LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028427.D
Acq On : 22 Aug 2017 21:18
Operator : SJ/JU
Sample : I4714-01DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3DL

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	4.759	191	199	207	rVB3	23841	38674	1.44%	0.138%
2	7.497	655	665	676	rBV2	44134	94084	3.51%	0.336%
3	7.656	683	692	701	rBV	32503	59635	2.22%	0.213%
4	7.879	721	730	739	rBV	42704	83330	3.10%	0.298%
5	8.343	802	809	822	rBV	142968	253168	9.43%	0.904%
6	9.042	919	928	940	rBV2	53249	103573	3.86%	0.370%
7	9.512	999	1008	1018	rBV	49173	90502	3.37%	0.323%
8	10.235	1123	1131	1139	rBV3	38429	79292	2.95%	0.283%
9	10.787	1215	1225	1234	rBV2	57872	120468	4.49%	0.430%
10	11.164	1280	1289	1298	rBV	225358	422515	15.74%	1.509%
11	11.299	1303	1312	1321	rBV2	42452	93083	3.47%	0.332%
12	14.336	1823	1829	1834	rBV	138268	207559	7.73%	0.741%
13	14.389	1834	1838	1847	rVB	43033	66201	2.47%	0.236%
14	14.648	1875	1882	1892	rVB2	136887	228383	8.51%	0.816%
15	14.953	1922	1934	1941	rBV2	409869	683154	25.45%	2.440%
16	15.018	1941	1945	1952	rVB2	17187	29993	1.12%	0.107%
17	15.171	1963	1971	1980	rBV6	12285	34067	1.27%	0.122%
18	15.347	1995	2001	2009	rVB2	12379	25952	0.97%	0.093%
19	15.940	2093	2102	2107	rBV	193767	307285	11.45%	1.097%
20	15.993	2108	2111	2118	rVV2	21637	33035	1.23%	0.118%
21	16.064	2118	2123	2130	rVB5	24512	40267	1.50%	0.144%
22	17.356	2336	2343	2348	rBV3	26918	42321	1.58%	0.151%
23	17.521	2362	2371	2381	rVB	28849	52320	1.95%	0.187%
24	17.703	2394	2402	2405	rBV	536683	851579	31.72%	3.041%
25	17.744	2405	2409	2414	rVV	678650	999555	37.24%	3.570%
26	17.797	2414	2418	2430	rVV2	222538	416238	15.51%	1.487%
27	17.891	2430	2434	2442	rVB	36681	61545	2.29%	0.220%
28	18.102	2461	2470	2482	rBV2	89925	175918	6.55%	0.628%
29	18.285	2496	2501	2510	rVB8	15189	26751	1.00%	0.096%
30	18.572	2541	2550	2554	rVV	56558	114103	4.25%	0.408%
31	18.619	2554	2558	2566	rVB2	82026	123940	4.62%	0.443%
32	18.772	2576	2584	2587	rBV4	94280	208371	7.76%	0.744%
33	18.802	2587	2589	2594	rVB3	45473	61106	2.28%	0.218%
34	19.060	2620	2633	2636	rBV2	59142	119397	4.45%	0.426%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028427.D
Acq On : 22 Aug 2017 21:18
Operator : SJ/JU
Sample : I4714-01DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3DL

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	19.107	2636	2641	2648	rVB	201034	302956	11.29%	1.082%
36	19.301	2666	2674	2678	rBV9	18691	34423	1.28%	0.123%
37	19.477	2696	2704	2707	rBV2	23037	50979	1.90%	0.182%
38	19.618	2721	2728	2735	rVB2	60509	139566	5.20%	0.498%
39	19.742	2735	2749	2756	rBV	1763032	2593734	96.63%	9.264%
40	19.830	2762	2764	2769	rVB2	24281	29888	1.11%	0.107%
41	19.930	2776	2781	2784	rBV4	33093	53696	2.00%	0.192%
42	19.988	2786	2791	2798	rVB2	42749	80006	2.98%	0.286%
43	20.106	2799	2811	2817	rBV2	1286078	2684271	100.00%	9.587%
44	20.165	2817	2821	2826	rVB2	50641	71703	2.67%	0.256%
45	20.270	2833	2839	2844	rBV	67827	104390	3.89%	0.373%
46	20.341	2845	2851	2856	rVB	52442	102088	3.80%	0.365%
47	20.417	2857	2864	2870	rBV3	68482	159407	5.94%	0.569%
48	20.476	2870	2874	2881	rVB3	34205	59063	2.20%	0.211%
49	20.588	2881	2893	2903	rBV	133666	355288	13.24%	1.269%
50	20.688	2905	2910	2913	rBV	88998	128836	4.80%	0.460%
51	20.746	2913	2920	2924	rVV2	74912	177763	6.62%	0.635%
52	20.782	2924	2926	2930	rVV2	45257	55634	2.07%	0.199%
53	20.829	2930	2934	2940	rVB8	20195	41466	1.54%	0.148%
54	20.893	2940	2945	2948	rBV	47406	73020	2.72%	0.261%
55	20.940	2948	2953	2961	rVB3	41624	83915	3.13%	0.300%
56	21.199	2994	2997	3003	rVV7	11304	27196	1.01%	0.097%
57	21.340	3017	3021	3023	rBV5	18675	31969	1.19%	0.114%
58	21.381	3023	3028	3035	rVB	153338	271070	10.10%	0.968%
59	21.581	3053	3062	3066	rBV2	132951	317518	11.83%	1.134%
60	21.628	3066	3070	3074	rVV	101130	182396	6.79%	0.651%
61	21.681	3074	3079	3084	rVV2	130594	274520	10.23%	0.980%
62	21.739	3084	3089	3102	rVB2	146297	316329	11.78%	1.130%
63	21.880	3104	3113	3121	rBV2	48120	140739	5.24%	0.503%
64	22.027	3123	3138	3143	rBV3	747480	2253957	83.97%	8.050%
65	22.086	3143	3148	3159	rVB	619288	1212894	45.19%	4.332%
66	22.186	3161	3165	3170	rVB8	18346	28535	1.06%	0.102%
67	22.251	3170	3176	3182	rBV	79196	154082	5.74%	0.550%
68	22.321	3182	3188	3193	rBV3	39704	81561	3.04%	0.291%
69	22.474	3208	3214	3220	rBV3	78882	167501	6.24%	0.598%
70	22.538	3221	3225	3231	rVB5	21961	39936	1.49%	0.143%
71	22.815	3263	3272	3279	rVB	55299	141444	5.27%	0.505%

LSC Area Percent Report

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Data File : BG028427.D
Acq On : 22 Aug 2017 21:18
Operator : SJ/JU
Sample : I4714-01DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3DL

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	22.909	3280	3288	3295	rVB6	71793	179586	6.69%	0.641%
73	22.985	3298	3301	3307	rVB5	20839	36585	1.36%	0.131%
74	23.050	3307	3312	3316	rBV7	18396	35654	1.33%	0.127%
75	23.120	3318	3324	3329	rBV4	43949	105480	3.93%	0.377%
76	23.255	3343	3347	3363	rVB7	36853	107419	4.00%	0.384%
77	23.549	3392	3397	3407	rBV7	25178	82644	3.08%	0.295%
78	24.007	3465	3475	3486	rBV5	43969	169882	6.33%	0.607%
79	24.283	3515	3522	3527	rVB4	22360	48421	1.80%	0.173%
80	24.419	3534	3545	3554	rBV	508453	1867480	69.57%	6.670%
81	24.607	3574	3577	3585	rVV9	16338	31974	1.19%	0.114%
82	24.701	3585	3593	3602	rVB2	63537	176606	6.58%	0.631%
83	24.924	3623	3631	3644	rBV9	35841	136944	5.10%	0.489%
84	25.071	3648	3656	3658	rBV9	22250	49351	1.84%	0.176%
85	25.212	3670	3680	3688	rBV	258632	742883	27.68%	2.653%
86	25.294	3688	3694	3699	rVV2	101717	262531	9.78%	0.938%
87	25.376	3699	3708	3719	rVB	337687	1010474	37.64%	3.609%
88	25.541	3719	3736	3744	rBV3	290933	1032196	38.45%	3.686%
89	25.629	3745	3751	3765	rVB3	91094	288088	10.73%	1.029%
90	26.704	3925	3934	3945	rVB5	43711	140967	5.25%	0.503%
91	27.045	3984	3992	4000	rBV7	20046	70519	2.63%	0.252%
92	28.167	4176	4183	4195	rVB6	29670	91698	3.42%	0.327%
93	28.349	4205	4214	4218	rBV6	12519	37822	1.41%	0.135%
94	29.389	4388	4391	4396	rBV7	14360	25190	0.94%	0.090%
95	29.565	4404	4421	4442	rVB3	180015	1000778	37.28%	3.574%
96	29.959	4479	4488	4490	rBV10	14746	38535	1.44%	0.138%
97	30.077	4501	4508	4519	rVB3	20631	80887	3.01%	0.289%
98	30.241	4525	4536	4552	rVB6	25937	126821	4.72%	0.453%
99	30.811	4620	4633	4649	rBV	111506	547200	20.39%	1.954%
100	31.481	4738	4747	4763	rVB4	21292	103735	3.86%	0.370%

Sum of corrected areas: 27999453

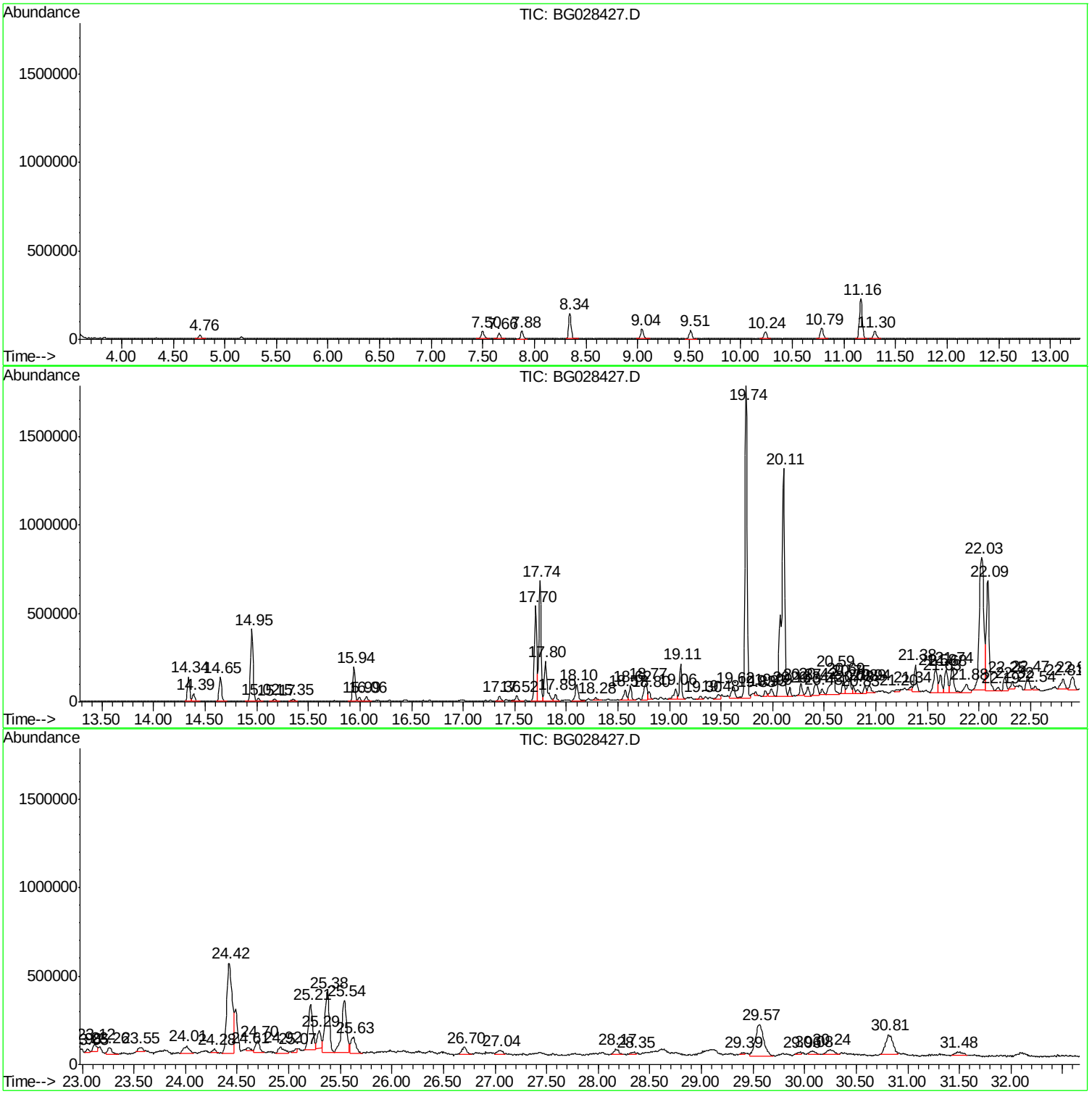
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028427.D
Acq On : 22 Aug 2017 21:18
Operator : SJ/JU
Sample : I4714-01DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3DL

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028427.D
Acq On : 22 Aug 2017 21:18
Operator : SJ/JU
Sample : I4714-01DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3DL

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

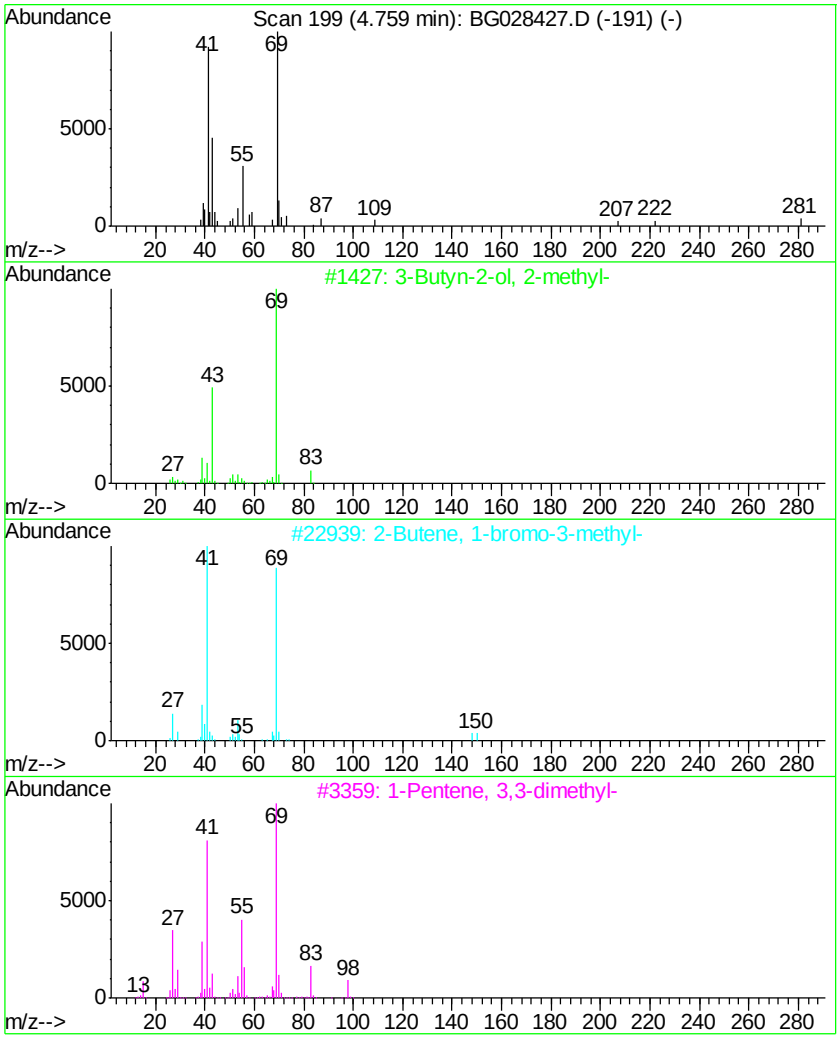
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

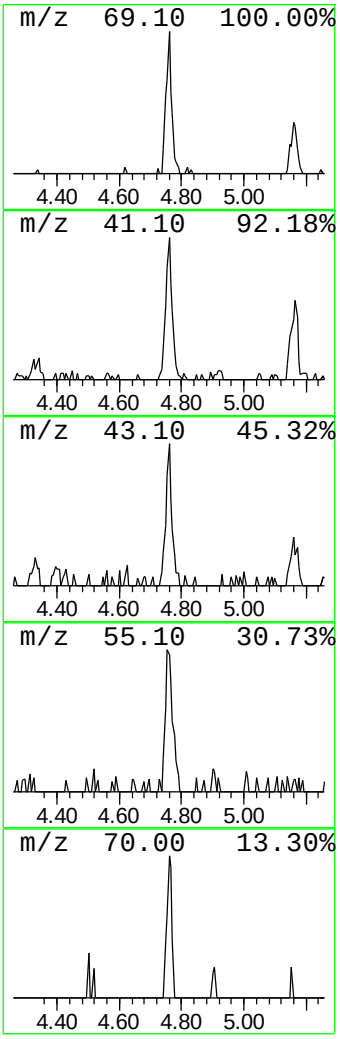
****

Peak Number 1 3-Butyn-2-ol, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	3.06 ng/ul	38674	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butyn-2-ol, 2-methyl-	84	C5H8O	000115-19-5	50
2	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	50
3	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	50
4	1,5-Heptadiene, 3,6-dimethyl-	124	C9H16	034891-10-6	39
5	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	39





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028427.D
Acq On : 22 Aug 2017 21:18
Operator : SJ/JU
Sample : I4714-01DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3DL

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

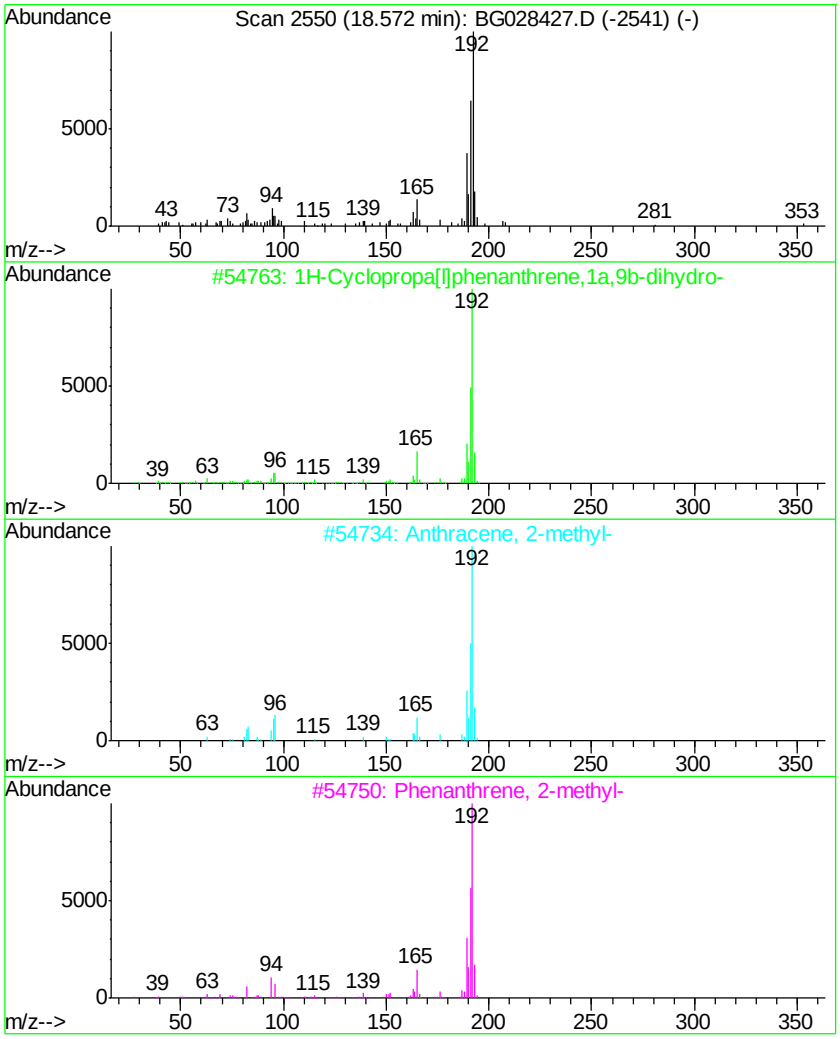
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

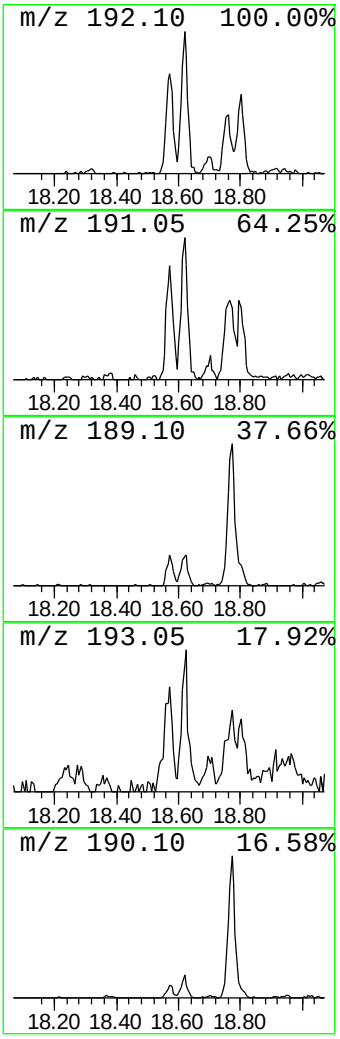
****

Peak Number 2 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	2.68 ng/ul	114103	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028427.D
Acq On : 22 Aug 2017 21:18
Operator : SJ/JU
Sample : I4714-01DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3DL

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

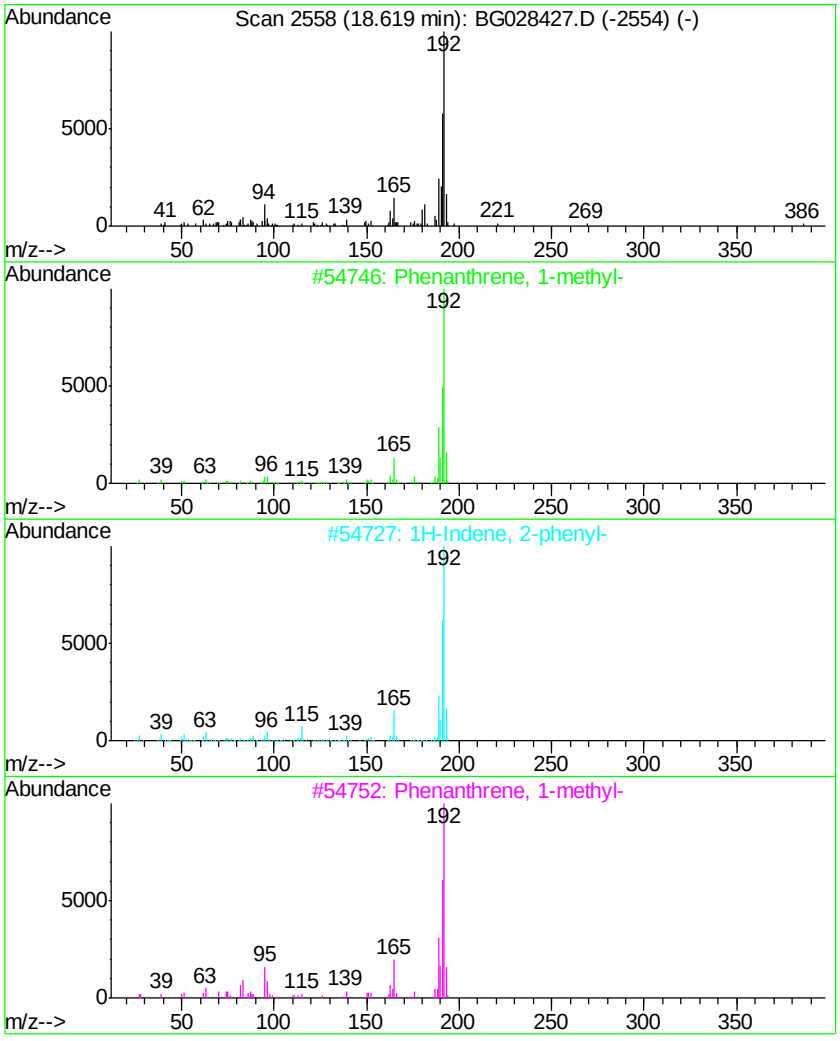
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

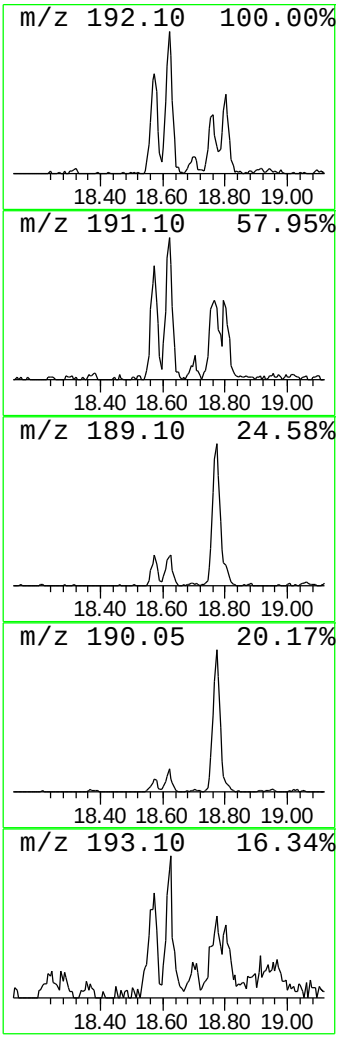
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.91 ng/ul	123940	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028427.D
Acq On : 22 Aug 2017 21:18
Operator : SJ/JU
Sample : I4714-01DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3DL

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

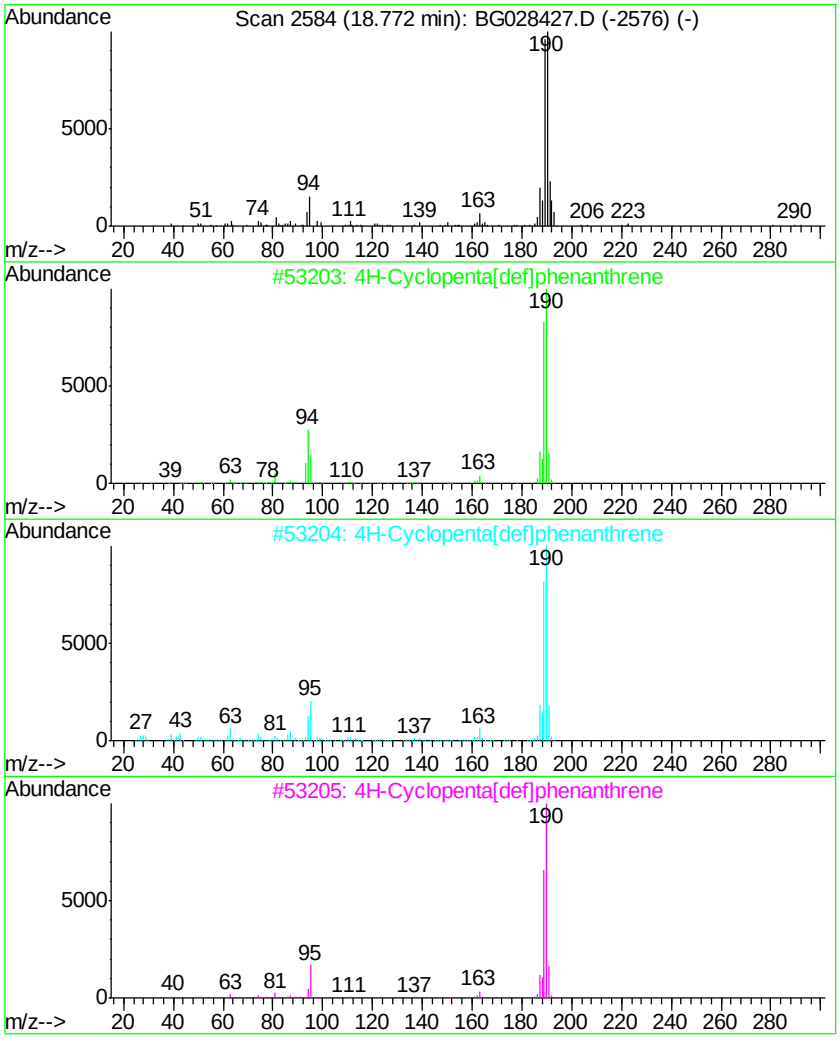
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

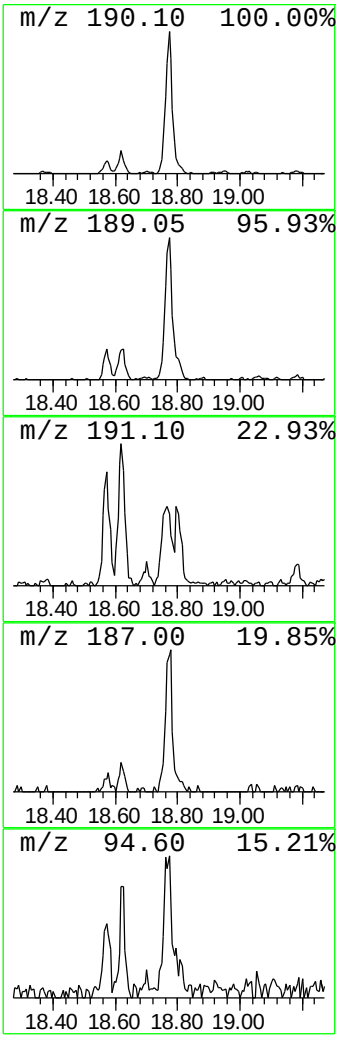
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	4.89 ng/ul	208371	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	36





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028427.D
Acq On : 22 Aug 2017 21:18
Operator : SJ/JU
Sample : I4714-01DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3DL

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

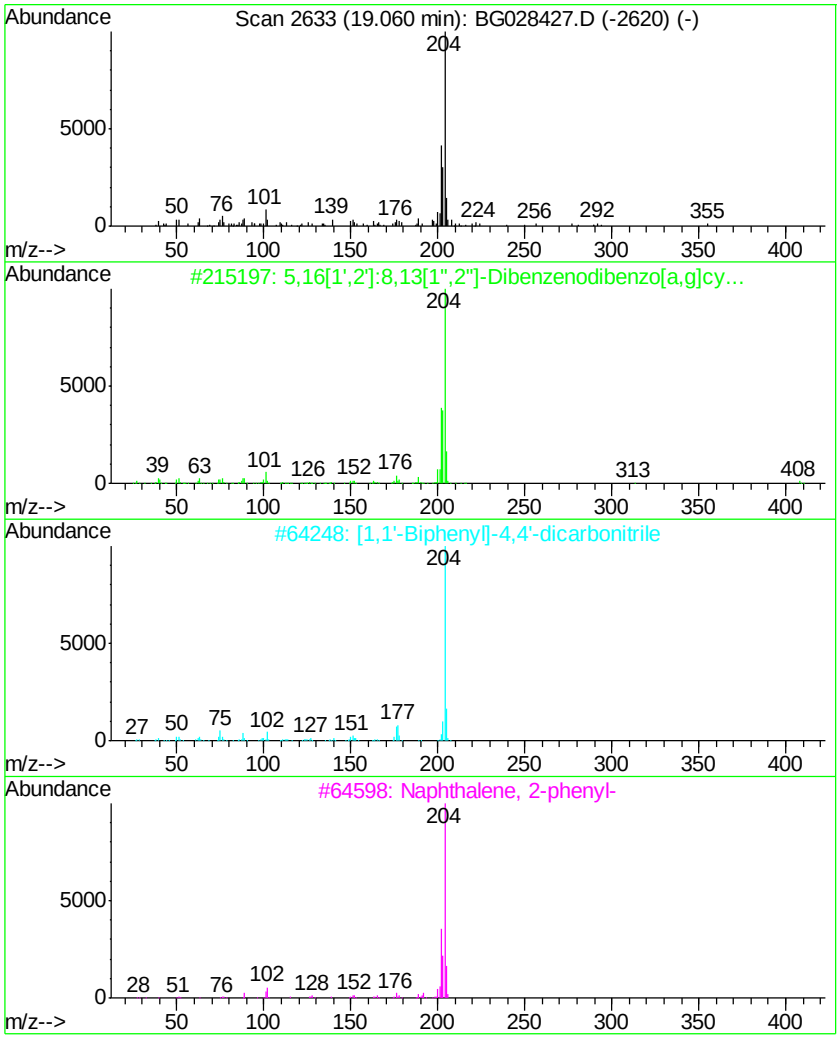
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

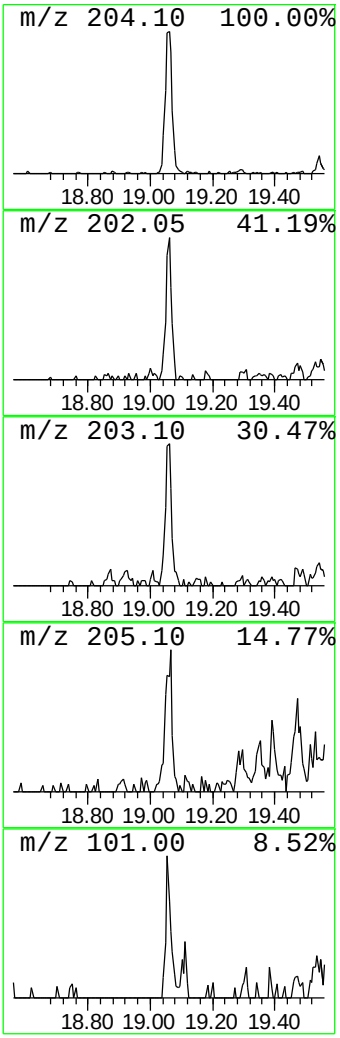
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	2.80 ng/ul	119397	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	60
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52





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Acq On : 22 Aug 2017 21:18
Operator : SJ/JU
Sample : I4714-01DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3DL

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Quant Title : SVOA CALIBRATION

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

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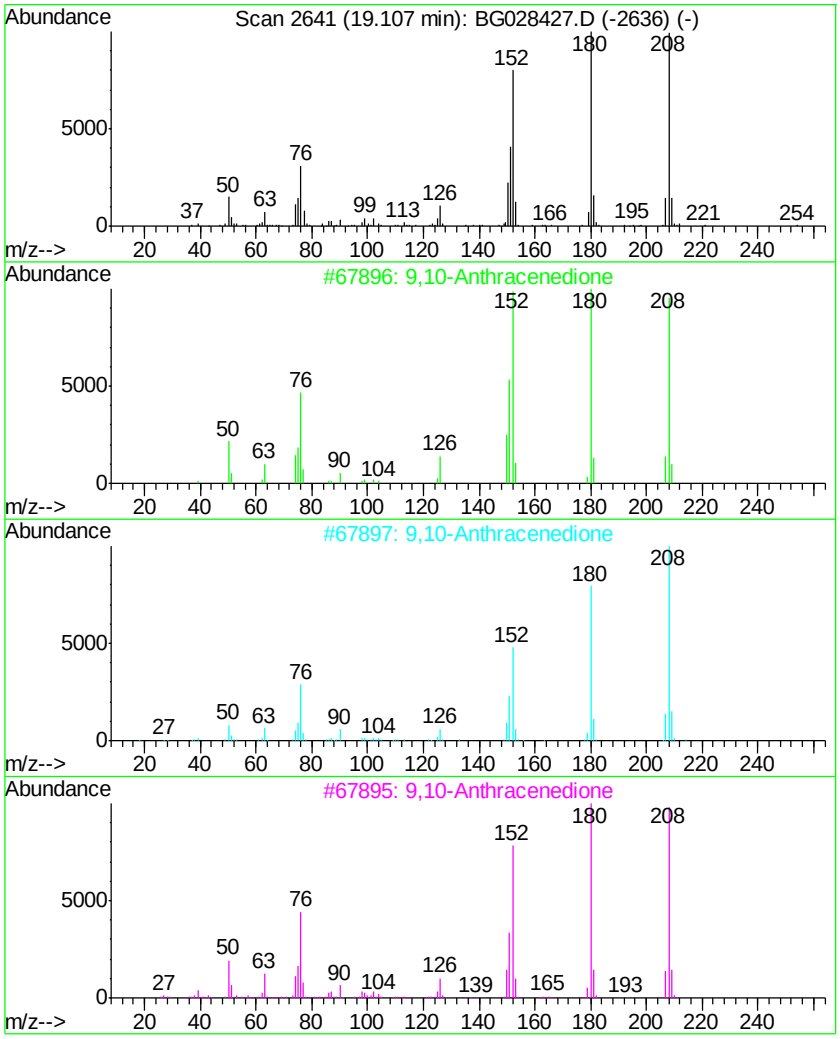
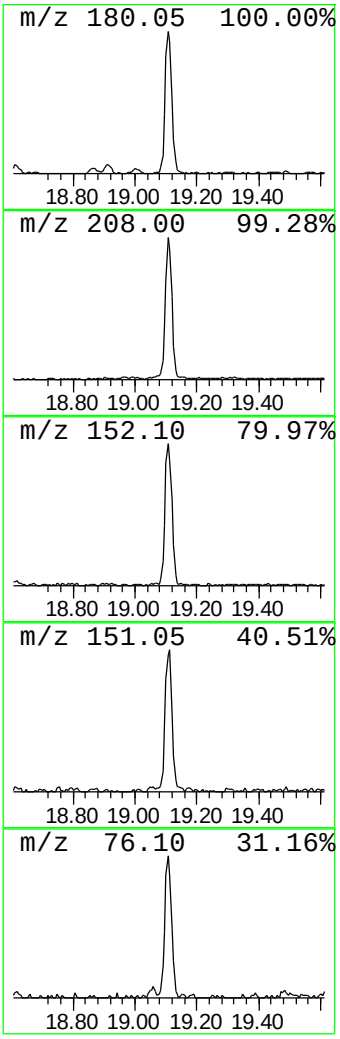
Peak Number 6 9,10-Anthracenedione Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	7.12 ng/ul	302956	Phenanthrene-d10	17.70

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	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





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Misc :
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Instrument : BNA_G
ClientSampleId : E7GD3DL

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Quant Title : SVOA CALIBRATION

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

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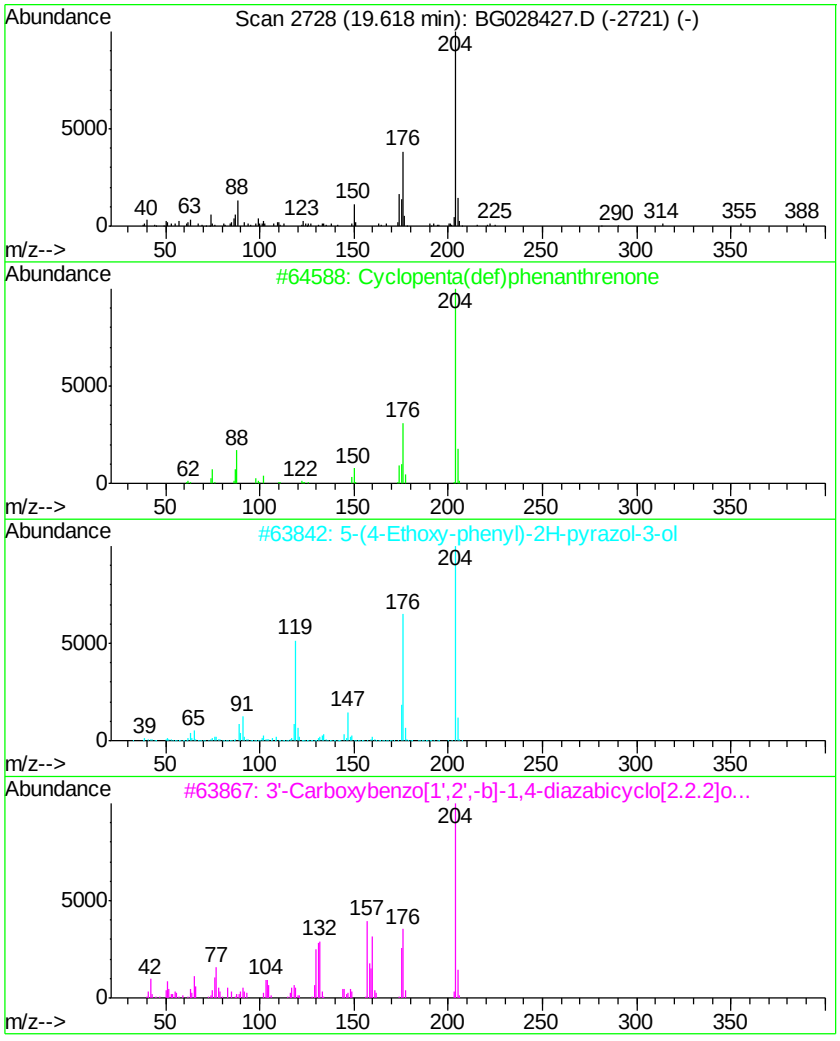
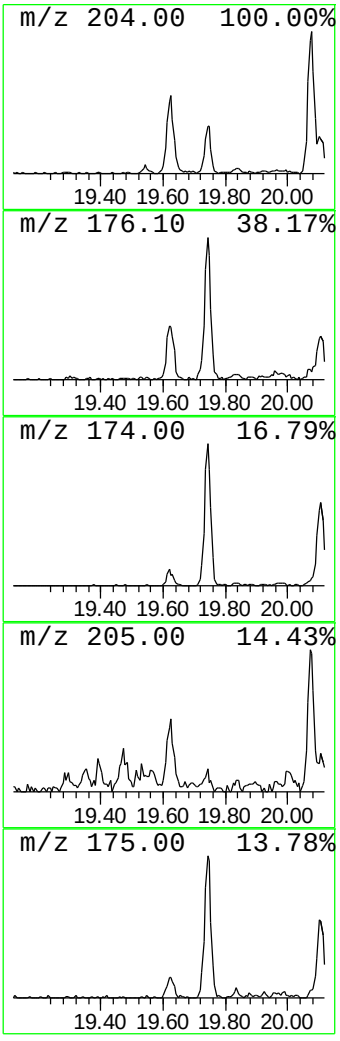
Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	3.28 ng/ul	139566	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	72
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	64
3	3'-Carboxybenzo[1',2',-b]-1,4-di...	204	C11H12N2O2	138023-41-3	53
4	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	47
5	4-Phosphacyclopentene, 4-mesityl-	204	C13H17P	214605-01-3	45





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Quant Title : SVOA CALIBRATION

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

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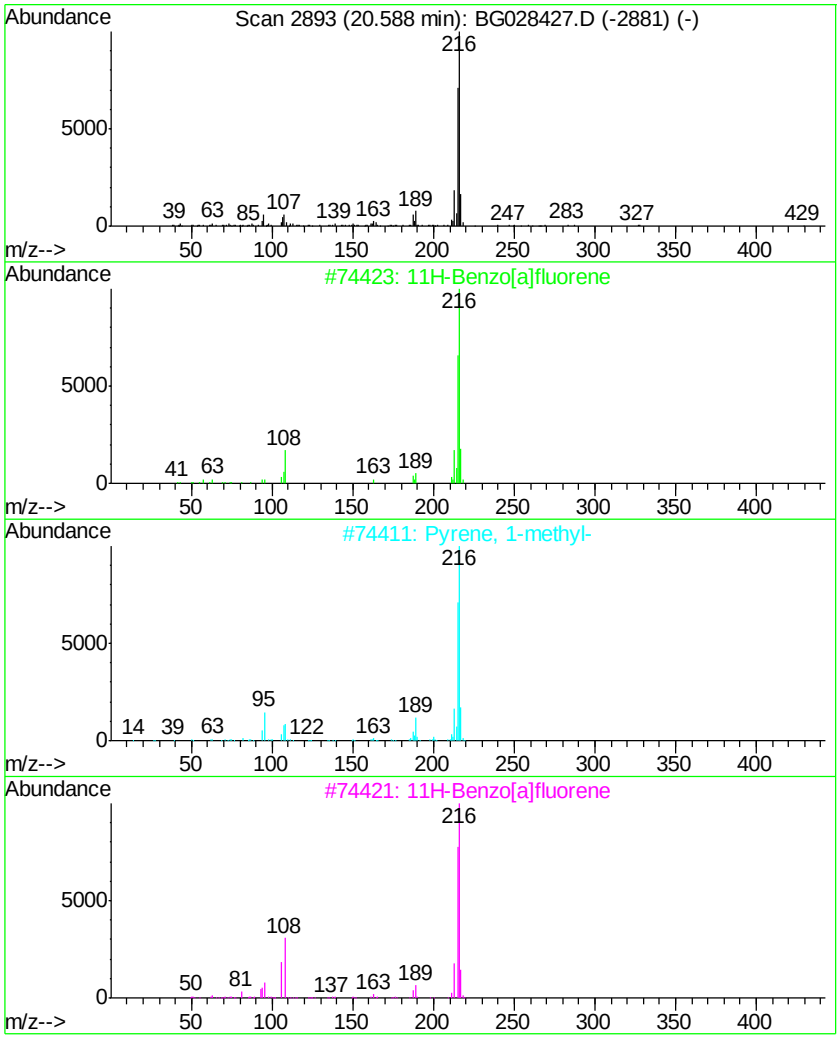
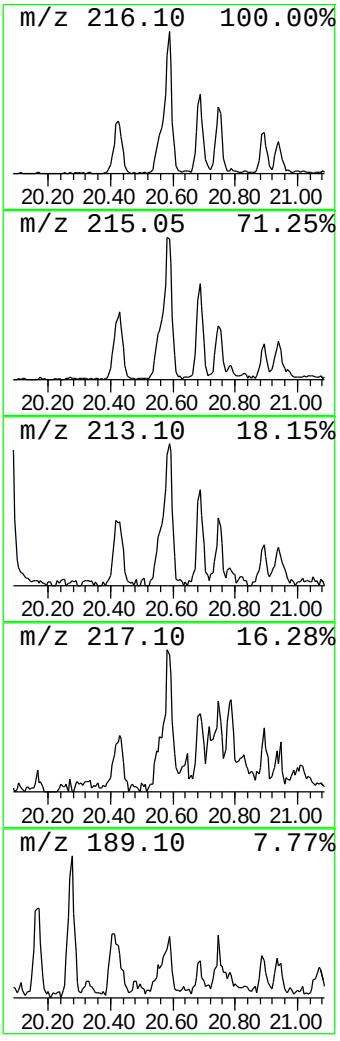
Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	3.15 ng/ul	355288	Chrysene-d12	22.03

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





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Sample : I4714-01DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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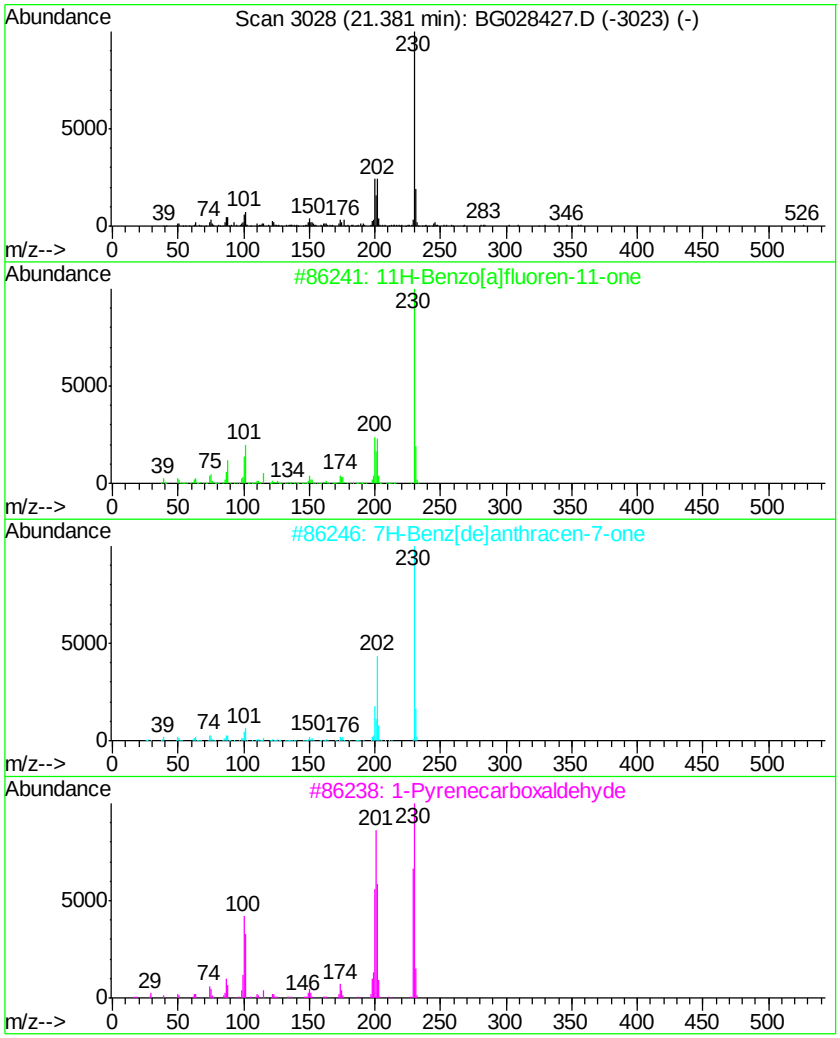
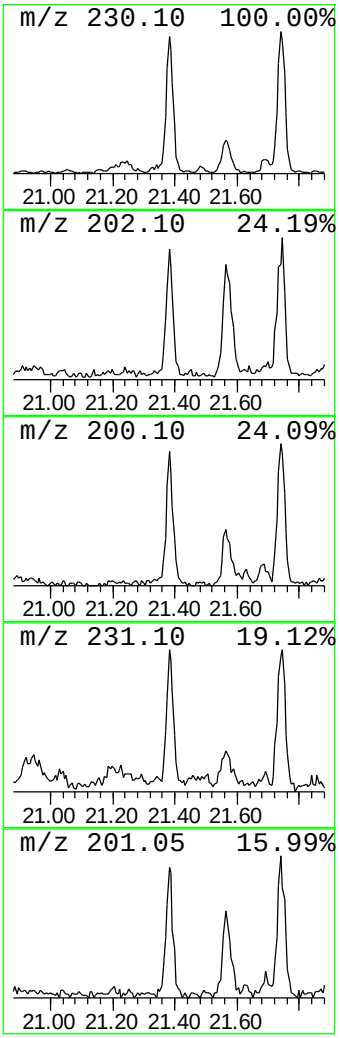
Peak Number 9 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	2.41 ng/ul	271070	Chrysene-d12	22.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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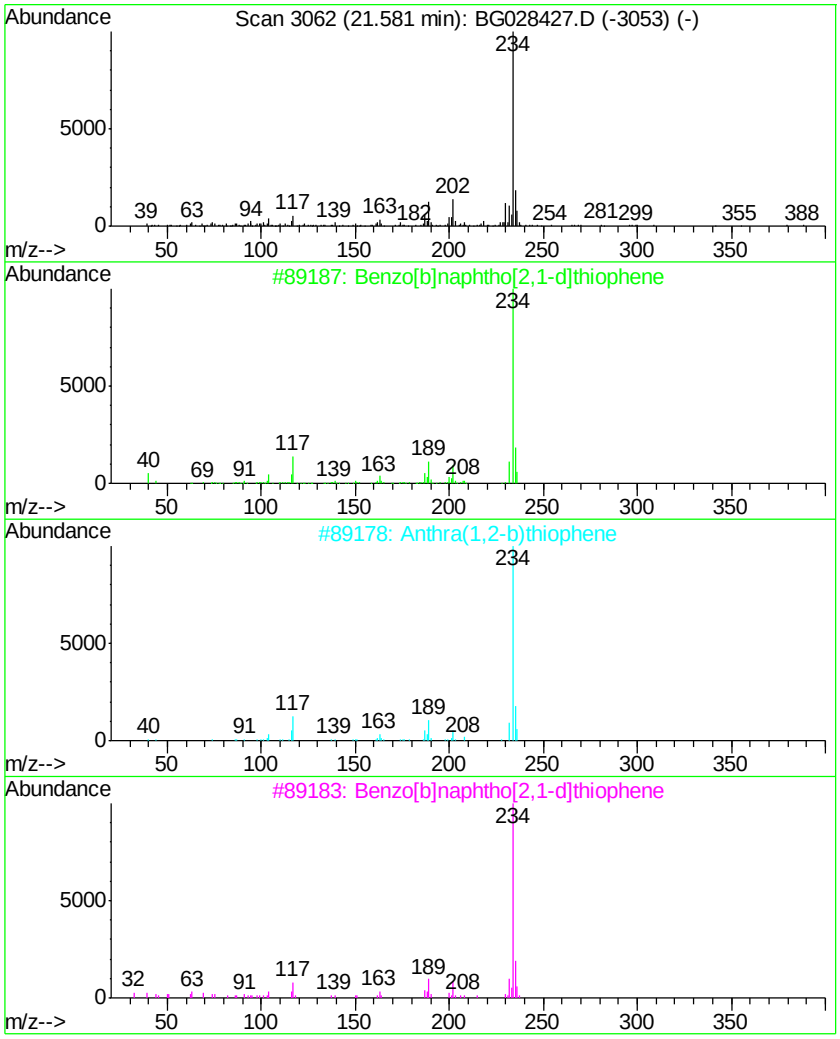
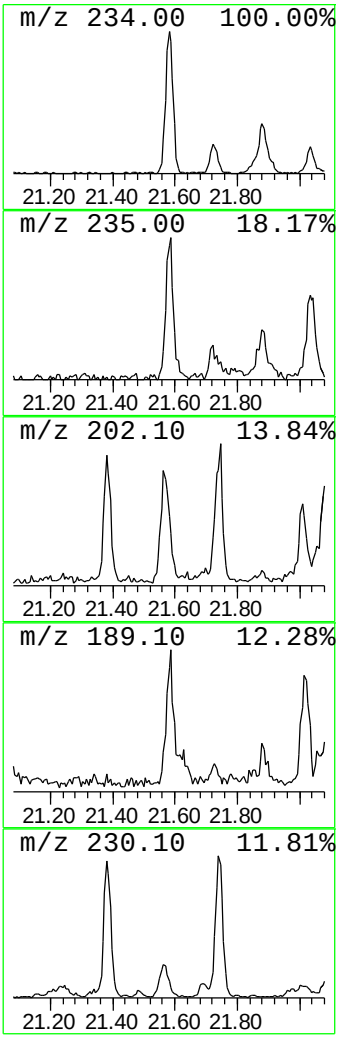
Peak Number 10 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	2.82 ng/ul	317518	Chrysene-d12	22.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87





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ALS Vial : 16 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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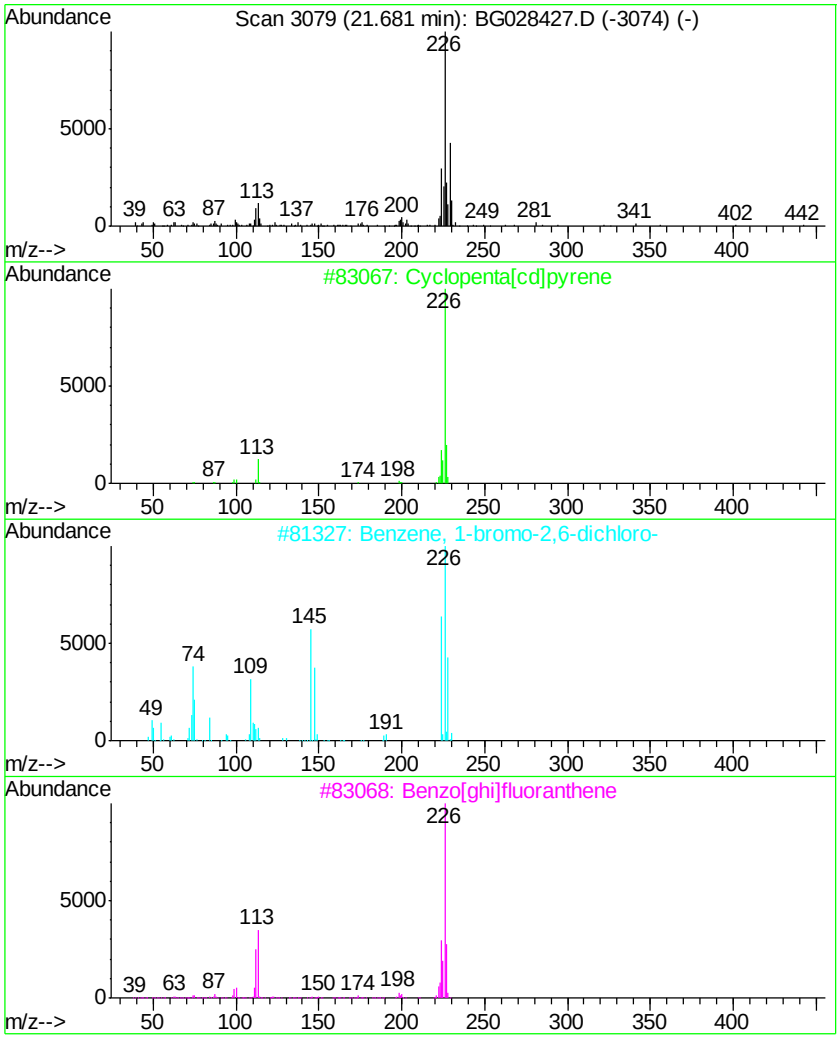
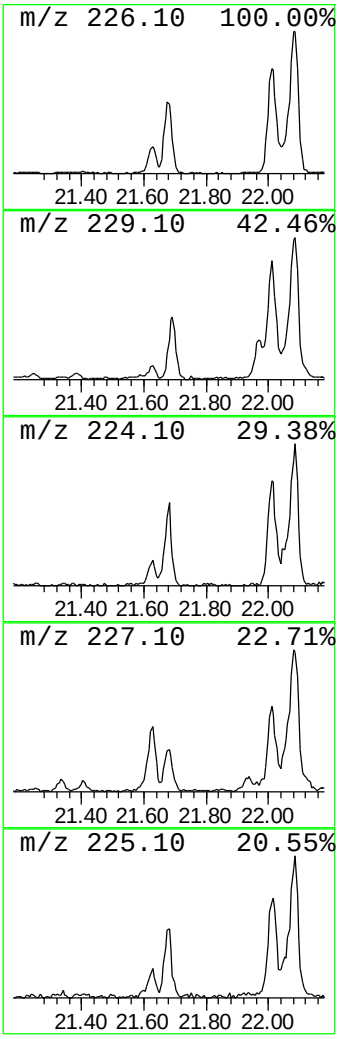
Peak Number 11 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.68	2.44 ng/ul	274520	Chrysene-d12	22.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
2	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	43
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
4	2-Imidazolidinone, 1-(4-chloroph...	226	C10H11ClN2O2	052420-34-5	38
5	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	37





Library Search Compound Report

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Sample : I4714-01DL 2X
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Instrument : BNA_G
ClientSampleId : E7GD3DL

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Quant Title : SVOA CALIBRATION

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

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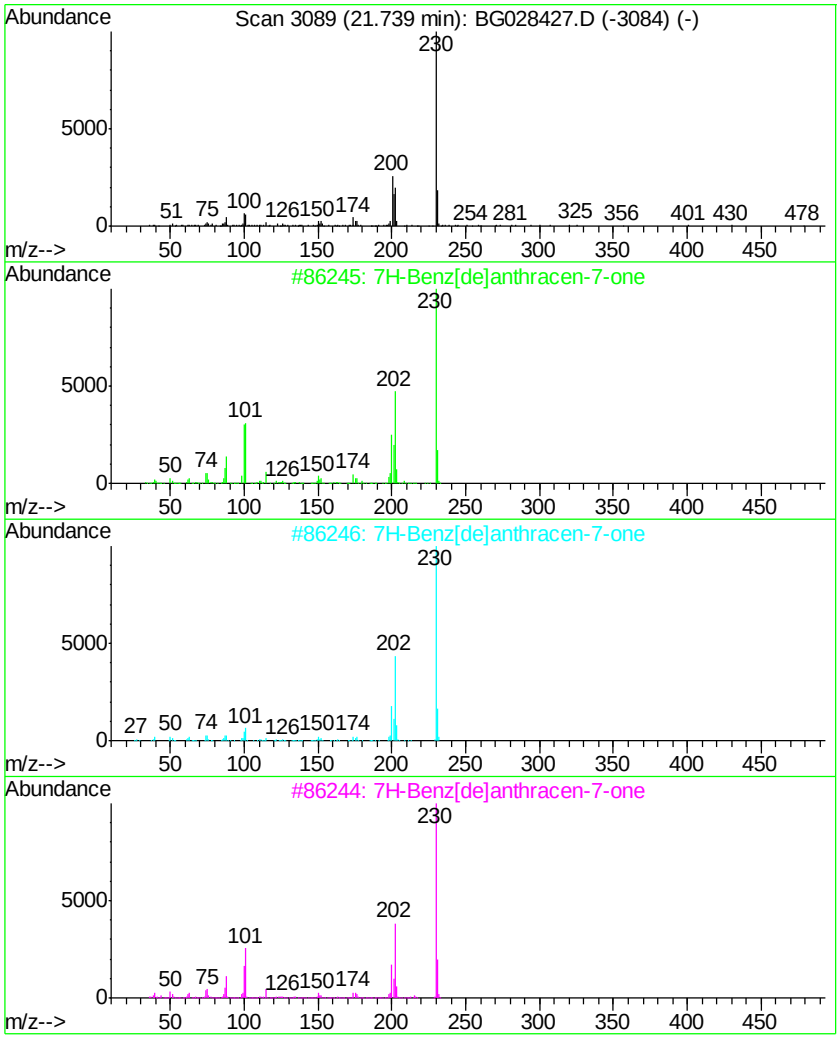
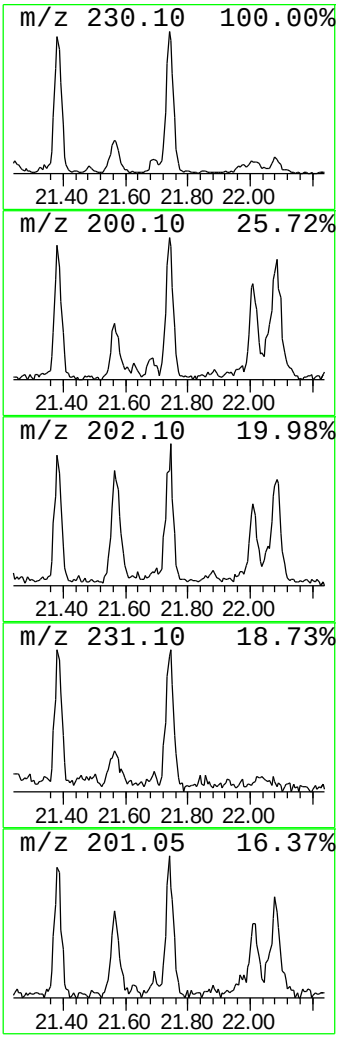
Peak Number 12 7H-Benz[de]anthracen-7-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.74	2.81 ng/ul	316329	Chrysene-d12	22.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53
4	4-Methoxy-2-(p-methoxyphenyl)-6-...	230	C13H14N2O2	063896-93-5	53
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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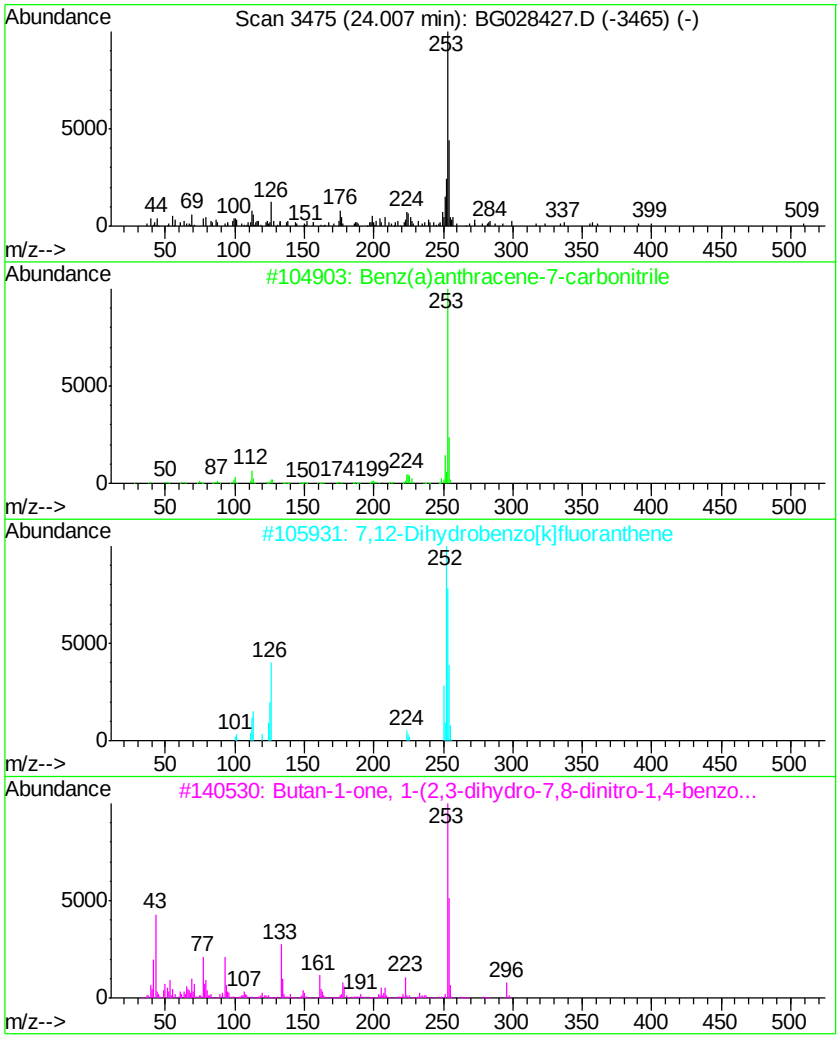
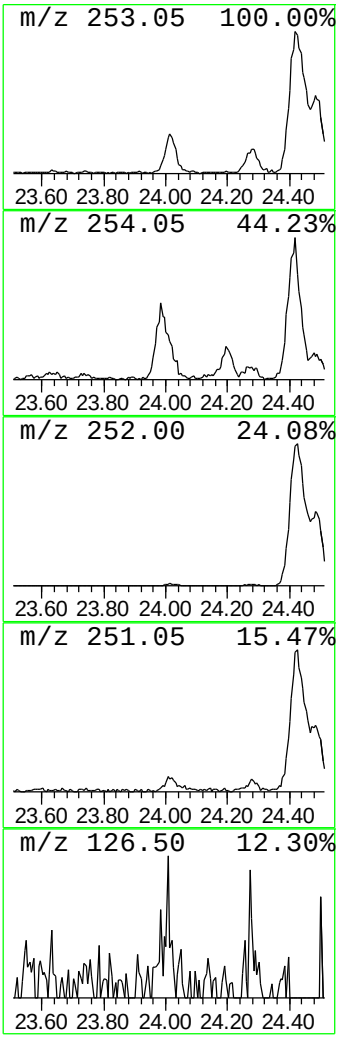
Peak Number 13 Benz(a)anthracene-7-carboni... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.01	3.29 ng/ul	169882	Perylene-d12	25.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	91
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	58
3	Butan-1-one, 1-(2,3-dihydro-7,8-...	296	C12H12N2O7	1000273-76-9	42
4	Acridin-1(2H)-one, 3,4-dihydro-3...	282	C18H22N2O	146352-02-5	38
5	Plumbane, trimethyl[(methylsulfi...	332	C4H12O2PbS	044657-41-2	37





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Quant Title : SVOA CALIBRATION

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

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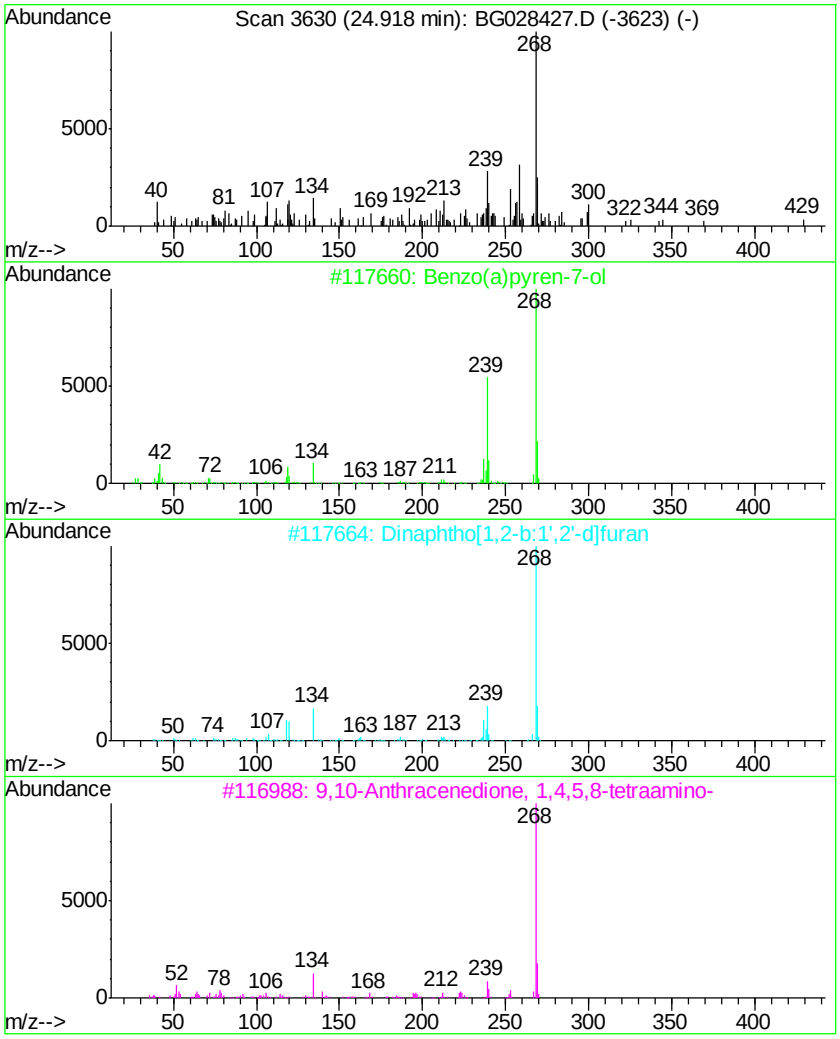
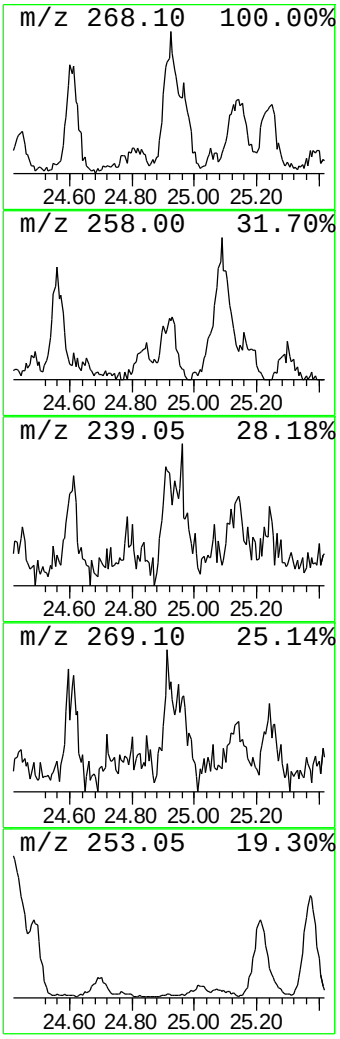
Peak Number 15 Benzo(a)pyren-7-ol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.92	2.65 ng/ul	136944	Perylene-d12	25.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	64
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
3	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	58
4	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	58
5	Estra-1,3,5(10)-trien-17-one, 3-...	400	C23H32O4Si	077883-10-4	53





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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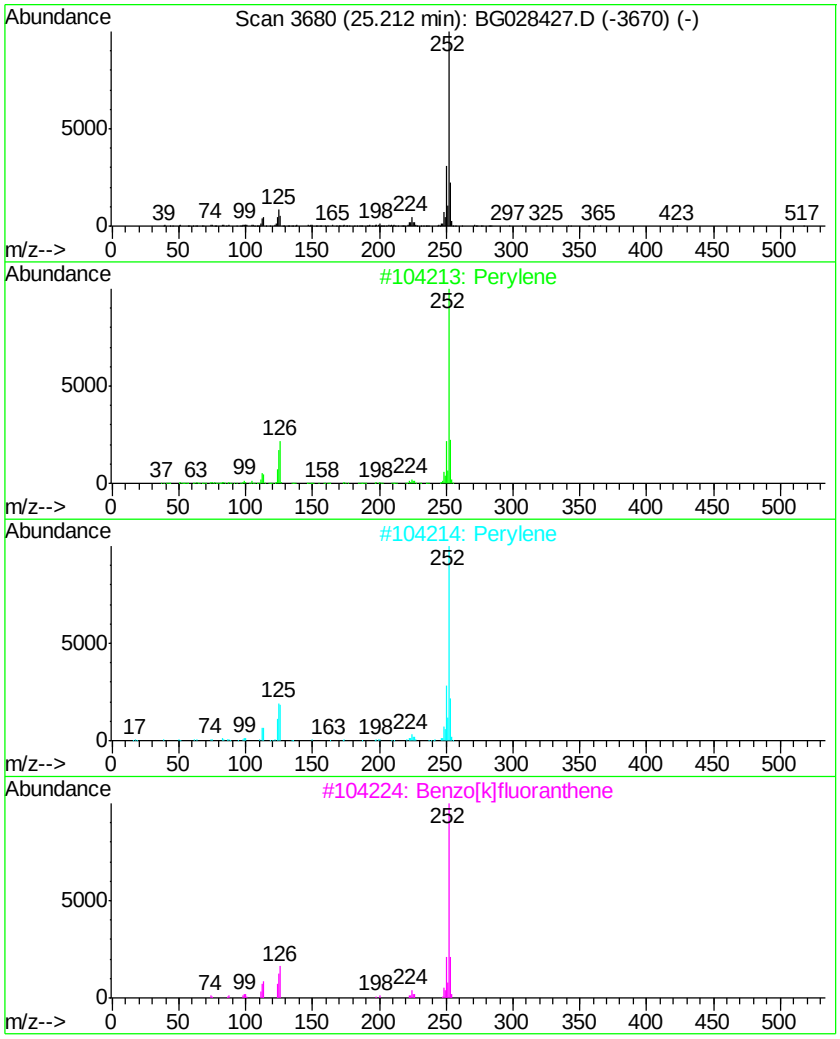
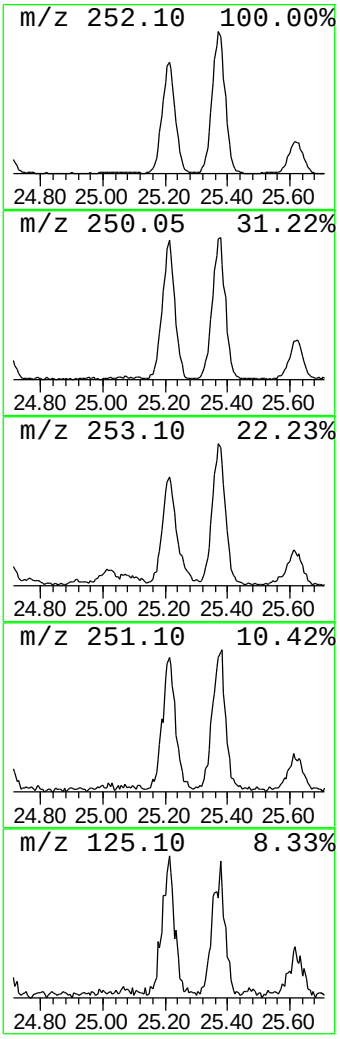
Peak Number 16 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.21	14.39 ng/ul	742883	Perylene-d12	25.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	93
2	Perylene	252	C20H12	000198-55-0	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





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Quant Title : SVOA CALIBRATION

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

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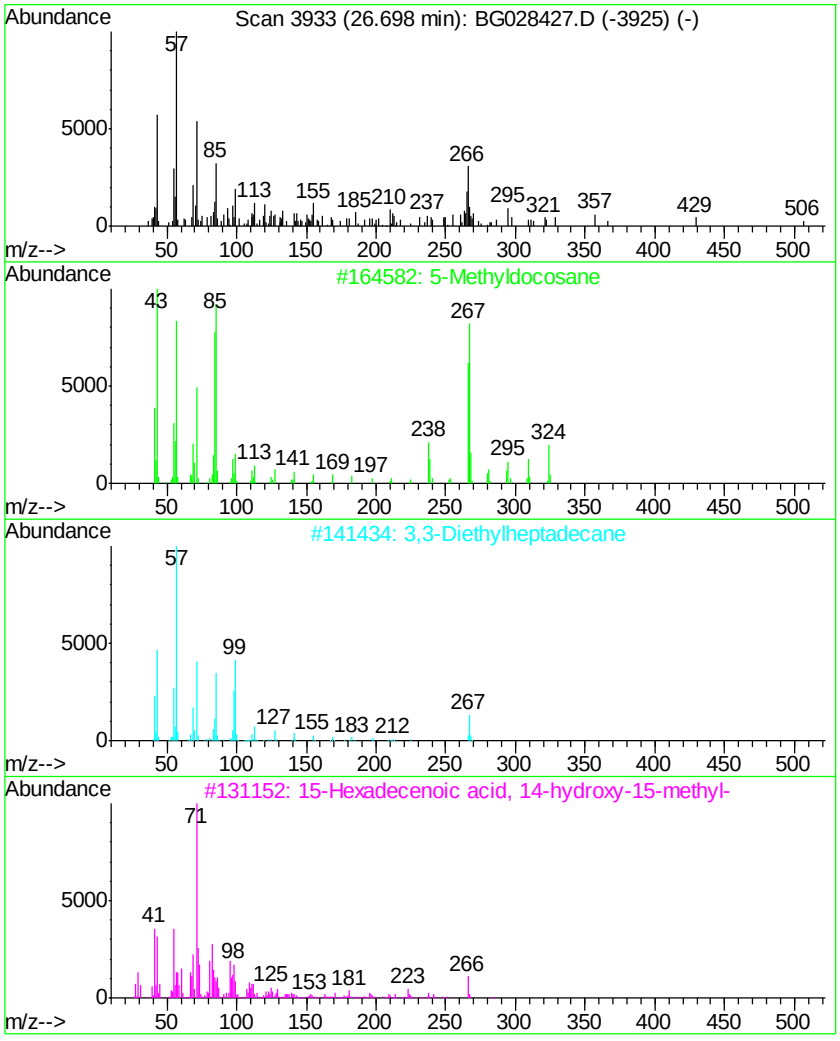
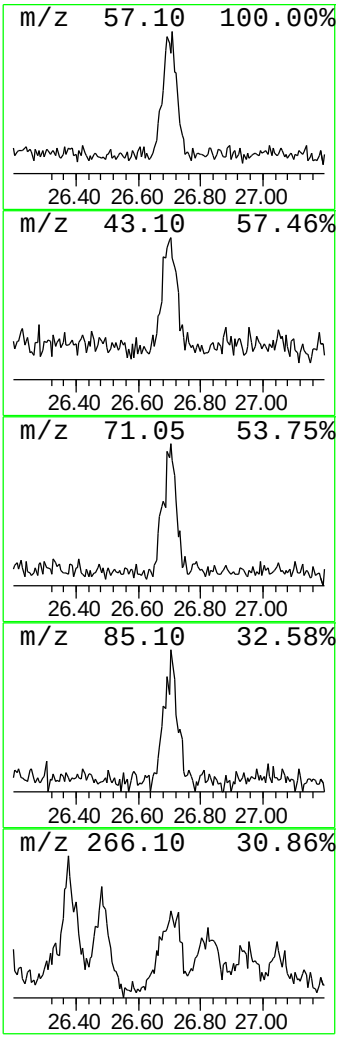
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.70	2.73 ng/ul	140967	Perylene-d12	25.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Methyldocosane	324	C23H48	025163-52-4	38
2	3,3-Diethylheptadecane	296	C21H44	1000360-41-6	32
3	15-Hexadecenoic acid, 14-hydroxy...	284	C17H32O3	089328-43-8	32
4	13,17,21-Trimethylheptatriacontane	563	C40H82	058668-40-9	23
5	6-Methyltricosane	338	C24H50	1000131-18-0	12





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3DL

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

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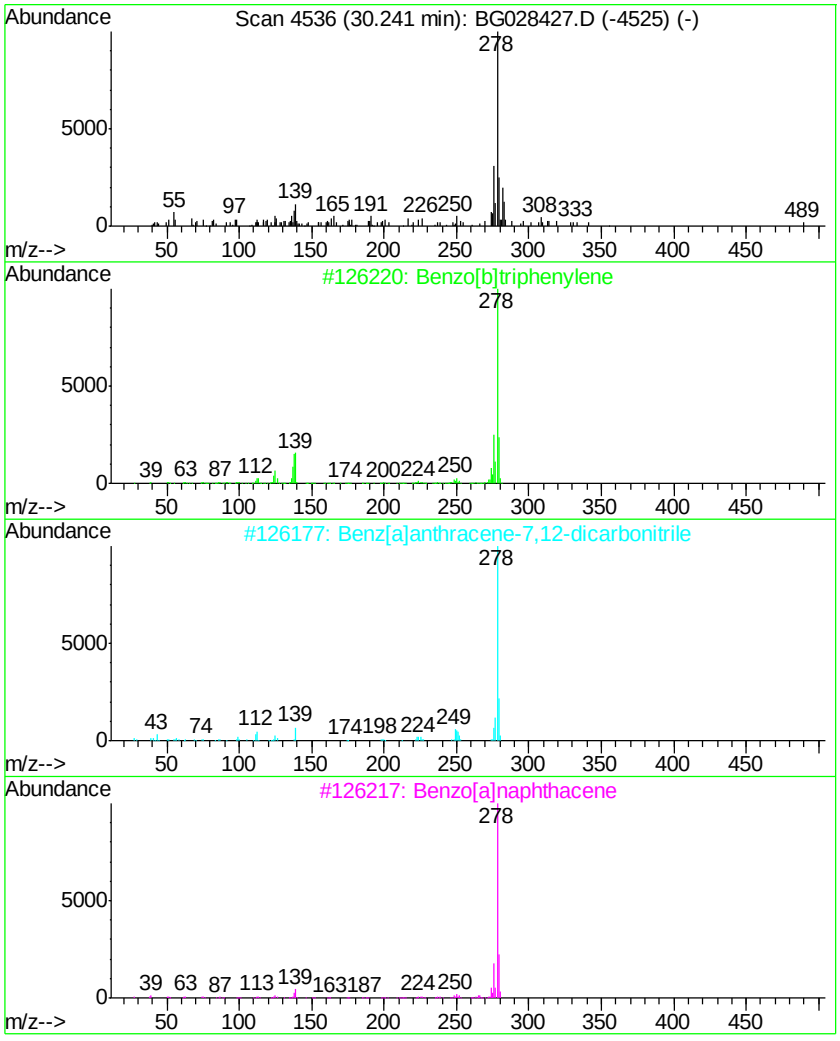
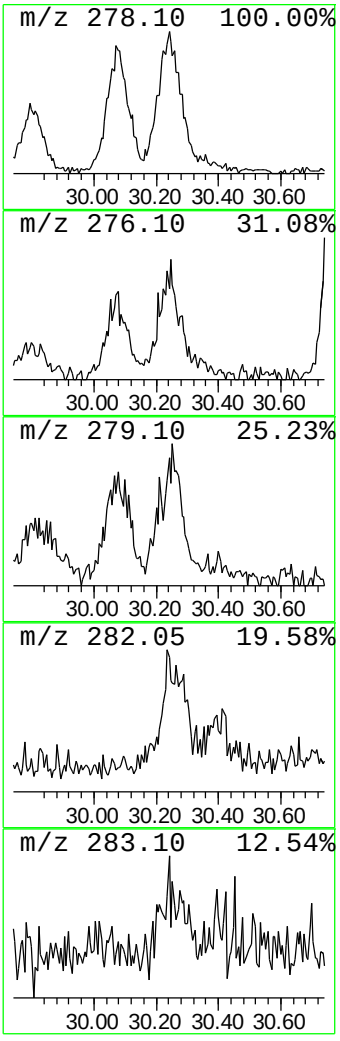
Peak Number 19 Benzo[b]triphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.24	2.46 ng/ul	126821	Perylene-d12	25.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	78
2	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	64
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	60
4	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	53
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028427.D
Acq On : 22 Aug 2017 21:18
Operator : SJ/JU
Sample : I4714-01DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E7GD3DL

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
3-Butyn-2-ol, 2-m...	4.76	3.1	ng/ul	38674	1	8.34	253168	20.0
1H-Cyclopropa[l]p...	18.57	2.7	ng/ul	114103	4	17.70	851579	20.0
Phenanthrene, 1-m...	18.62	2.9	ng/ul	123940	4	17.70	851579	20.0
4H-Cyclopenta[def...	18.77	4.9	ng/ul	208371	4	17.70	851579	20.0
5,16[1',2']:8,13[...	19.06	2.8	ng/ul	119397	4	17.70	851579	20.0
9,10-Anthracenedione	19.11	7.1	ng/ul	302956	4	17.70	851579	20.0
Cyclopenta(def)ph...	19.62	3.3	ng/ul	139566	4	17.70	851579	20.0
11H-Benzo[a]fluorene	20.59	3.1	ng/ul	355288	5	22.03	2253960	20.0
11H-Benzo[a]fluor...	21.38	2.4	ng/ul	271070	5	22.03	2253960	20.0
Benzo[b]naphtho[2...	21.58	2.8	ng/ul	317518	5	22.03	2253960	20.0
unknown-01	21.68	2.4	ng/ul	274520	5	22.03	2253960	20.0
7H-Benz[de]anthra...	21.74	2.8	ng/ul	316329	5	22.03	2253960	20.0
Benz(a)anthracene...	24.01	3.3	ng/ul	169882	6	25.53	1032200	20.0
Benzo(a)pyren-7-ol	24.92	2.6	ng/ul	136944	6	25.53	1032200	20.0
Perylene	25.21	14.4	ng/ul	742883	6	25.53	1032200	20.0
(DEL) Alkane: Str...	26.70	2.7	ng/ul	140967	6	25.53	1032200	20.0
Benzo[b]triphenylene	30.24	2.5	ng/ul	126821	6	25.53	1032200	20.0