LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027513.D
Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

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-BG061617.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	7.655	632	641	654	rVB	210692	422699	4.38%	0.505%
2	7.831	663	671	682	rBV	167440	286182	2.97%	0.342%
3	8.048	701	708	718	rBV	189625	346441	3.59%	0.414%
4	8.518	780	788	801	rVB	344865	630883	6.54%	0.753%
5	9.194	892	903	914	rBV	283335	508873	5.28%	0.608%
6	9.682	976	986	1000	rBV	206143	398621	4.13%	0.476%
7	10.404	1098	1109	1122	rVB	158501	305068	3.16%	0.364%
8	10.939	1190	1200	1213	rBV	259988	494883	5.13%	0.591%
9	11.339	1259	1268	1274	rBV	586299	1135372	11.77%	1.356%
10	11.386	1274	1276	1282	rVV	65712	101255	1.05%	0.121%
11	11.462	1282	1289	1304	rVB	235760	466231	4.83%	0.557%
12	14.488	1796	1804	1809	rVV	531275	836261	8.67%	0.998%
13	14.535	1809	1812	1818	rVB	166387	235236	2.44%	0.281%
14	14.799	1849	1857	1876	rBV	555169	1026422	10.64%	1.226%
15	15.105	1898	1909	1916	rBV2	940983	1612496	16.72%	1.925%
16	15.275	1927	1938	1950	rVB	47448	95116	0.99%	0.114%
17	16.092	2069	2077	2083	rVV	778557	1251772	12.98%	1.495%
18	16.192	2089	2094	2105	rVB2	57041	97205	1.01%	0.116%
19	16.779	2186	2194	2199	rBV4	62450	155217	1.61%	0.185%
20	17.855	2370	2377	2382	rBV2	1158863	1944649	20.16%	2.322%
21	17.896	2382	2384	2388	rVV	240233	305449	3.17%	0.365%
22	17.954	2388	2394	2408	rVB2	792114	1482992	15.38%	1.771%
23	18.254	2436	2445	2451	rBV3	79379	195708	2.03%	0.234%
24	18.695	2514	2520	2529	rBV3	106774	287222	2.98%	0.343%
25	18.771	2529	2533	2538	rVB2	58912	92999	0.96%	0.111%
26	18.918	2551	2558	2567	rBV2	61639	181775	1.88%	0.217%
27	19.206	2602	2607	2611	rBV2	50120	76702	0.80%	0.092%
28	19.253	2611	2615	2622	rVB	107794	155856	1.62%	0.186%
29	19.617	2670	2677	2684	rBV3	85888	222821	2.31%	0.266%
30	19.770	2697	2703	2711	rBV	242760	420145	4.36%	0.502%
31	19.893	2712	2724	2729	rVV	2036427	3192819	33.11%	3.812%
32	19.946	2729	2733	2736	rVV3	78105	141927	1.47%	0.169%
33	19.981	2736	2739	2744	rVB3	83552	131022	1.36%	0.156%
34	20.093	2751	2758	2764	rBV2	343119	553854	5.74%	0.661%

LSC Area Percent Report

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Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

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-BG061617.M
Title : SVOA CALIBRATION

35	20.258	2774	2786	2791	rBV2	2520601	5833695	60.49%	6.965%
36	20.310	2792	2795	2802	rVB	144254	220810	2.29%	0.264%
37	20.422	2806	2814	2819	rBV	156027	284881	2.95%	0.340%
38	20.493	2819	2826	2831	rVB2	243848	457518	4.74%	0.546%
39	20.569	2831	2839	2846	rBV3	305630	766454	7.95%	0.915%
40	20.634	2846	2850	2855	rVB5	41710	72844	0.76%	0.087%
41	20.710	2855	2863	2872	rBV5	338516	978700	10.15%	1.169%
42	20.792	2872	2877	2880	rBV2	79668	141219	1.46%	0.169%
43	20.898	2886	2895	2900	rBV2	371794	869108	9.01%	1.038%
44	20.974	2905	2908	2913	rVB	88541	136166	1.41%	0.163%
45	21.051	2914	2921	2925	rBV	327584	595230	6.17%	0.711%
46	21.104	2926	2930	2936	rVB3	161751	282265	2.93%	0.337%
47	21.157	2936	2939	2942	rBV	180340	190784	1.98%	0.228%
48	21.321	2962	2967	2970	rBV5	90864	165044	1.71%	0.197%
49	21.362	2971	2974	2981	rVB6	88752	209171	2.17%	0.250%
50	21.450	2985	2989	2995	rVB5	61788	117847	1.22%	0.141%
51	21.562	3002	3008	3015	rBV	571149	1039391	10.78%	1.241%
52	21.668	3022	3026	3033	rVB3	101198	194015	2.01%	0.232%
53	21.768	3033	3043	3047	rVV2	368282	1083461	11.23%	1.294%
54	21.815	3047	3051	3055	rVV2	360081	689686	7.15%	0.823%
55	21.867	3055	3060	3066	rVV2	473884	997725	10.35%	1.191%
56	21.932	3066	3071	3083	rVB2	350839	825817	8.56%	0.986%
57	22.061	3084	3093	3103	rBV6	126201	499925	5.18%	0.597%
58	22.232	3107	3122	3128	rBV2	1693427	6085836	63.10%	7.266%
59	22.291	3128	3132	3145	rVB	1311407	2933358	30.41%	3.502%
60	22.390	3146	3149	3156	rVB8	97321	192730	2.00%	0.230%
61	22.467	3156	3162	3169	rBV6	146036	351028	3.64%	0.419%
62	22.561	3169	3178	3179	rBV6	111452	266918	2.77%	0.319%
63	22.684	3193	3199	3206	rBV3	210832	502757	5.21%	0.600%
64	22.755	3207	3211	3225	rVB5	168132	535345	5.55%	0.639%
65	22.890	3226	3234	3240	rBV6	51359	160950	1.67%	0.192%
66	22.960	3241	3246	3250	rBV4	77957	151458	1.57%	0.181%
67	23.054	3251	3262	3269	rVB	308598	866728	8.99%	1.035%
68	23.137	3270	3276	3285	rVB2	244987	614796	6.37%	0.734%
69	23.236	3286	3293	3305	rVB3	109365	320306	3.32%	0.382%
70	23.360	3307	3314	3334	rVV7	175734	657045	6.81%	0.784%
71	23.518	3334	3341	3348	rVB3	126592	296291	3.07%	0.354%

LSC Area Percent Report

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Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

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-BG061617.M
Title : SVOA CALIBRATION

72	23.812	3385	3391	3395	rBV	109243	252146	2.61%	0.301%
73	23.859	3396	3399	3416	rVB8	143295	467134	4.84%	0.558%
74	24.012	3420	3425	3429	rBV2	35090	69227	0.72%	0.083%
75	24.094	3432	3439	3448	rVB5	124254	414849	4.30%	0.495%
76	24.288	3462	3472	3492	rVB6	226174	954981	9.90%	1.140%
77	24.500	3499	3508	3518	rVB2	105408	342855	3.55%	0.409%
78	24.588	3518	3523	3533	rVB	53648	128383	1.33%	0.153%
79	24.746	3536	3550	3570	rBV2	1966727	9644471	100.00%	11.515%
80	25.028	3589	3598	3616	rVB2	240862	776467	8.05%	0.927%
81	25.258	3628	3637	3651	rBV3	144724	738987	7.66%	0.882%
82	25.569	3679	3690	3698	rBV	774943	2599686	26.96%	3.104%
83	25.657	3699	3705	3711	rVV2	414331	1147813	11.90%	1.370%
84	25.734	3711	3718	3732	rVB	918394	2881521	29.88%	3.440%
85	25.910	3732	3748	3756	rBV3	627969	2714483	28.15%	3.241%
86	25.998	3757	3763	3777	rVB3	305432	1122355	11.64%	1.340%
87	26.356	3816	3824	3836	rVB9	39292	161128	1.67%	0.192%
88	26.791	3890	3898	3908	rVB3	59951	219093	2.27%	0.262%
89	26.903	3909	3917	3929	rVB7	52986	202505	2.10%	0.242%
90	27.155	3951	3960	3970	rVB2	167547	523034	5.42%	0.624%
91	27.490	4009	4017	4040	rVB2	55763	317921	3.30%	0.380%
92	27.796	4064	4069	4080	rBV9	26440	89850	0.93%	0.107%
93	28.712	4215	4225	4237	rBV3	161264	666214	6.91%	0.795%
94	28.971	4261	4269	4274	rBV5	27837	104628	1.08%	0.125%
95	29.641	4355	4383	4403	rVB7	116976	907846	9.41%	1.084%
96	30.128	4448	4466	4490	rVB3	416041	2507176	26.00%	2.993%
97	30.369	4492	4507	4529	rVB6	189436	986620	10.23%	1.178%
98	30.616	4533	4549	4571	rBV6	143481	1022911	10.61%	1.221%
99	30.839	4574	4587	4588	rBV5	65962	189469	1.96%	0.226%
100	31.439	4673	4689	4717	rVB4	202873	1220854	12.66%	1.458%

Sum of corrected areas: 83754082

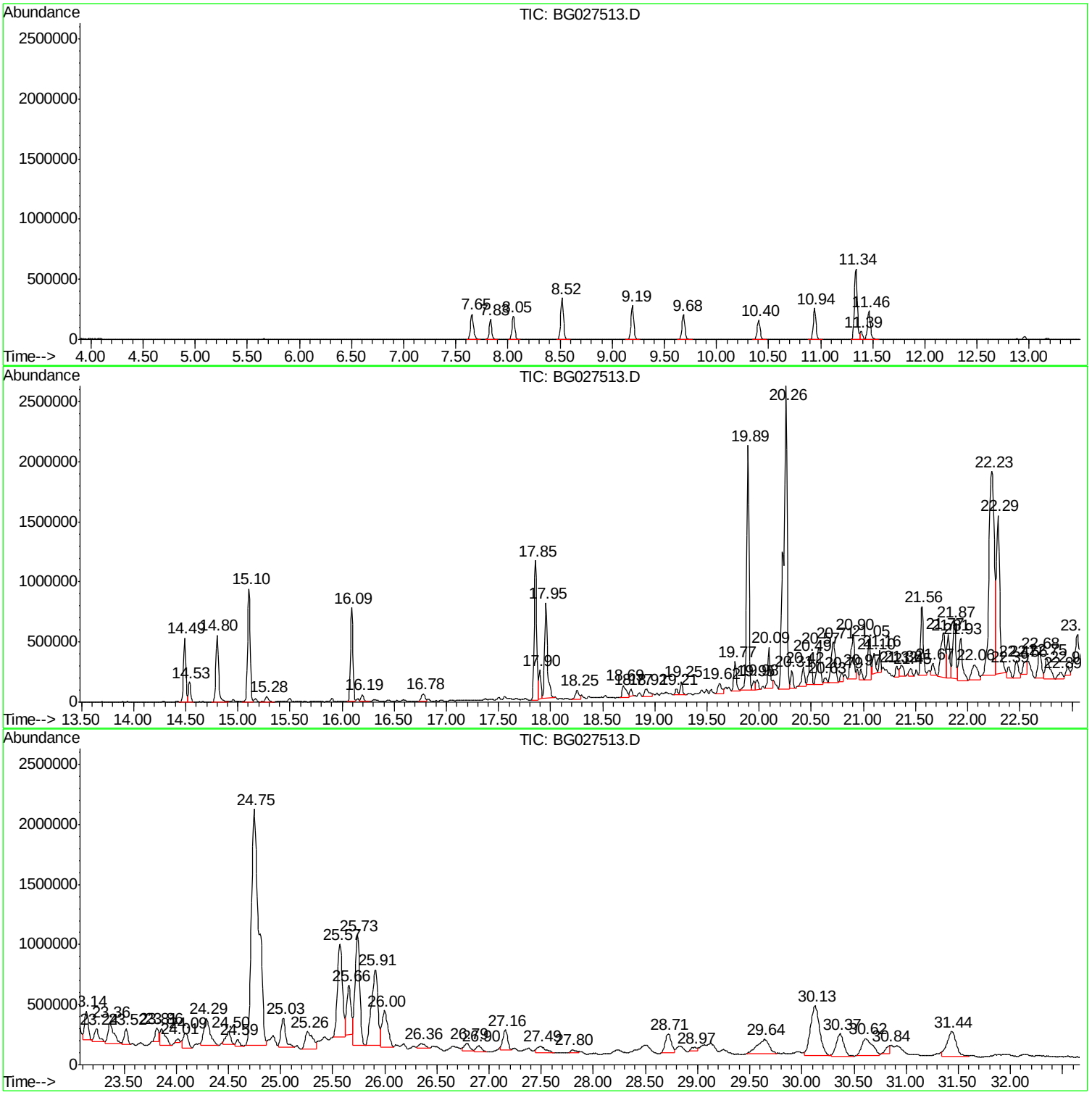
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027513.D
Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.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\BG061617\
Data File : BG027513.D
Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

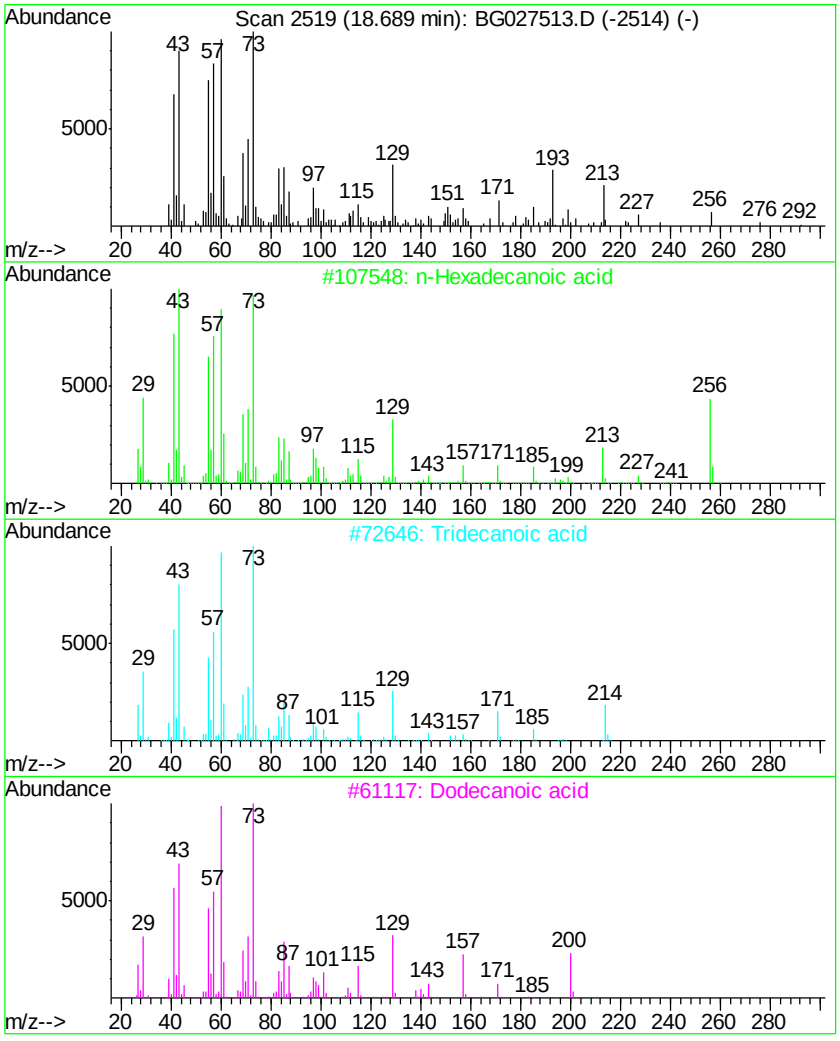
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

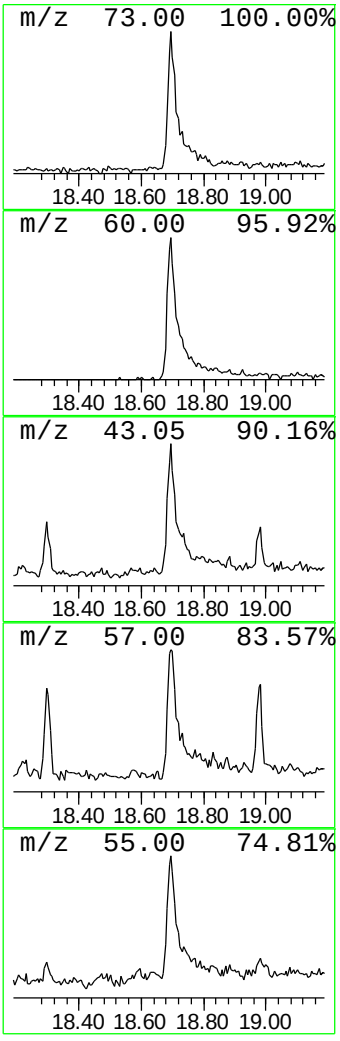
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	2.95 ng/ul	287222	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
2	Tridecanoic acid	214	C13H26O2	000638-53-9	60
3	Dodecanoic acid	200	C12H24O2	000143-07-7	60
4	Tridecanoic acid	214	C13H26O2	000638-53-9	60
5	Tridecanoic acid	214	C13H26O2	000638-53-9	58





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027513.D
Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

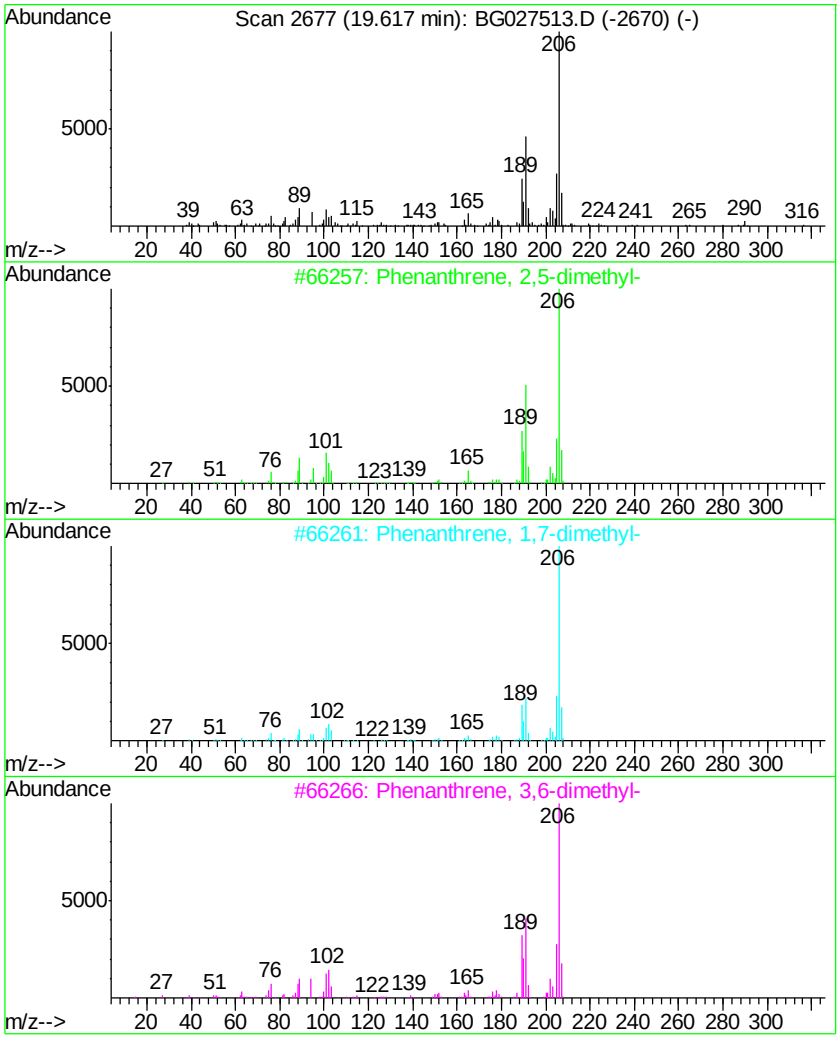
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

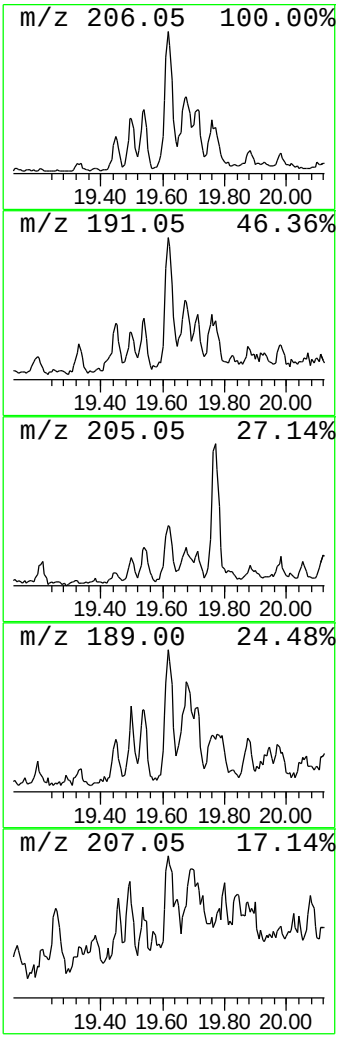
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	2.29 ng/ul	222821	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
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Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

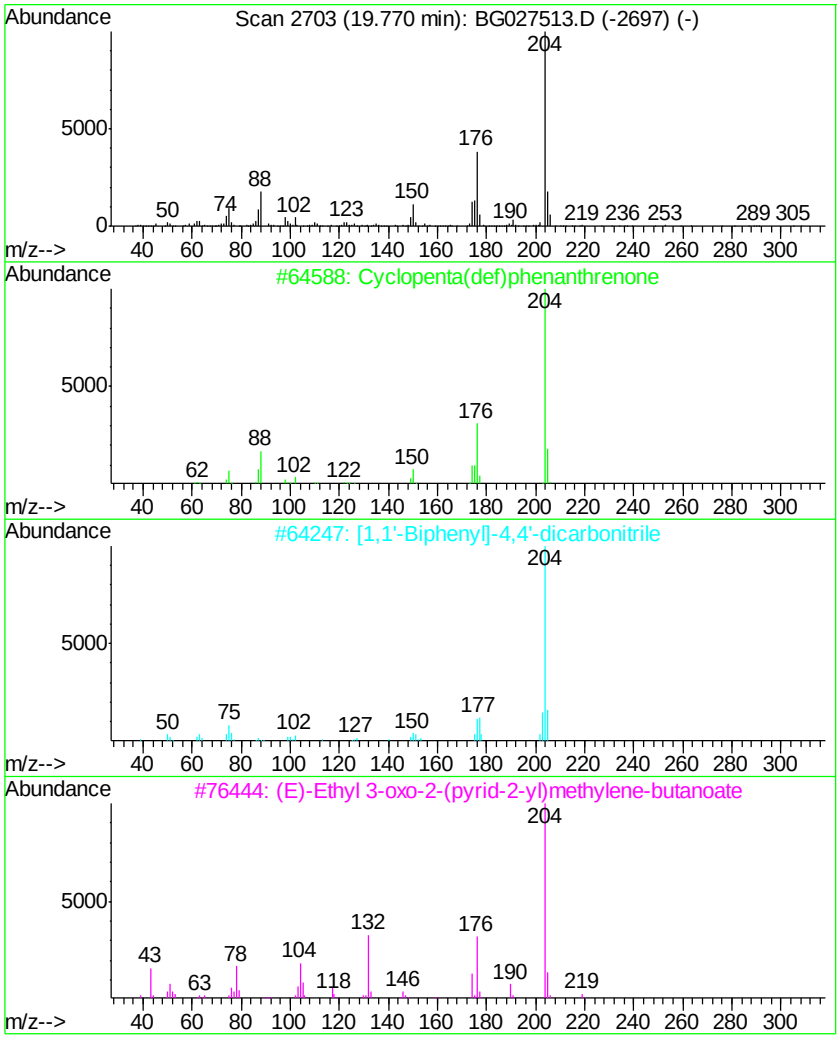
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

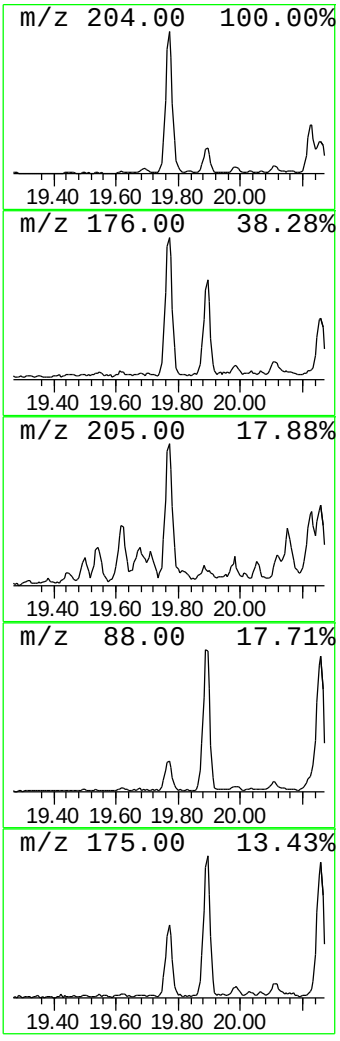
****

Peak Number 3 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	4.32 ng/ul	420145	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	45





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027513.D
Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

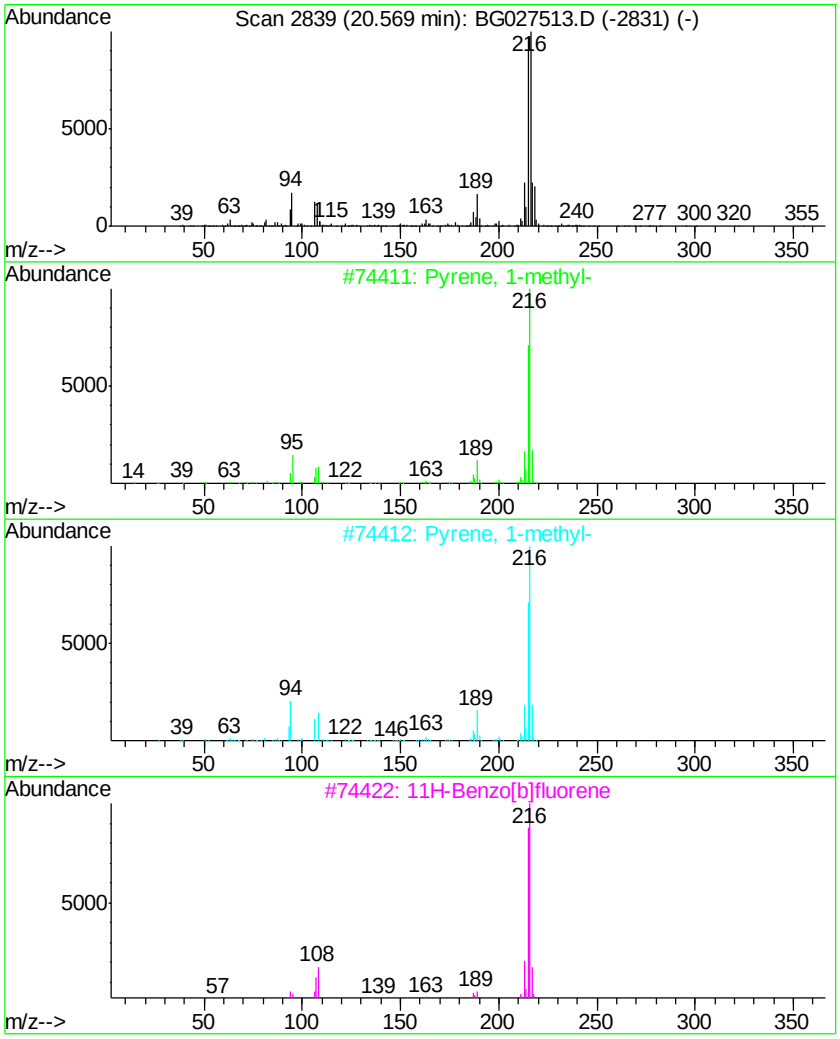
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

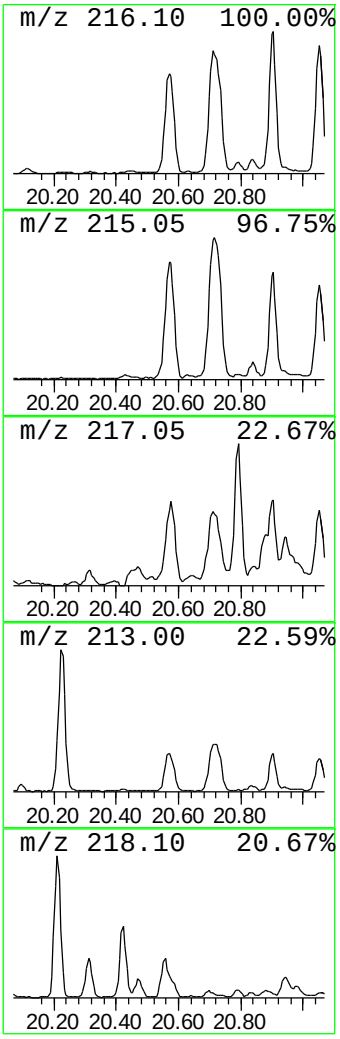
****

Peak Number 4 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	2.52 ng/ul	766454	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027513.D
Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

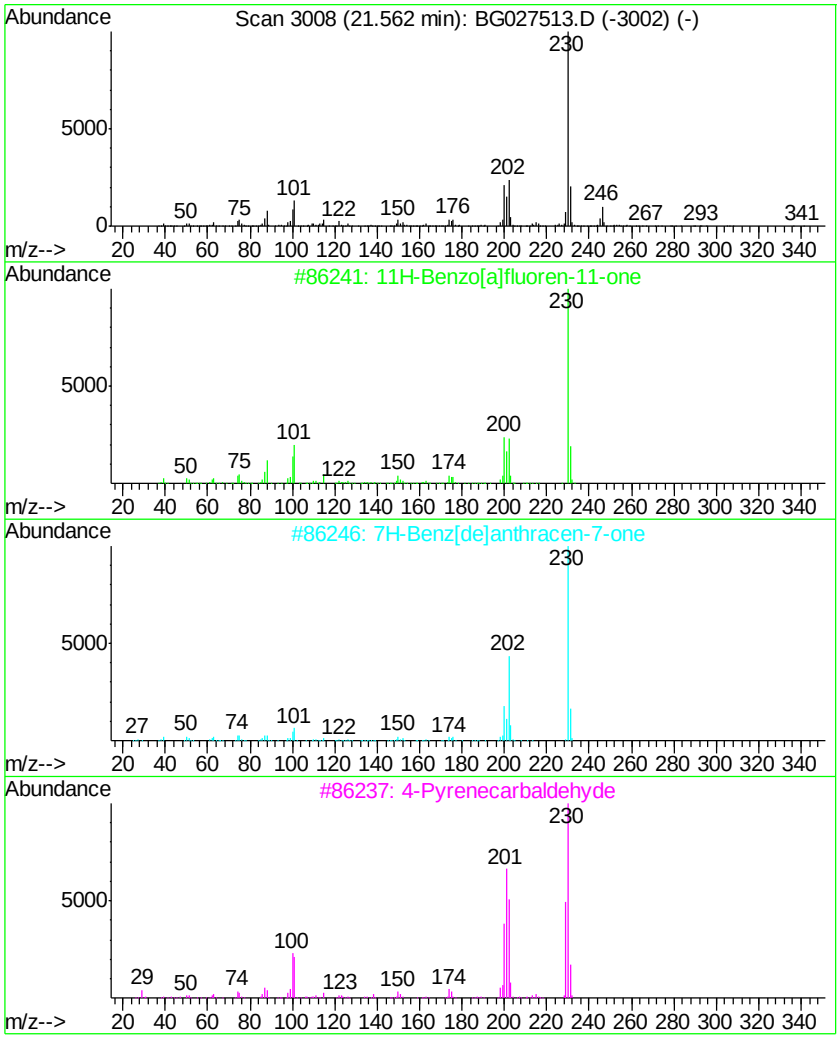
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

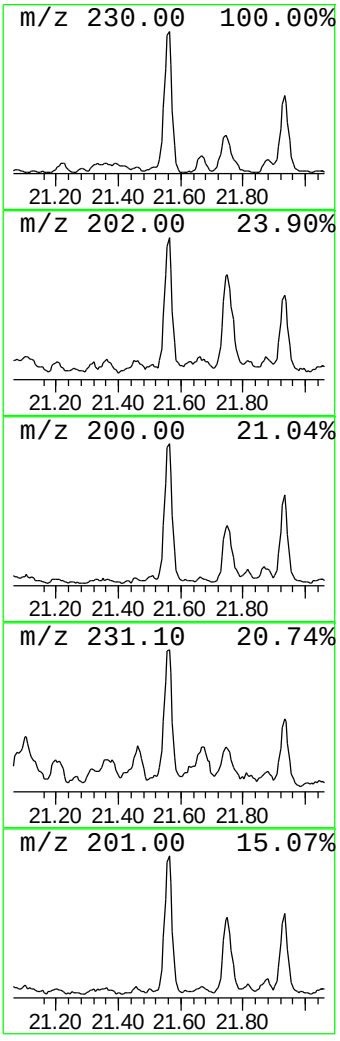
****

Peak Number 7 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	3.42 ng/ul	1039390	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	98
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	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	81





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Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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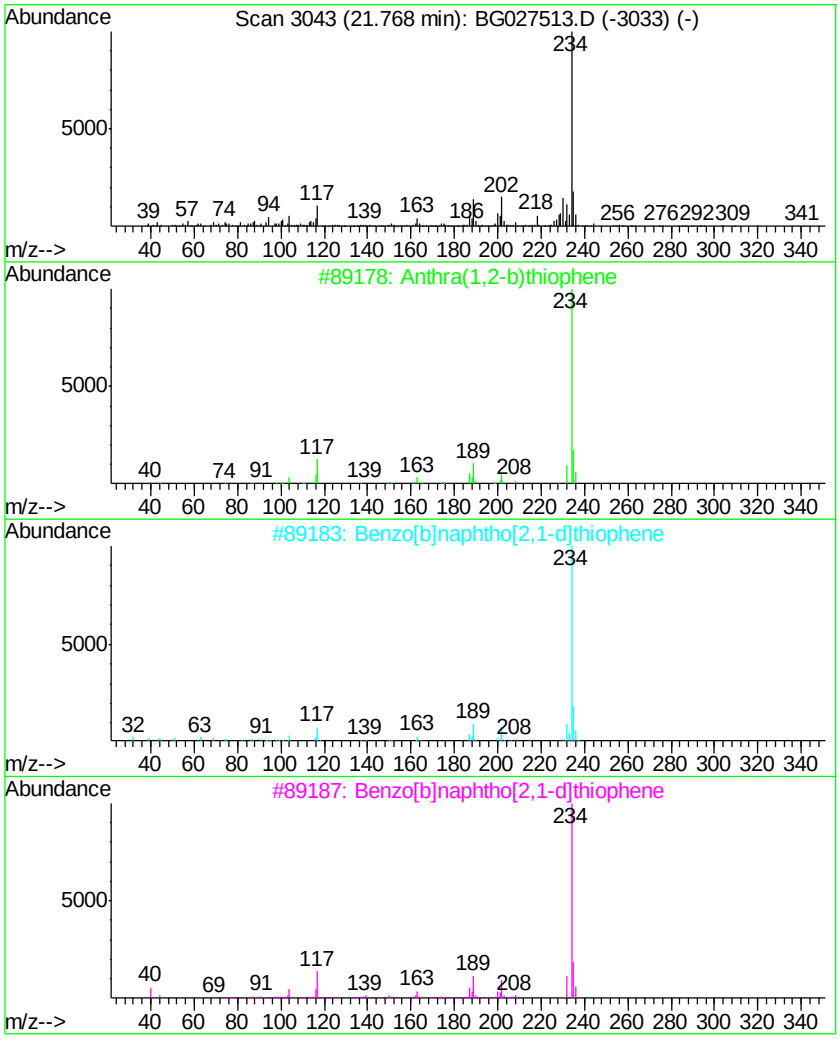
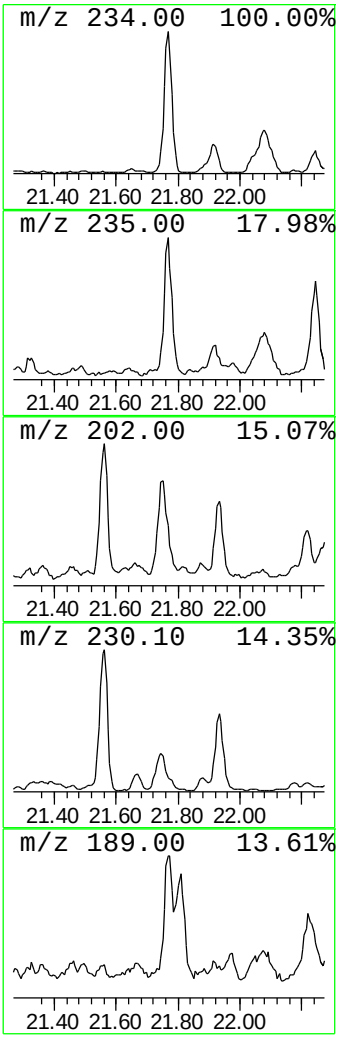
Peak Number 8 Anthra(1,2-b)thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	3.56 ng/ul	1083460	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	97
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87





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ClientSampleId : F5D37

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Quant Title : SVOA CALIBRATION

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

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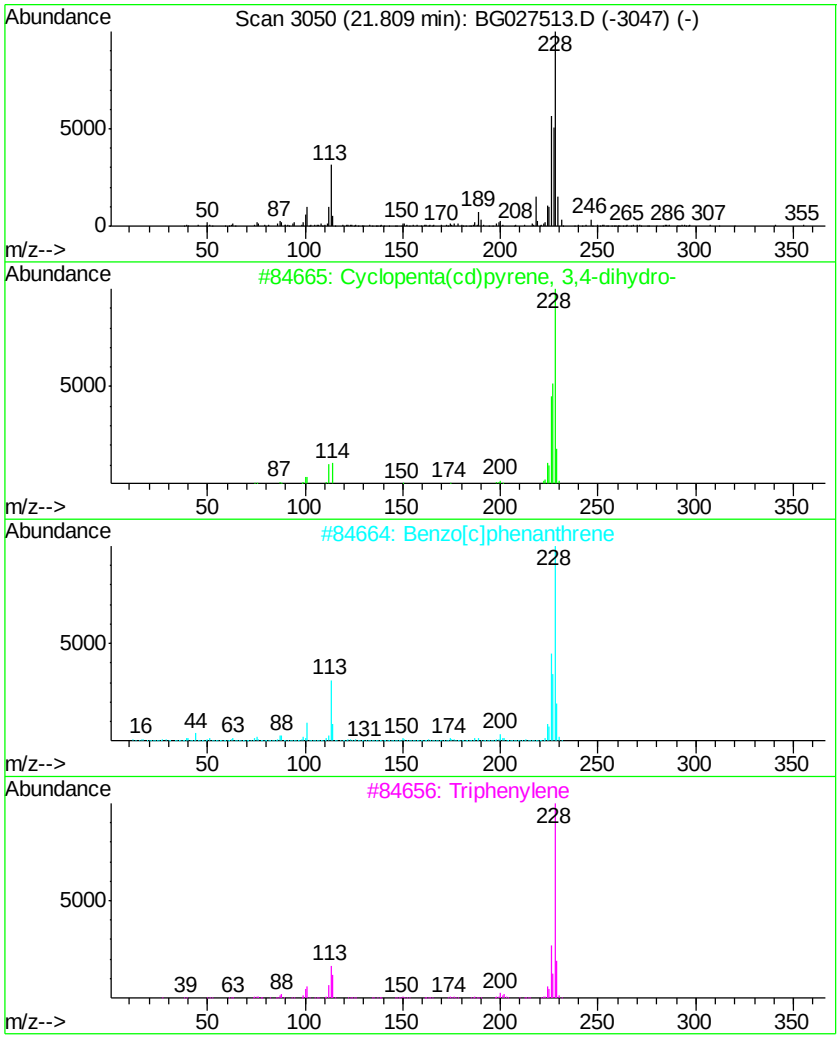
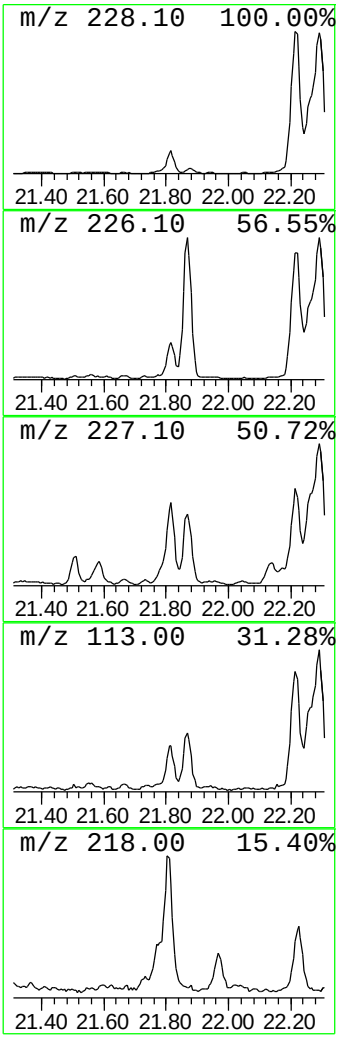
Peak Number 9 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.81	2.27 ng/ul	689686	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	91
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
3	Triphenylene	228	C18H12	000217-59-4	49
4	Triphenylene	228	C18H12	000217-59-4	46
5	Benz[a]anthracene	228	C18H12	000056-55-3	45





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Sample : I3599-03
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ALS Vial : 45 Sample Multiplier: 1

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ClientSampleId : F5D37

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Quant Title : SVOA CALIBRATION

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

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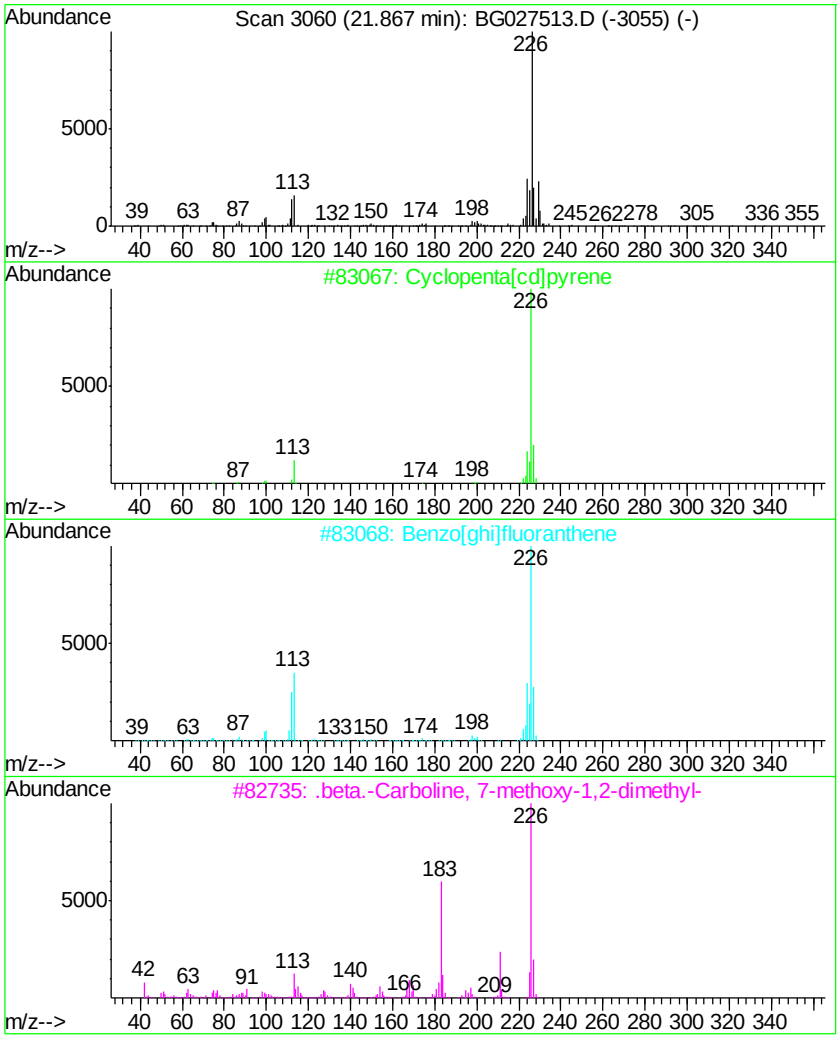
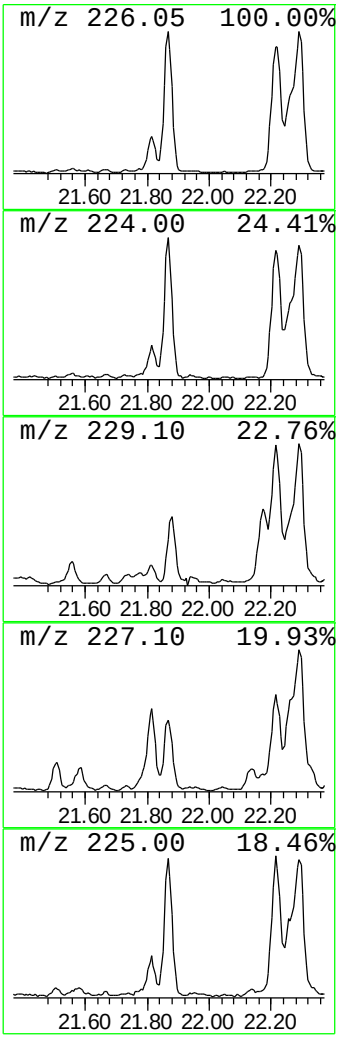
Peak Number 10 Cyclopenta[cd]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	3.28 ng/ul	997725	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	62
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	37
5	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	28





Library Search Compound Report

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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 Benz[a]anthracene, 7-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.05	2.85 ng/ul	866728	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	90
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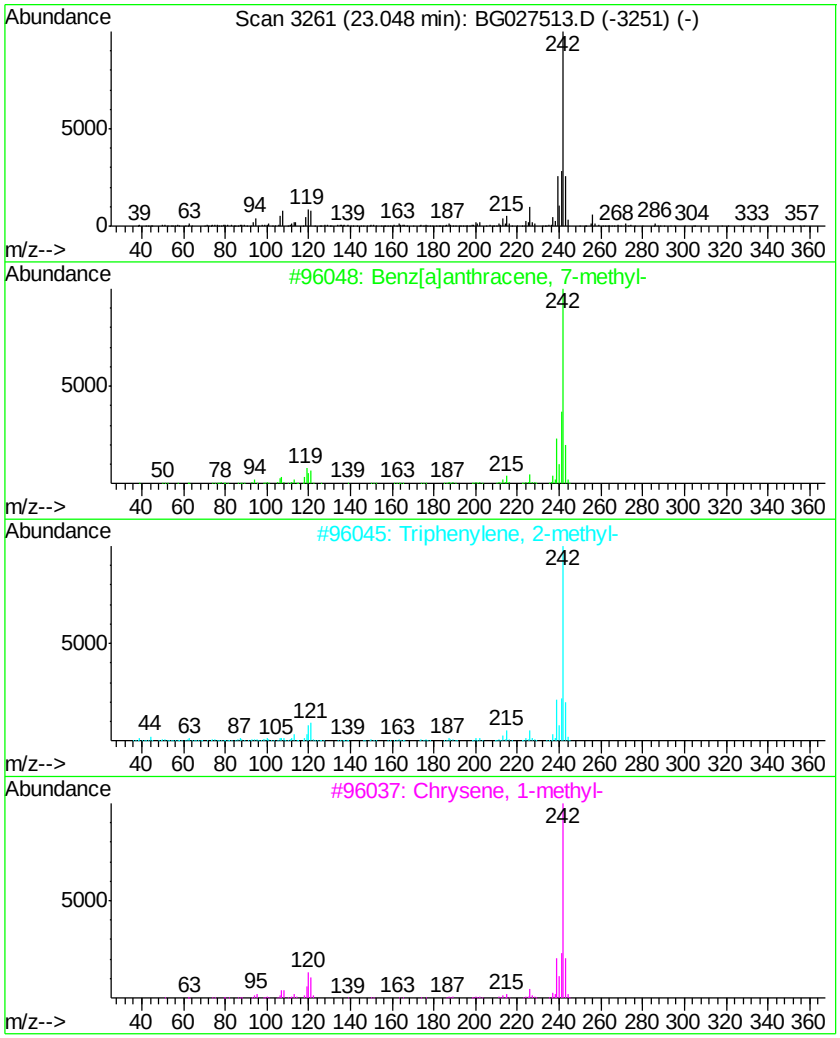

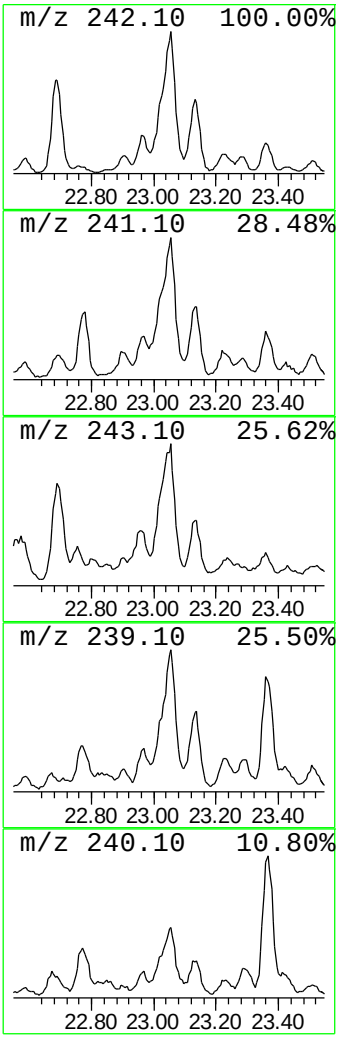

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Quant Title : SVOA CALIBRATION

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

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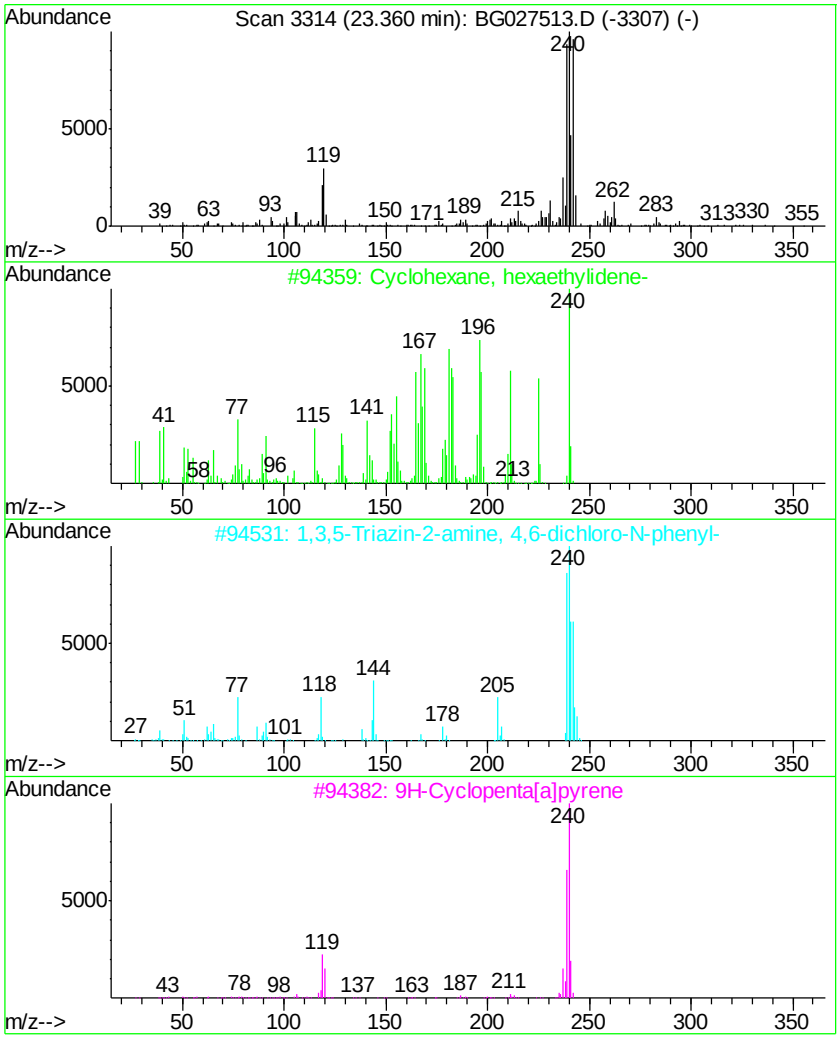
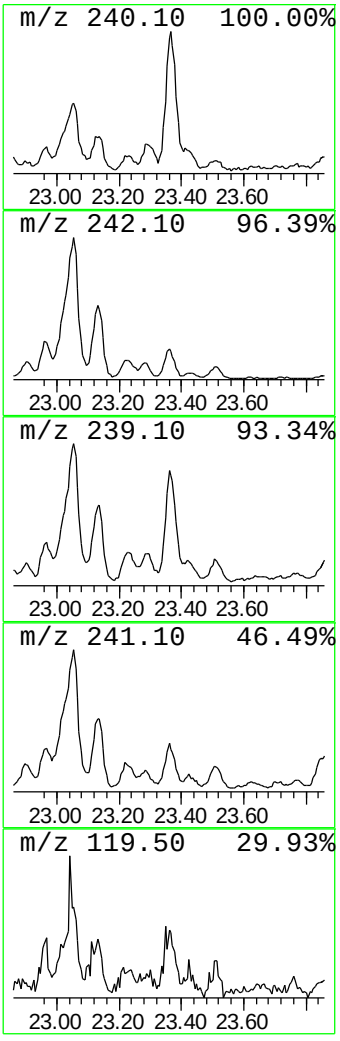
Peak Number 14 Cyclohexane, hexaethylidene- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.36	2.16 ng/ul	657045	Chrysene-d12	22.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, hexaethylidene-	240	C18H24	001482-93-5	56
2	1,3,5-Triazin-2-amine, 4,6-dichl...	240	C9H6Cl2N4	002272-40-4	53
3	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	38
4	Triphenylene, 1-methyl-	242	C19H14	002871-91-2	30
5	Benzo[c]phenanthrene, 1-methyl-	242	C19H14	004076-39-5	25





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Sample : I3599-03
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Quant Title : SVOA CALIBRATION

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

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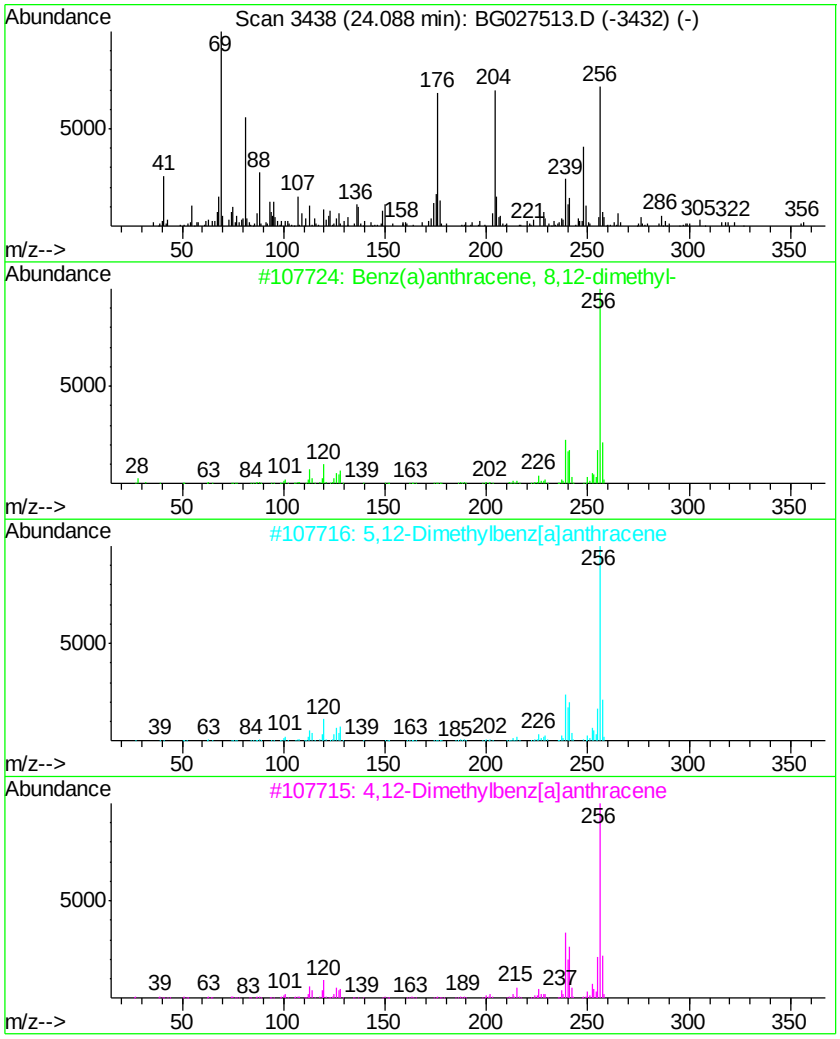
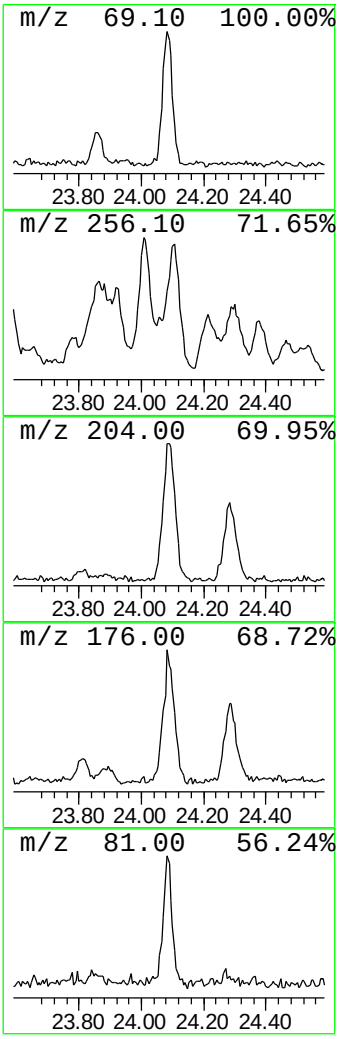
Peak Number 15 Benz(a)anthracene, 8,12-dim... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.09	3.06 ng/ul	414849	Perylene-d12	25.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	52
2	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	52
3	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	51
4	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	51
5	4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	38





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Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

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Quant Title : SVOA CALIBRATION

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

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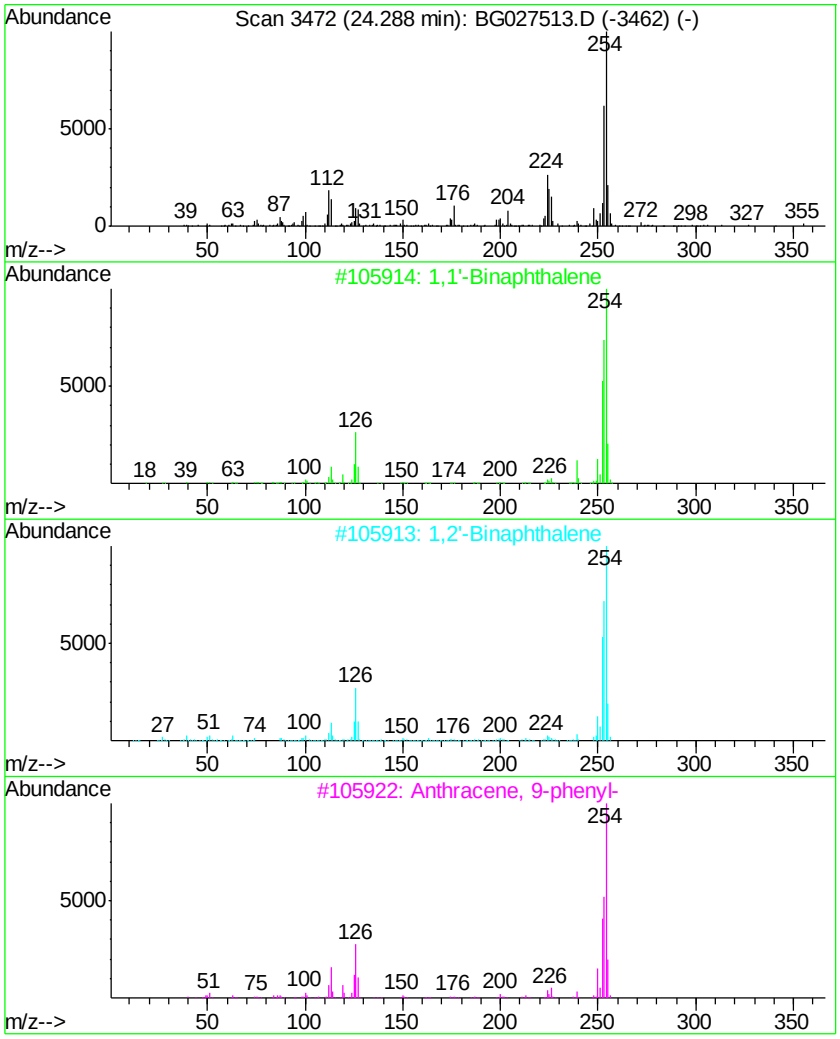
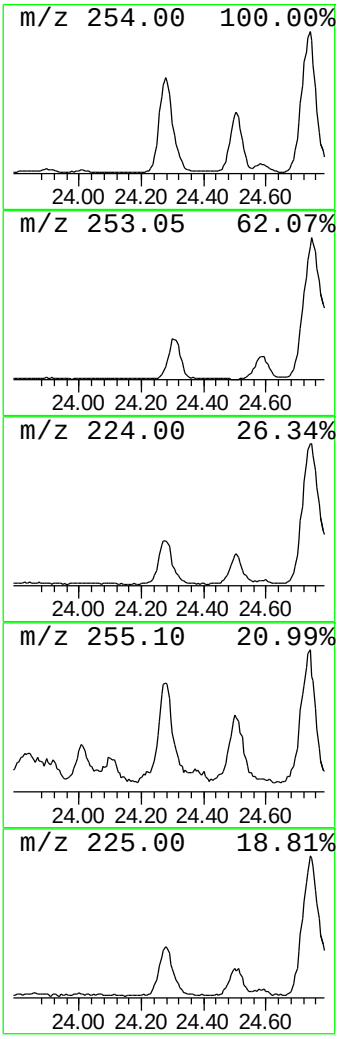
Peak Number 16 1,1'-Binaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.29	7.04 ng/ul	954981	Perylene-d12	25.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64
5	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	59





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Quant Title : SVOA CALIBRATION

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

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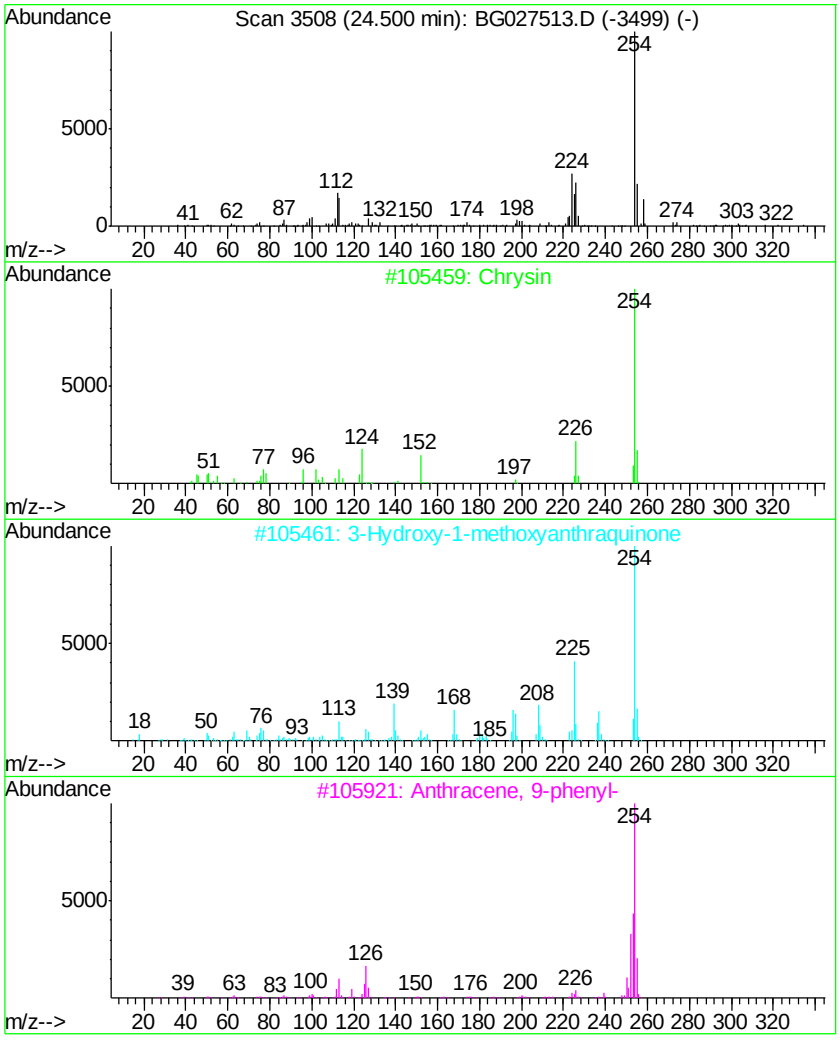
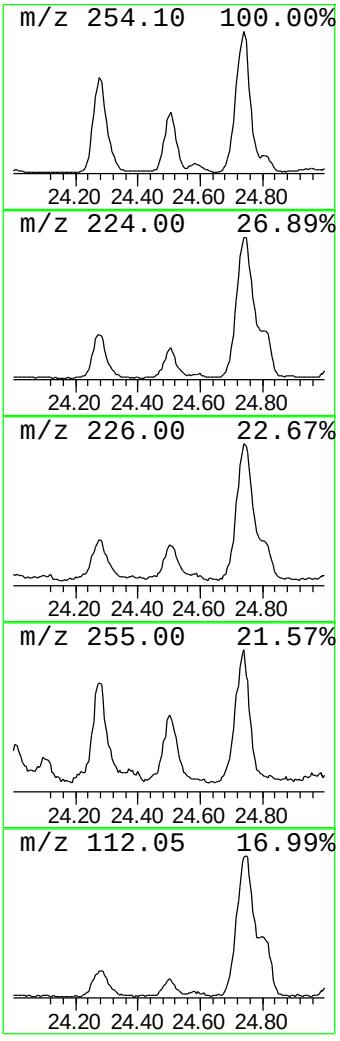
Peak Number 17 Chrysin Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.50	2.53 ng/ul	342855	Perylene-d12	25.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysin	254	C15H10O4	000480-40-0	58
2	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	52
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	50
4	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	50
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	50





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Quant Title : SVOA CALIBRATION

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

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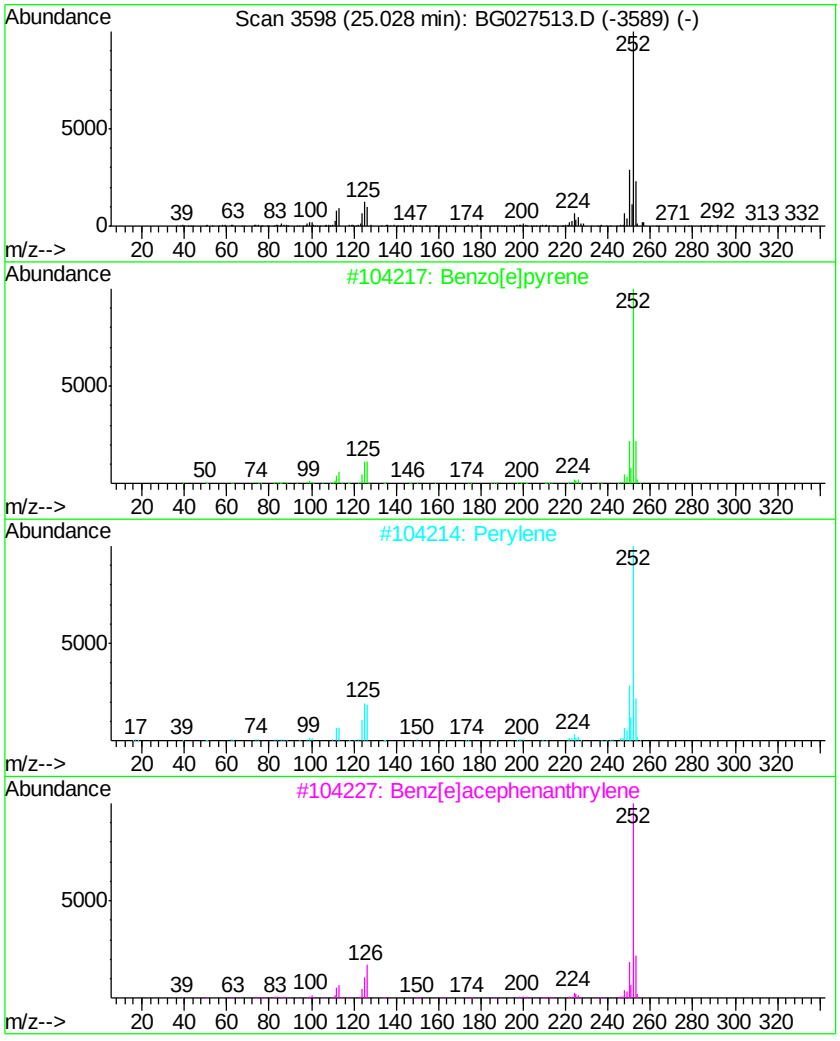
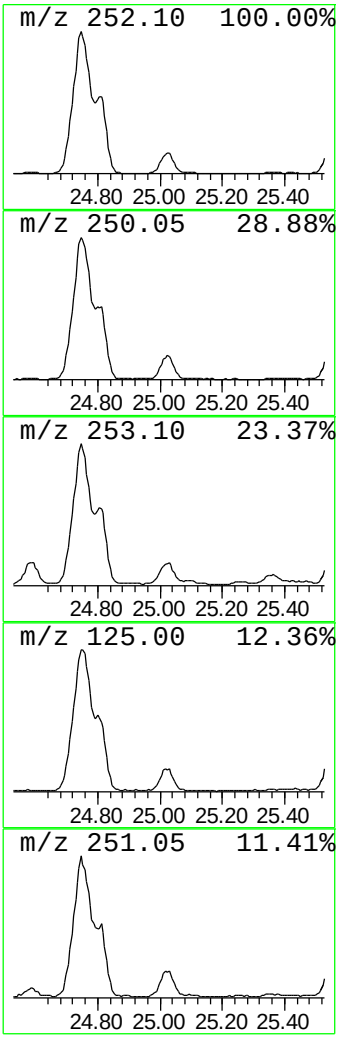
Peak Number 18 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.03	5.72 ng/ul	776467	Perylene-d12	25.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Perylene	252	C20H12	000198-55-0	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





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Quant Title : SVOA CALIBRATION

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

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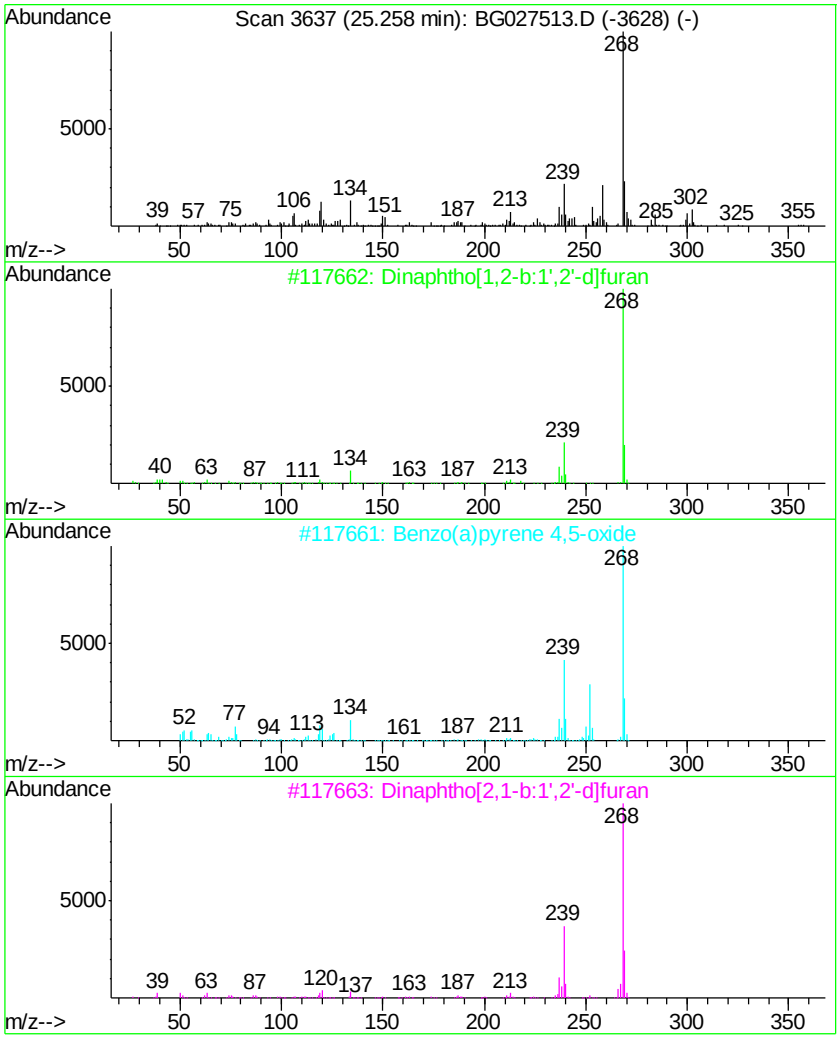
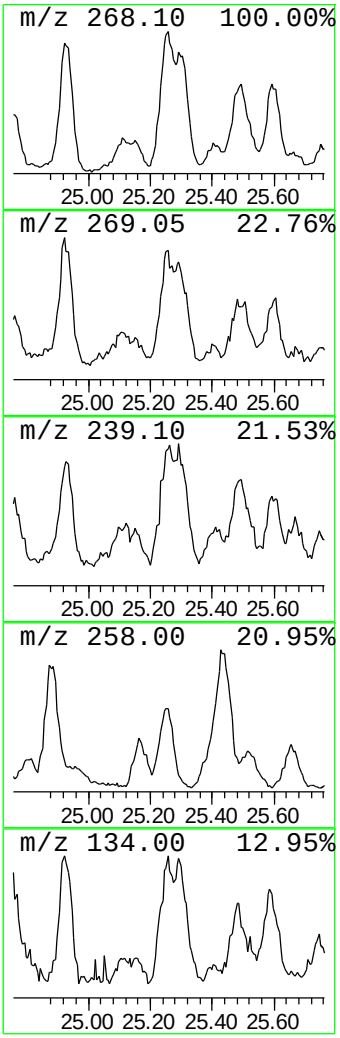
Peak Number 19 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.26	5.44 ng/ul	738987	Perylene-d12	25.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	92
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	76
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	58
4	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	58
5	Benzo[c]pyren-6,7-diol, 4,5-dihy...	433	C29H23NO3	1000124-59-9	53





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Quant Title : SVOA CALIBRATION

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

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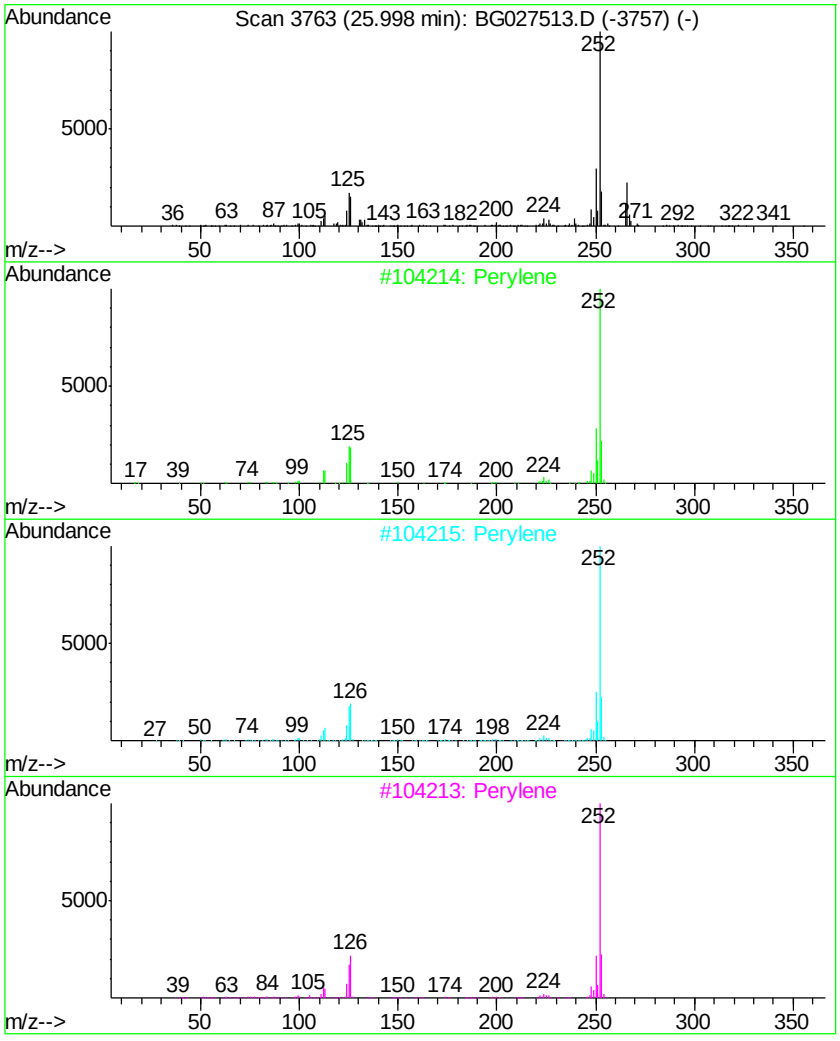
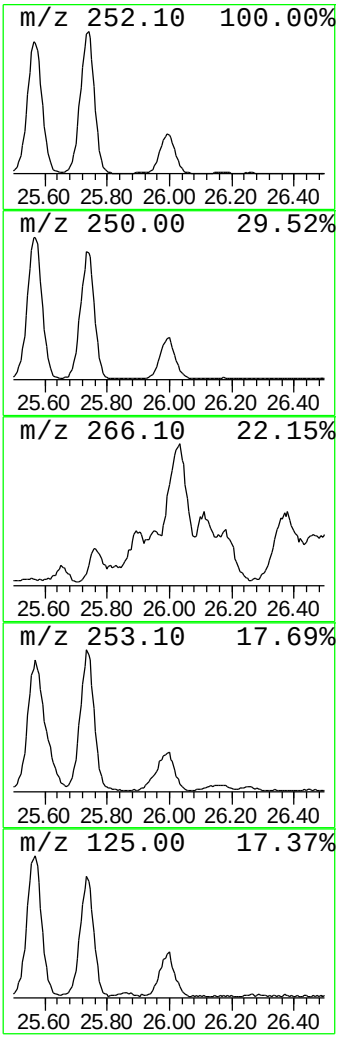
Peak Number 21 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.00	8.27 ng/ul	1122360	Perylene-d12	25.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	91
2	Perylene	252	C20H12	000198-55-0	91
3	Perylene	252	C20H12	000198-55-0	91
4	Benzo[e]pyrene	252	C20H12	000192-97-2	86
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	86





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Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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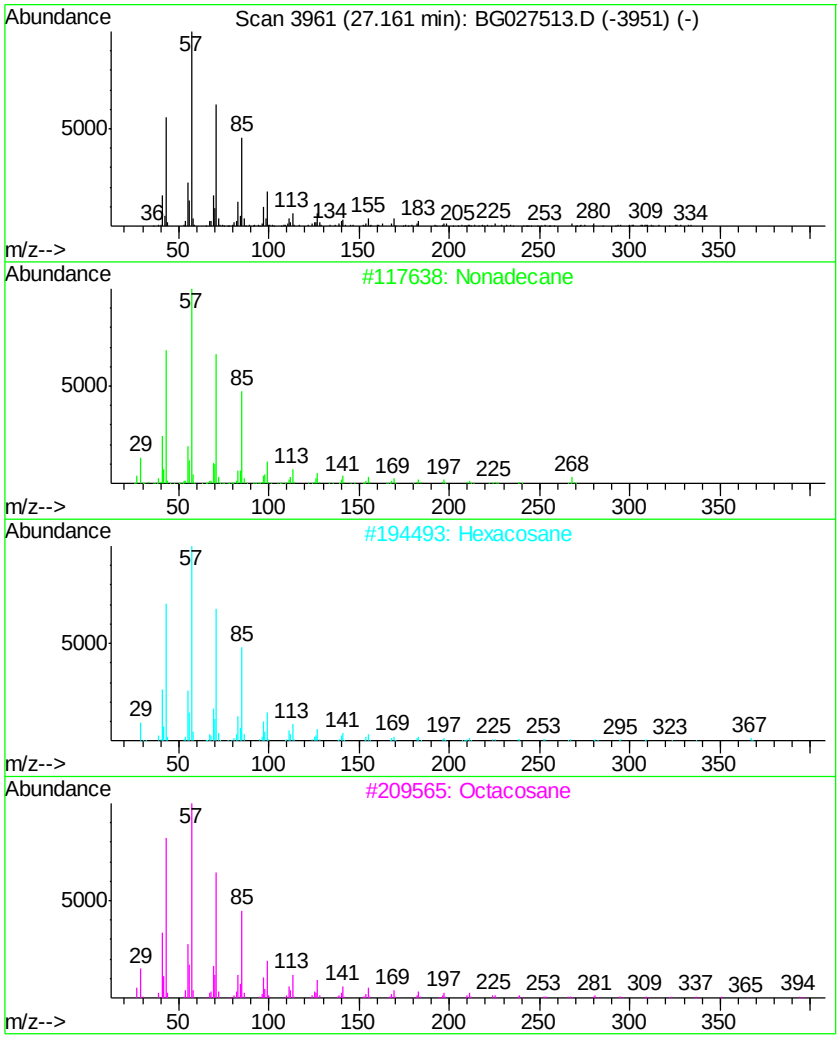
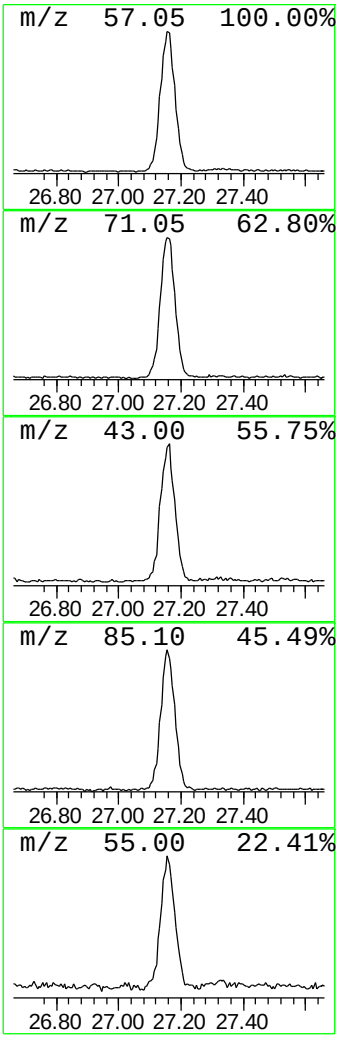
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.16	3.85 ng/ul	523034	Perylene-d12	25.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	96
2	Hexacosane	366	C26H54	000630-01-3	94
3	Octacosane	394	C28H58	000630-02-4	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Heneicosane	296	C21H44	000629-94-7	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027513.D
Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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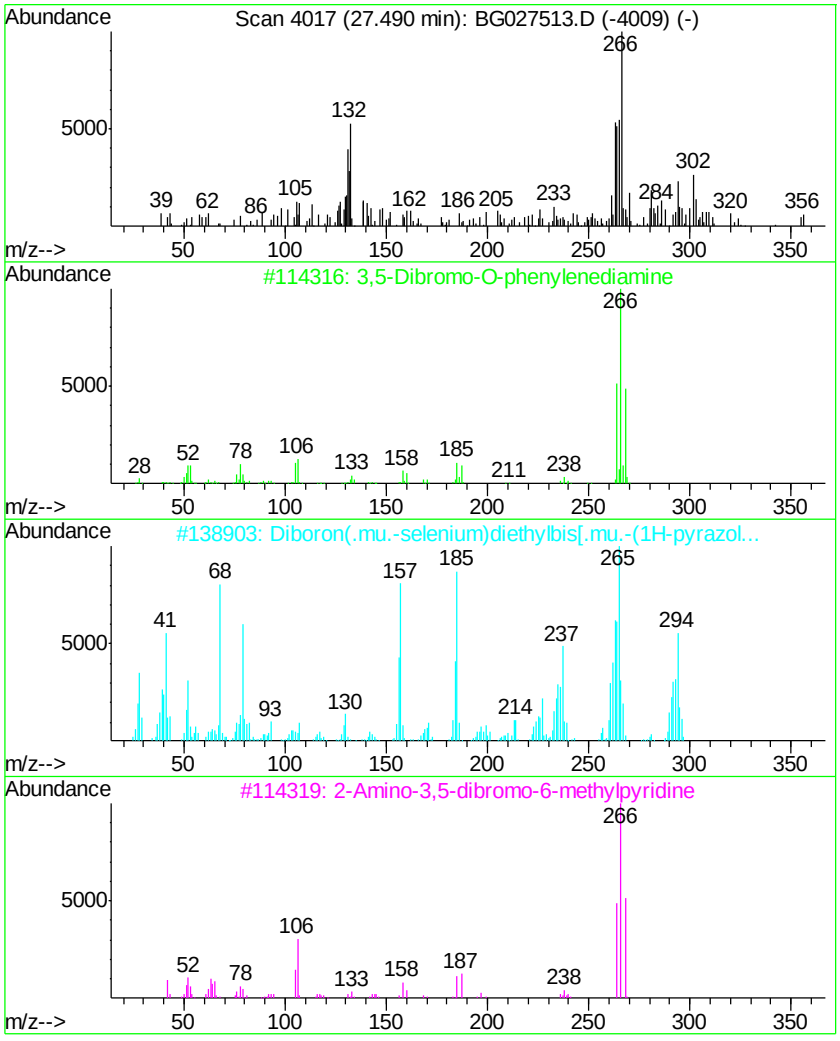
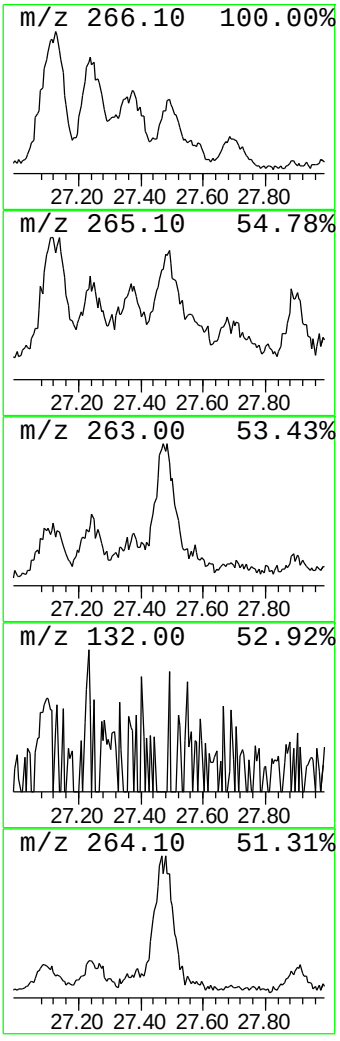
Peak Number 23 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.49	2.34 ng/ul	317921	Perylene-d12	25.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dibromo-O-phenylenediamine	264	C6H6Br2N2	001575-38-8	38
2	Diboron(.mu.-selenium)diethylbis...	294	C10H16B2N4Se	1000159-49-7	38
3	2-Amino-3,5-dibromo-6-methylpyri...	264	C6H6Br2N2	091872-10-5	30
4	Tetrachloroisophthalonitrile	264	C8Cl4N2	001897-45-6	25
5	Benzene, 2,4-dibromo-1-methoxy-	264	C7H6Br2O	021702-84-1	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027513.D
Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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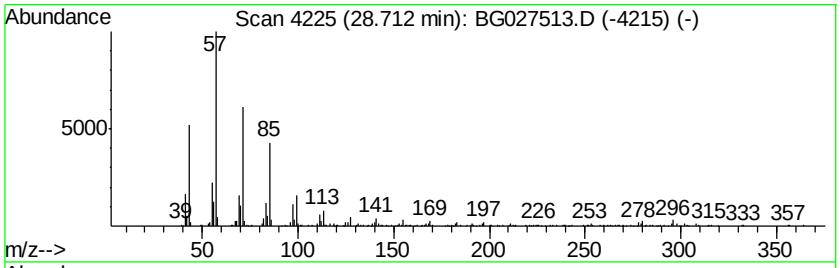
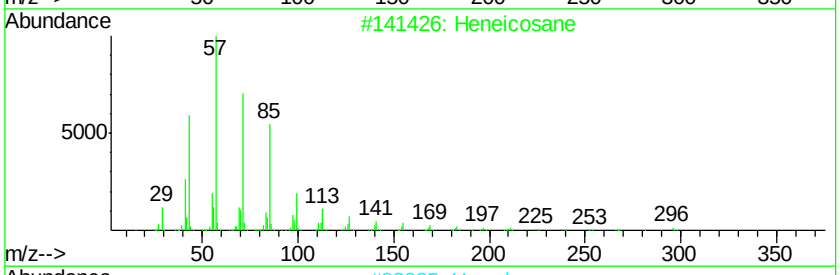
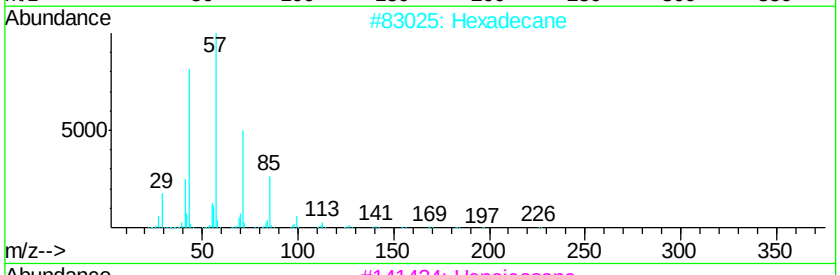
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 9

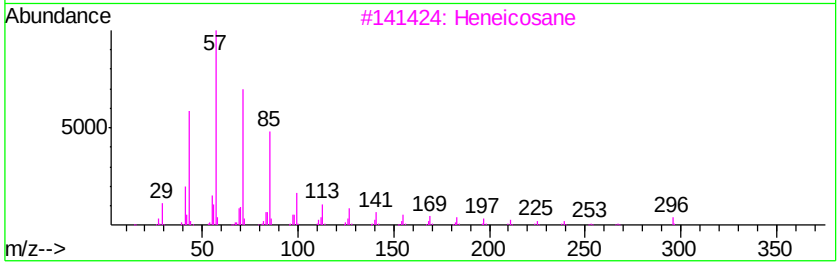
R.T.	EstConc	Area	Relative to ISTD	R.T.
28.71	4.91 ng/ul	666214	Perylene-d12	25.92

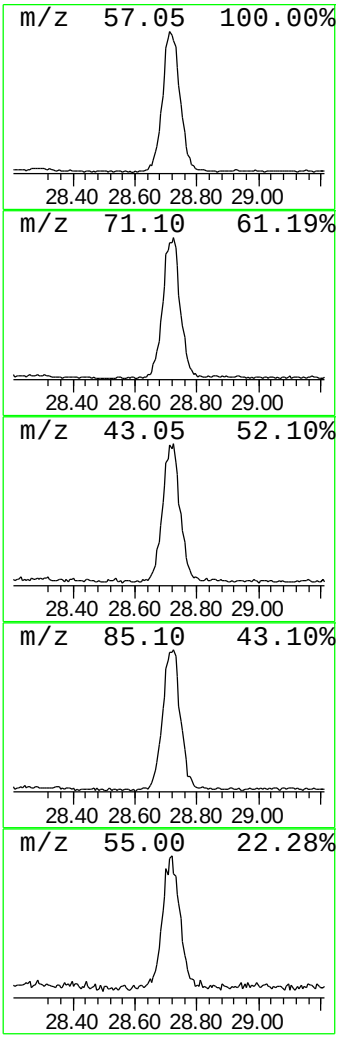
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Hexadecane	226	C16H34	000544-76-3	95
3	Heneicosane	296	C21H44	000629-94-7	94
4	Octadecane, 2-methyl-	268	C19H40	001560-88-9	91
5	Hexatriacontane	507	C36H74	000630-06-8	87











Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027513.D
Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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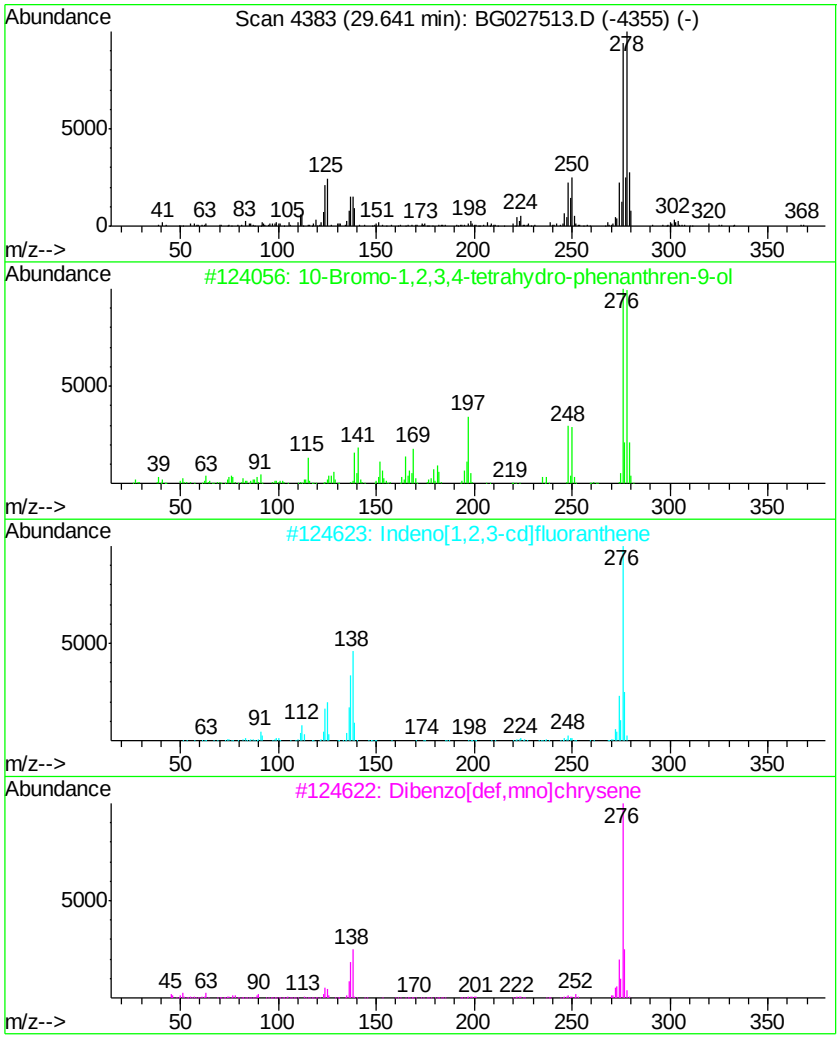
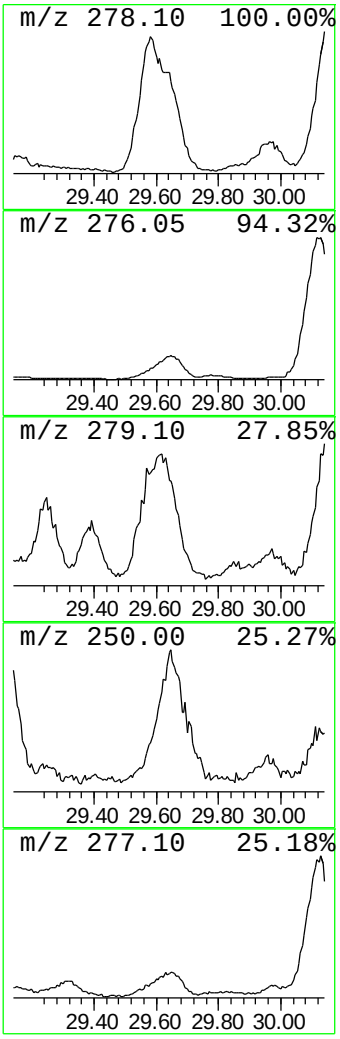
Peak Number 25 10-Bromo-1,2,3,4-tetrahydro... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.64	6.69 ng/ul	907846	Perylene-d12	25.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	64
2	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	46
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	42
4	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	42
5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	42





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027513.D
Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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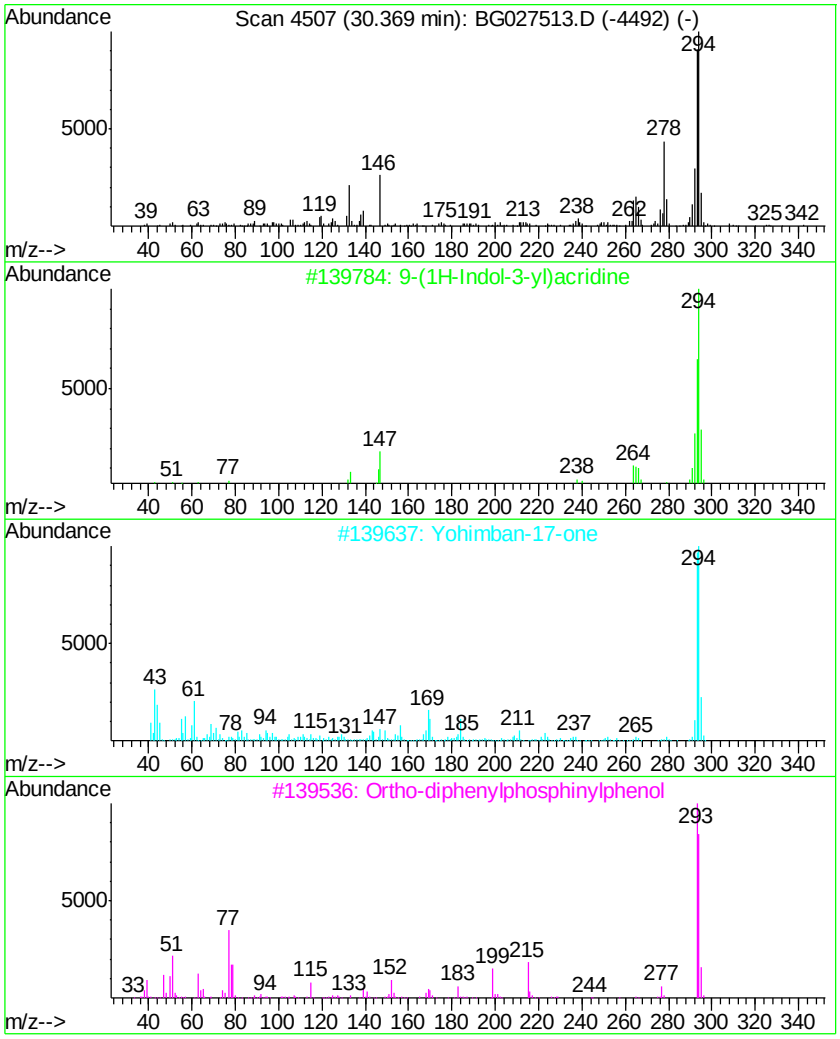
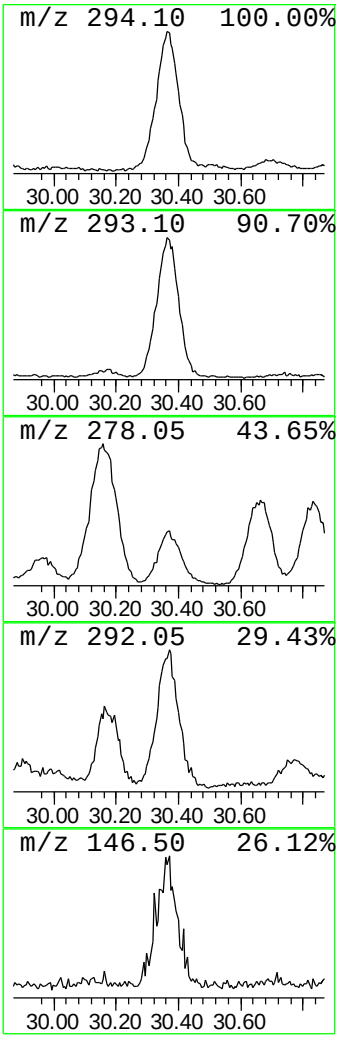
Peak Number 26 9-(1H-Indol-3-yl)acridine Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.37	7.27 ng/ul	986620	Perylene-d12	25.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-(1H-Indol-3-yl)acridine	294	C21H14N2	1000326-84-0	62
2	Yohimban-17-one	294	C19H22N2O	000523-14-8	50
3	Ortho-diphenylphosphinylphenol	294	C18H15O2P	016522-52-4	49
4	N-Methylyohimbane	294	C20H26N2	1000128-76-0	47
5	2-(p-Methoxyphenyl)-8-methyl-8H-...	293	C18H15NOS	022315-10-2	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027513.D
Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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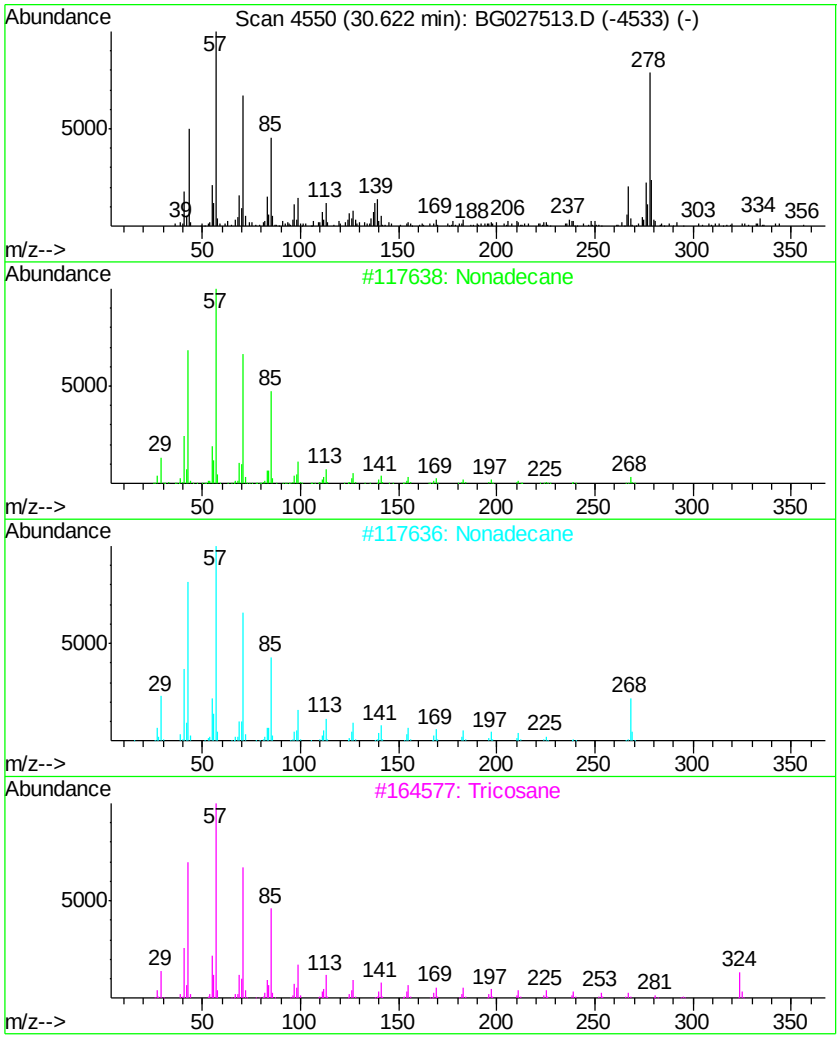
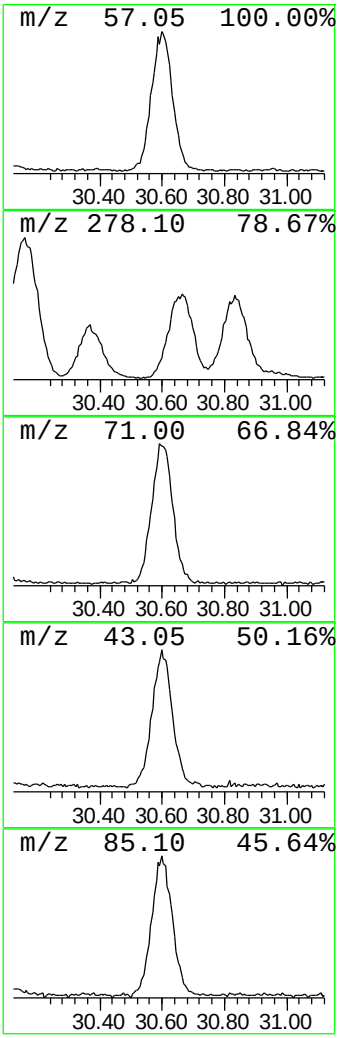
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.62	7.54 ng/ul	1022910	Perylene-d12	25.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Nonadecane	268	C19H40	000629-92-5	90
3	Tricosane	324	C23H48	000638-67-5	86
4	Tricosane	324	C23H48	000638-67-5	62
5	Hexadecane	226	C16H34	000544-76-3	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027513.D
Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : F5D37

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.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
n-Hexadecanoic acid	18.69	3.0	ng/ul	287222	4	17.85	1944650	20.0
Phenanthrene, 2,5...	19.62	2.3	ng/ul	222821	4	17.85	1944650	20.0
Cyclopenta(def)ph...	19.77	4.3	ng/ul	420145	4	17.85	1944650	20.0
Pyrene, 1-methyl-	20.57	2.5	ng/ul	766454	5	22.24	6085840	20.0
11H-Benzo[a]fluor...	21.56	3.4	ng/ul	1039390	5	22.24	6085840	20.0
Anthra(1,2-b)thio...	21.77	3.6	ng/ul	1083460	5	22.24	6085840	20.0
Cyclopenta(cd)pyr...	21.81	2.3	ng/ul	689686	5	22.24	6085840	20.0
Cyclopenta[cd]pyrene	21.87	3.3	ng/ul	997725	5	22.24	6085840	20.0
Benz[a]anthracene...	23.05	2.9	ng/ul	866728	5	22.24	6085840	20.0
Cyclohexane, hexa...	23.36	2.2	ng/ul	657045	5	22.24	6085840	20.0
Benz(a)anthracene...	24.09	3.1	ng/ul	414849	6	25.92	2714480	20.0
1,1'-Binaphthalene	24.29	7.0	ng/ul	954981	6	25.92	2714480	20.0
Chrysin	24.50	2.5	ng/ul	342855	6	25.92	2714480	20.0
Benzo[e]pyrene	25.03	5.7	ng/ul	776467	6	25.92	2714480	20.0
Dinaphtho[1,2-b:1...	25.26	5.4	ng/ul	738987	6	25.92	2714480	20.0
Perylene	26.00	8.3	ng/ul	1122360	6	25.92	2714480	20.0
(DEL) Alkane: Str...	27.16	3.9	ng/ul	523034	6	25.92	2714480	20.0
unknown-01	27.49	2.3	ng/ul	317921	6	25.92	2714480	20.0
(DEL) Alkane: Str...	28.71	4.9	ng/ul	666214	6	25.92	2714480	20.0
10-Bromo-1,2,3,4-...	29.64	6.7	ng/ul	907846	6	25.92	2714480	20.0
9-(1H-Indol-3-yl)...	30.37	7.3	ng/ul	986620	6	25.92	2714480	20.0
(DEL) Alkane: Str...	30.62	7.5	ng/ul	1022910	6	25.92	2714480	20.0