LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
Data File : BG054948.D
Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OH-SOIL-0913

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-BG082522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054948.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.196	318	325	335	rVB	35605	62304	2.84%	0.174%
2	5.678	400	407	417	rBV	428108	714526	32.62%	1.995%
3	7.294	670	682	696	rBV	429363	817736	37.33%	2.283%
4	8.087	811	817	820	rVV	55338	82911	3.79%	0.232%
5	8.134	820	825	831	rVB	120917	194994	8.90%	0.544%
6	8.410	867	872	878	rVB	41393	72716	3.32%	0.203%
7	8.969	962	967	973	rBV5	44723	98424	4.49%	0.275%
8	9.239	1001	1013	1018	rBV3	89997	208910	9.54%	0.583%
9	9.309	1018	1025	1035	rVB	271880	550964	25.15%	1.538%
10	9.444	1043	1048	1051	rBV4	30567	64894	2.96%	0.181%
11	9.591	1067	1073	1083	rVB6	34931	93644	4.28%	0.261%
12	9.697	1083	1091	1097	rBV5	26981	76744	3.50%	0.214%
13	9.768	1097	1103	1108	rVV	73629	139077	6.35%	0.388%
14	9.867	1115	1120	1129	rVB3	54281	126227	5.76%	0.352%
15	10.026	1136	1147	1148	rBV5	38183	98229	4.48%	0.274%
16	10.055	1148	1152	1157	rVB	67563	110477	5.04%	0.308%
17	10.126	1157	1164	1169	rBV4	70472	139653	6.38%	0.390%
18	10.349	1195	1202	1208	rBV3	71063	157441	7.19%	0.440%
19	10.526	1224	1232	1238	rBV7	34976	94449	4.31%	0.264%
20	10.643	1247	1252	1259	rBV2	51766	106748	4.87%	0.298%
21	10.931	1292	1301	1302	rBV6	62974	138021	6.30%	0.385%
22	10.960	1302	1306	1313	rVB2	164386	307349	14.03%	0.858%
23	11.084	1319	1327	1333	rVB2	236165	505708	23.09%	1.412%
24	11.160	1333	1340	1346	rBV4	83608	191596	8.75%	0.535%
25	11.319	1359	1367	1371	rBV7	43088	91144	4.16%	0.254%
26	11.430	1380	1386	1392	rVB6	51120	119437	5.45%	0.333%
27	11.642	1414	1422	1431	rVV5	142118	350506	16.00%	0.979%
28	11.777	1441	1445	1452	rVB8	44176	88796	4.05%	0.248%
29	11.865	1453	1460	1465	rBV4	109098	215401	9.83%	0.601%
30	11.947	1469	1474	1479	rVV	304708	482534	22.03%	1.347%
31	11.994	1479	1482	1486	rVV4	69175	115846	5.29%	0.323%
32	12.053	1486	1492	1497	rVB4	93912	207577	9.48%	0.580%
33	12.141	1503	1507	1513	rBV4	93467	182554	8.33%	0.510%
34	12.335	1535	1540	1547	rBV3	88553	249121	11.37%	0.696%
35	12.429	1553	1556	1560	rBV	52583	70143	3.20%	0.196%
36	12.558	1571	1578	1585	rVB5	176656	406449	18.56%	1.135%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
Data File : BG054948.D
Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OH-SOIL-0913

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-BG082522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.694	1597	1601	1605	rVB5	63626	109485	5.00%	0.306%
38	12.741	1606	1609	1612	rBV3	54962	90370	4.13%	0.252%
39	12.899	1633	1636	1644	rVB5	79672	159521	7.28%	0.445%
40	12.976	1644	1649	1653	rBV8	60340	122336	5.59%	0.342%
41	13.034	1655	1659	1667	rVB2	174104	320564	14.63%	0.895%
42	13.287	1696	1702	1711	rBV	485202	817263	37.31%	2.282%
43	13.393	1715	1720	1730	rVB	732642	1285509	58.69%	3.589%
44	13.557	1744	1748	1750	rBV3	105710	172578	7.88%	0.482%
45	13.651	1760	1764	1768	rBV4	83136	174199	7.95%	0.486%
46	13.704	1769	1773	1783	rVV3	149096	332728	15.19%	0.929%
47	13.804	1786	1790	1798	rVB	183157	353754	16.15%	0.988%
48	13.939	1808	1813	1814	rBV	335304	497787	22.73%	1.390%
49	14.098	1834	1840	1845	rBV	556962	987028	45.06%	2.756%
50	14.145	1845	1848	1852	rVV2	170699	232979	10.64%	0.651%
51	14.186	1852	1855	1858	rVV	291692	423201	19.32%	1.182%
52	14.221	1858	1861	1866	rVB2	741800	1039838	47.47%	2.903%
53	14.327	1875	1879	1884	rBV	197715	311099	14.20%	0.869%
54	14.503	1904	1909	1915	rBV5	222525	472098	21.55%	1.318%
55	14.591	1920	1924	1931	rVB2	266767	428127	19.55%	1.195%
56	14.715	1941	1945	1947	rBV3	120547	193489	8.83%	0.540%
57	14.768	1951	1954	1959	rVV	308690	510058	23.29%	1.424%
58	14.815	1959	1962	1964	rVV	83692	109038	4.98%	0.304%
59	14.844	1964	1967	1972	rVB4	138338	210315	9.60%	0.587%
60	14.973	1984	1989	1998	rVB2	403866	918777	41.95%	2.565%
61	15.055	1999	2003	2011	rBV4	149708	366105	16.71%	1.022%
62	15.161	2014	2021	2029	rVB2	505338	1056703	48.24%	2.951%
63	15.244	2030	2035	2043	rVV3	447371	813547	37.14%	2.272%
64	15.385	2053	2059	2063	rBV	450630	814075	37.17%	2.273%
65	15.437	2064	2068	2071	rVV	292905	381669	17.42%	1.066%
66	15.479	2072	2075	2080	rVB2	144732	205829	9.40%	0.575%
67	15.555	2081	2088	2091	rBV3	327371	711751	32.49%	1.987%
68	15.808	2127	2131	2135	rBV2	131806	233172	10.65%	0.651%
69	15.855	2137	2139	2143	rVB2	111165	150741	6.88%	0.421%
70	15.949	2151	2155	2157	rBV	208777	289123	13.20%	0.807%
71	15.990	2157	2162	2166	rVB	592434	902072	41.18%	2.519%
72	16.084	2174	2178	2182	rBV3	114911	222369	10.15%	0.621%
73	16.260	2204	2208	2215	rBV4	520440	922514	42.12%	2.576%
74	16.325	2216	2219	2227	rVB3	154772	250344	11.43%	0.699%
75	16.471	2238	2244	2250	rBV2	1405421	2190397	100.00%	6.116%
76	16.618	2265	2269	2273	rBV	197926	292562	13.36%	0.817%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
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Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

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-BG082522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	16.877	2309	2313	2318	rVB3	283231	400398	18.28%	1.118%
78	17.024	2335	2338	2341	rBV3	116598	190407	8.69%	0.532%
79	17.065	2342	2345	2348	rVV4	106040	171882	7.85%	0.480%
80	17.171	2360	2363	2367	rVB3	123392	169047	7.72%	0.472%
81	17.288	2379	2383	2388	rBV	455107	637317	29.10%	1.780%
82	17.523	2418	2423	2427	rBV	338239	498195	22.74%	1.391%
83	17.564	2427	2430	2435	rVB	153307	197229	9.00%	0.551%
84	17.717	2452	2456	2460	rVB3	120622	168471	7.69%	0.470%
85	17.782	2465	2467	2475	rVB6	70927	144488	6.60%	0.403%
86	17.899	2483	2487	2507	rVB6	170222	696535	31.80%	1.945%
87	18.399	2567	2572	2575	rBV	149484	239589	10.94%	0.669%
88	18.446	2576	2580	2585	rVB	188154	296087	13.52%	0.827%
89	18.581	2600	2603	2607	rVV3	100594	145402	6.64%	0.406%
90	18.628	2608	2611	2616	rVB2	111878	153117	6.99%	0.428%
91	19.127	2693	2696	2701	rVB2	108938	156560	7.15%	0.437%
92	19.180	2702	2705	2709	rVV	74683	99462	4.54%	0.278%
93	19.303	2721	2726	2730	rBV	166474	256823	11.72%	0.717%
94	19.568	2767	2771	2777	rBV	69758	114616	5.23%	0.320%
95	19.932	2830	2833	2840	rVB2	104276	166429	7.60%	0.465%
96	19.997	2841	2844	2849	rVB	52838	74305	3.39%	0.207%
97	20.120	2860	2865	2870	rVB	1304123	1682423	76.81%	4.698%
98	21.413	3082	3085	3092	rVB3	36079	65530	2.99%	0.183%
99	21.812	3147	3153	3158	rBV	356699	608049	27.76%	1.698%
100	25.185	3719	3727	3743	rVB2	216363	673398	30.74%	1.880%

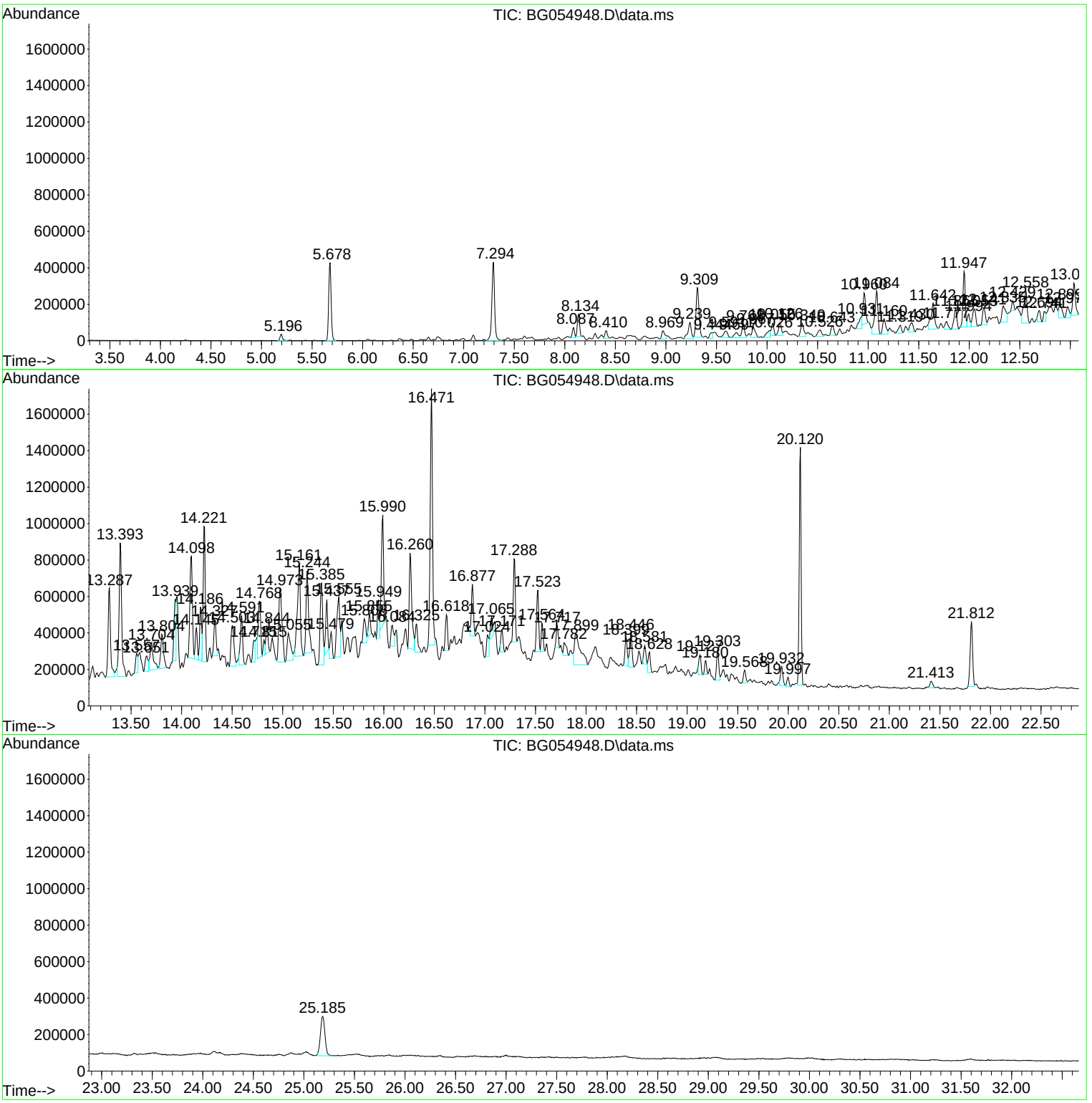
Sum of corrected areas: 35814123

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
Data File : BG054948.D
Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
Data File : BG054948.D
Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

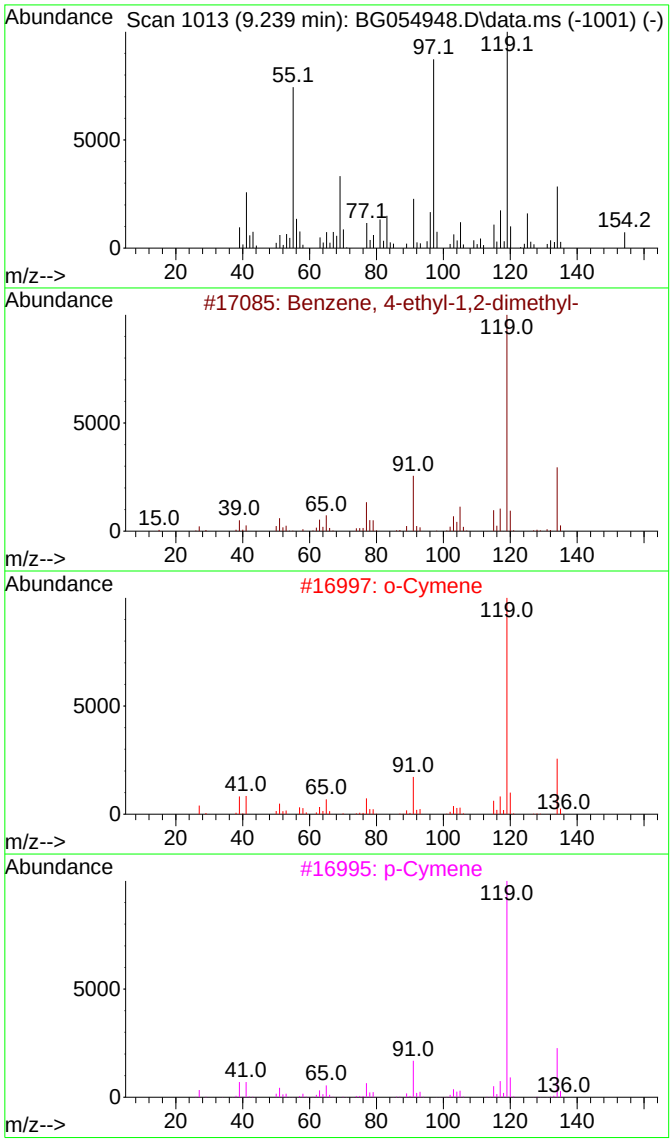
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

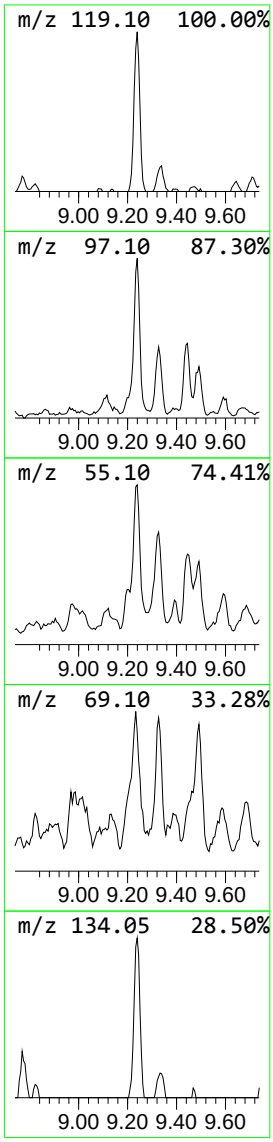
****

Peak Number 1 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.239	21.43 ng	208910	1,4-Dichlorobenzene-d4	8.134

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2	o-Cymene	134	C10H14	000527-84-4	89
3	p-Cymene	134	C10H14	000099-87-6	86
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	84
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
Data File : BG054948.D
Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

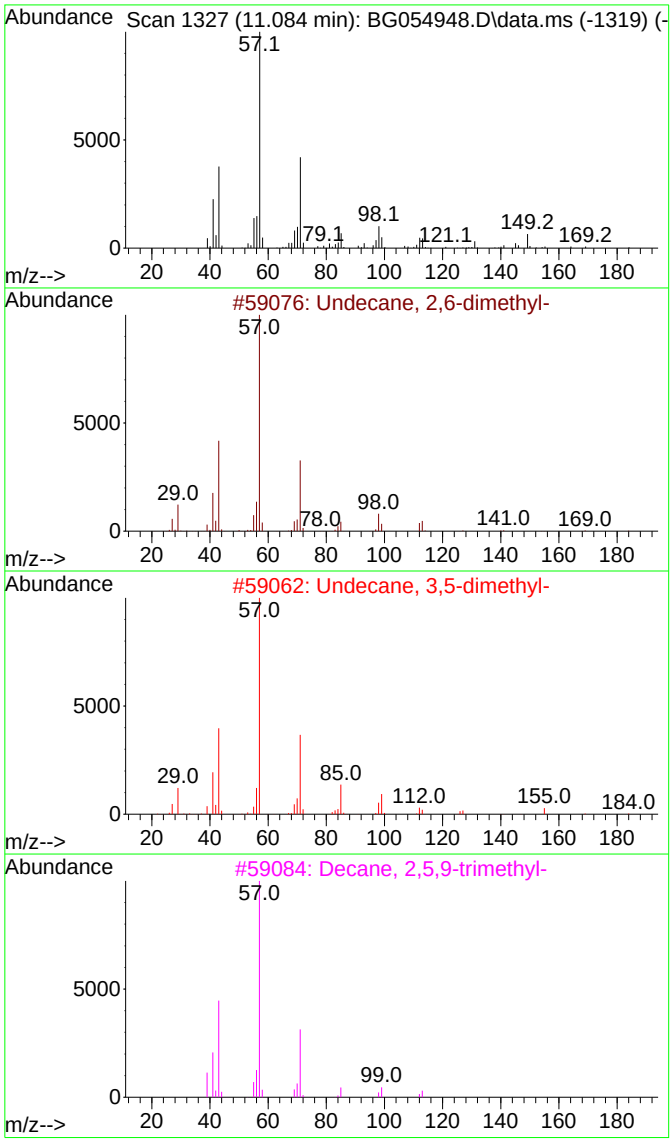
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

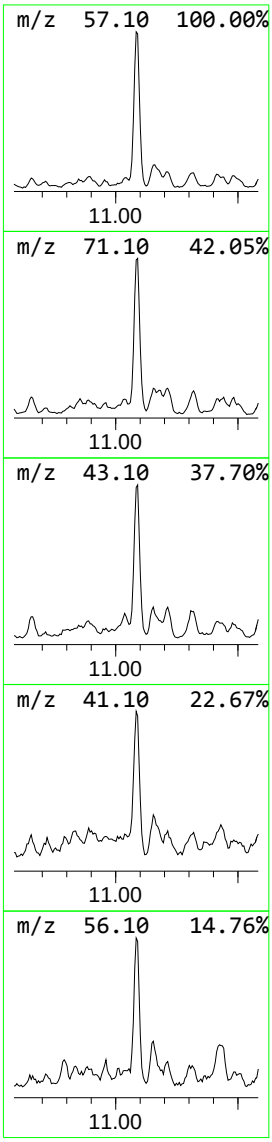
****

Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.084	32.91 ng	505708	Naphthalene-d8	10.960

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	95
2	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	74
3	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	64
4	Dodecane, 6-methyl-	184	C13H28	006044-71-9	64
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
Data File : BG054948.D
Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

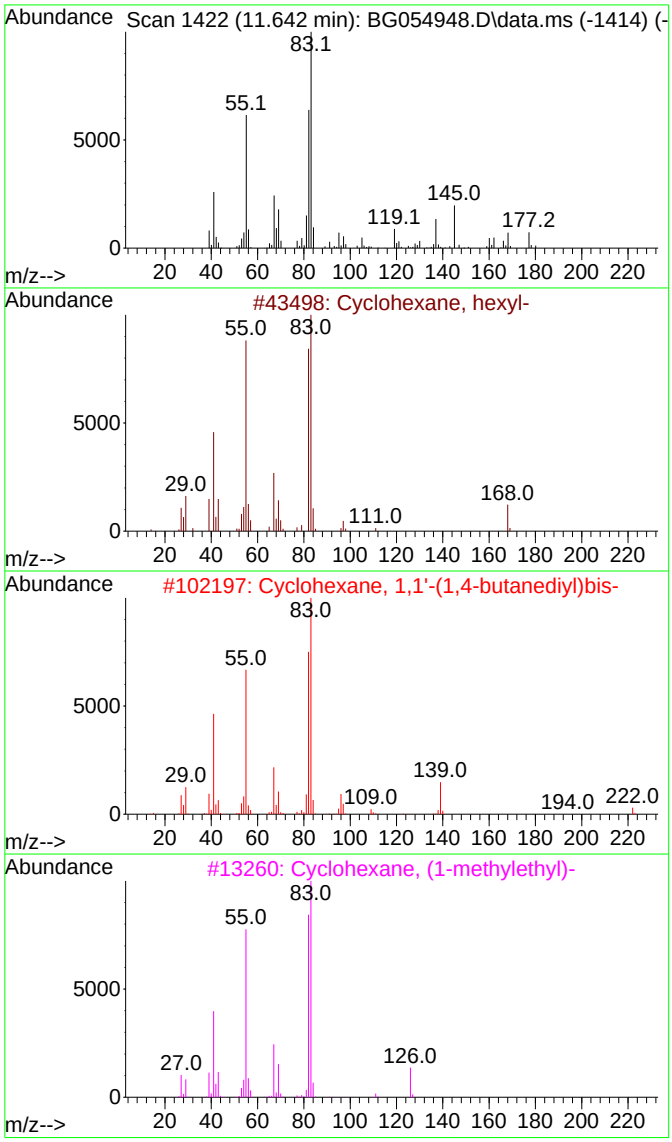
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

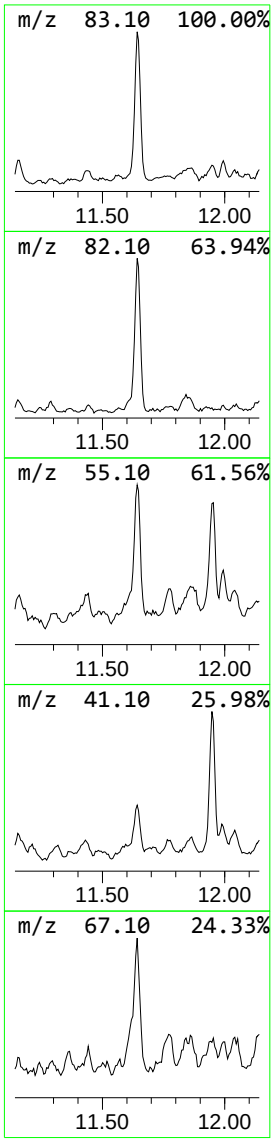
****

Peak Number 3 Cyclohexane, hexyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.642	22.81 ng	350506	Naphthalene-d8	10.960

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, hexyl-	168	C12H24	004292-75-5	76
2	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	59
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59
4	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	58
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
Data File : BG054948.D
Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

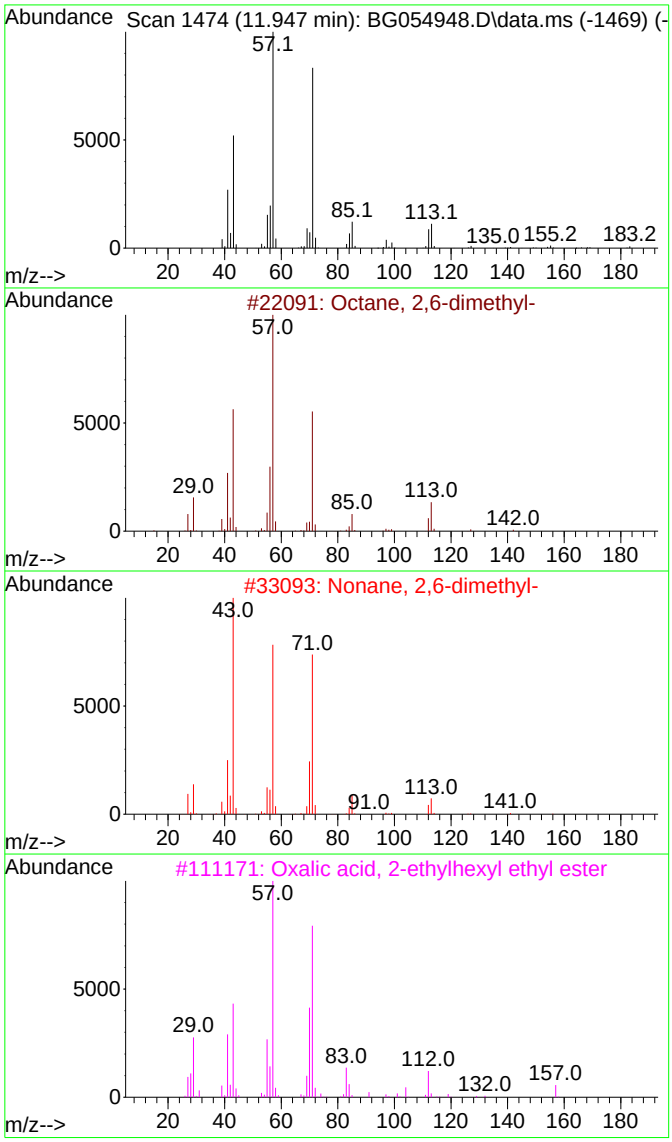
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

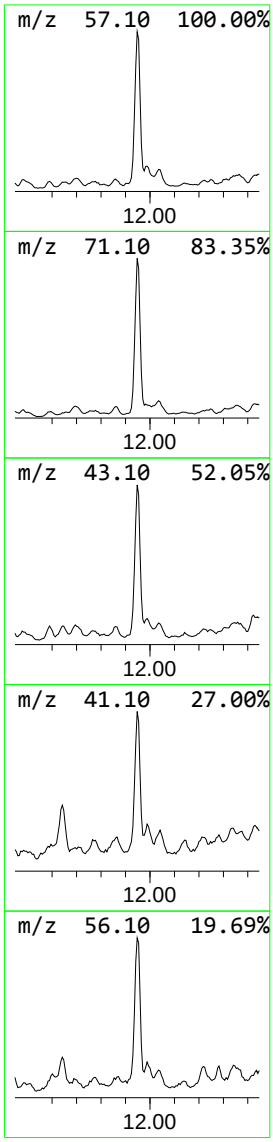
****

Peak Number 4 Octane, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.947	31.40 ng	482534	Naphthalene-d8	10.960

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	80
3	Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	72
4	Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	64
5	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
Data File : BG054948.D
Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

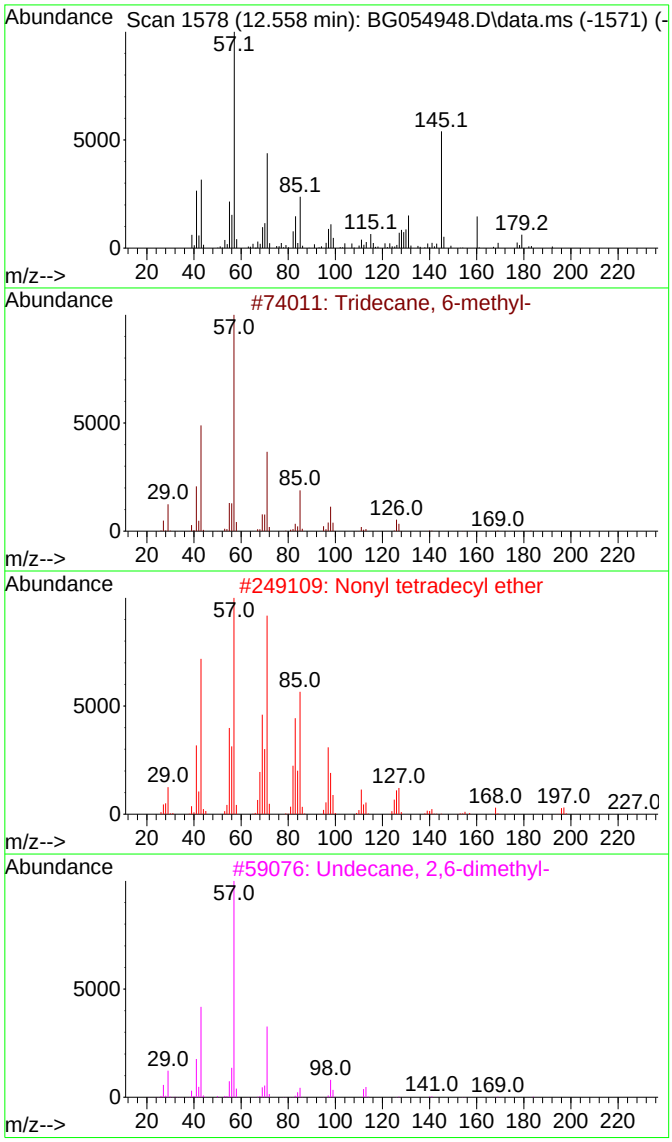
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

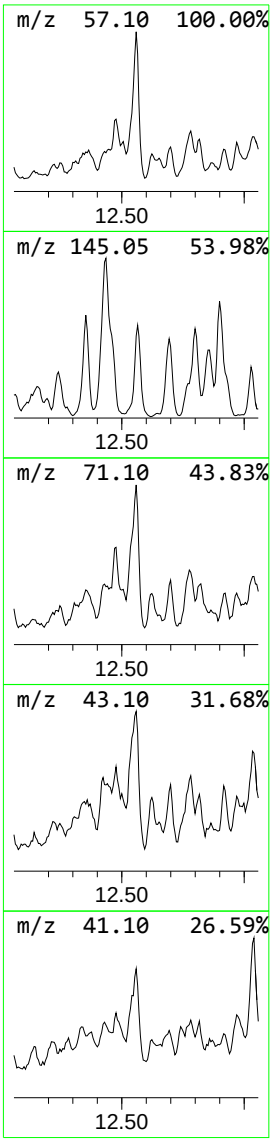
****

Peak Number 5 unknown12.558 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.558	26.45 ng	406449	Naphthalene-d8	10.960

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	46
2	Nonyl tetradecyl ether	340	C23H48O	1000406-37-6	38
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	35
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	25
5	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	25





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Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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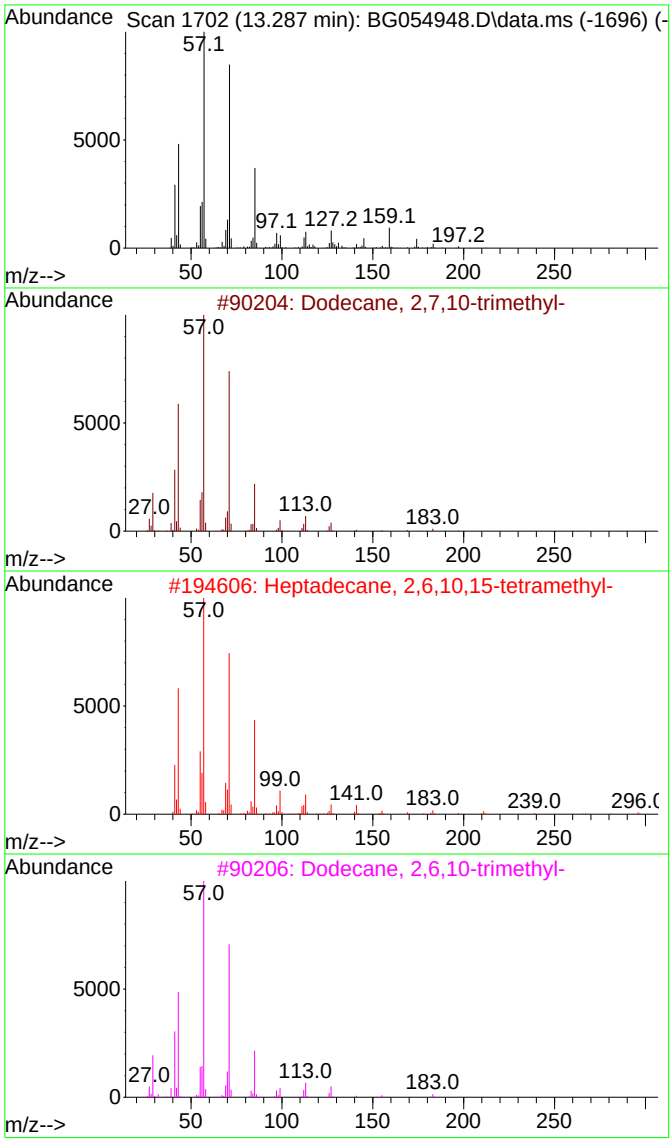
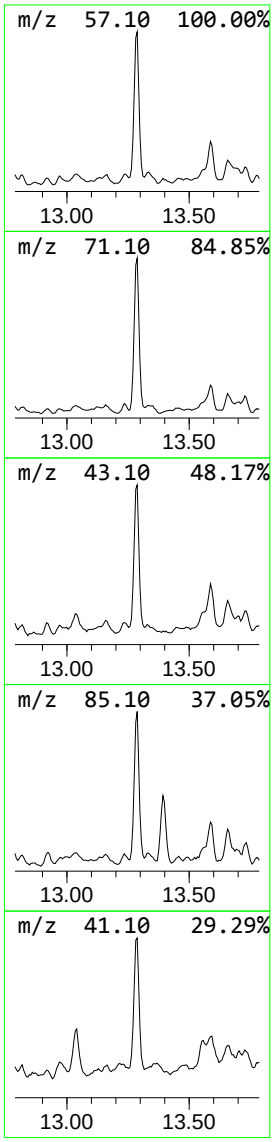
Peak Number 6 Dodecane, 2,7,10-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.287	32.05 ng	817263	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	83
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
5	Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	72





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Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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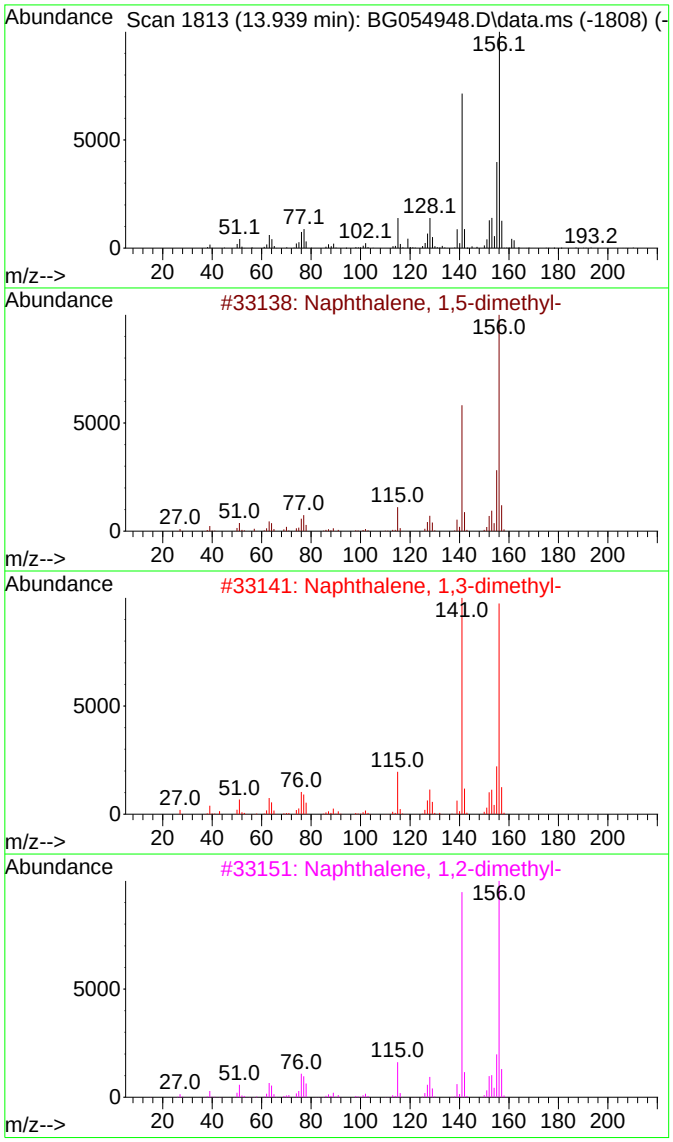
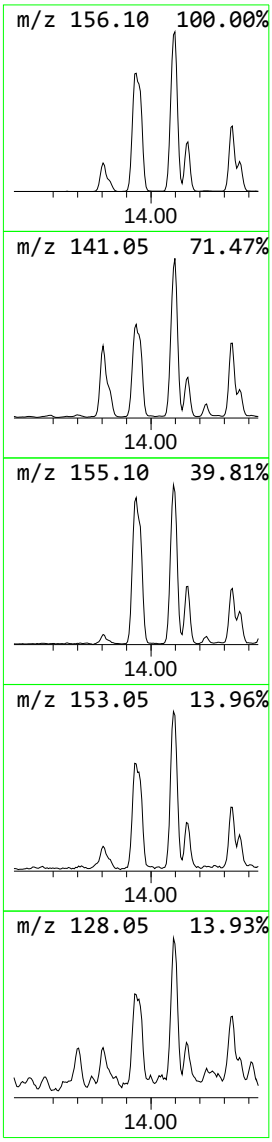
Peak Number 7 Naphthalene, 1,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.939	19.52 ng	497787	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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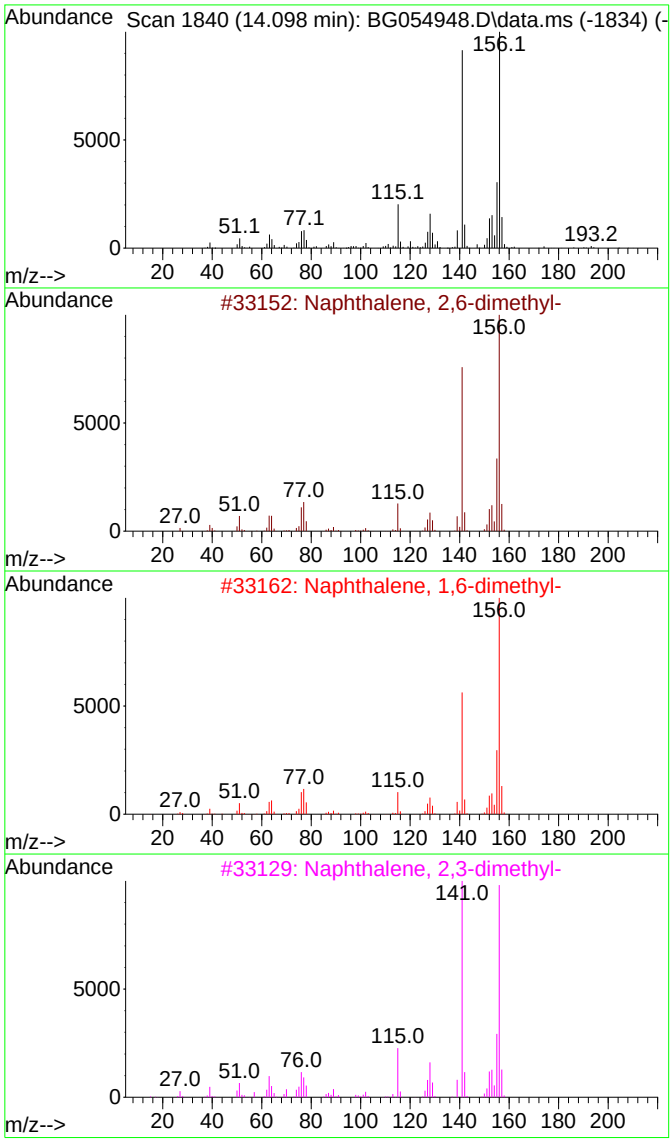
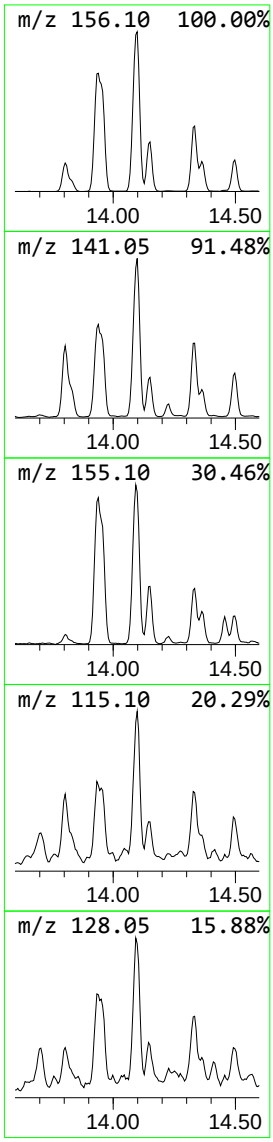
Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.098	38.70 ng	987028	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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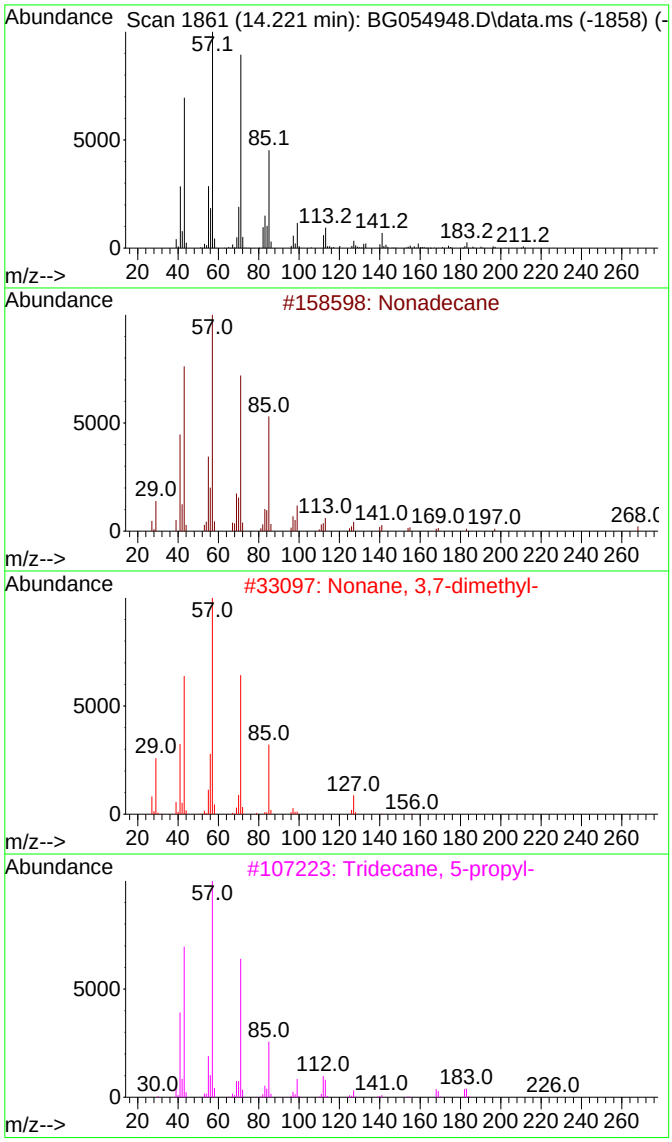
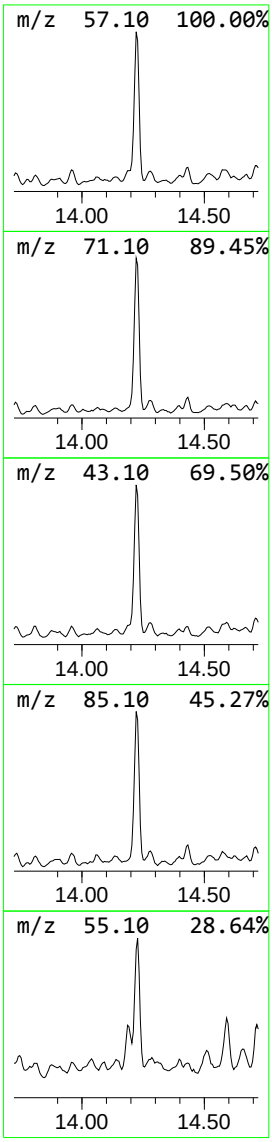
Peak Number 9 Nonadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.221	40.77 ng	1039840	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	74
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	58
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	58
5	Tridecane	184	C13H28	000629-50-5	58





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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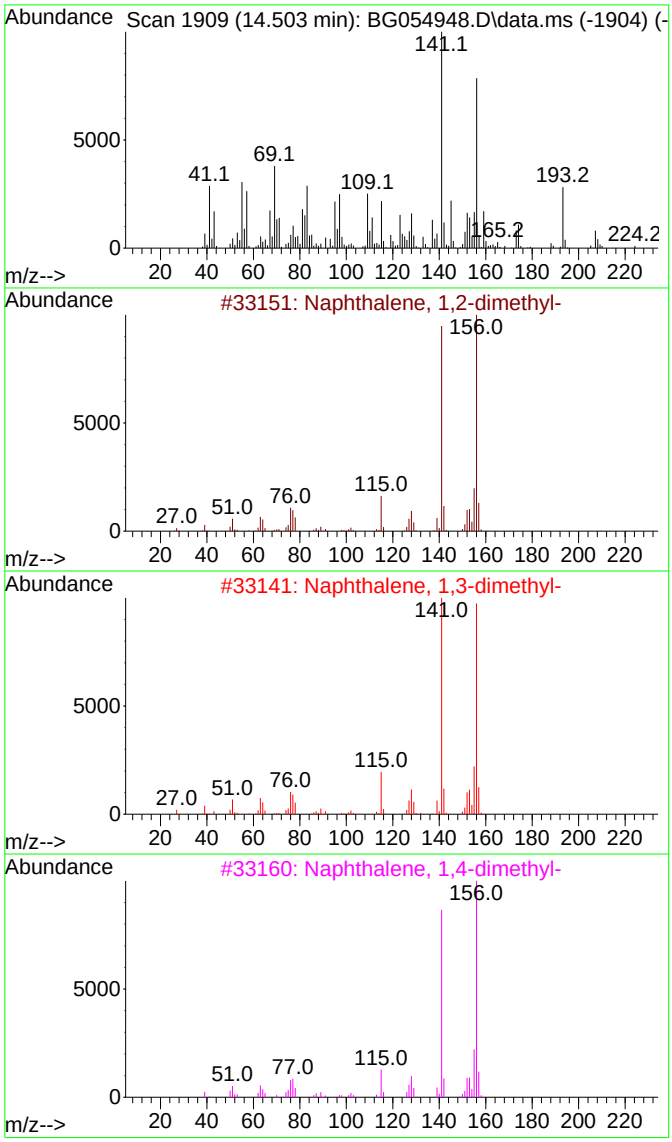
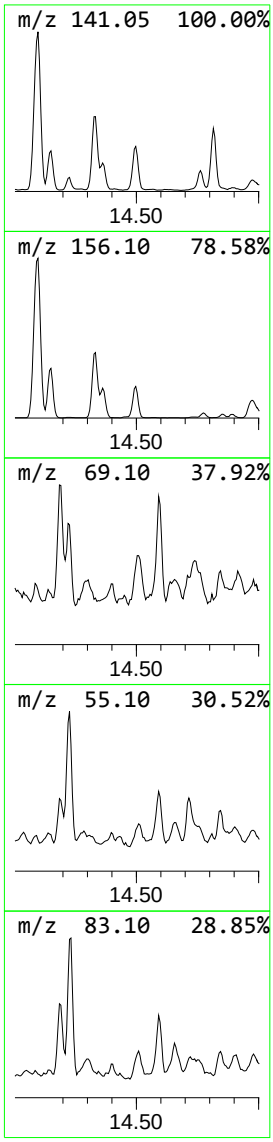
Peak Number 10 Naphthalene, 1,2-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.503	18.51 ng	472098	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	70
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	70
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	70
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	55
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	55





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Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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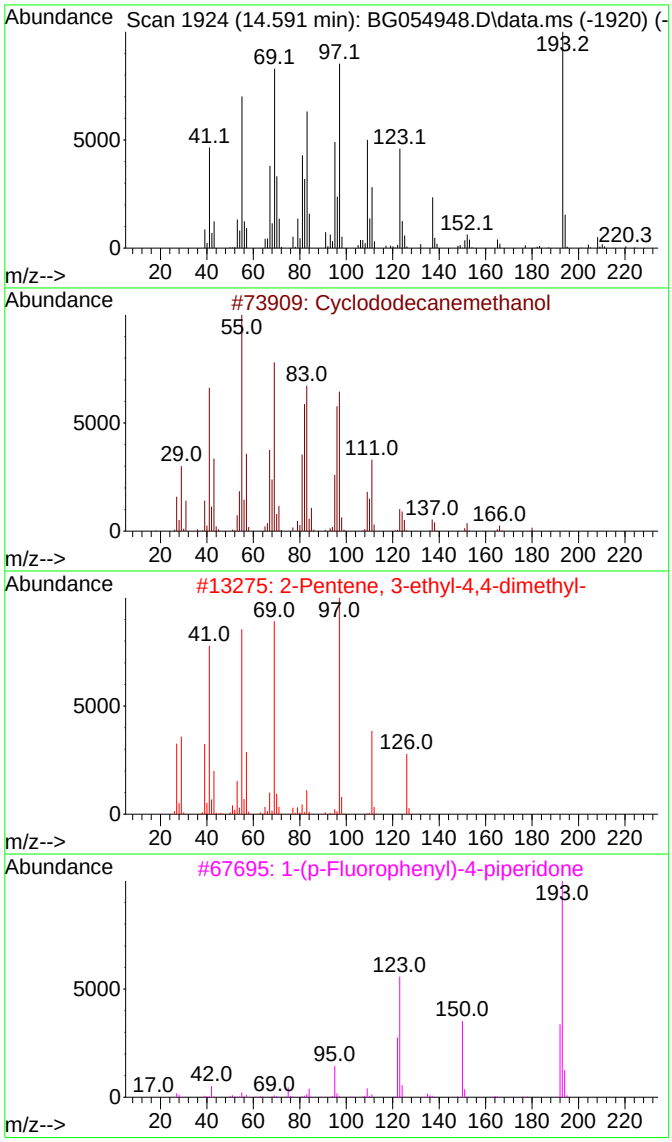
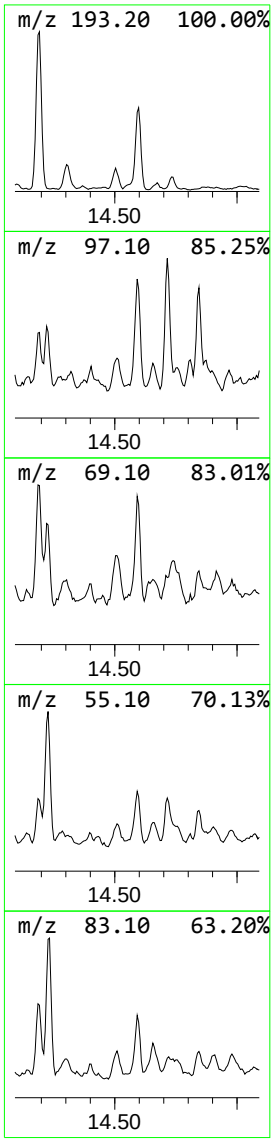
Peak Number 11 unknown14.591 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.591	16.79 ng	428127	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclododecanemethanol	198	C13H26O	001892-12-2	27
2	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	27
3	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	22
4	(2,4-Dimethylcyclohexyl)methanol...	142	C9H18O	1000499-02-8	22
5	Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054823-96-0	18





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Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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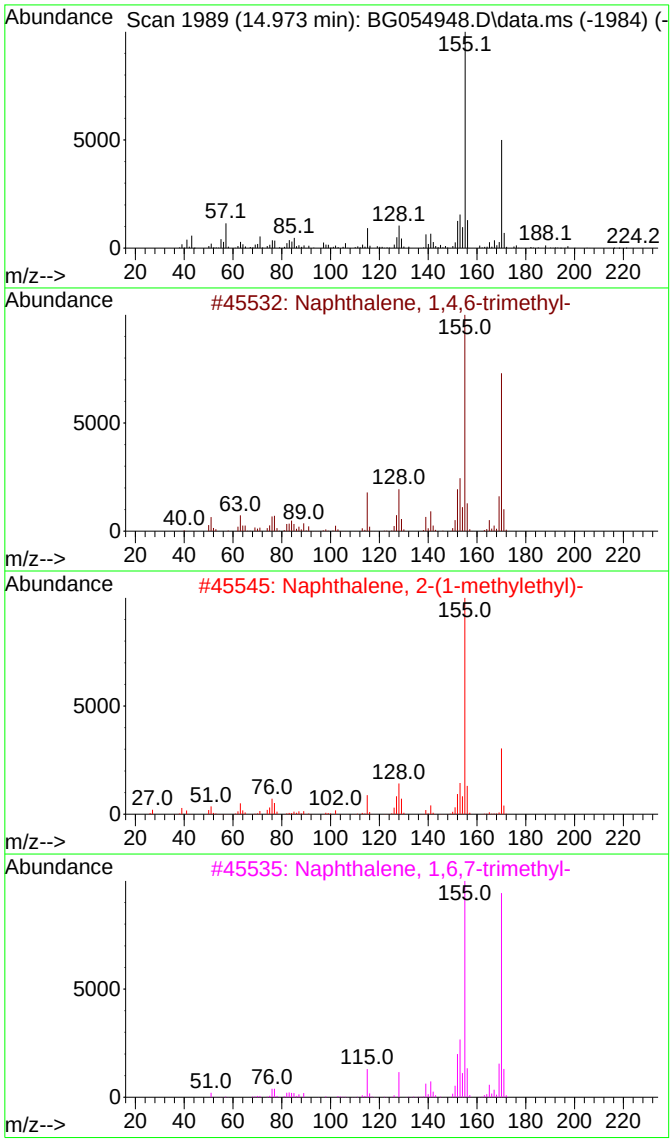
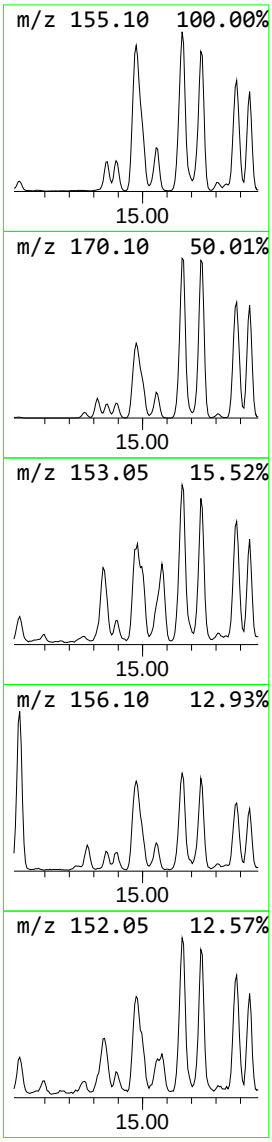
Peak Number 12 Naphthalene, 1,4,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.973	36.03 ng	918777	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	92
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89
4	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	74
5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	72





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Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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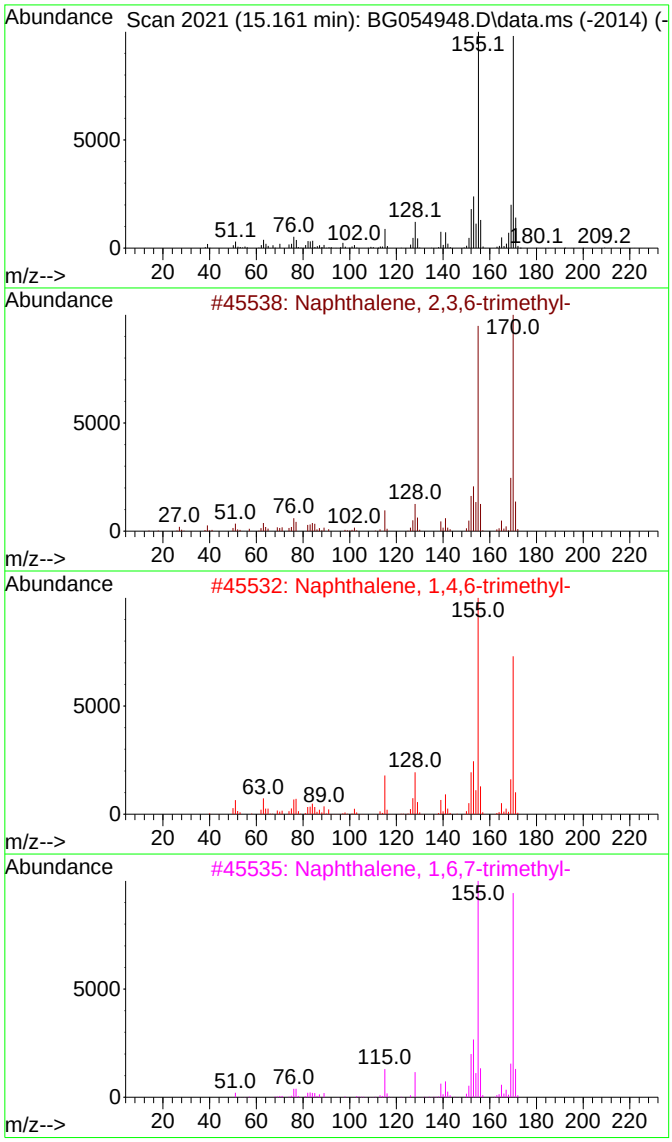
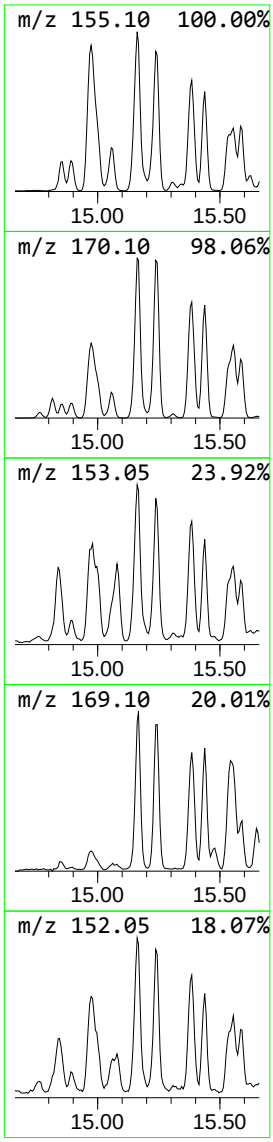
Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.161	41.43 ng	1056700	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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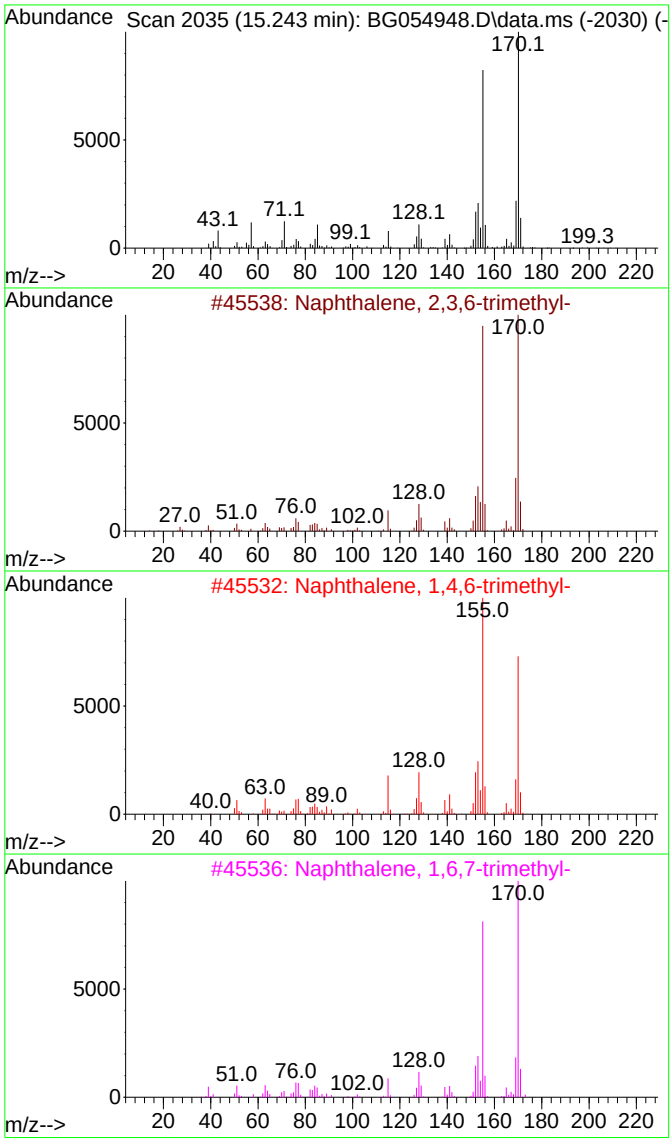
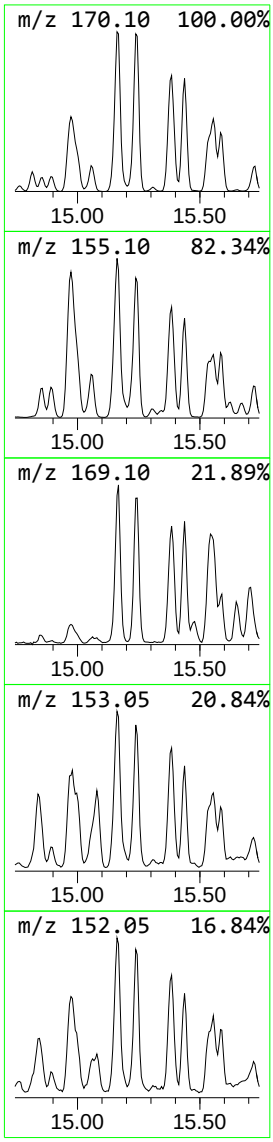
Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.243	31.90 ng	813547	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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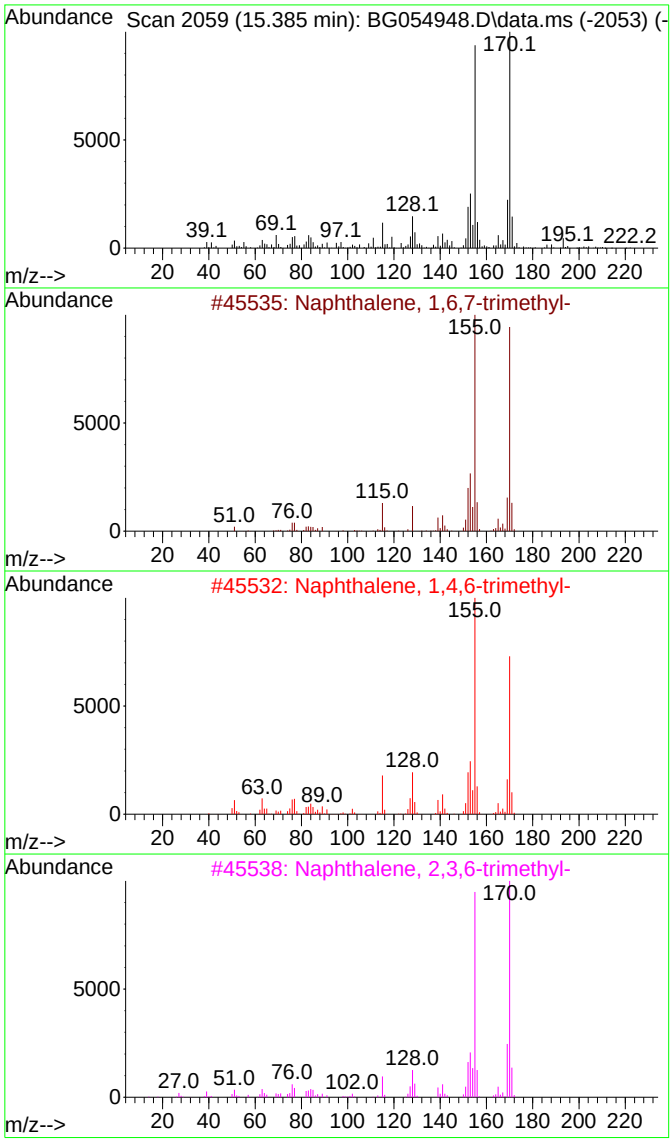
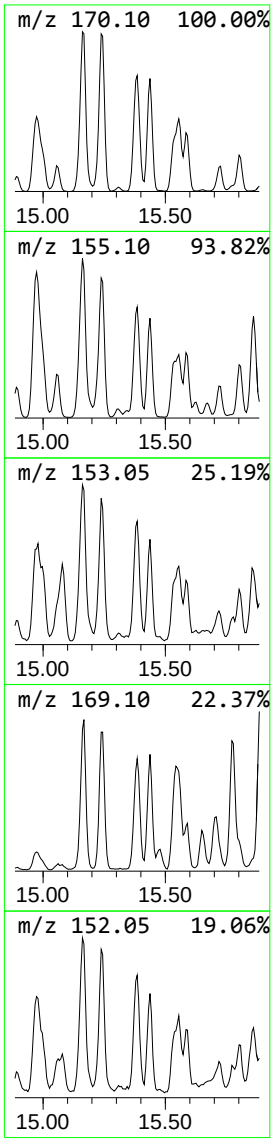
Peak Number 15 4,6,8-Trimethylazulene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.384	31.92 ng	814075	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91





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ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :
OH-SOIL-0913

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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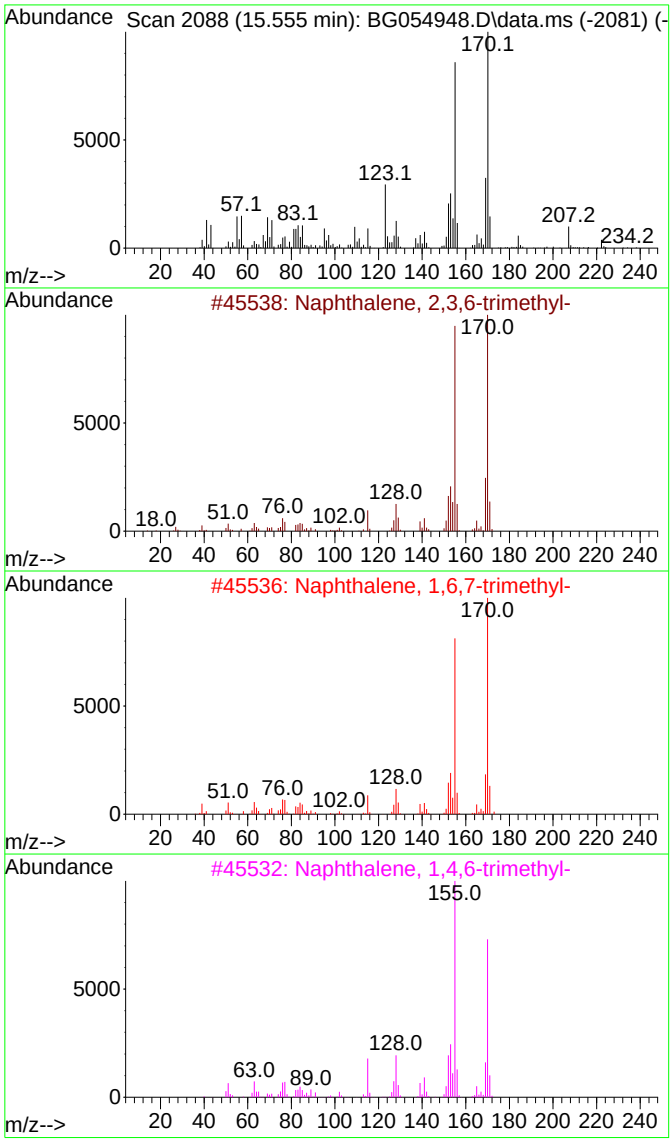
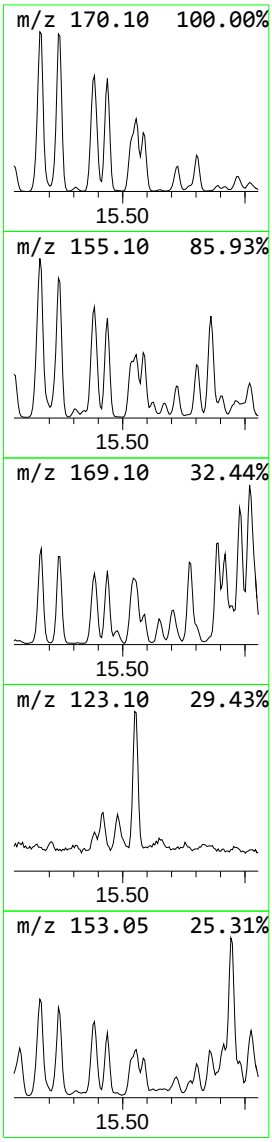
Peak Number 16 Naphthalene, 1,4,5-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.555	27.91 ng	711751	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
Data File : BG054948.D
Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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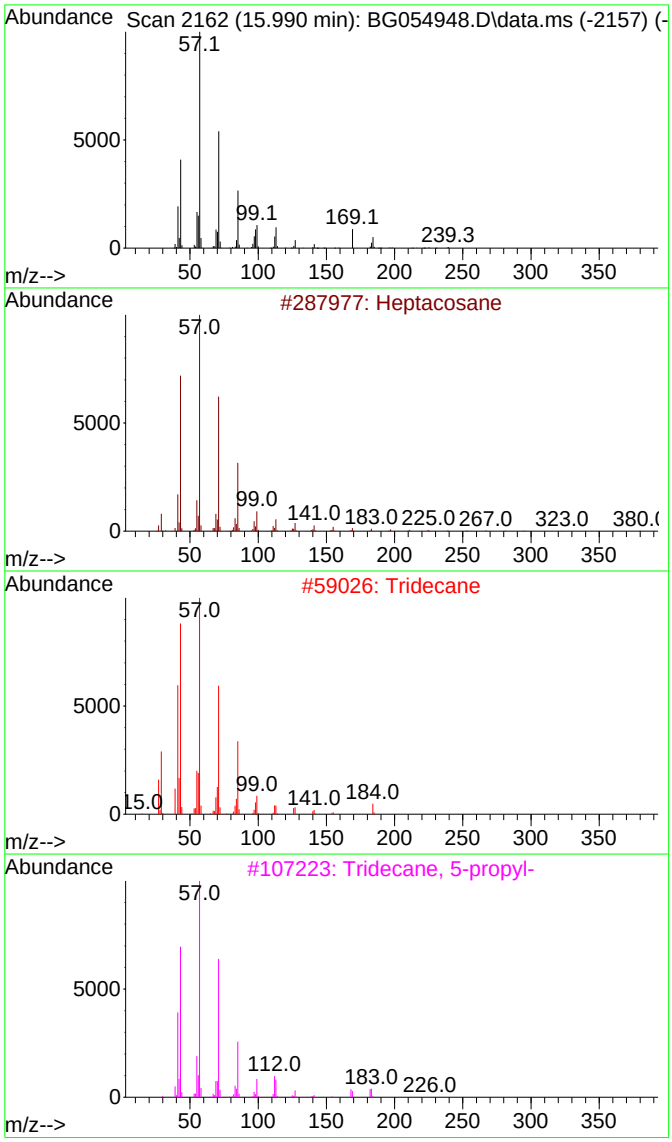
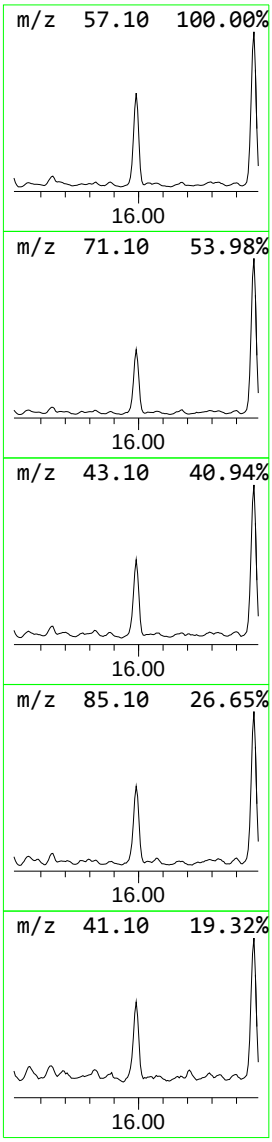
Peak Number 17 Heptacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.990	35.37 ng	902072	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	86
2	Tridecane	184	C13H28	000629-50-5	86
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	80
4	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	78
5	Hexadecane	226	C16H34	000544-76-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
Data File : BG054948.D
Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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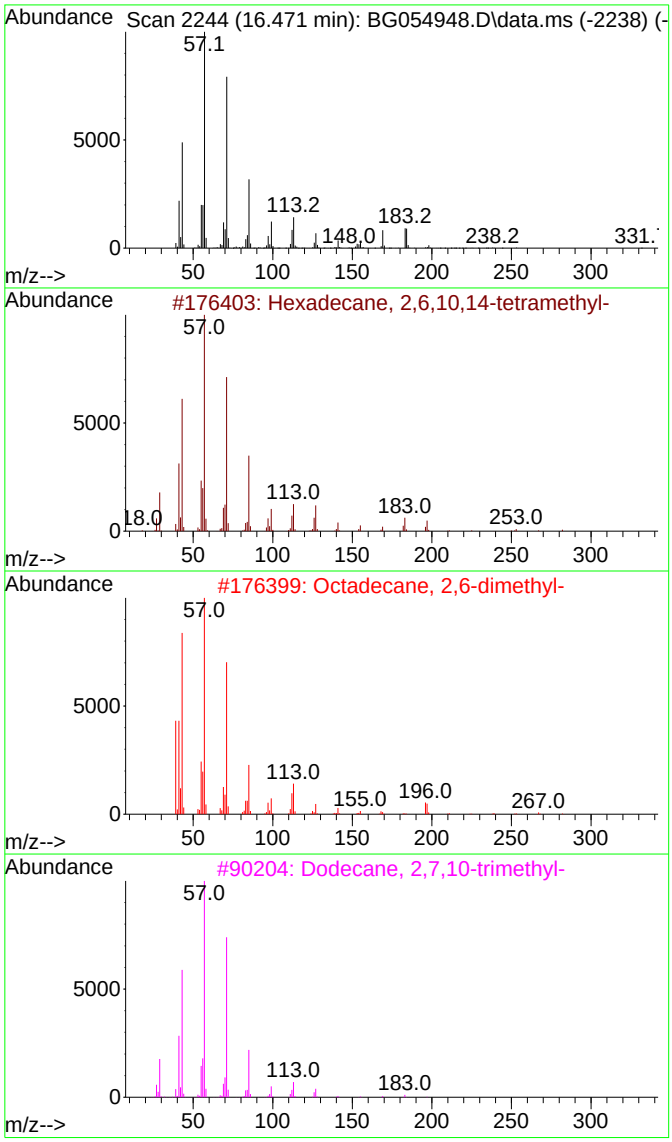
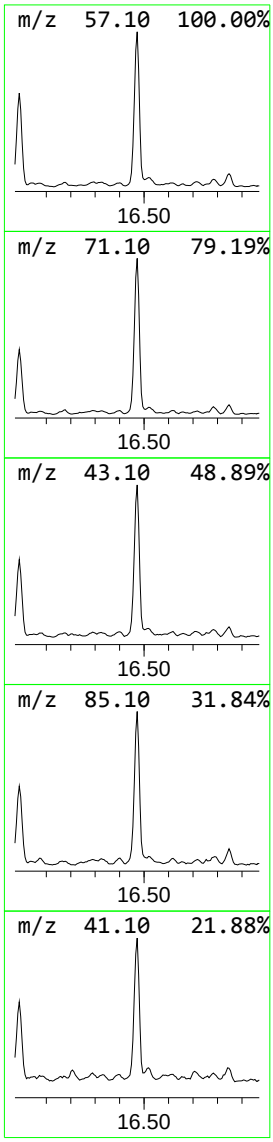
Peak Number 18 Hexadecane, 2,6,10,14-tetra... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.471	87.93 ng	2190400	Phenanthrene-d10	17.523

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
2	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	80
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4	Tridecane, 7-methyl-	198	C14H30	026730-14-3	76
5	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	72





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Data File : BG054948.D
Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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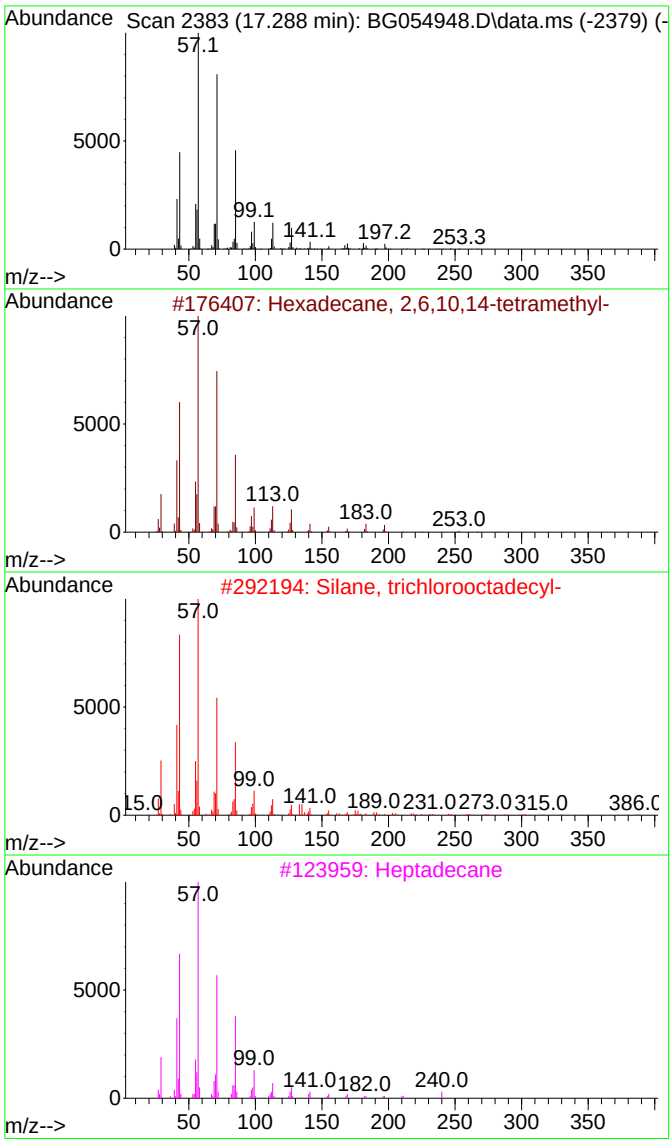
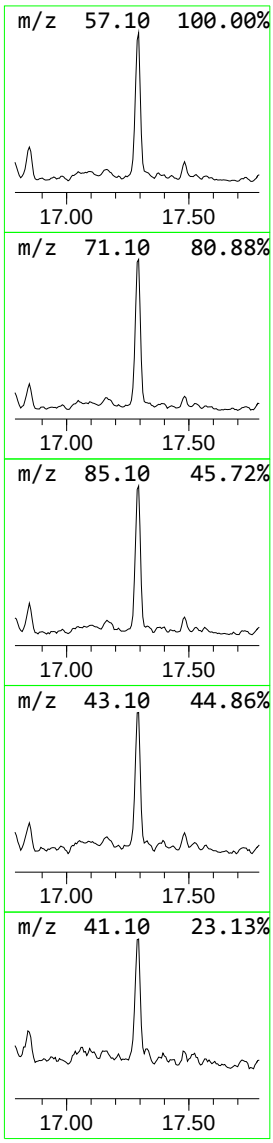
Peak Number 19 Silane, trichlorooctadecyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.288	25.59 ng	637317	Phenanthrene-d10	17.523

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
2	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	83
3	Heptadecane	240	C17H36	000629-78-7	83
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	81
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
Data File : BG054948.D
Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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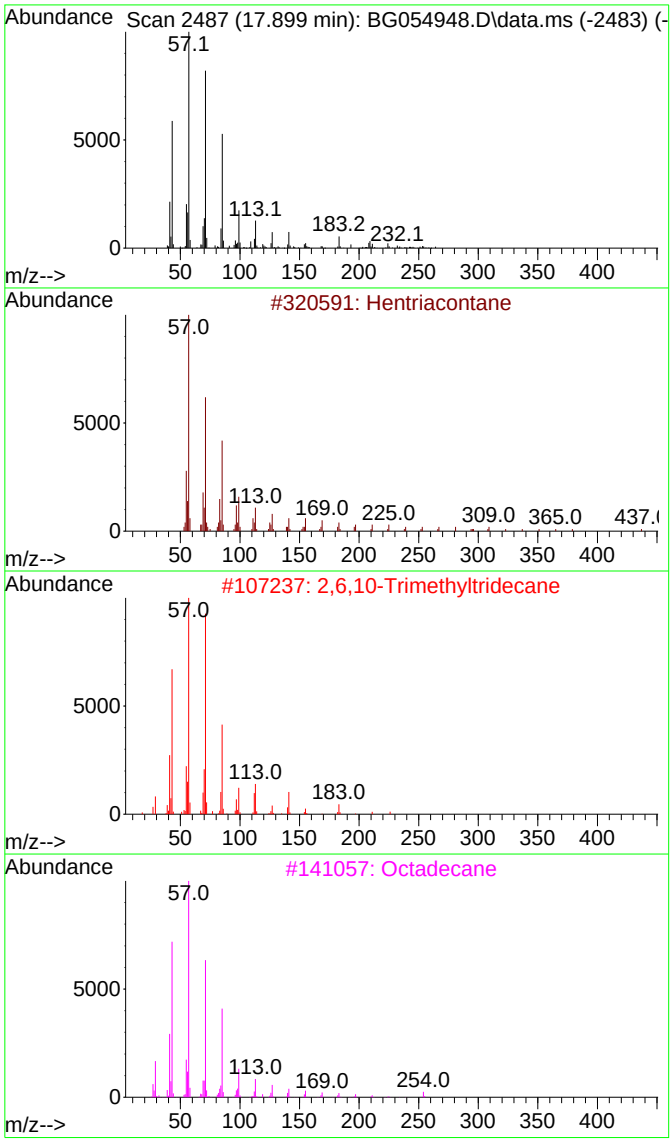
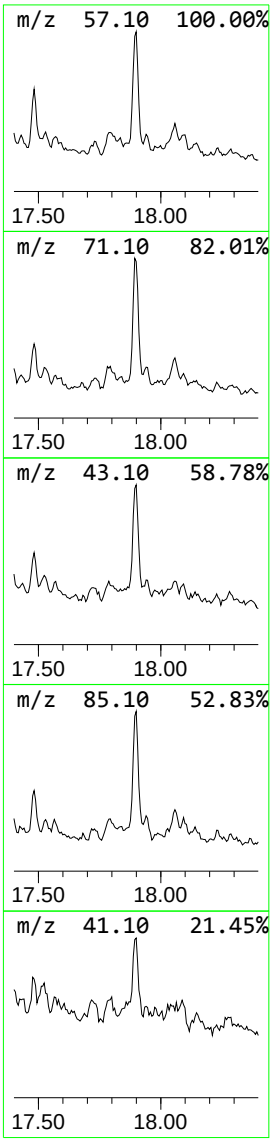
Peak Number 20 Hentriacontane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.899	27.96 ng	696535	Phenanthrene-d10	17.523

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	90
2	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	90
3	Octadecane	254	C18H38	000593-45-3	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	Heneicosane	296	C21H44	000629-94-7	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091422\
Data File : BG054948.D
Acq On : 14 Sep 2022 18:04
Operator : CG/JU
Sample : N4600-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OH-SOIL-0913

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 4-ethy...	9.239	21.4	ng	208910	1	8.134	194994	20.0
Undecane, 2,6-d...	11.084	32.9	ng	505708	2	10.960	307349	20.0
Cyclohexane, he...	11.642	22.8	ng	350506	2	10.960	307349	20.0
Octane, 2,6-dim...	11.947	31.4	ng	482534	2	10.960	307349	20.0
unknown12.558	12.558	26.4	ng	406449	2	10.960	307349	20.0
Dodecane, 2,7,1...	13.287	32.0	ng	817263	3	14.774	510058	20.0
Naphthalene, 1,...	13.939	19.5	ng	497787	3	14.774	510058	20.0
Naphthalene, 2,...	14.098	38.7	ng	987028	3	14.774	510058	20.0
Nonadecane	14.221	40.8	ng	1039840	3	14.774	510058	20.0
Naphthalene, 1,...	14.503	18.5	ng	472098	3	14.774	510058	20.0
unknown14.591	14.591	16.8	ng	428127	3	14.774	510058	20.0
Naphthalene, 1,...	14.973	36.0	ng	918777	3	14.774	510058	20.0
Naphthalene, 2,...	15.161	41.4	ng	1056700	3	14.774	510058	20.0
Naphthalene, 1,...	15.243	31.9	ng	813547	3	14.774	510058	20.0
4,6,8-Trimethyl...	15.384	31.9	ng	814075	3	14.774	510058	20.0
Naphthalene, 1,...	15.555	27.9	ng	711751	3	14.774	510058	20.0
Heptacosane	15.990	35.4	ng	902072	3	14.774	510058	20.0
Hexadecane, 2,6...	16.471	87.9	ng	2190400	4	17.523	498195	20.0
Silane, trichlo...	17.288	25.6	ng	637317	4	17.523	498195	20.0
Hentriacontane	17.899	28.0	ng	696535	4	17.523	498195	20.0