LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090721\
Data File : BG050180.D
Acq On : 8 Sep 2021 00:47
Operator : CG/JU
Sample : M3549-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EW7A4

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG090721.M
Title : SVOA CALIBRATION

Signal : TIC: BG050180.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.751	119	121	129	rBV	23448	39893	5.10%	0.457%
2	4.497	246	248	251	rBV3	2720	2568	0.33%	0.029%
3	4.544	254	256	263	rVB4	16553	20958	2.68%	0.240%
4	4.802	298	300	305	rBV3	1810	2946	0.38%	0.034%
5	4.843	305	307	310	rBV3	2132	2586	0.33%	0.030%
6	5.102	346	351	356	rBV4	12845	25795	3.30%	0.295%
7	5.337	389	391	398	rVB4	4867	8128	1.04%	0.093%
8	5.601	433	436	437	rBV	3312	3018	0.39%	0.035%
9	5.789	460	468	469	rBV5	5027	8397	1.07%	0.096%
10	5.865	476	481	487	rBV4	6710	12690	1.62%	0.145%
11	6.006	503	505	513	rVB4	5016	7185	0.92%	0.082%
12	6.083	514	518	522	rBV4	2644	5533	0.71%	0.063%
13	6.206	531	539	541	rBV6	7213	15084	1.93%	0.173%
14	6.435	571	578	584	rVB3	20955	32841	4.20%	0.376%
15	6.553	591	598	599	rBV6	6159	8367	1.07%	0.096%
16	6.917	656	660	665	rVB5	4756	6948	0.89%	0.080%
17	7.075	682	687	690	rBV6	4832	7922	1.01%	0.091%
18	7.122	691	695	701	rVV	23361	41109	5.26%	0.471%
19	7.269	714	720	727	rBV	96682	170205	21.77%	1.949%
20	7.481	750	756	771	rVB	134107	246296	31.50%	2.821%
21	7.904	827	828	830	rBV	2803	2892	0.37%	0.033%
22	7.945	830	835	842	rVB	117417	196049	25.08%	2.245%
23	8.127	862	866	869	rVB3	1637	2520	0.32%	0.029%
24	8.162	869	872	876	rBV2	1755	2906	0.37%	0.033%
25	8.438	915	919	923	rBV4	4226	5953	0.76%	0.068%
26	8.673	951	959	968	rVB	80318	147905	18.92%	1.694%
27	8.773	974	976	981	rVB6	5048	8138	1.04%	0.093%
28	9.055	1015	1024	1029	rBV4	21836	39328	5.03%	0.450%
29	9.120	1029	1035	1050	rVB	121980	247836	31.70%	2.838%
30	9.284	1061	1063	1067	rBV3	7678	10775	1.38%	0.123%
31	9.466	1092	1094	1095	rBV	3976	2904	0.37%	0.033%
32	9.584	1110	1114	1122	rVB	18643	32282	4.13%	0.370%
33	9.754	1141	1143	1151	rVB6	2829	4624	0.59%	0.053%
34	9.848	1152	1159	1168	rVB	120775	203067	25.97%	2.326%
35	9.948	1171	1176	1177	rBV5	9825	11825	1.51%	0.135%
36	10.036	1188	1191	1195	rVB3	5643	7382	0.94%	0.085%

LSC Area Percent Report

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Acq On : 8 Sep 2021 00:47
Operator : CG/JU
Sample : M3549-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EW7A4

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG090721.M
Title : SVOA CALIBRATION

37	10.165	1206	1213	1219	rBV3	75998	146804	18.78%	1.681%
38	10.400	1247	1253	1269	rVB2	136539	266888	34.14%	3.057%
39	10.535	1272	1276	1286	rBV5	8923	22889	2.93%	0.262%
40	10.706	1301	1305	1309	rBV2	34423	72242	9.24%	0.827%
41	10.765	1310	1315	1323	rVB	214205	410152	52.46%	4.697%
42	10.906	1334	1339	1347	rVB	95629	182568	23.35%	2.091%
43	11.070	1360	1367	1369	rBV5	3036	6352	0.81%	0.073%
44	11.129	1374	1377	1382	rVB4	13310	21154	2.71%	0.242%
45	11.176	1384	1385	1388	rBV3	3231	3333	0.43%	0.038%
46	11.235	1394	1395	1402	rVB4	7280	7855	1.00%	0.090%
47	11.346	1409	1414	1418	rBV6	5531	9400	1.20%	0.108%
48	11.387	1418	1421	1422	rBV2	4512	3498	0.45%	0.040%
49	11.646	1463	1465	1466	rBV2	4621	3112	0.40%	0.036%
50	11.681	1469	1471	1476	rVB5	9289	8830	1.13%	0.101%
51	11.763	1483	1485	1487	rBV2	2500	2941	0.38%	0.034%
52	11.840	1496	1498	1500	rBV2	7396	8307	1.06%	0.095%
53	11.922	1510	1512	1514	rVB3	3388	3029	0.39%	0.035%
54	12.092	1539	1541	1545	rVB2	6621	6692	0.86%	0.077%
55	12.251	1566	1568	1572	rVB5	2421	2938	0.38%	0.034%
56	12.310	1572	1578	1583	rBV7	7611	15616	2.00%	0.179%
57	12.351	1583	1585	1589	rBV4	2527	2410	0.31%	0.028%
58	12.680	1640	1641	1644	rVB2	2891	2742	0.35%	0.031%
59	12.733	1644	1650	1652	rBV5	3340	5571	0.71%	0.064%
60	12.797	1659	1661	1664	rBV2	1803	2302	0.29%	0.026%
61	12.891	1673	1677	1684	rBV6	10394	21937	2.81%	0.251%
62	13.132	1712	1718	1725	rBV6	5567	14189	1.81%	0.163%
63	13.197	1727	1729	1736	rVB6	3386	5670	0.73%	0.065%
64	13.361	1753	1757	1759	rBV2	3175	3423	0.44%	0.039%
65	13.414	1762	1766	1771	rVV5	2800	4642	0.59%	0.053%
66	13.843	1837	1839	1841	rBV3	2156	2259	0.29%	0.026%
67	14.007	1861	1867	1874	rBV	270996	412810	52.80%	4.728%
68	14.301	1911	1917	1926	rVB	295344	469550	60.06%	5.378%
69	14.483	1947	1948	1953	rBV5	2108	2267	0.29%	0.026%
70	14.606	1963	1969	1977	rVB	222233	350604	44.85%	4.015%
71	14.865	2007	2013	2018	rBV3	18319	37095	4.74%	0.425%
72	14.977	2030	2032	2035	rBV4	2372	2941	0.38%	0.034%
73	15.082	2047	2050	2052	rBV2	2833	2376	0.30%	0.027%
74	15.118	2052	2056	2057	rBV2	2835	2873	0.37%	0.033%
75	15.341	2089	2094	2099	rBV	36895	55566	7.11%	0.636%
76	15.605	2133	2139	2144	rBV	388716	582319	74.49%	6.669%

LSC Area Percent Report

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Acq On : 8 Sep 2021 00:47
Operator : CG/JU
Sample : M3549-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EW7A4

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG090721.M
Title : SVOA CALIBRATION

77	15.746	2157	2163	2171	rBV	113220	186359	23.84%	2.134%
78	16.557	2298	2301	2307	rVB6	2543	4410	0.56%	0.051%
79	16.762	2332	2336	2337	rBV4	3191	3916	0.50%	0.045%
80	16.956	2367	2369	2371	rBV2	2005	2263	0.29%	0.026%
81	17.009	2376	2378	2381	rVB4	3925	2918	0.37%	0.033%
82	17.362	2432	2438	2445	rBV	261864	417026	53.34%	4.776%
83	17.461	2449	2455	2463	rVB2	420937	642849	82.23%	7.362%
84	17.908	2526	2531	2536	rBV	23533	31561	4.04%	0.361%
85	17.961	2536	2540	2545	rVV	59813	73743	9.43%	0.845%
86	18.014	2547	2549	2553	rBV5	8104	9233	1.18%	0.106%
87	18.249	2586	2589	2591	rBV4	7102	7545	0.97%	0.086%
88	19.752	2840	2845	2852	rVB	544959	781784	100.00%	8.954%
89	21.632	3160	3165	3174	rVB2	298240	480163	61.42%	5.499%
90	24.628	3666	3675	3684	rVB2	285548	766072	97.99%	8.774%
91	24.846	3704	3712	3722	rVB3	177698	509743	65.20%	5.838%
92	31.807	4893	4897	4900	rBV6	11548	19922	2.55%	0.228%
93	32.330	4983	4986	4987	rBV2	8941	8913	1.14%	0.102%

Sum of corrected areas: 8731421

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090721\
Data File : BG050180.D
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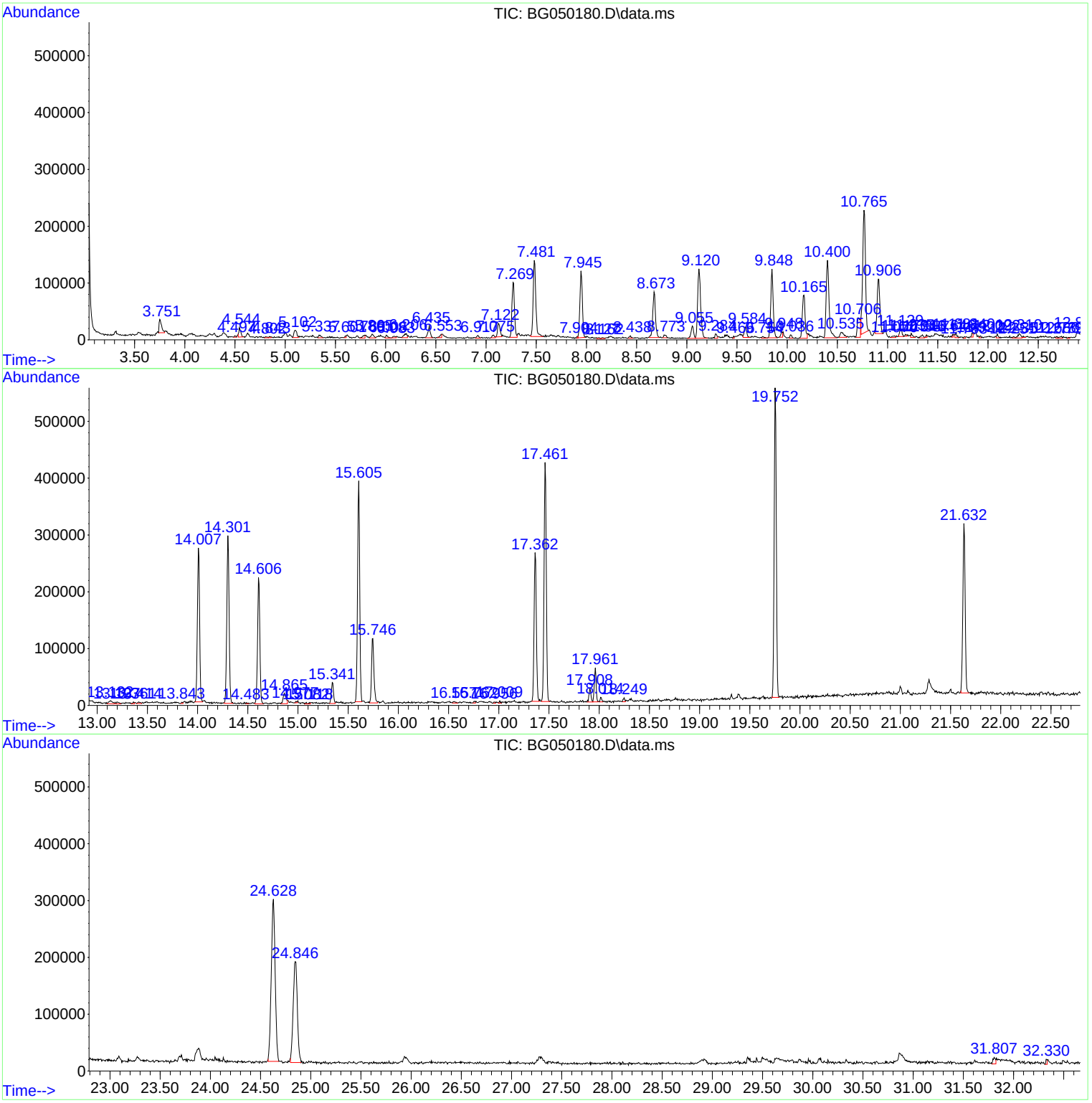
Operator : CG/JU
Sample : M3549-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW7A4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG090721.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090721\
Data File : BG050180.D
Acq On : 8 Sep 2021 00:47
Operator : CG/JU
Sample : M3549-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW7A4

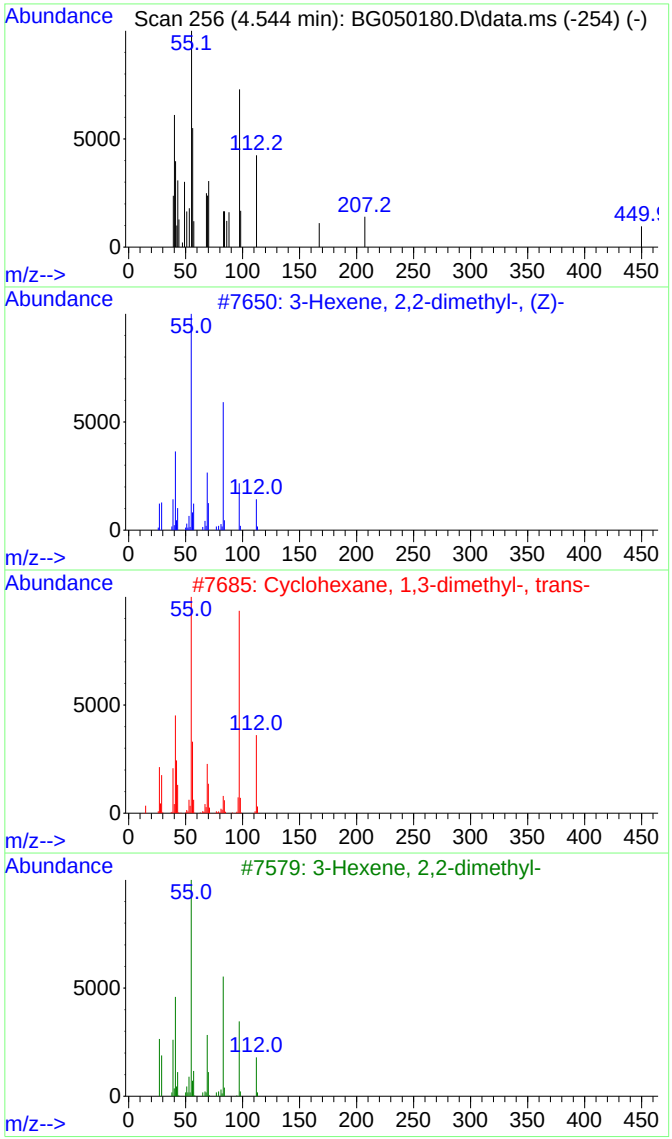
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG090721.M
Quant Title : SVOA CALIBRATION

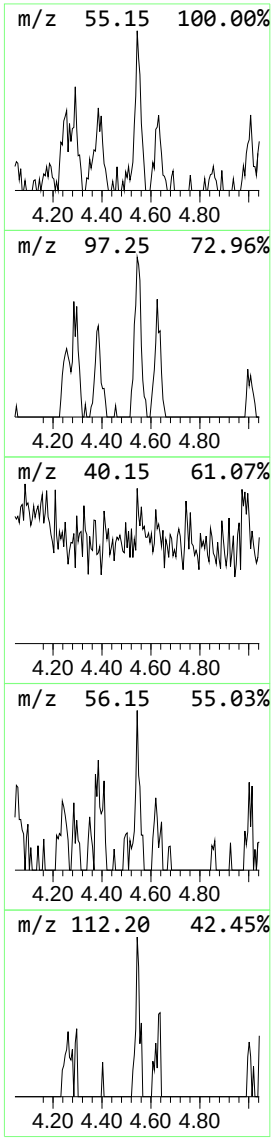
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.544	2.14 ng/ul	20958	1,4-Dichlorobenzene-d4	7.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 2,2-dimethyl-, (Z)-	112	C8H16	000690-92-6	27
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	22
3	3-Hexene, 2,2-dimethyl-	112	C8H16	003123-93-1	22
4	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	16
5	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	16





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090721\
Data File : BG050180.D
Acq On : 8 Sep 2021 00:47
Operator : CG/JU
Sample : M3549-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EW7A4

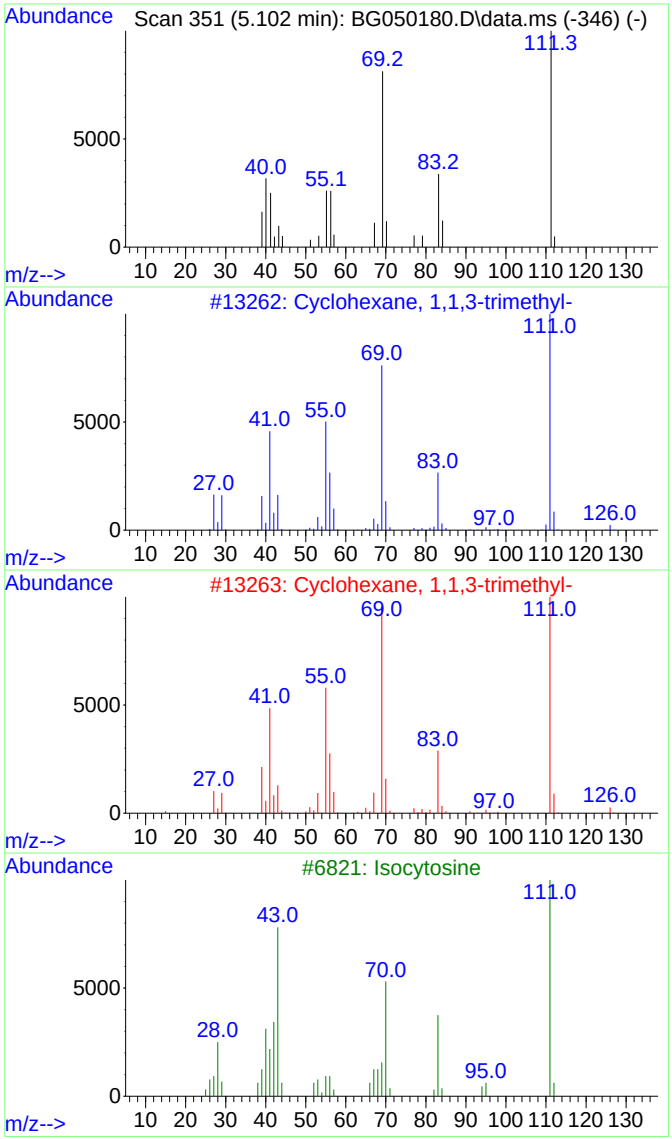
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG090721.M
Quant Title : SVOA CALIBRATION

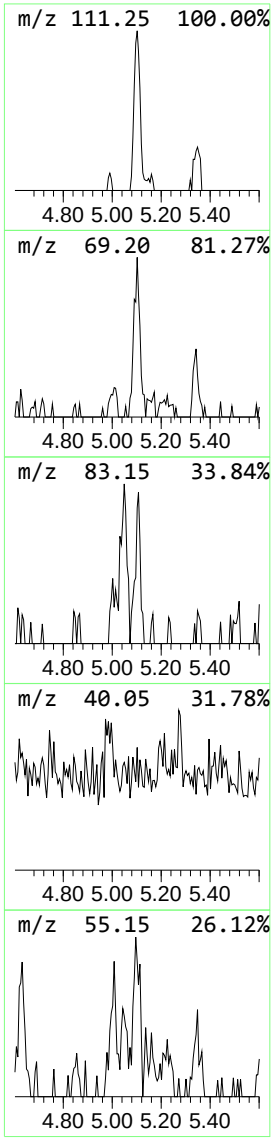
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Cyclic5.102 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.102	2.63 ng/ul	25795	1,4-Dichlorobenzene-d4	7.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	56
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	56
3	Isocytosine	111	C4H5N3O	000108-53-2	43
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	40
5	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	39





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Acq On : 8 Sep 2021 00:47
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Sample : M3549-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EW7A4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG090721.M
Quant Title : SVOA CALIBRATION

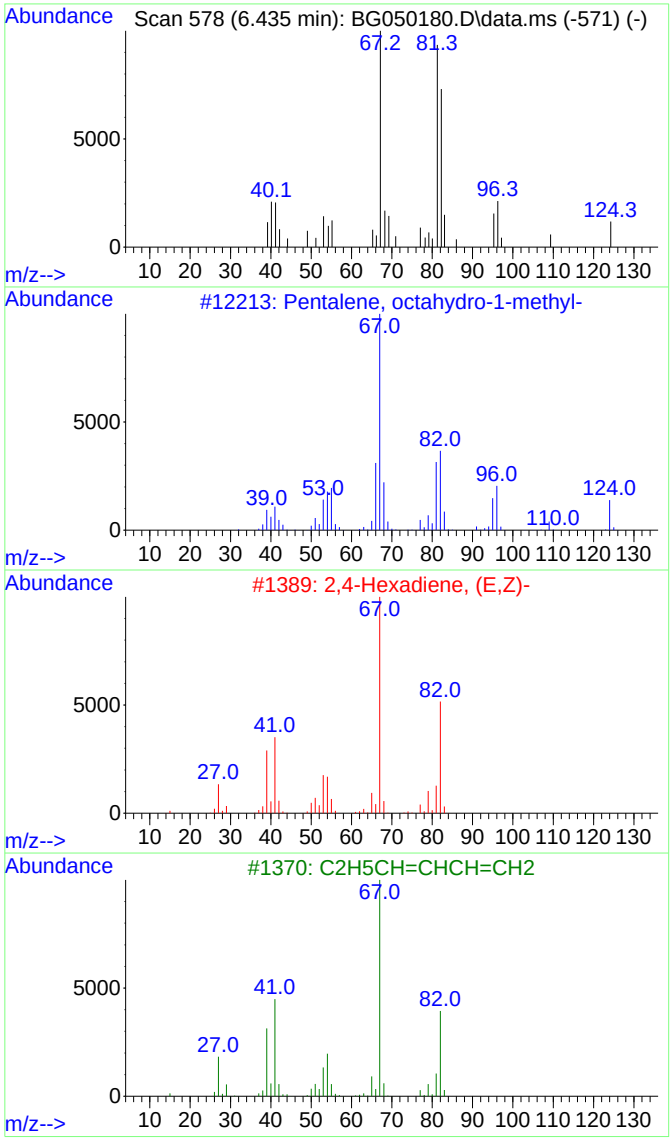
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

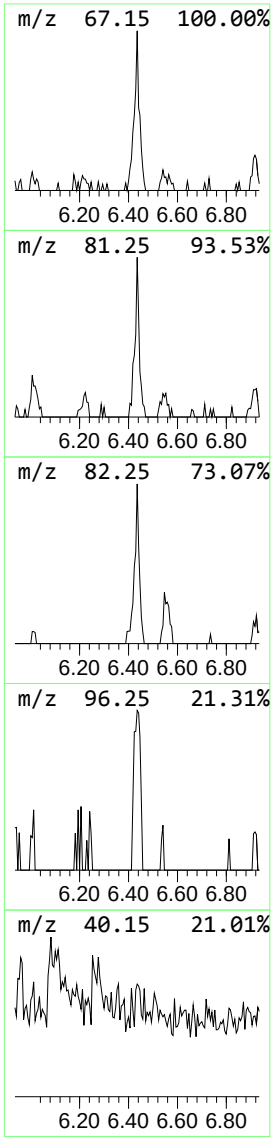
****

Peak Number 3 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.435	3.35 ng/ul	32841	1,4-Dichlorobenzene-d4	7.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-1-methyl-	124	C9H16	032273-77-1	46
2	2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	43
3	C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	43
4	1,4-Hexadiene	82	C6H10	000592-45-0	43
5	4-Methyl-2-pentyne	82	C6H10	021020-27-9	38





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Acq On : 8 Sep 2021 00:47
Operator : CG/JU
Sample : M3549-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EW7A4

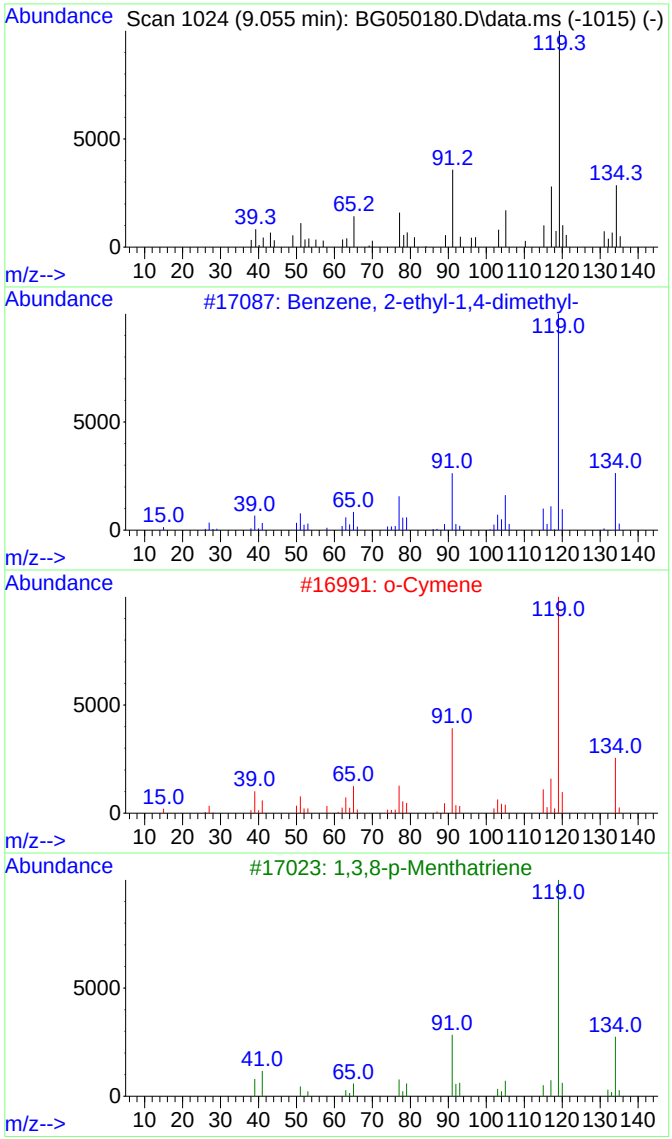
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG090721.M
Quant Title : SVOA CALIBRATION

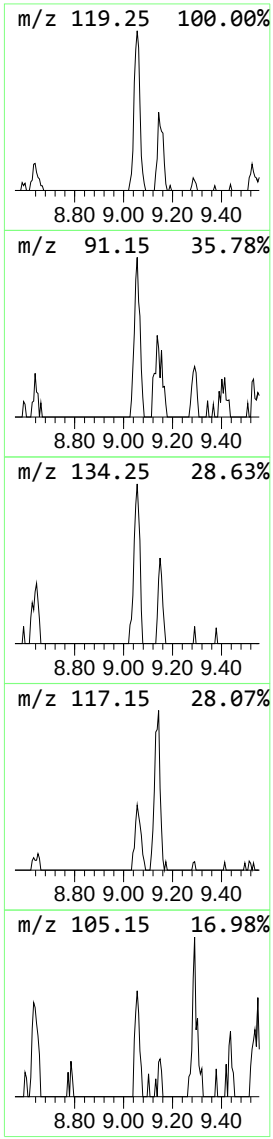
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.055	4.01 ng/ul	39328	1,4-Dichlorobenzene-d4	7.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	76
2	o-Cymene	134	C10H14	000527-84-4	76
3	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	72
4	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	72
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090721\
Data File : BG050180.D
Acq On : 8 Sep 2021 00:47
Operator : CG/JU
Sample : M3549-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EW7A4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG090721.M
Quant Title : SVOA CALIBRATION

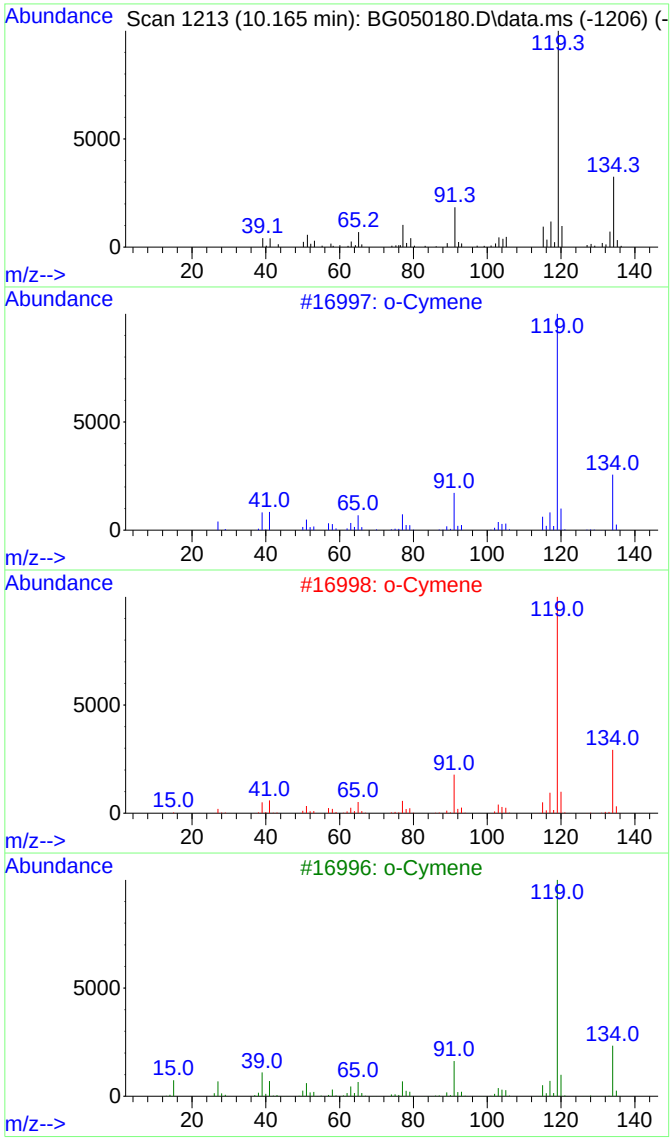
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

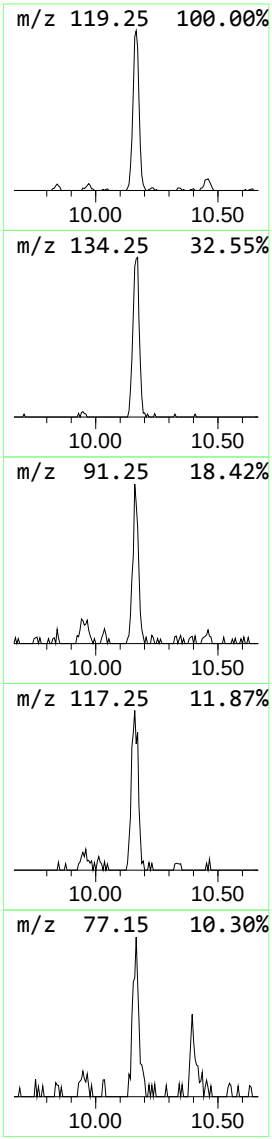
****

Peak Number 5 o-Cymene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.165	7.16 ng/ul	146804	Naphthalene-d8	10.765

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	o-Cymene	134	C10H14	000527-84-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





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Data File : BG050180.D
Acq On : 8 Sep 2021 00:47
Operator : CG/JU
Sample : M3549-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW7A4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG090721.M
Quant Title : SVOA CALIBRATION

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

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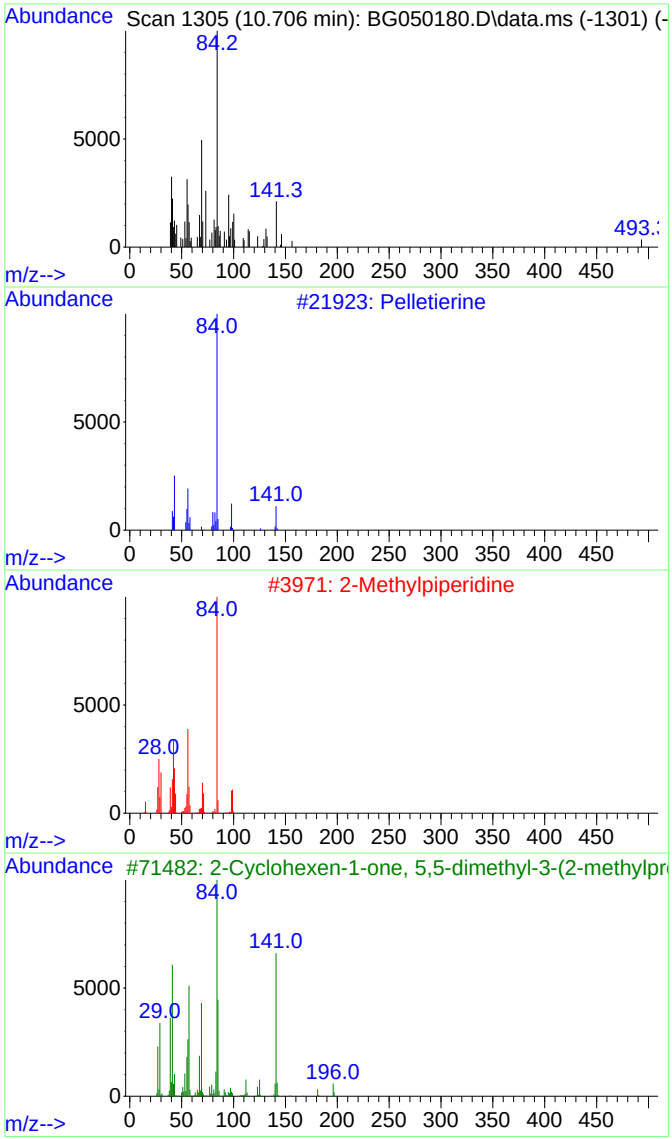
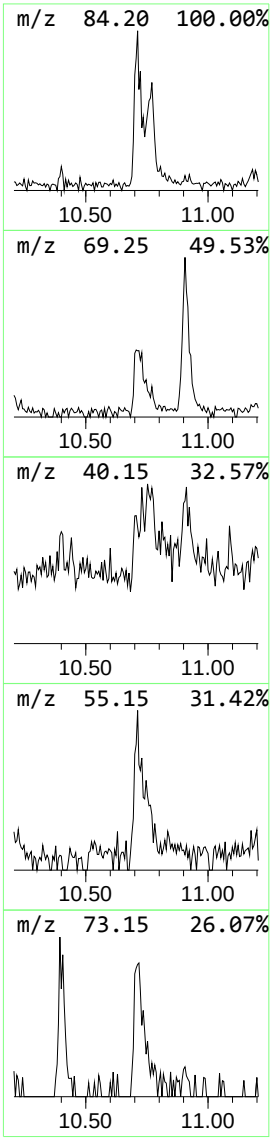
Peak Number 6 Pelletierine Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.706	3.52 ng/ul	72242	Naphthalene-d8	10.765

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pelletierine	141	C8H15NO	004396-01-4	50
2	2-Methylpiperidine	99	C6H13N	000109-05-7	47
3	2-Cyclohexen-1-one, 5,5-dimethyl...	196	C12H20O2	015466-96-3	47
4	2-Methylpiperidine	99	C6H13N	000109-05-7	47
5	2-Methylpiperidine	99	C6H13N	000109-05-7	46





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Operator : CG/JU
Sample : M3549-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EW7A4

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Quant Title : SVOA CALIBRATION

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

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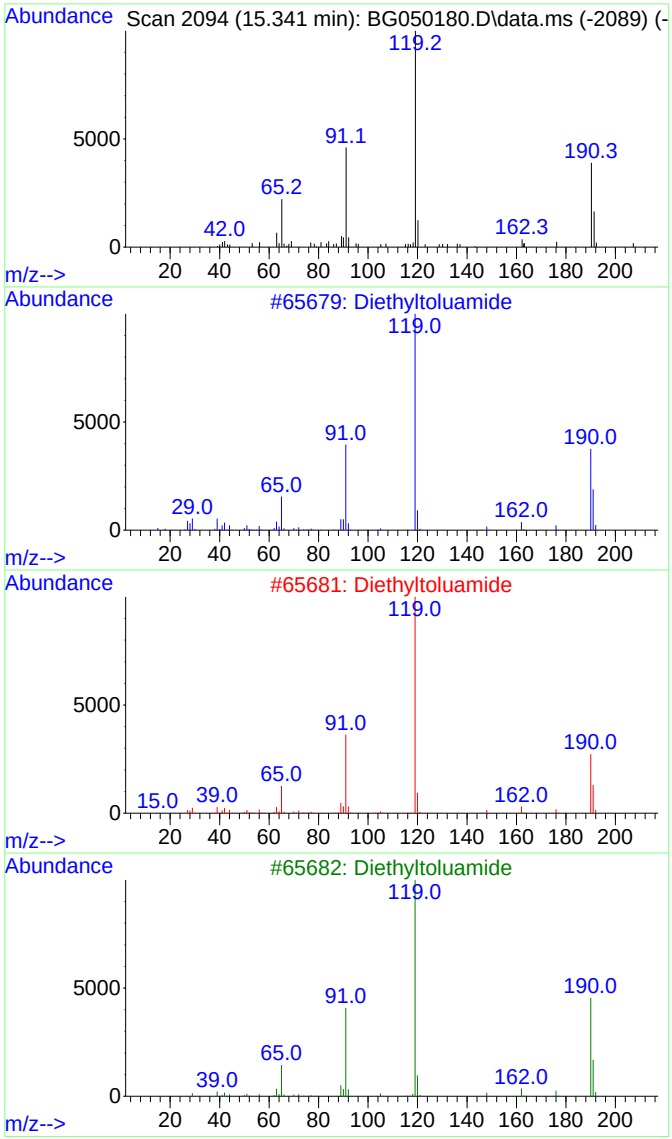
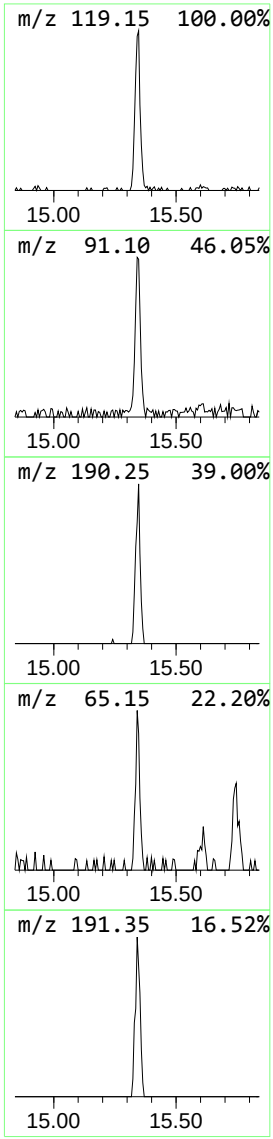
Peak Number 7 Diethyltoluamide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.341	3.17 ng/ul	55566	Acenaphthene-d10	14.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyltoluamide	191	C12H17NO	000134-62-3	94
2	Diethyltoluamide	191	C12H17NO	000134-62-3	94
3	Diethyltoluamide	191	C12H17NO	000134-62-3	94
4	Diethyltoluamide	191	C12H17NO	000134-62-3	94
5	3-(4-Methylbenzoyl)acrylic acid	190	C11H10O3	020972-36-5	72





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Acq On : 8 Sep 2021 00:47
Operator : CG/JU
Sample : M3549-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EW7A4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG090721.M
Quant Title : SVOA CALIBRATION

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

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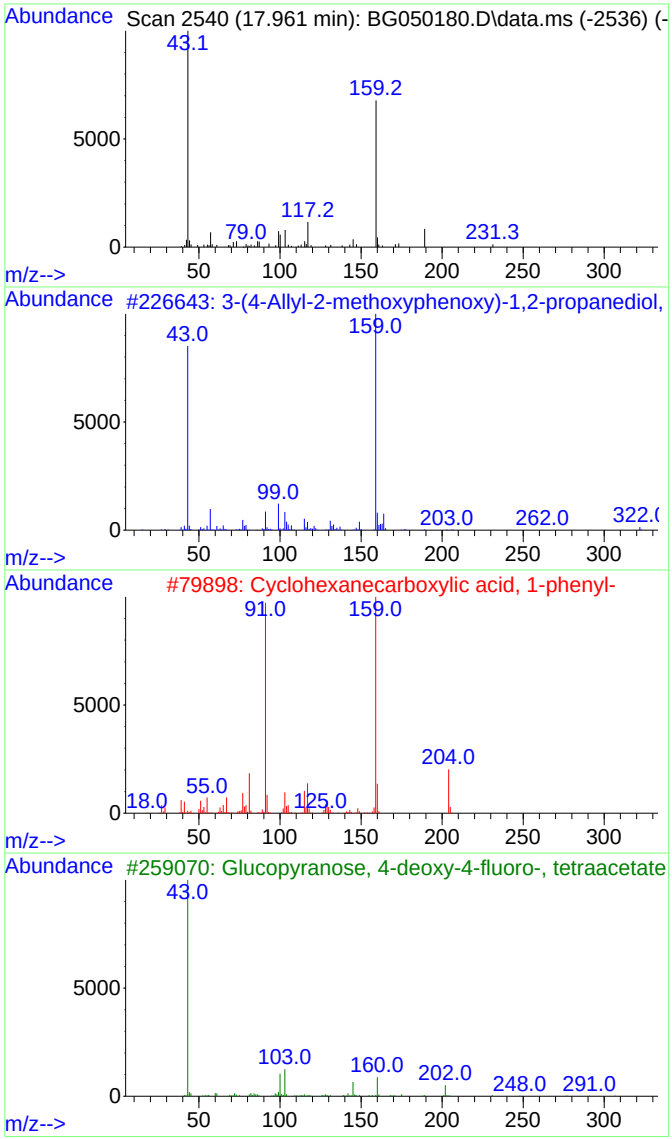
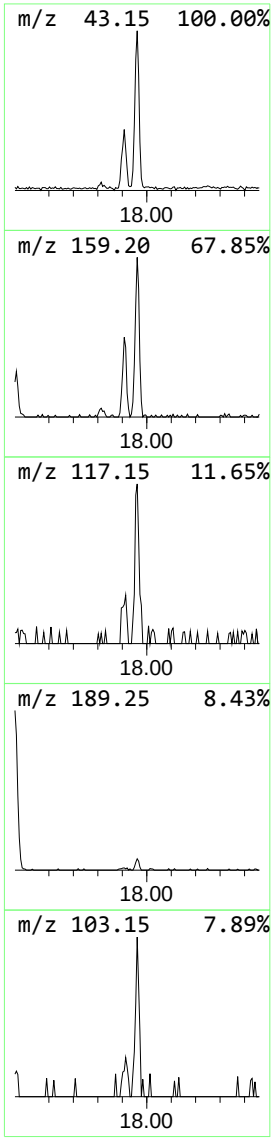
Peak Number 8 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.961	3.54 ng/ul	73743	Phenanthrene-d10	17.361

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(4-Allyl-2-methoxyphenoxy)-1,2...	322	C17H22O6	1010475-03-5	33
2	Cyclohexanecarboxylic acid, 1-ph...	204	C13H16O2	001135-67-7	23
3	Glucopyranose, 4-deoxy-4-fluoro-...	350	C14H19FO9	027108-07-2	14
4	1,2,4-Butanetriol, triacetate	232	C10H16O6	014835-47-3	12
5	Acetic acid, thio-, S-hexyl ester	160	C8H16OS	002307-12-2	10





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090721\
Data File : BG050180.D
Acq On : 8 Sep 2021 00:47
Operator : CG/JU
Sample : M3549-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : EW7A4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG090721.M
Quant Title : SVOA 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
(DEL) Alkane: S...	4.544	2.1	ng/ul	20958	1	7.945	196049	20.0
(DEL) Alkane: C...	5.102	2.6	ng/ul	25795	1	7.945	196049	20.0
unknown-01	6.435	3.4	ng/ul	32841	1	7.945	196049	20.0
Benzene, 2-ethy...	9.055	4.0	ng/ul	39328	1	7.945	196049	20.0
o-Cymene	10.165	7.2	ng/ul	146804	2	10.765	410152	20.0
Pelletierine	10.706	3.5	ng/ul	72242	2	10.765	410152	20.0
Diethyltoluamide	15.341	3.2	ng/ul	55566	3	14.612	350604	20.0
unknown-02	17.961	3.5	ng/ul	73743	4	17.361	417026	20.0