LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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	8.341	800	809	819	rBV	139382	258695	6.89%	0.633%
2	11.161	1281	1289	1294	rBV	224783	418617	11.15%	1.024%
3	11.214	1294	1298	1307	rVB	71710	127426	3.39%	0.312%
4	12.794	1560	1567	1580	rVB	59272	110983	2.96%	0.271%
5	13.012	1594	1604	1612	rBV2	49683	90247	2.40%	0.221%
6	14.122	1783	1793	1801	rBV5	31135	78848	2.10%	0.193%
7	14.275	1808	1819	1824	rBV3	56455	112396	2.99%	0.275%
8	14.328	1824	1828	1834	rVB5	37668	72908	1.94%	0.178%
9	14.510	1846	1859	1870	rBB5	30779	75318	2.01%	0.184%
10	14.675	1877	1887	1896	rBV4	39386	102560	2.73%	0.251%
11	14.957	1921	1935	1940	rBV2	364798	656308	17.48%	1.605%
12	15.015	1940	1945	1951	rVV	167509	278111	7.41%	0.680%
13	15.256	1977	1986	1994	rVV4	20414	48989	1.30%	0.120%
14	15.344	1994	2001	2008	rVV	156935	275421	7.34%	0.674%
15	15.421	2008	2014	2022	rVB3	28416	49211	1.31%	0.120%
16	15.732	2058	2067	2070	rBV5	20950	53156	1.42%	0.130%
17	15.997	2106	2112	2121	rVB2	301430	490337	13.06%	1.199%
18	16.120	2130	2133	2136	rVV4	36162	53076	1.41%	0.130%
19	16.155	2136	2139	2144	rVV4	42078	63053	1.68%	0.154%
20	16.284	2157	2161	2170	rVB	75123	129706	3.46%	0.317%
21	16.431	2170	2186	2195	rBV2	83177	210332	5.60%	0.514%
22	16.631	2210	2220	2231	rBV9	30314	78266	2.08%	0.191%
23	17.001	2271	2283	2287	rBV4	79980	195490	5.21%	0.478%
24	17.048	2287	2291	2296	rVB3	45453	66261	1.77%	0.162%
25	17.148	2303	2308	2313	rVB6	41223	71929	1.92%	0.176%
26	17.224	2313	2321	2324	rBV5	46708	99131	2.64%	0.242%
27	17.272	2324	2329	2337	rVV4	41991	96987	2.58%	0.237%
28	17.354	2337	2343	2349	rVV3	52942	99481	2.65%	0.243%
29	17.424	2349	2355	2365	rVV5	44426	147256	3.92%	0.360%
30	17.524	2365	2372	2379	rVB	115241	202272	5.39%	0.495%
31	17.706	2395	2403	2406	rBV	430006	746552	19.89%	1.826%
32	17.753	2406	2411	2417	rVV	2349408	3601010	95.93%	8.806%
33	17.836	2417	2425	2432	rVV	468365	827482	22.04%	2.024%
34	17.888	2432	2434	2439	rVB2	34594	50214	1.34%	0.123%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

35	18.106	2461	2471	2485	rBV2	151726	329198	8.77%	0.805%
36	18.212	2485	2489	2495	rBV3	38805	68320	1.82%	0.167%
37	18.288	2495	2502	2508	rVB4	43228	83122	2.21%	0.203%
38	18.423	2521	2525	2532	rVB4	25482	56485	1.50%	0.138%
39	18.576	2541	2551	2555	rVV	304374	490422	13.06%	1.199%
40	18.623	2555	2559	2565	rVB	396451	578039	15.40%	1.414%
41	18.705	2567	2573	2577	rBV	150296	233924	6.23%	0.572%
42	18.776	2577	2585	2598	rBV3	402957	1117064	29.76%	2.732%
43	19.058	2628	2633	2638	rVV	202239	309022	8.23%	0.756%
44	19.111	2638	2642	2650	rVB2	104386	170540	4.54%	0.417%
45	19.304	2665	2675	2679	rBV3	81170	150183	4.00%	0.367%
46	19.351	2679	2683	2687	rVV	64542	104349	2.78%	0.255%
47	19.393	2687	2690	2696	rVB	54619	73082	1.95%	0.179%
48	19.475	2697	2704	2709	rBV	166140	318544	8.49%	0.779%
49	19.539	2709	2715	2724	rVV4	88411	283594	7.55%	0.694%
50	19.622	2724	2729	2737	rVB5	75324	182724	4.87%	0.447%
51	19.751	2742	2751	2756	rBV	2377177	3753980	100.00%	9.180%
52	19.833	2761	2765	2770	rVB2	69905	90879	2.42%	0.222%
53	19.892	2770	2775	2778	rBV3	39778	63432	1.69%	0.155%
54	19.933	2778	2782	2785	rVV5	40022	66110	1.76%	0.162%
55	19.986	2785	2791	2799	rVV4	81951	200146	5.33%	0.489%
56	20.074	2799	2806	2808	rVV2	412471	737327	19.64%	1.803%
57	20.109	2808	2812	2818	rVV	2169517	3228296	86.00%	7.895%
58	20.168	2818	2822	2828	rVB2	146747	229368	6.11%	0.561%
59	20.280	2829	2841	2846	rBV	143379	265438	7.07%	0.649%
60	20.344	2846	2852	2858	rVB2	87837	159700	4.25%	0.391%
61	20.421	2858	2865	2872	rBV3	165377	413276	11.01%	1.011%
62	20.480	2872	2875	2880	rBV3	40124	65063	1.73%	0.159%
63	20.591	2882	2894	2901	rBV	375019	788302	21.00%	1.928%
64	20.691	2905	2911	2915	rBV	308797	467810	12.46%	1.144%
65	20.750	2915	2921	2925	rVB2	162210	310573	8.27%	0.760%
66	20.820	2931	2933	2940	rVB3	47301	81482	2.17%	0.199%
67	20.897	2940	2946	2950	rBV	124184	214792	5.72%	0.525%
68	20.944	2950	2954	2965	rVB2	134986	228490	6.09%	0.559%
69	21.067	2967	2975	2982	rVB10	41340	133865	3.57%	0.327%
70	21.202	2994	2998	3001	rBV5	48138	79437	2.12%	0.194%
71	21.237	3002	3004	3010	rVB4	47240	71401	1.90%	0.175%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

72	21.331	3016	3020	3025	rBV5	53697	102871	2.74%	0.252%
73	21.390	3025	3030	3037	rVB	127979	244362	6.51%	0.598%
74	21.590	3054	3064	3067	rBV3	129547	322794	8.60%	0.789%
75	21.625	3067	3070	3075	rVB	144320	227995	6.07%	0.558%
76	21.684	3075	3080	3085	rBV2	144274	264354	7.04%	0.646%
77	21.743	3086	3090	3101	rVB3	101497	247362	6.59%	0.605%
78	21.878	3105	3113	3121	rBV2	44594	142601	3.80%	0.349%
79	22.019	3126	3137	3144	rBV3	1075249	2829793	75.38%	6.920%
80	22.089	3144	3149	3161	rVB	806841	1563804	41.66%	3.824%
81	22.254	3171	3177	3185	rBV2	150843	296389	7.90%	0.725%
82	22.477	3209	3215	3221	rBV3	88654	184266	4.91%	0.451%
83	22.736	3255	3259	3264	rBV5	29222	46600	1.24%	0.114%
84	22.824	3265	3274	3280	rVB	129271	314019	8.36%	0.768%
85	22.894	3281	3286	3294	rVB2	70227	158363	4.22%	0.387%
86	22.994	3298	3303	3308	rBV4	38027	64225	1.71%	0.157%
87	23.053	3309	3313	3320	rVB3	52770	103634	2.76%	0.253%
88	23.123	3320	3325	3330	rBV4	67194	163104	4.34%	0.399%
89	23.259	3344	3348	3358	rVB5	57332	140836	3.75%	0.344%
90	24.017	3472	3477	3489	rVB5	43648	133430	3.55%	0.326%
91	24.434	3537	3548	3568	rBV2	468155	2269408	60.45%	5.550%
92	24.704	3587	3594	3604	rVB	92388	244851	6.52%	0.599%
93	24.933	3628	3633	3638	rBV9	32385	71241	1.90%	0.174%
94	25.221	3672	3682	3699	rVB2	256369	824962	21.98%	2.017%
95	25.386	3699	3710	3722	rBV	426684	1285520	34.24%	3.144%
96	25.544	3728	3737	3746	rBV2	235758	721186	19.21%	1.764%
97	25.632	3747	3752	3769	rVB4	125228	403975	10.76%	0.988%
98	29.581	4411	4424	4449	rVB5	128264	788400	21.00%	1.928%
99	30.256	4533	4539	4545	rVV5	18002	56812	1.51%	0.139%
100	30.844	4625	4639	4657	rBV2	79378	438270	11.67%	1.072%

Sum of corrected areas: 40891235

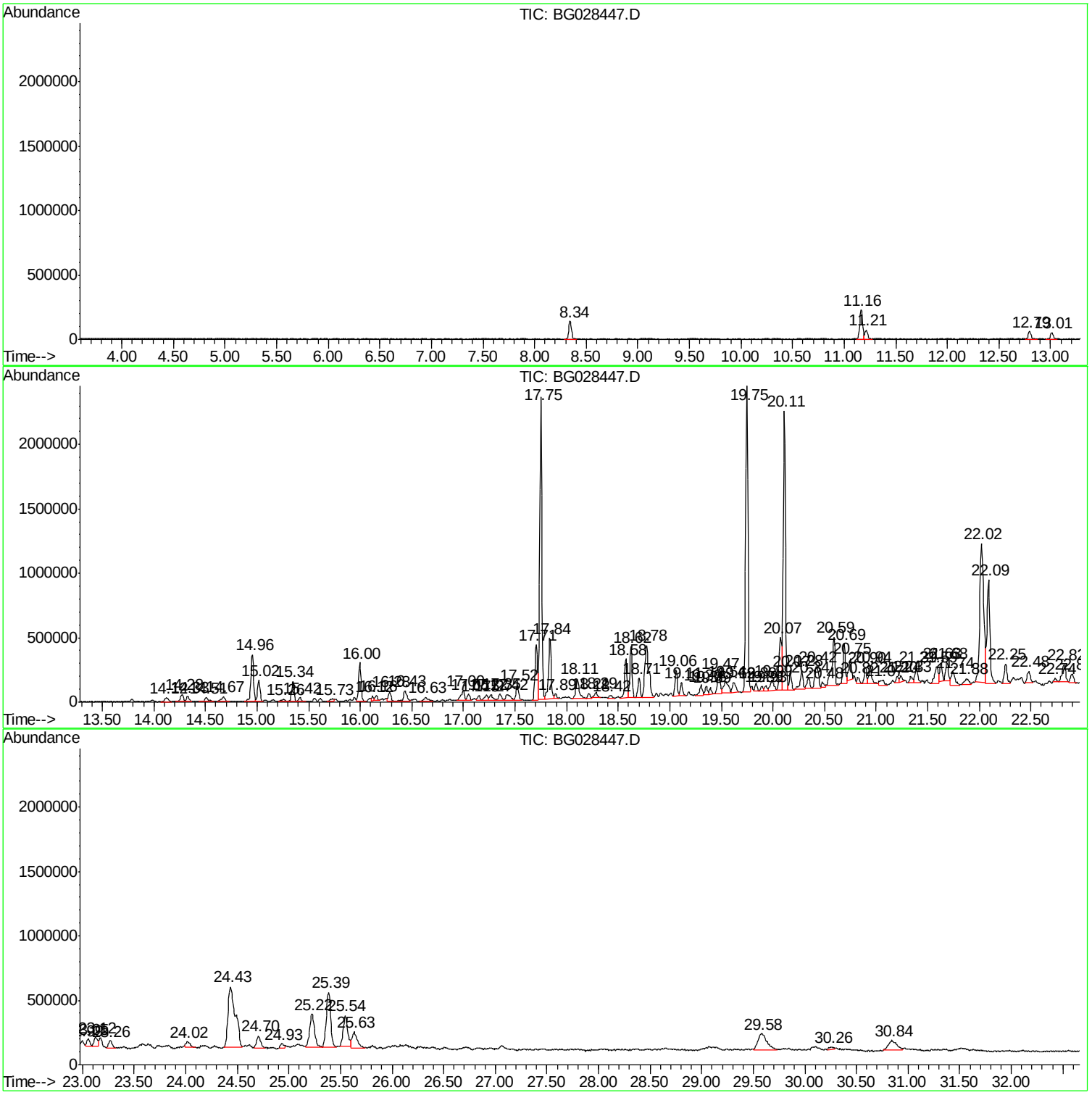
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

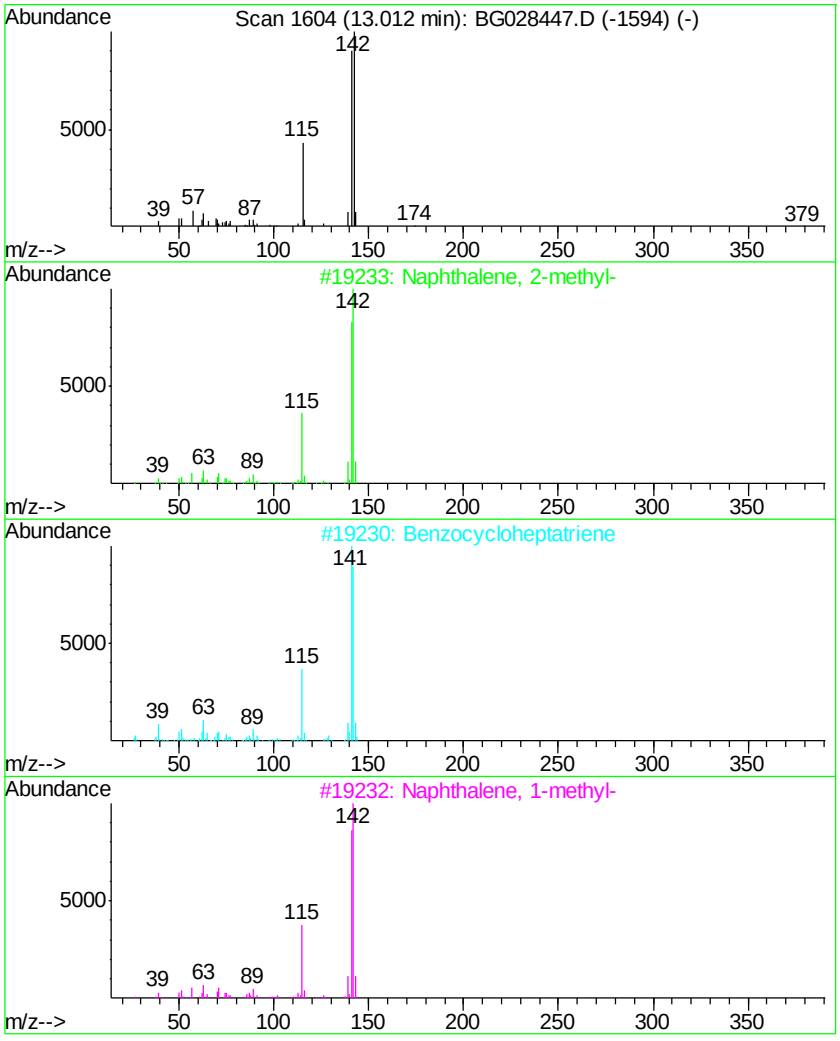
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

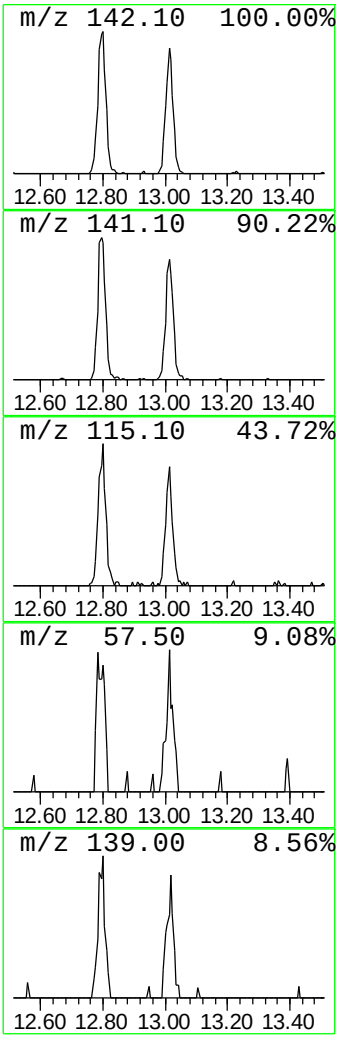
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	4.31 ng/ul	90247	Naphthalene-d8	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
2	Benzocycloheptatriene	142	C11H10	000264-09-5	91
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	87
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	86
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	80





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

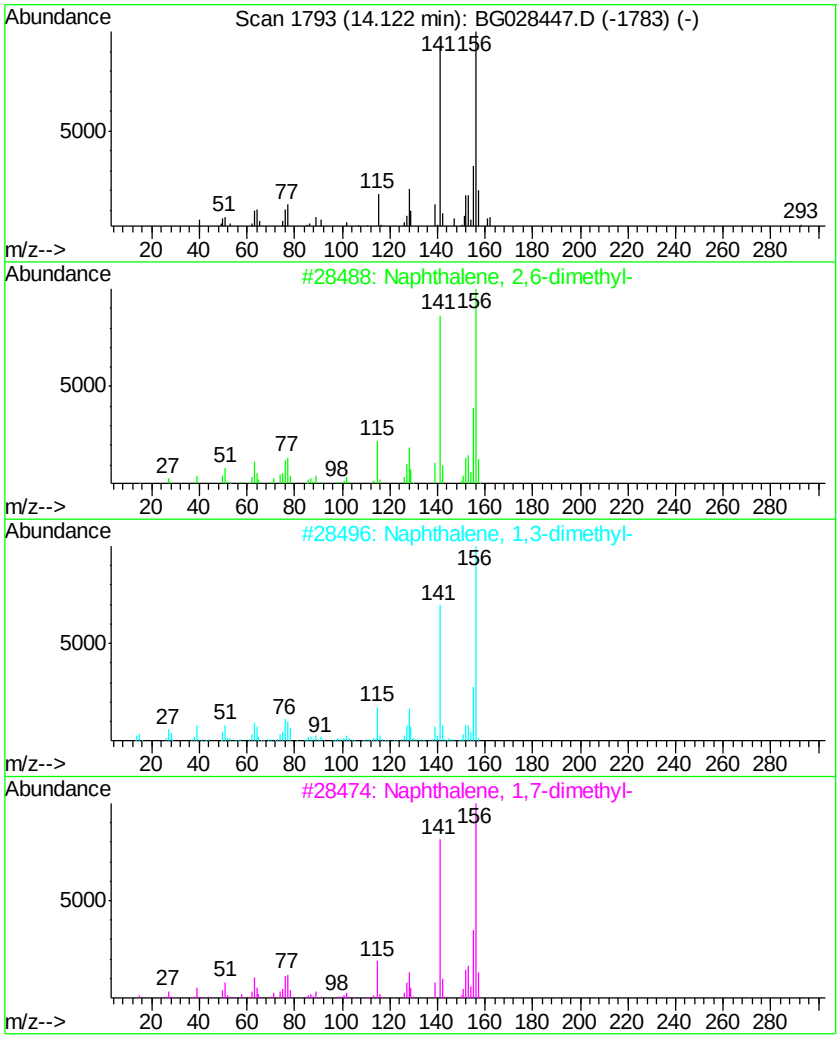
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

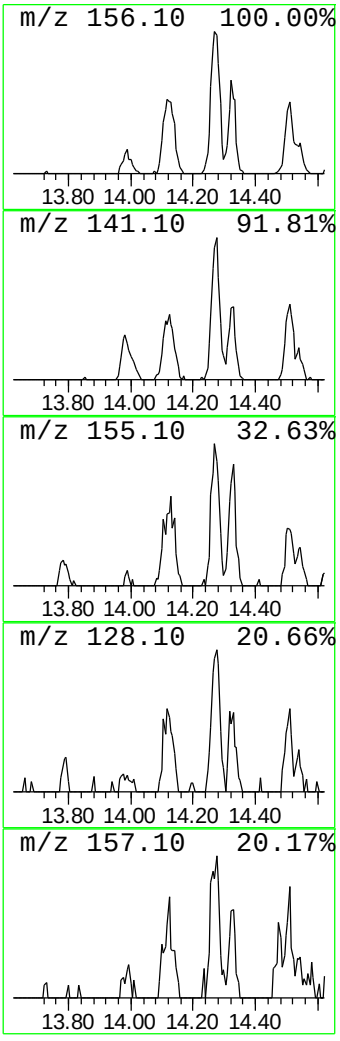
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	2.40 ng/ul	78848	Acenaphthene-d10	14.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

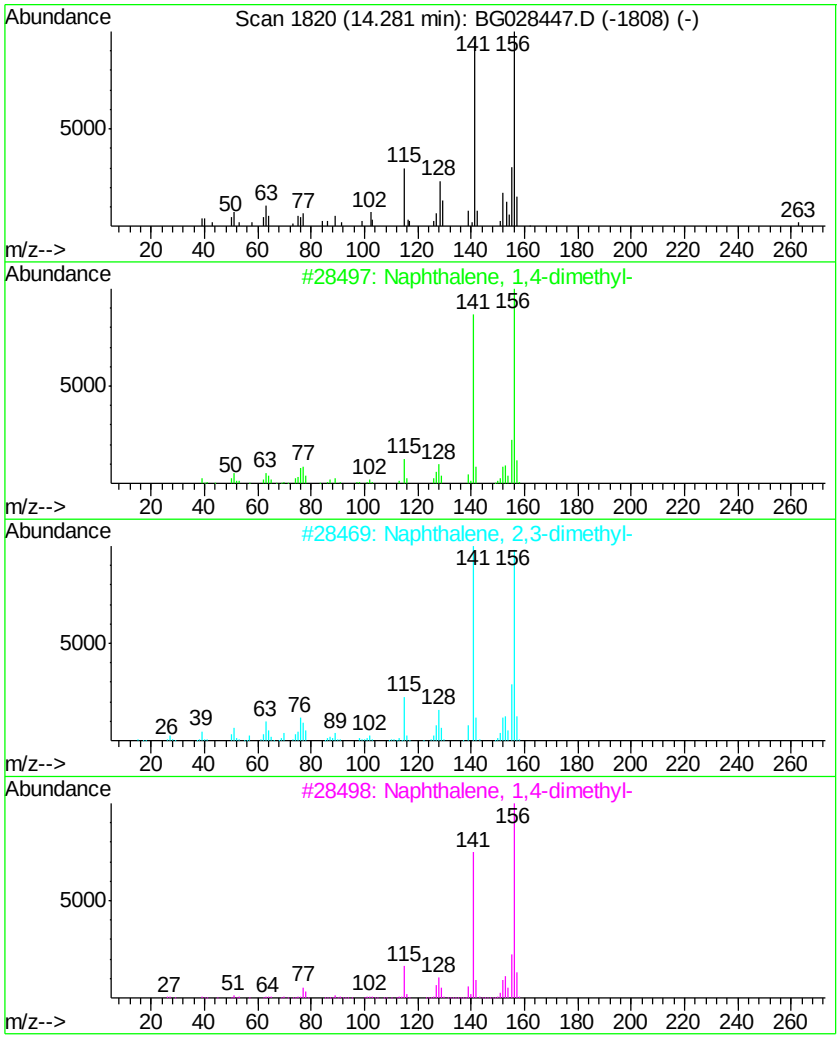
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

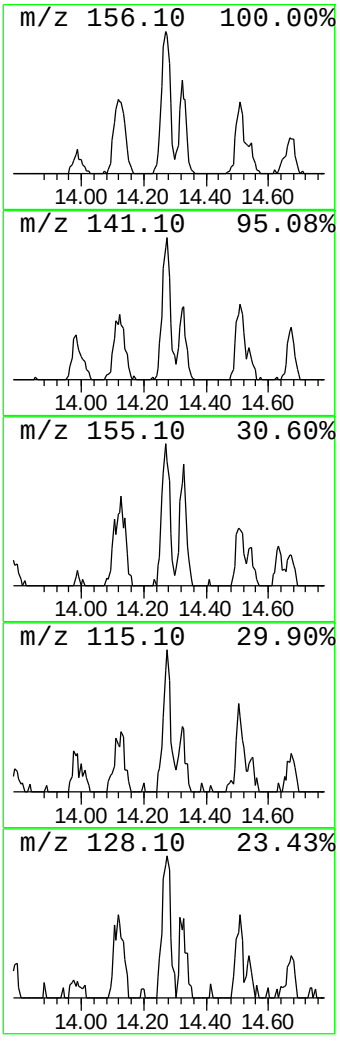
****

Peak Number 3 Naphthalene, 1,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	3.43 ng/ul	112396	Acenaphthene-d10	14.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

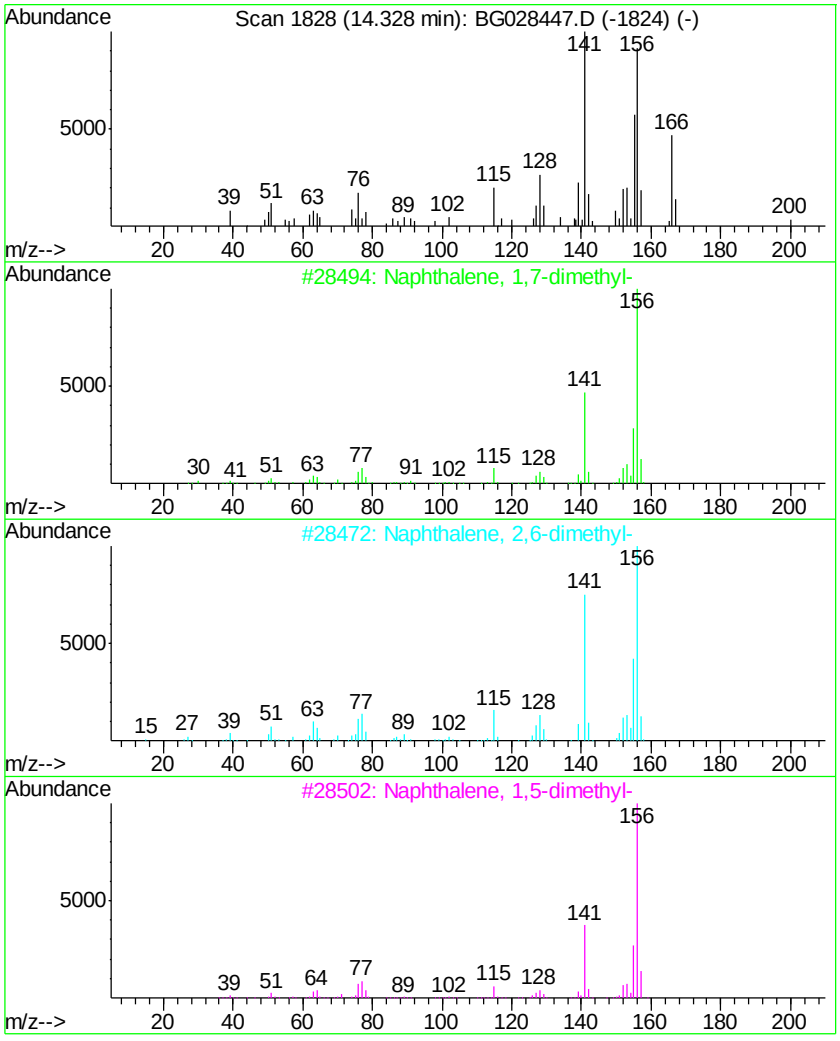
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

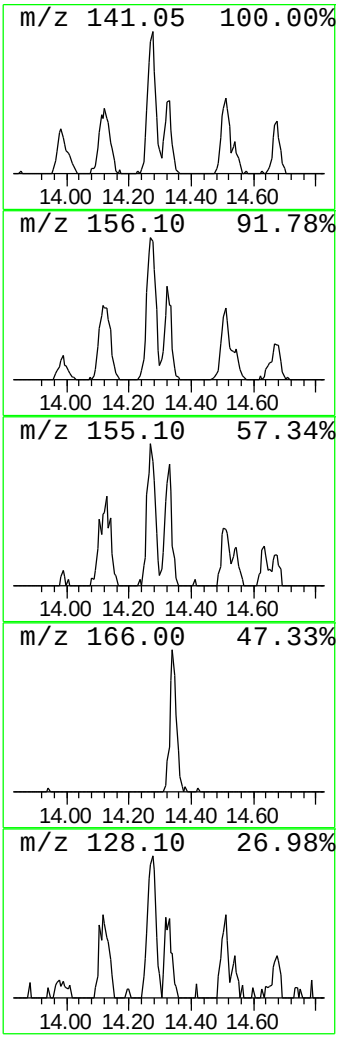
****

Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	2.22 ng/ul	72908	Acenaphthene-d10	14.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	64
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	62
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	60
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	60
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	58





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

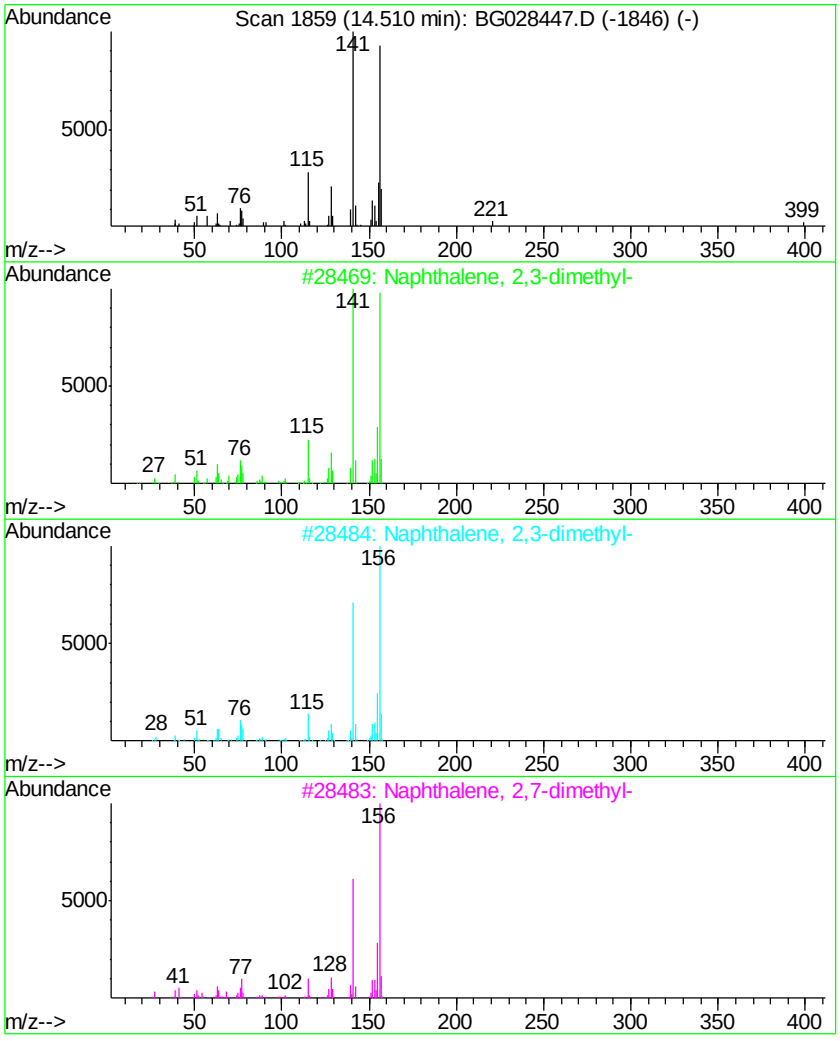
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

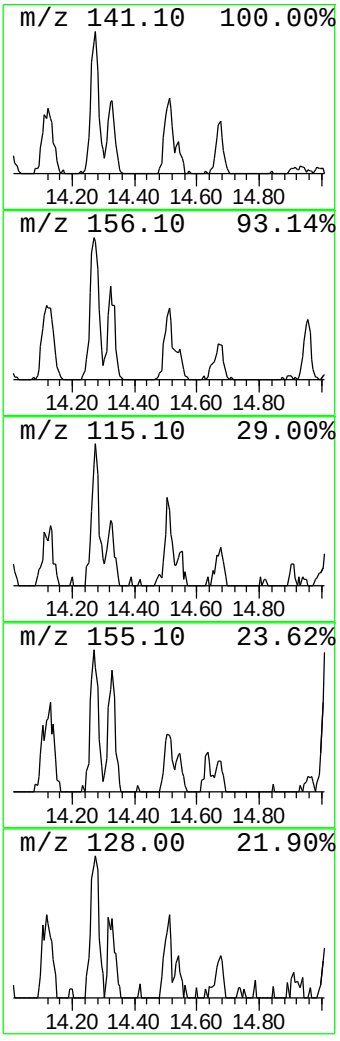
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	2.30 ng/ul	75318	Acenaphthene-d10	14.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

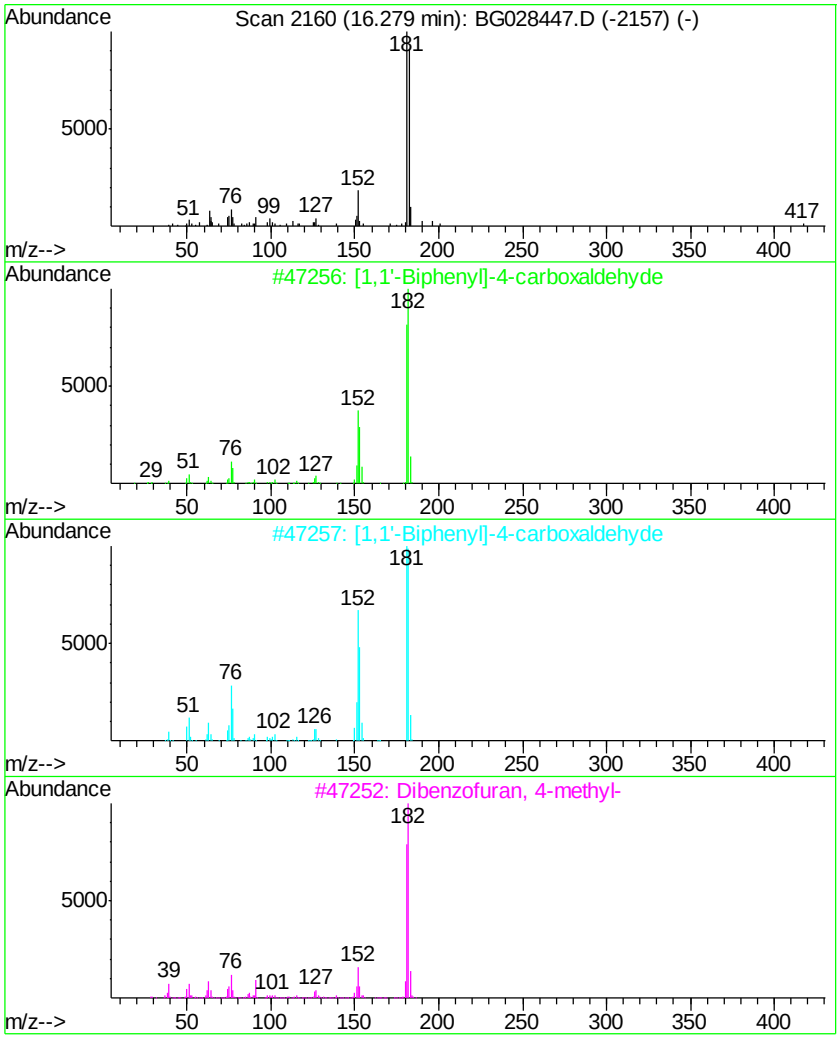
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

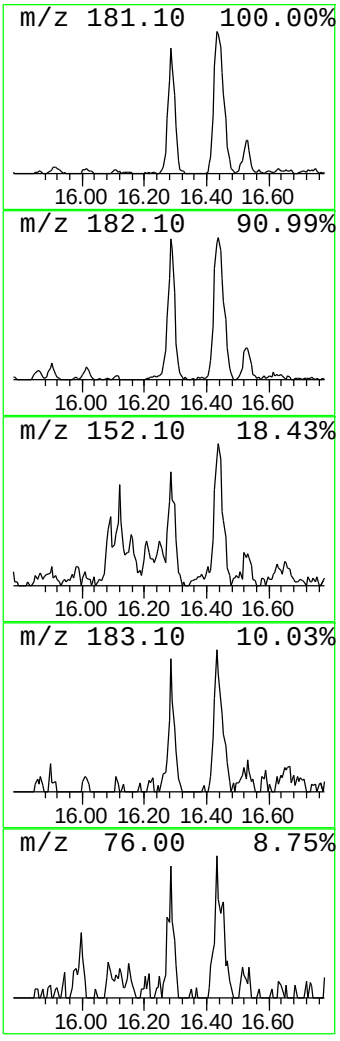
****

Peak Number 6 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	3.95 ng/ul	129706	Acenaphthene-d10	14.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	74
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

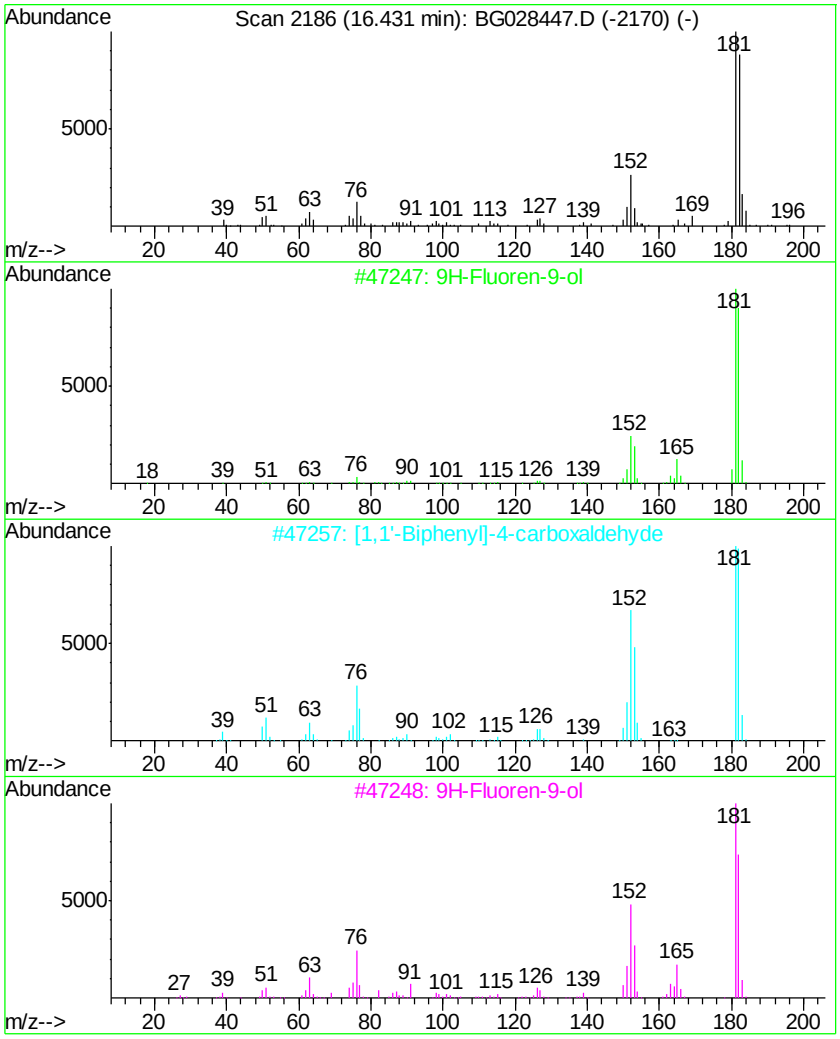
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

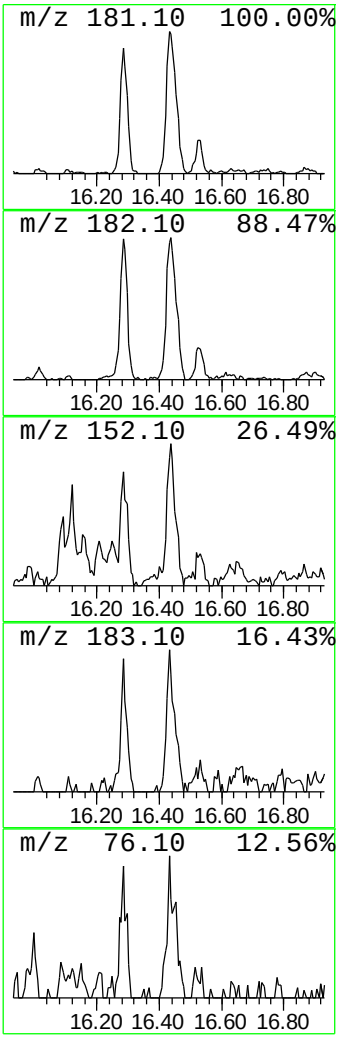
****

Peak Number 7 9H-Fluoren-9-ol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	5.63 ng/ul	210332	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

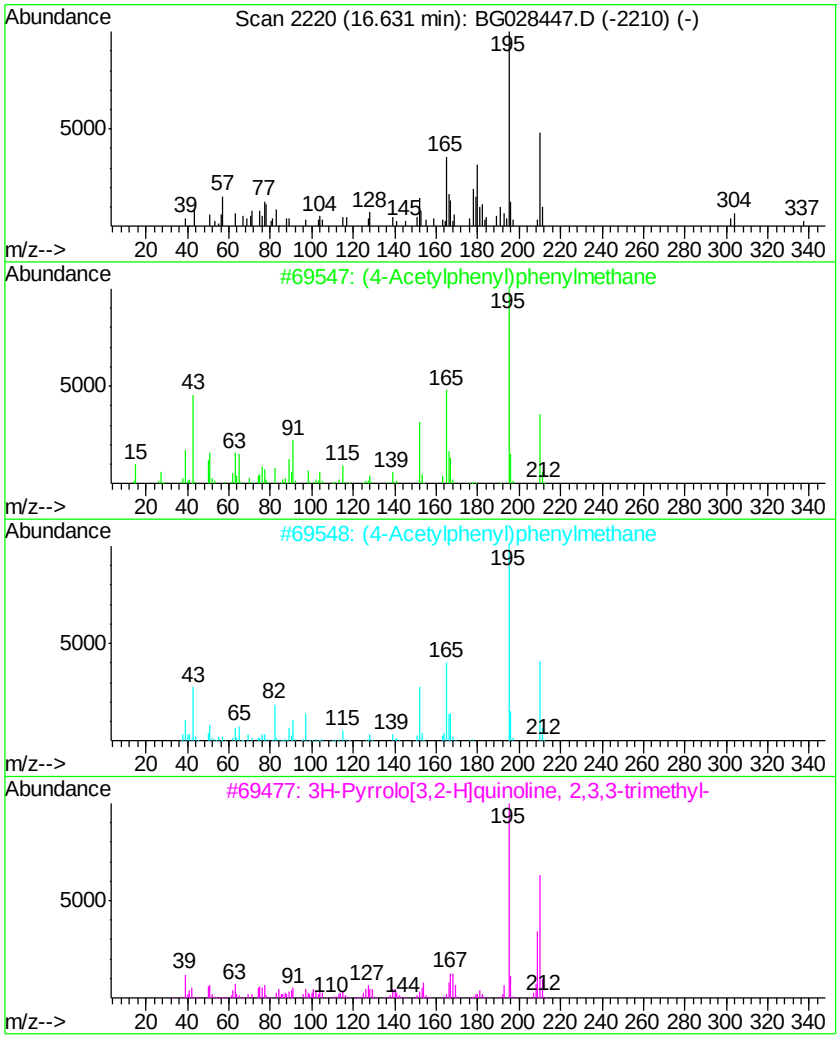
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

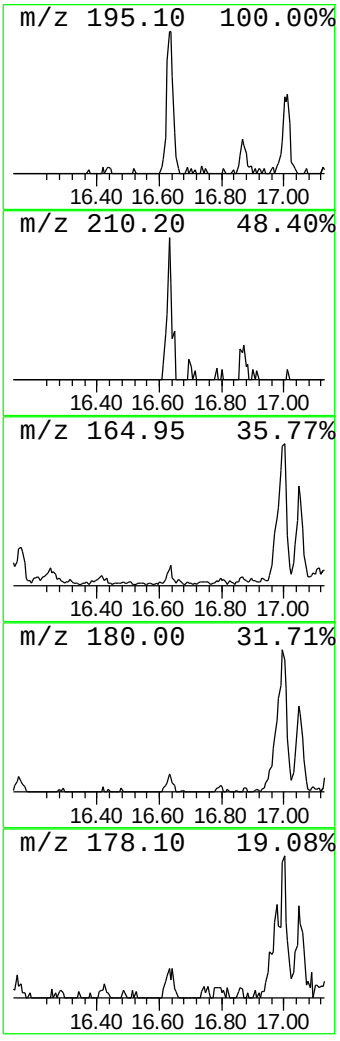
****

Peak Number 8 (4-Acetylphenyl)phenylmethane Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	2.10 ng/ul	78266	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	76
2	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	68
3	3H-Pyrrolo[3,2-H]quinoline, 2,3,...	210	C14H14N2	083958-38-7	64
4	9H-Carbazol-3-amine, 9-ethyl-	210	C14H14N2	000132-32-1	62
5	9H-Carbazol-3-amine, 9-ethyl-	210	C14H14N2	000132-32-1	58





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

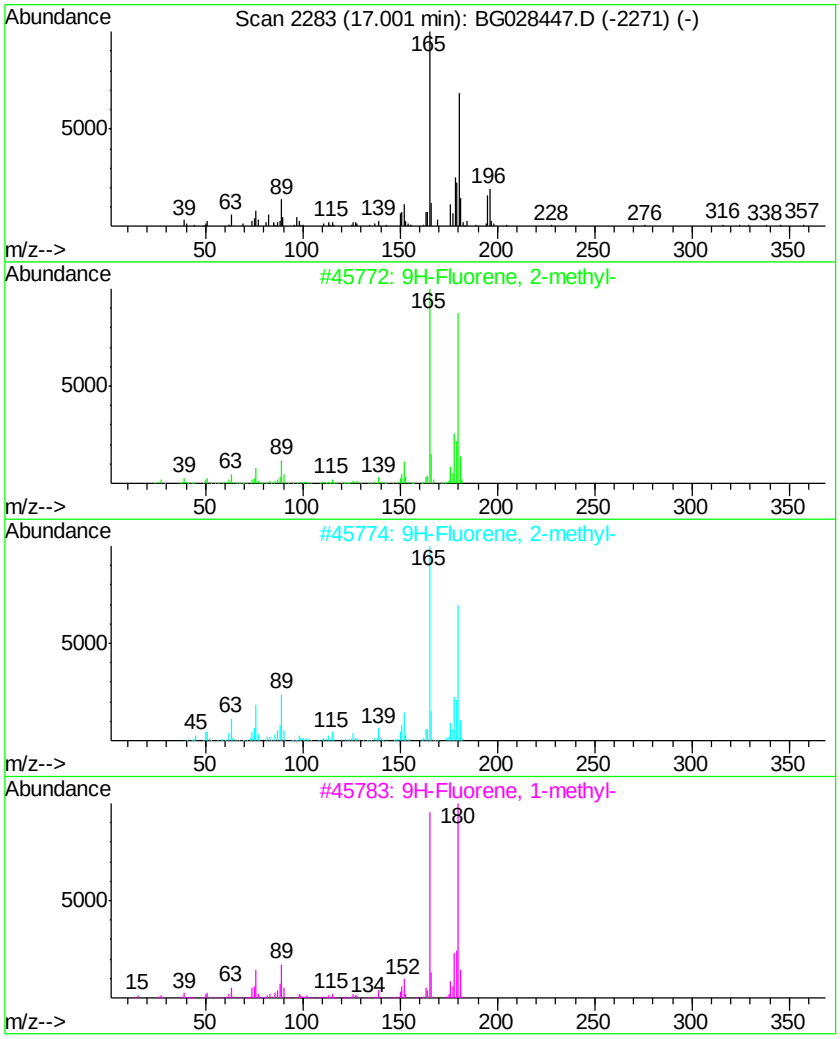
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

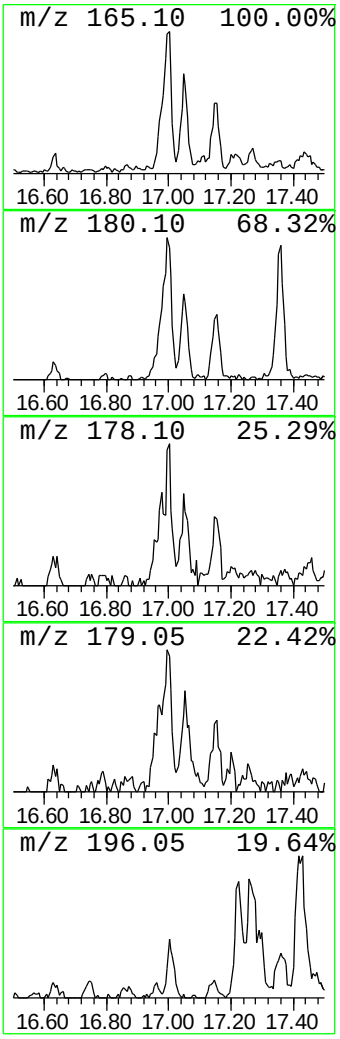
****

Peak Number 9 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	5.24 ng/ul	195490	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

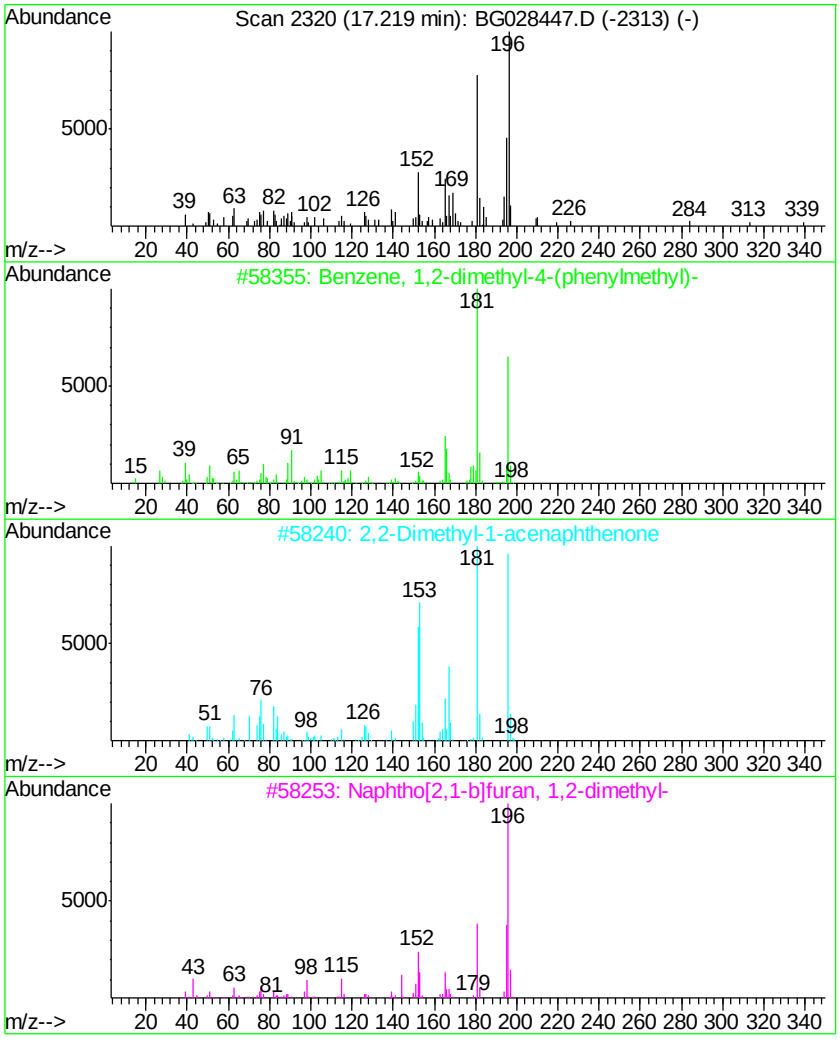
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

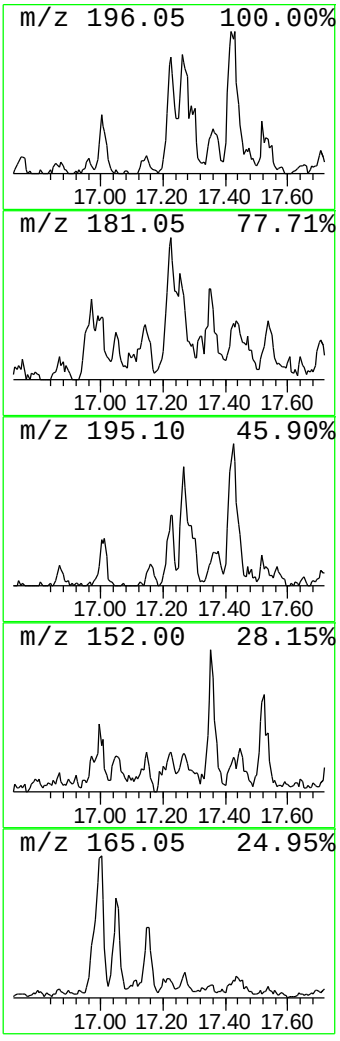
****

Peak Number 10 Benzene, 1,2-dimethyl-4-(ph... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	2.66 ng/ul	99131	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	52
2	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	52
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	52
4	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	43
5	(1,1'-Biphenyl)-2,2'-dicarboxald...	210	C14H10O2	001210-05-5	42





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

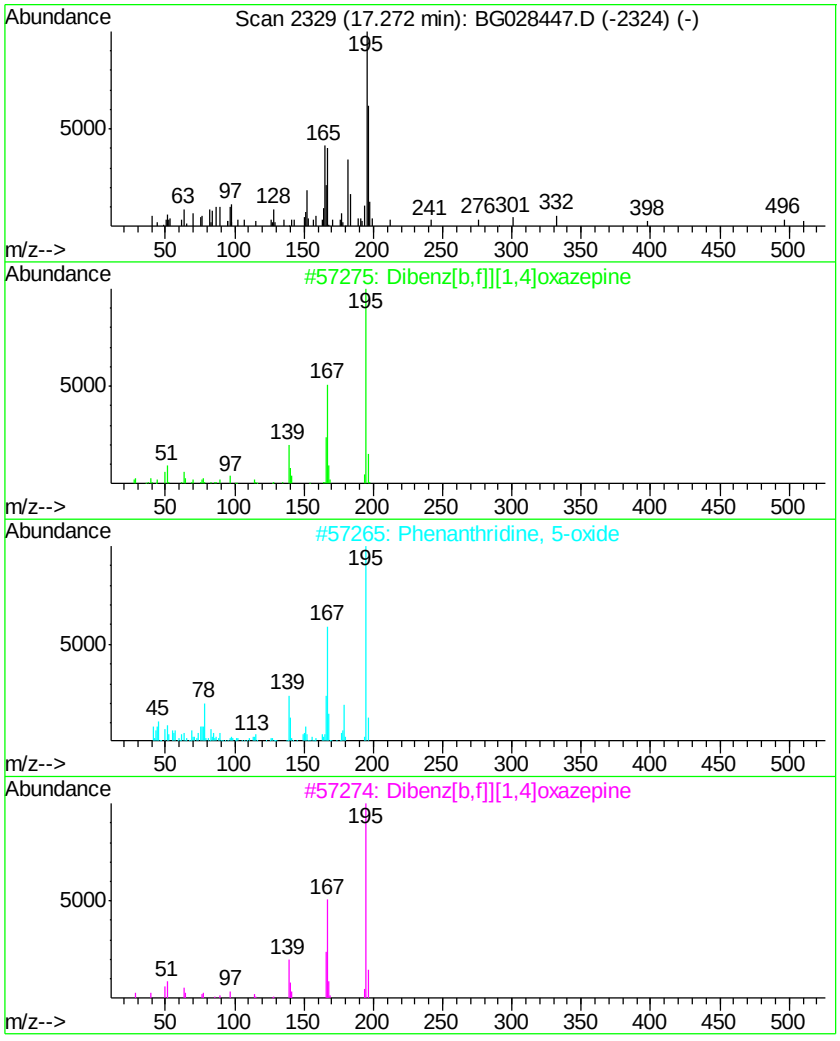
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

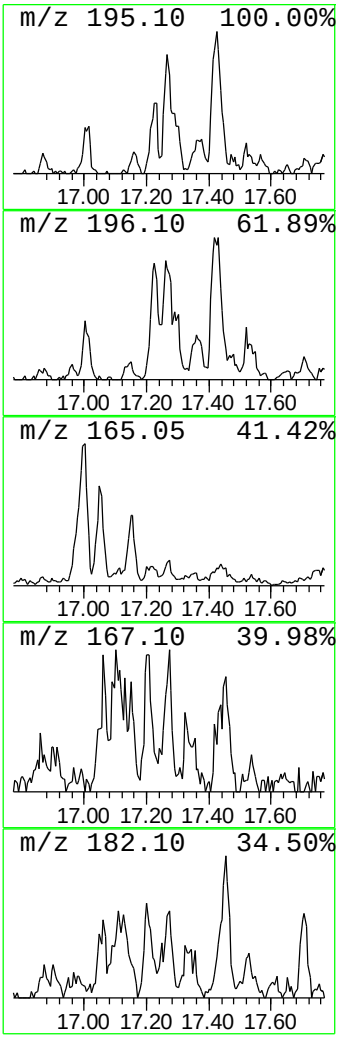
****

Peak Number 11 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	2.60 ng/ul	96987	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[b,f][1,4]oxazepine	195	C13H9NO	000257-07-8	46
2	Phenanthridine, 5-oxide	195	C13H9NO	014548-01-7	46
3	Dibenz[b,f][1,4]oxazepine	195	C13H9NO	000257-07-8	46
4	Benzo[c]cinnolin-2-amine	195	C12H9N3	004827-07-0	46
5	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	45





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

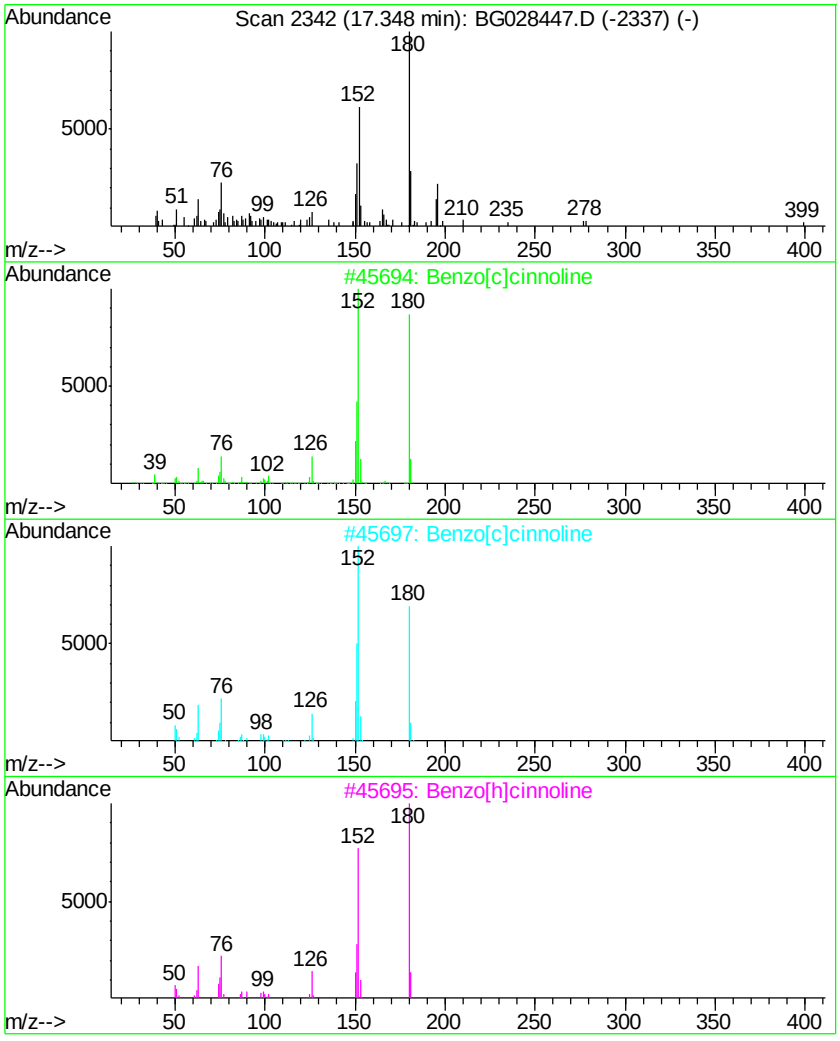
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

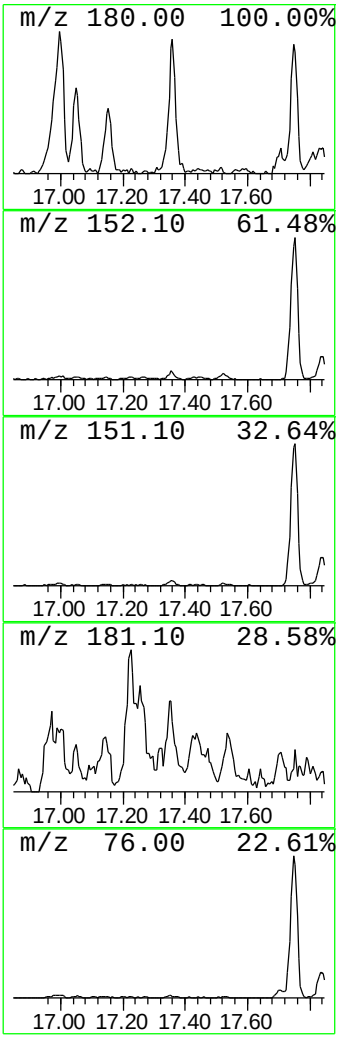
****

Peak Number 12 Benzo[c]cinnoline Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	2.67 ng/ul	99481	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	81
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

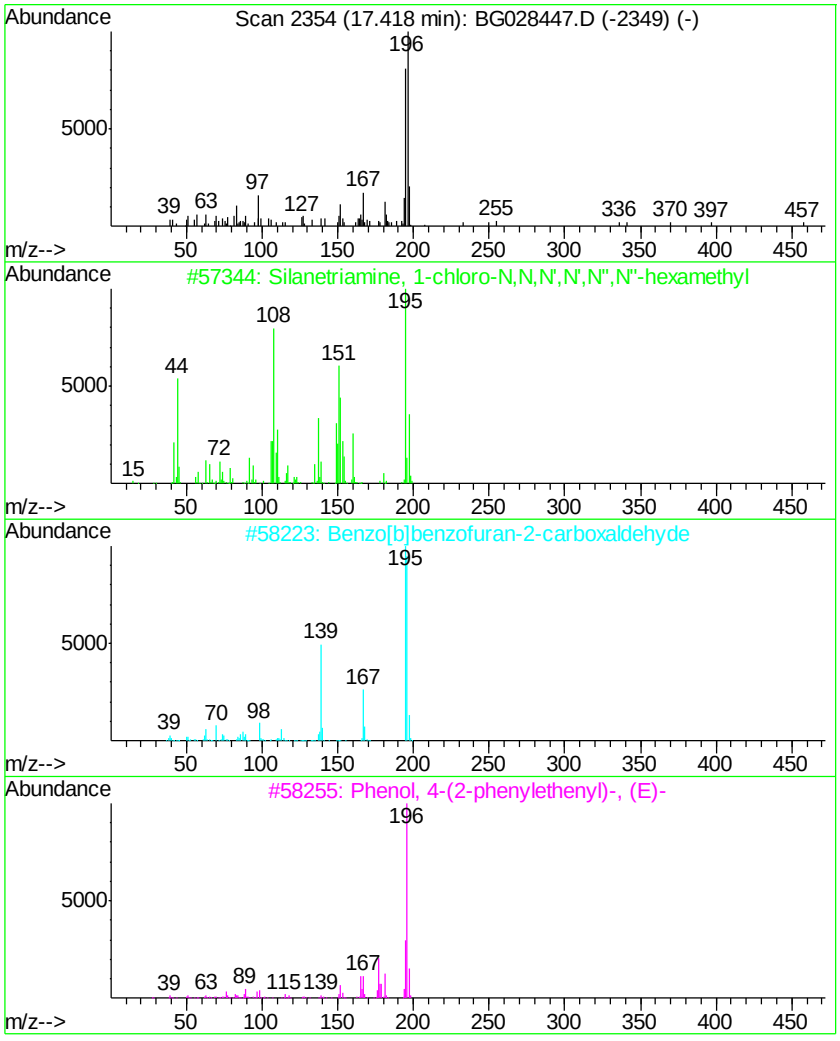
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

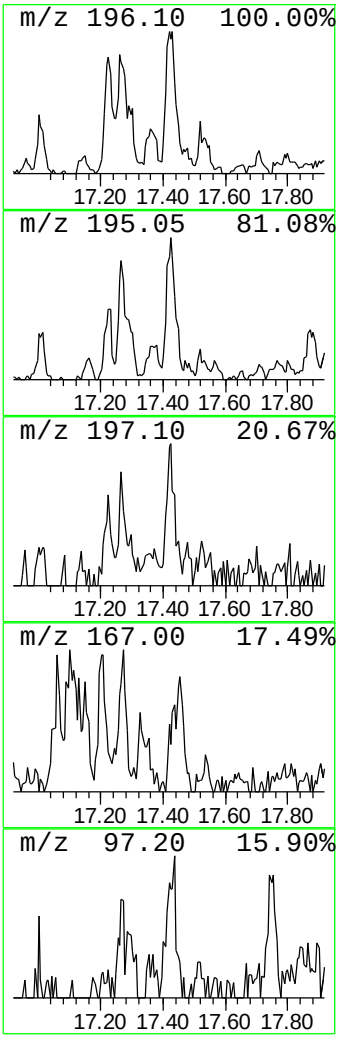
****

Peak Number 13 Silanetriamine, 1-chloro-N,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	3.94 ng/ul	147256	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silanetriamine, 1-chloro-N,N,N',...	195	C6H18ClN3Si	013307-05-6	76
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	59
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
5	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	47





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

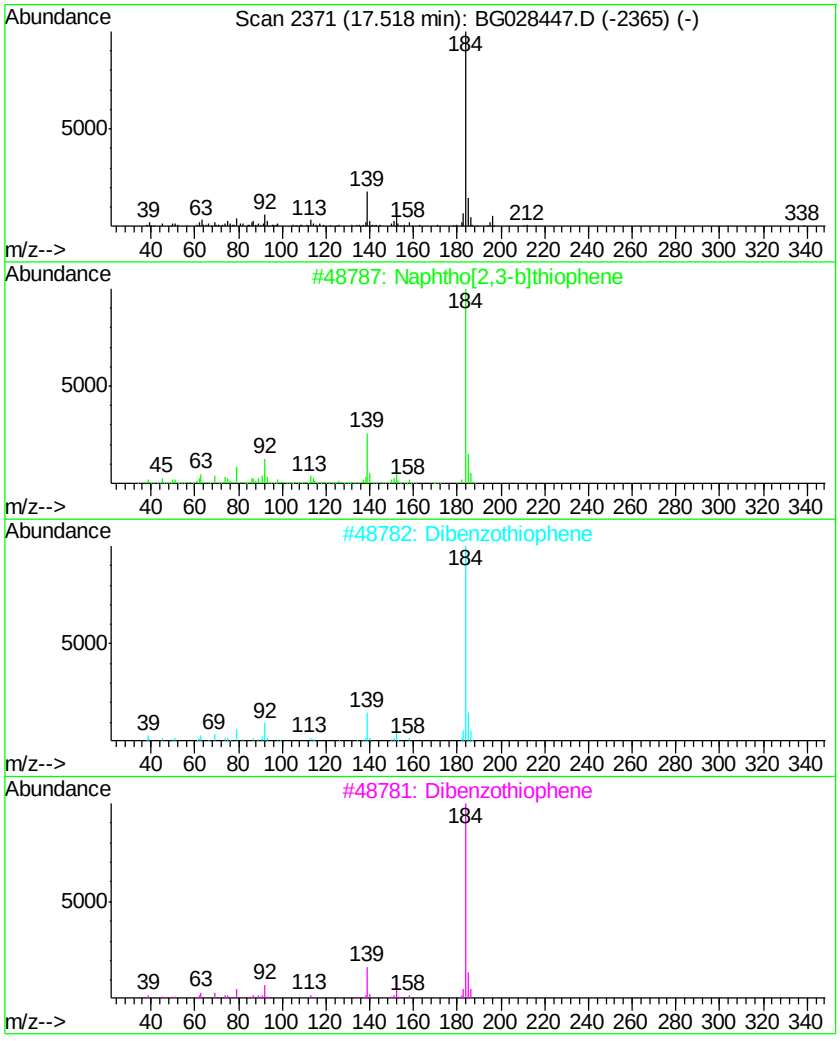
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

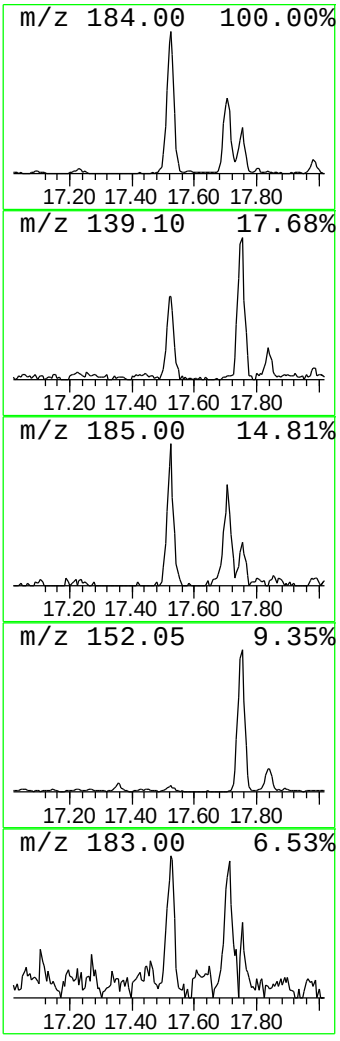
****

Peak Number 14 Naphtho[2,3-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	5.42 ng/ul	202272	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

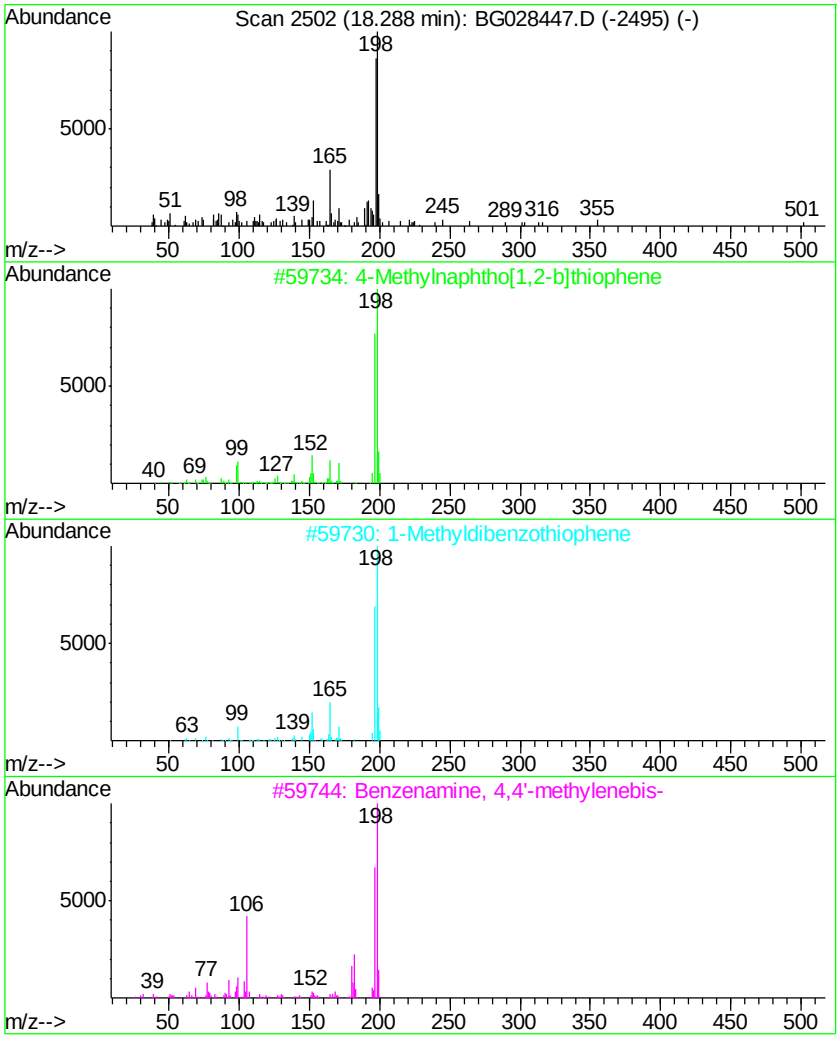
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

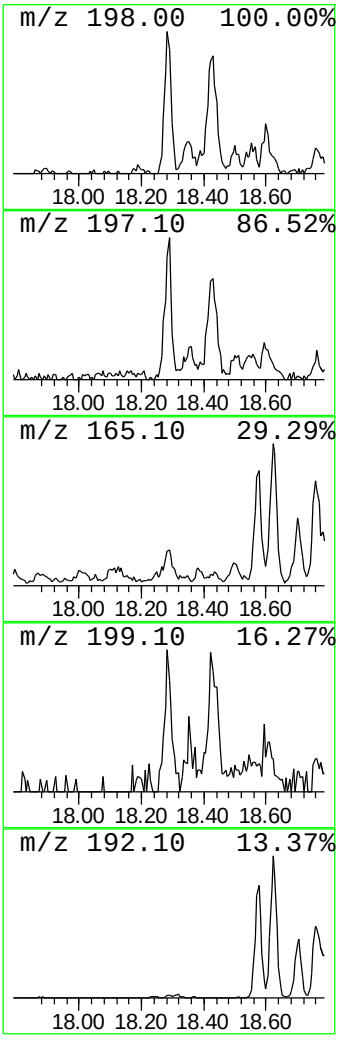
****

Peak Number 15 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	2.23 ng/ul	83122	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	89
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	81
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	68
4	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	68
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	68





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

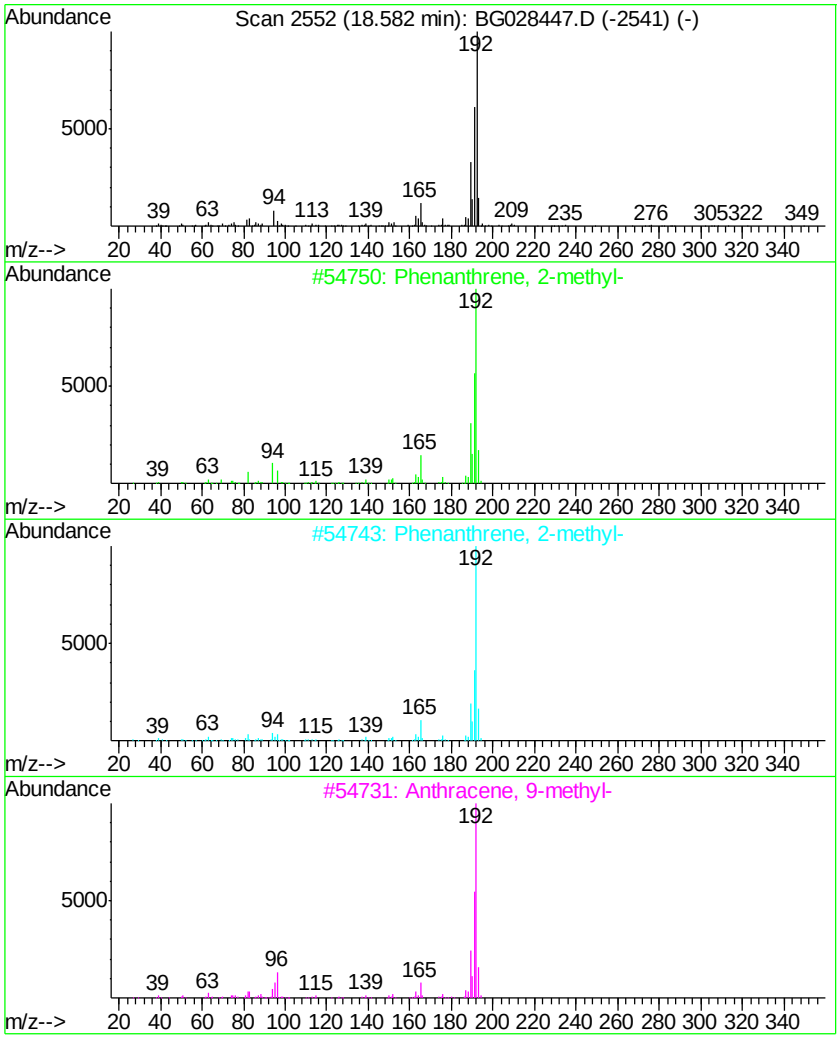
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

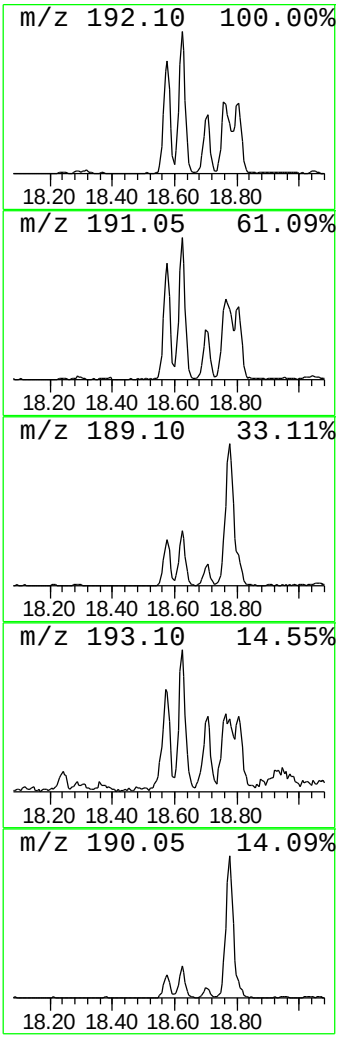
****

Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	13.14 ng/ul	490422	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

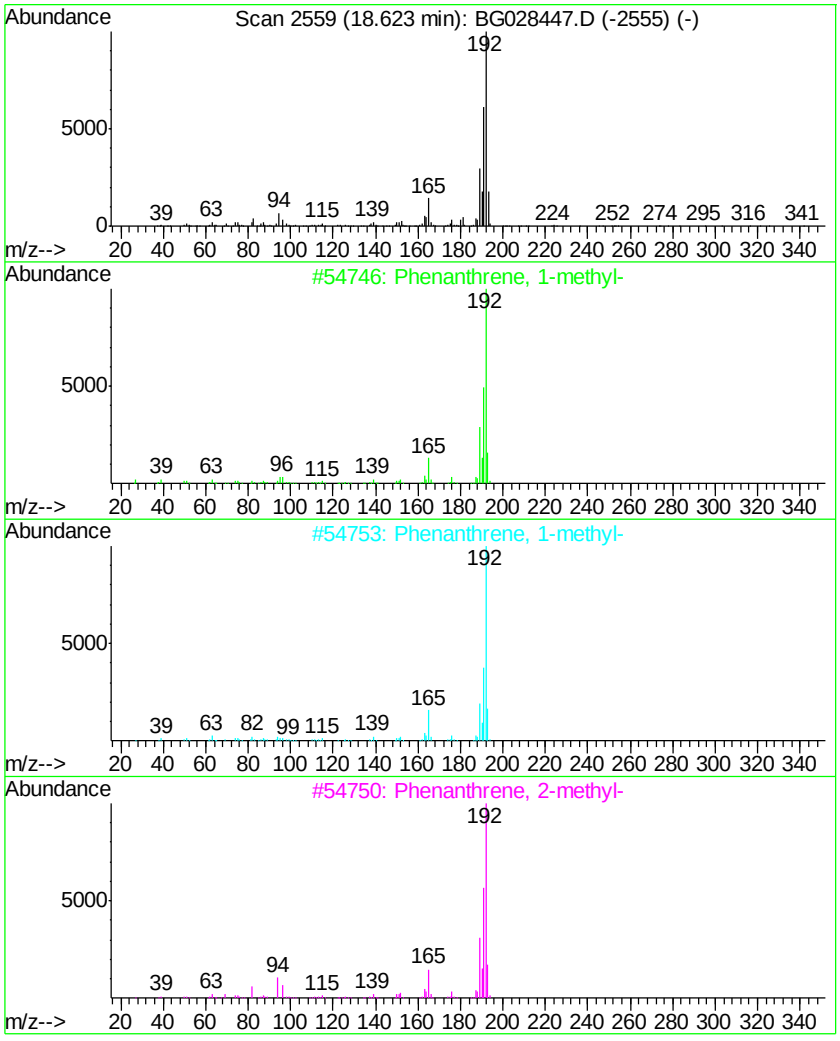
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

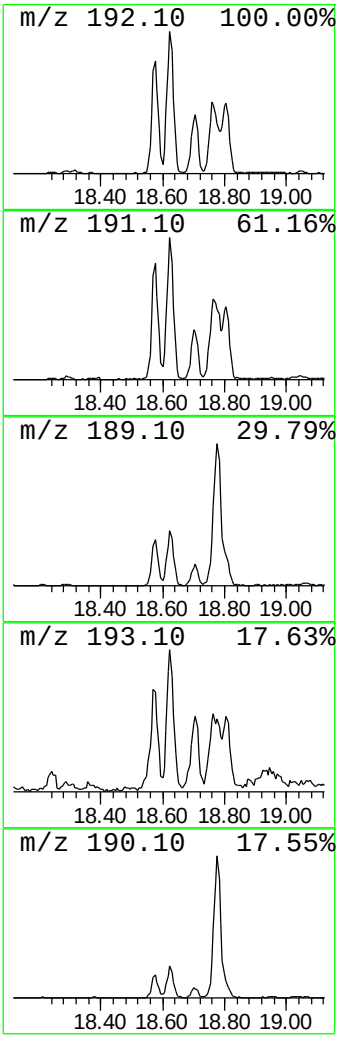
****

Peak Number 17 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	15.49 ng/ul	578039	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

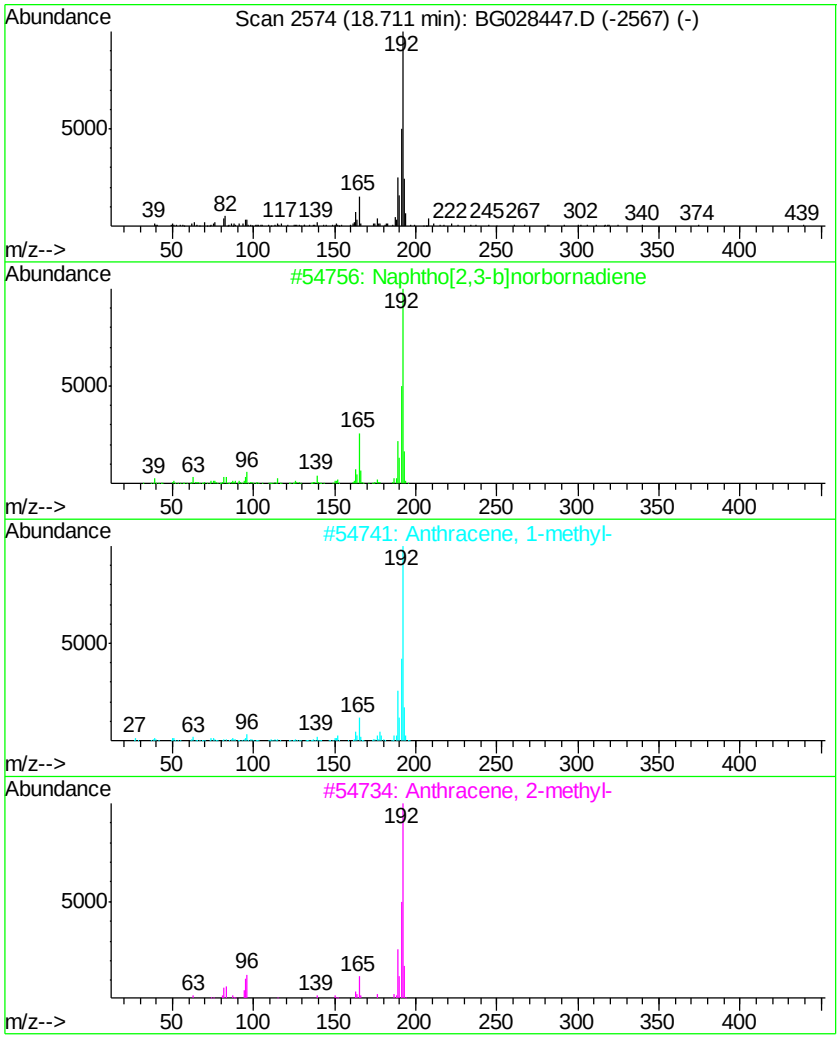
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

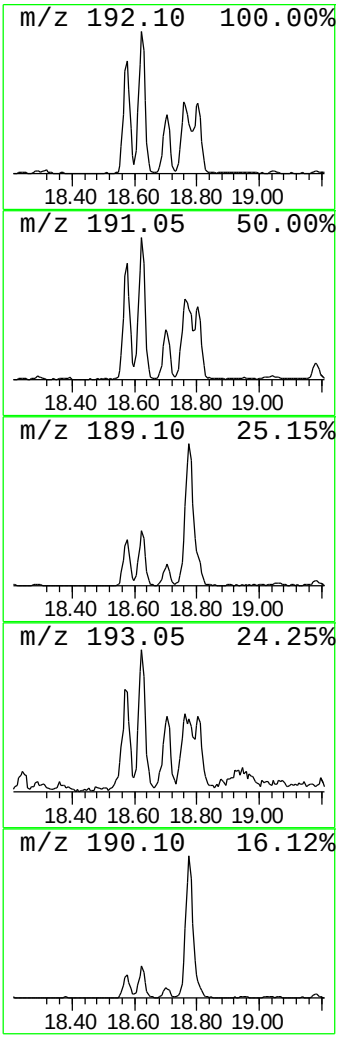
****

Peak Number 18 Naphtho[2,3-b]norbornadiene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	6.27 ng/ul	233924	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

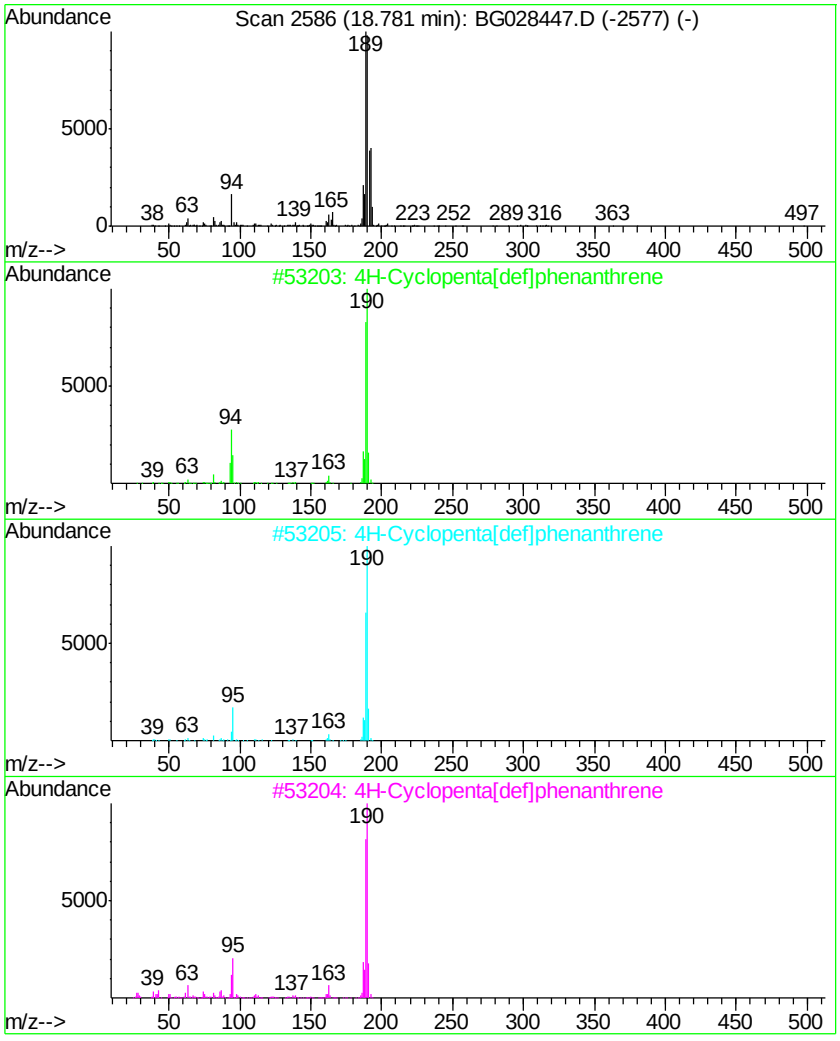
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

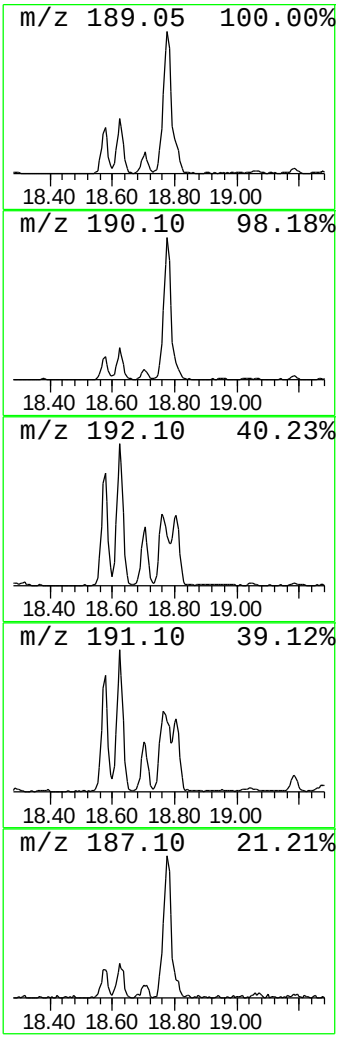
****

Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	29.93 ng/ul	1117060	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	Methyl diselenide	190	C2H6Se2	007101-31-7	45





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

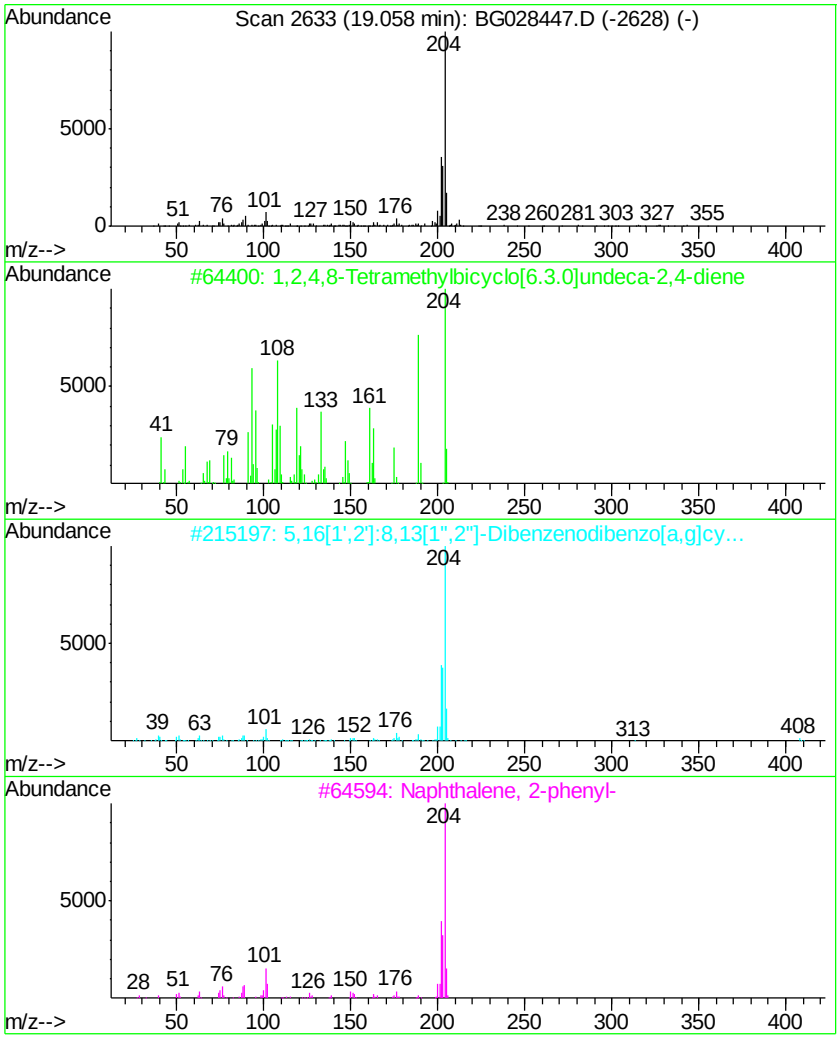
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

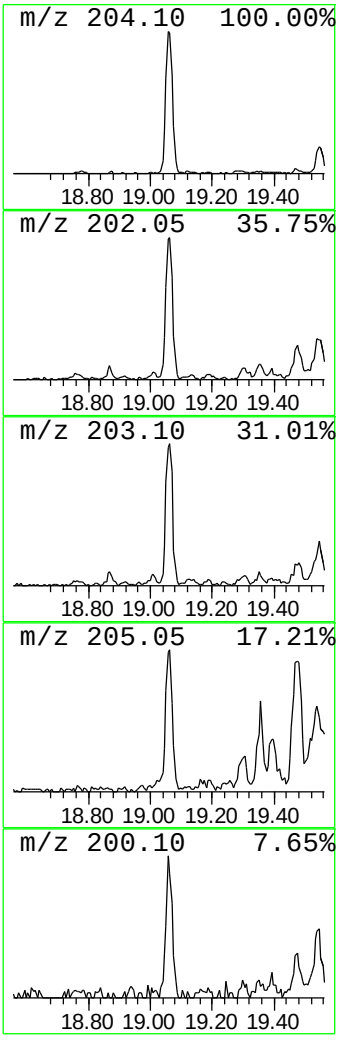
****

Peak Number 20 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	8.28 ng/ul	309022	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

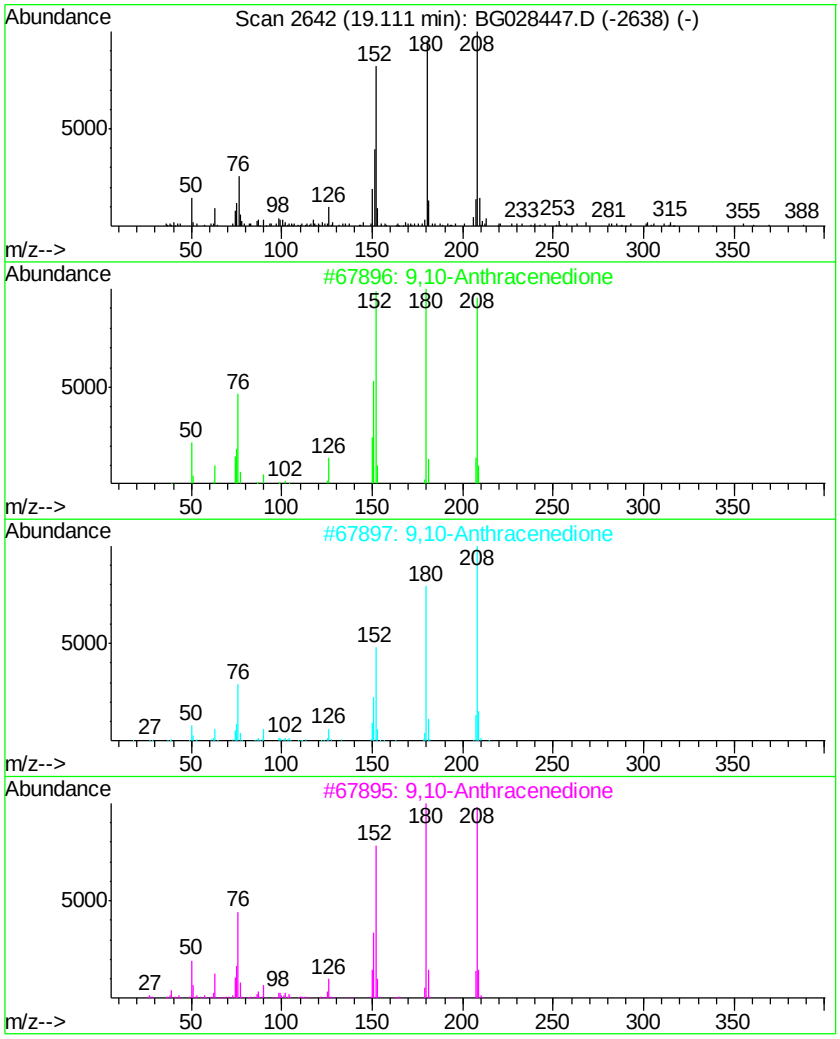
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

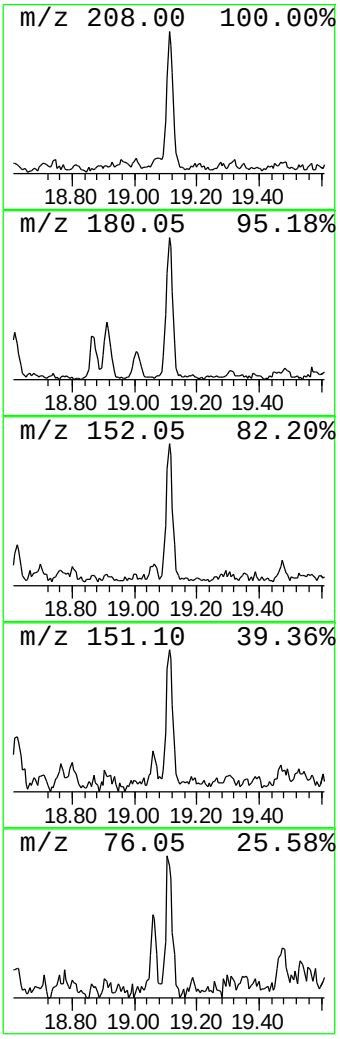
****

Peak Number 21 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	4.57 ng/ul	170540	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

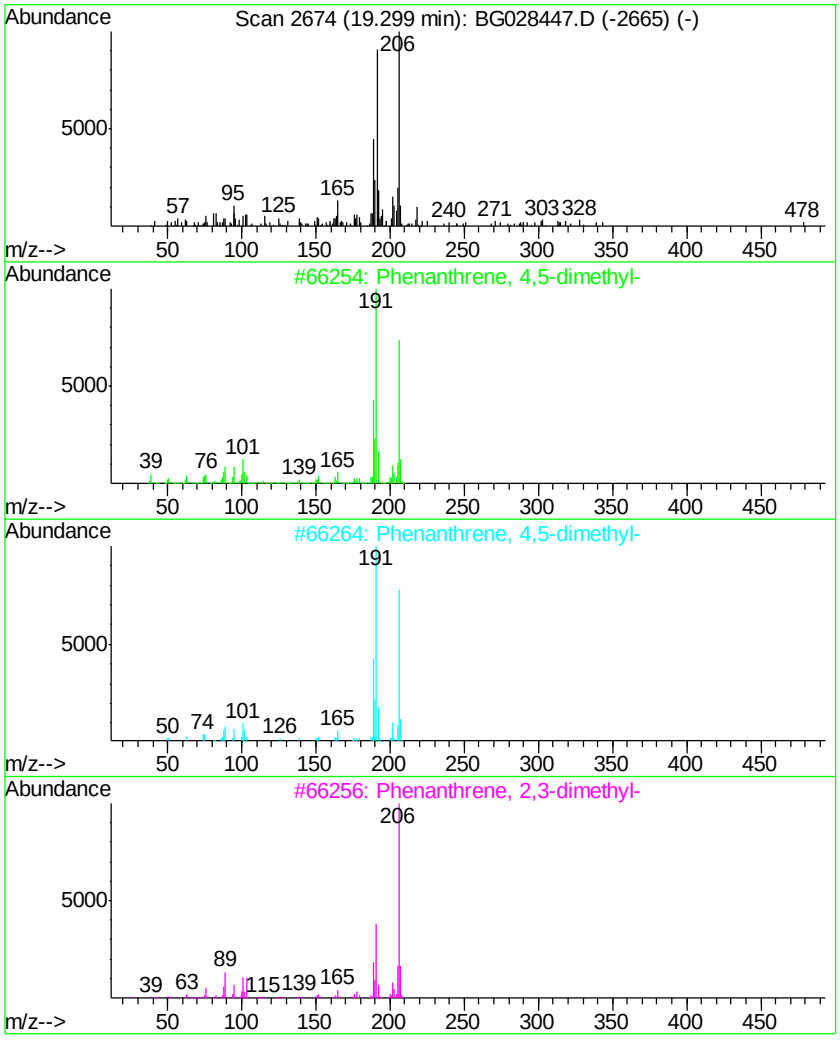
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

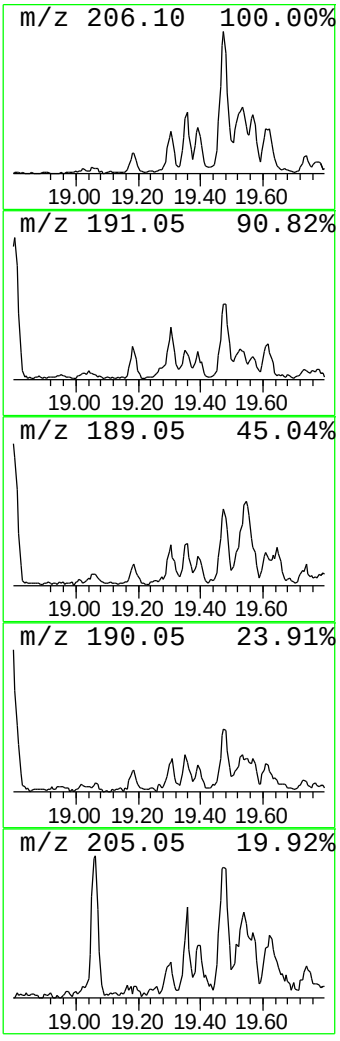
****

Peak Number 22 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	4.02 ng/ul	150183	Phenanthrene-d10	17.71

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	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

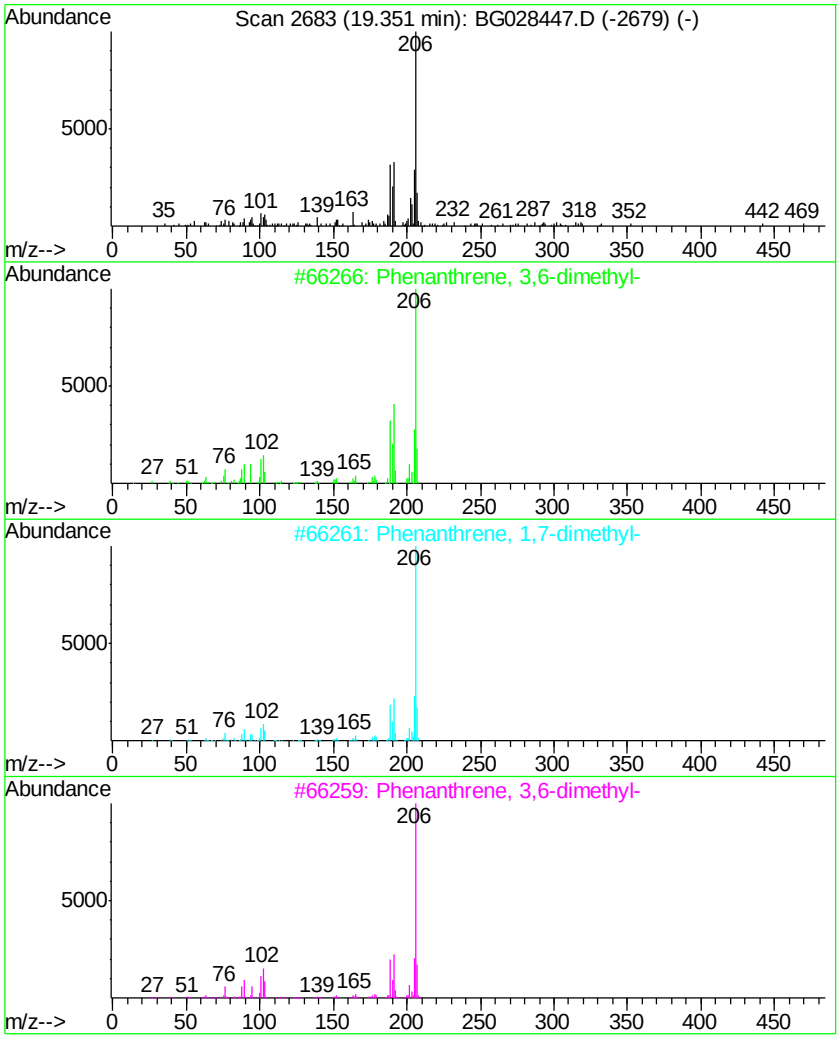
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

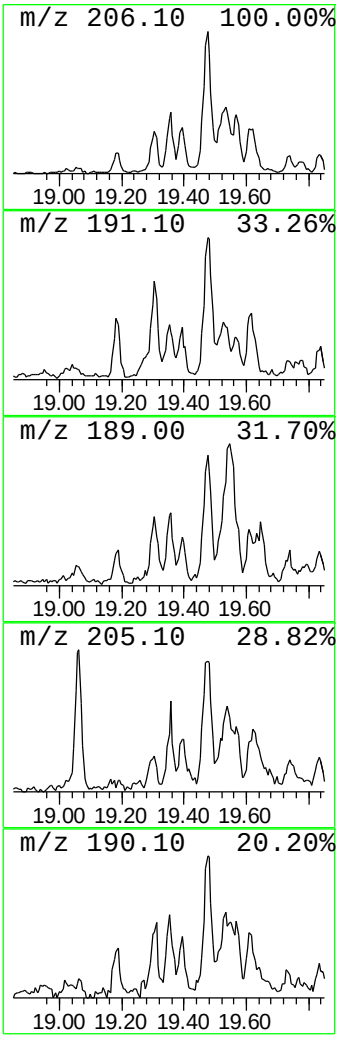
****

Peak Number 23 Phenanthrene, 3,6-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	2.80 ng/ul	104349	Phenanthrene-d10	17.71

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





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

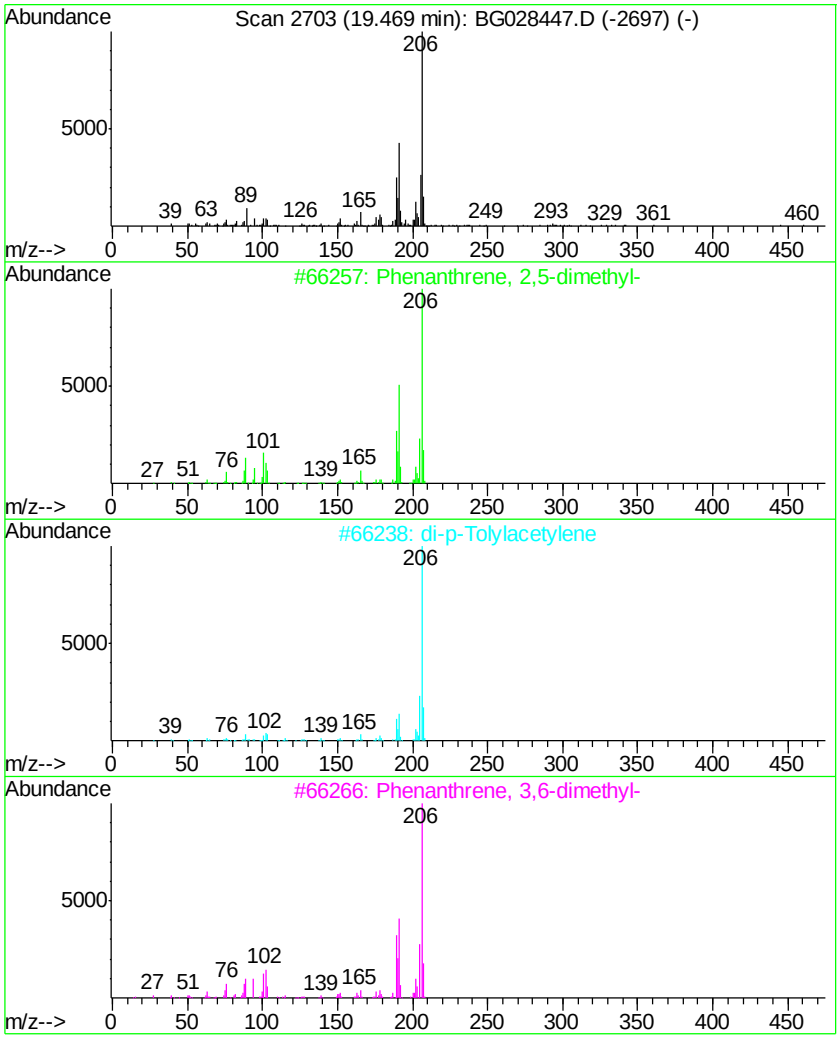
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

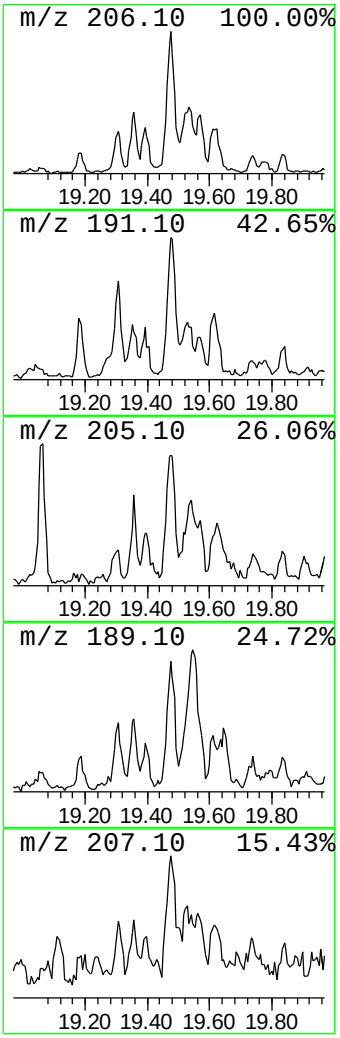
****

Peak Number 24 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	8.53 ng/ul	318544	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

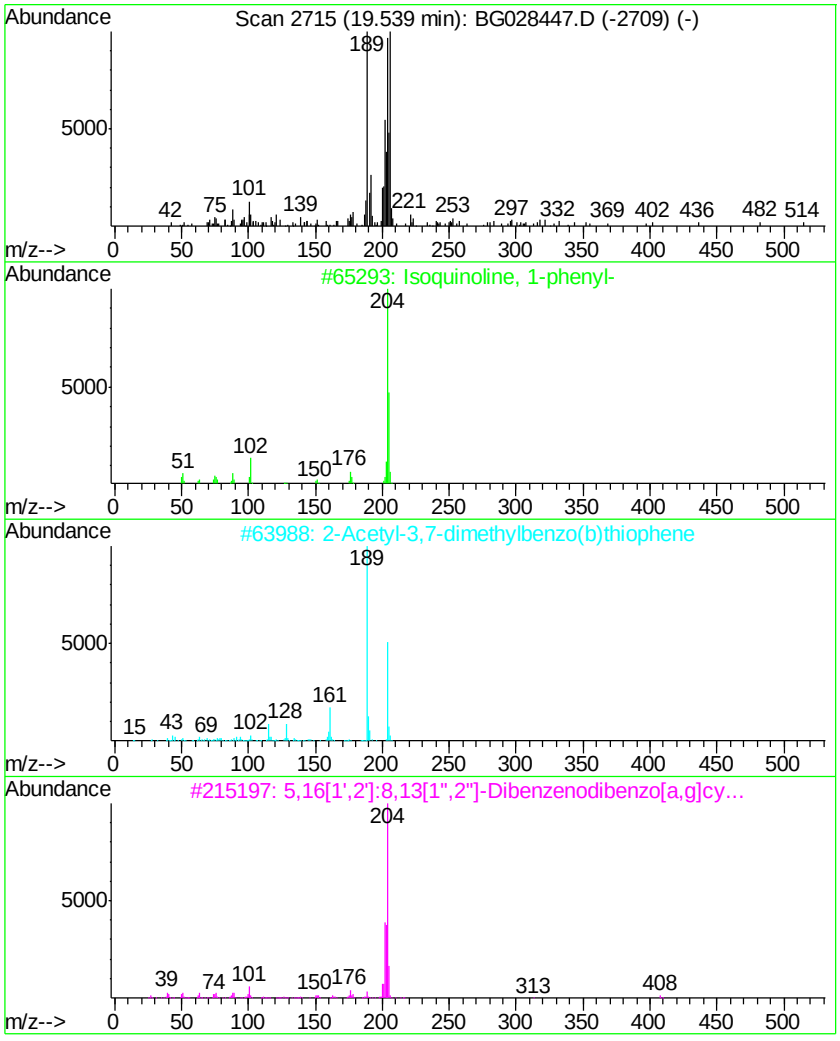
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

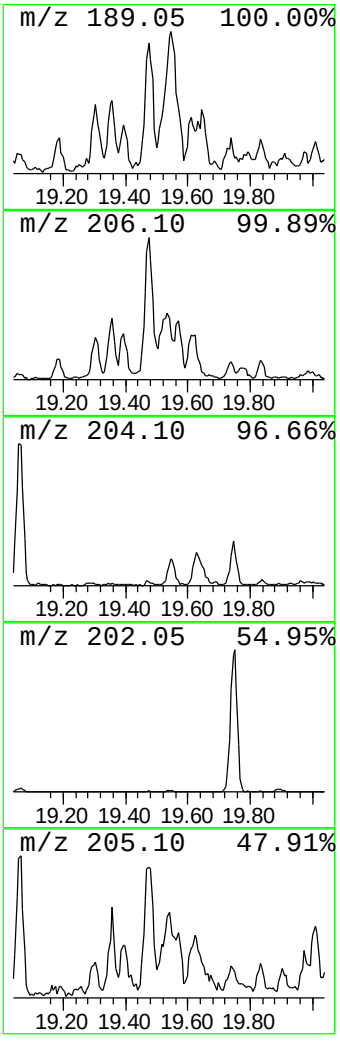
****

Peak Number 25 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	7.60 ng/ul	283594	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	35
2	2-Acetyl-3,7-dimethylbenzo(b)thi...	204	C12H12OS	006179-06-2	30
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	27
5	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

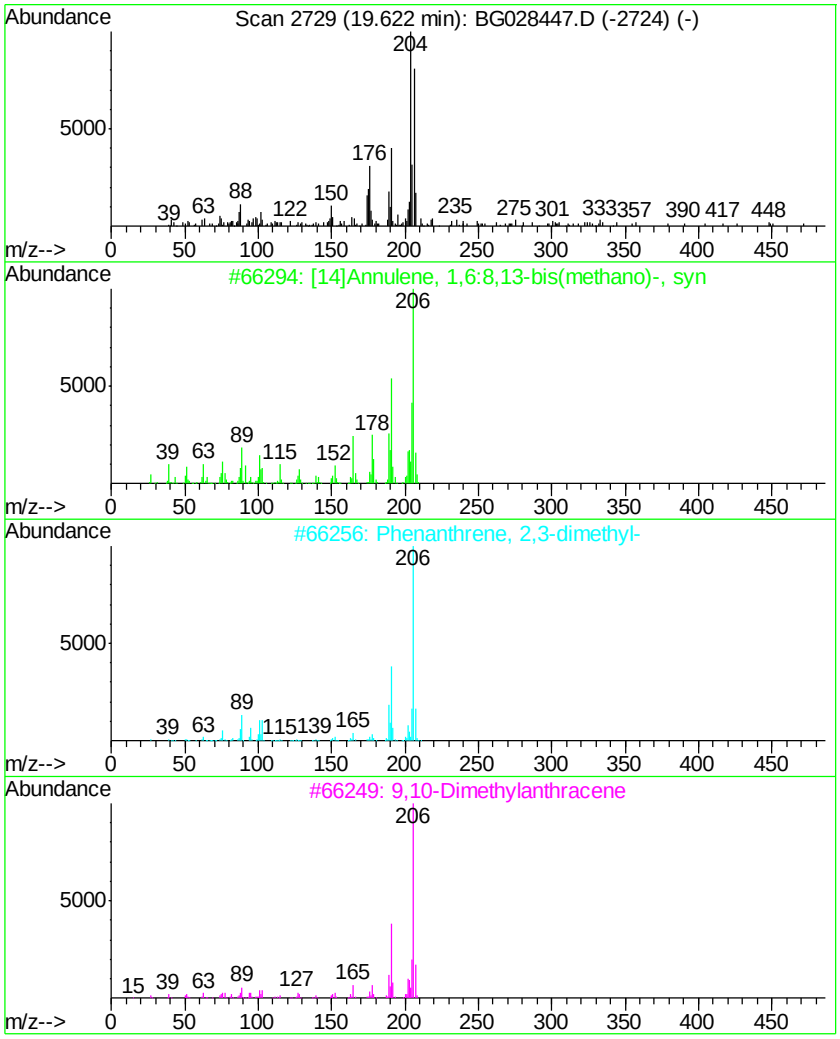
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

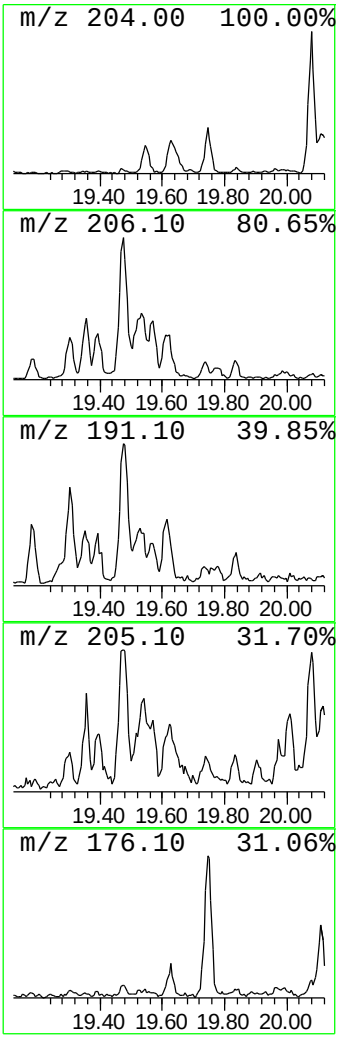
****

Peak Number 26 unknown-03 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	4.90 ng/ul	182724	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	46
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	43
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	38
5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

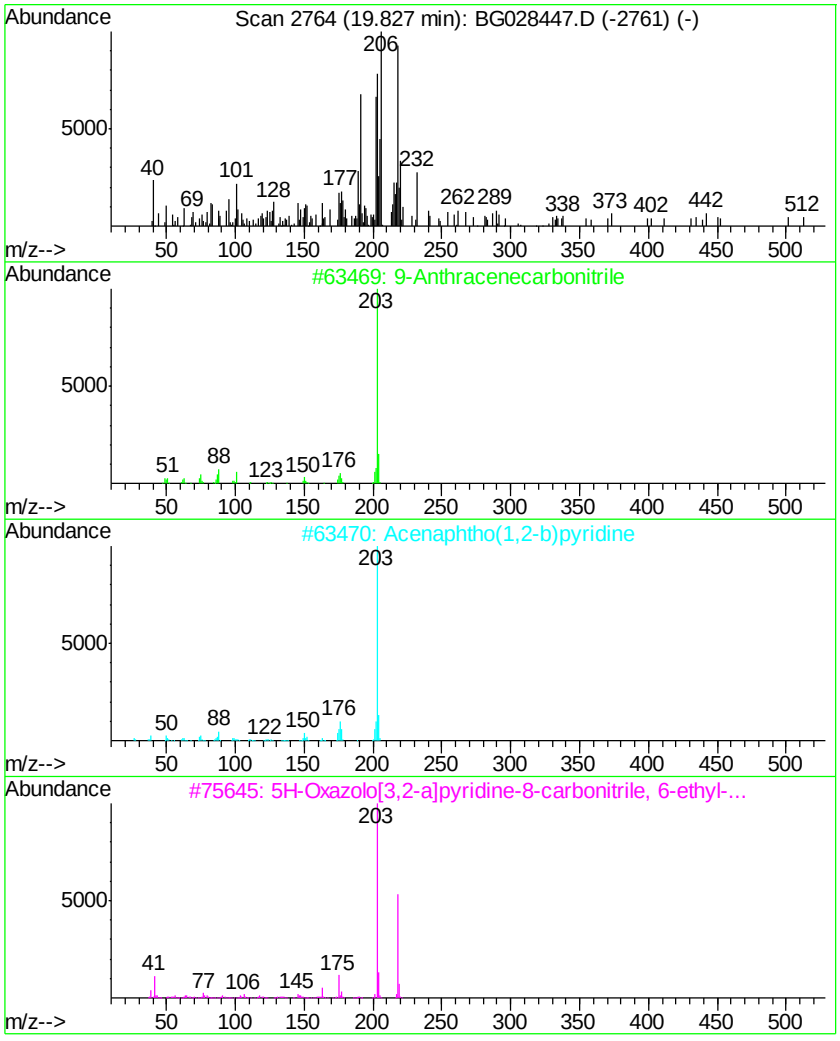
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

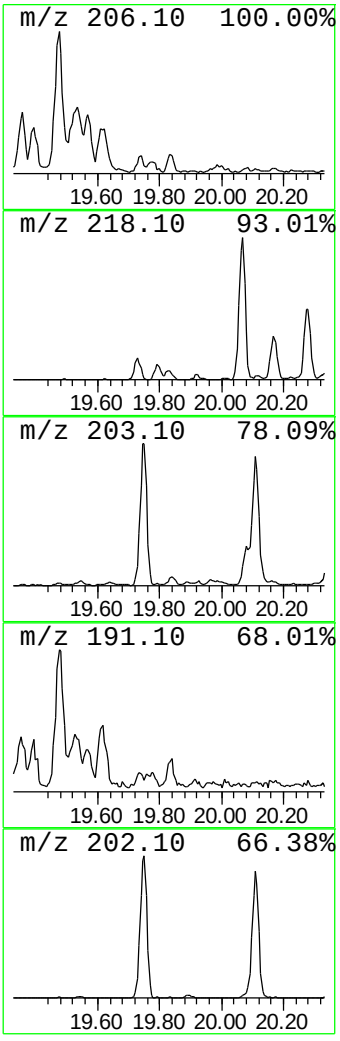
****

Peak Number 27 unknown-04 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	2.43 ng/ul	90879	Phenanthrene-d10	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	38
2	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	38
3	5H-Oxazolo[3,2-a]pyridine-8-carb...	218	C12H14N2O2	1000337-58-3	38
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	35
5	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	30





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

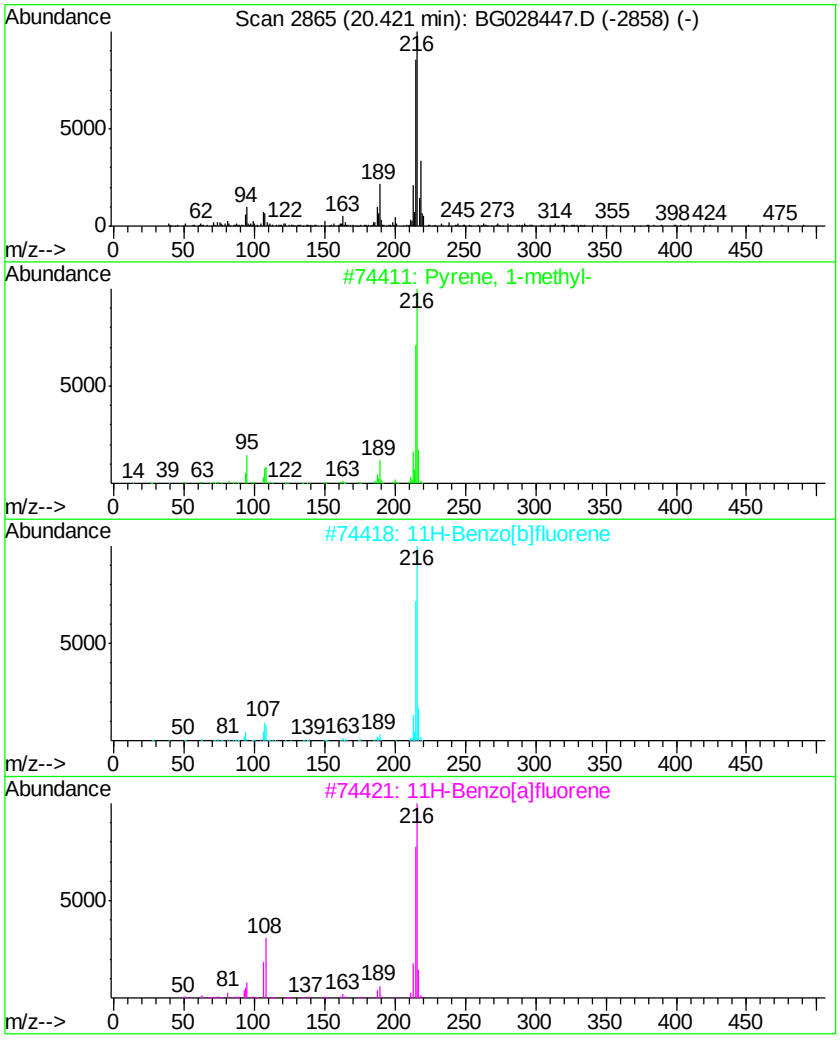
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

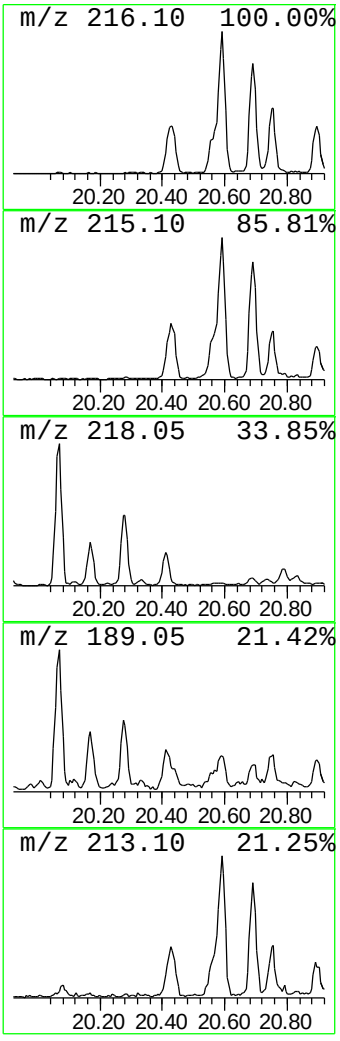
****

Peak Number 28 Pyrene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	2.92 ng/ul	413276	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

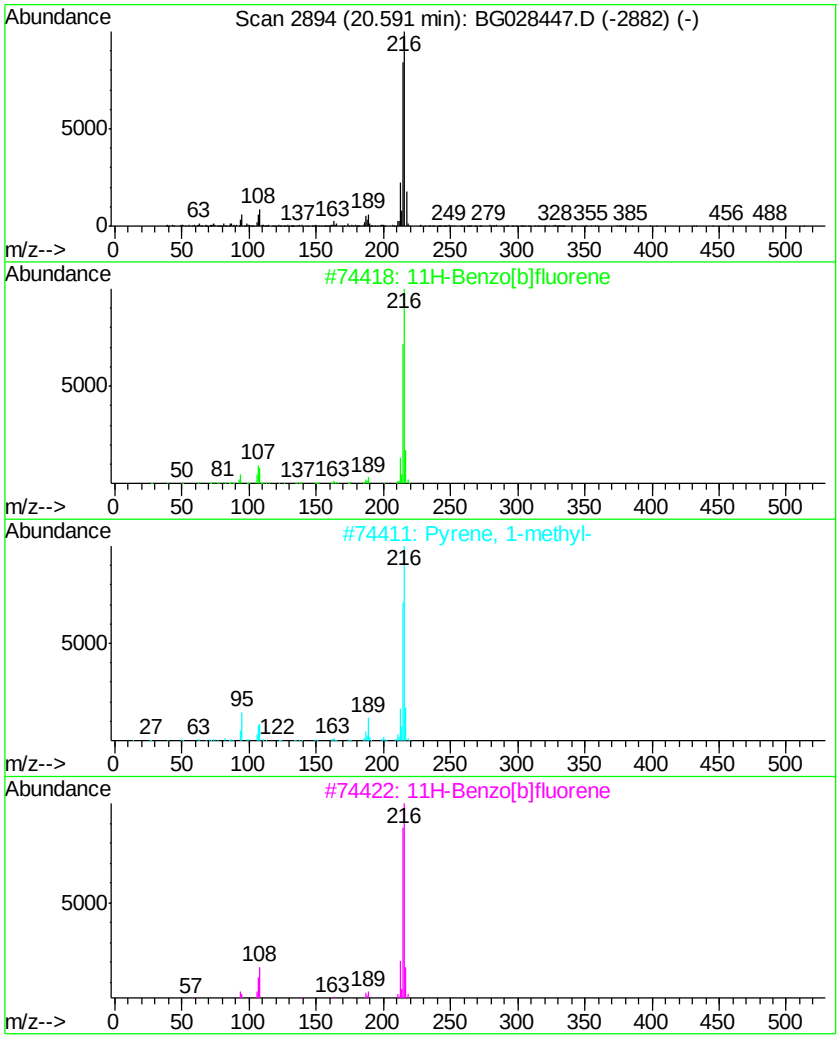
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

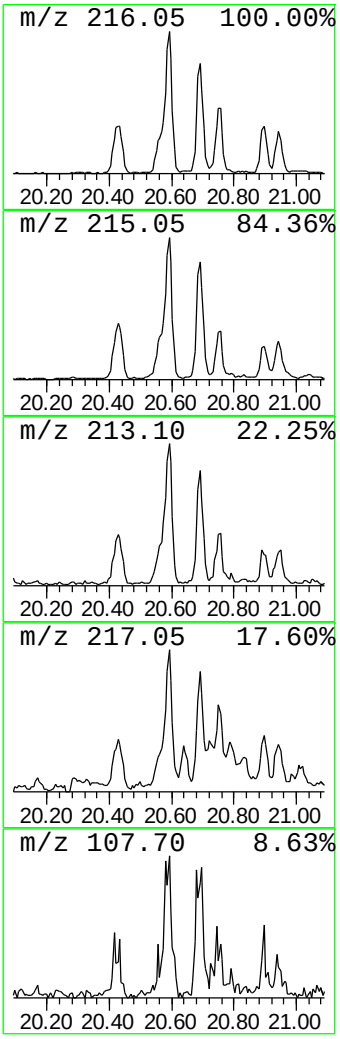
****

Peak Number 29 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	5.57 ng/ul	788302	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

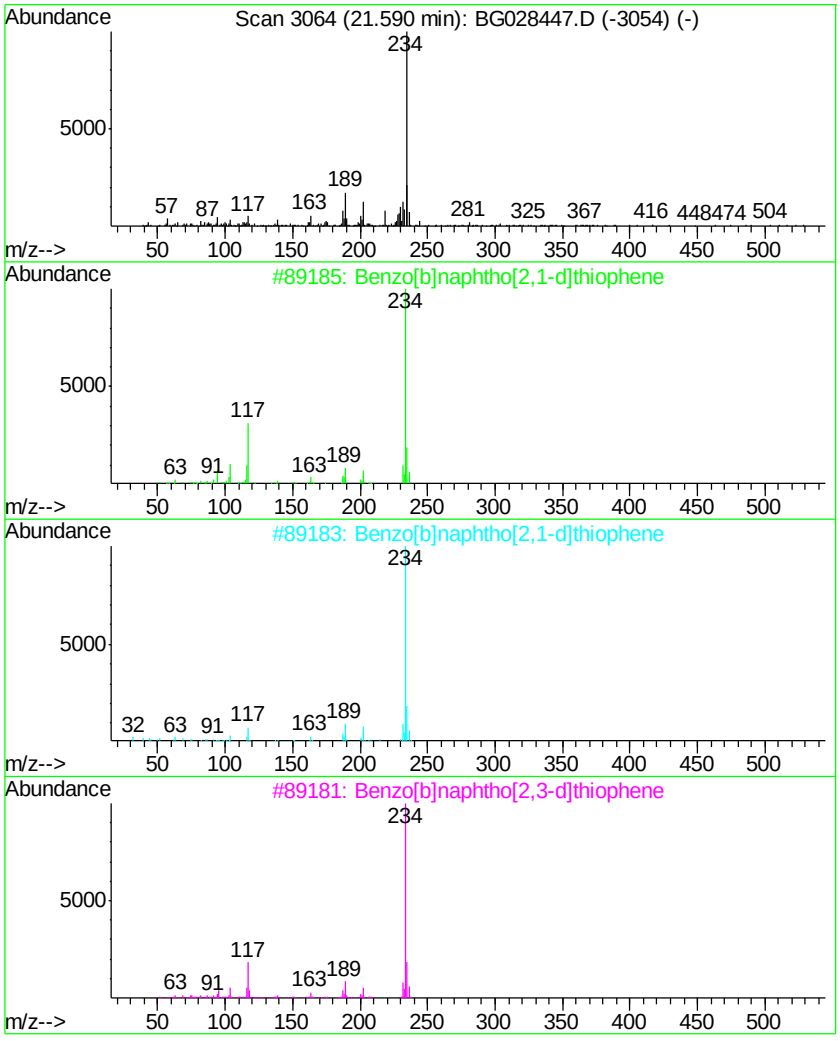
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

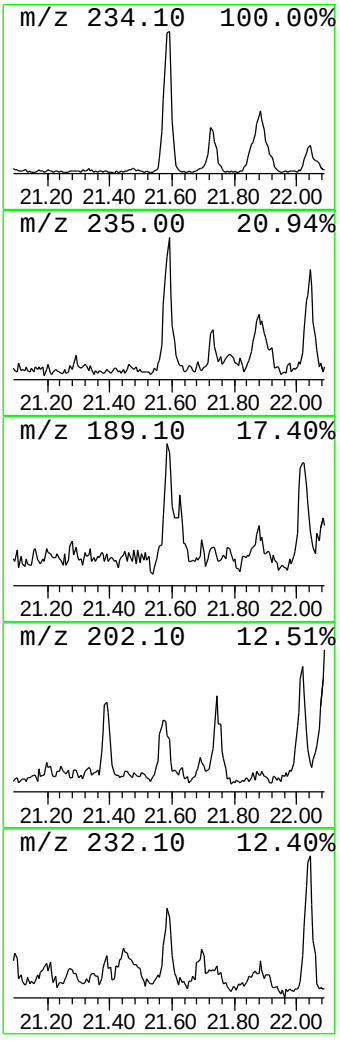
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.59	2.28 ng/ul	322794	Chrysene-d12	22.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	89
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028447.D
Acq On : 23 Aug 2017 12:47
Operator : SJ/JU
Sample : I4827-05DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AB4DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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
Naphthalene, 1-me...	13.01	4.3	ng/ul	90247	2	11.16	418617	20.0
Naphthalene, 2,6-...	14.12	2.4	ng/ul	78848	3	14.96	656308	20.0
Naphthalene, 1,4-...	14.28	3.4	ng/ul	112396	3	14.96	656308	20.0
Naphthalene, 1,7-...	14.33	2.2	ng/ul	72908	3	14.96	656308	20.0
Naphthalene, 2,3-...	14.51	2.3	ng/ul	75318	3	14.96	656308	20.0
[1,1'-Biphenyl]-4...	16.28	4.0	ng/ul	129706	3	14.96	656308	20.0
9H-Fluoren-9-ol	16.43	5.6	ng/ul	210332	4	17.71	746552	20.0
(4-Acetylphenyl)p...	16.63	2.1	ng/ul	78266	4	17.71	746552	20.0
9H-Fluorene, 2-me...	17.00	5.2	ng/ul	195490	4	17.71	746552	20.0
Benzene, 1,2-dime...	17.22	2.7	ng/ul	99131	4	17.71	746552	20.0
unknown-01	17.27	2.6	ng/ul	96987	4	17.71	746552	20.0
Benzo[c]cinnoline	17.35	2.7	ng/ul	99481	4	17.71	746552	20.0
Silanetriamine, 1...	17.42	3.9	ng/ul	147256	4	17.71	746552	20.0
Naphtho[2,3-b]thi...	17.52	5.4	ng/ul	202272	4	17.71	746552	20.0
4-Methylnaphtho[1...	18.29	2.2	ng/ul	83122	4	17.71	746552	20.0
Phenanthrene, 2-m...	18.58	13.1	ng/ul	490422	4	17.71	746552	20.0
Phenanthrene, 1-m...	18.62	15.5	ng/ul	578039	4	17.71	746552	20.0
Naphtho[2,3-b]nor...	18.71	6.3	ng/ul	233924	4	17.71	746552	20.0
4H-Cyclopenta[def...	18.78	29.9	ng/ul	1117060	4	17.71	746552	20.0
1,2,4,8-Tetrameth...	19.06	8.3	ng/ul	309022	4	17.71	746552	20.0
9,10-Anthracenedione	19.11	4.6	ng/ul	170540	4	17.71	746552	20.0
Phenanthrene, 4,5...	19.30	4.0	ng/ul	150183	4	17.71	746552	20.0
Phenanthrene, 3,6...	19.35	2.8	ng/ul	104349	4	17.71	746552	20.0
Phenanthrene, 2,5...	19.47	8.5	ng/ul	318544	4	17.71	746552	20.0
unknown-02	19.54	7.6	ng/ul	283594	4	17.71	746552	20.0
unknown-03	19.62	4.9	ng/ul	182724	4	17.71	746552	20.0
unknown-04	19.83	2.4	ng/ul	90879	4	17.71	746552	20.0
Pyrene, 1-methyl-	20.42	2.9	ng/ul	413276	5	22.04	2829790	20.0
11H-Benzo[b]fluorene	20.59	5.6	ng/ul	788302	5	22.04	2829790	20.0
Benzo[b]naphtho[2...	21.59	2.3	ng/ul	322794	5	22.04	2829790	20.0