LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028480.D
Acq On : 25 Aug 2017 4:41
Operator : SJ/JU
Sample : I4840-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AJ7

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.829	34	41	48	rVB7	5635	14946	1.21%	0.116%
2	4.082	80	84	95	rVB4	9810	22705	1.83%	0.176%
3	4.229	104	109	118	rVB8	4335	12804	1.03%	0.099%
4	4.329	121	126	134	rVB2	19266	29635	2.39%	0.229%
5	4.405	134	139	141	rBV5	3731	4740	0.38%	0.037%
6	4.440	143	145	152	rVB6	4220	6309	0.51%	0.049%
7	4.705	187	190	195	rBV6	2787	4513	0.36%	0.035%
8	4.898	219	223	229	rBV8	2746	6366	0.51%	0.049%
9	5.086	251	255	260	rBV3	5864	8585	0.69%	0.066%
10	5.451	310	317	325	rVB2	25583	47348	3.82%	0.367%
11	5.533	325	331	338	rBV8	4652	12046	0.97%	0.093%
12	6.408	476	480	488	rBV5	3295	7908	0.64%	0.061%
13	6.655	513	522	524	rVB4	2552	6058	0.49%	0.047%
14	7.495	656	665	677	rBV2	106960	236038	19.06%	1.827%
15	7.654	681	692	700	rBV	68076	124845	10.08%	0.966%
16	7.871	722	729	742	rBV	101788	185160	14.95%	1.433%
17	8.124	770	772	781	rVB5	2314	3975	0.32%	0.031%
18	8.283	794	799	802	rBV5	3475	5358	0.43%	0.041%
19	8.341	802	809	819	rVB	155245	282595	22.82%	2.188%
20	9.035	918	927	938	rBV2	129173	240525	19.42%	1.862%
21	9.164	944	949	954	rBV	5351	8026	0.65%	0.062%
22	9.505	996	1007	1017	rBV2	102342	204442	16.51%	1.583%
23	9.611	1019	1025	1029	rBV5	2274	5143	0.42%	0.040%
24	9.863	1063	1068	1072	rVB5	2291	4326	0.35%	0.033%
25	9.957	1076	1084	1086	rBV4	2069	4117	0.33%	0.032%
26	10.233	1123	1131	1145	rBV2	91331	176381	14.24%	1.365%
27	10.445	1163	1167	1176	rVB5	3883	9336	0.75%	0.072%
28	10.580	1186	1190	1197	rVB5	3016	5680	0.46%	0.044%
29	10.774	1213	1223	1234	rVB	131381	260784	21.06%	2.019%
30	11.085	1271	1276	1281	rVB4	4188	6136	0.50%	0.048%
31	11.156	1281	1288	1295	rBV2	231814	434475	35.09%	3.363%
32	11.291	1303	1311	1325	rBV2	75928	168375	13.60%	1.303%
33	11.802	1391	1398	1403	rBV5	2196	5661	0.46%	0.044%
34	12.119	1443	1452	1459	rBV6	3383	9273	0.75%	0.072%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028480.D
Acq On : 25 Aug 2017 4:41
Operator : SJ/JU
Sample : I4840-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AJ7

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

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

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

35	12.507	1513	1518	1525	rBV6	3798	8019	0.65%	0.062%
36	12.607	1529	1535	1539	rBV5	4081	7001	0.57%	0.054%
37	12.719	1551	1554	1560	rVB6	3940	7537	0.61%	0.058%
38	12.795	1560	1567	1571	rBV5	4898	9951	0.80%	0.077%
39	13.018	1595	1605	1610	rBV7	3041	7932	0.64%	0.061%
40	13.071	1610	1614	1620	rVV3	2387	4066	0.33%	0.031%
41	13.212	1633	1638	1641	rBV2	3833	4714	0.38%	0.036%
42	13.294	1649	1652	1657	rVB4	3940	6529	0.53%	0.051%
43	13.447	1675	1678	1683	rVB4	2717	3930	0.32%	0.030%
44	13.535	1687	1693	1699	rVB5	3940	7386	0.60%	0.057%
45	13.729	1722	1726	1733	rVV6	4562	10295	0.83%	0.080%
46	13.864	1747	1749	1758	rBV4	2364	5137	0.41%	0.040%
47	14.135	1789	1795	1799	rVB4	3163	5667	0.46%	0.044%
48	14.264	1811	1817	1822	rBV3	4541	9305	0.75%	0.072%
49	14.334	1822	1829	1834	rVV	259645	398877	32.21%	3.088%
50	14.381	1834	1837	1847	rVB	121950	180047	14.54%	1.394%
51	14.499	1854	1857	1865	rVB6	4128	6896	0.56%	0.053%
52	14.646	1875	1882	1895	rBV	274871	443642	35.83%	3.434%
53	14.804	1903	1909	1912	rBV4	7570	9632	0.78%	0.075%
54	14.951	1919	1934	1941	rBV2	378197	632388	51.07%	4.896%
55	15.016	1941	1945	1950	rVB3	8193	11694	0.94%	0.091%
56	15.157	1959	1969	1982	rBV	81623	188454	15.22%	1.459%
57	15.333	1991	1999	2008	rBV7	27767	71189	5.75%	0.551%
58	15.410	2008	2012	2021	rVB6	8643	17204	1.39%	0.133%
59	15.545	2033	2035	2042	rBV5	4365	6891	0.56%	0.053%
60	15.609	2043	2046	2050	rVB5	7210	7472	0.60%	0.058%
61	15.656	2050	2054	2056	rBV3	4838	4223	0.34%	0.033%
62	15.750	2059	2070	2078	rVB5	13225	32371	2.61%	0.251%
63	15.938	2092	2102	2109	rBV	369507	583926	47.15%	4.520%
64	16.062	2117	2123	2130	rBV	99216	153474	12.39%	1.188%
65	16.162	2136	2140	2143	rBV4	3707	4001	0.32%	0.031%
66	16.250	2152	2155	2158	rBV4	3104	4941	0.40%	0.038%
67	16.285	2158	2161	2169	rVB6	6098	12545	1.01%	0.097%
68	16.432	2181	2186	2194	rVB7	6503	14337	1.16%	0.111%
69	16.608	2212	2216	2219	rBV2	16270	23823	1.92%	0.184%
70	16.961	2271	2276	2280	rBV7	7714	14660	1.18%	0.113%
71	16.996	2280	2282	2286	rVB5	6667	7638	0.62%	0.059%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028480.D
Acq On : 25 Aug 2017 4:41
Operator : SJ/JU
Sample : I4840-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AJ7

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

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

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

72	17.055	2287	2292	2298	rVB8	15804	27371	2.21%	0.212%
73	17.137	2298	2306	2309	rBV7	5430	15207	1.23%	0.118%
74	17.219	2316	2320	2324	rBV6	7998	10816	0.87%	0.084%
75	17.255	2324	2326	2337	rVB7	7441	13689	1.11%	0.106%
76	17.354	2337	2343	2348	rBV3	15370	31589	2.55%	0.245%
77	17.407	2349	2352	2356	rBV5	14292	21326	1.72%	0.165%
78	17.519	2367	2371	2376	rVB2	11578	17581	1.42%	0.136%
79	17.601	2382	2385	2388	rVB4	4363	5485	0.44%	0.042%
80	17.701	2394	2402	2406	rBV	456048	756861	61.12%	5.859%
81	17.742	2406	2409	2413	rVV	203327	287797	23.24%	2.228%
82	17.801	2413	2419	2429	rVB	379880	644757	52.07%	4.991%
83	18.101	2464	2470	2475	rBV4	26280	51540	4.16%	0.399%
84	18.271	2498	2499	2505	rBV6	7800	11309	0.91%	0.088%
85	18.494	2534	2537	2540	rBV5	9103	13065	1.06%	0.101%
86	18.547	2540	2546	2553	rBV4	85066	197587	15.96%	1.530%
87	18.618	2554	2558	2565	rVB2	61427	106798	8.62%	0.827%
88	18.759	2577	2582	2587	rBV4	34575	72805	5.88%	0.564%
89	19.058	2629	2633	2637	rBV	38445	54137	4.37%	0.419%
90	19.105	2637	2641	2650	rVB2	53321	87267	7.05%	0.676%
91	19.475	2698	2704	2709	rBV4	34281	71305	5.76%	0.552%
92	19.740	2743	2749	2754	rVB	397252	575177	46.45%	4.453%
93	19.799	2755	2759	2768	rBV7	55616	115427	9.32%	0.894%
94	20.075	2799	2806	2809	rBV	535111	957227	77.30%	7.410%
95	20.163	2818	2821	2826	rVB3	29089	40110	3.24%	0.311%
96	22.031	3130	3139	3144	rBV2	535873	1238312	100.00%	9.586%
97	22.078	3144	3147	3159	rVB	177038	339058	27.38%	2.625%
98	24.429	3539	3547	3565	rVB3	107136	484696	39.14%	3.752%
99	25.292	3688	3694	3702	rBV2	188064	473437	38.23%	3.665%
100	25.545	3729	3737	3747	rVB3	241428	703297	56.79%	5.445%

Sum of corrected areas: 12917441

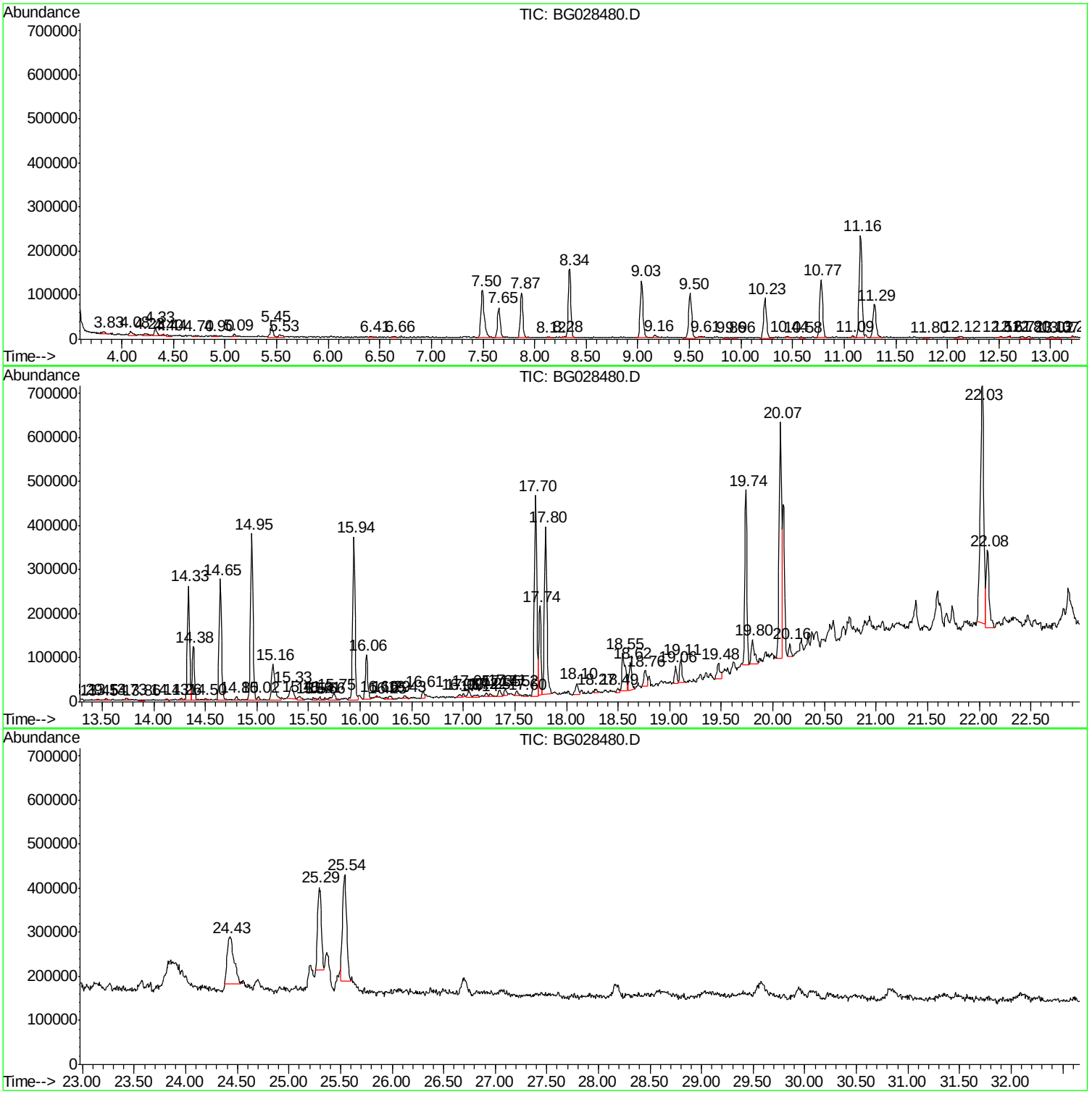
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028480.D
Acq On : 25 Aug 2017 4:41
Operator : SJ/JU
Sample : I4840-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AJ7

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

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028480.D
Acq On : 25 Aug 2017 4:41
Operator : SJ/JU
Sample : I4840-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AJ7

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

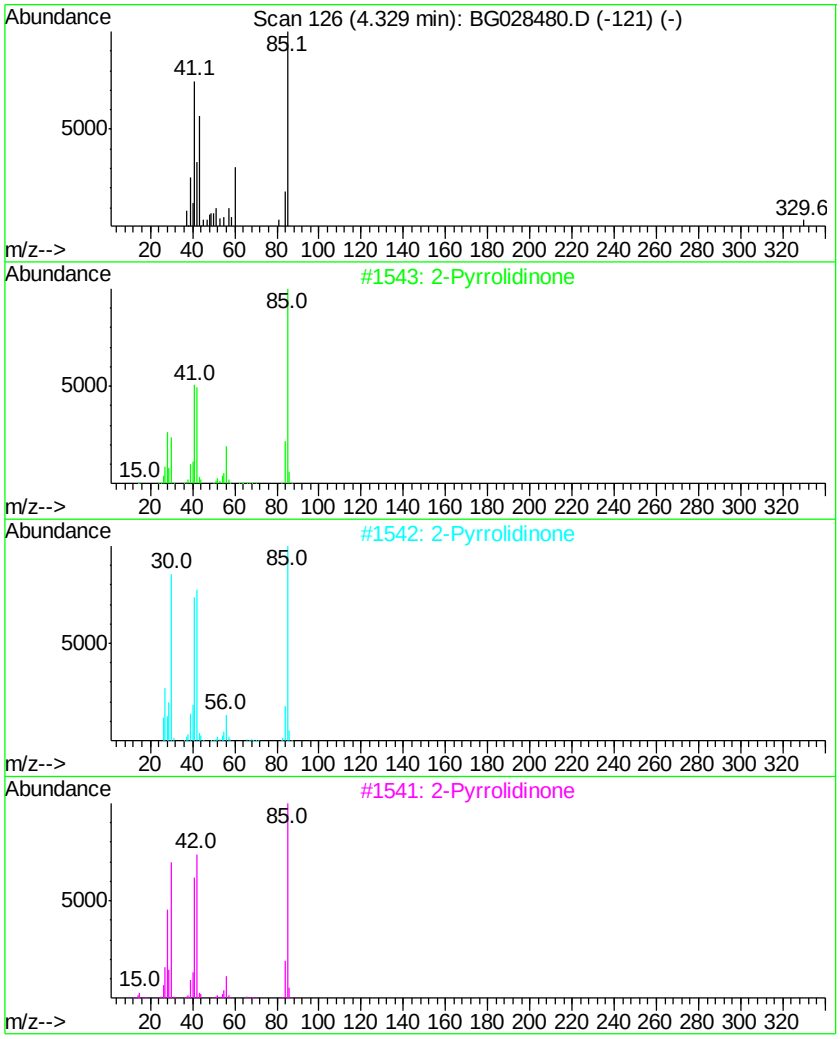
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

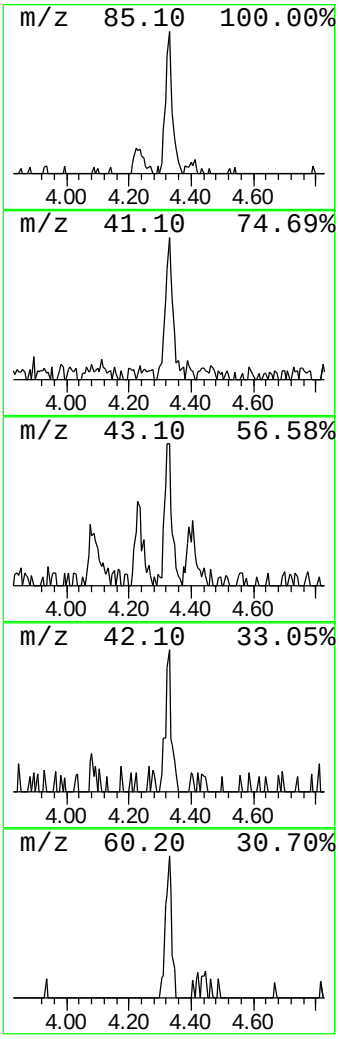
****

Peak Number 1 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.33	2.10 ng/ul	29635	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	40
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	25
3	2-Pyrrolidinone	85	C4H7NO	000616-45-5	25
4	Methacrylamide	85	C4H7NO	000079-39-0	9
5	Methacrylamide	85	C4H7NO	000079-39-0	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028480.D
Acq On : 25 Aug 2017 4:41
Operator : SJ/JU
Sample : I4840-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AJ7

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

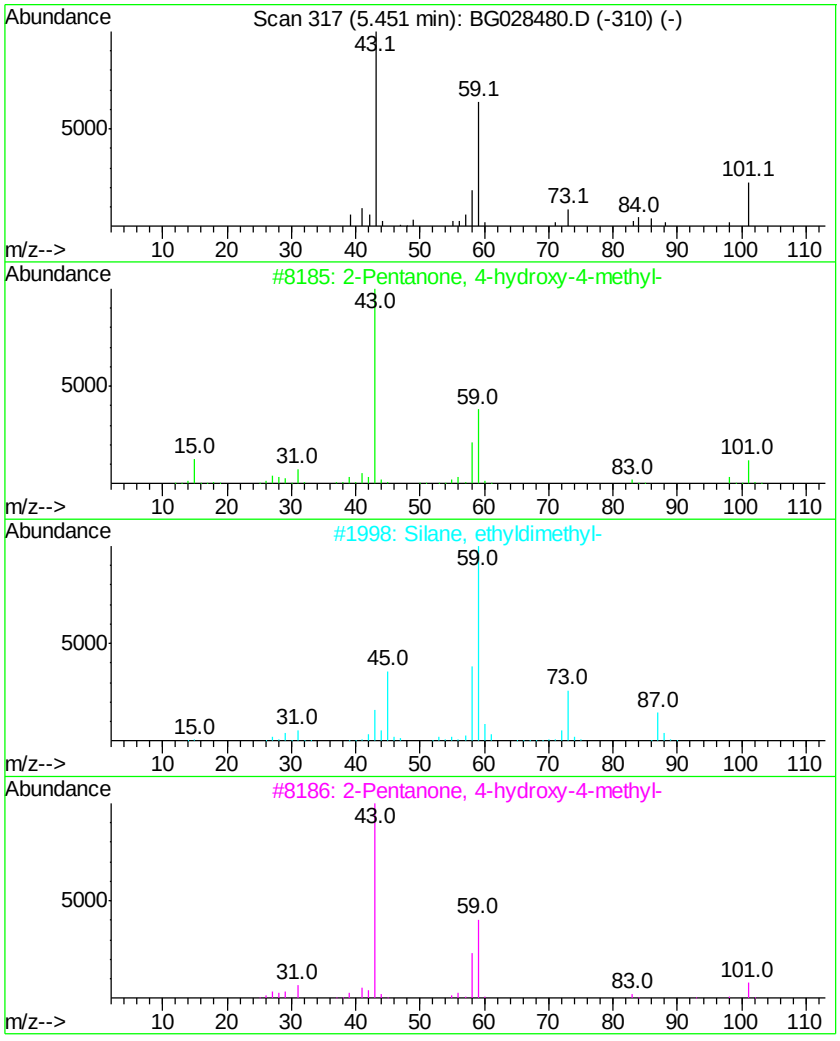
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

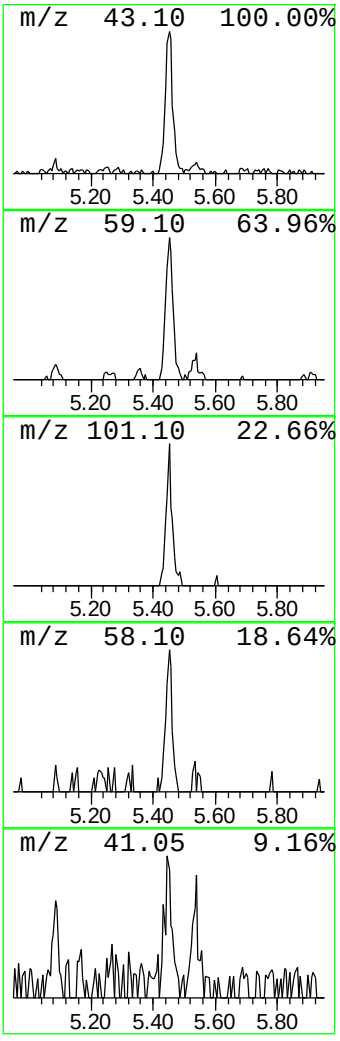
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.45	3.35 ng/ul	47348	1,4-Dichlorobenzene-d4	8.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	Silane, ethyldimethyl-	88	C4H12Si	000758-21-4	17
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	17
4	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	17
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	16





Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028480.D
Acq On : 25 Aug 2017 4:41
Operator : SJ/JU
Sample : I4840-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AJ7

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

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

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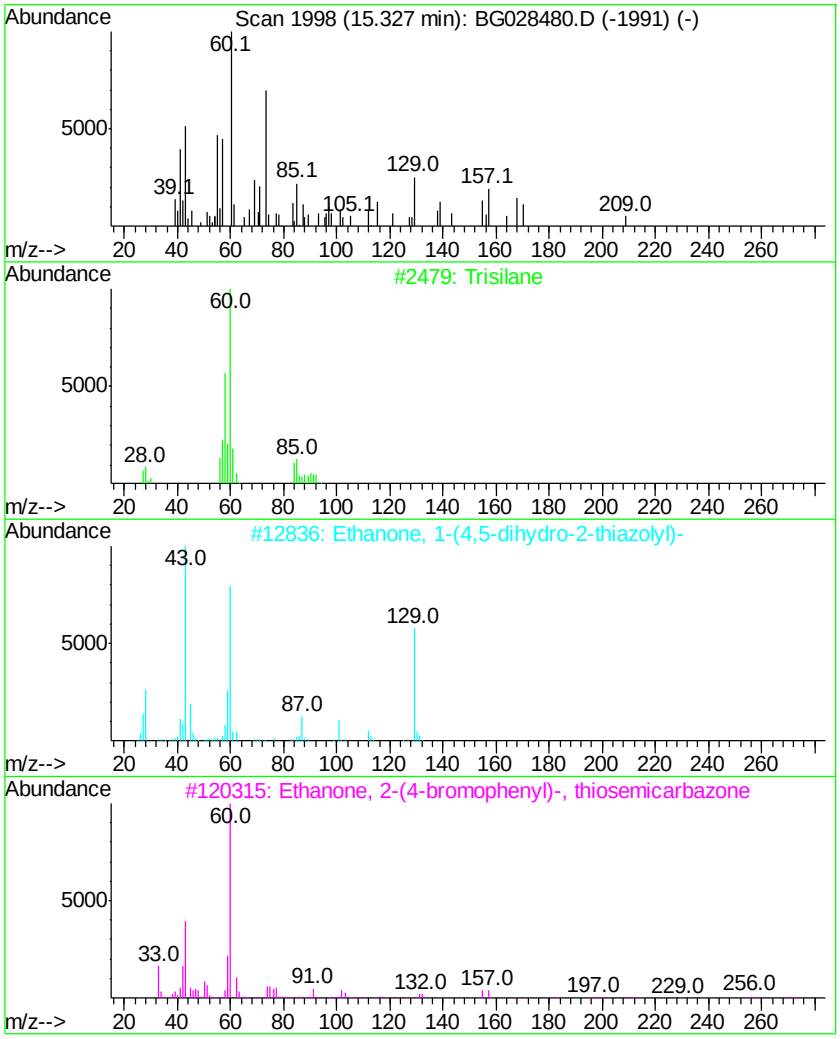
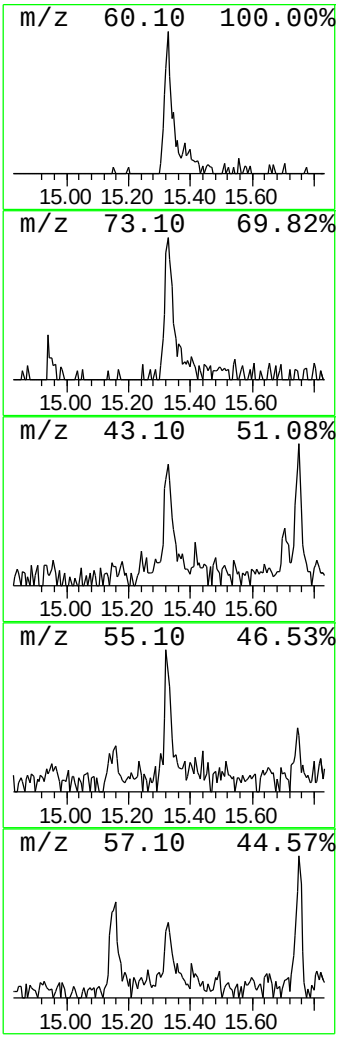
Peak Number 3 unknown-02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	2.25 ng/ul	71189	Acenaphthene-d10	14.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisilane	92	H8Si3	007783-26-8	35
2	Ethanone, 1-(4,5-dihydro-2-thiaz...	129	C5H7NOS	029926-41-8	27
3	Ethanone, 2-(4-bromophenyl)-, th...	271	C9H10BrN3S	016546-06-8	27
4	Ethanone, 1-(4,5-dihydro-2-thiaz...	129	C5H7NOS	029926-41-8	27
5	Octanoic acid	144	C8H16O2	000124-07-2	22





Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028480.D
Acq On : 25 Aug 2017 4:41
Operator : SJ/JU
Sample : I4840-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AJ7

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

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

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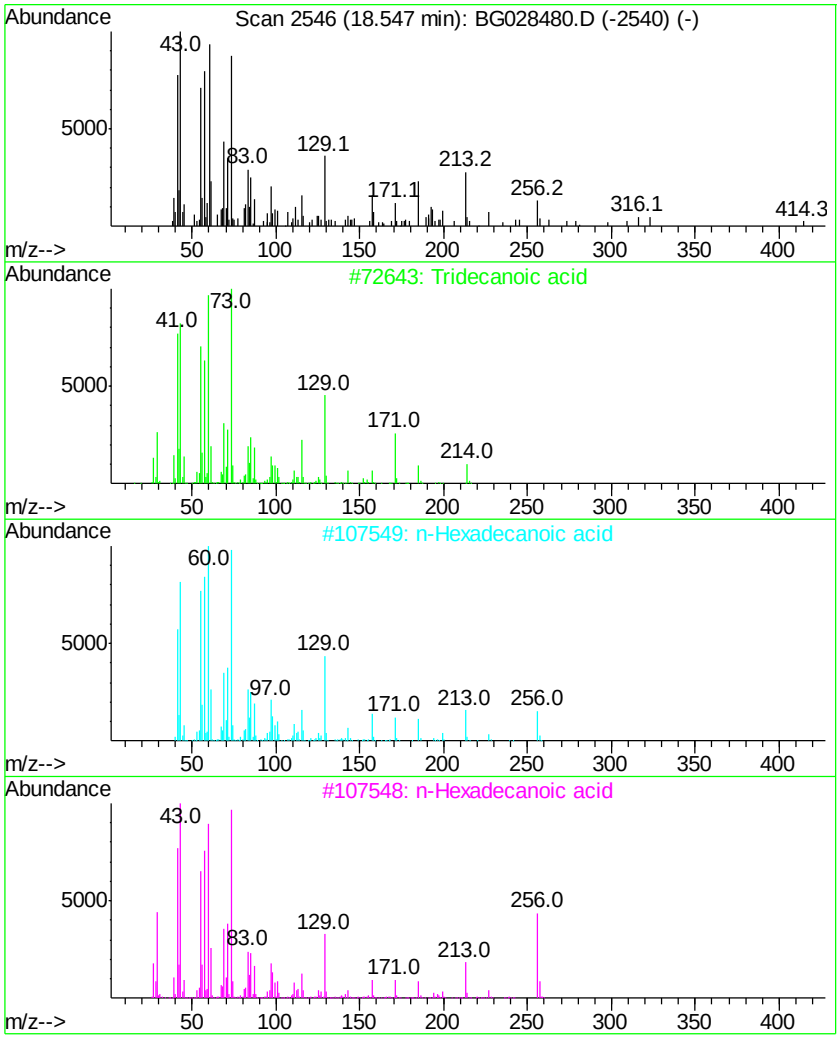
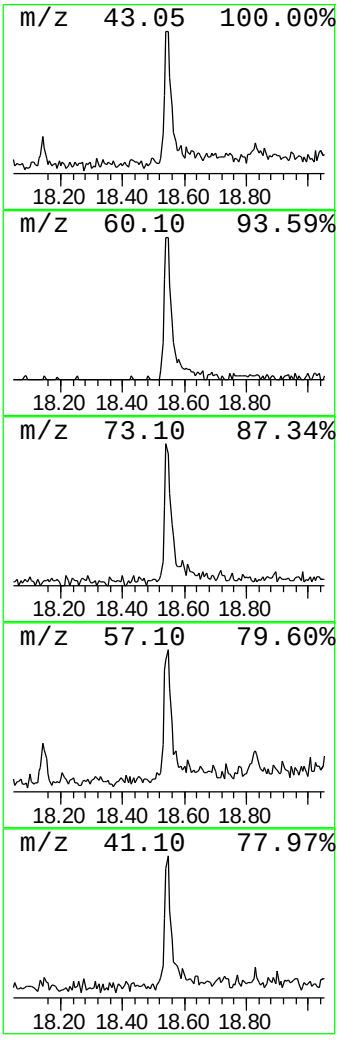
Peak Number 4 Tridecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	5.22 ng/ul	197587	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	93
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	81
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64
5	Tridecanoic acid	214	C13H26O2	000638-53-9	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028480.D
Acq On : 25 Aug 2017 4:41
Operator : SJ/JU
Sample : I4840-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AJ7

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

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

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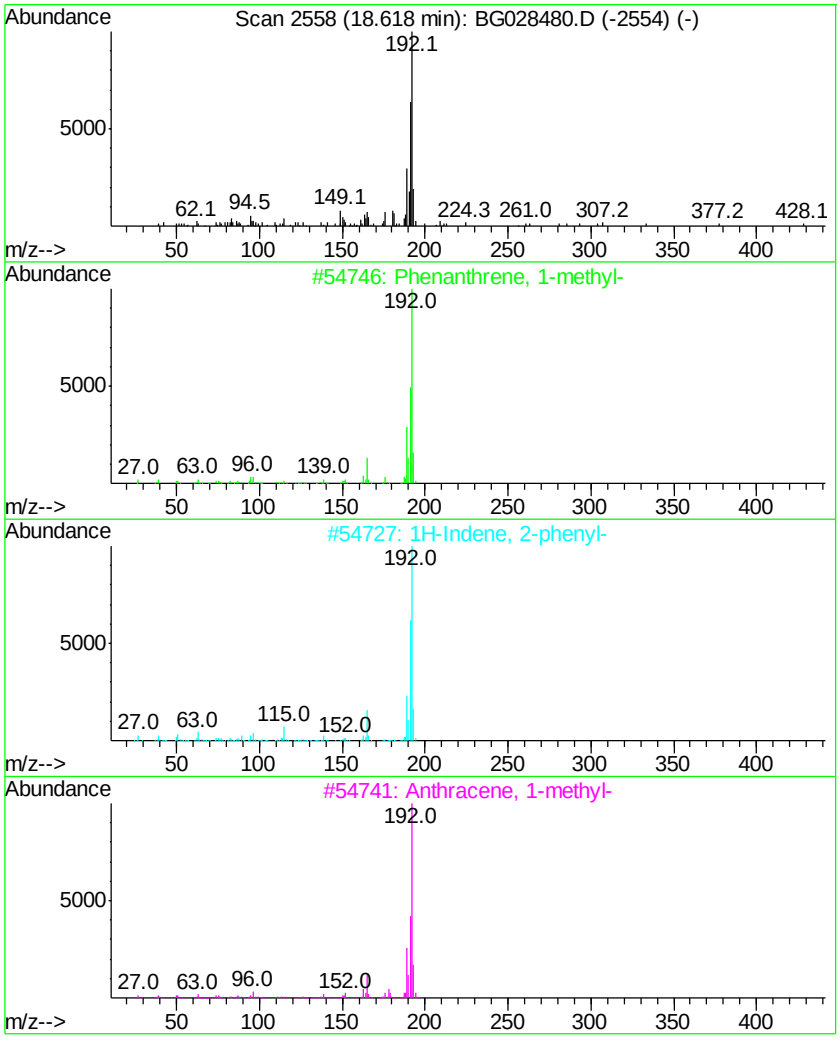
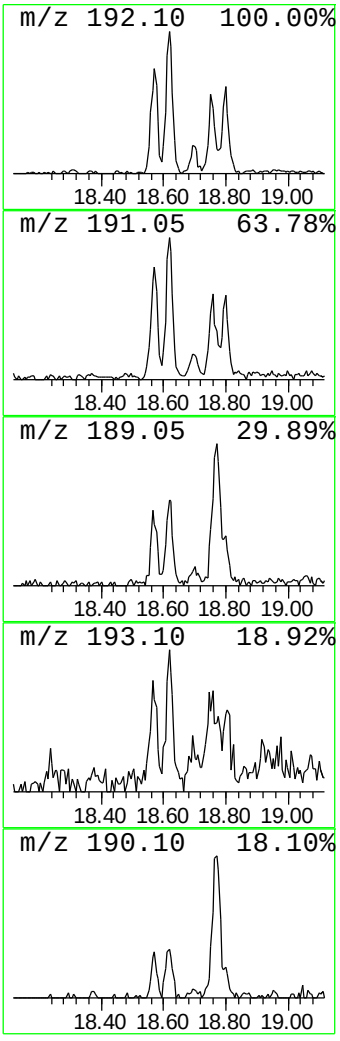
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.82 ng/ul	106798	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028480.D
Acq On : 25 Aug 2017 4:41
Operator : SJ/JU
Sample : I4840-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AJ7

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

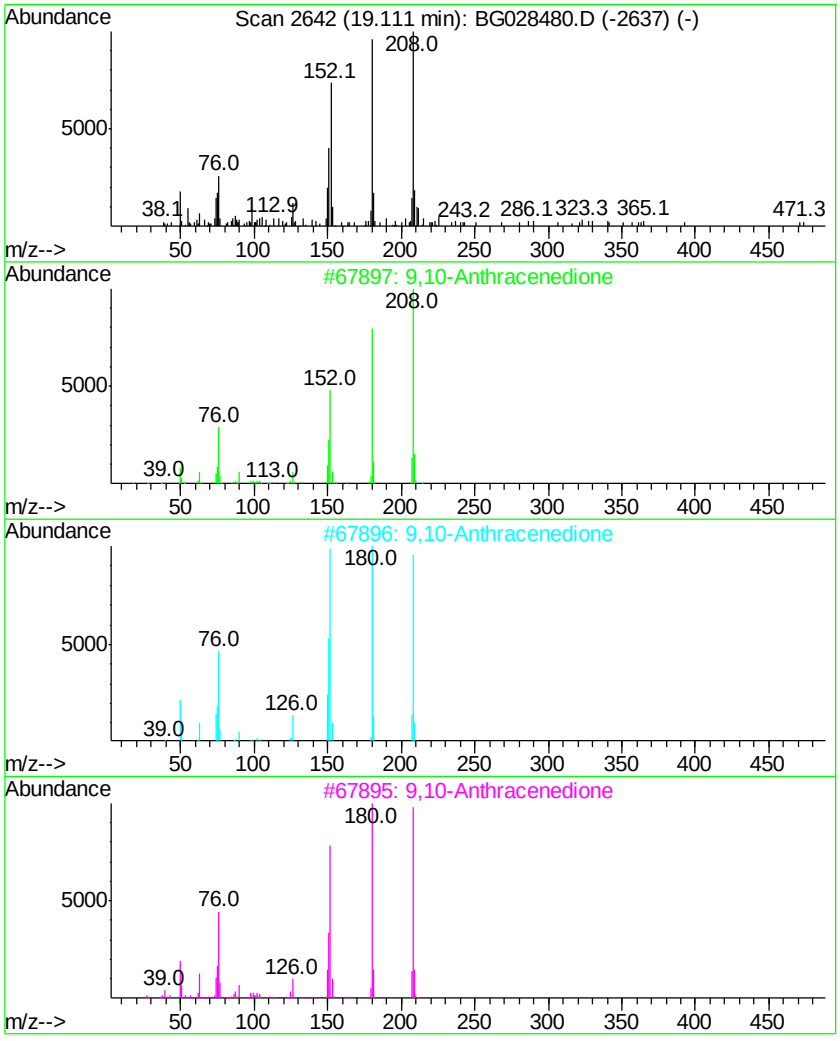
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

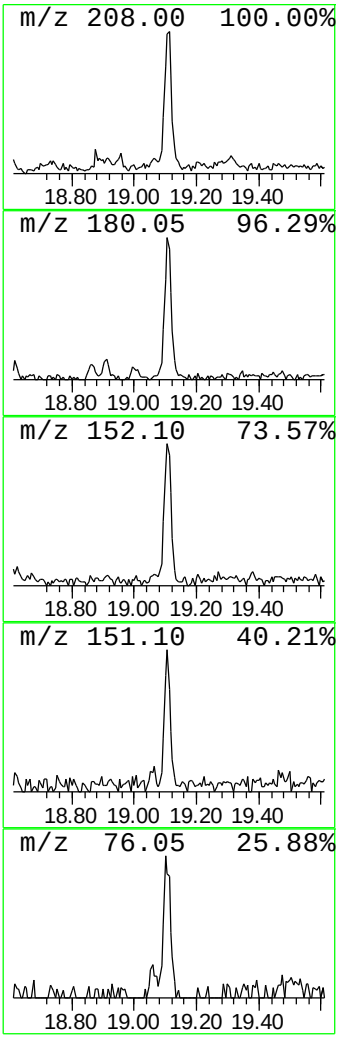
****

Peak Number 6 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	2.31 ng/ul	87267	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG082417\
Data File : BG028480.D
Acq On : 25 Aug 2017 4:41
Operator : SJ/JU
Sample : I4840-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AJ7

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

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

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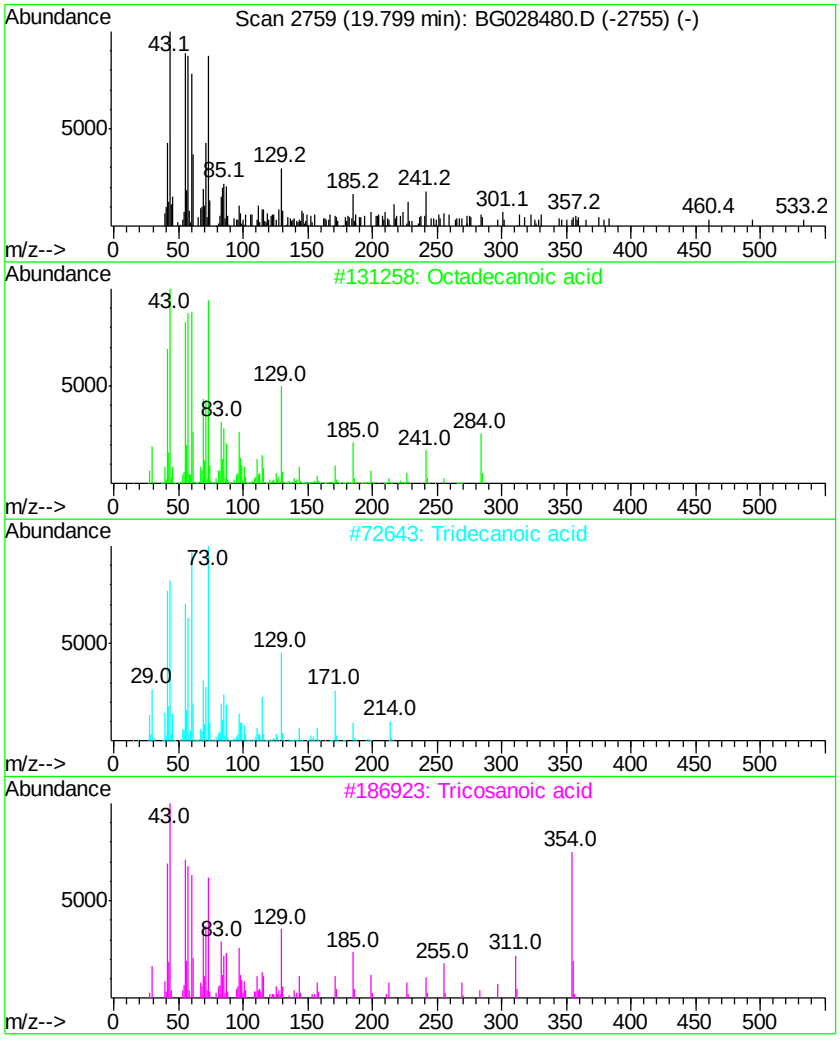
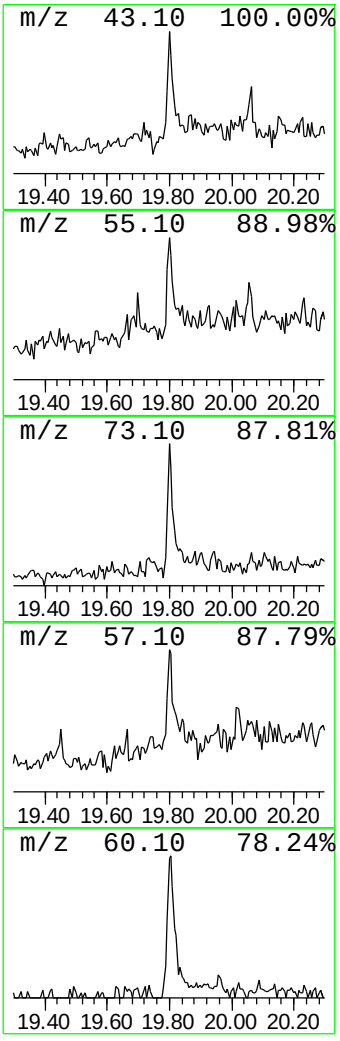
Peak Number 7 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	3.05 ng/ul	115427	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	72
2	Tridecanoic acid	214	C13H26O2	000638-53-9	68
3	Tricosanoic acid	354	C23H46O2	002433-96-7	66
4	Octadecanoic acid	284	C18H36O2	000057-11-4	64
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082417\
Data File : BG028480.D
Acq On : 25 Aug 2017 4:41
Operator : SJ/JU
Sample : I4840-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AJ7

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	4.33	2.1	ng/ul	29635	1	8.34	282595	20.0
2-Pentanone, 4-hy...	5.45	3.4	ng/ul	47348	1	8.34	282595	20.0
unknown-02	15.33	2.3	ng/ul	71189	3	14.95	632388	20.0
Tridecanoic acid	18.55	5.2	ng/ul	197587	4	17.70	756861	20.0
Phenanthrene, 1-m...	18.62	2.8	ng/ul	106798	4	17.70	756861	20.0
9,10-Anthracenedione	19.11	2.3	ng/ul	87267	4	17.70	756861	20.0
Octadecanoic acid	19.80	3.0	ng/ul	115427	4	17.70	756861	20.0