LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

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-BG111623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG059845.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.764	399	404	408	rVV4	9798	18121	1.12%	0.113%
2	5.823	408	414	421	rVV	387169	622647	38.52%	3.886%
3	5.894	421	426	438	rVB2	54552	119882	7.42%	0.748%
4	6.276	485	491	498	rBV	39026	67549	4.18%	0.422%
5	7.257	652	658	665	rVB2	9829	23289	1.44%	0.145%
6	7.368	673	677	683	rBV3	34696	55288	3.42%	0.345%
7	7.457	683	692	697	rVV2	453305	802068	49.62%	5.005%
8	7.509	697	701	706	rVB3	24829	41783	2.59%	0.261%
9	7.680	725	730	735	rVB2	23787	37481	2.32%	0.234%
10	7.944	768	775	783	rBV	94842	153141	9.47%	0.956%
11	8.332	834	841	847	rBV2	129855	217569	13.46%	1.358%
12	8.420	851	856	864	rVB2	37577	70835	4.38%	0.442%
13	8.696	898	903	906	rBV2	11638	18613	1.15%	0.116%
14	8.784	916	918	924	rVB4	12294	16246	1.01%	0.101%
15	8.849	924	929	936	rBV2	30606	52903	3.27%	0.330%
16	8.937	937	944	951	rVB3	44095	86199	5.33%	0.538%
17	9.107	968	973	979	rVB5	11919	18713	1.16%	0.117%
18	9.254	994	998	1003	rBV3	34934	59903	3.71%	0.374%
19	9.313	1003	1008	1013	rVB3	31116	53252	3.29%	0.332%
20	9.413	1018	1025	1031	rBV2	62164	108073	6.69%	0.674%
21	9.531	1035	1045	1052	rBV	354638	648280	40.11%	4.046%
22	9.660	1060	1067	1069	rBV4	8975	16817	1.04%	0.105%
23	9.754	1078	1083	1087	rBV6	17020	34582	2.14%	0.216%
24	9.942	1108	1115	1120	rBV	51996	84056	5.20%	0.525%
25	10.001	1120	1125	1131	rVB3	87502	146143	9.04%	0.912%
26	10.241	1162	1166	1171	rVB6	11485	16950	1.05%	0.106%
27	10.306	1171	1177	1184	rBV6	16206	33789	2.09%	0.211%
28	10.388	1185	1191	1196	rVV4	26028	44922	2.78%	0.280%
29	10.471	1200	1205	1209	rVV3	13285	24703	1.53%	0.154%
30	10.535	1209	1216	1220	rVV3	74622	130077	8.05%	0.812%
31	10.582	1220	1224	1230	rVB6	22889	36708	2.27%	0.229%
32	10.694	1242	1243	1250	rVB5	13009	21455	1.33%	0.134%
33	10.823	1263	1265	1269	rVB4	17756	17248	1.07%	0.108%
34	11.176	1317	1325	1331	rBV2	171233	342494	21.19%	2.137%
35	11.229	1331	1334	1343	rVB	57905	91685	5.67%	0.572%
36	12.809	1600	1603	1610	rVB6	14058	27032	1.67%	0.169%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

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-BG111623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.585	1726	1735	1740	rBV	890149	1377251	85.21%	8.595%
38	13.784	1764	1769	1778	rVV7	21479	45494	2.81%	0.284%
39	13.884	1782	1786	1792	rVB4	29241	42480	2.63%	0.265%
40	14.343	1858	1864	1870	rVB7	18937	43556	2.69%	0.272%
41	14.689	1919	1923	1929	rVB8	12501	22973	1.42%	0.143%
42	14.754	1929	1934	1938	rBV7	13200	21416	1.33%	0.134%
43	14.959	1963	1969	1975	rVB2	310517	478963	29.63%	2.989%
44	15.030	1975	1981	1987	rVB5	28094	49296	3.05%	0.308%
45	15.353	2033	2036	2041	rVB6	21210	36078	2.23%	0.225%
46	15.553	2067	2070	2074	rBV5	12399	19625	1.21%	0.122%
47	15.606	2074	2079	2081	rBV5	11382	19457	1.20%	0.121%
48	15.700	2093	2095	2101	rVB7	17642	26204	1.62%	0.164%
49	15.999	2141	2146	2152	rBV5	27032	49529	3.06%	0.309%
50	16.446	2215	2222	2230	rBV2	889069	1344236	83.17%	8.389%
51	16.546	2235	2239	2245	rBV2	56108	84651	5.24%	0.528%
52	16.793	2279	2281	2286	rVV6	14884	17853	1.10%	0.111%
53	16.969	2307	2311	2312	rBV4	16782	20026	1.24%	0.125%
54	17.533	2403	2407	2414	rVB9	22440	42631	2.64%	0.266%
55	17.709	2432	2437	2441	rBV	363178	578112	35.77%	3.608%
56	17.756	2441	2445	2451	rVB	267007	385523	23.85%	2.406%
57	17.844	2456	2460	2465	rVV2	63794	100625	6.23%	0.628%
58	17.903	2467	2470	2476	rVB8	16515	30675	1.90%	0.191%
59	18.120	2503	2507	2512	rVB3	45648	78066	4.83%	0.487%
60	18.220	2522	2524	2528	rBV5	14571	18883	1.17%	0.118%
61	18.526	2572	2576	2581	rBV3	192468	250910	15.52%	1.566%
62	18.626	2589	2593	2599	rVB6	45440	68670	4.25%	0.429%
63	19.066	2665	2668	2672	rVB5	25924	32688	2.02%	0.204%
64	19.760	2781	2786	2795	rVB	477662	754233	46.66%	4.707%
65	20.077	2835	2840	2842	rBV5	65430	114567	7.09%	0.715%
66	20.118	2842	2847	2852	rVB	316708	468340	28.98%	2.923%
67	20.289	2871	2876	2881	rBV	1253281	1616291	100.00%	10.087%
68	20.588	2925	2927	2932	rVB2	81630	87847	5.44%	0.548%
69	20.688	2941	2944	2950	rBV2	68633	105197	6.51%	0.656%
70	21.575	3091	3095	3103	rVB6	166237	280112	17.33%	1.748%
71	21.675	3110	3112	3113	rBV2	39701	28654	1.77%	0.179%
72	22.039	3165	3174	3180	rBV4	325945	870395	53.85%	5.432%
73	22.092	3180	3183	3189	rVB	169024	249814	15.46%	1.559%
74	22.856	3309	3313	3318	rBV8	96230	177707	10.99%	1.109%
75	24.466	3580	3587	3593	rBV2	159752	410835	25.42%	2.564%
76	24.736	3632	3633	3634	rBV	29046	17640	1.09%	0.110%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

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-BG111623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	25.271	3718	3724	3725	rBV5	68288	93383	5.78%	0.583%
78	25.453	3748	3755	3764	rVB	111157	297173	18.39%	1.855%
79	25.629	3777	3785	3794	rVB	152006	412147	25.50%	2.572%
80	26.493	3930	3932	3933	rBV2	27984	18610	1.15%	0.116%
81	27.750	4144	4146	4148	rBV2	20489	21543	1.33%	0.134%
82	30.101	4544	4546	4551	rBV6	16408	23096	1.43%	0.144%
83	31.264	4741	4744	4745	rBV3	15173	16440	1.02%	0.103%
84	31.493	4775	4783	4785	rBV8	28858	61315	3.79%	0.383%
85	32.515	4945	4957	4963	rBV8	62334	252404	15.62%	1.575%

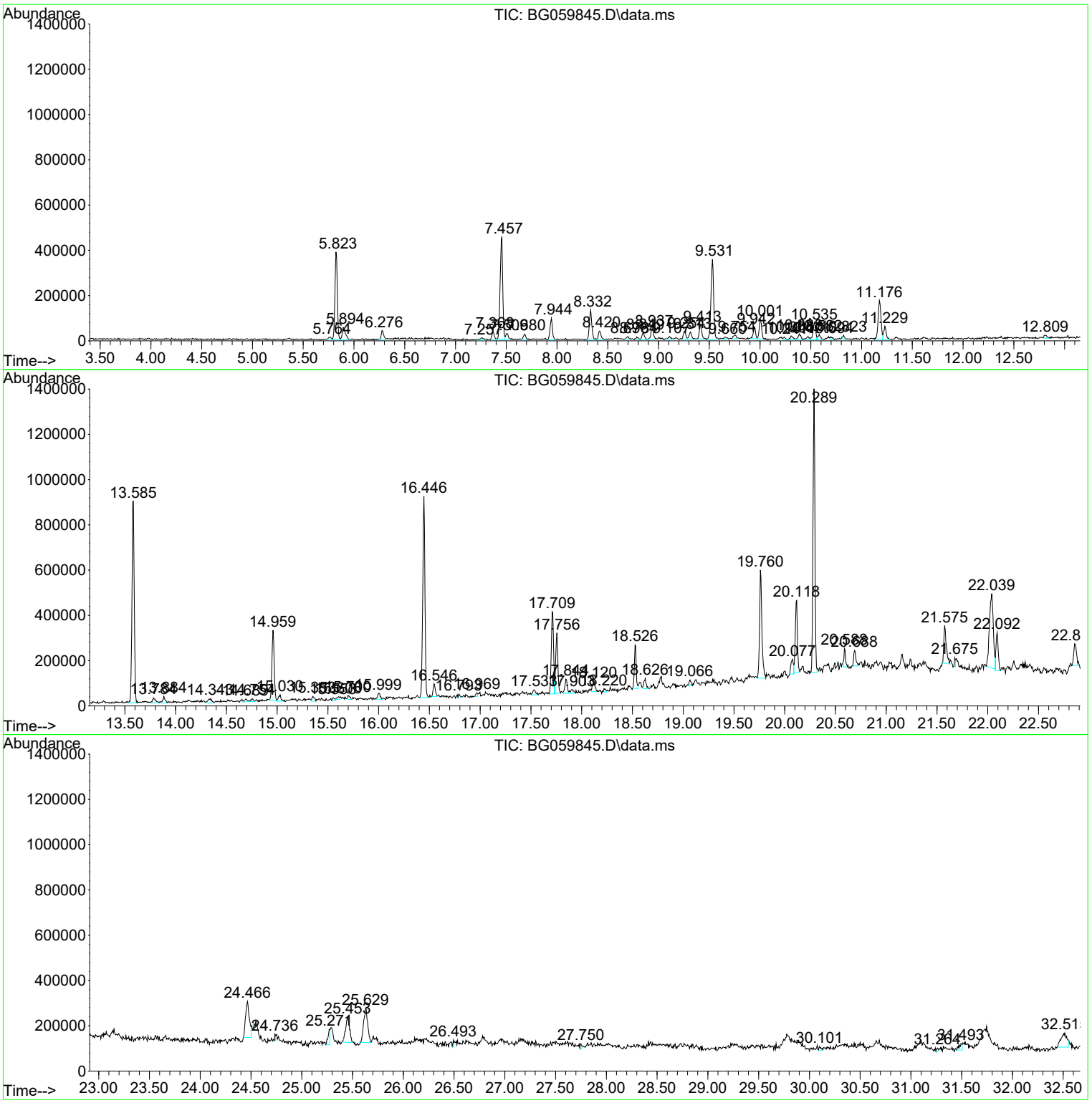
Sum of corrected areas: 16024110

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.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\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

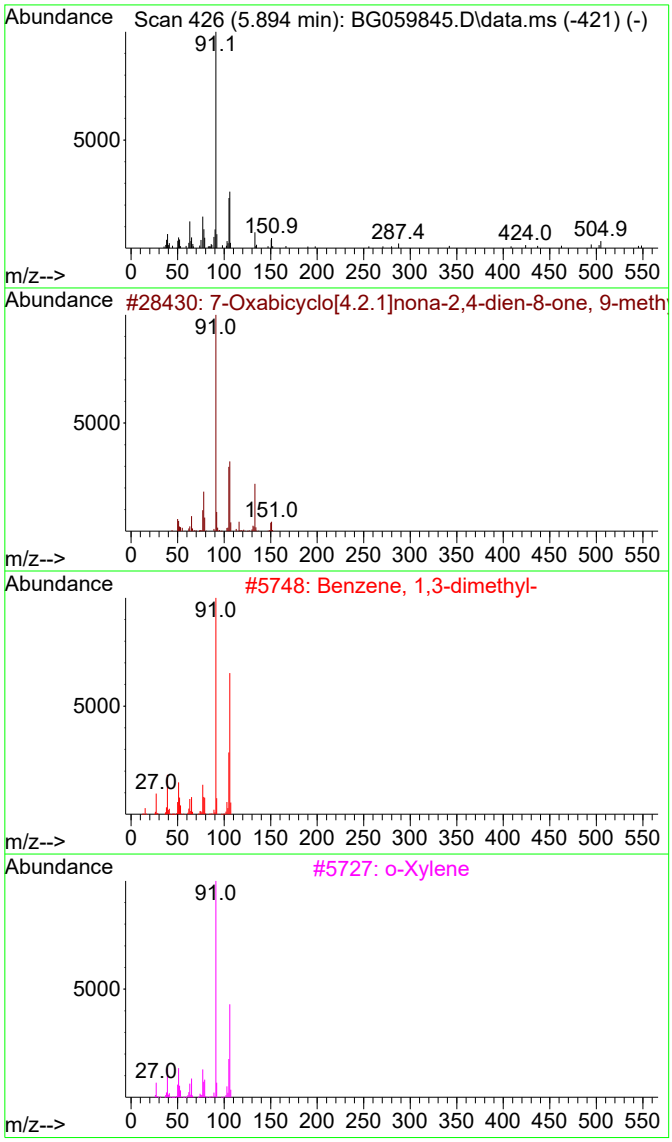
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

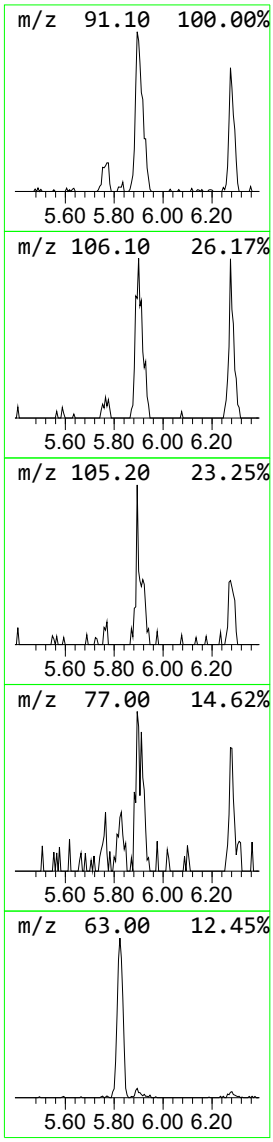
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 7-Oxabicyclo[4.2.1]nona-2,4... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.894	11.02 ng	119882	1,4-Dichlorobenzene-d4	8.332

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[4.2.1]nona-2,4-dien...	150	C9H10O2	056771-81-4	50
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	43
3	o-Xylene	106	C8H10	000095-47-6	43
4	p-Xylene	106	C8H10	000106-42-3	38
5	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

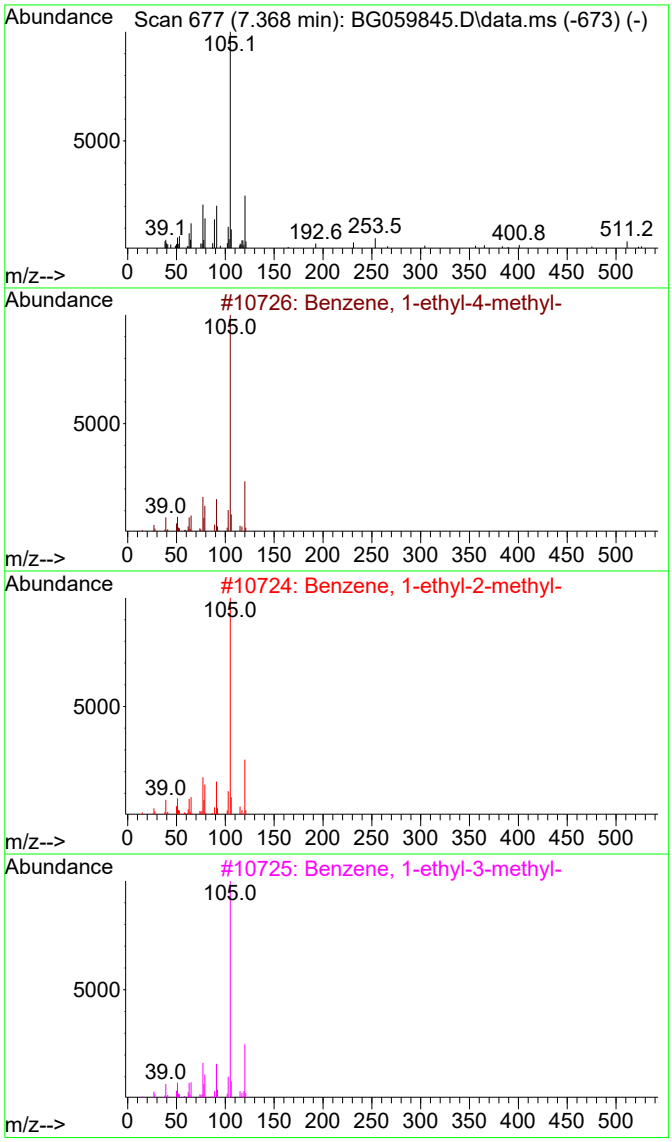
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

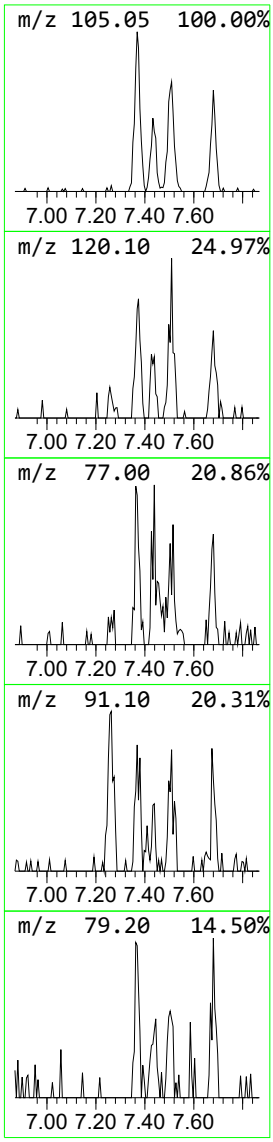
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethyl-4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.368	5.08 ng	55288	1,4-Dichlorobenzene-d4	8.332

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	76
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	76
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	70
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	62
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

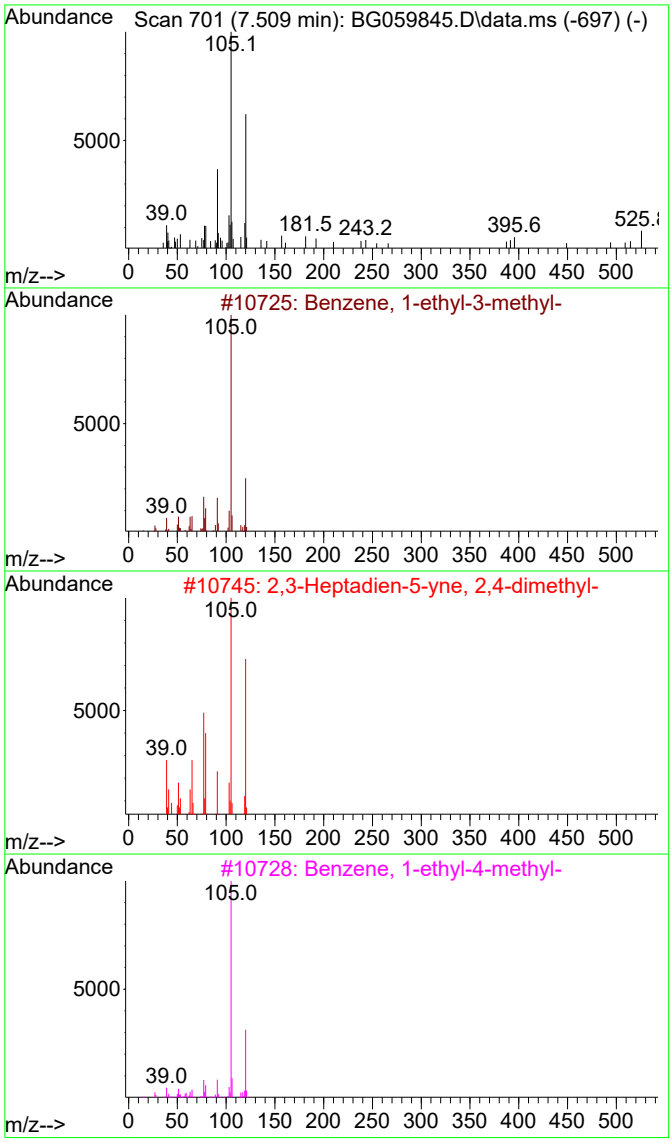
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

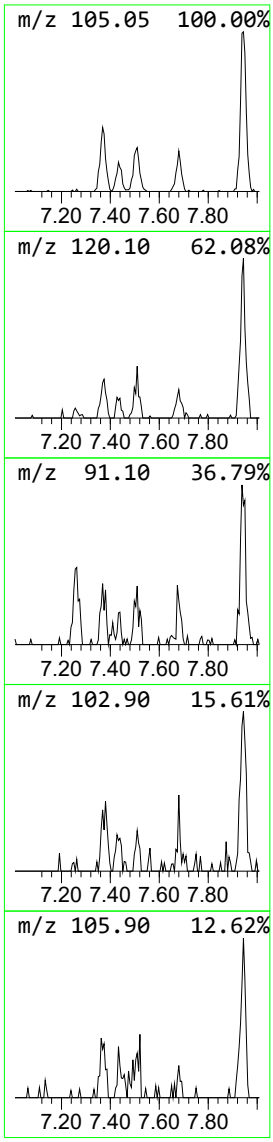
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.509	3.84 ng	41783	1,4-Dichlorobenzene-d4	8.332

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	45
2	2,3-Heptadien-5-yne, 2,4-dimethyl-	120	C9H12	041898-89-9	45
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	43
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	43
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

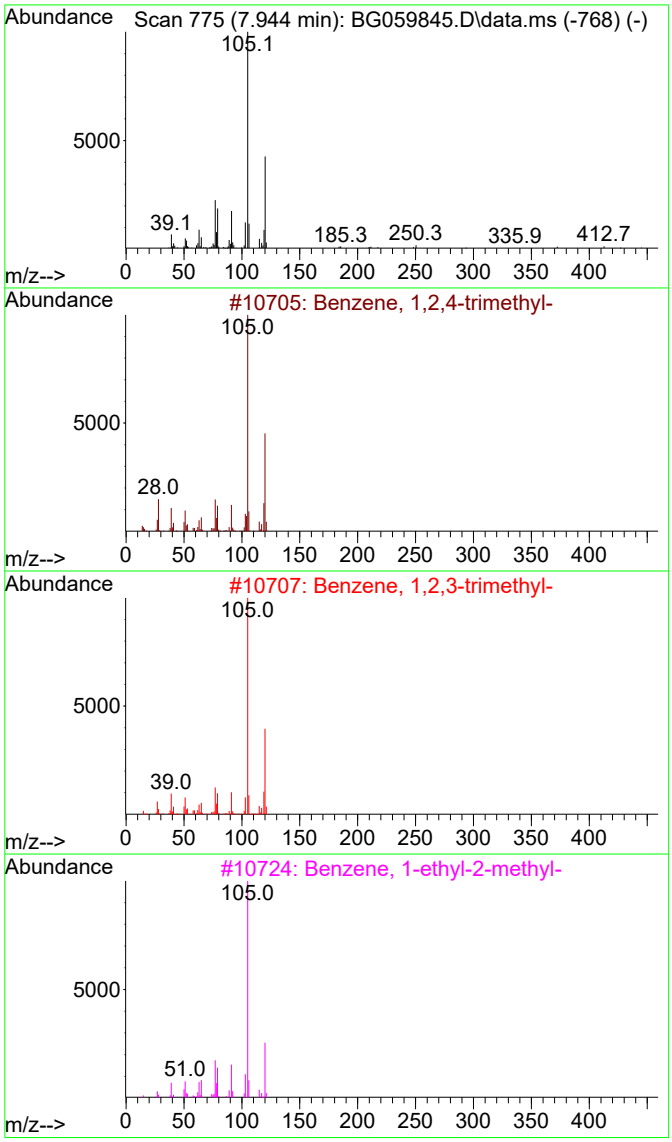
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

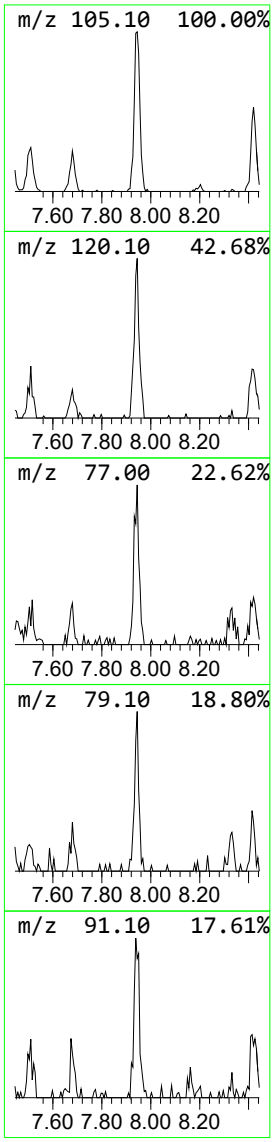
****

Peak Number 6 Benzene, 1,2,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.944	14.08 ng	153141	1,4-Dichlorobenzene-d4	8.332

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	87
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

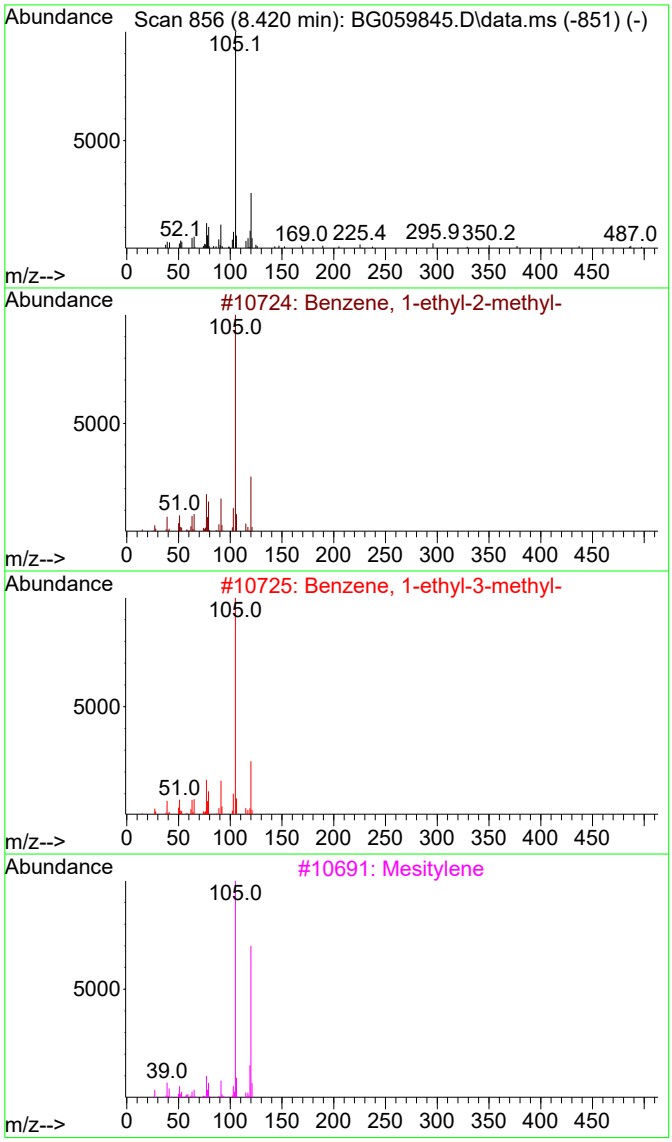
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

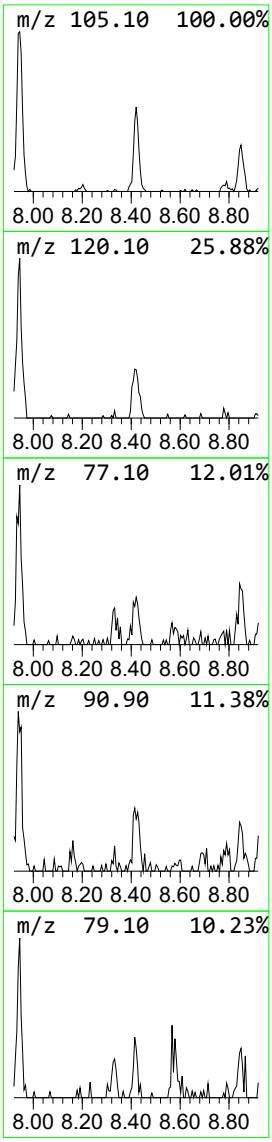
****

Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.420	6.51 ng	70835	1,4-Dichlorobenzene-d4	8.332

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	64
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	58
3	Mesitylene	120	C9H12	000108-67-8	52
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	52
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

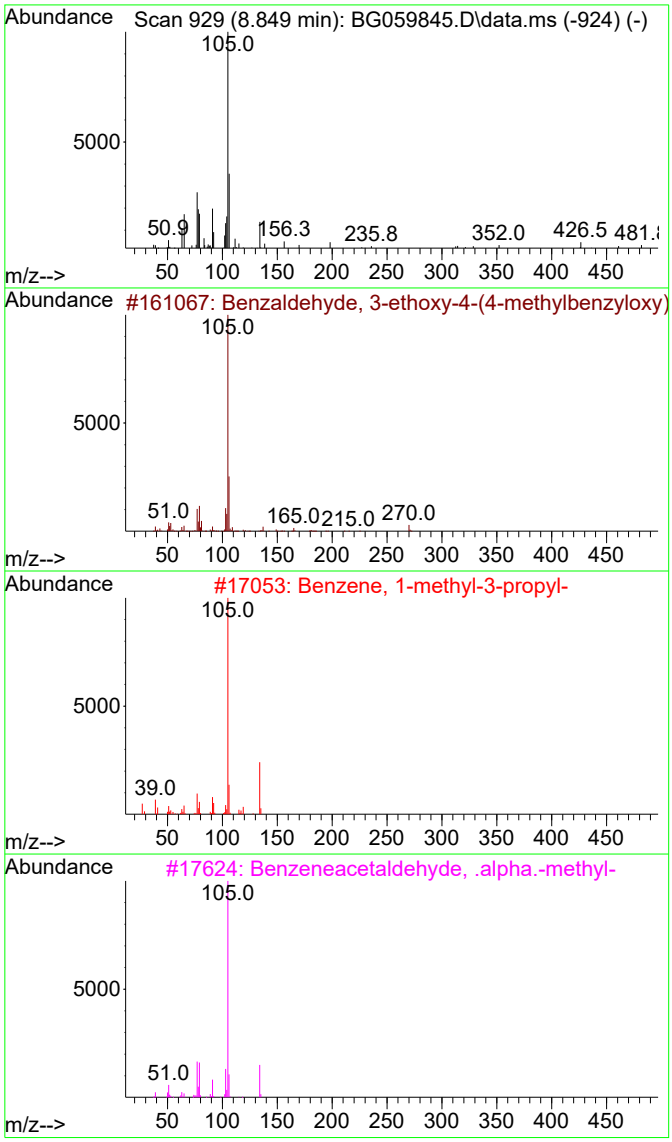
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

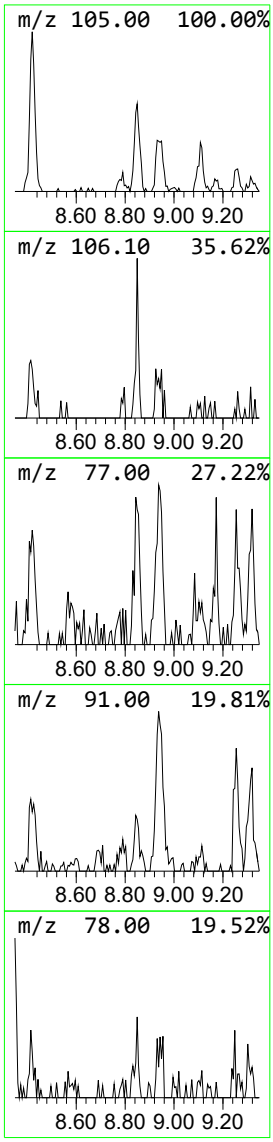
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 unknown8.849 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.849	4.86 ng	52903	1,4-Dichlorobenzene-d4	8.332

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3-ethoxy-4-(4-meth...	270	C17H18O3	351066-35-8	47
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	45
3	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	43
4	3-Oxapentanol-1, 4-[(2,3-dimethy...	194	C12H18O2	1000063-22-7	38
5	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

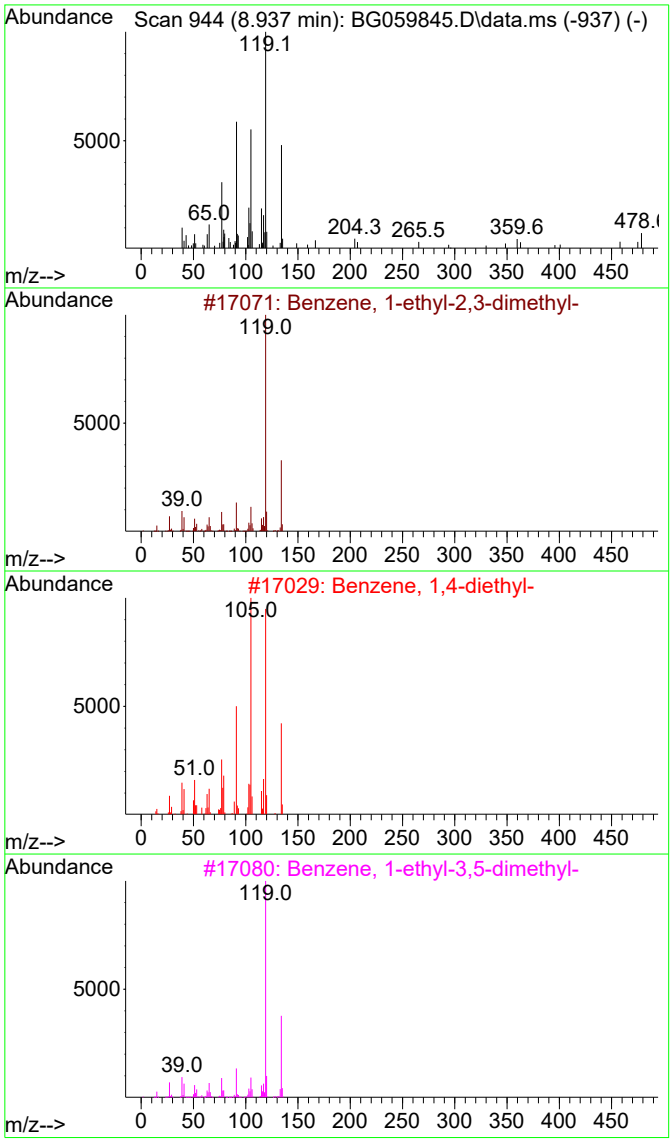
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

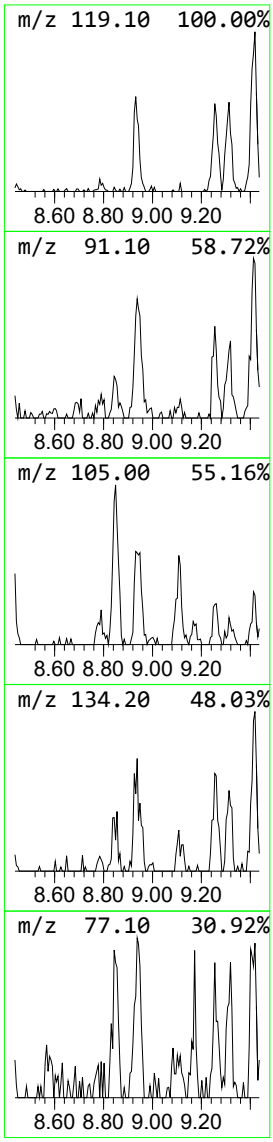
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.937	7.92 ng	86199	1,4-Dichlorobenzene-d4	8.332

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	83
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	76
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	72
4	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	68
5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

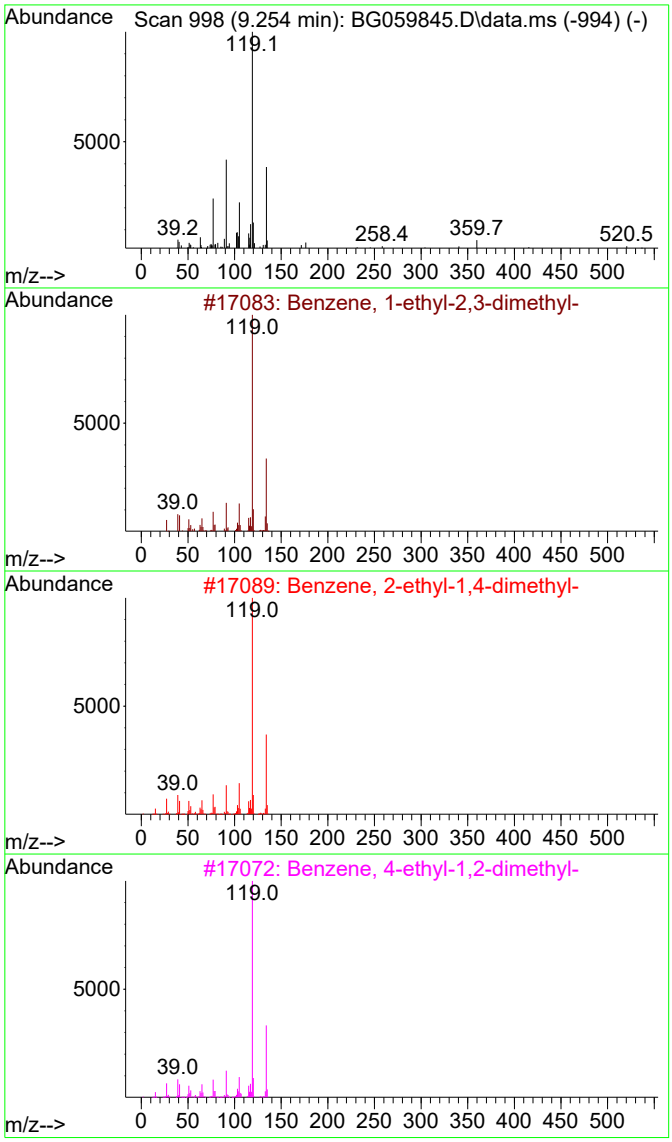
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

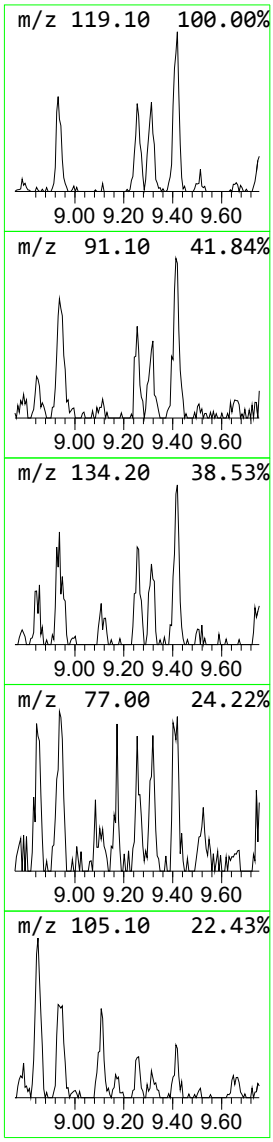
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.254	5.51 ng	59903	1,4-Dichlorobenzene-d4	8.332

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

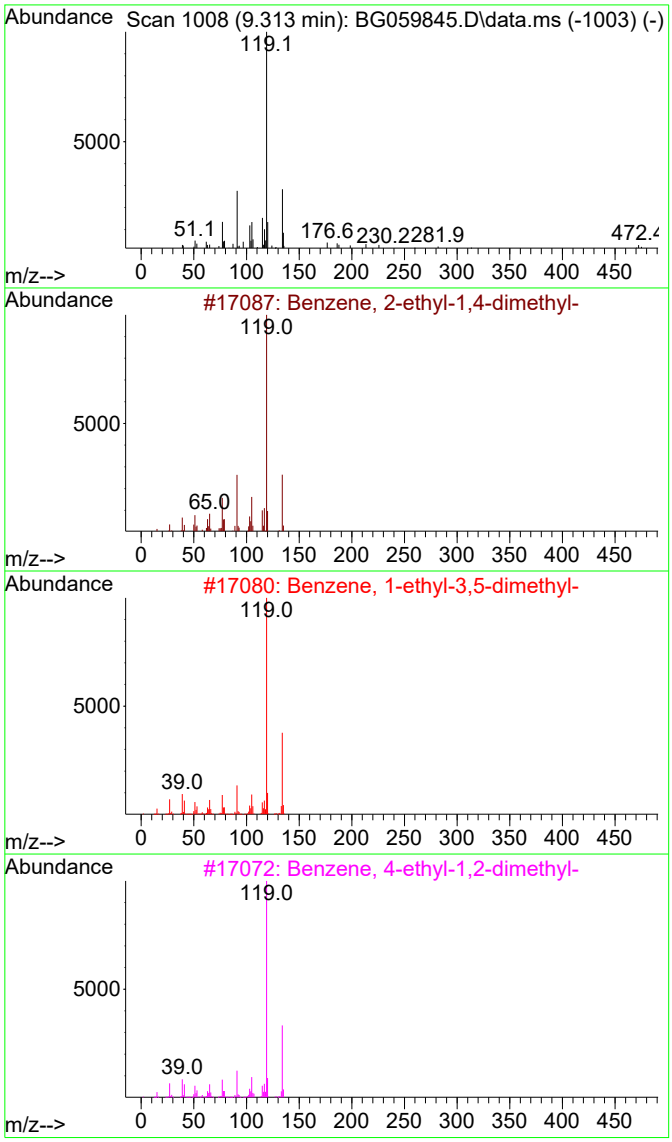
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

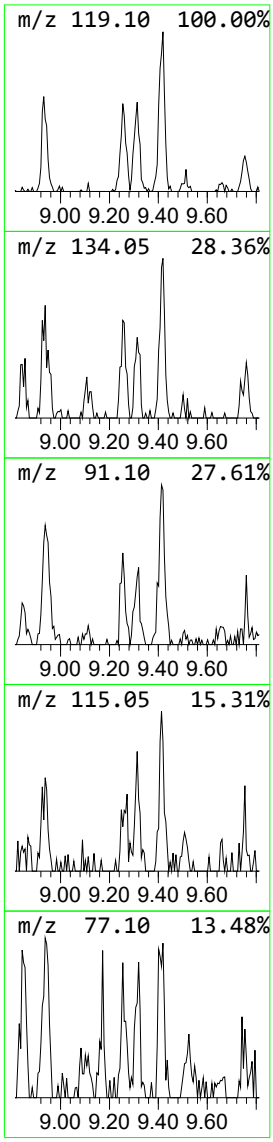
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.313	4.90 ng	53252	1,4-Dichlorobenzene-d4	8.332

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

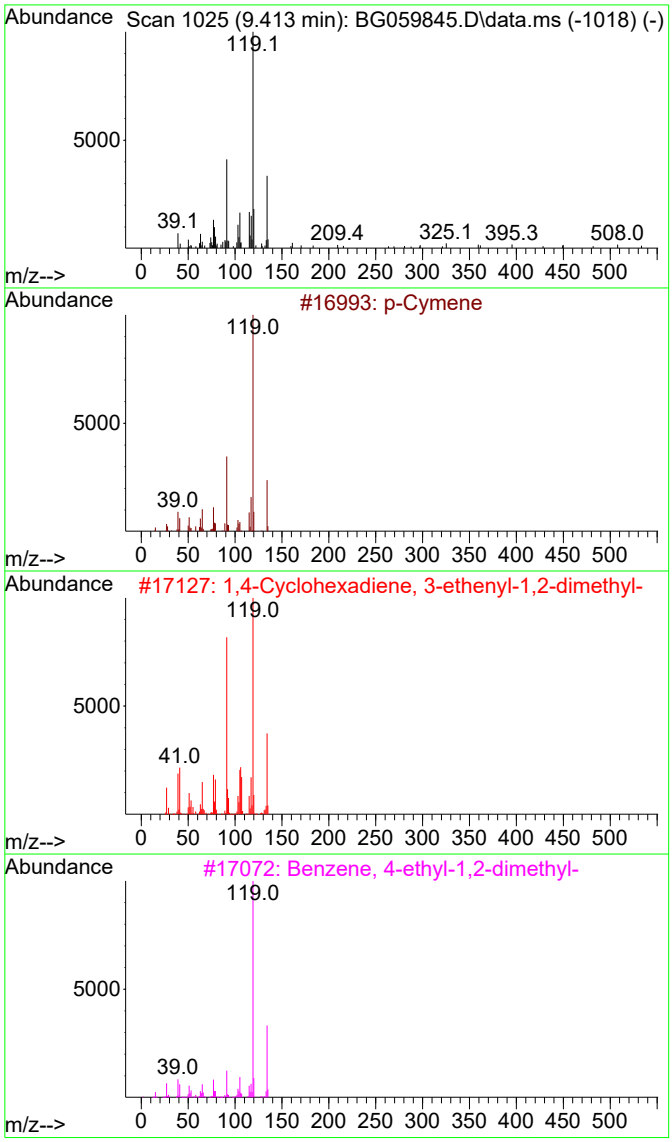
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

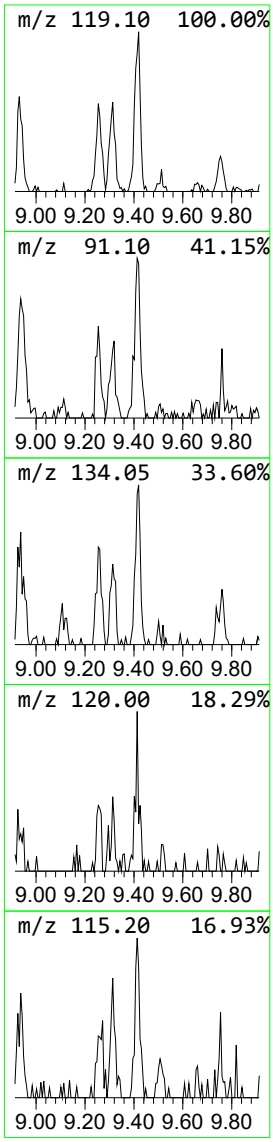
****

Peak Number 12 p-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.413	9.93 ng	108073	1,4-Dichlorobenzene-d4	8.332

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	87
2	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	87
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

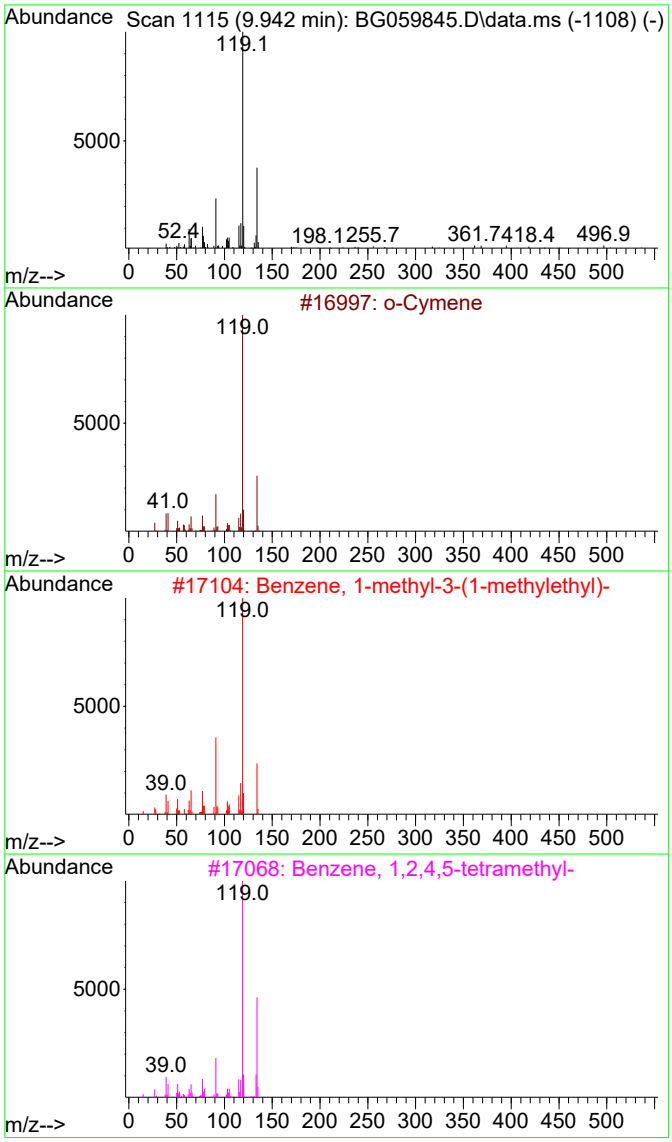
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

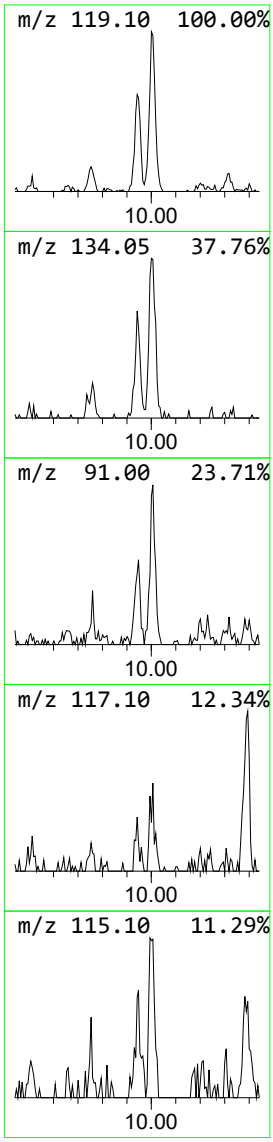
****

Peak Number 13 o-Cymene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.942	4.91 ng	84056	Naphthalene-d8	11.176

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5	p-Cymene	134	C10H14	000099-87-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

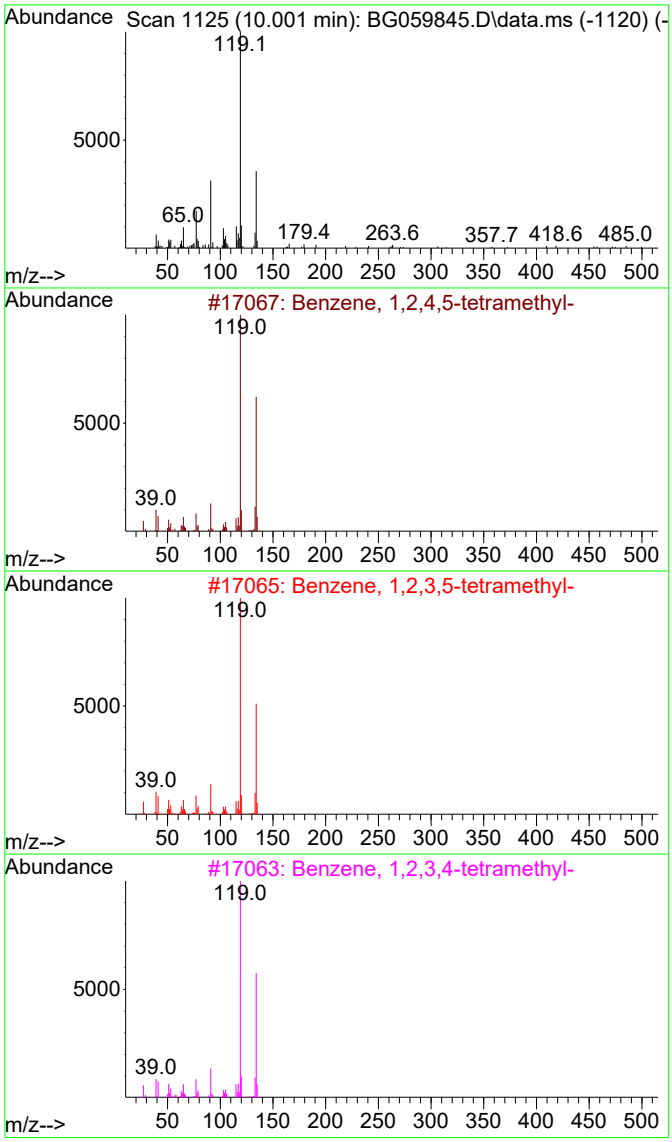
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

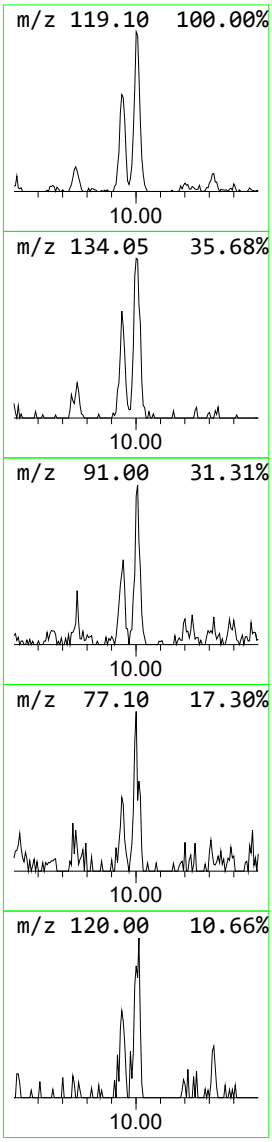
****

Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.001	8.53 ng	146143	Naphthalene-d8	11.176

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

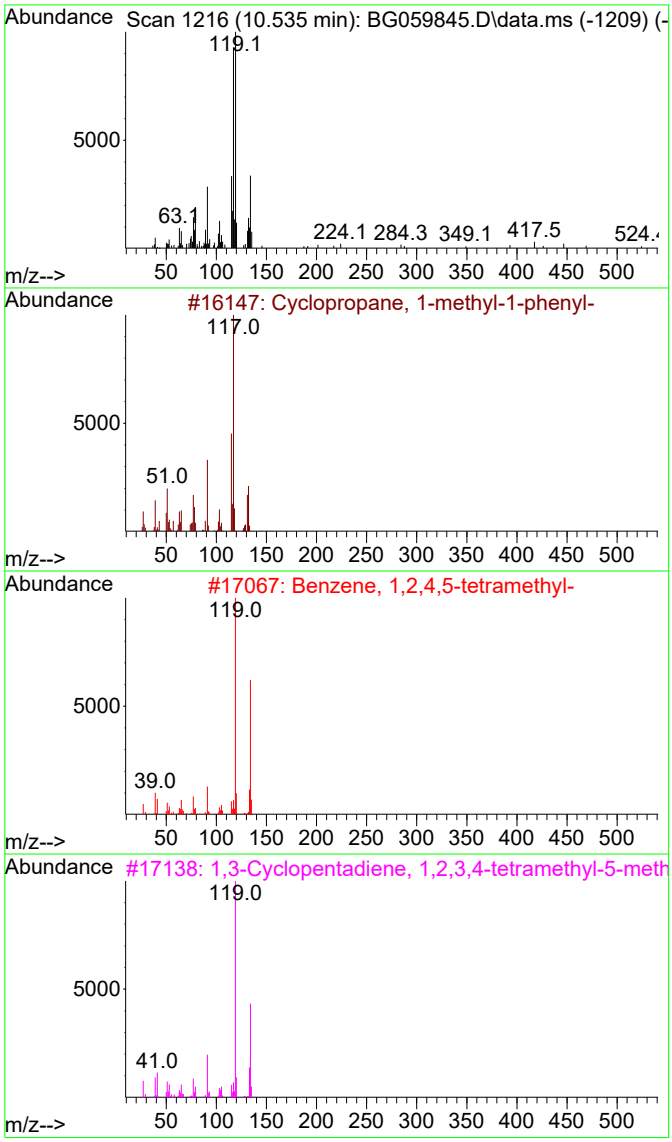
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

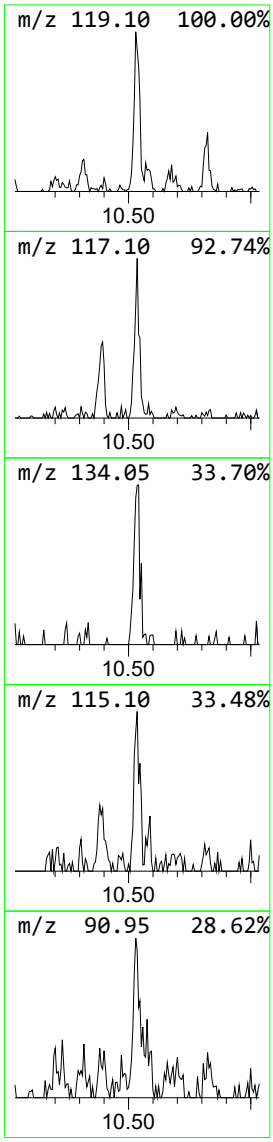
****

Peak Number 15 unknown10.535 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.535	7.60 ng	130077	Naphthalene-d8	11.176

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	49
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	46
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	46
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	46
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

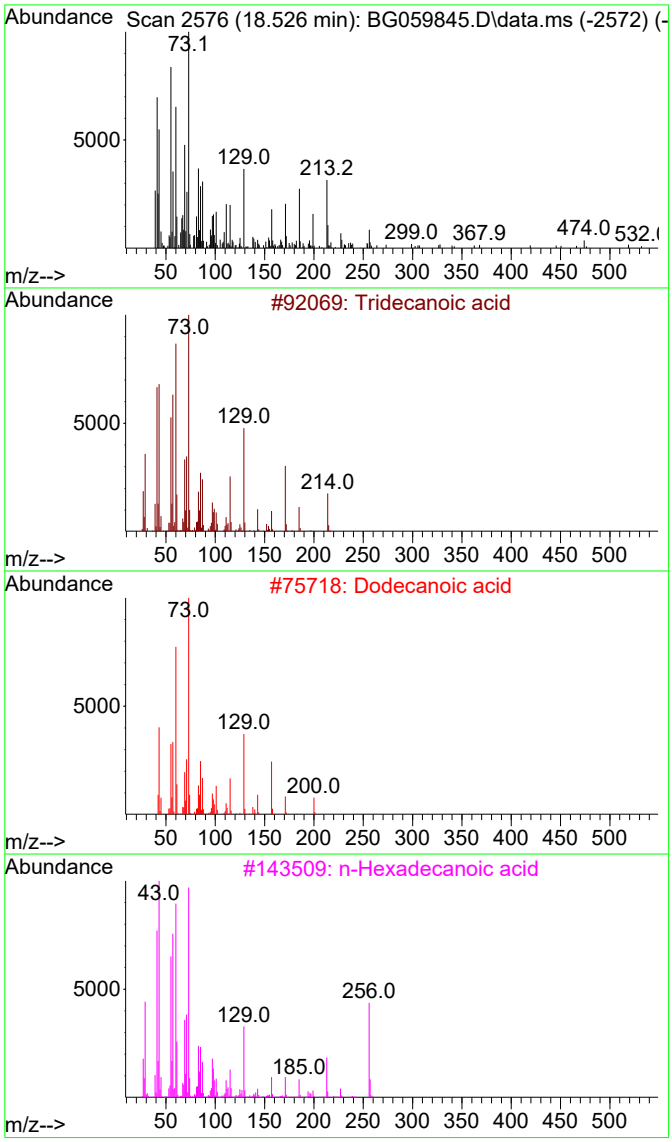
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

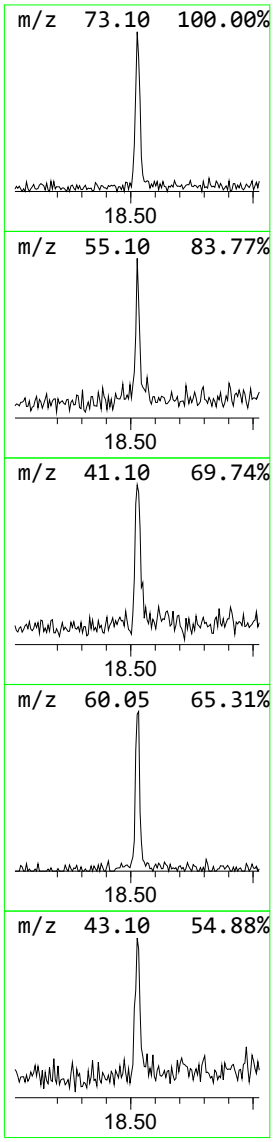
****

Peak Number 16 Tridecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.526	8.68 ng	250910	Phenanthrene-d10	17.709

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	78
2	Dodecanoic acid	200	C12H24O2	000143-07-7	52
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	50
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	43
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

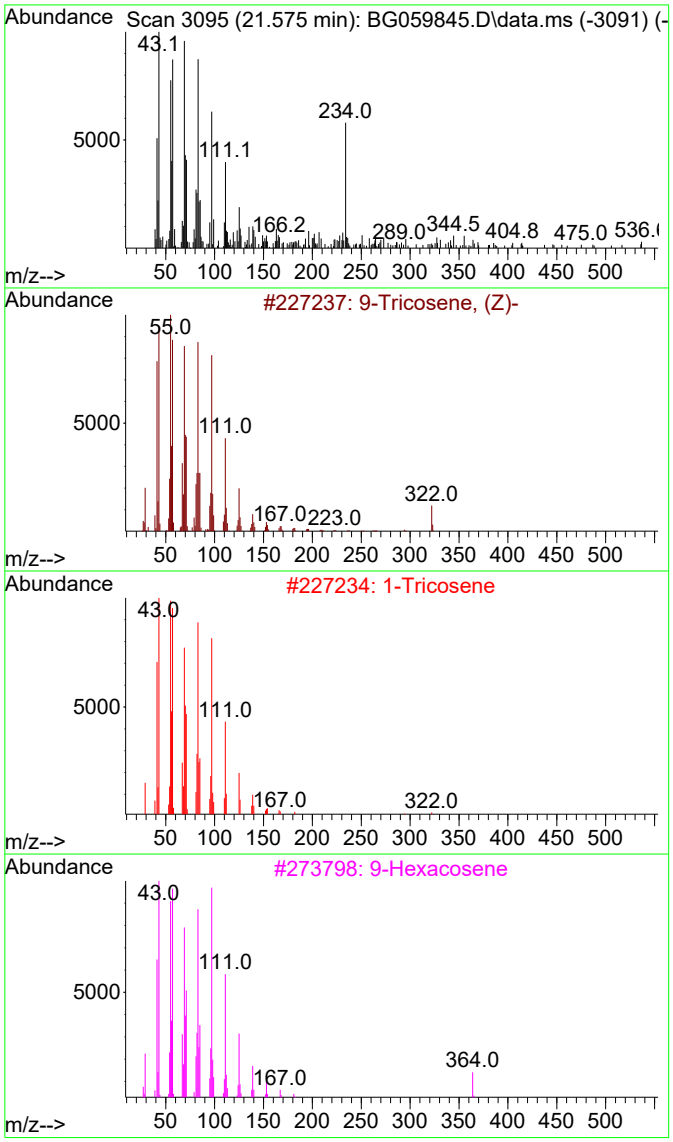
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

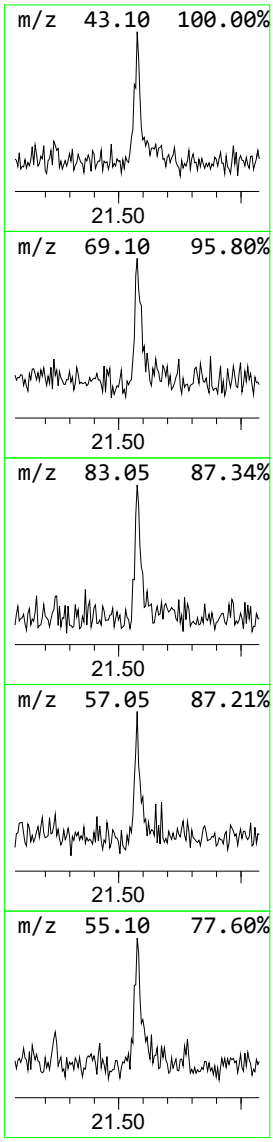
****

Peak Number 17 9-Tricosene, (Z)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.575	6.44 ng	280112	Chrysene-d12	22.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Tricosene, (Z)-	322	C23H46	027519-02-4	94
2	1-Tricosene	322	C23H46	018835-32-0	91
3	9-Hexacosene	364	C26H52	071502-22-2	87
4	1-Hexacosene	364	C26H52	018835-33-1	86
5	Cyclopentane, 1-pentyl-2-propyl-	182	C13H26	062199-51-3	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

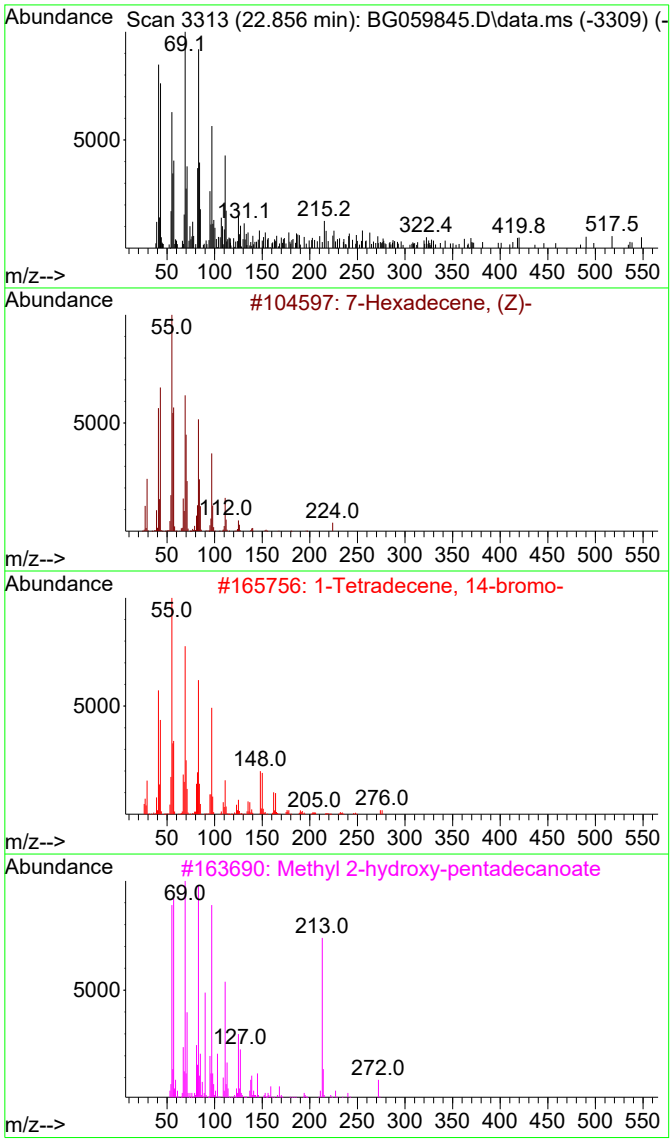
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

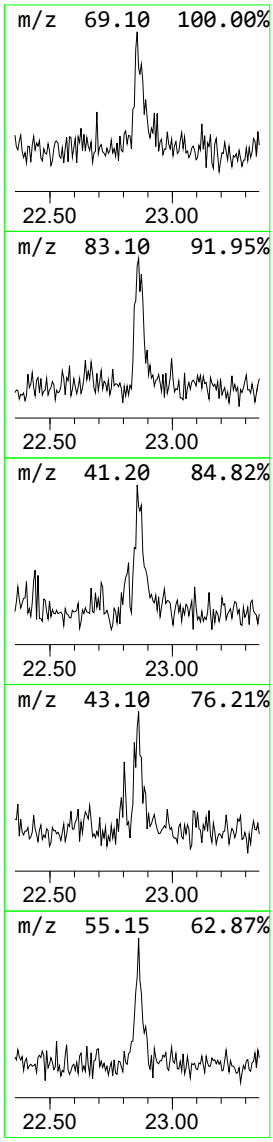
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 7-Hexadecene, (Z)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.856	4.08 ng	177707	Chrysene-d12	22.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	87
2	1-Tetradecene, 14-bromo-	274	C14H27Br	074646-31-4	70
3	Methyl 2-hydroxy-pentadecanoate	272	C16H32O3	1000336-35-7	70
4	Cetene	224	C16H32	000629-73-2	64
5	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

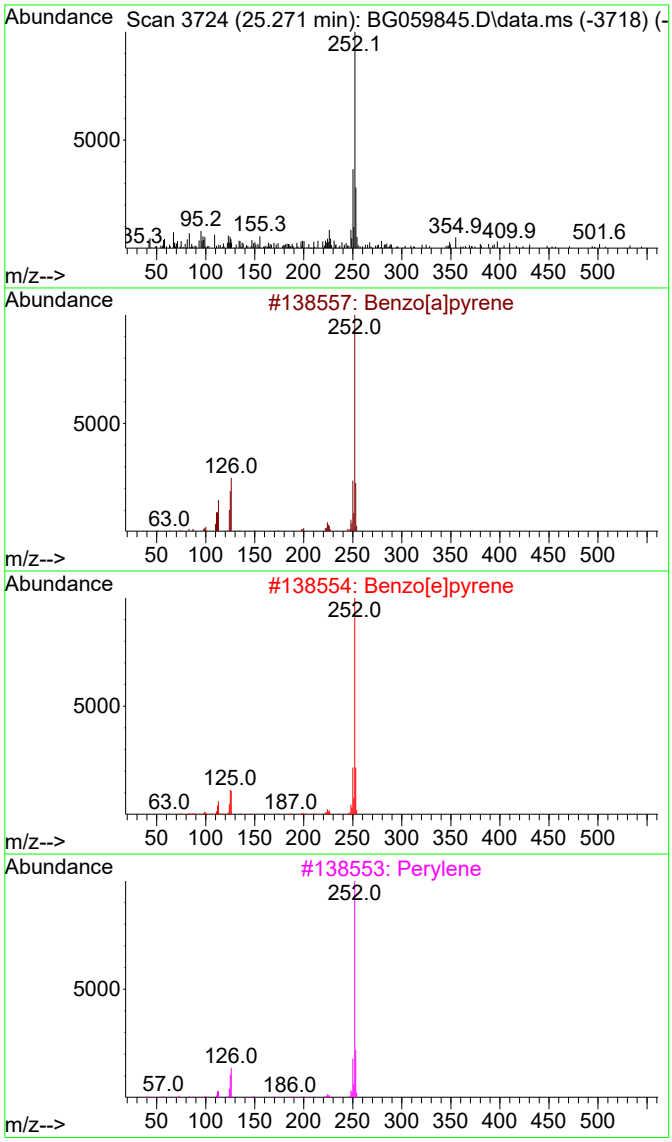
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

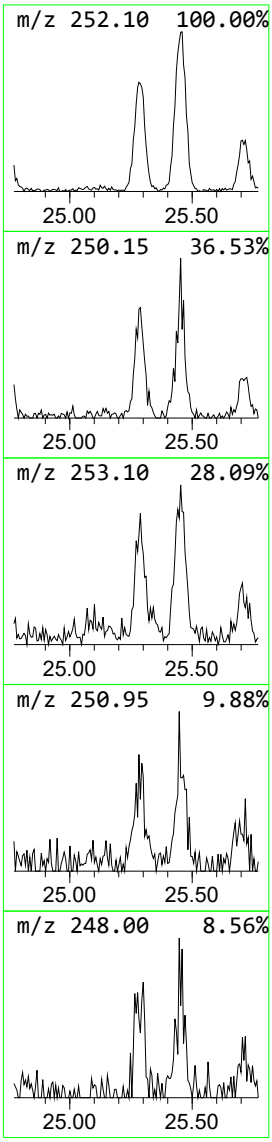
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.271	4.53 ng	93383	Perylene-d12	25.635

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	76
2	Benzo[e]pyrene	252	C20H12	000192-97-2	76
3	Perylene	252	C20H12	000198-55-0	68
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	64
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

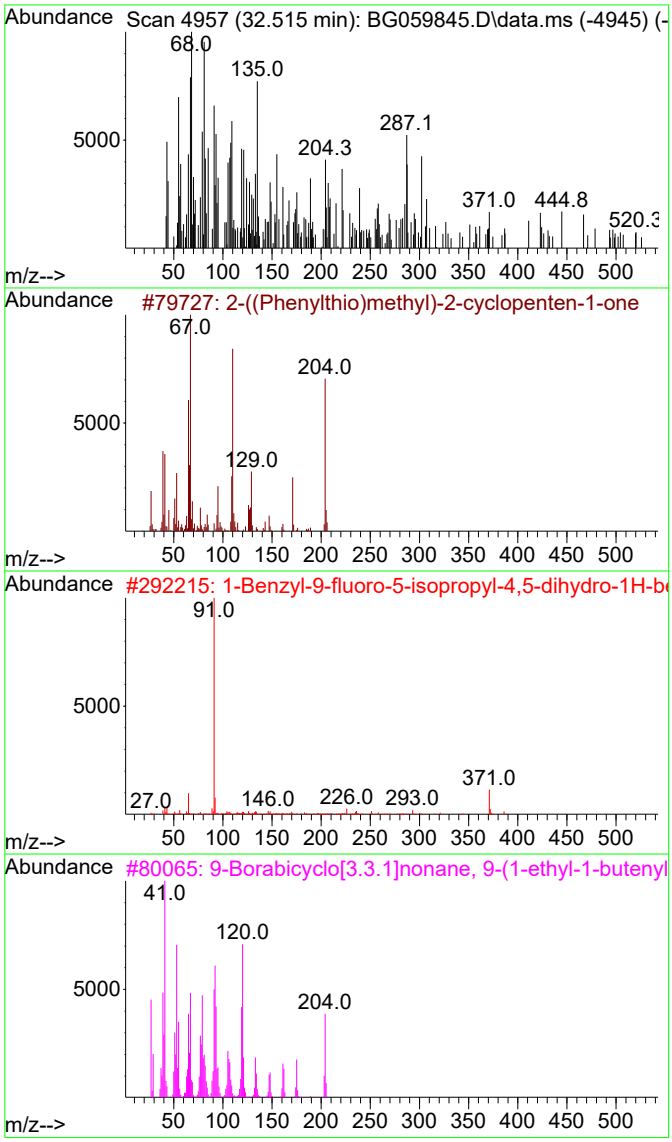
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

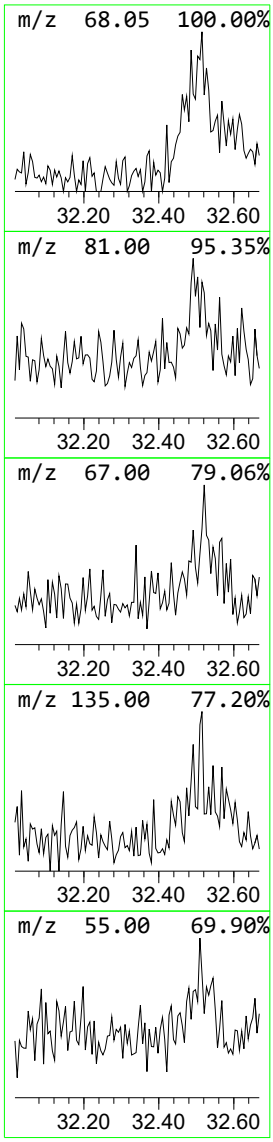
****

Peak Number 20 unknown32.515 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
32.515	12.25 ng	252404	Perylene-d12	25.635

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-((Phenylthio)methyl)-2-cyclope...	204	C12H12OS	076047-52-4	38
2	1-Benzyl-9-fluoro-5-isopropyl-4,...	386	C19H19FN4O2S	1000481-81-5	30
3	9-Borabicyclo[3.3.1]nonane, 9-(1...	204	C14H25B	076036-41-4	30
4	5-Thiazoleacetamide, tetrahydro-...	386	C19H18N2O3S2	1000362-30-8	30
5	2,5-Piperazinedione, 3-(phenylme...	204	C11H12N2O2	005037-75-2	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059845.D
Acq On : 23 Nov 2023 9:56
Operator : MA/JU
Sample : 05445-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-2-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.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
7-Oxabicyclo[4....	5.894	11.0	ng	119882	1	8.332	217569	20.0
Benzene, 1-ethy...	7.368	5.1	ng	55288	1	8.332	217569	20.0
Benzene, 1-ethy...	7.509	3.8	ng	41783	1	8.332	217569	20.0
Benzene, 1,2,4-...	7.944	14.1	ng	153141	1	8.332	217569	20.0
Benzene, 1-ethy...	8.420	6.5	ng	70835	1	8.332	217569	20.0
unknown8.849	8.849	4.9	ng	52903	1	8.332	217569	20.0
Benzene, 1-ethy...	8.937	7.9	ng	86199	1	8.332	217569	20.0
Benzene, 2-ethy...	9.254	5.5	ng	59903	1	8.332	217569	20.0
Benzene, 1-ethy...	9.313	4.9	ng	53252	1	8.332	217569	20.0
p-Cymene	9.413	9.9	ng	108073	1	8.332	217569	20.0
o-Cymene	9.942	4.9	ng	84056	2	11.176	342494	20.0
Benzene, 1,2,4,...	10.001	8.5	ng	146143	2	11.176	342494	20.0
unknown10.535	10.535	7.6	ng	130077	2	11.176	342494	20.0
Tridecanoic acid	18.526	8.7	ng	250910	4	17.709	578112	20.0
9-Tricosene, (Z)-	21.575	6.4	ng	280112	5	22.045	870395	20.0
7-Hexadecene, (Z)-	22.856	4.1	ng	177707	5	22.045	870395	20.0
Benzo[e]pyrene	25.271	4.5	ng	93383	6	25.635	412147	20.0
unknown32.515	32.515	12.3	ng	252404	6	25.635	412147	20.0