LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042029.D
Acq On : 7 Aug 2019 13:42
Operator : HP/JU
Sample : K4028-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.147	5	10	24	rVB	1400707	2237174	35.18%	4.532%
2	4.076	163	168	174	rVB4	9700	17461	0.27%	0.035%
3	5.104	338	343	352	rVV2	13769	23720	0.37%	0.048%
4	7.178	689	696	711	rBV	163327	322231	5.07%	0.653%
5	7.342	717	724	741	rBV	126893	215768	3.39%	0.437%
6	7.554	753	760	773	rBV	182455	320608	5.04%	0.650%
7	8.024	833	840	849	rBV	237116	414490	6.52%	0.840%
8	8.735	953	961	976	rBV	193762	369397	5.81%	0.748%
9	9.187	1030	1038	1047	rBV	158281	293291	4.61%	0.594%
10	9.922	1156	1163	1173	rBV2	143232	262819	4.13%	0.532%
11	10.468	1246	1256	1272	rBV	234593	456677	7.18%	0.925%
12	10.850	1314	1321	1336	rBV	347549	643158	10.11%	1.303%
13	10.979	1336	1343	1359	rVV	145583	318913	5.01%	0.646%
14	12.378	1574	1581	1586	rVV	12054	20590	0.32%	0.042%
15	14.087	1863	1872	1876	rVV	447625	696505	10.95%	1.411%
16	14.128	1876	1879	1887	rVB	178957	258770	4.07%	0.524%
17	14.375	1915	1921	1933	rBV2	545306	911065	14.33%	1.846%
18	14.687	1966	1974	1981	rBV2	613593	972727	15.30%	1.971%
19	14.751	1981	1985	1992	rVB	26934	40697	0.64%	0.082%
20	14.869	1999	2005	2019	rBV	107862	238139	3.74%	0.482%
21	15.092	2036	2043	2047	rBV3	21733	36418	0.57%	0.074%
22	15.480	2101	2109	2117	rBV7	7785	24149	0.38%	0.049%
23	15.680	2136	2143	2150	rBV	740412	1156492	18.18%	2.343%
24	15.732	2150	2152	2157	rVB	31315	41988	0.66%	0.085%
25	15.797	2157	2163	2171	rBV	131531	214793	3.38%	0.435%
26	15.915	2177	2183	2187	rBV7	8054	18965	0.30%	0.038%
27	16.032	2199	2203	2210	rVB	14910	26710	0.42%	0.054%
28	16.179	2223	2228	2237	rVB3	11705	25246	0.40%	0.051%
29	16.267	2237	2243	2250	rVB7	12540	25942	0.41%	0.053%
30	16.408	2262	2267	2272	rBV	138291	208351	3.28%	0.422%
31	16.455	2272	2275	2279	rVB4	18705	25782	0.41%	0.052%
32	16.526	2281	2287	2294	rBV	173269	248374	3.91%	0.503%
33	16.626	2299	2304	2308	rBV2	31584	46797	0.74%	0.095%
34	16.790	2328	2332	2337	rBV5	11881	21105	0.33%	0.043%

LSC Area Percent Report

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Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

35	16.843	2337	2341	2344	rBV6	13131	22646	0.36%	0.046%
36	16.913	2349	2353	2357	rVB2	39716	52242	0.82%	0.106%
37	17.002	2365	2368	2378	rVB7	43722	77282	1.22%	0.157%
38	17.090	2378	2383	2390	rVB2	26890	52835	0.83%	0.107%
39	17.195	2393	2401	2404	rBV6	21697	50587	0.80%	0.102%
40	17.260	2408	2412	2416	rVB2	27390	37432	0.59%	0.076%
41	17.342	2421	2426	2432	rBV8	21711	47140	0.74%	0.096%
42	17.395	2432	2435	2437	rBV3	24130	32211	0.51%	0.065%
43	17.442	2437	2443	2446	rVV2	734707	1201841	18.90%	2.435%
44	17.477	2446	2449	2453	rVV	484983	731013	11.49%	1.481%
45	17.536	2453	2459	2470	rVB2	808077	1528386	24.03%	3.096%
46	17.630	2470	2475	2484	rBV3	39400	93142	1.46%	0.189%
47	17.718	2485	2490	2494	rBV3	97236	142185	2.24%	0.288%
48	17.836	2505	2510	2515	rVV2	81654	152997	2.41%	0.310%
49	17.889	2515	2519	2523	rVB3	39697	61542	0.97%	0.125%
50	17.959	2529	2531	2538	rVB6	21262	26458	0.42%	0.054%
51	18.024	2538	2542	2547	rBV3	32494	57319	0.90%	0.116%
52	18.100	2547	2555	2560	rVB2	96599	219422	3.45%	0.445%
53	18.177	2563	2568	2572	rBV3	36842	50267	0.79%	0.102%
54	18.224	2572	2576	2582	rVB2	101272	151944	2.39%	0.308%
55	18.277	2582	2585	2587	rBV4	15958	18168	0.29%	0.037%
56	18.329	2587	2594	2598	rBV2	190383	389498	6.12%	0.789%
57	18.365	2598	2600	2605	rVB	117647	147599	2.32%	0.299%
58	18.512	2618	2625	2629	rBV3	159081	350840	5.52%	0.711%
59	18.547	2629	2631	2635	rVB2	106581	118775	1.87%	0.241%
60	18.658	2647	2650	2655	rVB	58512	79813	1.25%	0.162%
61	18.770	2666	2669	2672	rBV5	18284	26434	0.42%	0.054%
62	18.811	2673	2676	2679	rVV	74329	104431	1.64%	0.212%
63	18.852	2679	2683	2694	rVB2	113029	184754	2.91%	0.374%
64	19.058	2716	2718	2722	rVB3	34631	36245	0.57%	0.073%
65	19.105	2724	2726	2730	rVB	24667	28531	0.45%	0.058%
66	19.234	2744	2748	2751	rBV	67442	105796	1.66%	0.214%
67	19.369	2767	2771	2780	rBV2	77471	150155	2.36%	0.304%
68	19.493	2787	2792	2798	rVB	1270578	1780835	28.00%	3.608%
69	19.599	2806	2810	2815	rBV5	47201	83942	1.32%	0.170%
70	19.828	2843	2849	2851	rBV2	1143117	1671318	26.28%	3.386%
71	19.857	2851	2854	2862	rVB	1155138	1603816	25.22%	3.249%

LSC Area Percent Report

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Sample : K4028-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

72	20.174	2904	2908	2915	rBV2	79138	191410	3.01%	0.388%
73	20.345	2934	2937	2943	rVB2	208893	304011	4.78%	0.616%
74	20.445	2951	2954	2959	rBV2	132625	174281	2.74%	0.353%
75	20.503	2962	2964	2968	rVB	124789	139492	2.19%	0.283%
76	20.644	2985	2988	2992	rBV	73410	90007	1.42%	0.182%
77	20.862	3022	3025	3029	rVB	94322	106839	1.68%	0.216%
78	21.109	3064	3067	3073	rVB	119614	197696	3.11%	0.401%
79	21.344	3104	3107	3109	rBV	67257	85033	1.34%	0.172%
80	21.379	3109	3113	3120	rVB3	213327	414650	6.52%	0.840%
81	21.614	3151	3153	3158	rVB	111304	126143	1.98%	0.256%
82	21.720	3163	3171	3176	rVV2	997215	2549070	40.08%	5.164%
83	21.772	3176	3180	3193	rVB	606829	1072357	16.86%	2.173%
84	21.931	3202	3207	3213	rVB4	239020	396165	6.23%	0.803%
85	22.301	3267	3270	3281	rVB6	173783	283952	4.46%	0.575%
86	22.554	3308	3313	3320	rVB3	229755	410388	6.45%	0.831%
87	23.265	3429	3434	3443	rVB	382359	774282	12.17%	1.569%
88	23.958	3545	3552	3560	rBV	455922	1479779	23.27%	2.998%
89	24.093	3569	3575	3581	rVB	314987	651492	10.24%	1.320%
90	24.228	3594	3598	3606	rVB2	155607	365139	5.74%	0.740%
91	24.693	3670	3677	3684	rBV	568064	1577515	24.81%	3.196%
92	24.775	3685	3691	3697	rVV	504332	1360876	21.40%	2.757%
93	24.839	3697	3702	3714	rVB	394623	1049691	16.51%	2.127%
94	24.992	3720	3728	3735	rBV2	456849	1345721	21.16%	2.726%
95	25.063	3735	3740	3757	rVB3	431197	1209954	19.03%	2.451%
96	26.232	3930	3939	3949	rVB2	328083	998695	15.70%	2.023%
97	27.630	4169	4177	4188	rVB3	235696	832347	13.09%	1.686%
98	28.723	4355	4363	4383	rVB3	185672	855506	13.45%	1.733%
99	29.317	4457	4464	4482	rVB5	264027	1132059	17.80%	2.294%
100	31.038	4740	4757	4774	rVB	1220407	6359607	100.00%	12.884%

Sum of corrected areas: 49359310

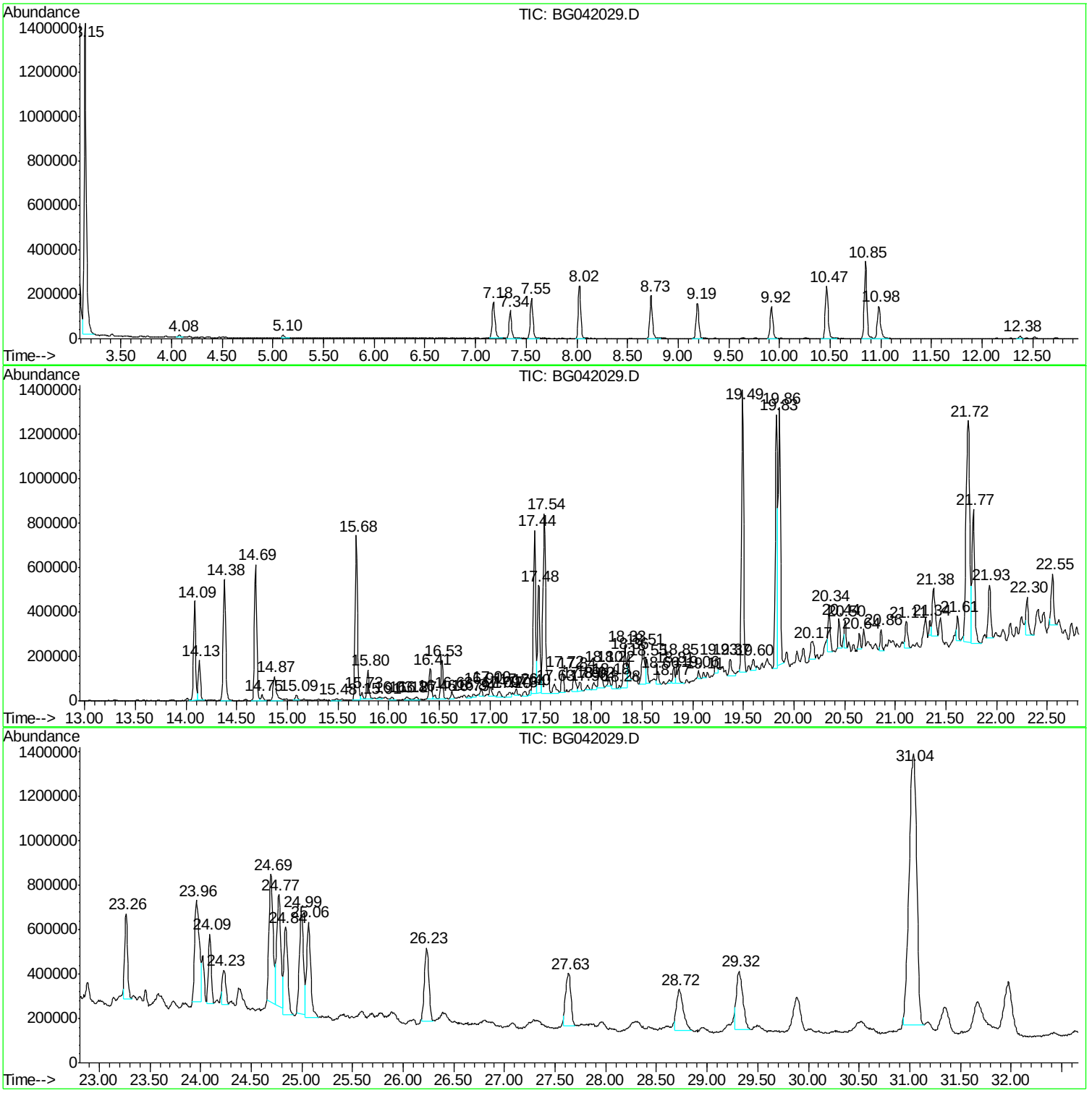
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042029.D
Acq On : 7 Aug 2019 13:42
Operator : HP/JU
Sample : K4028-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
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Acq On : 7 Aug 2019 13:42
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Sample : K4028-10
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Instrument : BNA_G
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

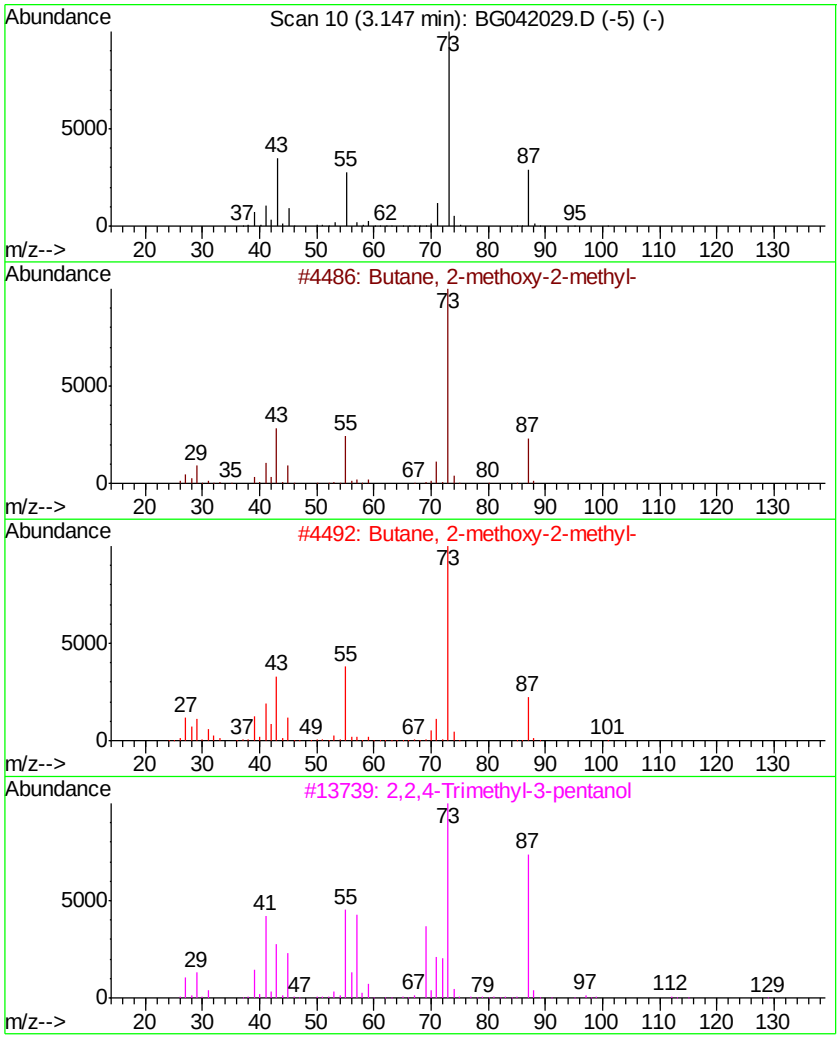
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

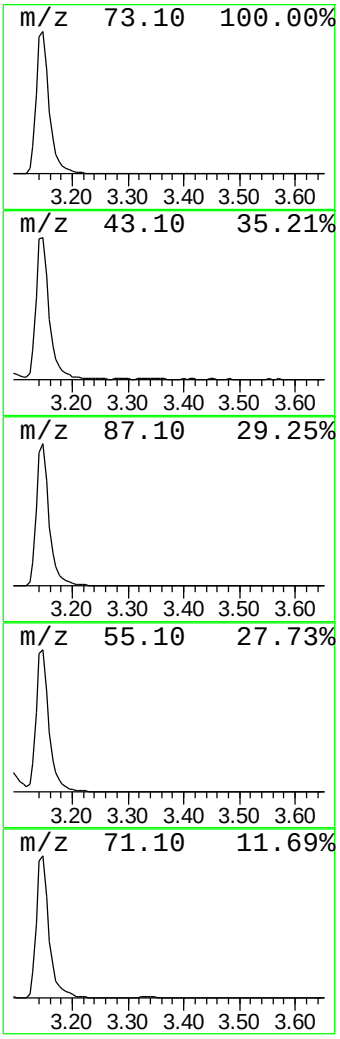
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	107.95 ng/ul	2237170	1,4-Dichlorobenzene-d4	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	45
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
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Sample : K4028-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

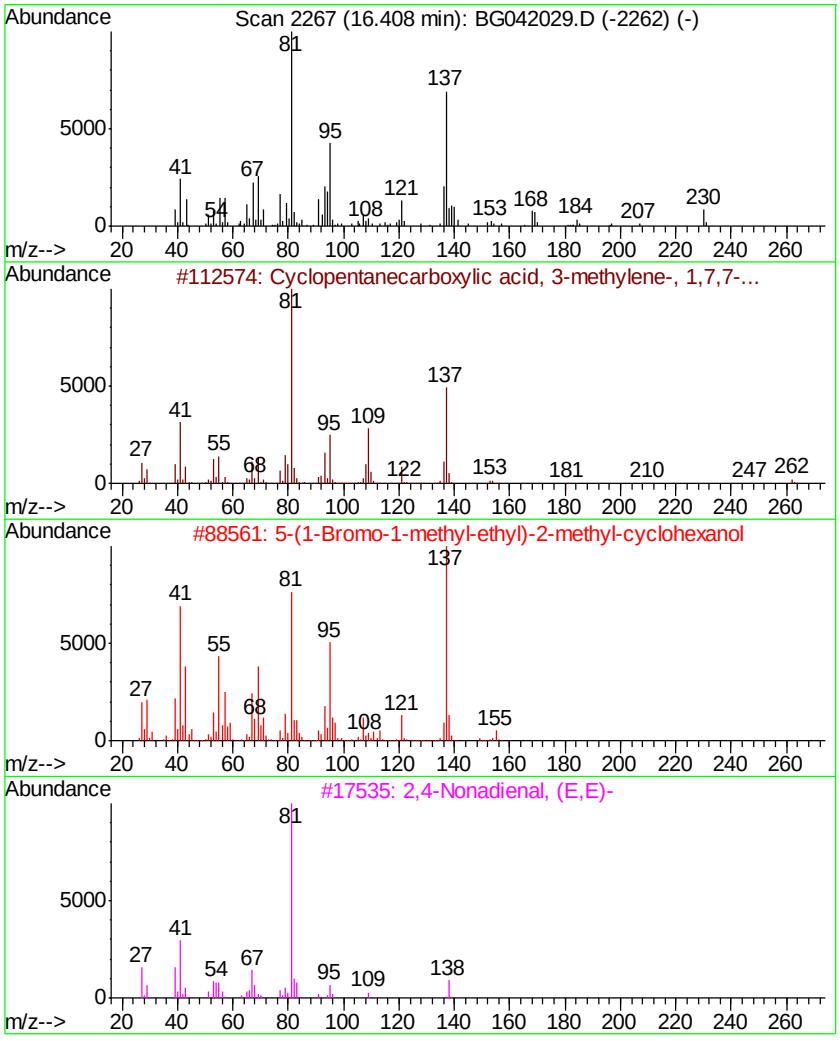
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

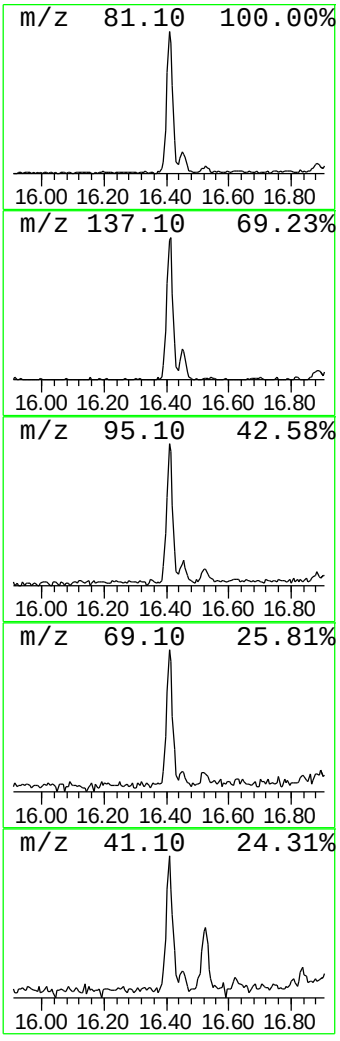
****

Peak Number 2 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	3.47 ng/ul	208351	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanecarboxylic acid, 3-m...	262	C17H26O2	074793-59-2	42
2	5-(1-Bromo-1-methyl-ethyl)-2-met...	234	C10H19BrO	1000188-65-7	32
3	2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	27
4	2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	27
5	1-Propanone, 2-methyl-1-(octahyd...	208	C14H24O	066708-25-6	27





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Quant Title : SVOA CALIBRATION

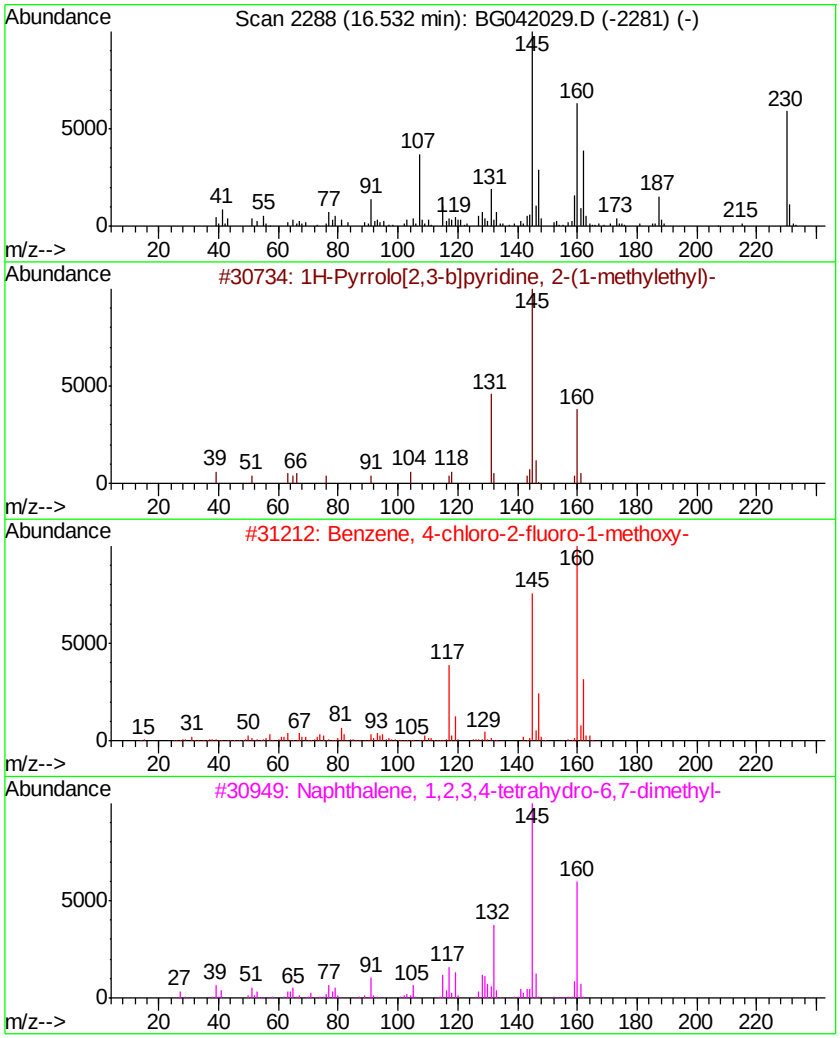
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

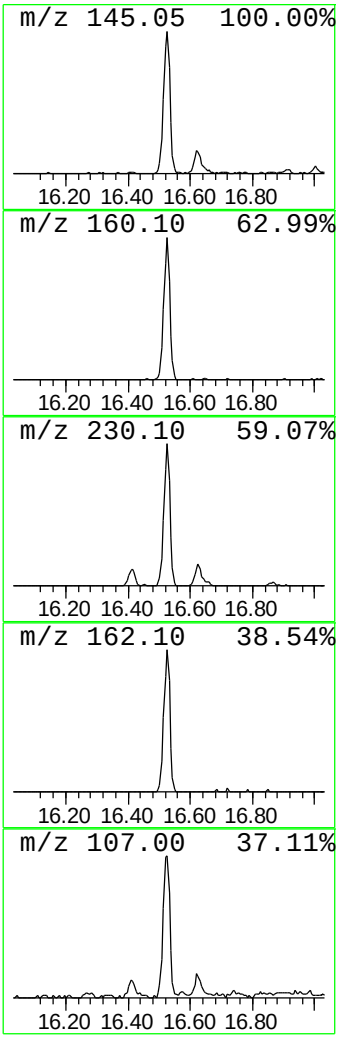
****

Peak Number 3 1H-Pyrrolo[2,3-b]pyridine, ... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	4.13 ng/ul	248374	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrrolo[2,3-b]pyridine, 2-(1-...	160	C10H12N2	027257-18-7	55
2	Benzene, 4-chloro-2-fluoro-1-met...	160	C7H6ClFO	000452-09-5	53
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	50
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	45
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	43





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Instrument : BNA_G
ClientSampleId : BENZ2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

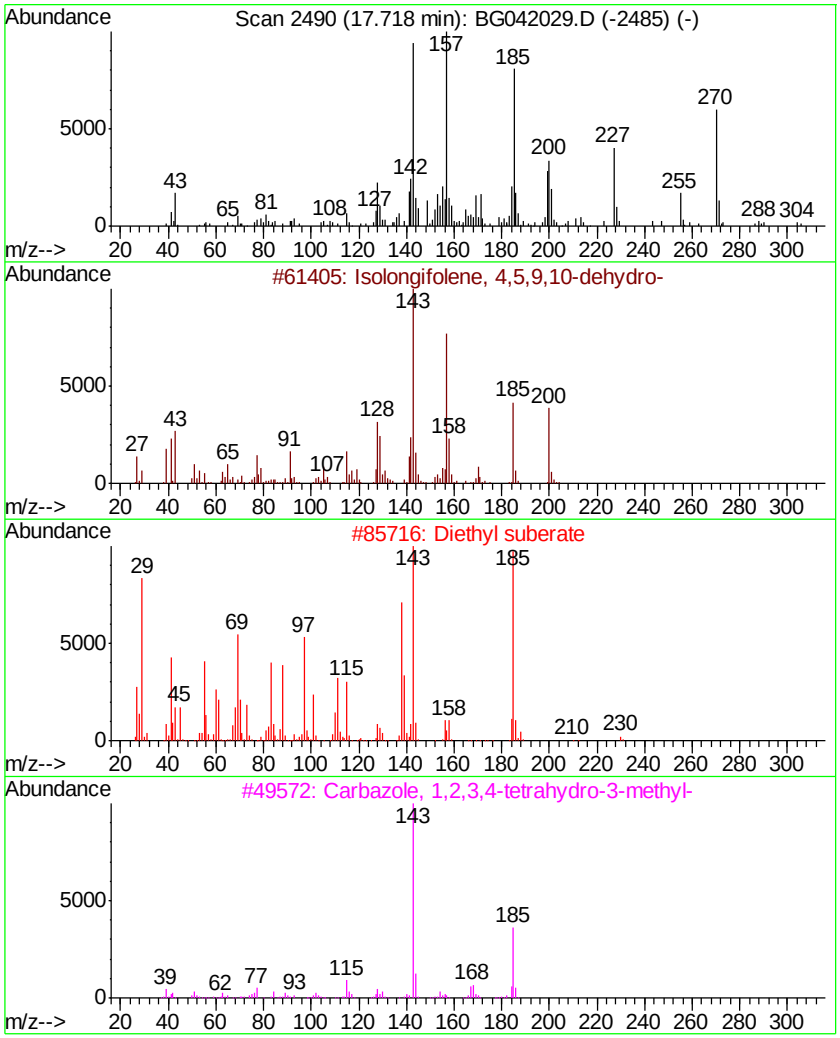
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

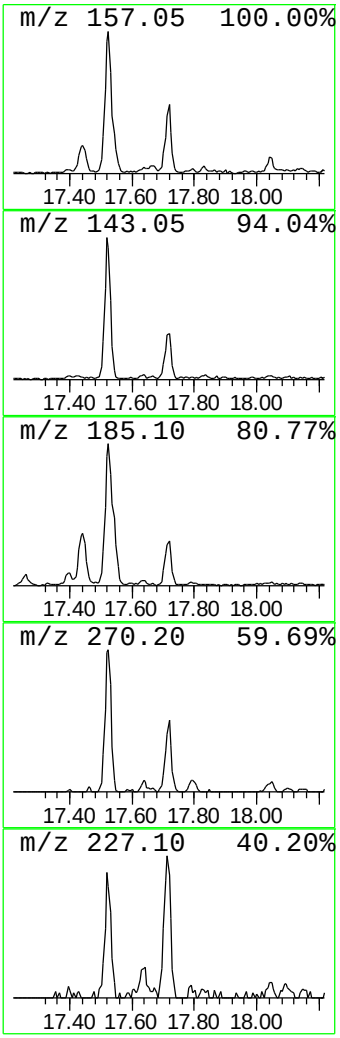
****

Peak Number 4 unknown-02 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	2.37 ng/ul	142185	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isolongifolene, 4,5,9,10-dehydro-	200	C15H20	156747-45-4	45
2	Diethyl suberate	230	C12H22O4	002050-23-9	38
3	Carbazole, 1,2,3,4-tetrahydro-3-...	185	C13H15N	006933-54-6	35
4	Phenylserine, 3-fluoro-4,5-dimet...	259	C11H14FNO5	1000116-77-9	35
5	Phenol, 4-(phenylamino)-	185	C12H11NO	000122-37-2	35





Library Search Compound Report

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Sample : K4028-10
Misc :
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Instrument : BNA_G
ClientSampleId : BENZ2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

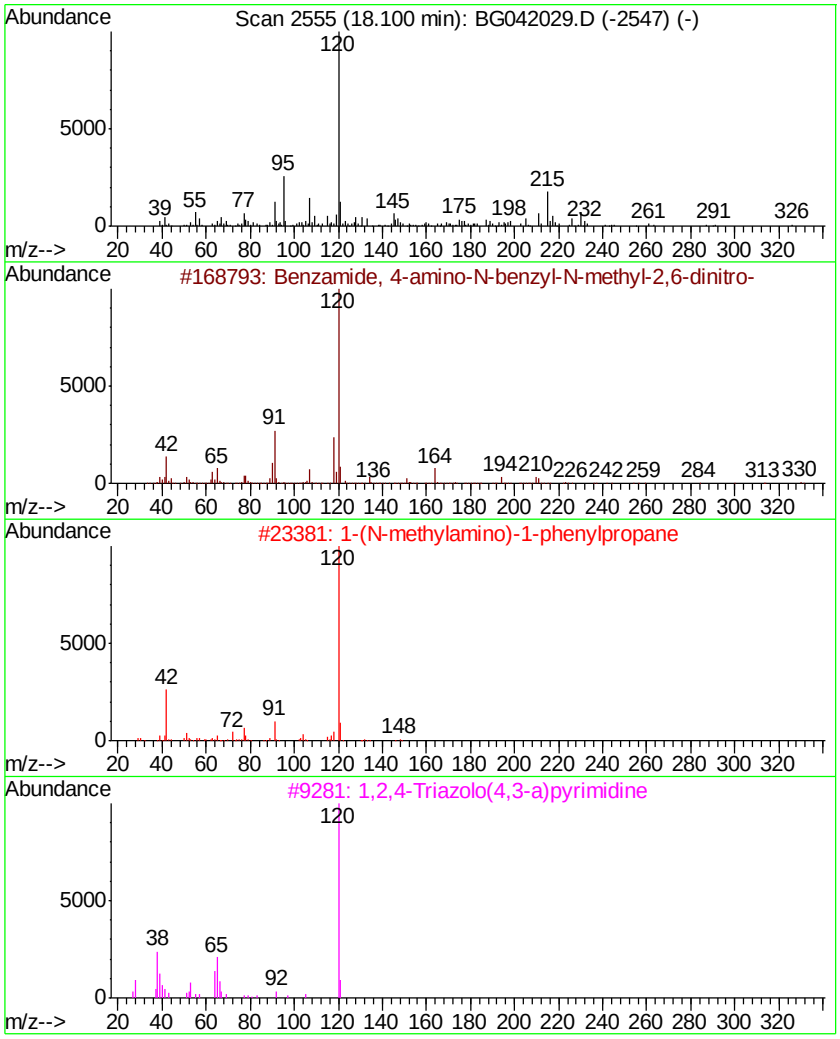
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

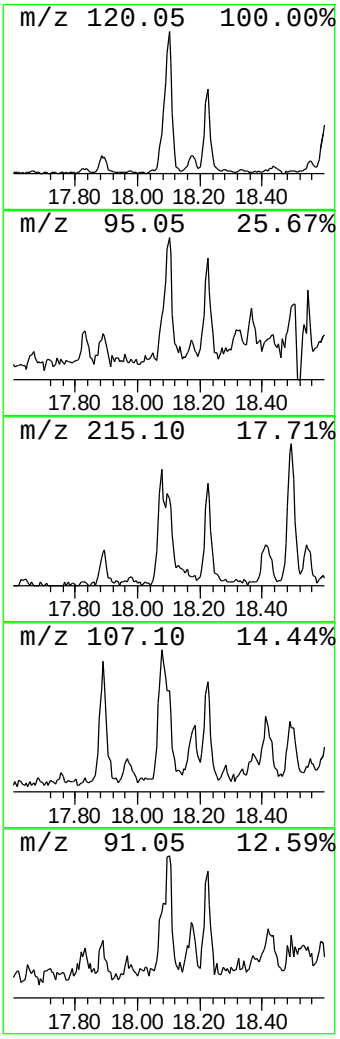
****

Peak Number 5 Benzamide, 4-amino-N-benzyl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	3.65 ng/ul	219422	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, 4-amino-N-benzyl-N-me...	330	C15H14N4O5	1000274-07-4	50
2	1-(N-methylamino)-1-phenylpropane	149	C10H15N	1000379-96-5	47
3	1,2,4-Triazolo(4,3-a)pyrimidine	120	C5H4N4	000274-98-6	47
4	1-(p-Tolyl)-2-imidazolidinone	176	C10H12N2O	090917-76-3	47
5	4-sec-Butylaniline	149	C10H15N	030273-11-1	47





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Acq On : 7 Aug 2019 13:42
Operator : HP/JU
Sample : K4028-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

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Quant Title : SVOA CALIBRATION

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

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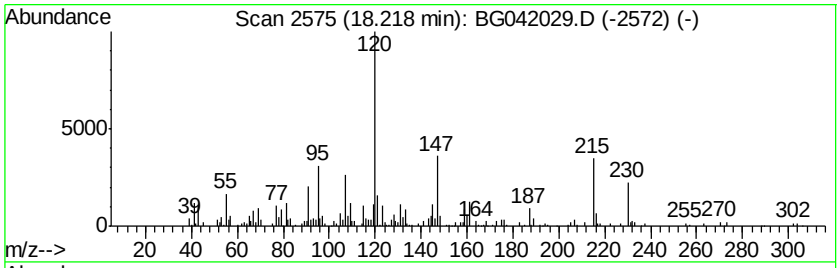
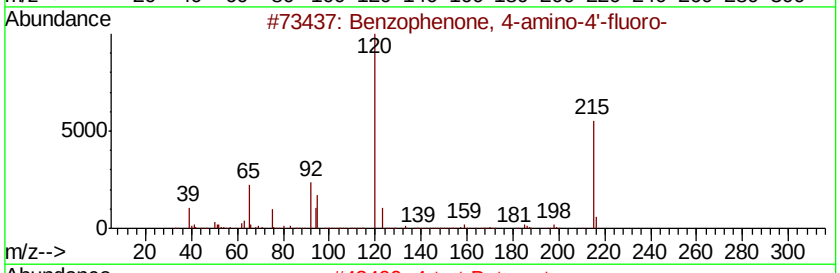
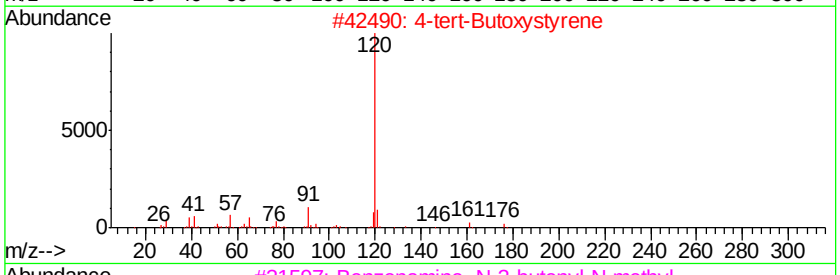
Peak Number 6 unknown-03 Concentration Rank 20

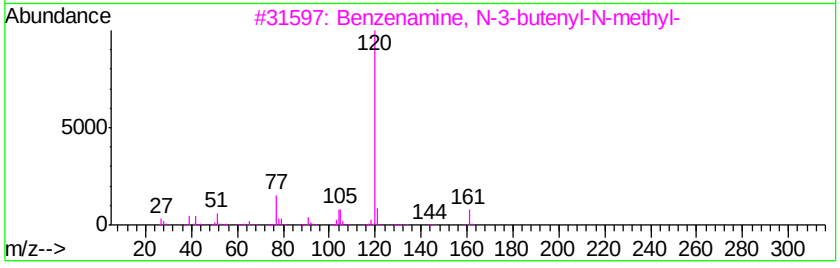
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	2.53 ng/ul	151944	Phenanthrene-d10	17.44

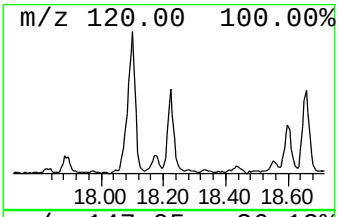
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone, 4-amino-4'-fluoro-	215	C13H10FNO	010055-40-0	37
2	4-tert-Butoxystyrene	176	C12H16O	095418-58-9	25
3	Benzenamine, N-3-butenyl-N-methyl-	161	C11H15N	013424-22-1	25
4	1-(N-methylamino)-1-phenylpropane	149	C10H15N	1000379-96-5	22
5	Acetanilide, N-(1-(dimethylcarba...	234	C13H18N2O2	092032-77-4	22

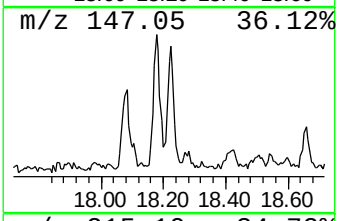


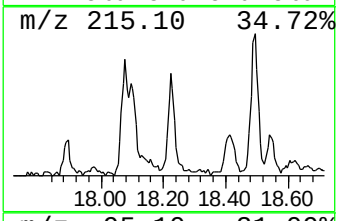


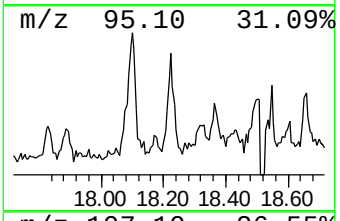


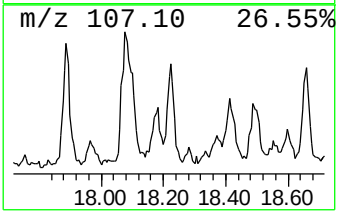












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Acq On : 7 Aug 2019 13:42
Operator : HP/JU
Sample : K4028-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

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Quant Title : SVOA CALIBRATION

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

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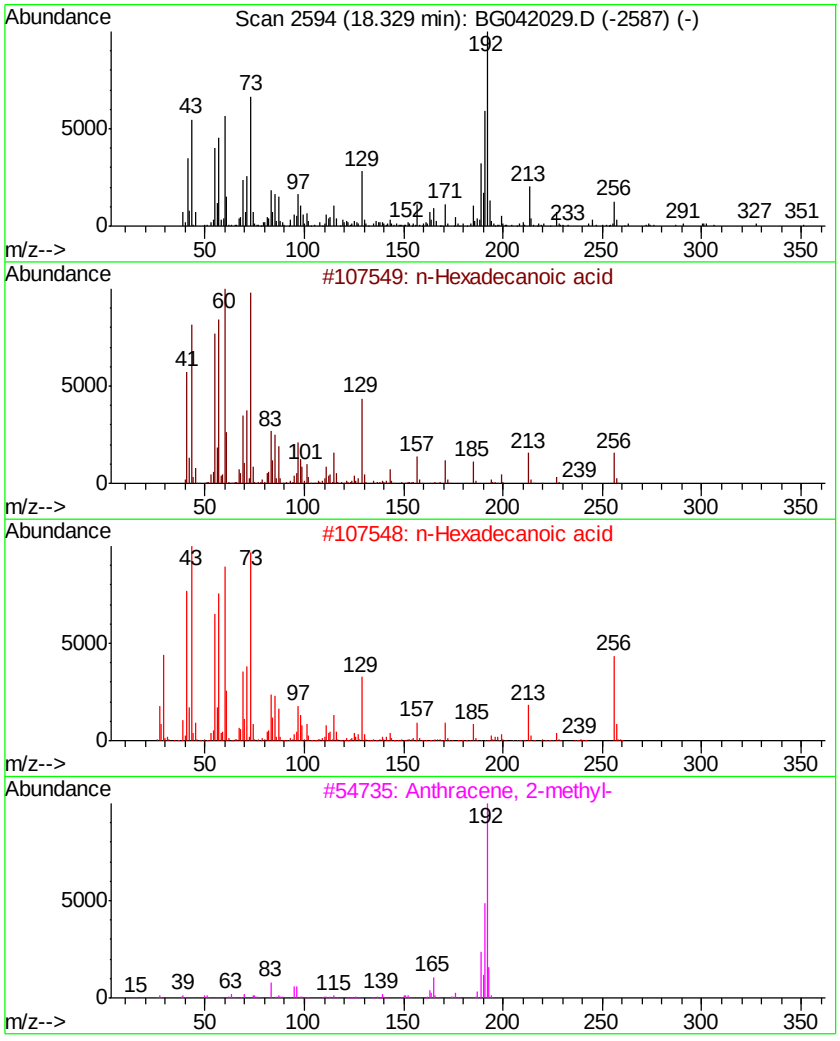
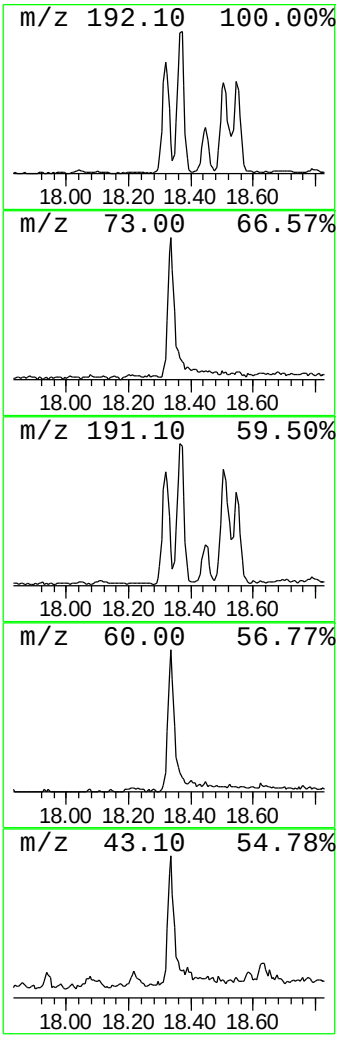
Peak Number 7 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	6.48 ng/ul	389498	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	92
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60





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ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

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Quant Title : SVOA CALIBRATION

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

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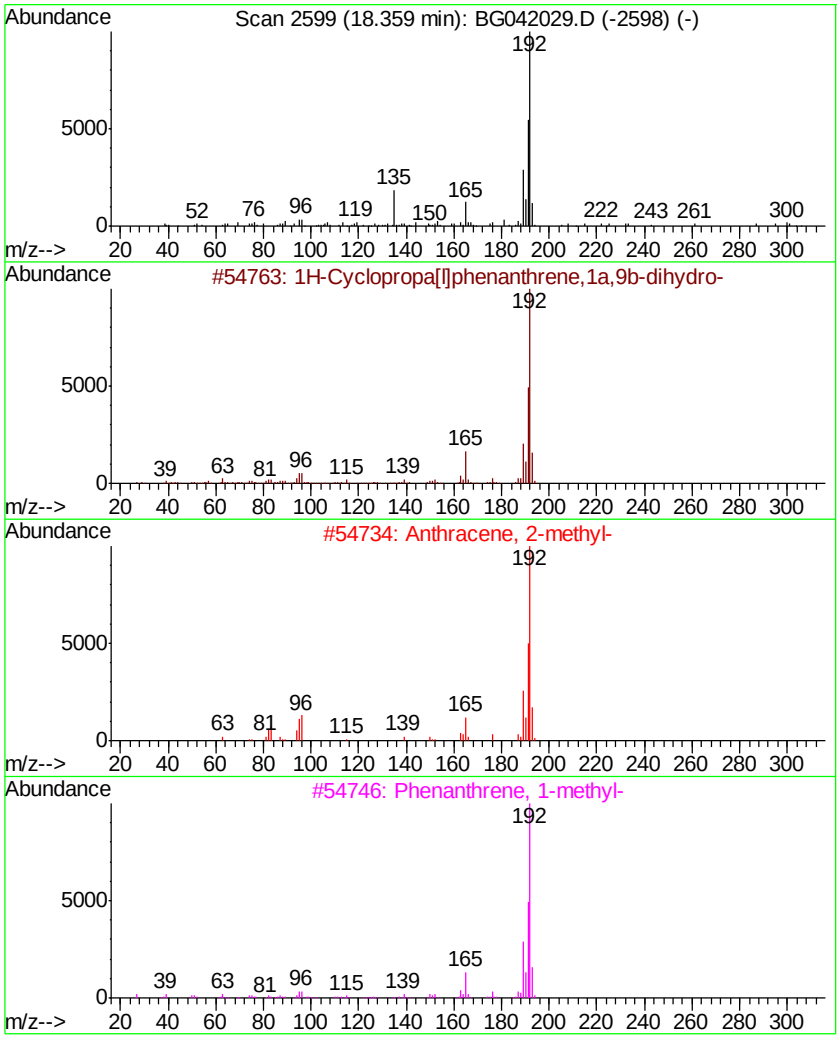
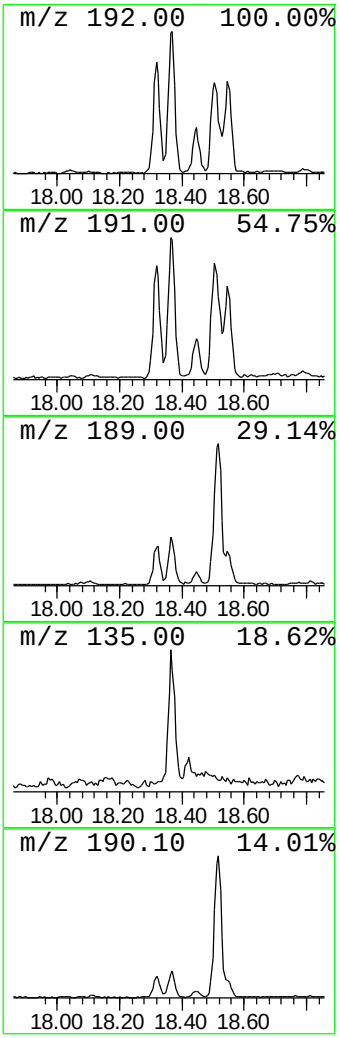
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	2.46 ng/ul	147599	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83





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Operator : HP/JU
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Instrument : BNA_G
ClientSampleId : BENZ2

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Quant Title : SVOA CALIBRATION

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

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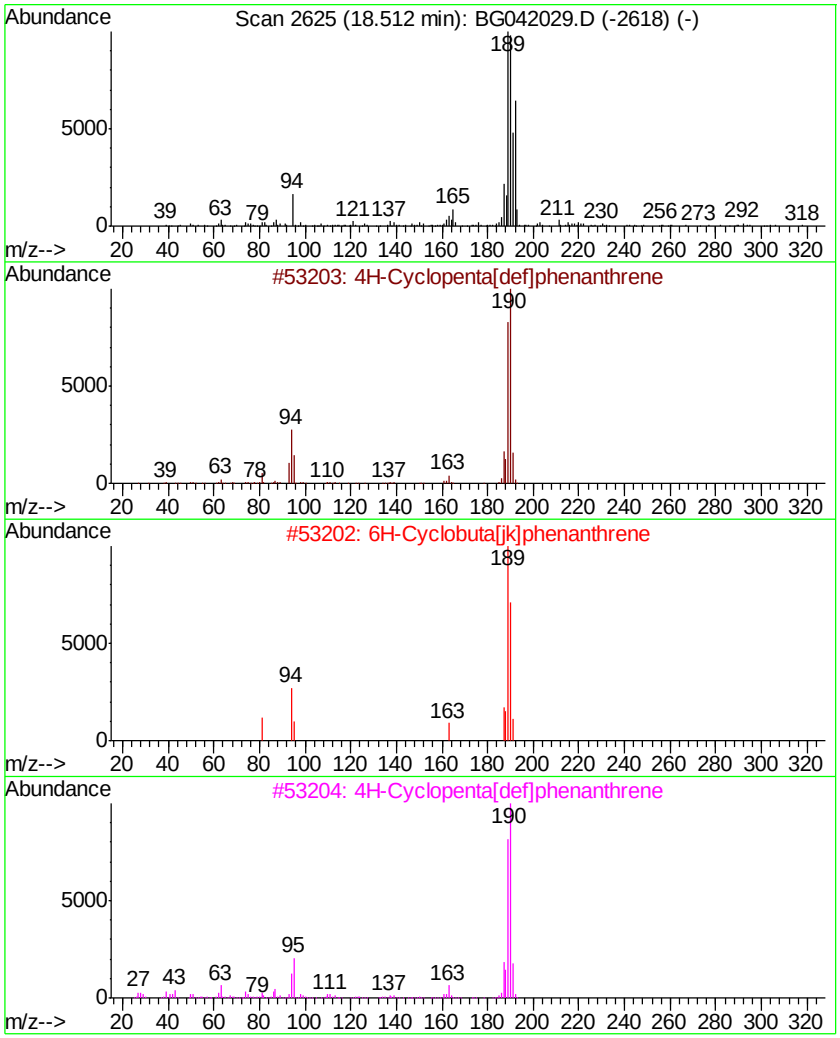
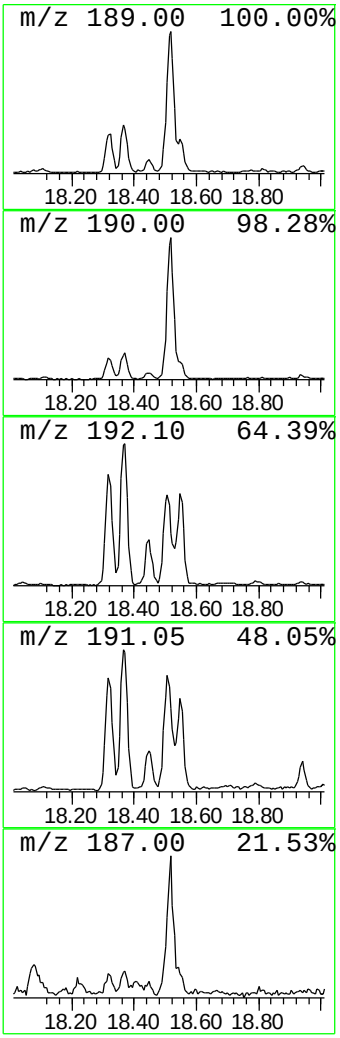
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	5.84 ng/ul	350840	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	42





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Sample : K4028-10
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Instrument : BNA_G
ClientSampleId : BENZ2

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Quant Title : SVOA CALIBRATION

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

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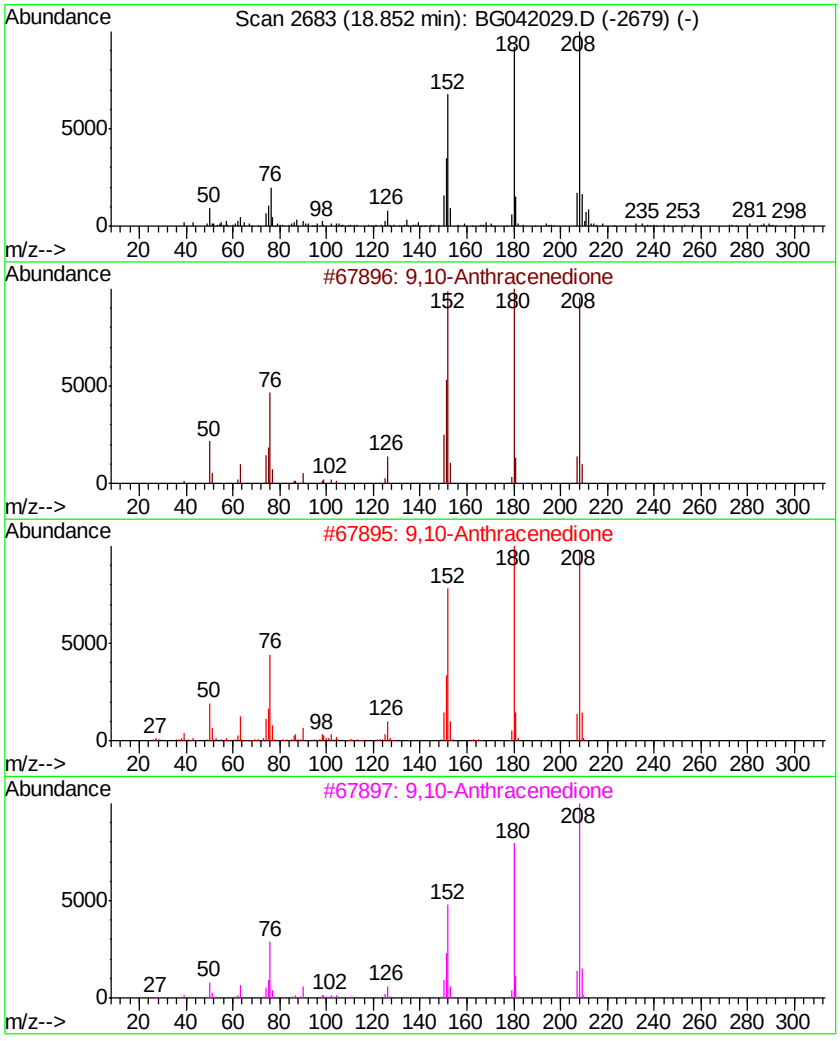
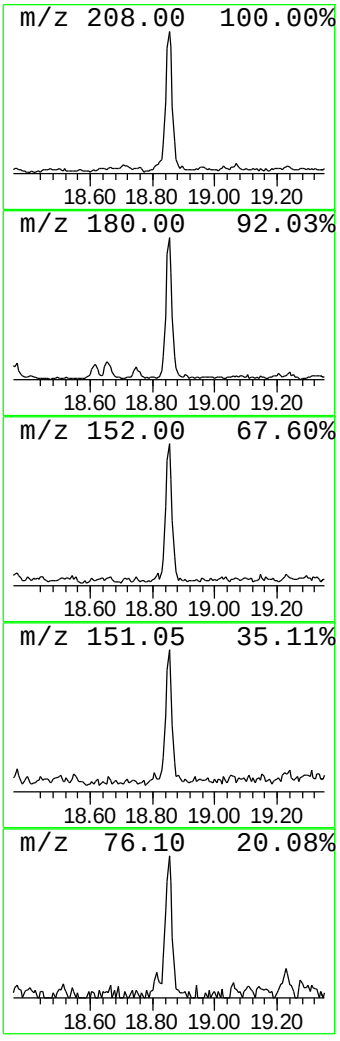
Peak Number 10 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	3.07 ng/ul	184754	Phenanthrene-d10	17.44

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	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	53





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ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

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Quant Title : SVOA CALIBRATION

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

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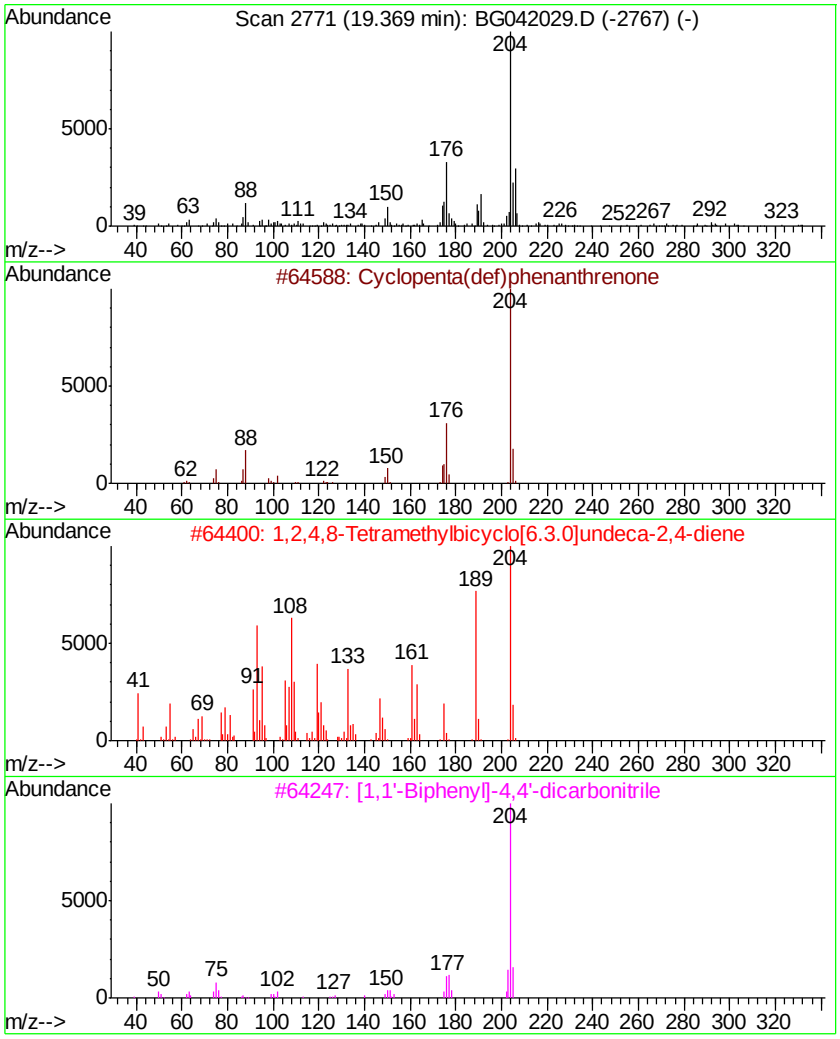
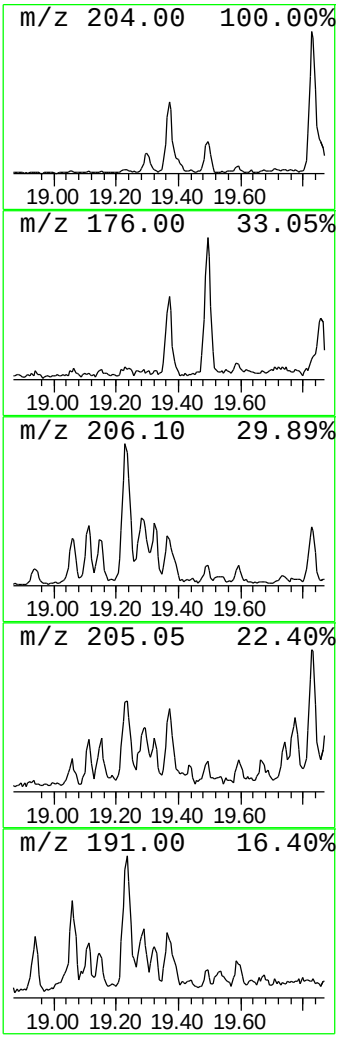
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	2.50 ng/ul	150155	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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Acq On : 7 Aug 2019 13:42
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Instrument : BNA_G
ClientSampleId : BENZ2

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Quant Title : SVOA CALIBRATION

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

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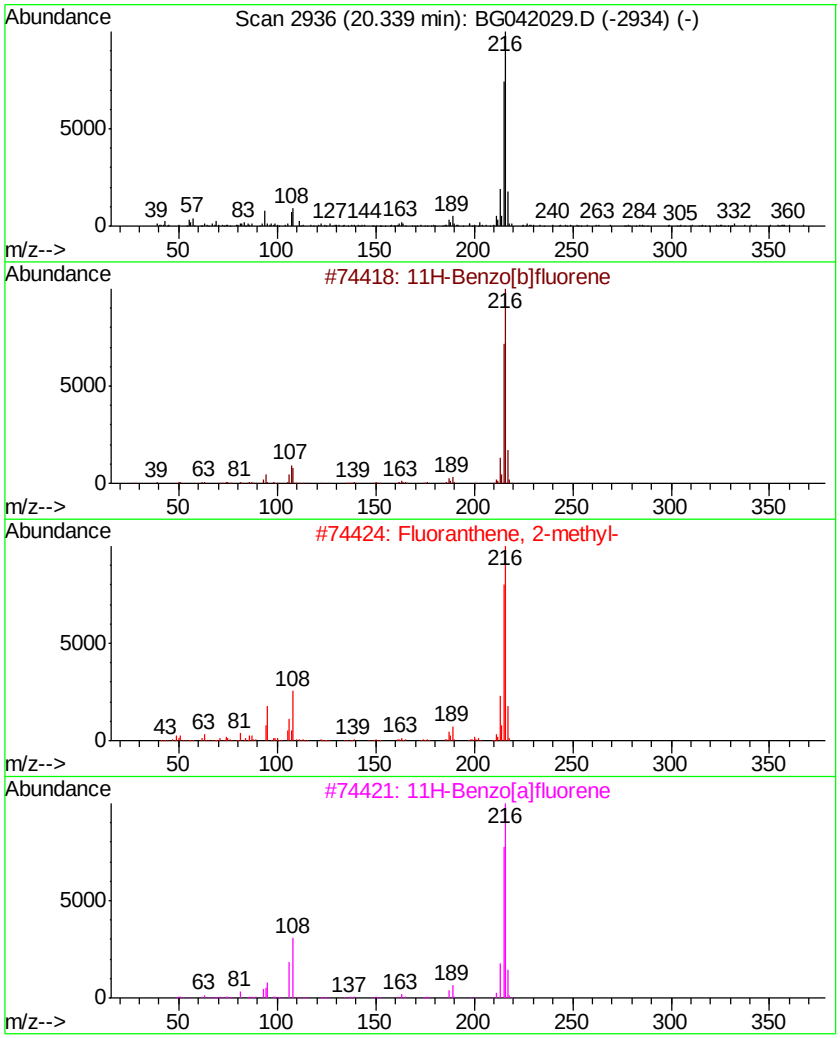
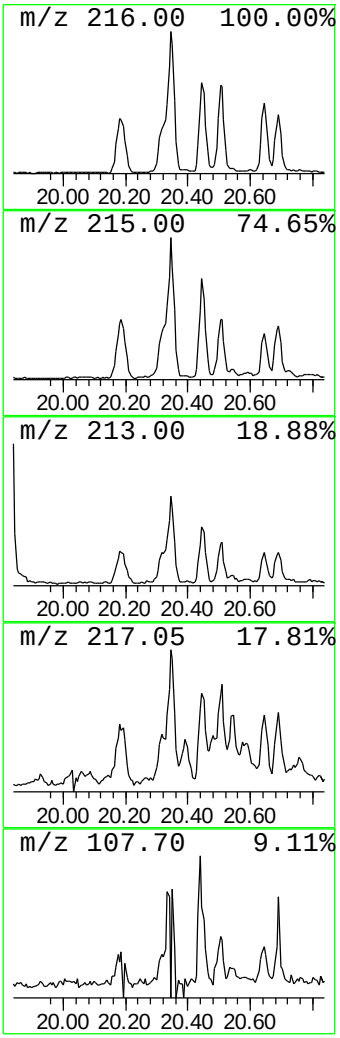
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	2.39 ng/ul	304011	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Instrument : BNA_G
ClientSampleId : BENZ2

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Quant Title : SVOA CALIBRATION

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

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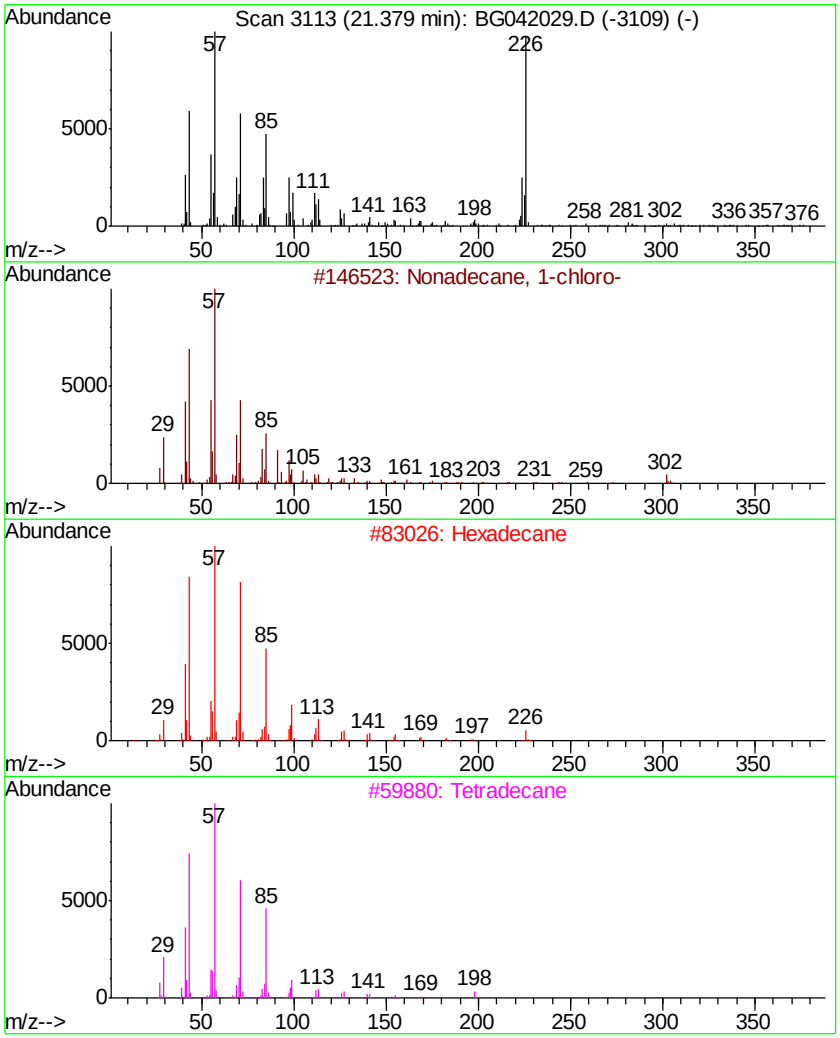
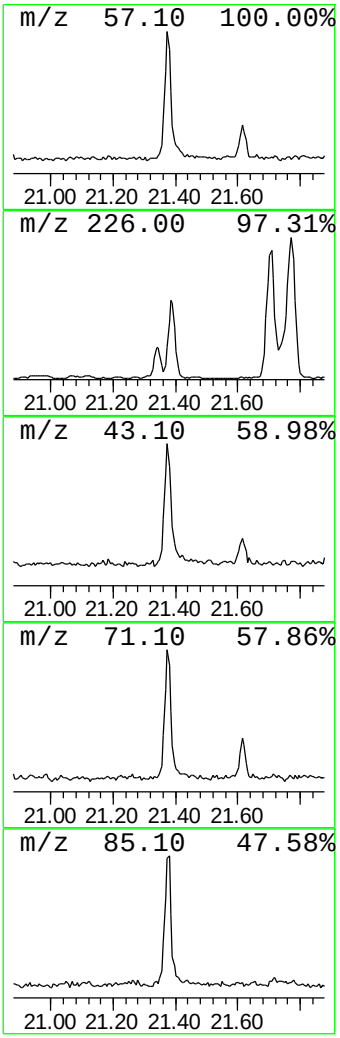
Peak Number 13 Nonadecane, 1-chloro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	3.25 ng/ul	414650	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 1-chloro-	302	C19H39Cl	062016-76-6	89
2	Hexadecane	226	C16H34	000544-76-3	64
3	Tetradecane	198	C14H30	000629-59-4	38
4	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	38
5	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	38





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ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

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Quant Title : SVOA CALIBRATION

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

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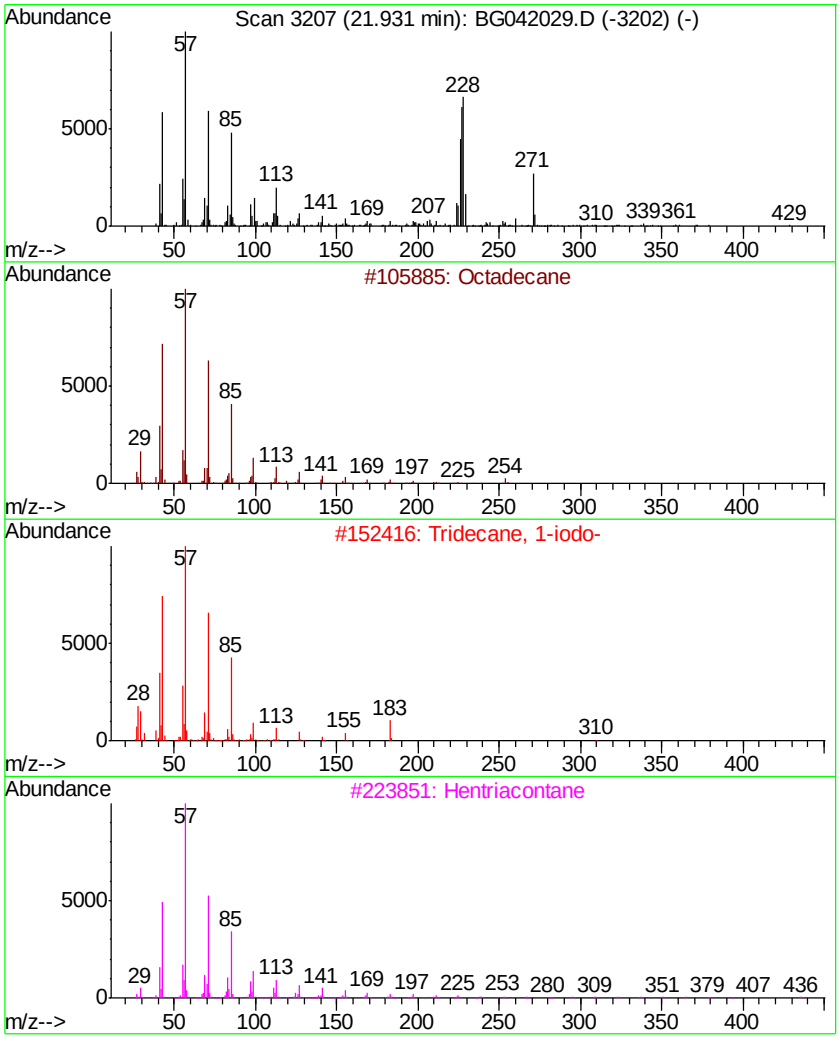
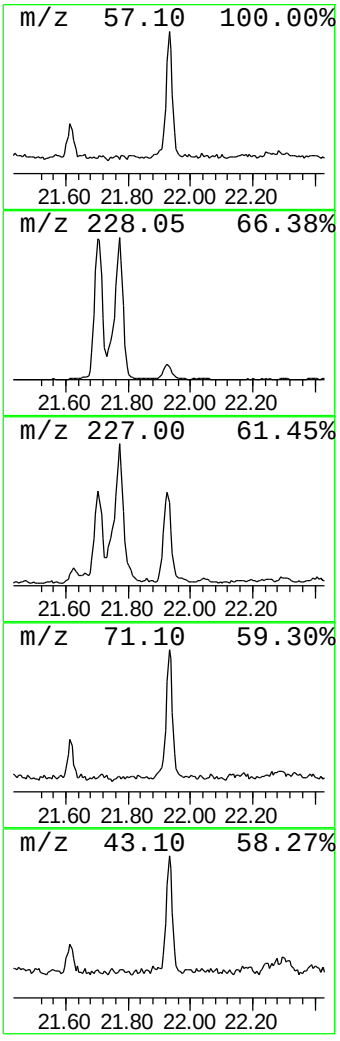
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	3.11 ng/ul	396165	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	92
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	47
3	Hentriacontane	437	C31H64	000630-04-6	38
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	38
5	Octadecane	254	C18H38	000593-45-3	38





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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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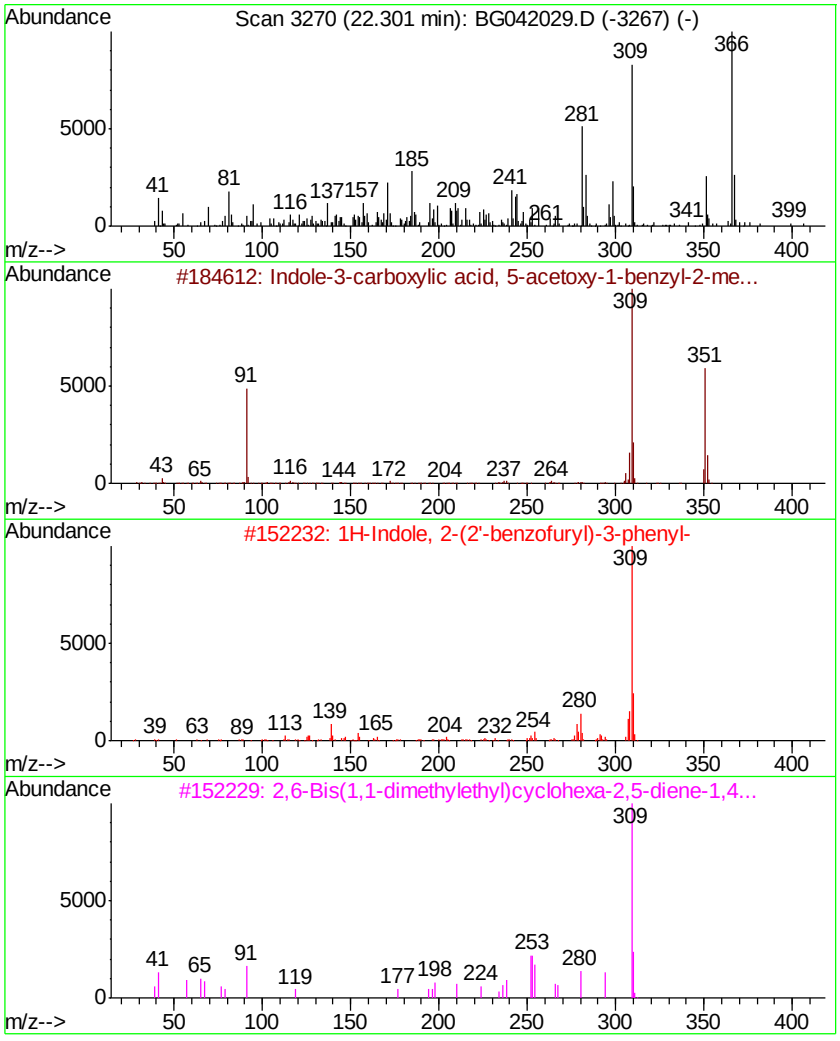
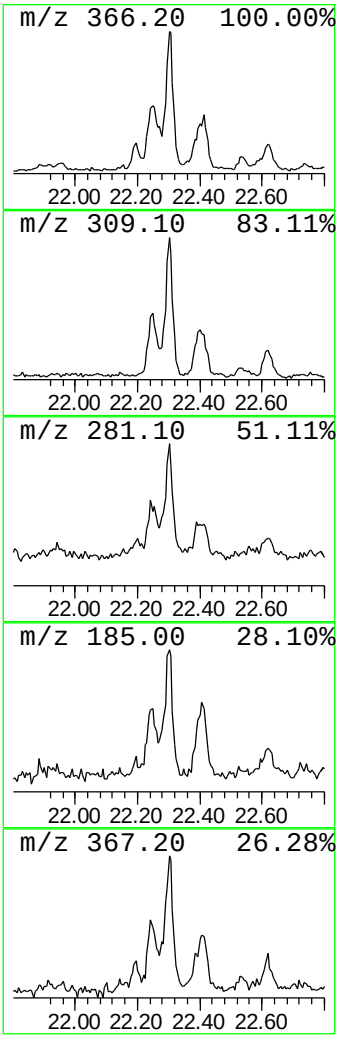
Peak Number 15 unknown-04 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.30	2.23 ng/ul	283952	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole-3-carboxylic acid, 5-acet...	351	C21H21NO4	037075-91-5	30
2	1H-Indole, 2-(2'-benzofuryl)-3-p...	309	C22H15NO	163064-84-4	18
3	2,6-Bis(1,1-dimethylethyl)cycloh...	309	C21H27NO	017118-97-7	18
4	Ferrocene, [(pentafluorophenyl)m...	366	C17H11F5Fe	055334-24-2	18
5	2'H-Androsta-2,4,6-trieno[3,2-c]...	366	C23H30N2O2	019588-27-3	18





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Data File : BG042029.D
Acq On : 7 Aug 2019 13:42
Operator : HP/JU
Sample : K4028-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

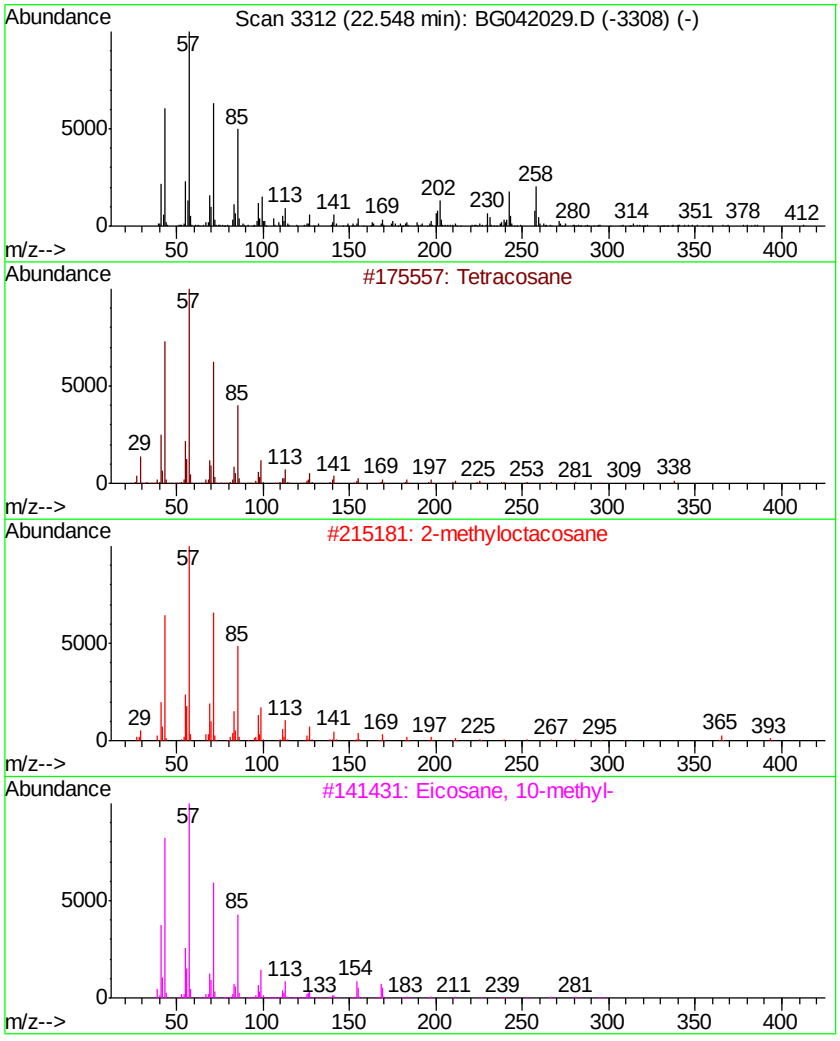
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

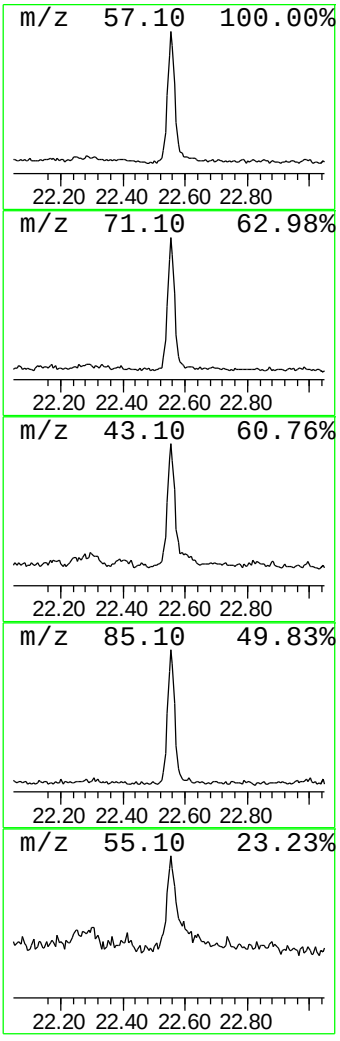
****

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.55	3.22 ng/ul	410388	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	81
2	2-methyloctacosane	408	C29H60	1000376-72-8	81
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	81
4	Octacosane	394	C28H58	000630-02-4	81
5	Heneicosane	296	C21H44	000629-94-7	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042029.D
Acq On : 7 Aug 2019 13:42
Operator : HP/JU
Sample : K4028-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

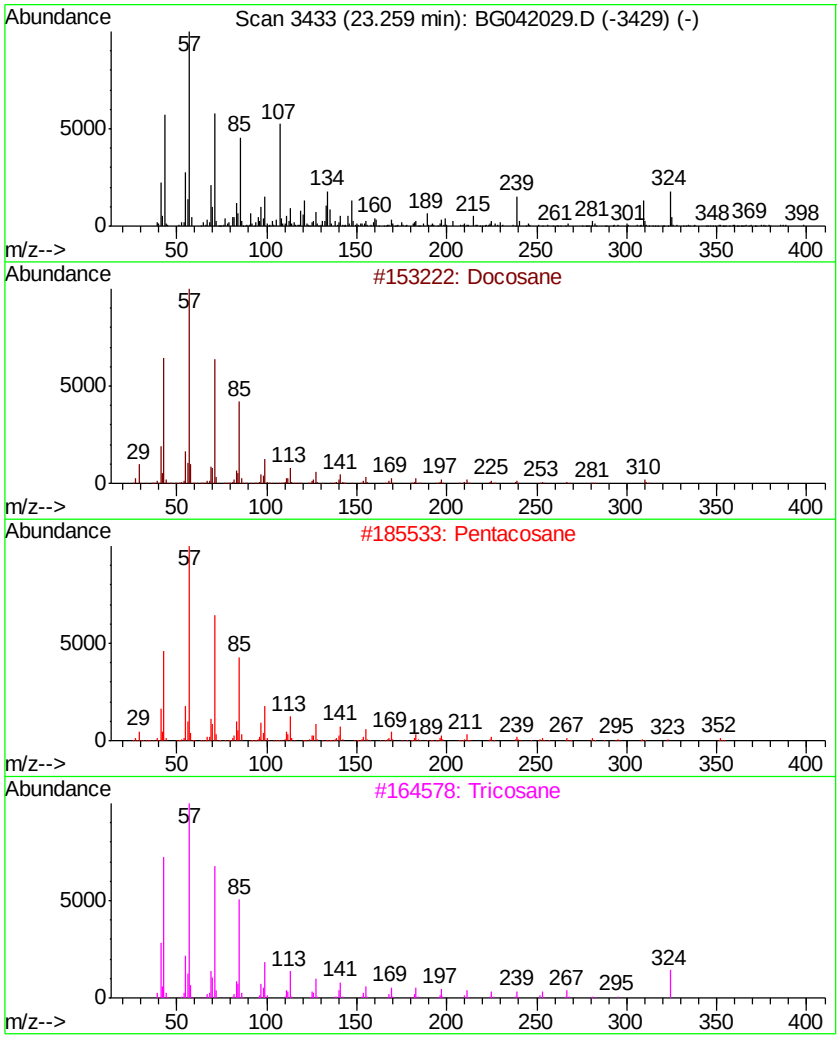
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

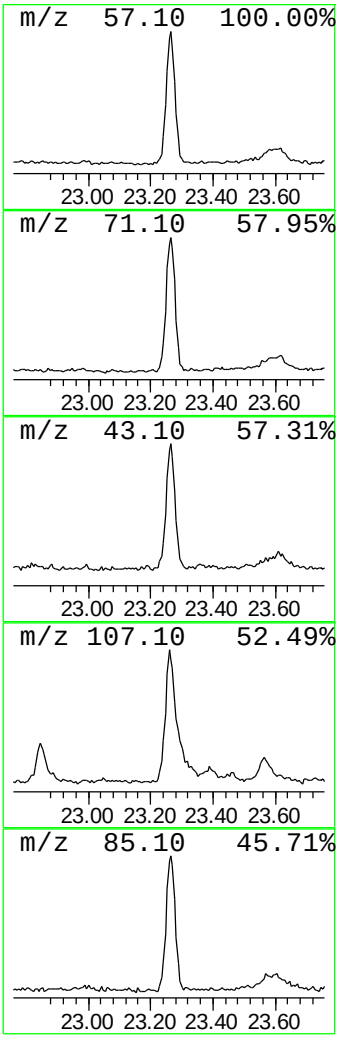
****

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.26	6.08 ng/ul	774282	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	95
2	Pentacosane	352	C25H52	000629-99-2	91
3	Tricosane	324	C23H48	000638-67-5	84
4	Docosane	310	C22H46	000629-97-0	72
5	Docosane	310	C22H46	000629-97-0	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042029.D
Acq On : 7 Aug 2019 13:42
Operator : HP/JU
Sample : K4028-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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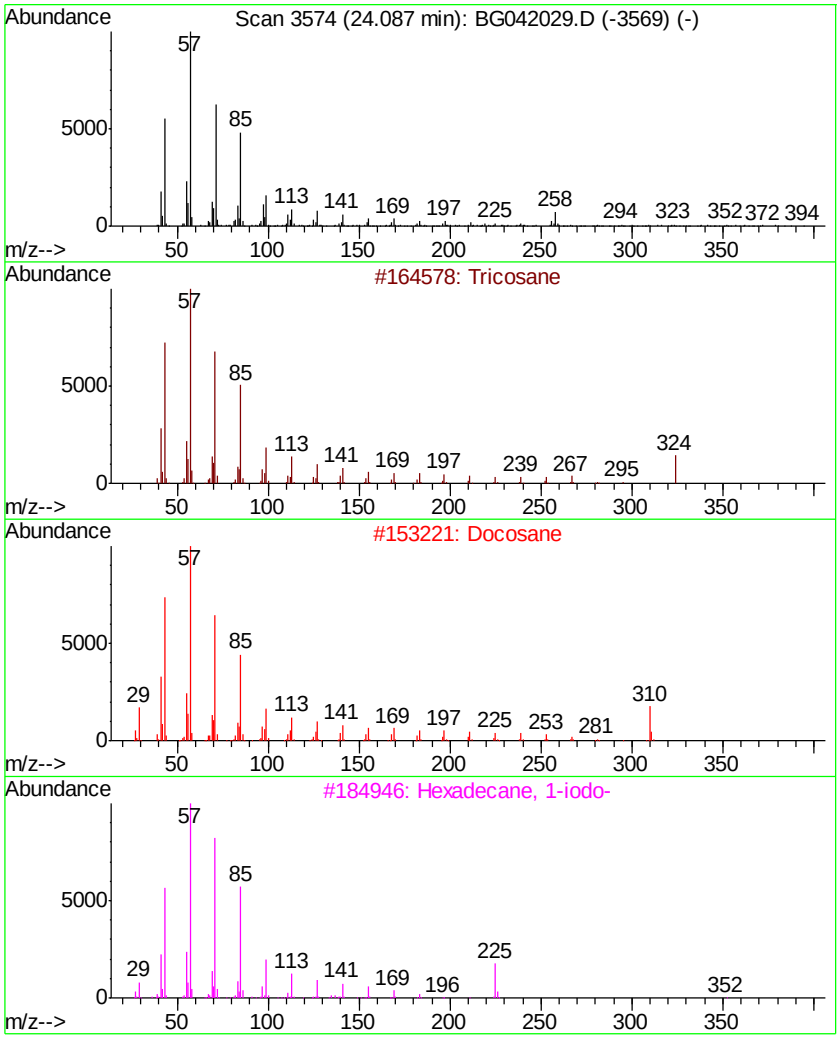
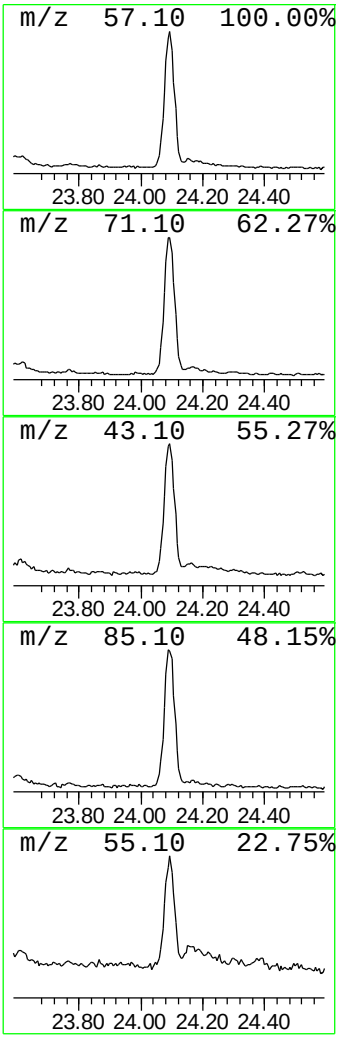
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.09	9.68 ng/ul	651492	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	97
2	Docosane	310	C22H46	000629-97-0	97
3	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	96
4	Nonacosane	408	C29H60	000630-03-5	94
5	Tricosane	324	C23H48	000638-67-5	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042029.D
Acq On : 7 Aug 2019 13:42
Operator : HP/JU
Sample : K4028-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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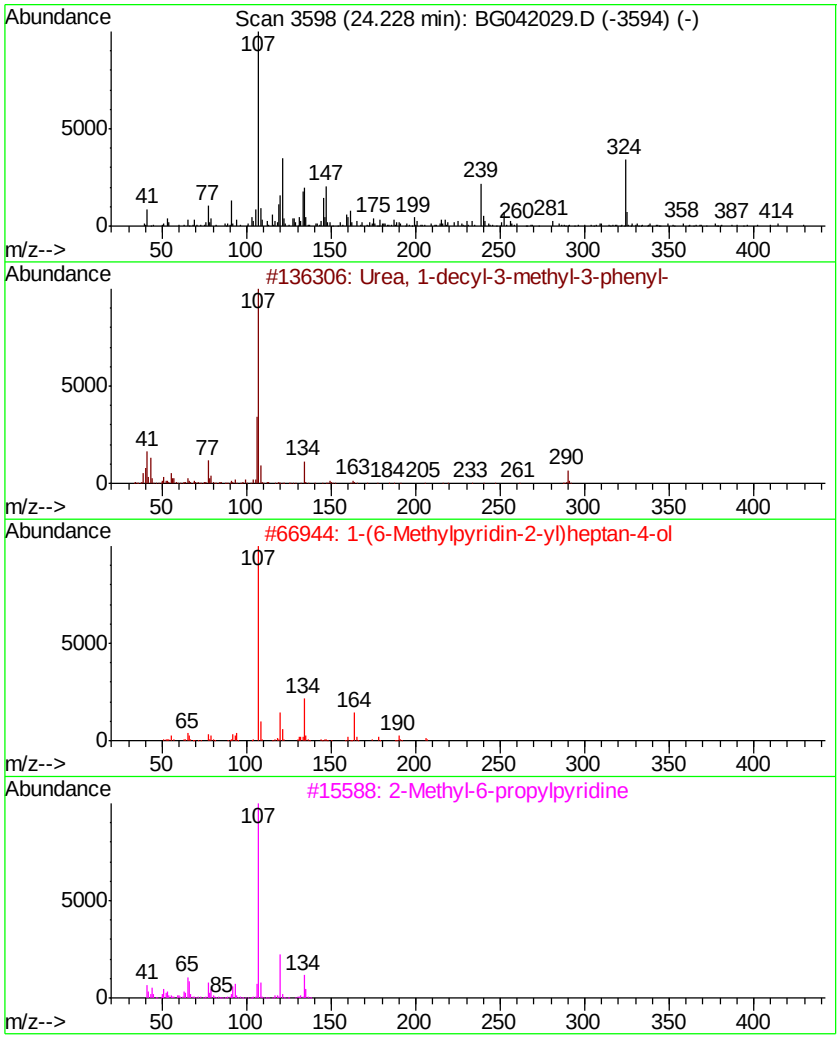
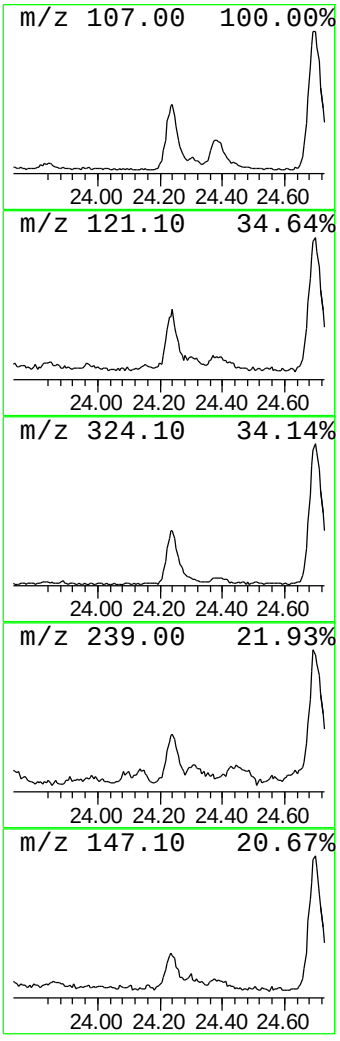
Peak Number 19 unknown-05 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.23	5.43 ng/ul	365139	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Urea, 1-decyl-3-methyl-3-phenyl-	290	C18H30N2O	1000259-29-7	43
2	1-(6-Methylpyridin-2-yl)heptan-4-ol	207	C13H21NO	1000367-16-1	43
3	2-Methyl-6-propylpyridine	135	C9H13N	005397-28-4	38
4	Benzenepropanoic acid, .alpha.,4...	182	C9H10O4	000306-23-0	38
5	2-Methyl-6-tridecylpyridine	275	C19H33N	1000111-54-0	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042029.D
Acq On : 7 Aug 2019 13:42
Operator : HP/JU
Sample : K4028-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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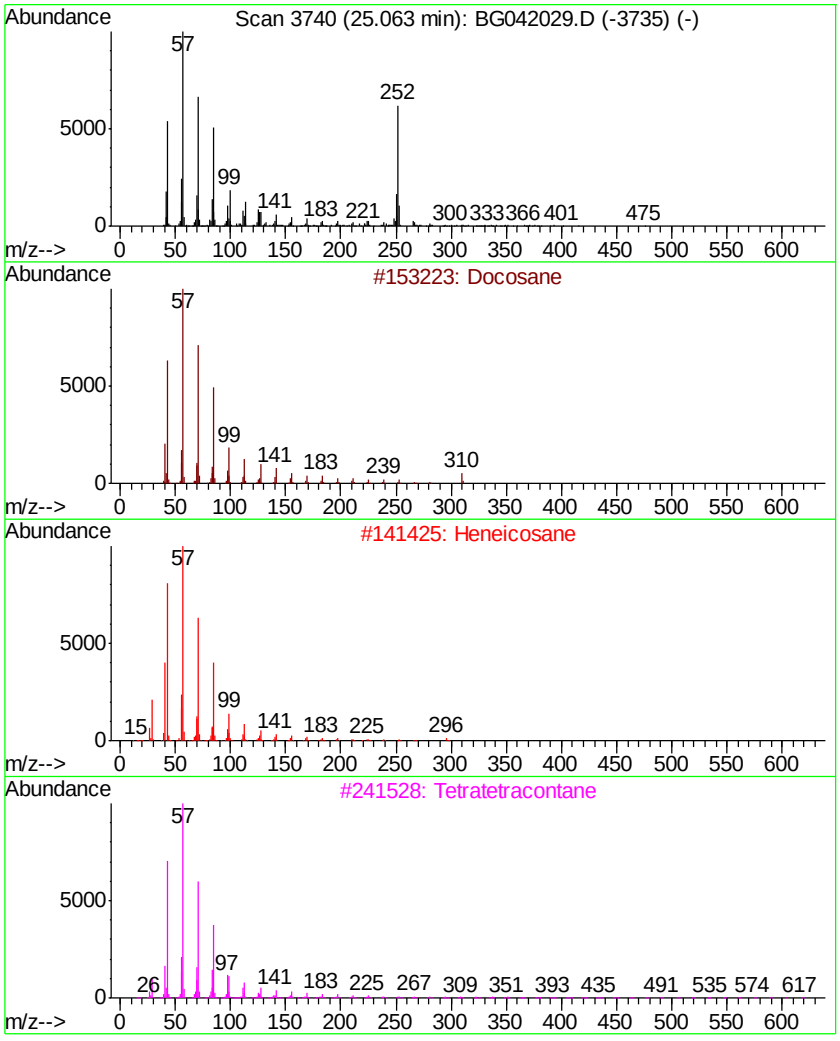
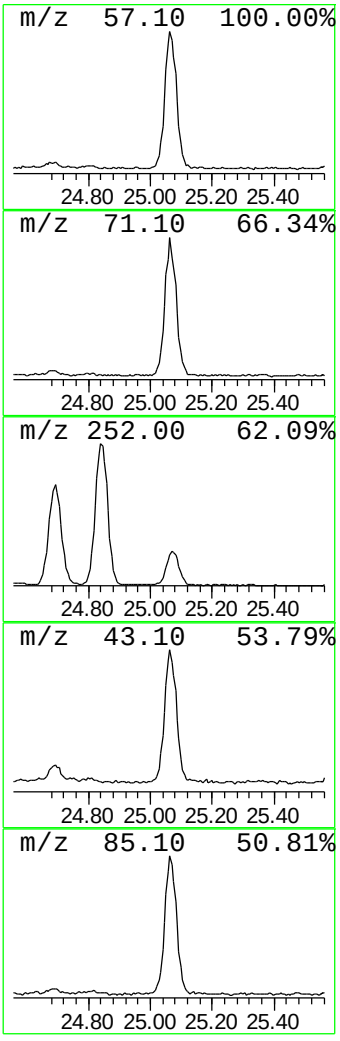
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.06	17.98 ng/ul	1209950	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	95
2	Heneicosane	296	C21H44	000629-94-7	92
3	Tetratetracontane	619	C44H90	007098-22-8	60
4	Octacosane	394	C28H58	000630-02-4	60
5	Hexacosane	366	C26H54	000630-01-3	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042029.D
Acq On : 7 Aug 2019 13:42
Operator : HP/JU
Sample : K4028-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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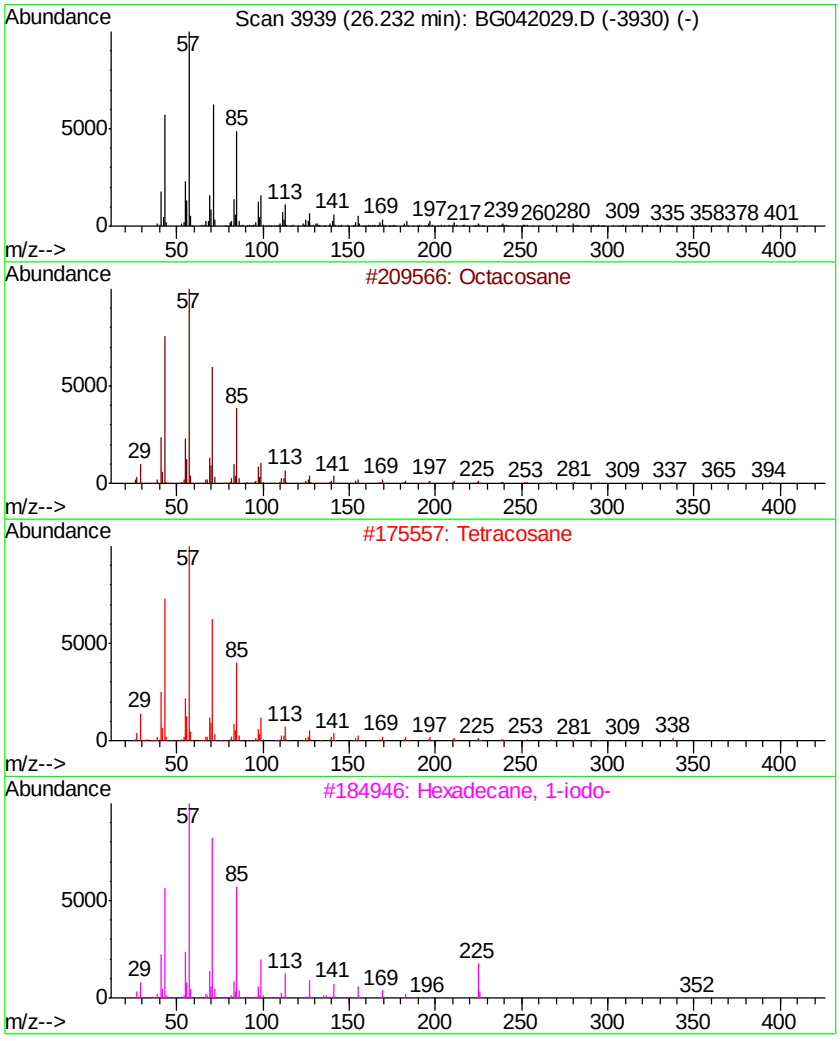
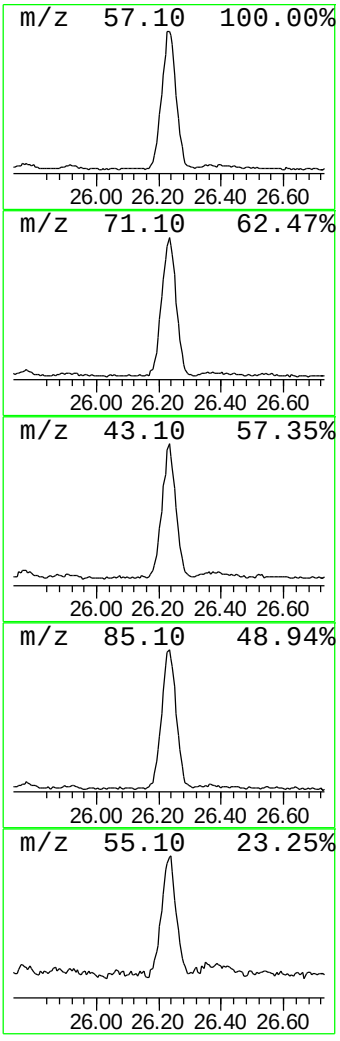
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.23	14.84 ng/ul	998695	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	97
2	Tetracosane	338	C24H50	000646-31-1	97
3	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	95
4	Eicosane	282	C20H42	000112-95-8	93
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042029.D
Acq On : 7 Aug 2019 13:42
Operator : HP/JU
Sample : K4028-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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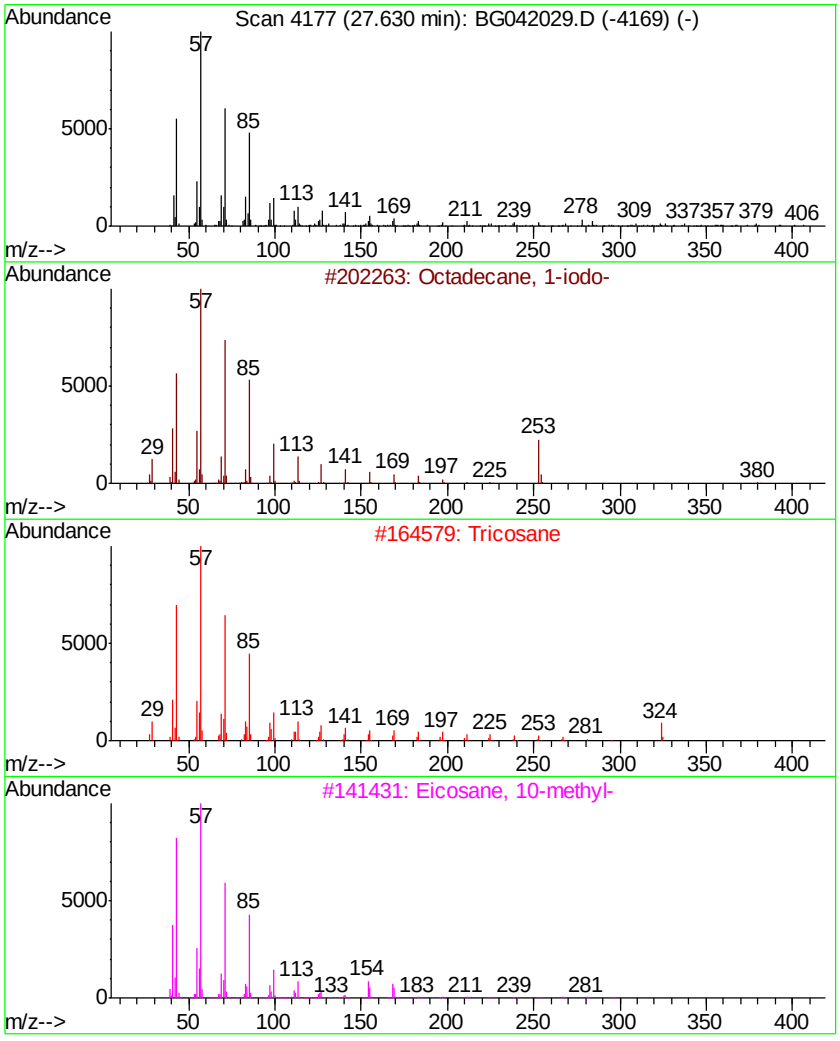
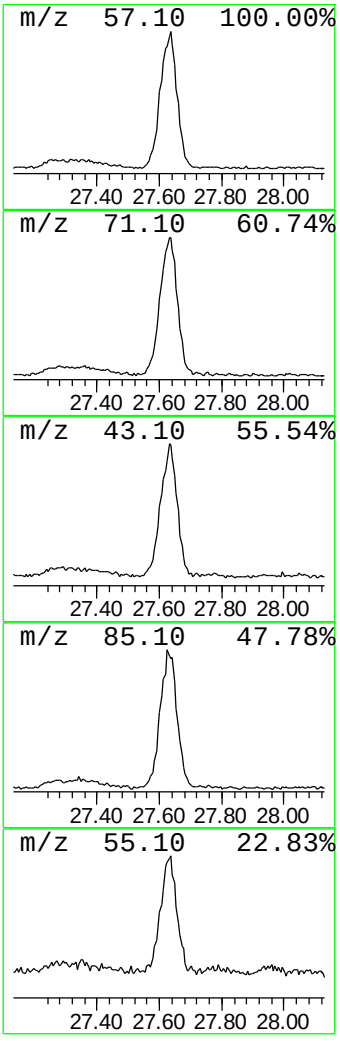
Peak Number 23 Octadecane, 1-iodo- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.63	12.37 ng/ul	832347	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	96
2	Tricosane	324	C23H48	000638-67-5	95
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
5	Pentacosane	352	C25H52	000629-99-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080619\
Data File : BG042029.D
Acq On : 7 Aug 2019 13:42
Operator : HP/JU
Sample : K4028-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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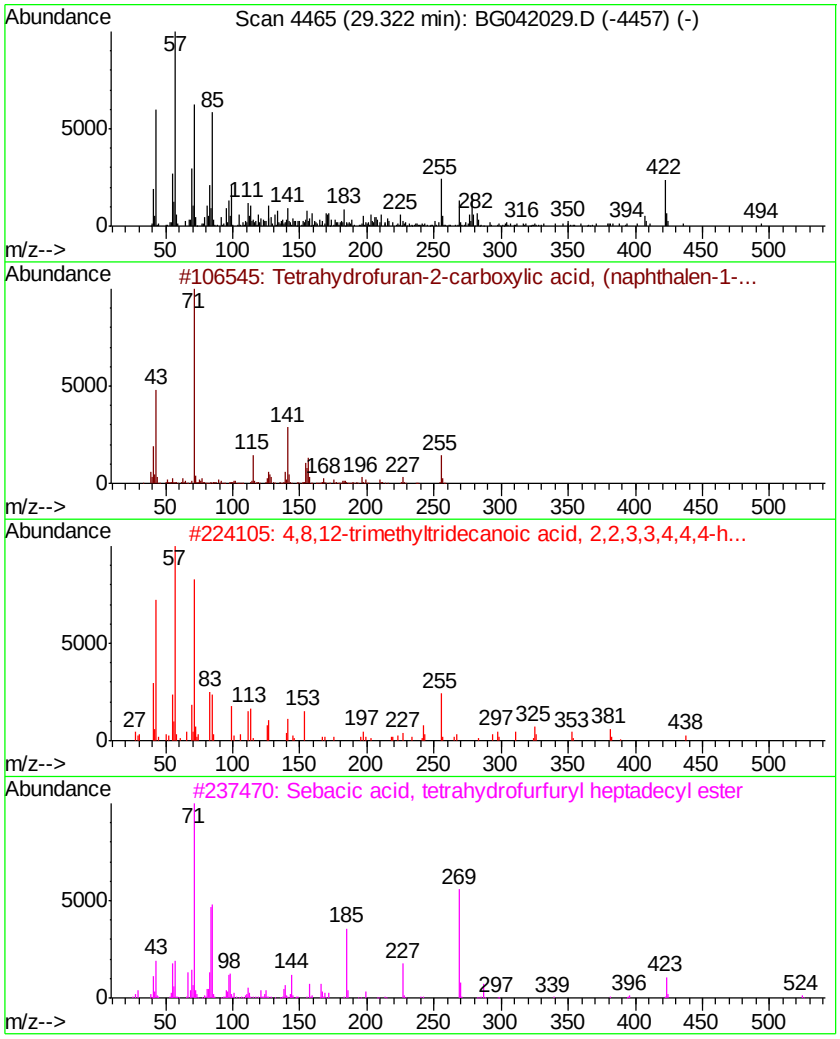
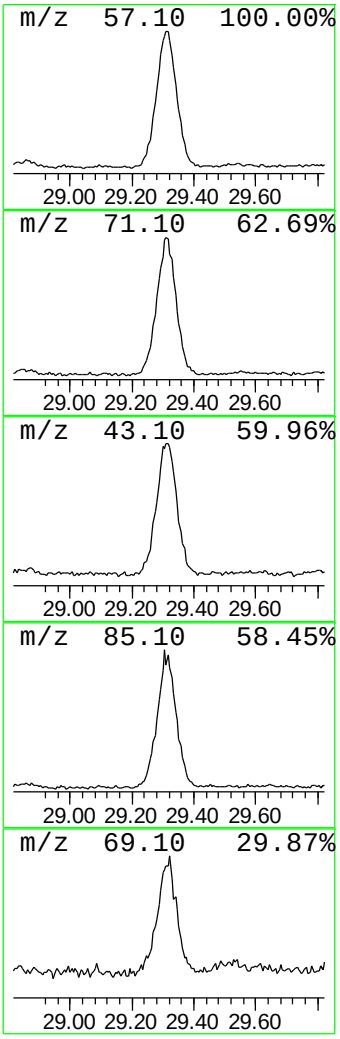
Peak Number 24 unknown-06 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.32	16.82 ng/ul	1132060	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydrofuran-2-carboxylic aci...	255	C16H17NO2	1000317-13-3	42
2	4,8,12-trimethyltridecanoic acid...	438	C20H33F7O2	1000376-66-8	32
3	Sebacic acid, tetrahydrofurfuryl...	524	C32H60O5	1000355-73-2	23
4	2-ethylbutyric acid, 2,2,3,3,4,4...	298	C10H13F7O2	1000376-64-7	16
5	2-Furanmethanamine, tetrahydro-	101	C5H11NO	004795-29-3	14





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Data File : BG042029.D
Acq On : 7 Aug 2019 13:42
Operator : HP/JU
Sample : K4028-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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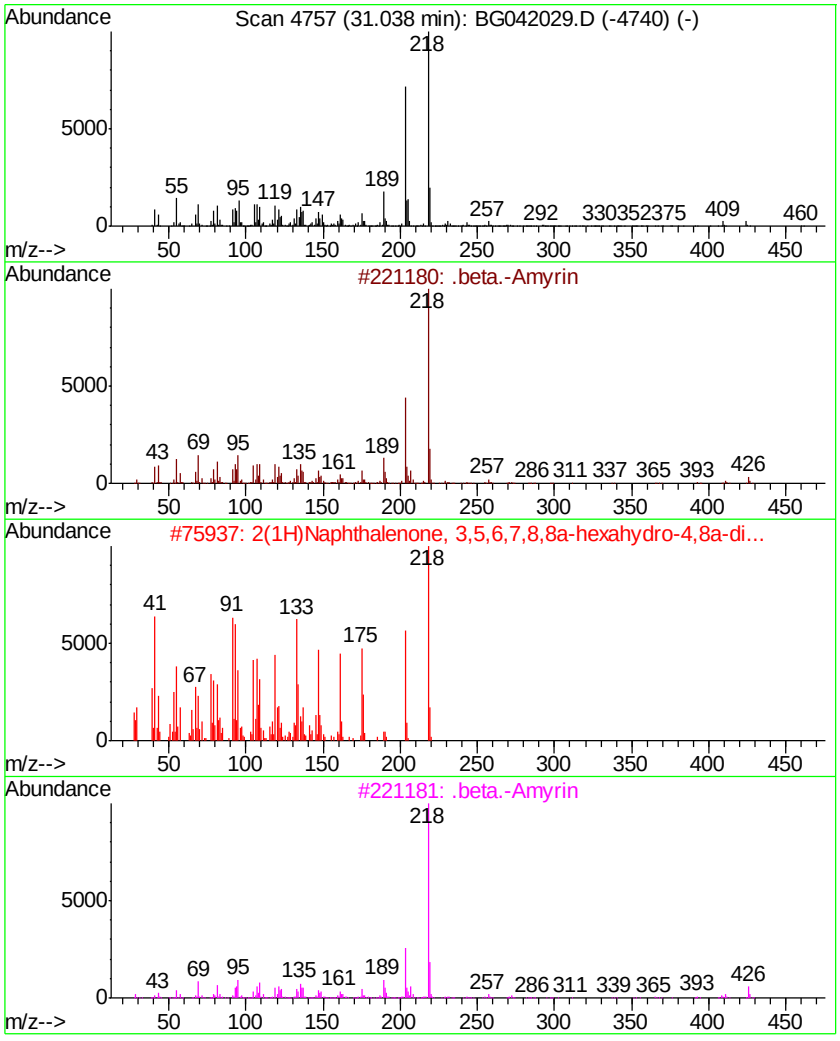
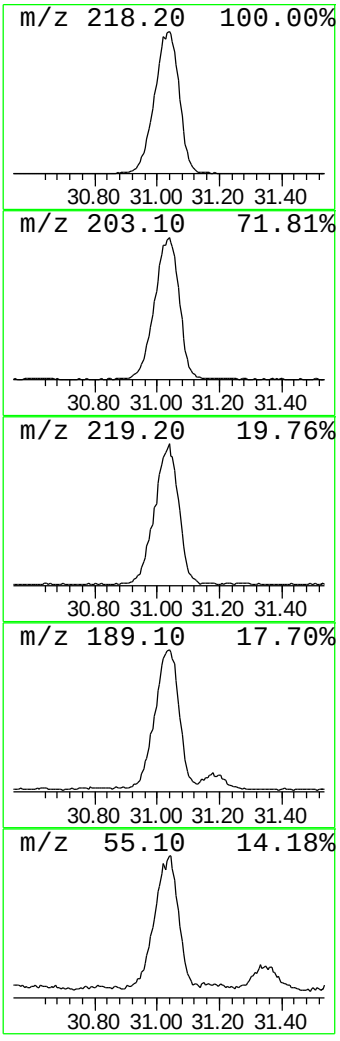
Peak Number 25 .beta.-Amyrin Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.04	94.52 ng/ul	6359610	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Amyrin	426	C30H50O	000559-70-6	91
2	2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	81
3	.beta.-Amyrin	426	C30H50O	000559-70-6	64
4	.beta.-Amyrin trimethylsilyl ether	498	C33H58OSi	001721-67-1	64
5	.beta.-Amyrin trimethylsilyl ether	498	C33H58OSi	001721-67-1	64





Tentatively Identified Compound (LSC) summary

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Data File : BG042029.D
Acq On : 7 Aug 2019 13:42
Operator : HP/JU
Sample : K4028-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENZ2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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
Butane, 2-methoxy...	3.15	108.0	ng/ul	2237170	1	8.02	414490	20.0
unknown-01	16.41	3.5	ng/ul	208351	4	17.44	1201840	20.0
1H-Pyrrolo[2,3-b]...	16.53	4.1	ng/ul	248374	4	17.44	1201840	20.0
unknown-02	17.72	2.4	ng/ul	142185	4	17.44	1201840	20.0
Benzamide, 4-amin...	18.10	3.6	ng/ul	219422	4	17.44	1201840	20.0
unknown-03	18.22	2.5	ng/ul	151944	4	17.44	1201840	20.0
n-Hexadecanoic acid	18.33	6.5	ng/ul	389498	4	17.44	1201840	20.0
1H-Cyclopropa[l]p...	18.36	2.5	ng/ul	147599	4	17.44	1201840	20.0
4H-Cyclopenta[def...	18.51	5.8	ng/ul	350840	4	17.44	1201840	20.0
9,10-Anthracenedione	18.85	3.1	ng/ul	184754	4	17.44	1201840	20.0
Cyclopenta(def)ph...	19.37	2.5	ng/ul	150155	4	17.44	1201840	20.0
11H-Benzo[b]fluorene	20.34	2.4	ng/ul	304011	5	21.73	2549070	20.0
Nonadecane, 1-chl...	21.38	3.3	ng/ul	414650	5	21.73	2549070	20.0
(DEL) Alkane: Str...	21.93	3.1	ng/ul	396165	5	21.73	2549070	20.0
unknown-04	22.30	2.2	ng/ul	283952	5	21.73	2549070	20.0
(DEL) Alkane: Str...	22.55	3.2	ng/ul	410388	5	21.73	2549070	20.0
(DEL) Alkane: Str...	23.26	6.1	ng/ul	774282	5	21.73	2549070	20.0
(DEL) Alkane: Str...	24.09	9.7	ng/ul	651492	6	24.99	1345720	20.0
unknown-05	24.23	5.4	ng/ul	365139	6	24.99	1345720	20.0
(DEL) Alkane: Str...	25.06	18.0	ng/ul	1209950	6	24.99	1345720	20.0
(DEL) Alkane: Str...	26.23	14.8	ng/ul	998695	6	24.99	1345720	20.0
Octadecane, 1-iodo-	27.63	12.4	ng/ul	832347	6	24.99	1345720	20.0
unknown-06	29.32	16.8	ng/ul	1132060	6	24.99	1345720	20.0
.beta.-Amyrin	31.04	94.5	ng/ul	6359610	6	24.99	1345720	20.0