LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071618\
Data File : BG035668.D
Acq On : 16 Jul 2018 14:01
Operator : JU/SJ
Sample : J3959-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG071218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.263	158	166	175	rBV	292084	464501	5.98%	0.657%
2	5.174	313	321	327	rVB	64329	107569	1.38%	0.152%
3	5.638	393	400	409	rBV	859468	1361824	17.53%	1.927%
4	7.224	661	670	682	rBV	616246	1156428	14.88%	1.636%
5	7.594	725	733	739	rBV	1381341	2375270	30.57%	3.361%
6	8.058	805	812	818	rBV2	242472	415209	5.34%	0.587%
7	8.381	859	867	876	rVB	1115046	1985246	25.55%	2.809%
8	9.221	1002	1010	1020	rBV	965177	1766363	22.73%	2.499%
9	9.491	1051	1056	1073	rVB4	85789	216517	2.79%	0.306%
10	9.885	1113	1123	1132	rBV10	27520	87635	1.13%	0.124%
11	10.602	1238	1245	1250	rBV8	31052	88651	1.14%	0.125%
12	10.860	1282	1289	1295	rBV	347340	651820	8.39%	0.922%
13	11.036	1311	1319	1331	rBV9	77659	228978	2.95%	0.324%
14	11.453	1385	1390	1397	rVB3	43386	94023	1.21%	0.133%
15	11.624	1414	1419	1427	rBV6	46561	104521	1.35%	0.148%
16	11.747	1437	1440	1449	rVB9	52760	103098	1.33%	0.146%
17	12.105	1495	1501	1506	rBV5	43962	95043	1.22%	0.134%
18	12.205	1514	1518	1527	rVB7	46479	119904	1.54%	0.170%
19	12.470	1553	1563	1567	rBV6	94520	237354	3.05%	0.336%
20	12.523	1568	1572	1577	rVB5	63280	121718	1.57%	0.172%
21	12.581	1577	1582	1589	rBV6	81229	166178	2.14%	0.235%
22	12.652	1589	1594	1598	rBV7	56009	110825	1.43%	0.157%
23	12.840	1621	1626	1633	rVB7	101306	192233	2.47%	0.272%
24	13.034	1651	1659	1669	rVB7	80623	319358	4.11%	0.452%
25	13.304	1699	1705	1711	rBV	2532195	3840569	49.43%	5.434%
26	13.568	1746	1750	1757	rVB2	240176	390130	5.02%	0.552%
27	13.833	1790	1795	1800	rBV8	86639	168064	2.16%	0.238%
28	13.880	1800	1803	1806	rVB4	64410	84495	1.09%	0.120%
29	13.956	1812	1816	1827	rBV8	131633	249610	3.21%	0.353%
30	14.120	1841	1844	1855	rVB	218664	410192	5.28%	0.580%
31	14.208	1855	1859	1863	rBV5	71574	122698	1.58%	0.174%
32	14.420	1887	1895	1897	rBV8	112330	246805	3.18%	0.349%
33	14.678	1934	1939	1944	rBV	480162	783966	10.09%	1.109%
34	14.755	1948	1952	1958	rVB2	247060	403115	5.19%	0.570%

LSC Area Percent Report

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Data File : BG035668.D
Acq On : 16 Jul 2018 14:01
Operator : JU/SJ
Sample : J3959-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG071218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.190	2022	2026	2031	rBV4	132129	200859	2.59%	0.284%
36	15.419	2062	2065	2070	rVB	110886	127122	1.64%	0.180%
37	15.742	2116	2120	2127	rBV4	154989	259817	3.34%	0.368%
38	16.171	2186	2193	2198	rBV	1905800	3108559	40.01%	4.398%
39	16.312	2214	2217	2221	rVB4	109766	142347	1.83%	0.201%
40	16.793	2296	2299	2305	rBV7	101118	148121	1.91%	0.210%
41	16.946	2323	2325	2331	rVB6	103734	130511	1.68%	0.185%
42	17.105	2349	2352	2356	rVB	291363	336673	4.33%	0.476%
43	17.422	2401	2406	2413	rVB2	666313	1010579	13.01%	1.430%
44	17.616	2433	2439	2448	rBV2	429233	733610	9.44%	1.038%
45	17.751	2459	2462	2468	rVB	182850	255581	3.29%	0.362%
46	17.898	2483	2487	2497	rVB	412005	651732	8.39%	0.922%
47	18.315	2554	2558	2566	rBV	540743	816014	10.50%	1.155%
48	18.391	2566	2571	2583	rVB	1145907	1662615	21.40%	2.353%
49	18.967	2665	2669	2675	rBV	177484	265462	3.42%	0.376%
50	19.401	2737	2743	2748	rBV	2520587	3763164	48.43%	5.325%
51	19.531	2762	2765	2769	rVV	188767	216174	2.78%	0.306%
52	19.584	2770	2774	2780	rVV	456844	604351	7.78%	0.855%
53	19.648	2781	2785	2791	rVV	500565	634205	8.16%	0.897%
54	19.707	2792	2795	2799	rVB	220222	250117	3.22%	0.354%
55	20.030	2844	2850	2866	rBV2	3982494	7769865	100.00%	10.994%
56	20.829	2980	2986	3004	rVV	1481446	2520272	32.44%	3.566%
57	20.958	3004	3008	3013	rVB2	181369	251425	3.24%	0.356%
58	21.064	3021	3026	3029	rBV	461495	667142	8.59%	0.944%
59	21.105	3029	3033	3037	rVB	378168	482391	6.21%	0.683%
60	21.328	3067	3071	3077	rVB2	145995	212807	2.74%	0.301%
61	21.446	3085	3091	3102	rBV	2570422	3898914	50.18%	5.517%
62	21.687	3126	3132	3143	rVB2	751526	1252240	16.12%	1.772%
63	21.869	3159	3163	3168	rVB2	113808	149270	1.92%	0.211%
64	22.345	3241	3244	3255	rVB3	85100	162672	2.09%	0.230%
65	22.480	3262	3267	3277	rBV2	162041	311107	4.00%	0.440%
66	22.621	3286	3291	3295	rBV2	222298	396681	5.11%	0.561%
67	22.662	3295	3298	3306	rVB	279380	482679	6.21%	0.683%
68	23.143	3371	3380	3403	rBV	2284637	5397301	69.46%	7.637%
69	23.972	3516	3521	3530	rVB2	114953	235624	3.03%	0.333%
70	24.841	3662	3669	3672	rBV5	106650	248248	3.20%	0.351%
71	24.912	3673	3681	3697	rVB2	562681	1780414	22.91%	2.519%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071618\
Data File : BG035668.D
Acq On : 16 Jul 2018 14:01
Operator : JU/SJ
Sample : J3959-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG071218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	25.658	3795	3808	3832	rBV	1566818	5324391	68.53%	7.534%
73	26.040	3867	3873	3884	rVB3	78208	214676	2.76%	0.304%
74	29.682	4470	4493	4514	rBV3	792934	4328232	55.71%	6.124%

Sum of corrected areas: 70673874

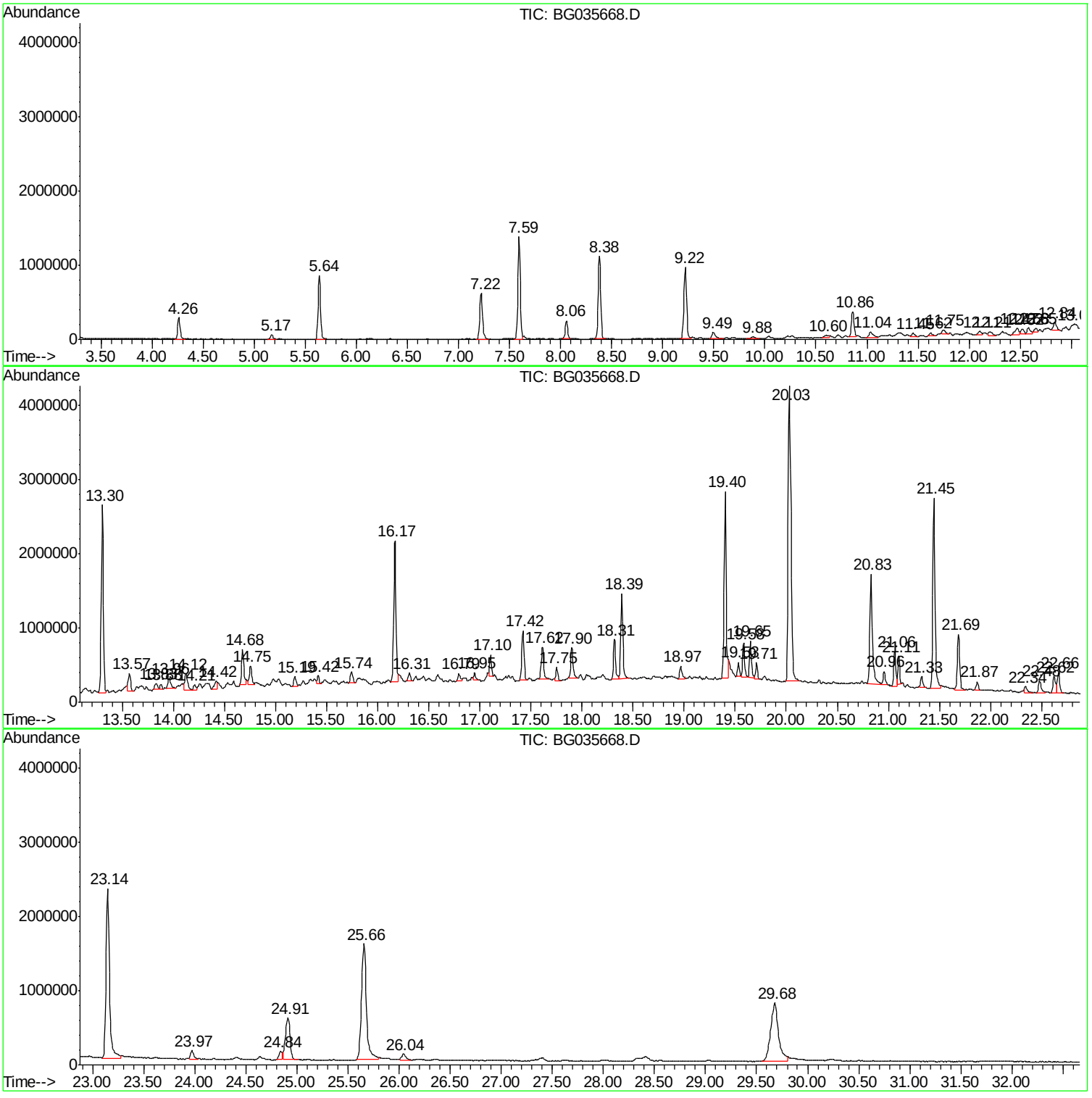
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071618\
Data File : BG035668.D
Acq On : 16 Jul 2018 14:01
Operator : JU/SJ
Sample : J3959-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071618\
Data File : BG035668.D
Acq On : 16 Jul 2018 14:01
Operator : JU/SJ
Sample : J3959-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

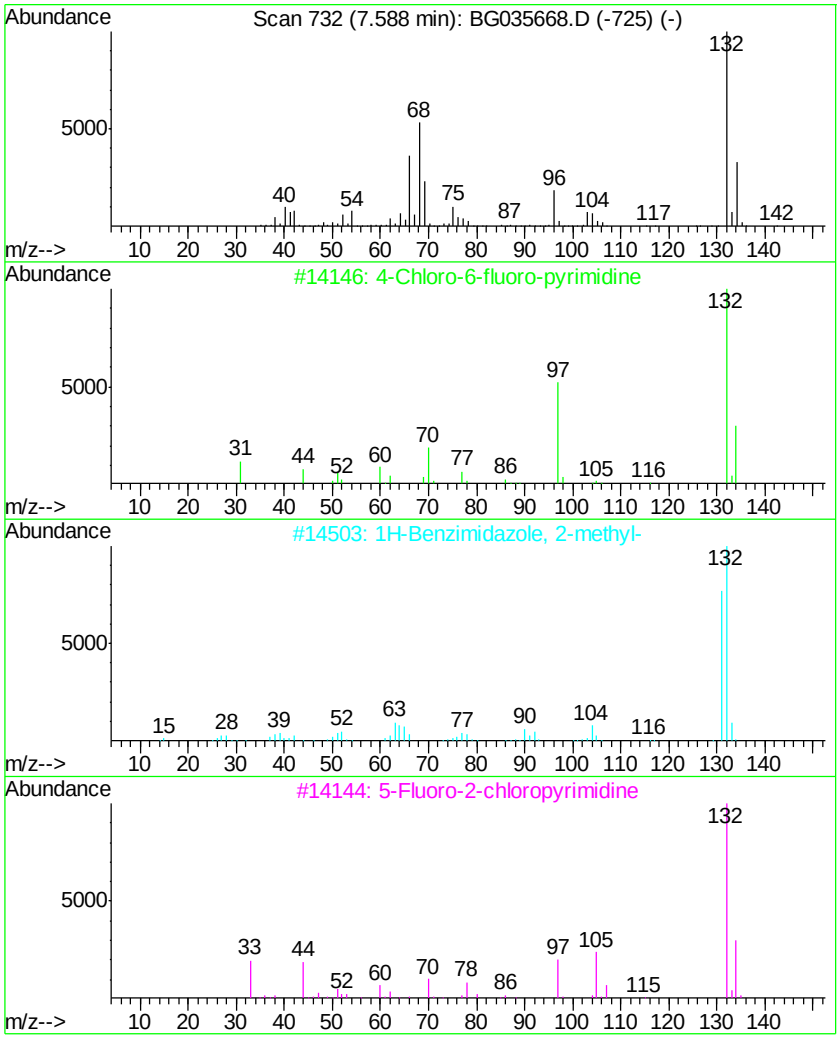
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

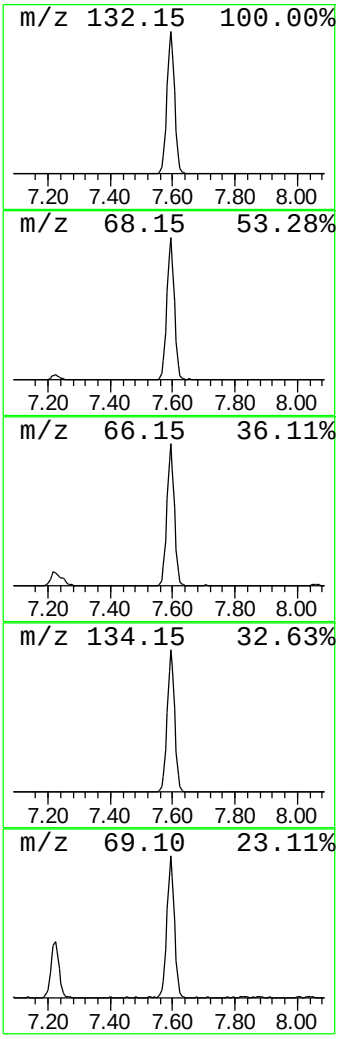
****

Peak Number 2 unknown7.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	114.41 ng	2375270	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	12
5	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10





Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071618\
Data File : BG035668.D
Acq On : 16 Jul 2018 14:01
Operator : JU/SJ
Sample : J3959-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

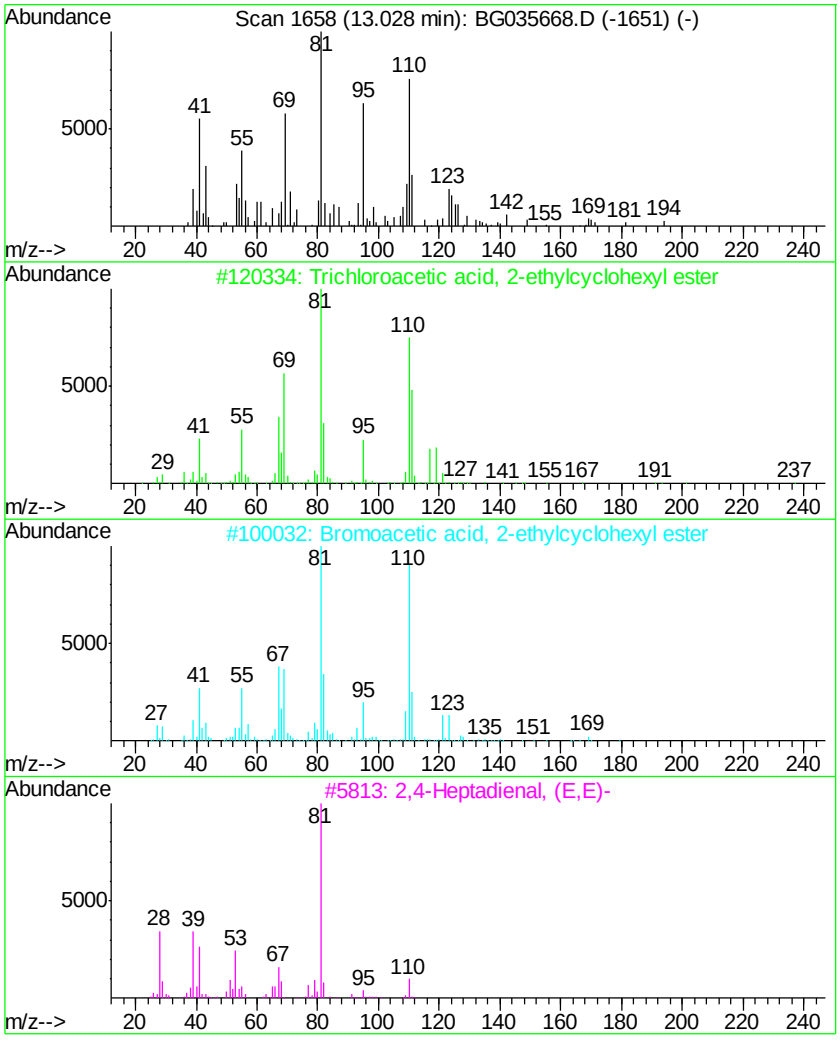
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

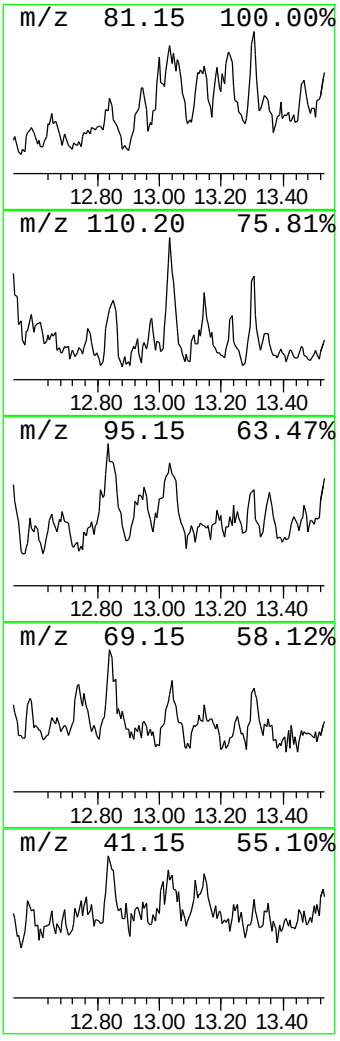
****

Peak Number 4 Trichloroacetic acid, 2-eth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	8.15 ng	319358	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, 2-ethylcyc...	272	C10H15Cl3O2	1000282-57-3	59
2	Bromoacetic acid, 2-ethylcyclohe...	248	C10H17BrO2	1000282-66-9	50
3	2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	47
4	1-Ethyl-2-trifluoroacetoxycycloh...	224	C10H15F3O2	1000216-64-1	42
5	5-Bromopentanoic acid, 2-ethylcy...	290	C13H23BrO2	1000293-35-6	40





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071618\
Data File : BG035668.D
Acq On : 16 Jul 2018 14:01
Operator : JU/SJ
Sample : J3959-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

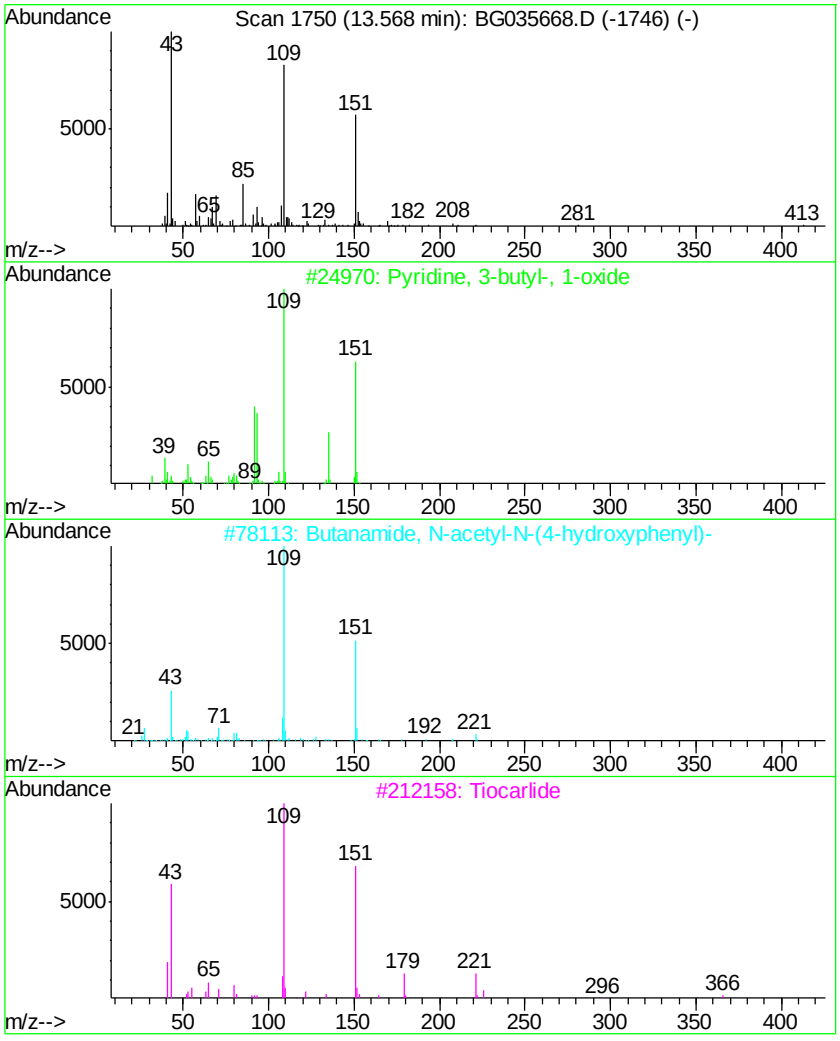
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

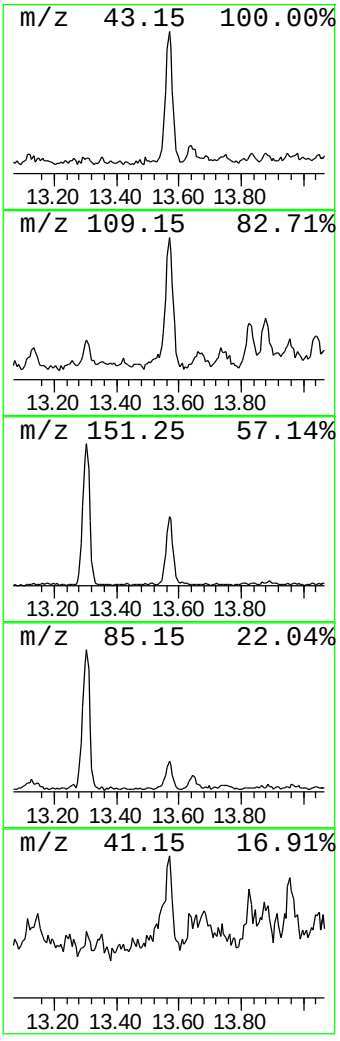
****

Peak Number 5 Pyridine, 3-butyl-, 1-oxide Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	9.95 ng	390130	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 3-butyl-, 1-oxide	151	C9H13NO	031396-33-5	59
2	Butanamide, N-acetyl-N-(4-hydrox...	221	C12H15NO3	1000107-08-7	45
3	Tiocarlide	400	C23H32N2O2S	000910-86-1	45
4	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	40
5	2,5-Dimethylhex-5-en-3-yn-2-ol	124	C8H12O	1000302-74-9	32





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071618\
Data File : BG035668.D
Acq On : 16 Jul 2018 14:01
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Misc :
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Instrument : BNA_G
ClientSampleId : WC-20180712

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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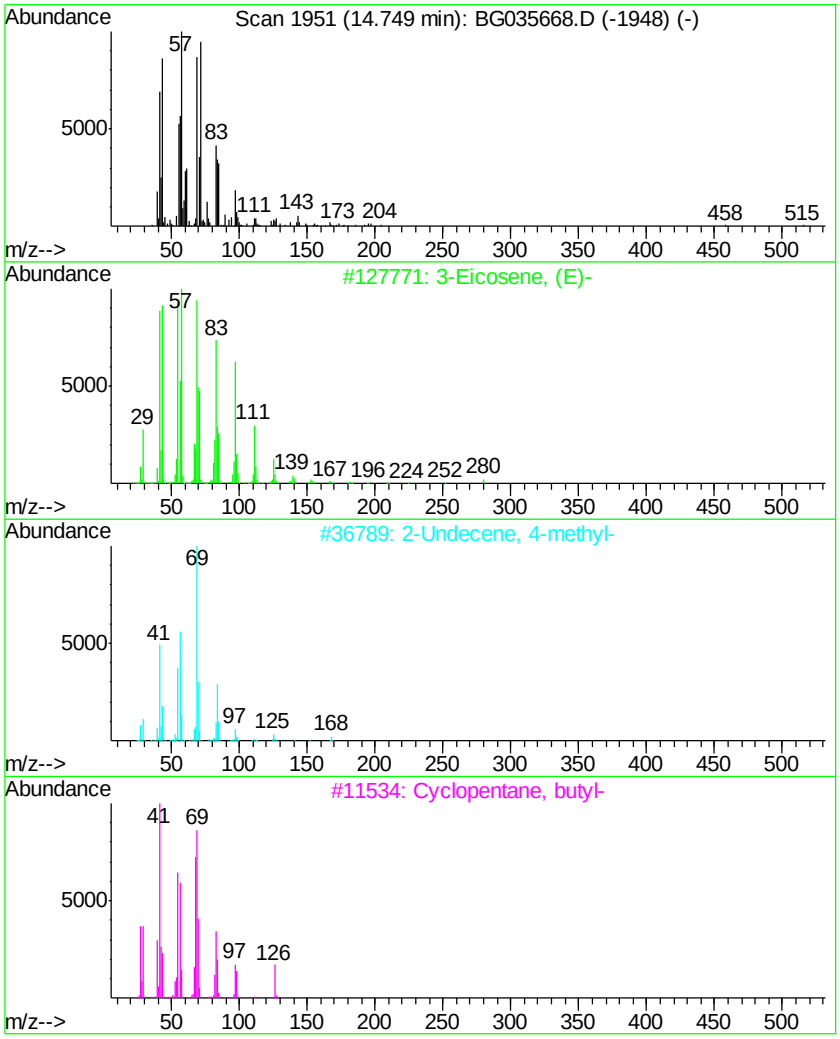
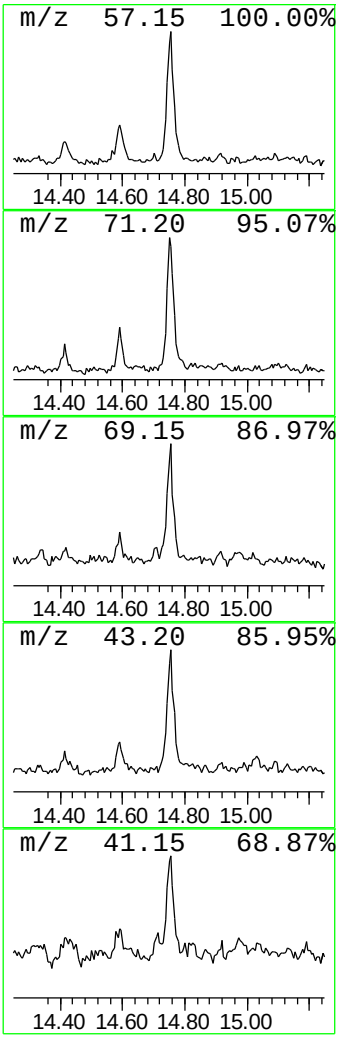
Peak Number 6 unknown14.75 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	10.28 ng	403115	Acenaphthene-d10	14.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	47
2	2-Undecene, 4-methyl-	168	C12H24	091695-32-8	43
3	Cyclopentane, butyl-	126	C9H18	002040-95-1	38
4	Silane, trichlorodocosyl-	442	C22H45Cl3Si	007325-84-0	27
5	1-Octadecene	252	C18H36	000112-88-9	27





Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071618\
Data File : BG035668.D
Acq On : 16 Jul 2018 14:01
Operator : JU/SJ
Sample : J3959-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

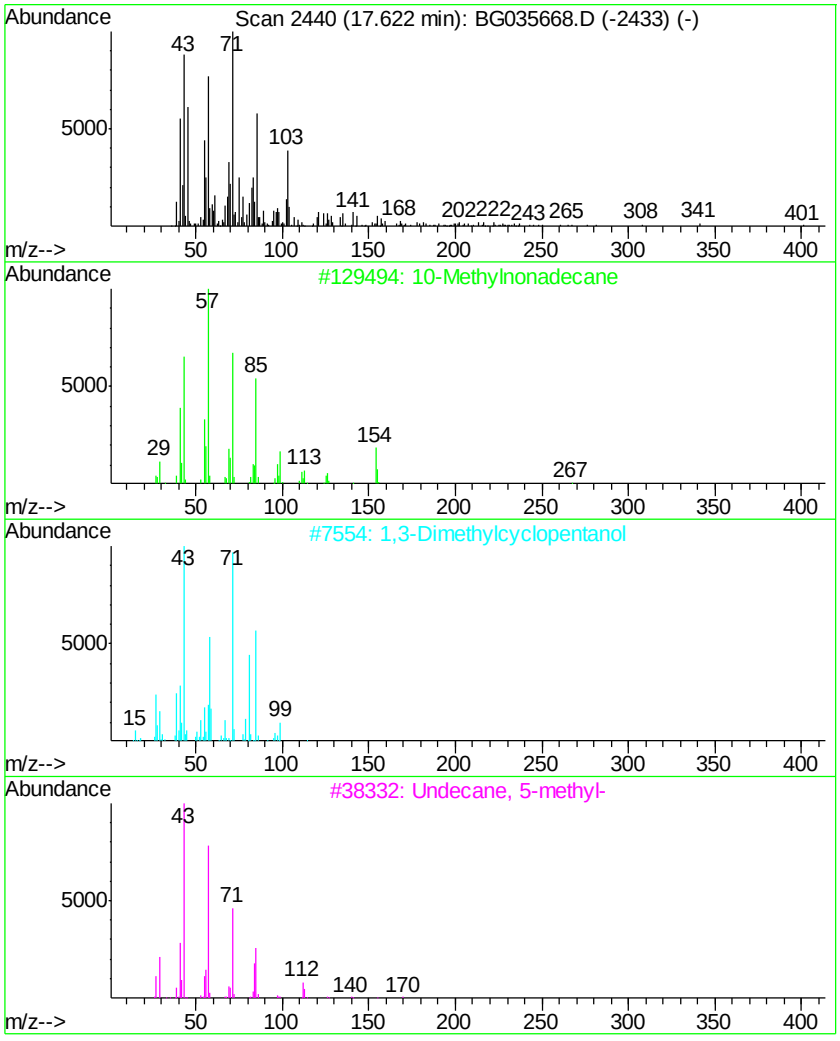
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

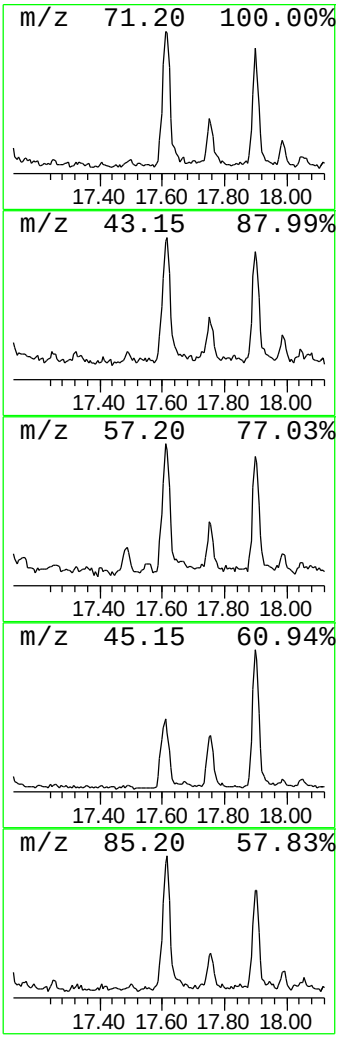
****

Peak Number 7 unknown17.62 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	14.52 ng	733610	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylnonadecane	282	C20H42	056862-62-5	43
2	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	38
3	Undecane, 5-methyl-	170	C12H26	001632-70-8	38
4	Nonane, 1-iodo-	254	C9H19I	004282-42-2	35
5	Valeric acid, dodecyl ester	270	C17H34O2	081186-22-3	27





Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071618\
Data File : BG035668.D
Acq On : 16 Jul 2018 14:01
Operator : JU/SJ
Sample : J3959-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

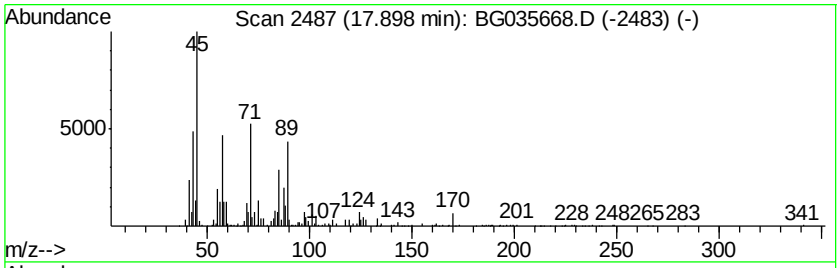
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

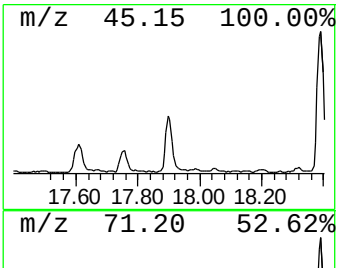
****

Peak Number 8 3,6,9,12-Tetraoxahexadecan-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	12.90 ng	651732	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6,9,12-Tetraoxahexadecan-1-ol	250	C12H26O5	001559-34-8	58
2	Pentaethylene glycol	238	C10H22O6	004792-15-8	58
3	Heptaethylene glycol	326	C14H30O8	005617-32-3	58
4	2-[2-[2-[2-[2-[2-[2-(2-Hydrox...	414	C18H38O10	1000352-12-5	58
5	Hexaethylene glycol	282	C12H26O7	002615-15-8	52





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Data File : BG035668.D
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Operator : JU/SJ
Sample : J3959-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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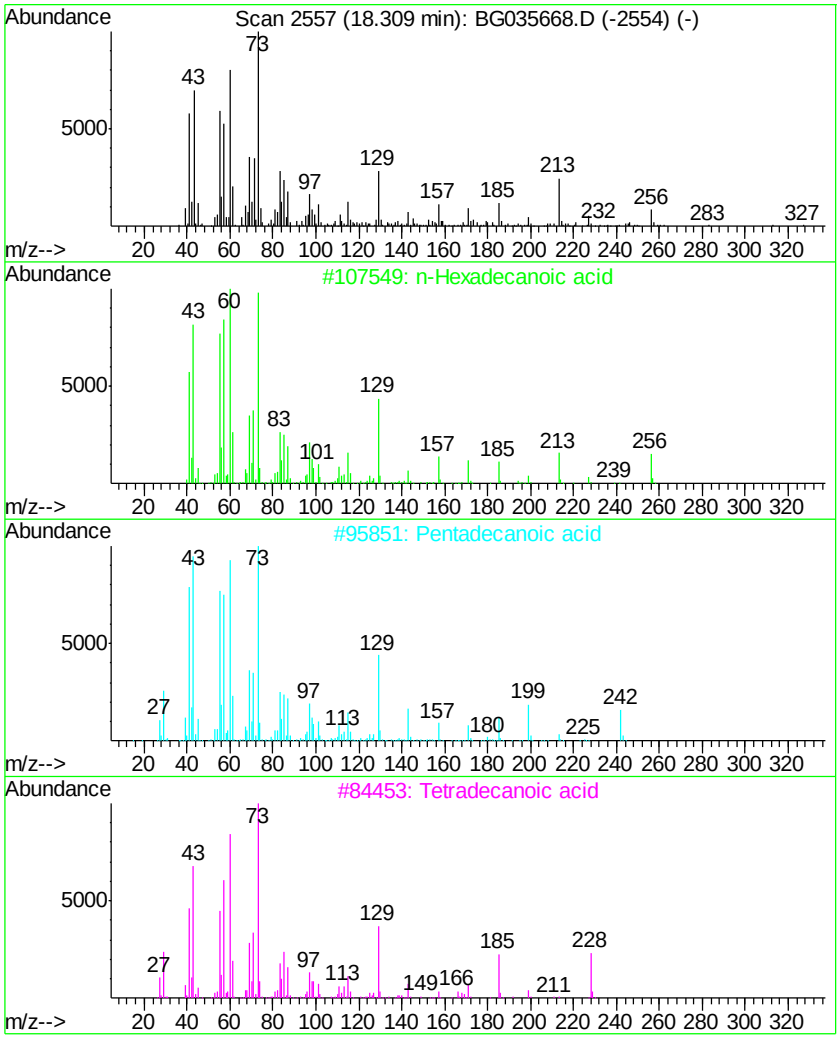
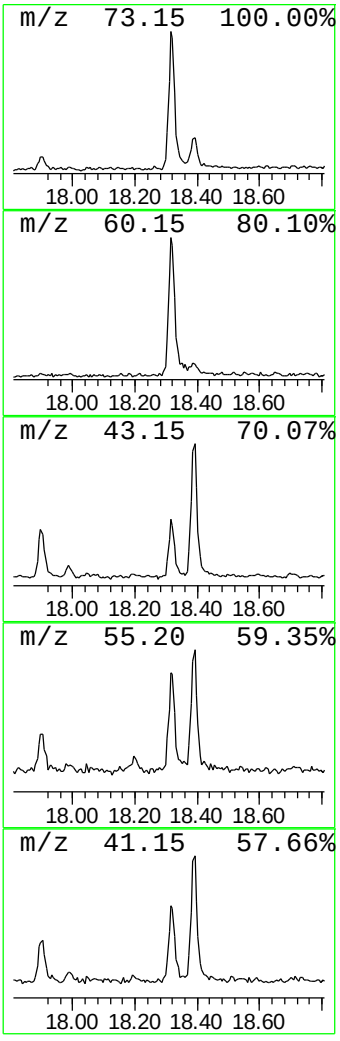
Peak Number 9 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	16.15 ng	816014	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	70
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
4	Dodecanoic acid	200	C12H24O2	000143-07-7	50
5	n-Decanoic acid	172	C10H20O2	000334-48-5	49





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Acq On : 16 Jul 2018 14:01
Operator : JU/SJ
Sample : J3959-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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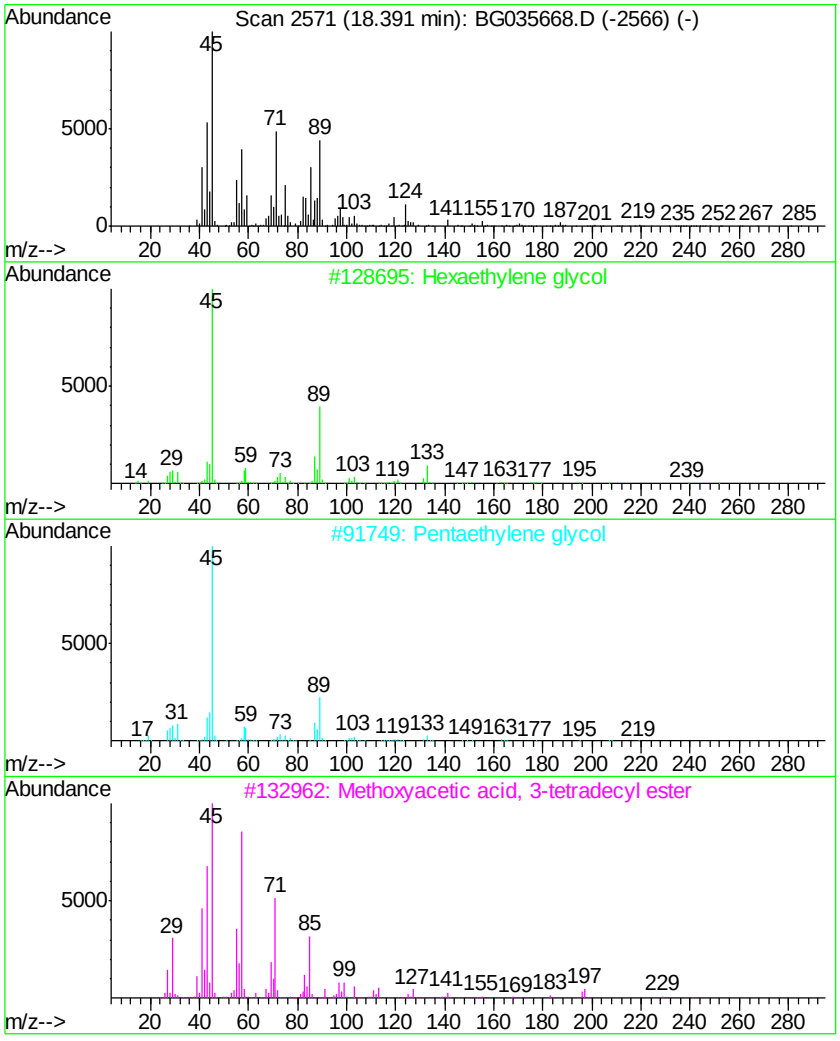
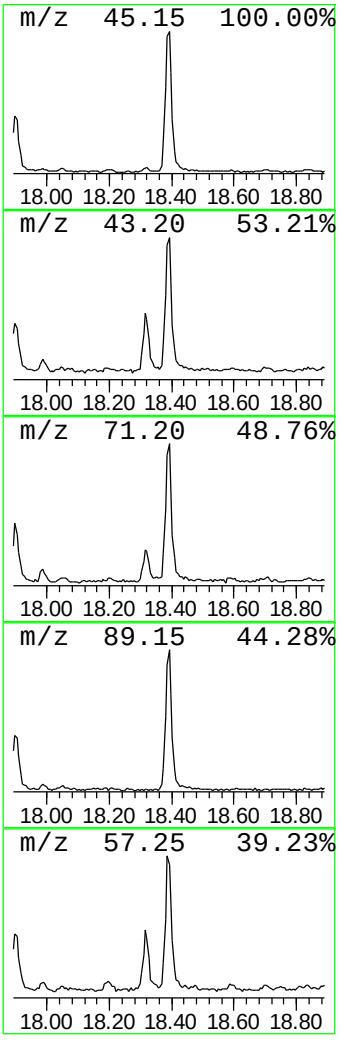
Peak Number 10 unknown18.39 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	32.90 ng	1662620	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexaethylene glycol	282	C12H26O7	002615-15-8	49
2	Pentaethylene glycol	238	C10H22O6	004792-15-8	49
3	Methoxyacetic acid, 3-tetradecyl...	286	C17H34O3	1000282-04-9	47
4	Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	47
5	Cyclohexyl-15-crown-5	274	C14H26O5	017454-48-7	47





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Acq On : 16 Jul 2018 14:01
Operator : JU/SJ
Sample : J3959-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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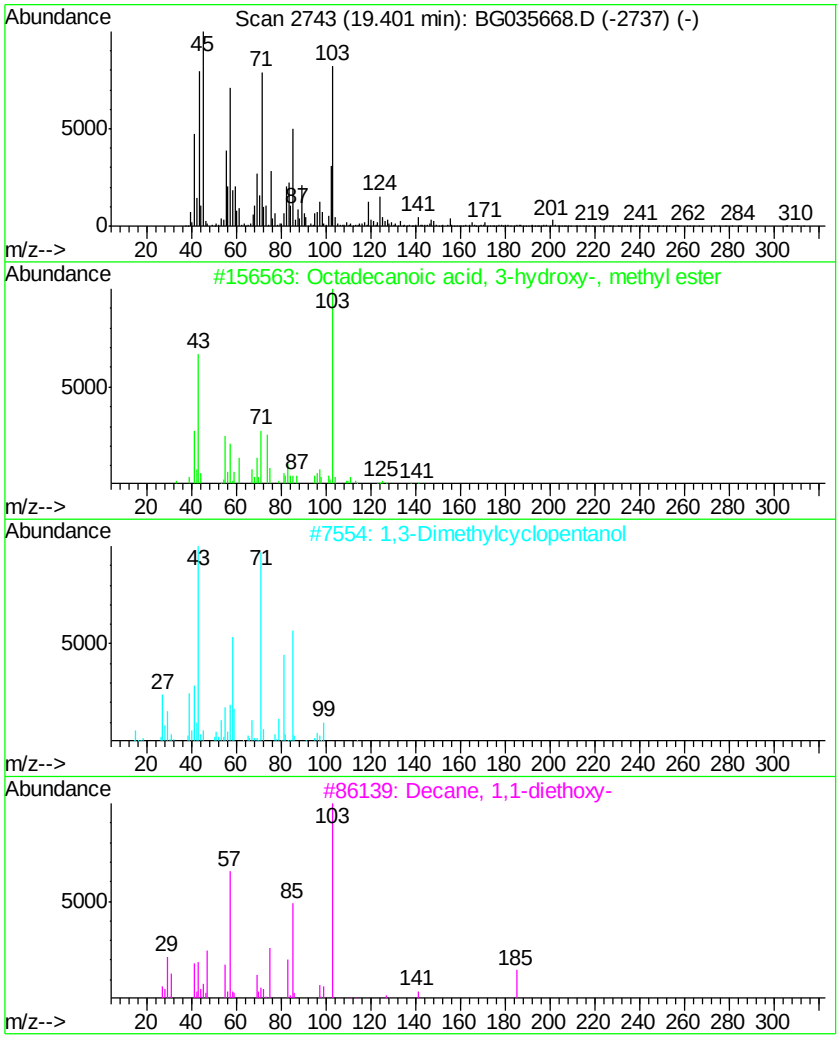
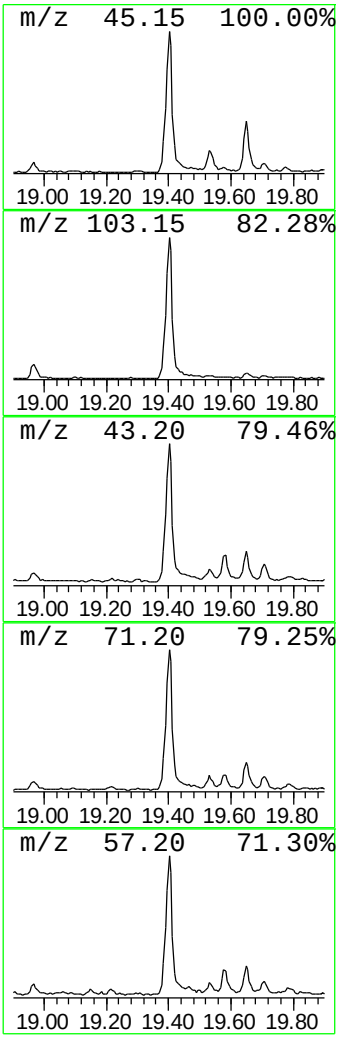
Peak Number 11 unknown19.40 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.40	74.48 ng	3763160	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, 3-hydroxy-, m...	314	C19H38O3	002420-36-2	27
2	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	25
3	Decane, 1,1-diethoxy-	230	C14H30O2	034764-02-8	22
4	Pivalic acid, 6-chlorohexyl ester	220	C11H21ClO2	1000330-91-8	18
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	15





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Sample : J3959-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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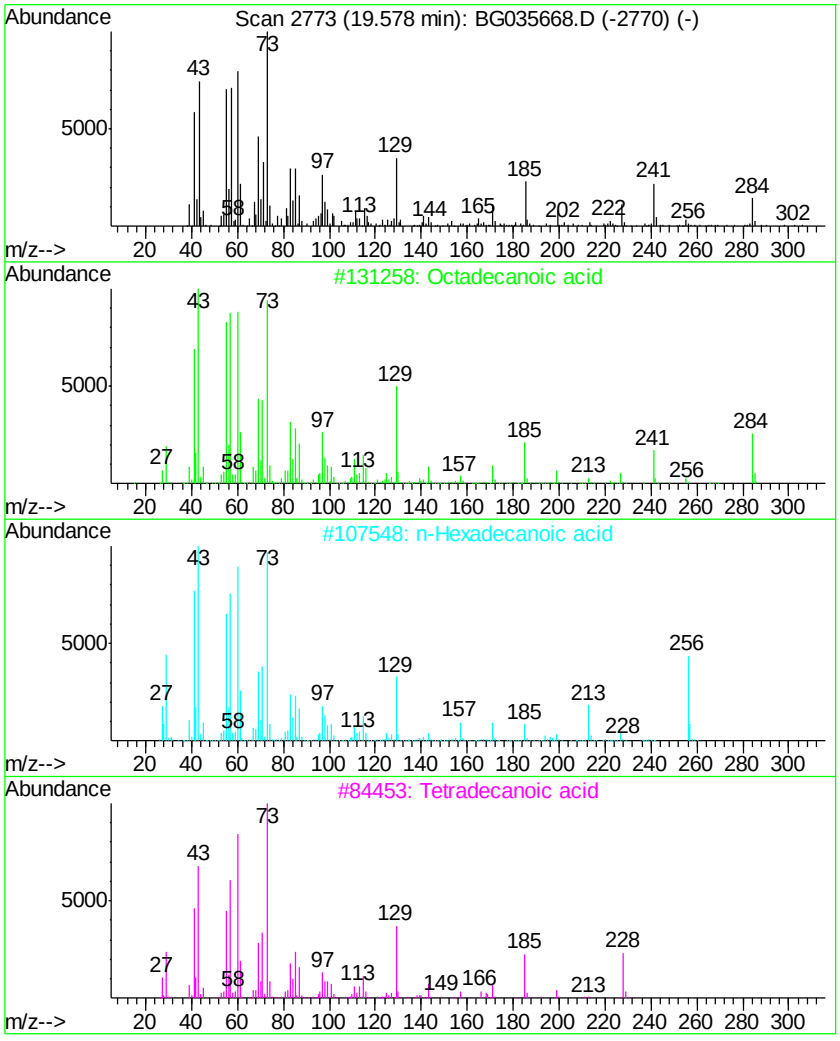
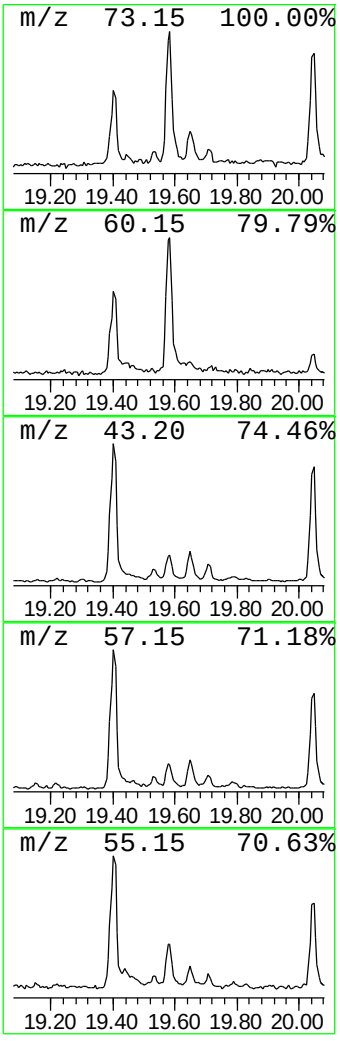
Peak Number 12 Octadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.58	9.65 ng	604351	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
5	Tridecanoic acid	214	C13H26O2	000638-53-9	60





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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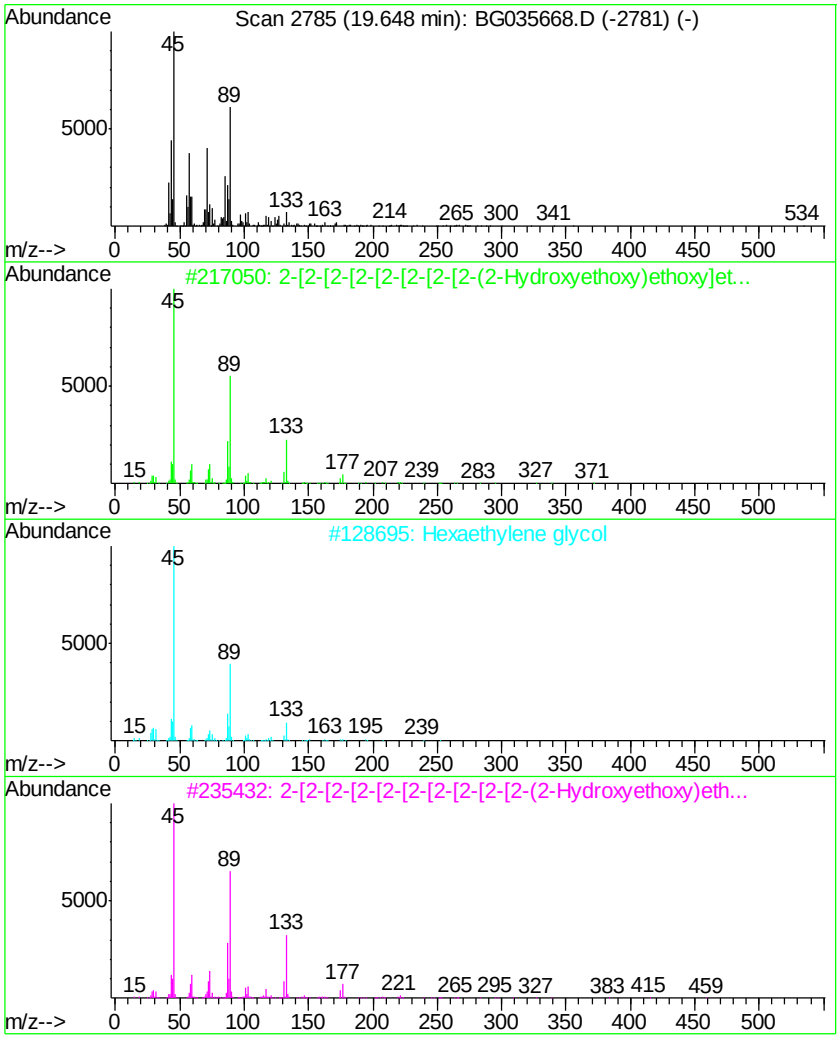
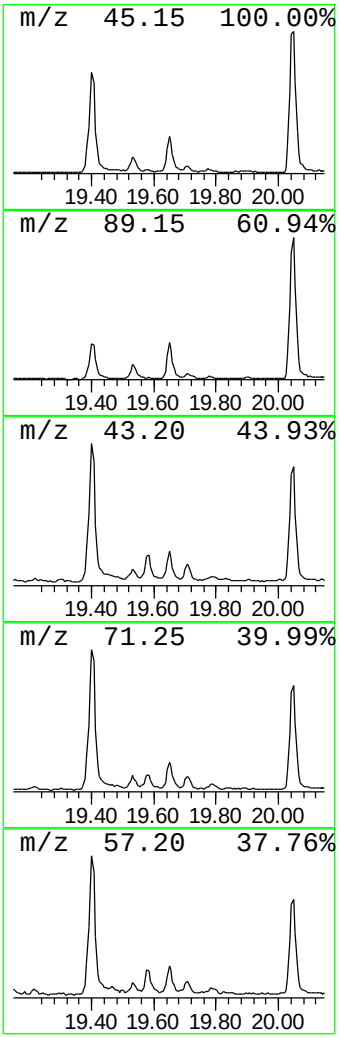
Peak Number 13 Hexaethylene glycol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.65	10.13 ng	634205	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-[2-[2-[2-[2-[2-(2-Hydrox...	414	C18H38O10	1000352-12-5	62
2	Hexaethylene glycol	282	C12H26O7	002615-15-8	62
3	2-[2-[2-[2-[2-[2-[2-[2-[2-(2-...	502	C22H46O12	1000352-13-2	62
4	Heptaethylene glycol	326	C14H30O8	005617-32-3	58
5	2-[2-[2-[2-[2-[2-[2-(2-Hydroxyet...	370	C16H34O9	005117-19-1	58





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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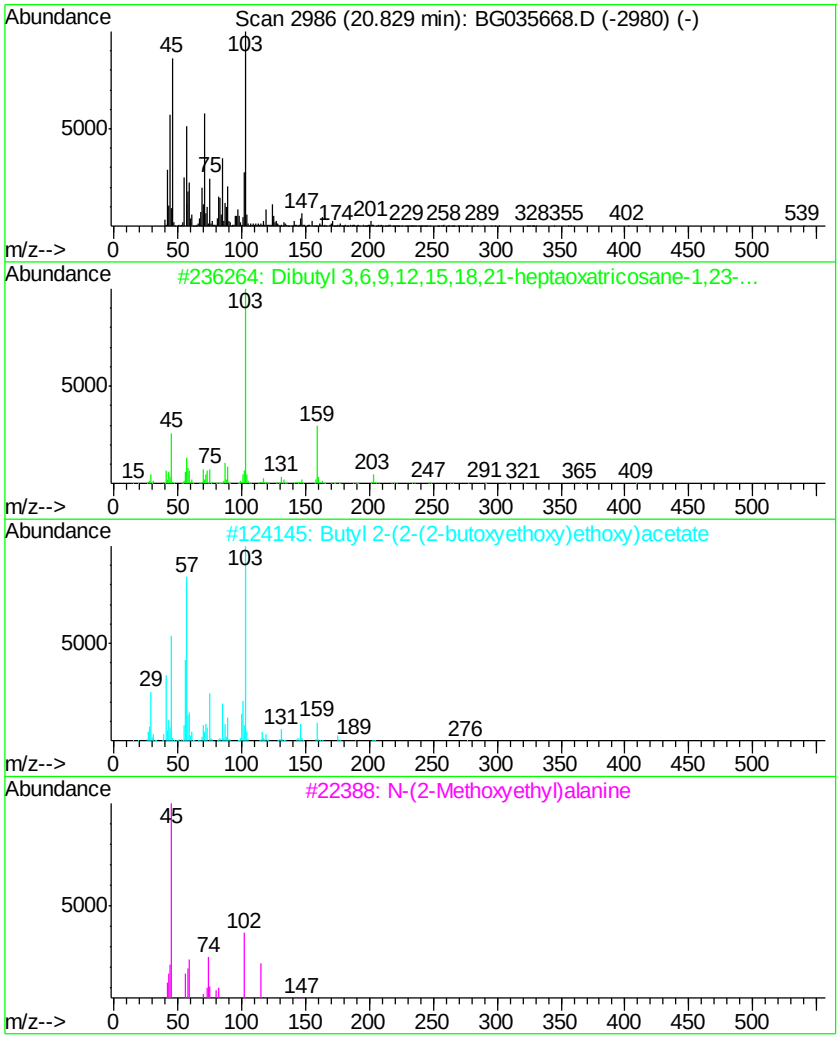
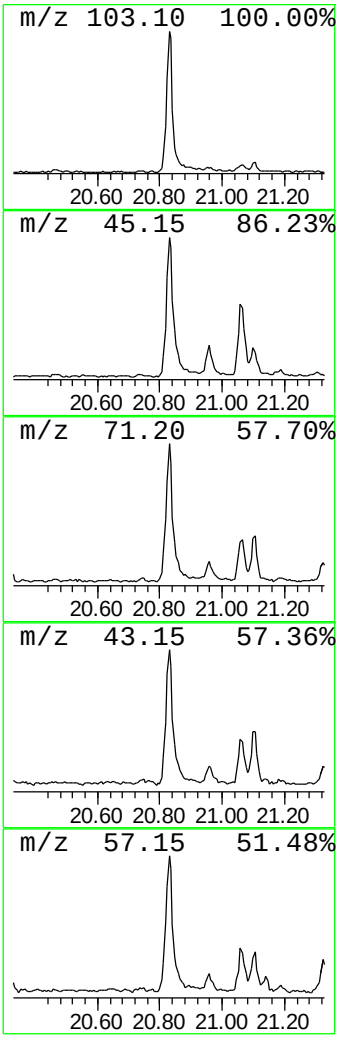
Peak Number 14 unknown20.83 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	40.25 ng	2520270	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibutyl 3,6,9,12,15,18,21-heptao...	510	C24H46O11	1000366-79-9	47
2	Butyl 2-(2-(2-butoxyethoxy)ethox...	276	C14H28O5	1000366-77-4	43
3	N-(2-Methoxyethyl)alanine	147	C6H13NO3	097884-64-5	38
4	12-Crown-4	176	C8H16O4	000294-93-9	30
5	10-Chlorodecyl 2-methylbutanoate	276	C15H29ClO2	1000372-71-5	30





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Operator : JU/SJ
Sample : J3959-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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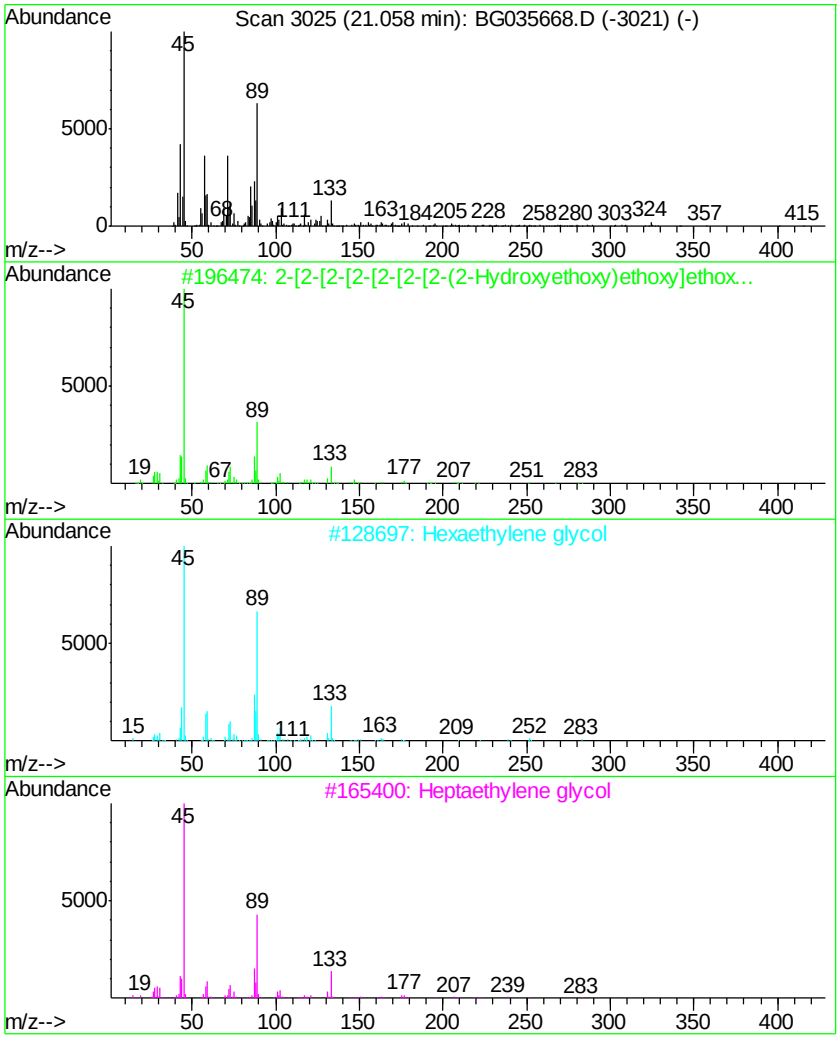
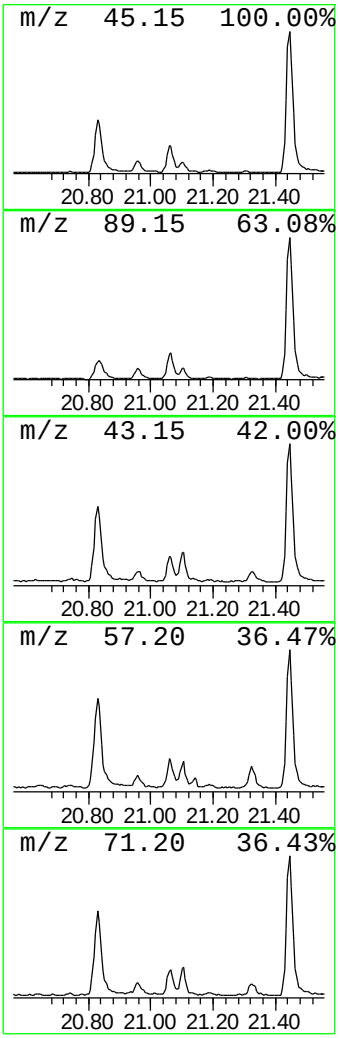
Peak Number 15 2-[2-[2-[2-[2-[2-[2-(2-Hydr... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	10.66 ng	667142	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-[2-[2-[2-[2-[2-(2-Hydroxyet...	370	C16H34O9	005117-19-1	70
2	Hexaethylene glycol	282	C12H26O7	002615-15-8	70
3	Heptaethylene glycol	326	C14H30O8	005617-32-3	62
4	3,6,9,12,15-Pentaoxanonadecan-1-ol	294	C14H30O6	001786-94-3	58
5	2-[2-[2-[2-[2-[2-[2-[2-[2-(2-Hyd...	458	C20H42O11	1000352-12-6	53





Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071618\
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Sample : J3959-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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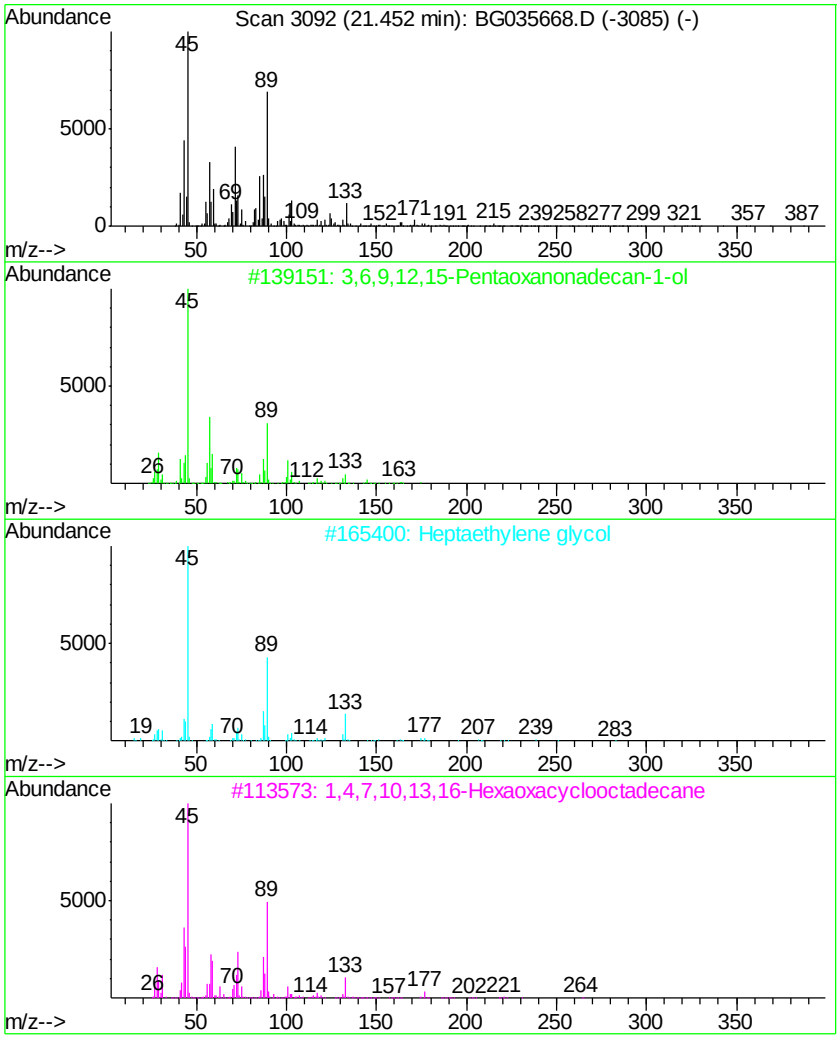
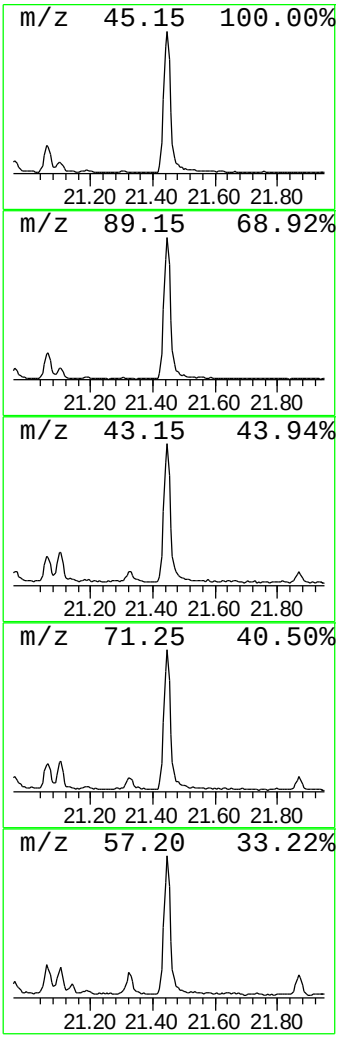
Peak Number 16 1,4,7,10,13,16-Hexaoxacyclo... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.45	62.27 ng	3898910	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6,9,12,15-Pentaoxanonadecan-1-ol	294	C14H30O6	001786-94-3	64
2	Heptaethylene glycol	326	C14H30O8	005617-32-3	58
3	1,4,7,10,13,16-Hexaoxacyclooctad...	264	C12H24O6	017455-13-9	58
4	2-[2-[2-[2-[2-[2-(2-Hydroxyet...	370	C16H34O9	005117-19-1	58
5	Hexaethylene glycol	282	C12H26O7	002615-15-8	58





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Misc :
ALS Vial : 8 Sample Multiplier: 1

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ClientSampleId : WC-20180712

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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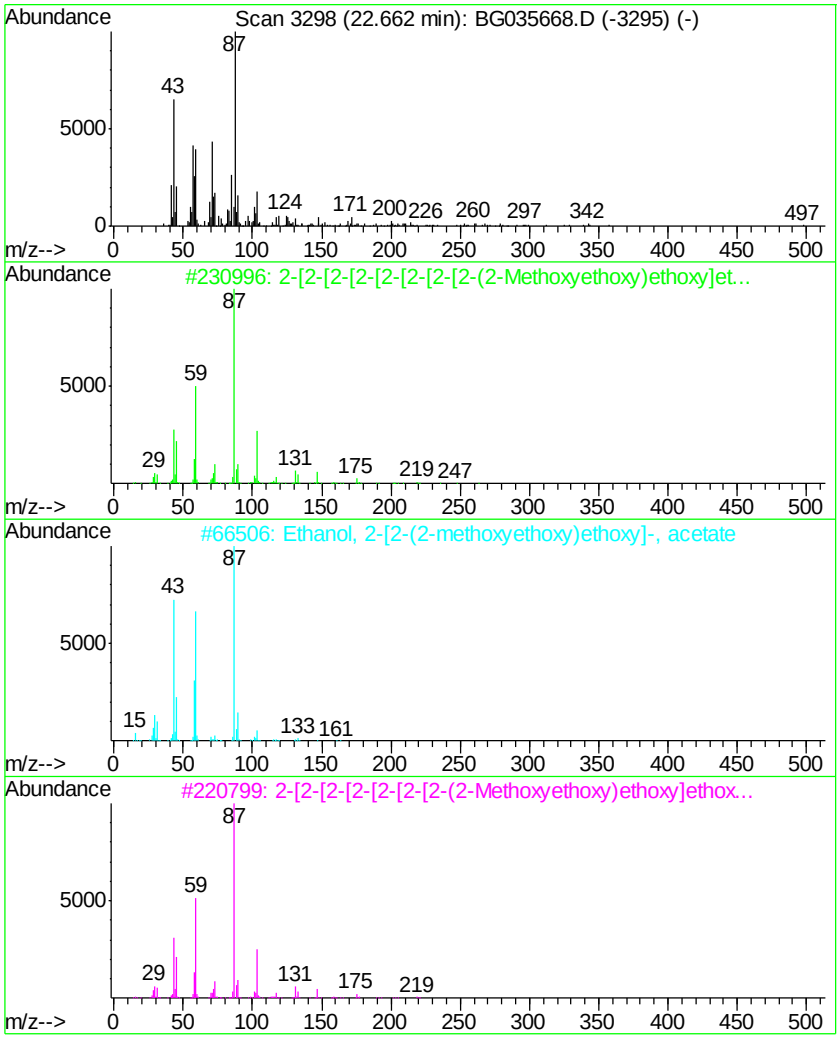
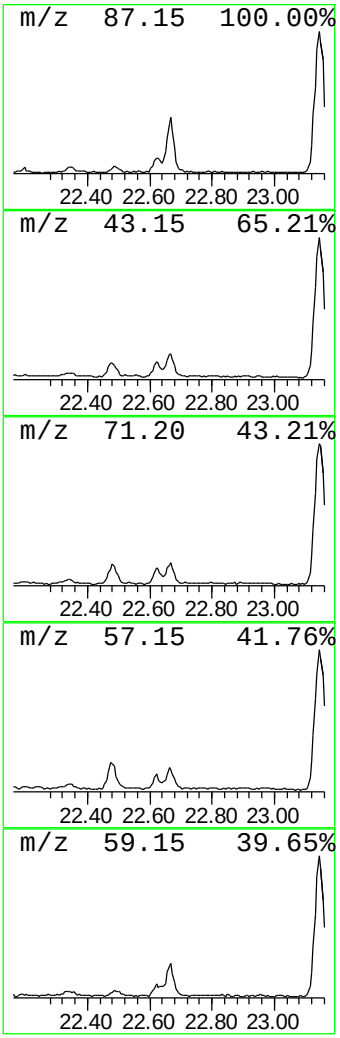
Peak Number 17 unknown22.66 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.66	7.71 ng	482679	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-[2-[2-[2-[2-[2-(2-Methox...	470	C21H42O11	1000351-91-8	47
2	Ethanol, 2-[2-(2-methoxyethoxy)e...	206	C9H18O5	003610-27-3	47
3	2-[2-[2-[2-[2-[2-[2-(2-Methoxyet...	426	C19H38O10	1000351-91-7	47
4	2-[2-[2-[2-[2-[2-(2-Methoxyethox...	382	C17H34O9	1000351-91-6	47
5	2-[2-[2-[2-[2-(2-Methoxyethoxy)e...	338	C15H30O8	1000351-91-5	47





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ClientSampleId : WC-20180712

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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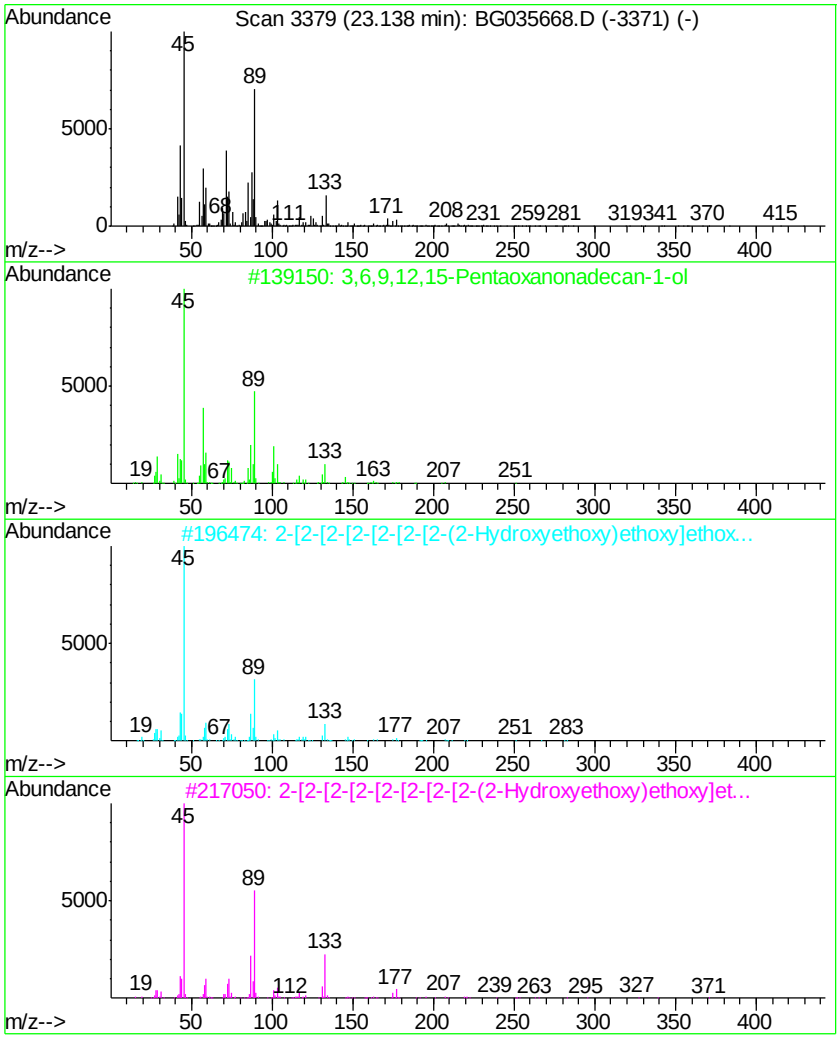
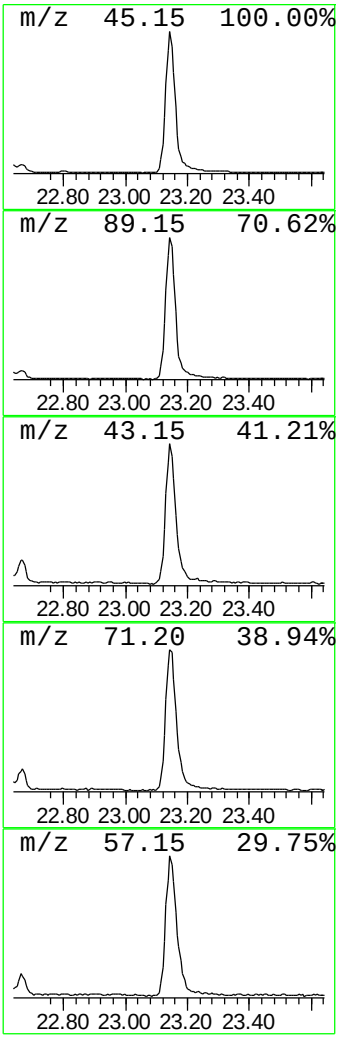
Peak Number 18 3,6,9,12,15-Pentaoxanonadec... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.14	86.20 ng	5397300	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6,9,12,15-Pentaoxanonadecan-1-ol	294	C14H30O6	001786-94-3	86
2	2-[2-[2-[2-[2-[2-(2-Hydroxyvet...	370	C16H34O9	005117-19-1	83
3	2-[2-[2-[2-[2-[2-[2-(2-Hydrox...	414	C18H38O10	1000352-12-5	80
4	2-[2-[2-[2-[2-[2-[2-[2-[2-(2-...	502	C22H46O12	1000352-13-2	80
5	2-[2-[2-[2-[2-[2-[2-[2-[2-[2-...	546	C24H50O13	1000352-12-7	72





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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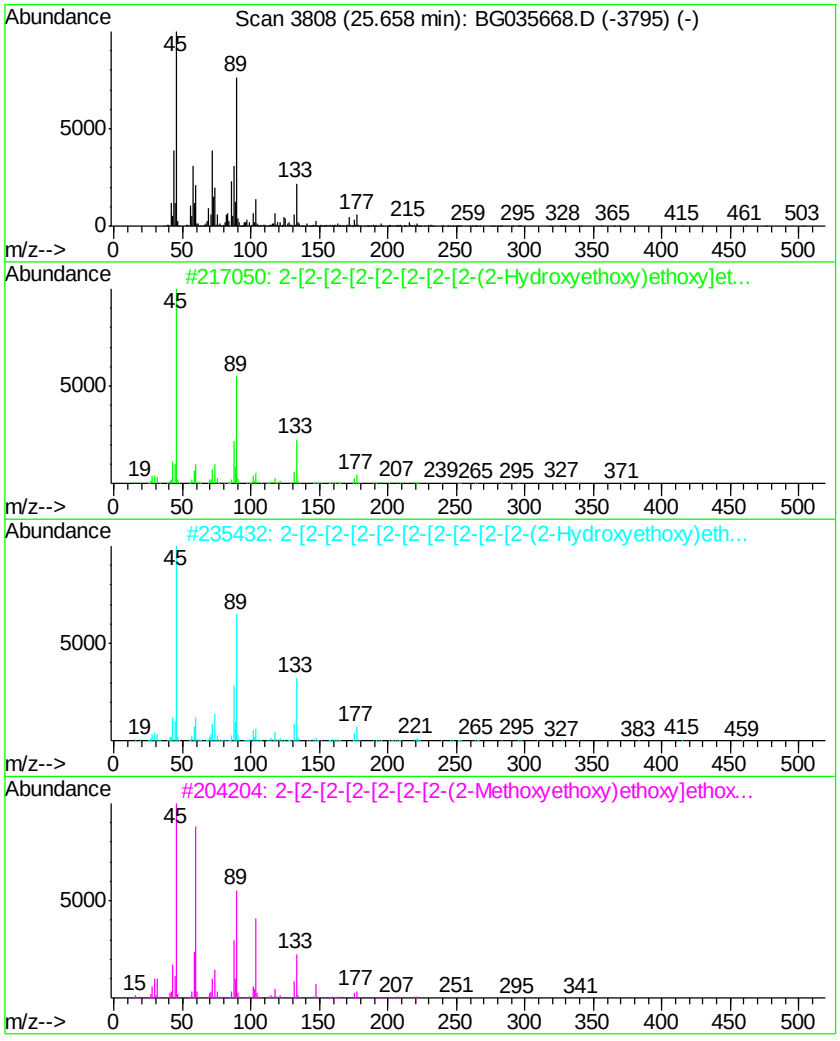
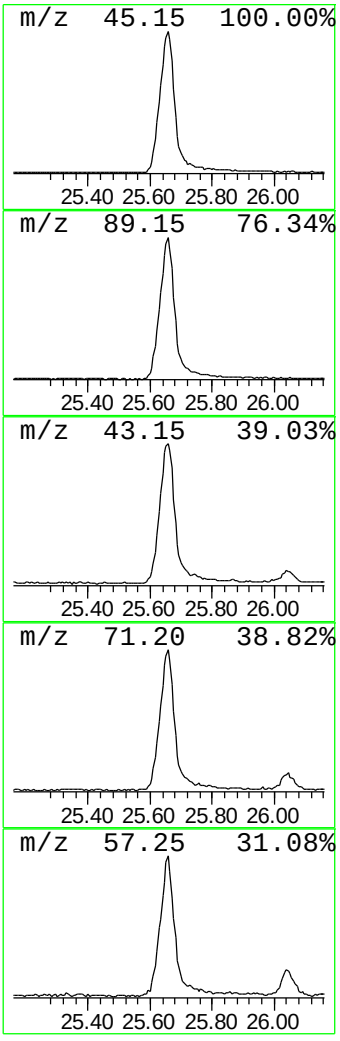
Peak Number 19 2-[2-[2-[2-[2-[2-[2-[2-(2-H... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.66	59.81 ng	5324390	Perylene-d12	24.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-[2-[2-[2-[2-[2-[2-(2-Hydrox...	414	C18H38O10	1000352-12-5	83
2	2-[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-...	502	C22H46O12	1000352-13-2	81
3	2-[2-[2-[2-[2-[2-[2-(2-Methoxvet...	384	C17H36O9	1000352-04-2	74
4	2-[2-[2-[2-[2-[2-[2-(2-Hydroxvet...	370	C16H34O9	005117-19-1	72
5	2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-...	546	C24H50O13	1000352-12-7	72





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : WC-20180712

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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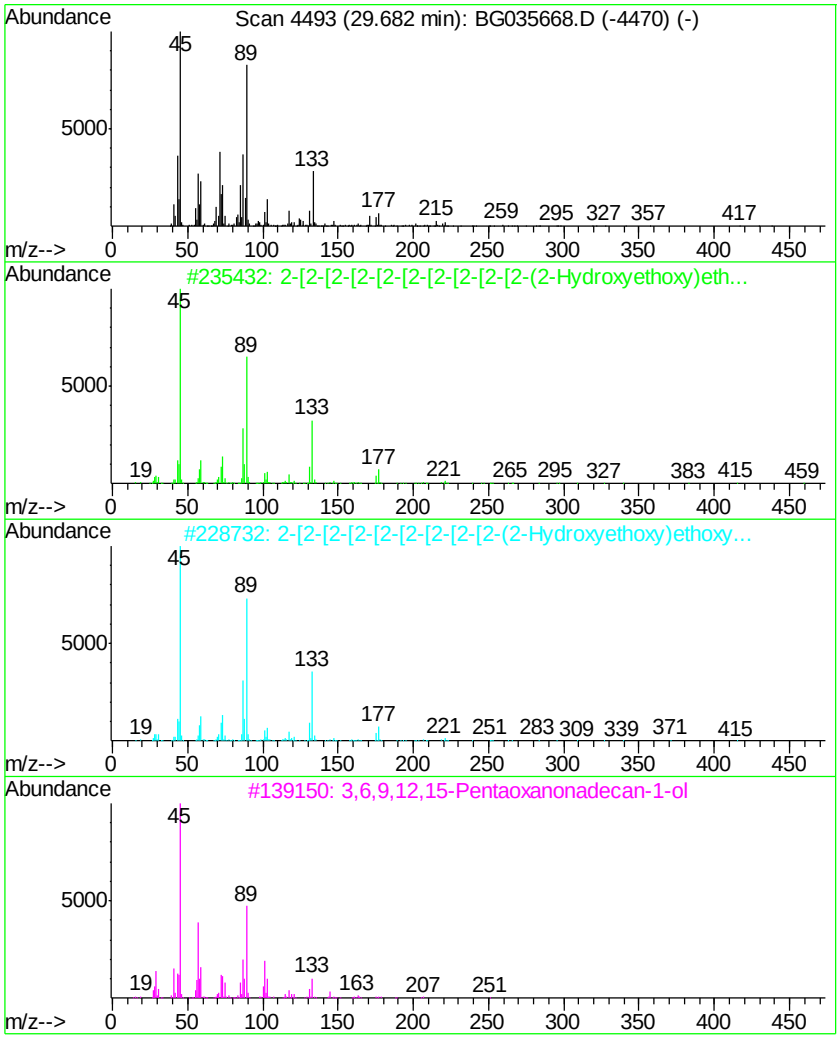
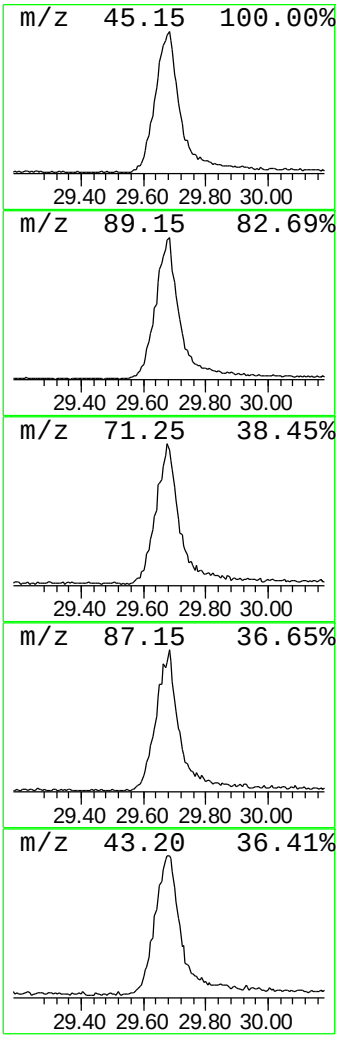
Peak Number 20 2-[2-[2-[2-[2-[2-[2-[2-[2-[... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.68	48.62 ng	4328230	Perylene-d12	24.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-...	502	C22H46O12	1000352-13-2	87
2	2-[2-[2-[2-[2-[2-[2-[2-[2-(2-Hyd...	458	C20H42O11	1000352-12-6	83
3	3,6,9,12,15-Pentaoxanonadecan-1-ol	294	C14H30O6	001786-94-3	72
4	2-[2-[2-[2-[2-[2-[2-(2-Hydroxyet...	370	C16H34O9	005117-19-1	72
5	Heptaethylene glycol	326	C14H30O8	005617-32-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071618\
Data File : BG035668.D
Acq On : 16 Jul 2018 14:01
Operator : JU/SJ
Sample : J3959-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-20180712

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
unknown7.59	7.59	114.4	ng	2375270	1	8.06	415209	20.0
Trichloroacetic a...	13.03	8.2	ng	319358	3	14.68	783966	20.0
Pyridine, 3-butyl...	13.57	9.9	ng	390130	3	14.68	783966	20.0
unknown14.75	14.75	10.3	ng	403115	3	14.68	783966	20.0
unknown17.62	17.62	14.5	ng	733610	4	17.42	1010580	20.0
3,6,9,12-Tetraoxa...	17.90	12.9	ng	651732	4	17.42	1010580	20.0
n-Hexadecanoic acid	18.31	16.1	ng	816014	4	17.42	1010580	20.0
unknown18.39	18.39	32.9	ng	1662620	4	17.42	1010580	20.0
unknown19.40	19.40	74.5	ng	3763160	4	17.42	1010580	20.0
Octadecanoic acid	19.58	9.7	ng	604351	5	21.69	1252240	20.0
Hexaethylene glycol	19.65	10.1	ng	634205	5	21.69	1252240	20.0
unknown20.83	20.83	40.3	ng	2520270	5	21.69	1252240	20.0
2-[2-[2-[2-[2-[2-...	21.06	10.7	ng	667142	5	21.69	1252240	20.0
1,4,7,10,13,16-He...	21.45	62.3	ng	3898910	5	21.69	1252240	20.0
unknown22.66	22.66	7.7	ng	482679	5	21.69	1252240	20.0
3,6,9,12,15-Penta...	23.14	86.2	ng	5397300	5	21.69	1252240	20.0
2-[2-[2-[2-[2-[2-...	25.66	59.8	ng	5324390	6	24.91	1780410	20.0
2-[2-[2-[2-[2-[2-...	29.68	48.6	ng	4328230	6	24.91	1780410	20.0