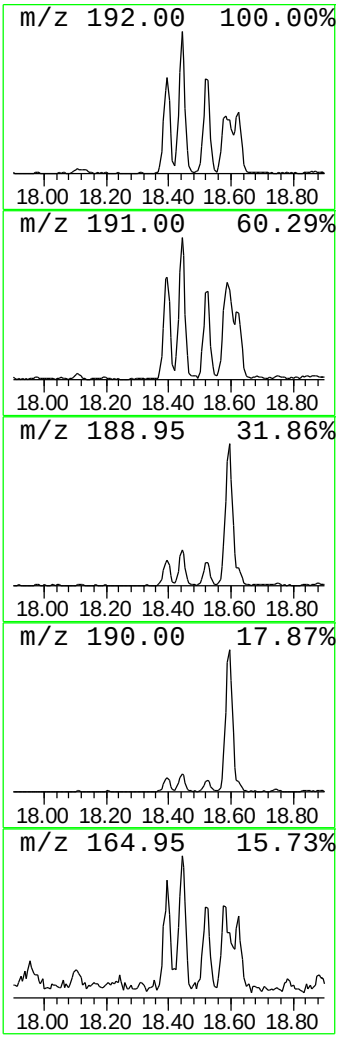
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	5.78 ng/ul	200771	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Library Search Compound Report

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Operator : UM/NP
Sample : G4427-11
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Instrument : BNA_G
ClientSampleId : BC7D0

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Quant Title : SVOA CALIBRATION

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

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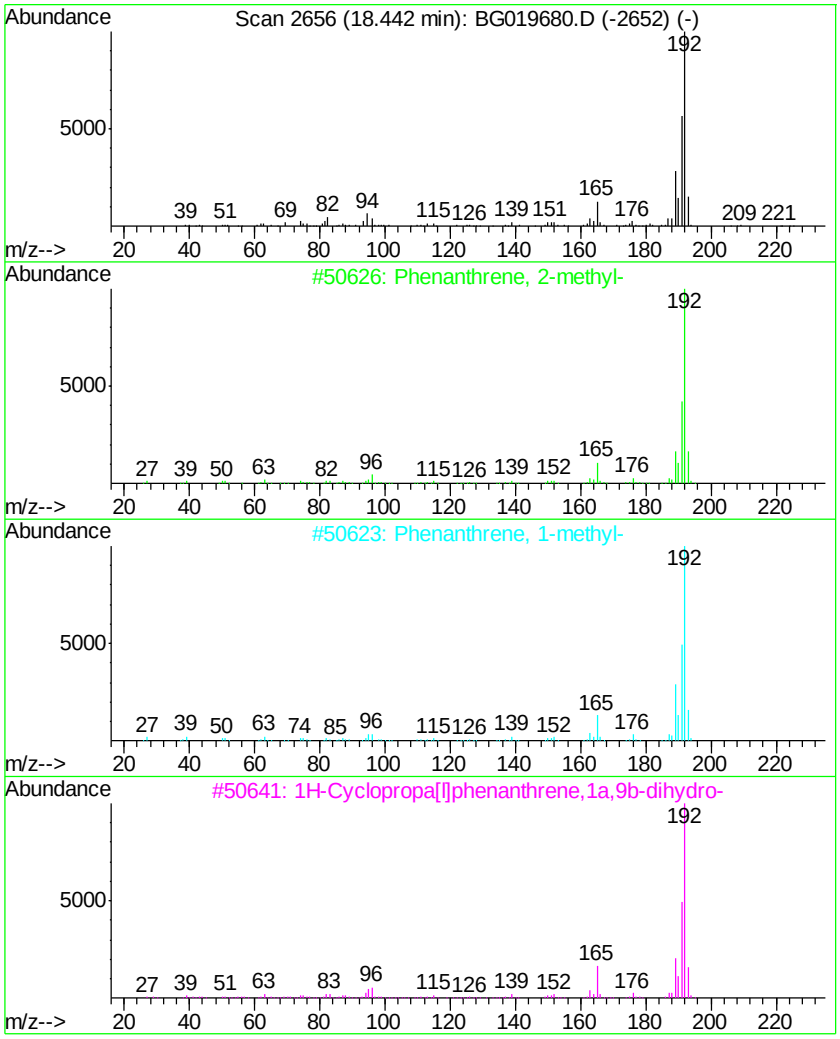
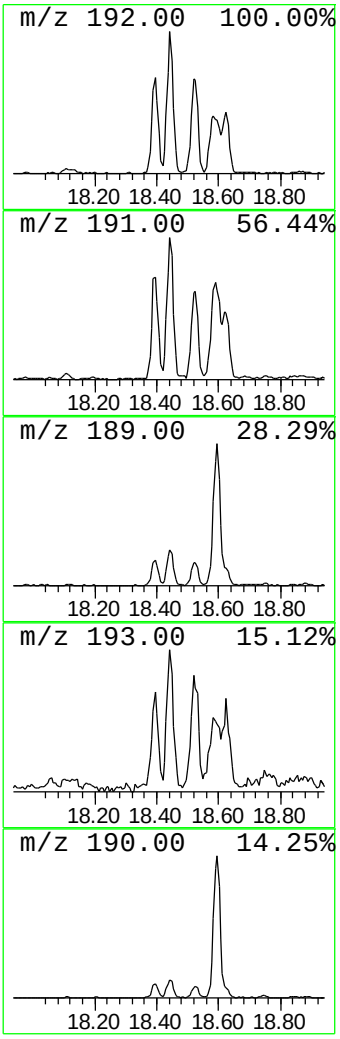
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	7.12 ng/ul	247084	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





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Operator : UM/NP
Sample : G4427-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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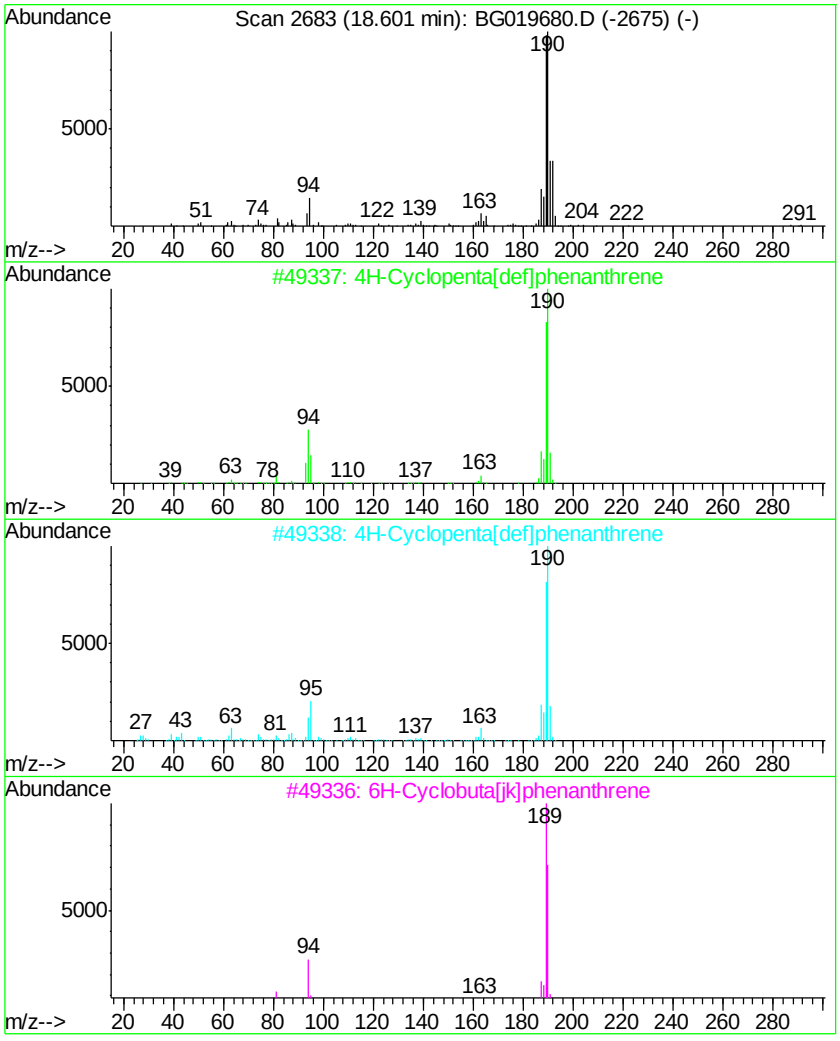
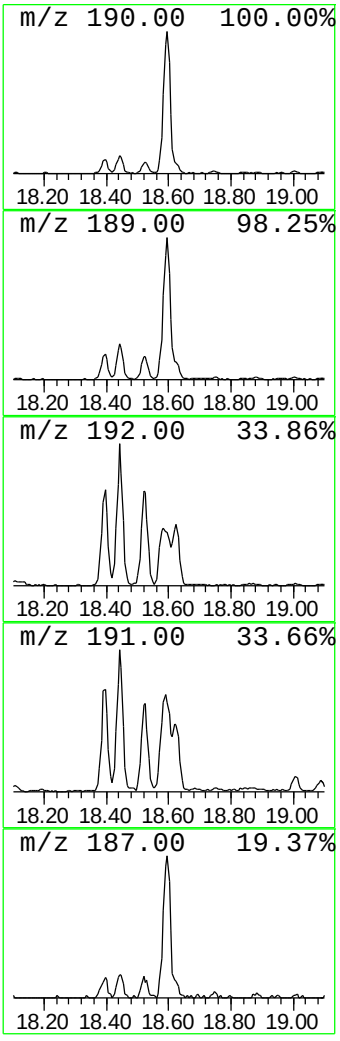
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	13.57 ng/ul	470847	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52





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Sample : G4427-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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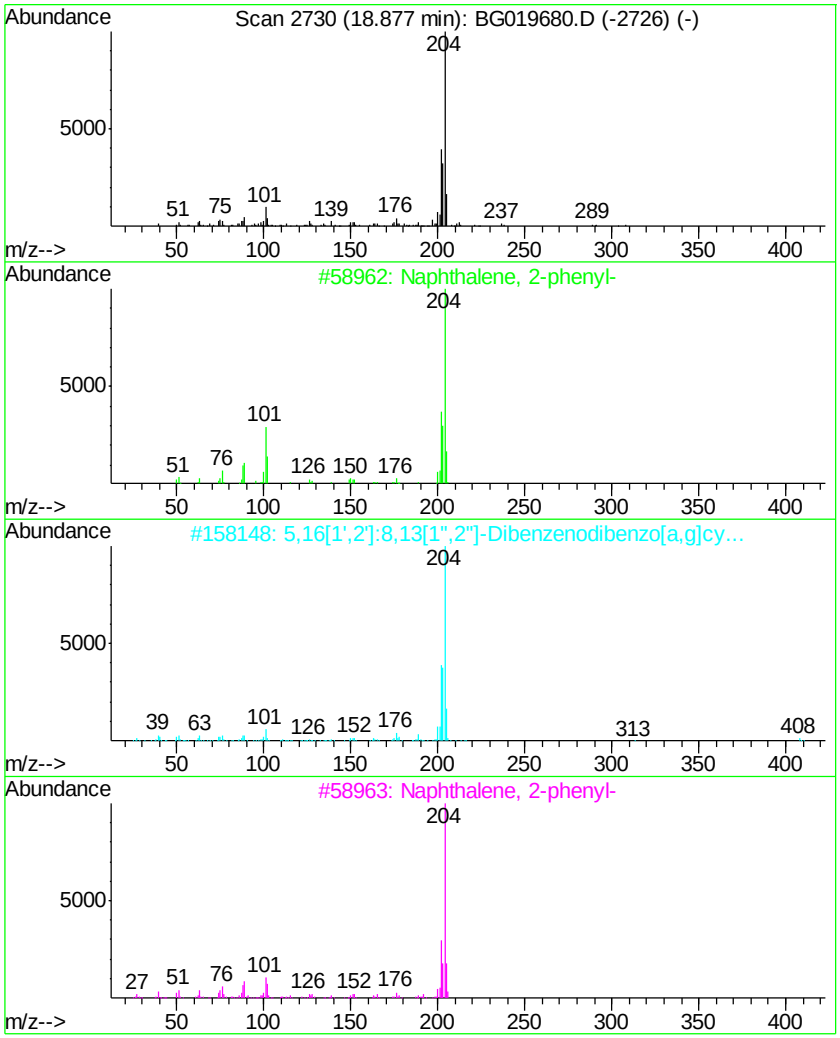
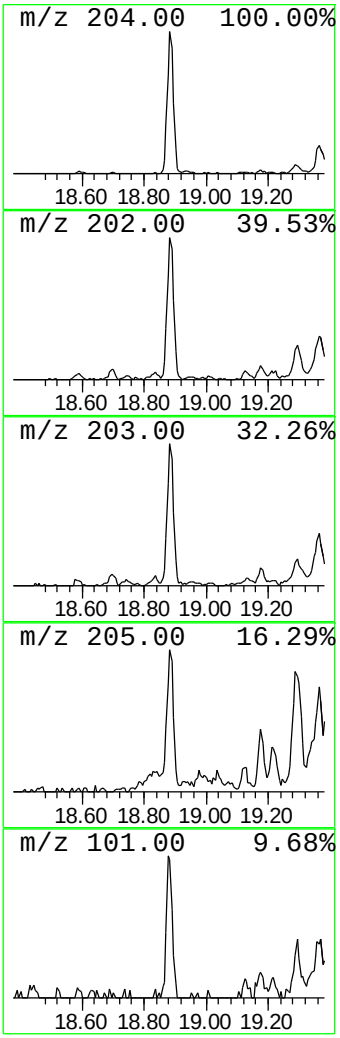
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	5.43 ng/ul	188467	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Sample : G4427-11
Misc :
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Instrument : BNA_G
ClientSampleId : BC7D0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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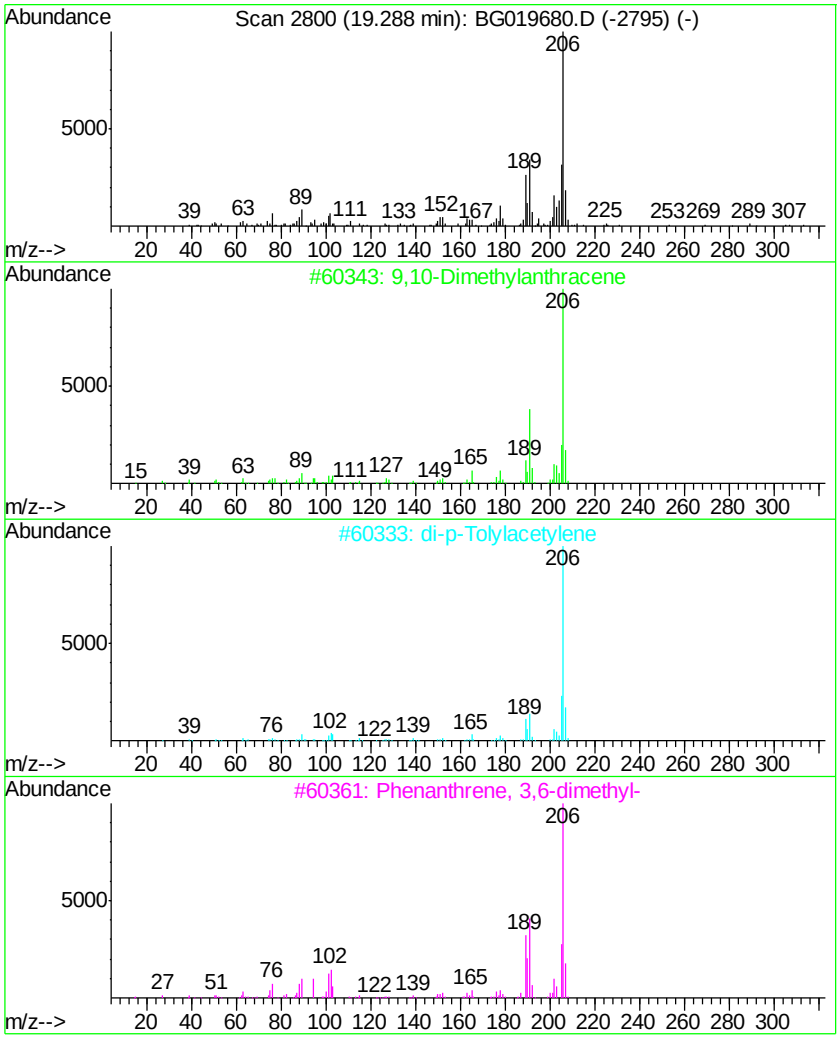
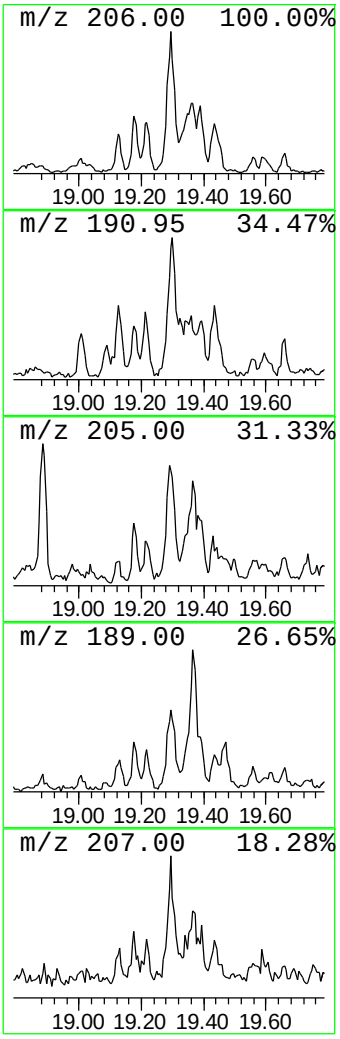
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	5.01 ng/ul	173737	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Operator : UM/NP
Sample : G4427-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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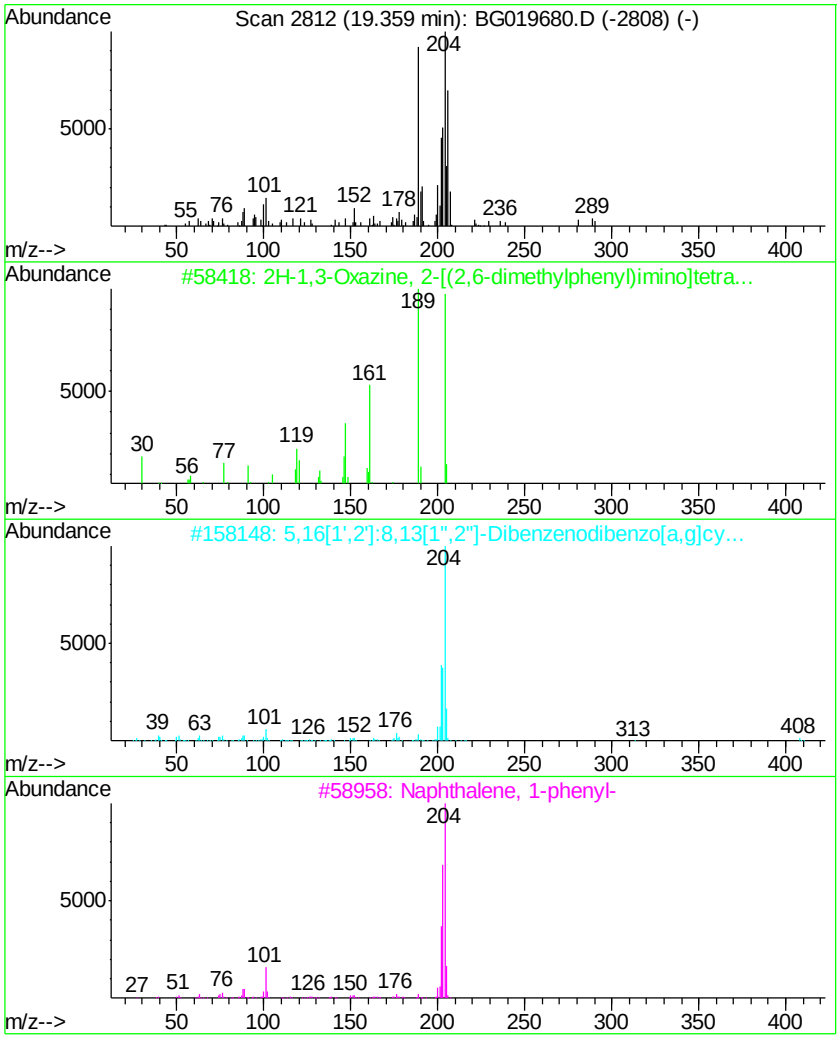
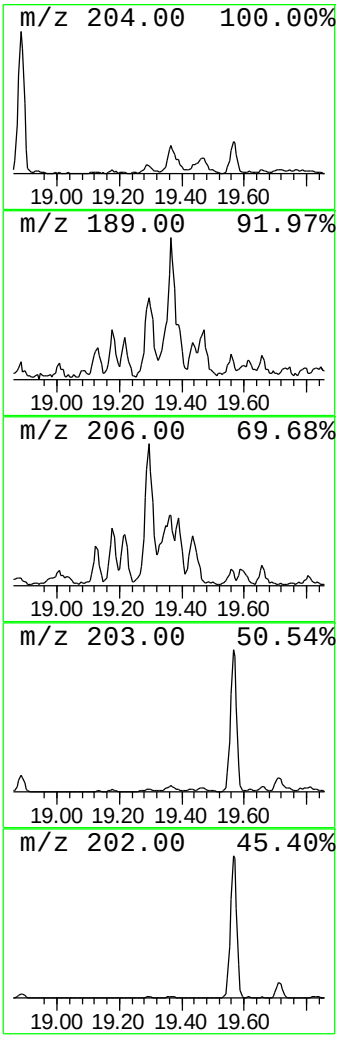
Peak Number 15 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	2.41 ng/ul	83678	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1,3-Oxazine, 2-[(2,6-dimethyl...	204	C12H16N2O	054708-09-7	38
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	27
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	27
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	25





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Instrument : BNA_G
ClientSampleId : BC7D0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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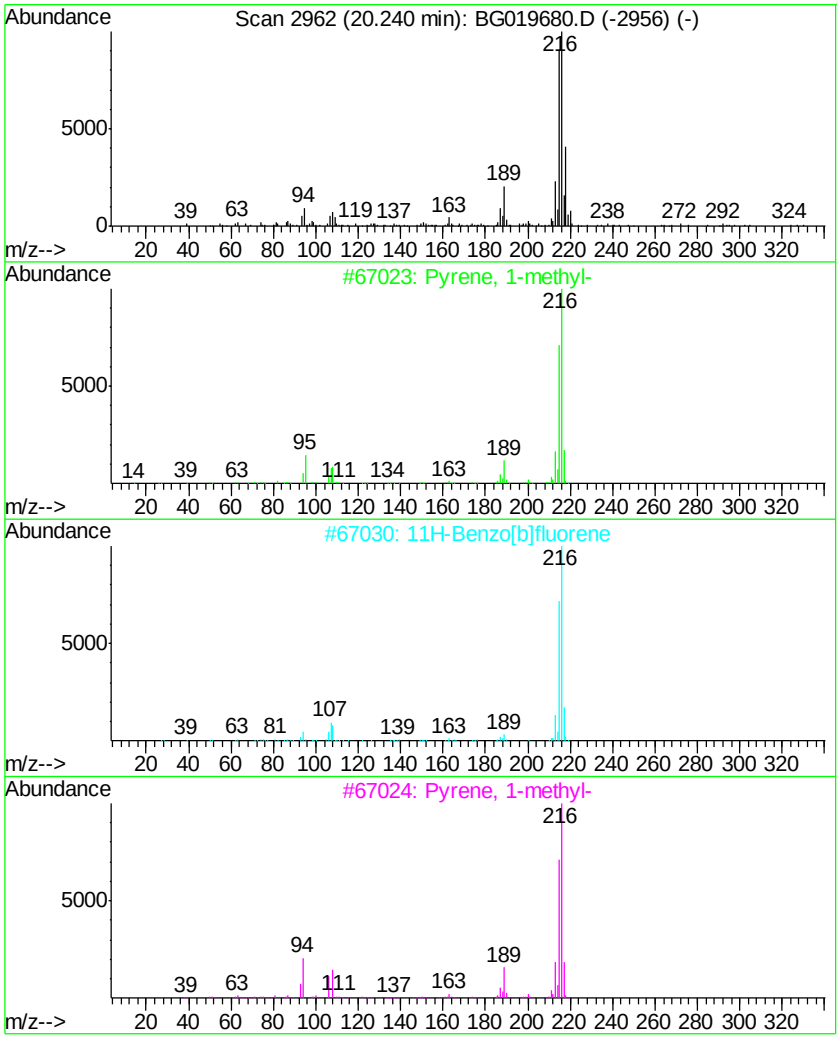
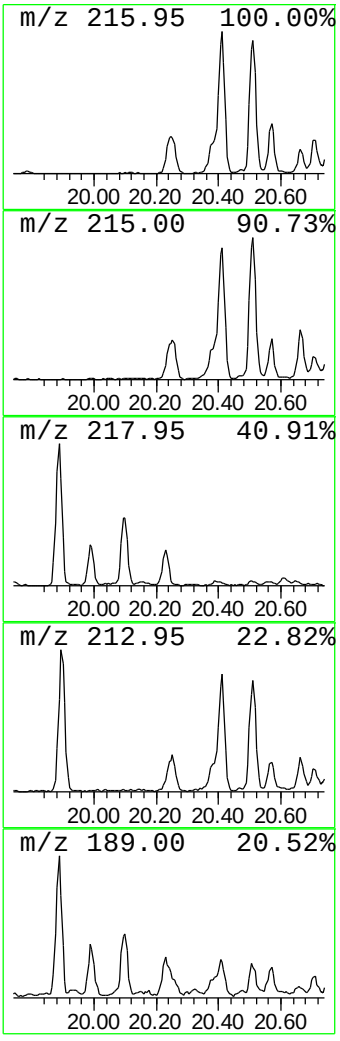
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	2.47 ng/ul	276978	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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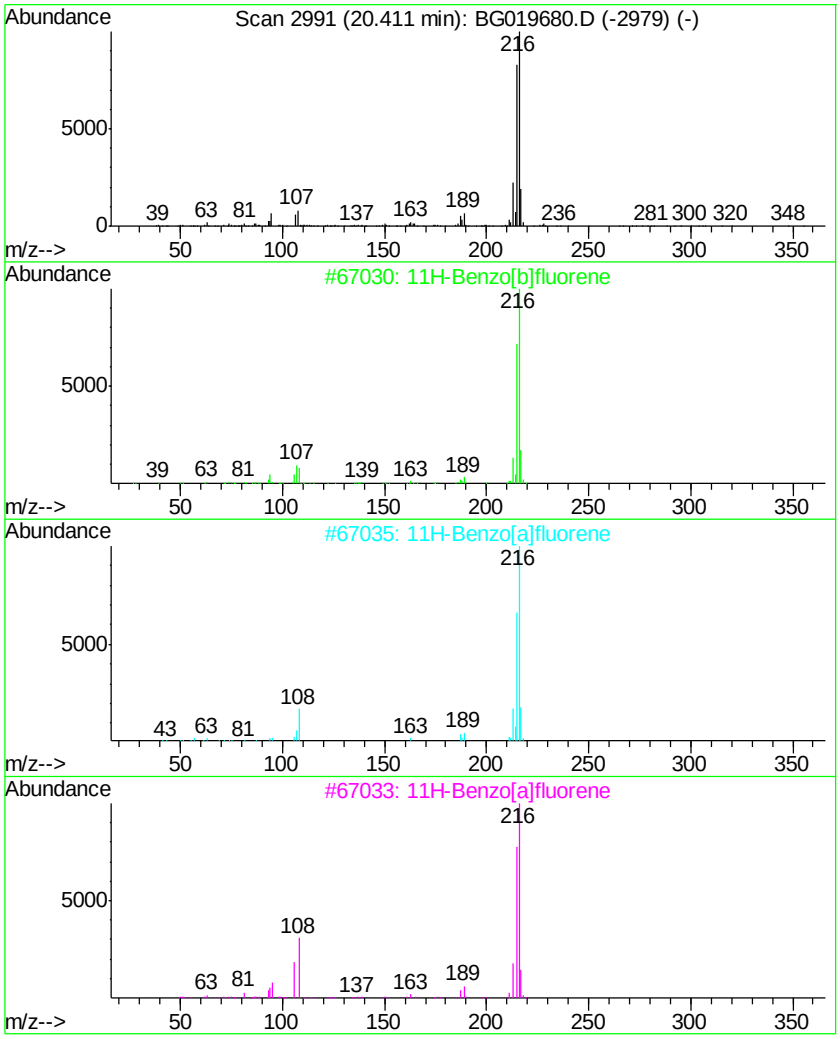
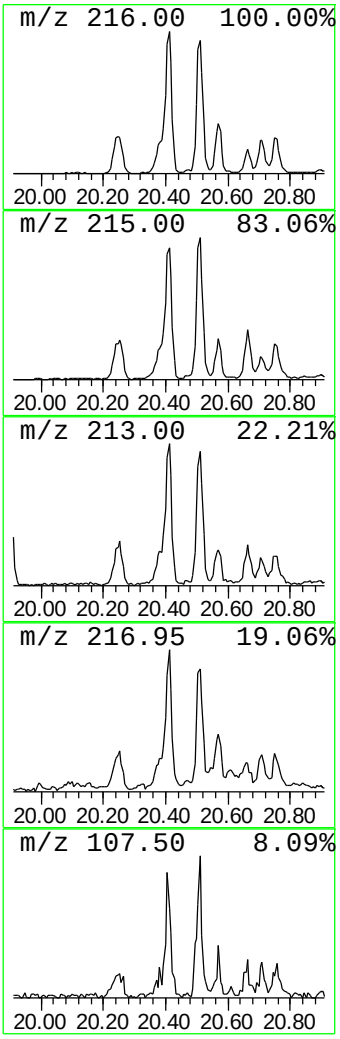
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.41	5.61 ng/ul	628492	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





Tentatively Identified Compound (LSC) summary

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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.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...	3.17	214.7	ng/ul	1791980	1	8.15	166923	20.0
9H-Fluoren-9-ol	16.12	3.9	ng/ul	93101	3	14.78	476614	20.0
Dibenzofuran, 4-m...	16.26	4.5	ng/ul	154869	4	17.53	694194	20.0
9H-Fluorene, 3-me...	16.82	3.3	ng/ul	114807	4	17.53	694194	20.0
unknown-01	17.05	2.6	ng/ul	91452	4	17.53	694194	20.0
8-Dimethylaminona...	17.25	2.7	ng/ul	94269	4	17.53	694194	20.0
Dibenzothiophene	17.34	3.3	ng/ul	113381	4	17.53	694194	20.0
Anthracene, 2-met...	18.40	5.8	ng/ul	200771	4	17.53	694194	20.0
Phenanthrene, 2-m...	18.44	7.1	ng/ul	247084	4	17.53	694194	20.0
4H-Cyclopenta[def...	18.60	13.6	ng/ul	470847	4	17.53	694194	20.0
Naphthalene, 2-ph...	18.88	5.4	ng/ul	188467	4	17.53	694194	20.0
9,10-Dimethylanth...	19.29	5.0	ng/ul	173737	4	17.53	694194	20.0
unknown-02	19.36	2.4	ng/ul	83678	4	17.53	694194	20.0
Pyrene, 1-methyl-	20.24	2.5	ng/ul	276978	5	21.80	2238770	20.0
11H-Benzo[b]fluorene	20.41	5.6	ng/ul	628492	5	21.80	2238770	20.0