LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
Data File : BG040162.D
Acq On : 27 Mar 2019 00:59
Operator : JU/SJ
Sample : K2099-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

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-BG030419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.194	12	18	26	rBV	247666	534486	19.04%	2.677%
2	3.270	26	31	43	rVB	569475	848123	30.21%	4.247%
3	3.804	118	122	131	rVB6	20495	43619	1.55%	0.218%
4	4.592	248	256	265	rVB5	15542	37565	1.34%	0.188%
5	5.226	358	364	371	rBV2	28454	56873	2.03%	0.285%
6	5.684	436	442	451	rBV	274269	454152	16.18%	2.274%
7	6.184	522	527	535	rVB	30539	51648	1.84%	0.259%
8	6.877	638	645	651	rVB4	14491	31747	1.13%	0.159%
9	7.100	677	683	688	rBV2	24683	43907	1.56%	0.220%
10	7.188	693	698	704	rVV4	18230	33180	1.18%	0.166%
11	7.282	706	714	721	rVV	188793	363470	12.95%	1.820%
12	7.341	721	724	728	rVV	29304	43533	1.55%	0.218%
13	7.511	747	753	762	rBV	57750	96483	3.44%	0.483%
14	7.670	772	780	787	rBV	459175	821638	29.27%	4.115%
15	7.781	792	799	804	rVB3	22261	37357	1.33%	0.187%
16	8.140	854	860	865	rBV	145703	260732	9.29%	1.306%
17	8.240	872	877	883	rBV3	16208	29598	1.05%	0.148%
18	8.463	908	915	920	rVV	584492	1016834	36.22%	5.092%
19	8.510	920	923	934	rVB2	57918	111256	3.96%	0.557%
20	8.610	934	940	946	rBV	56613	93273	3.32%	0.467%
21	8.762	960	966	971	rBV2	55046	98195	3.50%	0.492%
22	8.809	971	974	978	rVV6	19150	30312	1.08%	0.152%
23	8.927	990	994	998	rBV	21657	30609	1.09%	0.153%
24	9.074	1012	1019	1025	rVB3	29124	54009	1.92%	0.270%
25	9.232	1039	1046	1053	rVB2	156277	273455	9.74%	1.369%
26	9.315	1053	1060	1068	rBV	574029	1064871	37.94%	5.333%
27	9.473	1080	1087	1094	rVB6	32144	66734	2.38%	0.334%
28	9.755	1130	1135	1141	rVV	80929	135860	4.84%	0.680%
29	9.820	1141	1146	1158	rVB2	43730	79606	2.84%	0.399%
30	10.014	1172	1179	1183	rBV2	25300	49192	1.75%	0.246%
31	10.055	1183	1186	1190	rVV5	20576	31013	1.10%	0.155%
32	10.131	1192	1199	1204	rVV2	45837	87055	3.10%	0.436%
33	10.190	1204	1209	1218	rVB2	52179	110939	3.95%	0.556%
34	10.337	1228	1234	1241	rVB	154091	266351	9.49%	1.334%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2099-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

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-BG030419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.401	1241	1245	1248	rBV5	20136	32588	1.16%	0.163%
36	10.507	1256	1263	1269	rVB4	30619	65640	2.34%	0.329%
37	10.578	1269	1275	1279	rVB7	16124	30400	1.08%	0.152%
38	10.631	1279	1284	1291	rBV3	27047	46348	1.65%	0.232%
39	10.918	1325	1333	1335	rBV2	53927	109946	3.92%	0.551%
40	10.959	1335	1340	1345	rVV	176542	299591	10.67%	1.500%
41	11.053	1352	1356	1363	rVB2	46441	81624	2.91%	0.409%
42	11.147	1363	1372	1378	rVB3	25354	53762	1.92%	0.269%
43	11.418	1414	1418	1423	rBV6	16714	36808	1.31%	0.184%
44	11.535	1433	1438	1441	rBV5	19747	41327	1.47%	0.207%
45	11.600	1445	1449	1457	rVV4	22554	56222	2.00%	0.282%
46	11.741	1465	1473	1480	rBV10	14901	45694	1.63%	0.229%
47	11.852	1488	1492	1497	rVB2	30276	42952	1.53%	0.215%
48	12.046	1520	1525	1530	rVV2	21824	35832	1.28%	0.179%
49	12.134	1534	1540	1552	rVB9	25434	79848	2.84%	0.400%
50	12.334	1567	1574	1581	rBV3	49602	105883	3.77%	0.530%
51	12.481	1596	1599	1606	rVB5	23650	43829	1.56%	0.219%
52	12.546	1606	1610	1615	rBV4	25554	40176	1.43%	0.201%
53	12.598	1615	1619	1623	rBV	31830	53998	1.92%	0.270%
54	12.822	1648	1657	1666	rBV5	77997	191943	6.84%	0.961%
55	13.110	1703	1706	1712	rVV4	31591	56467	2.01%	0.283%
56	13.168	1712	1716	1722	rVV3	19016	43200	1.54%	0.216%
57	13.251	1726	1730	1743	rVB3	18283	59267	2.11%	0.297%
58	13.386	1746	1753	1760	rVB	1385371	2132197	75.96%	10.678%
59	13.703	1801	1807	1810	rBV5	19492	36203	1.29%	0.181%
60	13.797	1818	1823	1827	rBV7	15978	29940	1.07%	0.150%
61	13.950	1833	1849	1853	rBV5	73850	234783	8.36%	1.176%
62	14.079	1865	1871	1876	rBV4	30777	68285	2.43%	0.342%
63	14.132	1877	1880	1885	rVV2	22609	37045	1.32%	0.186%
64	14.202	1888	1892	1896	rVV	30907	50034	1.78%	0.251%
65	14.243	1896	1899	1905	rVV5	23155	47551	1.69%	0.238%
66	14.314	1905	1911	1918	rVV7	28839	76054	2.71%	0.381%
67	14.390	1921	1924	1930	rVB5	21361	33896	1.21%	0.170%
68	14.560	1947	1953	1959	rBV7	14507	33247	1.18%	0.166%
69	14.696	1972	1976	1981	rBV6	17837	39342	1.40%	0.197%
70	14.766	1982	1988	1994	rVV2	314432	527155	18.78%	2.640%
71	14.825	1994	1998	2004	rVB4	28881	54073	1.93%	0.271%

LSC Area Percent Report

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Misc :
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Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.889	2004	2009	2014	rBV4	27572	58689	2.09%	0.294%
73	15.148	2045	2053	2061	rVB4	23344	66347	2.36%	0.332%
74	15.371	2085	2091	2097	rBV4	15230	33482	1.19%	0.168%
75	15.518	2107	2116	2126	rBV4	13610	54232	1.93%	0.272%
76	15.618	2126	2133	2140	rVB9	15652	37901	1.35%	0.190%
77	15.806	2158	2165	2169	rBV	19611	43793	1.56%	0.219%
78	16.000	2194	2198	2206	rVB3	15043	28255	1.01%	0.141%
79	16.252	2234	2241	2252	rBV	757528	1207837	43.03%	6.049%
80	16.487	2276	2281	2289	rVB2	40181	78129	2.78%	0.391%
81	17.509	2449	2455	2460	rBV2	433481	669361	23.85%	3.352%
82	17.551	2460	2462	2468	rVB2	29838	37414	1.33%	0.187%
83	18.361	2593	2600	2608	rBV3	73148	143403	5.11%	0.718%
84	19.624	2811	2815	2822	rBV9	29646	45554	1.62%	0.228%
85	20.100	2890	2896	2904	rVB	2089191	2807007	100.00%	14.057%
86	21.398	3111	3117	3126	rVB6	28016	70780	2.52%	0.354%
87	21.792	3177	3184	3192	rBV	427049	749555	26.70%	3.754%
88	21.933	3204	3208	3213	rVB2	29171	41075	1.46%	0.206%
89	22.556	3309	3314	3321	rVB3	40073	71272	2.54%	0.357%
90	23.266	3429	3435	3443	rVB	59304	108687	3.87%	0.544%
91	24.095	3568	3576	3585	rBV2	58132	133685	4.76%	0.669%
92	25.076	3735	3743	3747	rBV2	54325	135379	4.82%	0.678%
93	25.152	3747	3756	3768	rVB2	238350	712856	25.40%	3.570%
94	26.245	3934	3942	3953	rVB5	38580	124909	4.45%	0.626%
95	27.655	4172	4182	4188	rBV5	21251	68559	2.44%	0.343%

Sum of corrected areas: 19968986

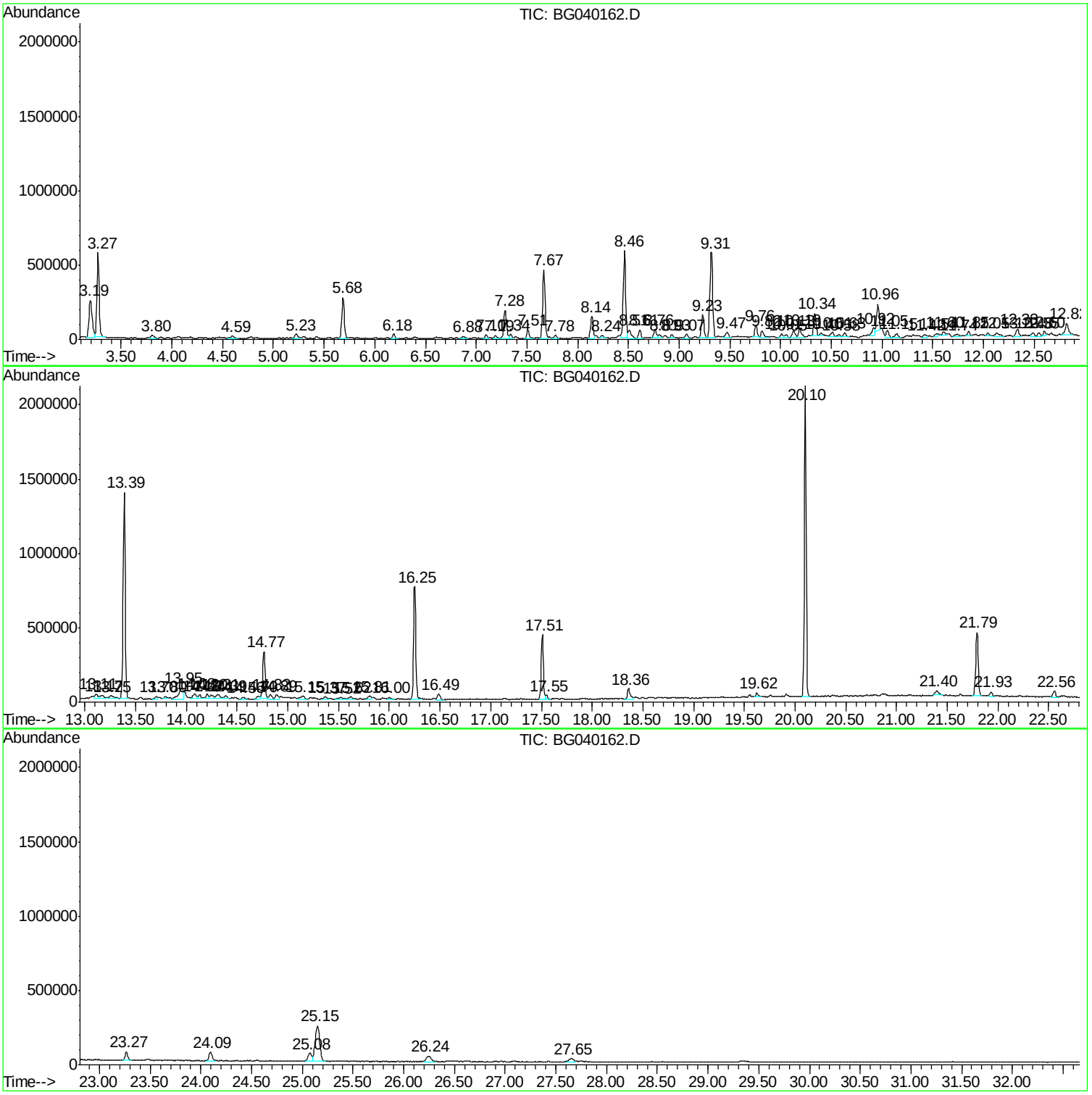
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
Data File : BG040162.D
Acq On : 27 Mar 2019 00:59
Operator : JU/SJ
Sample : K2099-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-C05-SETTLED-2H-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
Data File : BG040162.D
Acq On : 27 Mar 2019 00:59
Operator : JU/SJ
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

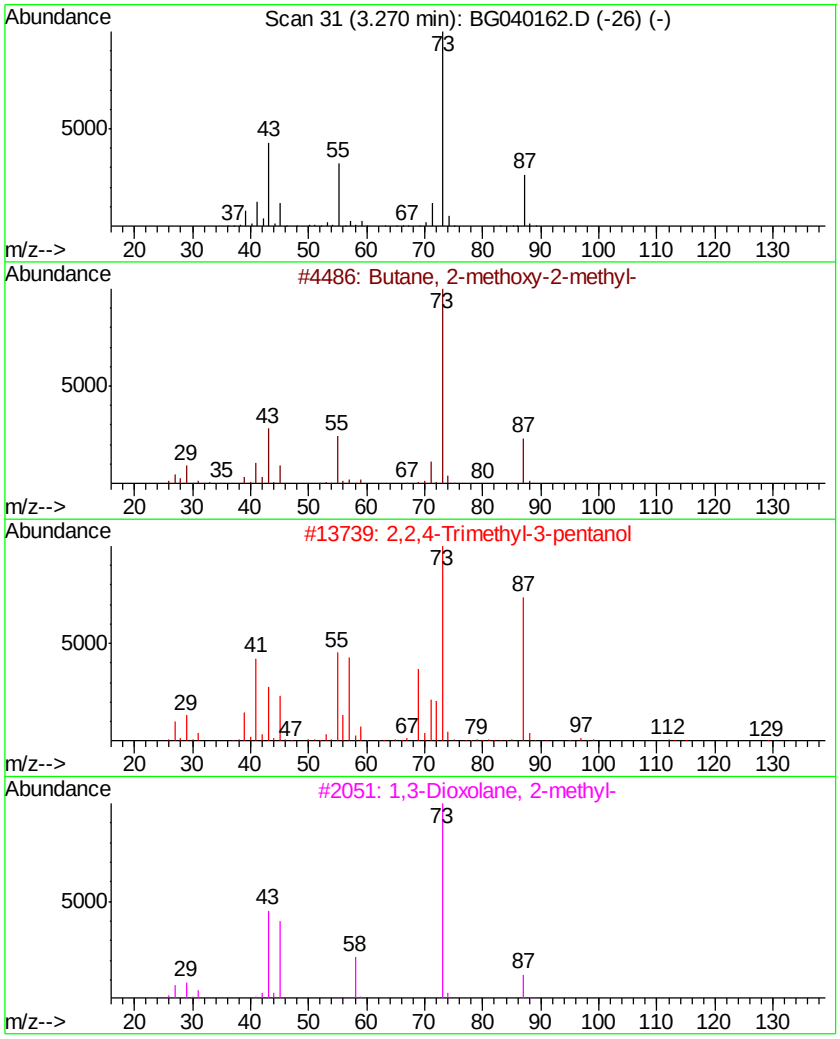
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

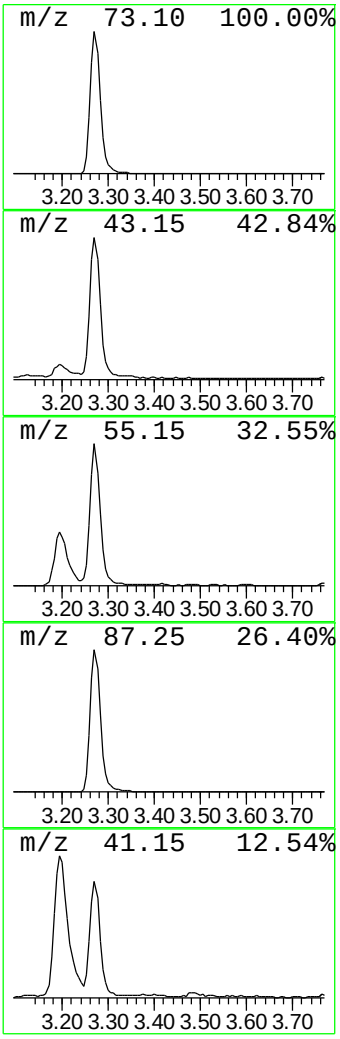
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.27	65.06 ng	848123	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
Data File : BG040162.D
Acq On : 27 Mar 2019 00:59
Operator : JU/SJ
Sample : K2099-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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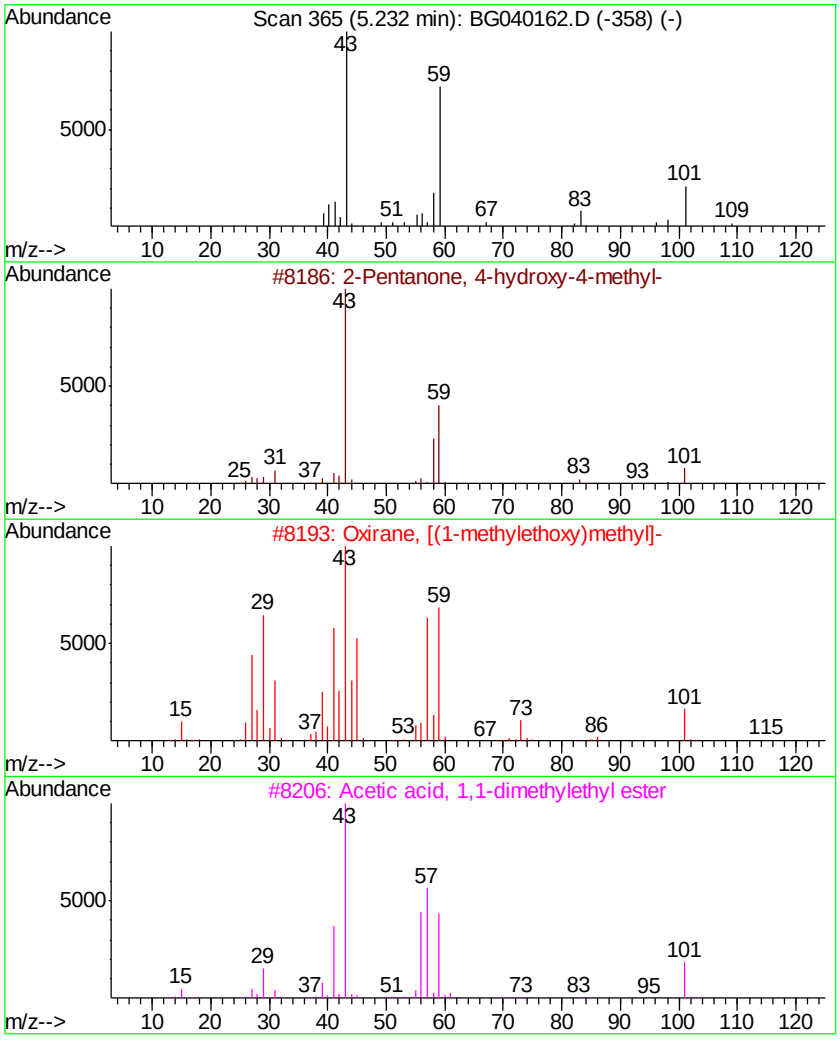
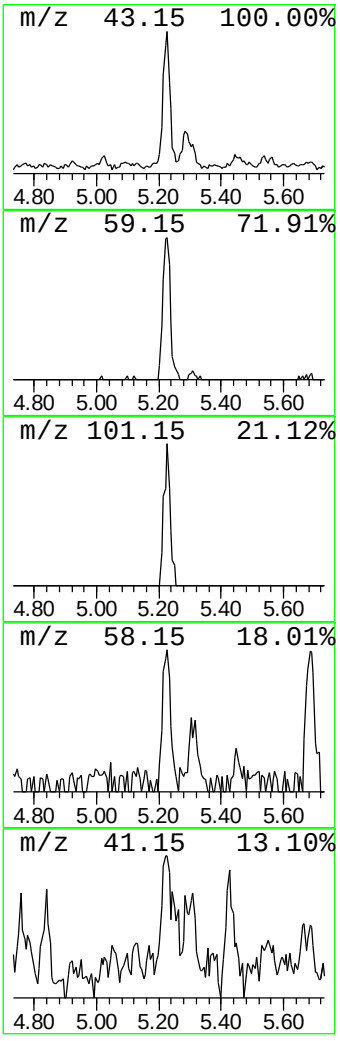
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.23	4.36 ng	56873	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Oxirane, [(1-methylethoxy)methyl]-	116	C6H12O2	004016-14-2	39
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	25





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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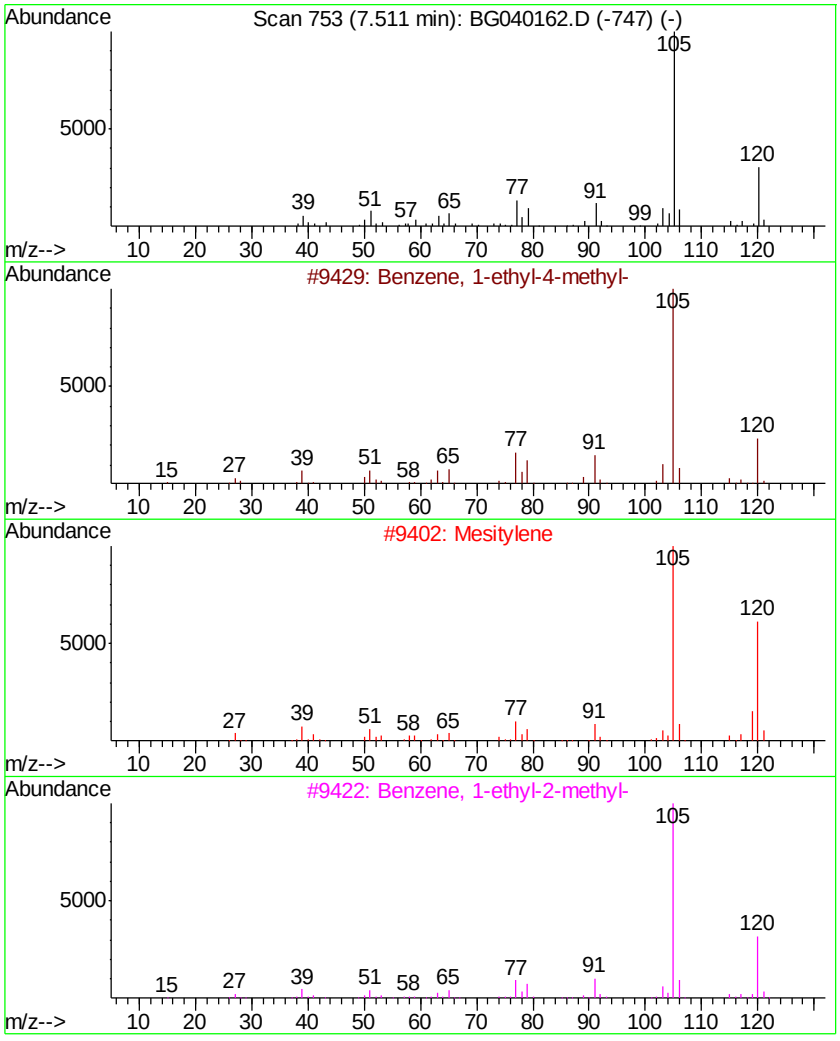
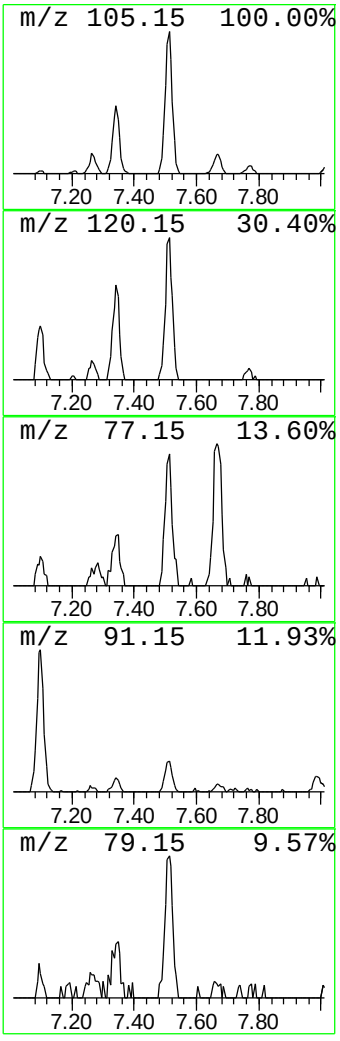
****

Peak Number 4 Benzene, 1-ethyl-4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.51	7.40 ng	96483	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

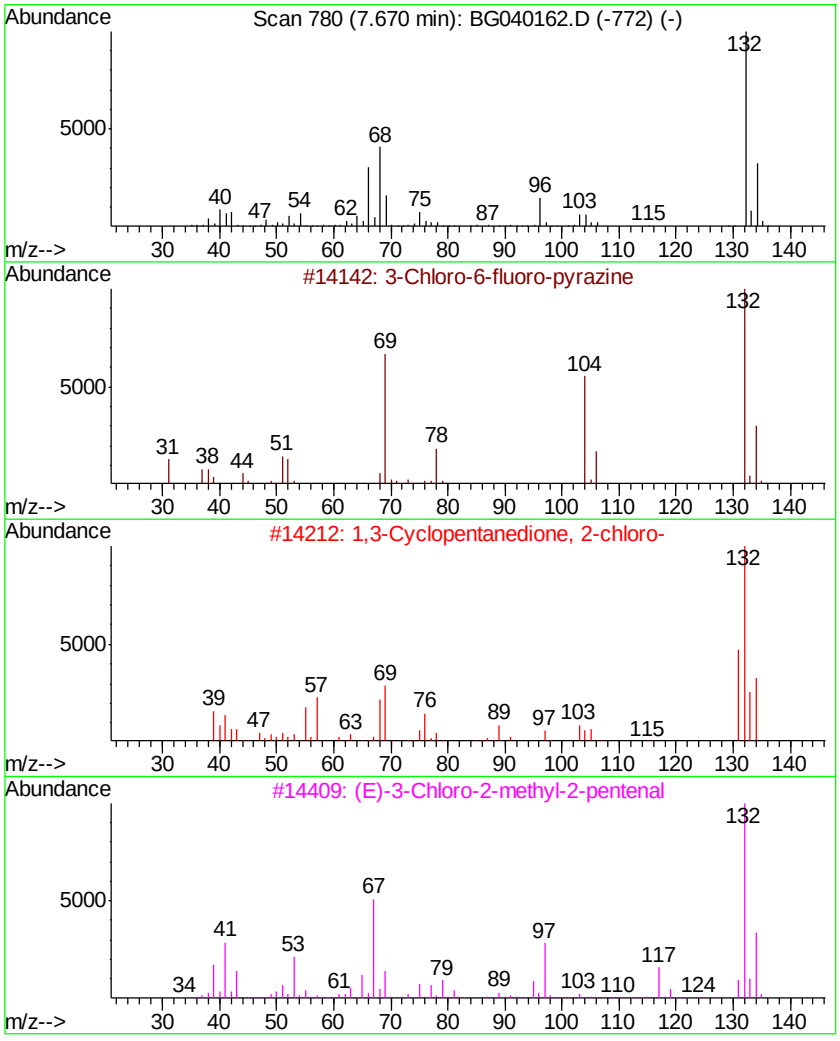
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

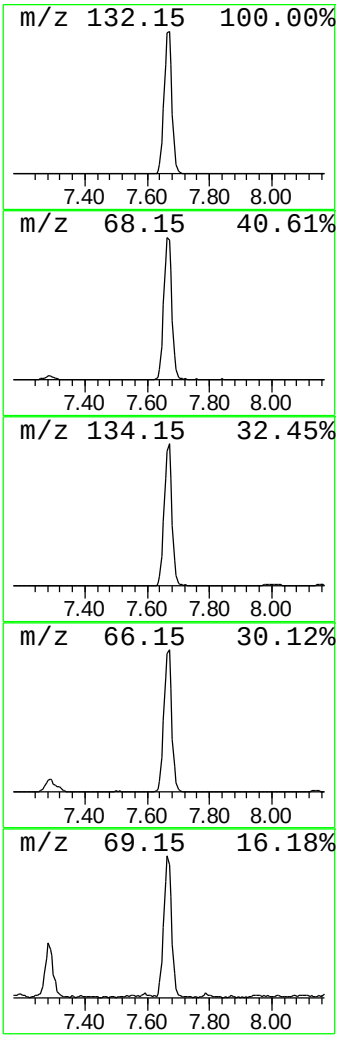
****

Peak Number 5 unknown7.67 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.67	63.03 ng	821638	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	17
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

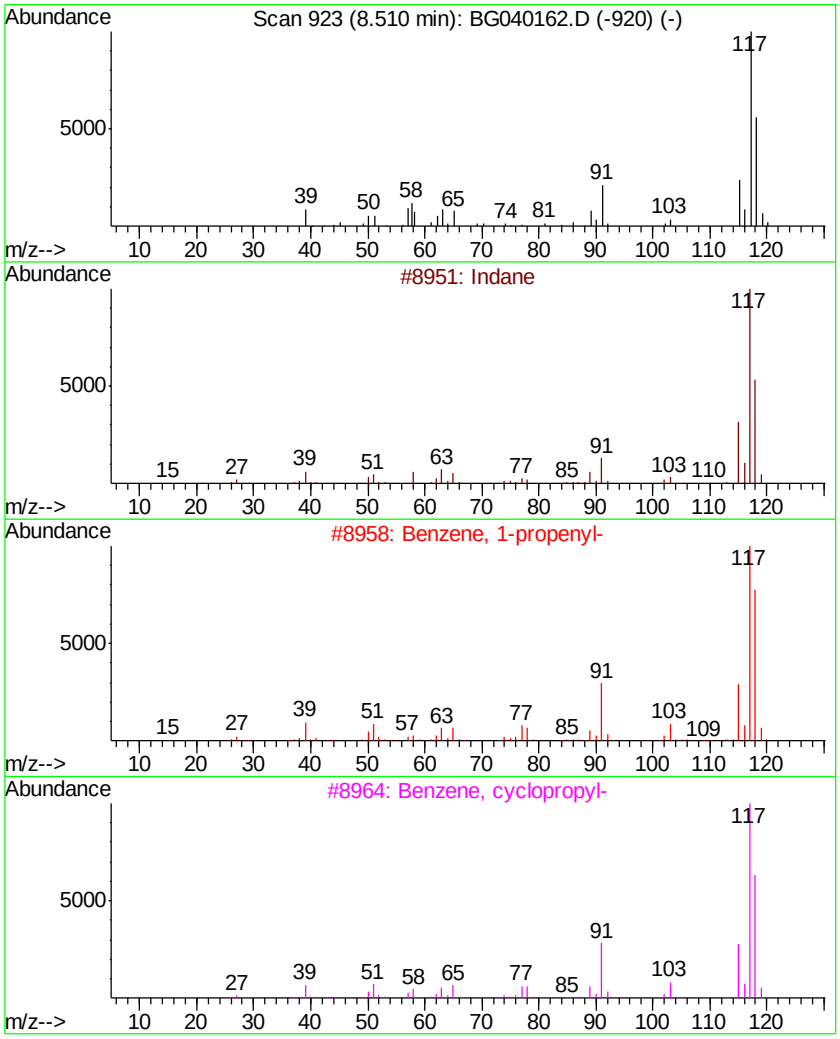
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

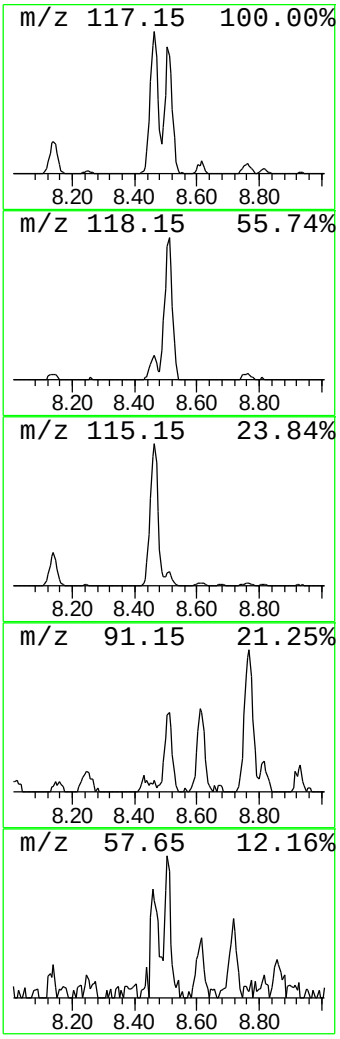
****

Peak Number 7 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	8.53 ng	111256	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	62
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	62
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	58
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	58





Library Search Compound Report

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Data File : BG040162.D
Acq On : 27 Mar 2019 00:59
Operator : JU/SJ
Sample : K2099-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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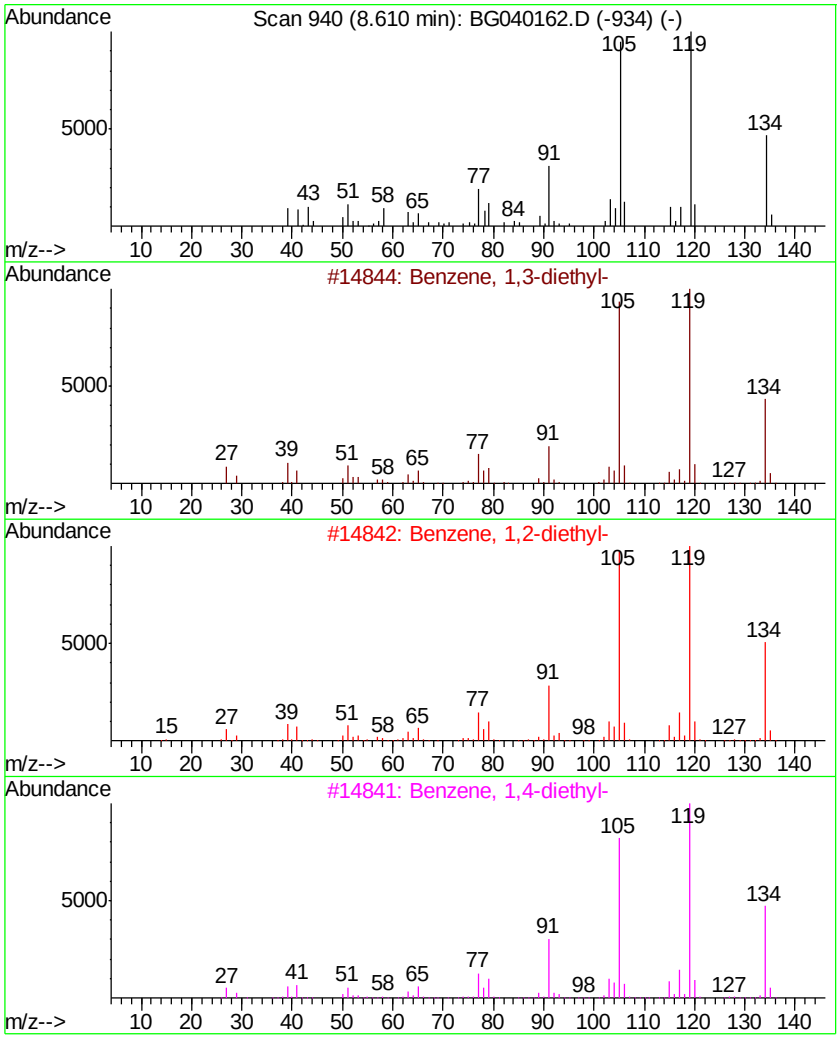
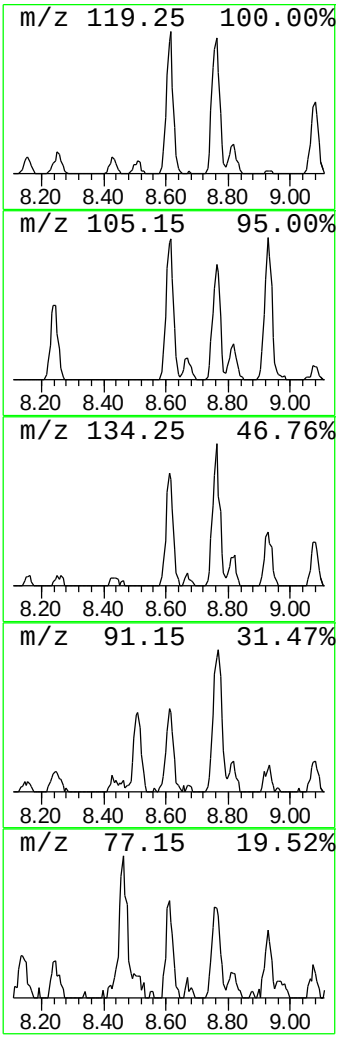
Peak Number 8 Benzene, 1,3-diethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	7.15 ng	93273	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
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





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Misc :
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Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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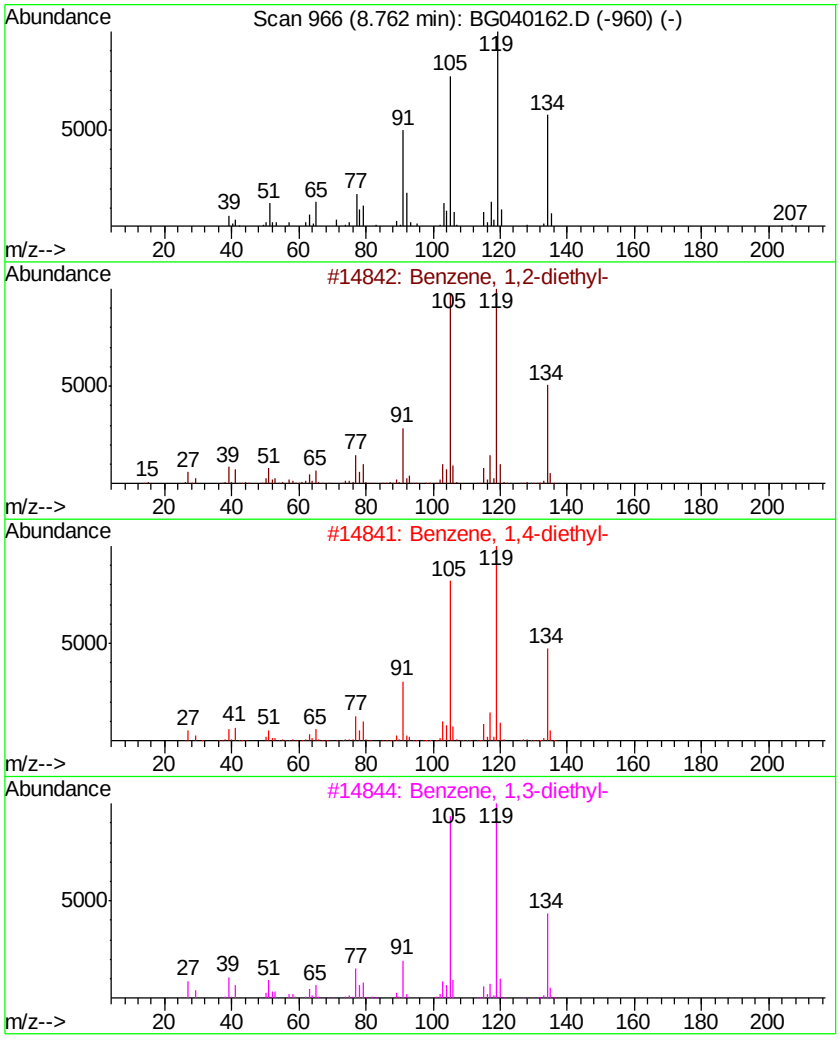
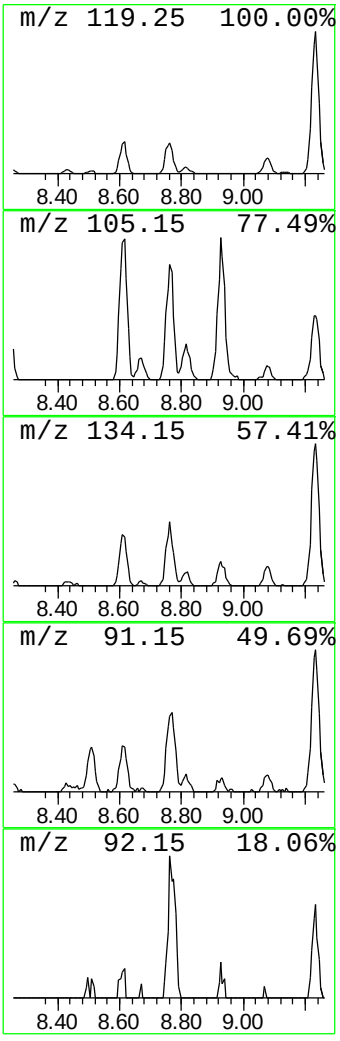
Peak Number 9 Benzene, 1,2-diethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	7.53 ng	98195	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





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Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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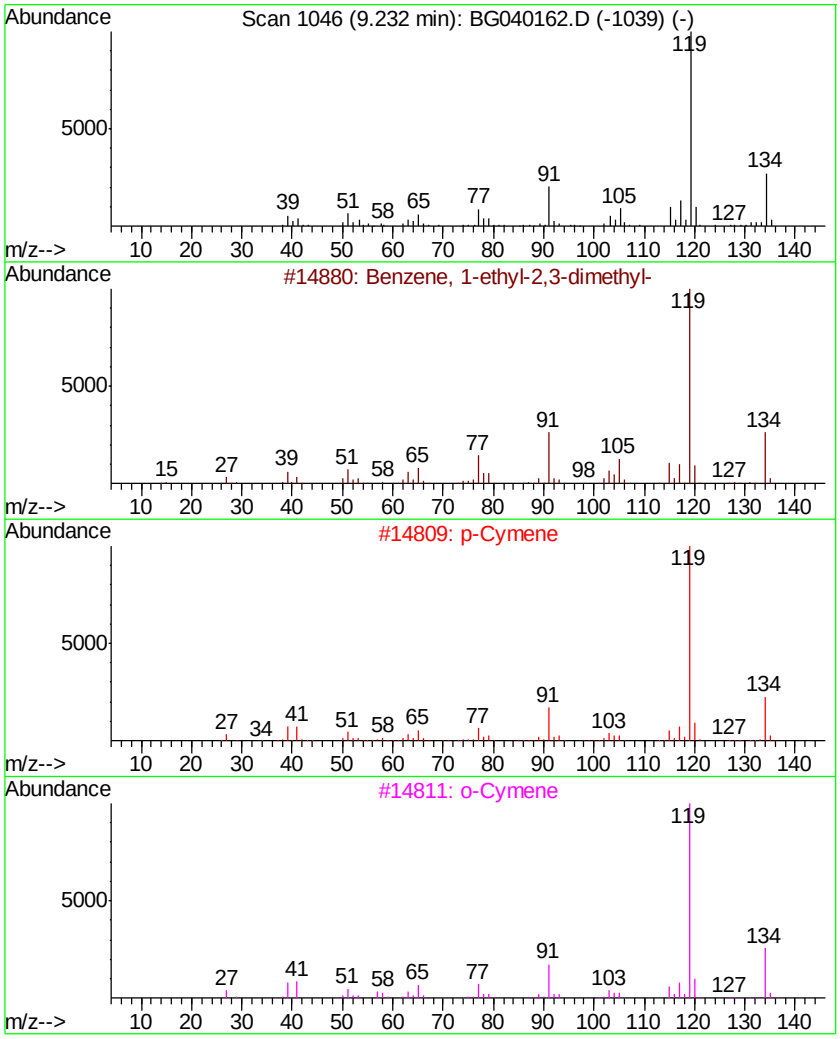
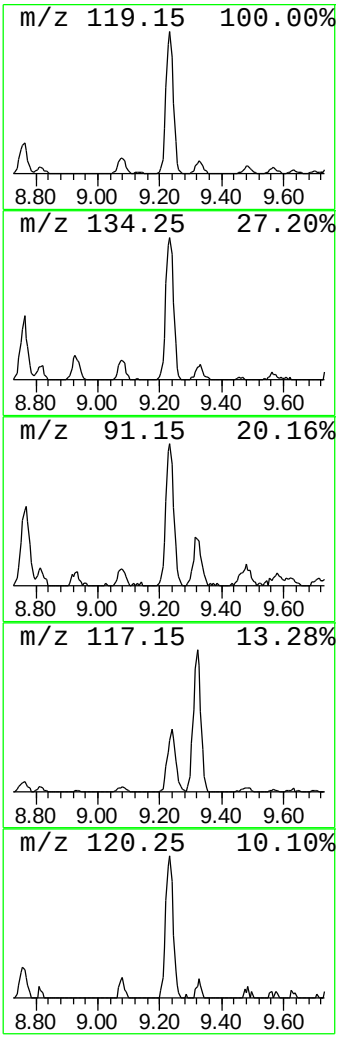
Peak Number 10 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	20.98 ng	273455	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
2	p-Cymene	134	C10H14	000099-87-6	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





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Sample : K2099-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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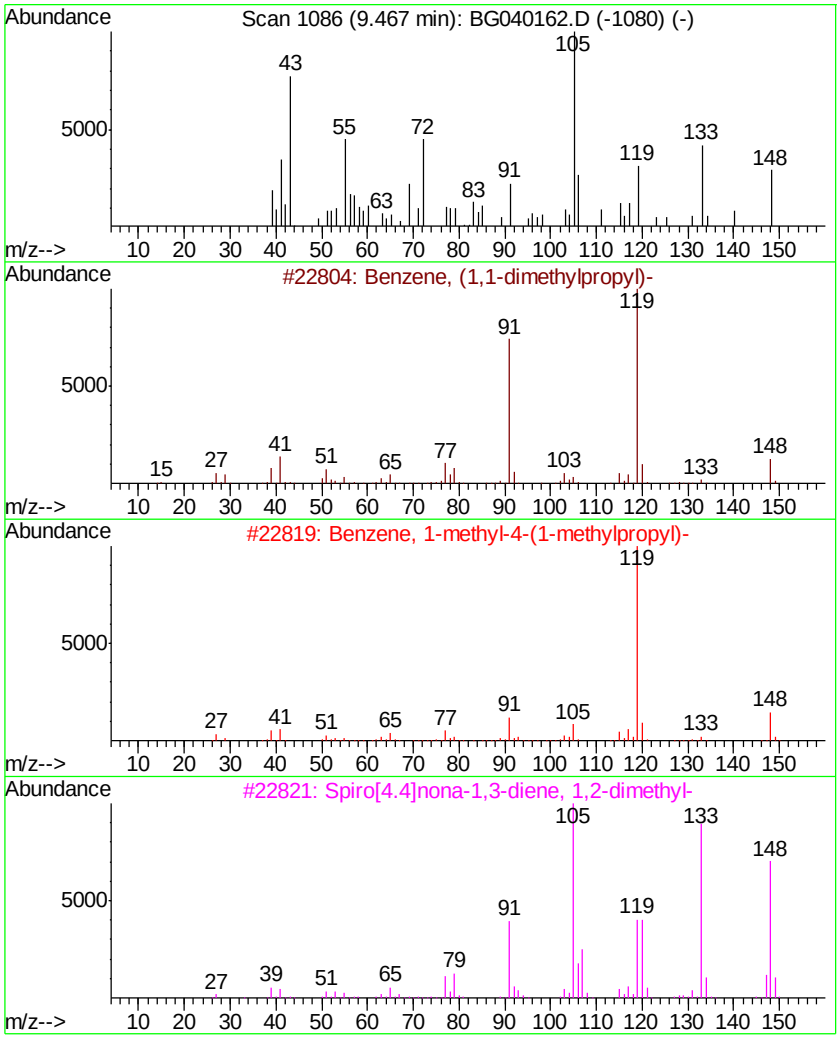
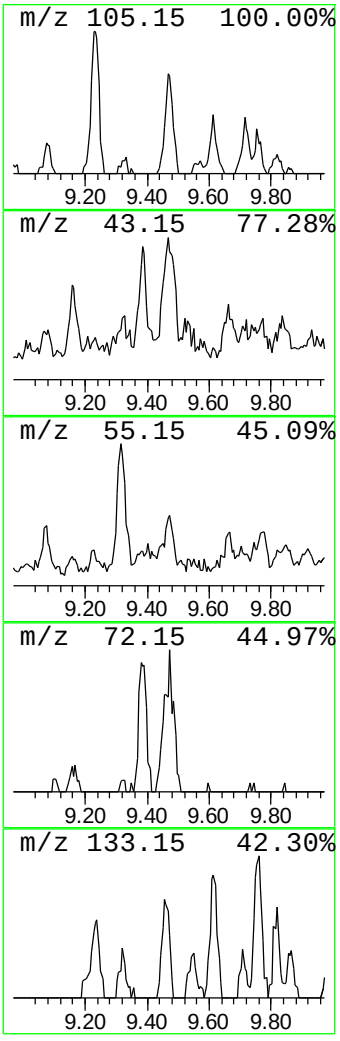
Peak Number 11 unknown9.47 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	5.12 ng	66734	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	38
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	35
3	Spiro[4.4]nona-1,3-diene, 1,2-di...	148	C11H16	1000163-57-6	35
4	3,4-Dihydro-2-quinoxalinol	148	C8H8N2O	1000332-36-8	30
5	Benzenepropanal, .beta.-methyl-	148	C10H12O	016251-77-7	27





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Sample : K2099-09
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Instrument : BNA_G
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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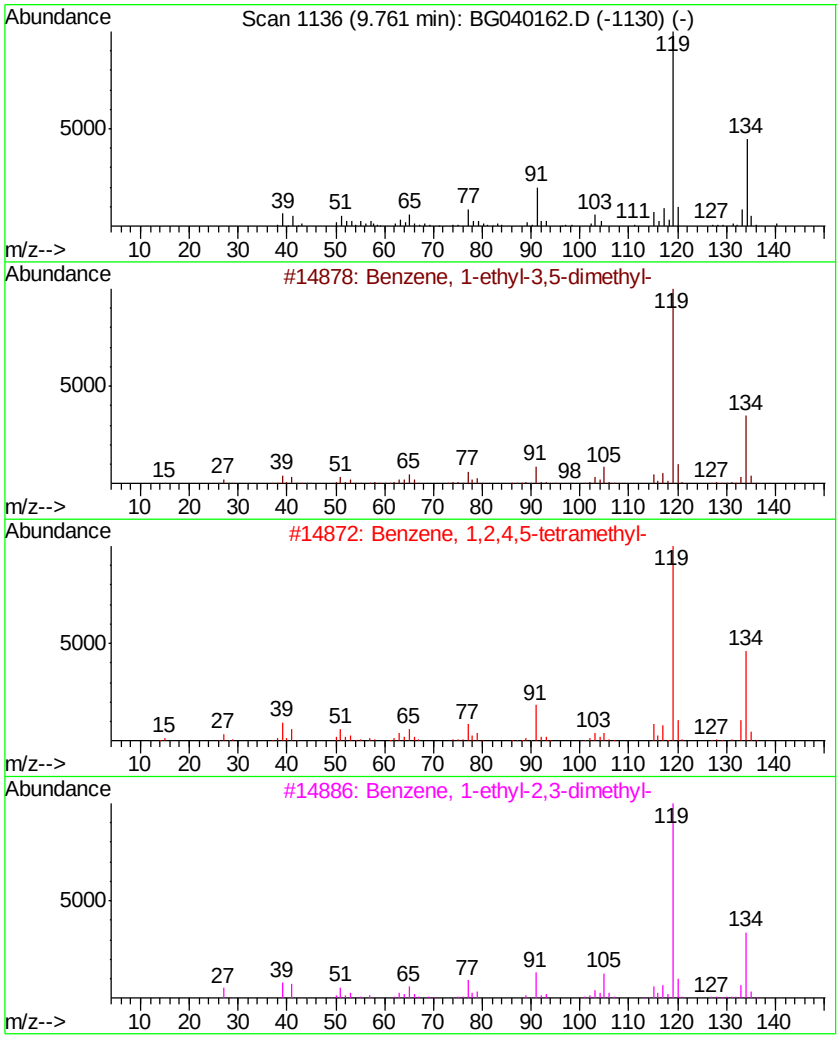
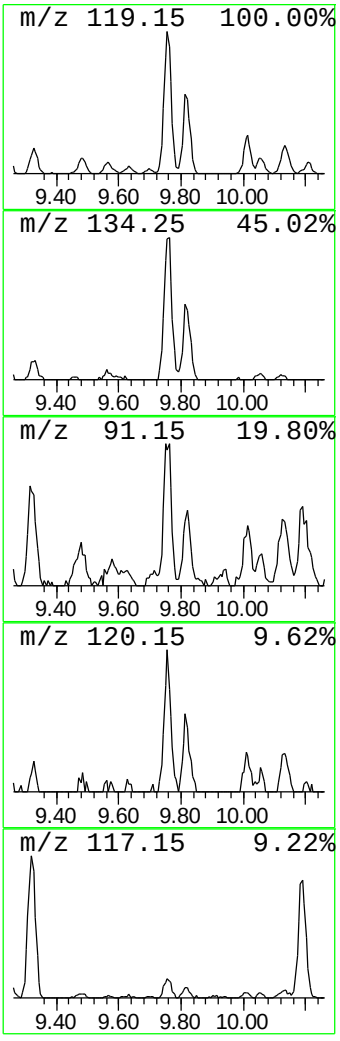
Peak Number 12 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	9.07 ng	135860	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91





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ClientSampleId : MH-C05-SETTLED-2H-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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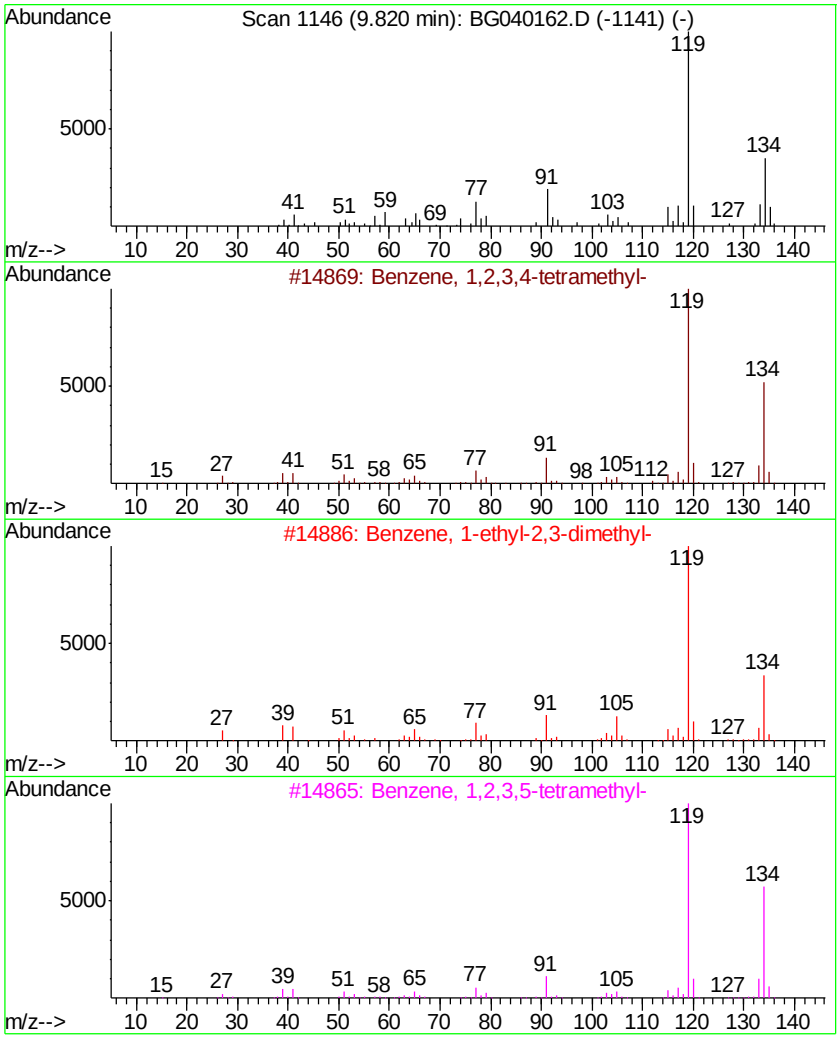
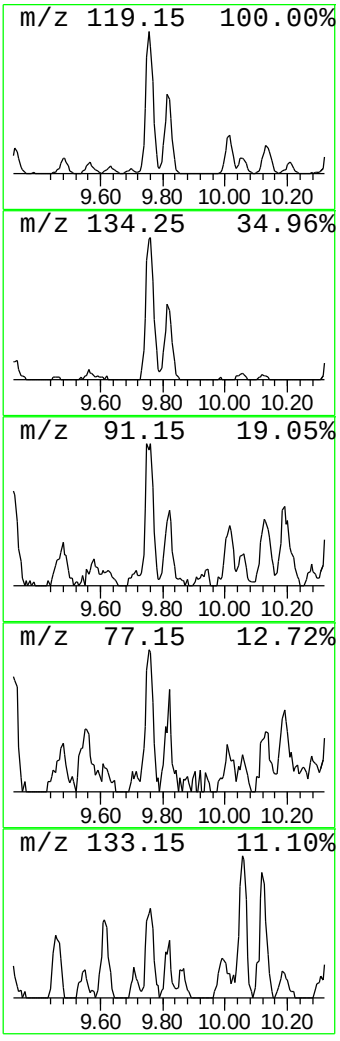
Peak Number 13 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	5.31 ng	79606	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90





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Sample : K2099-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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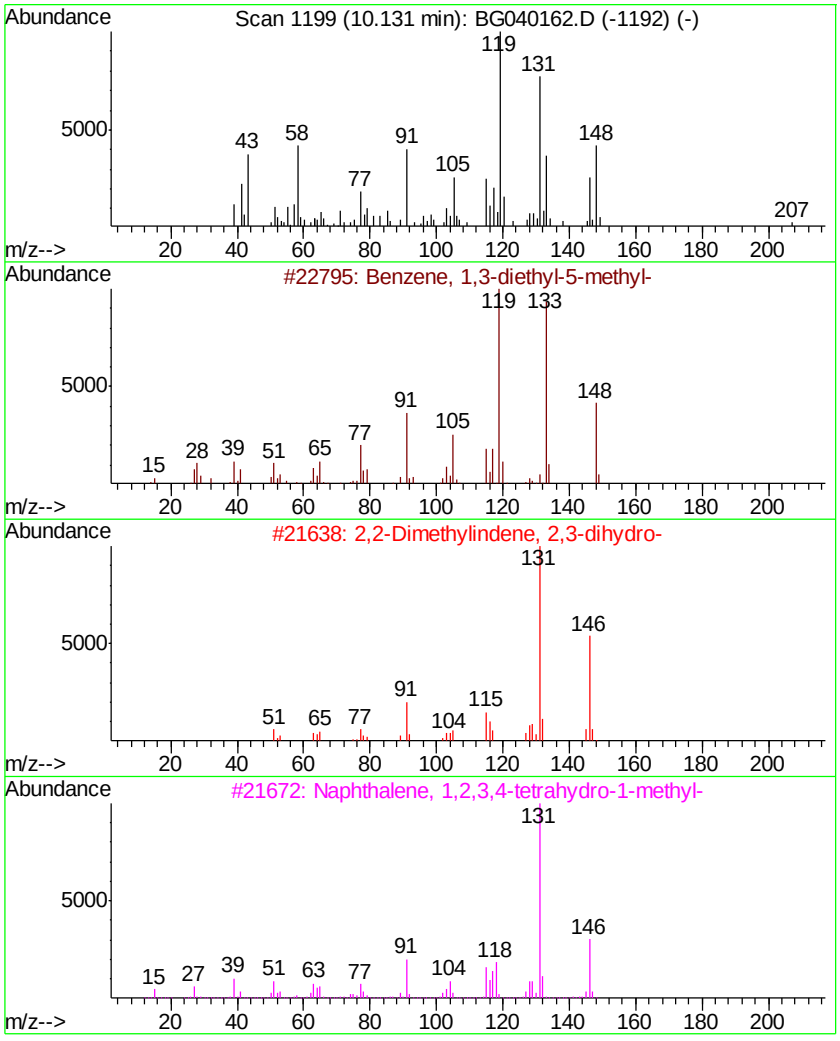
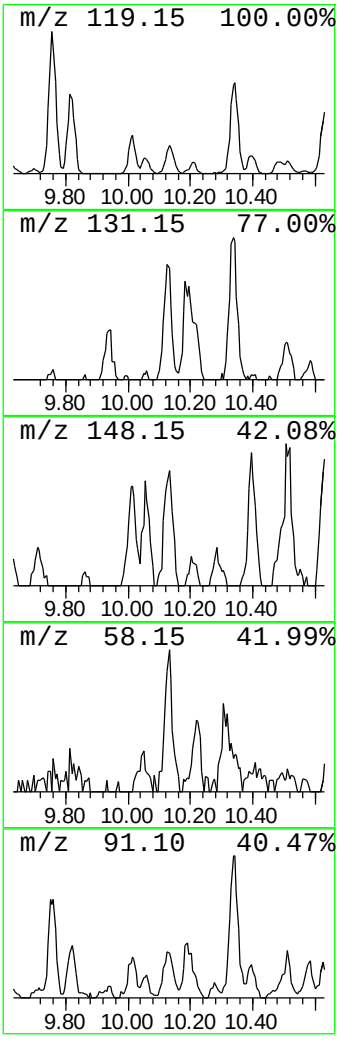
Peak Number 14 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	5.81 ng	87055	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	70
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	49
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	38
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	38
5	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	38





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Sample : K2099-09
Misc :
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Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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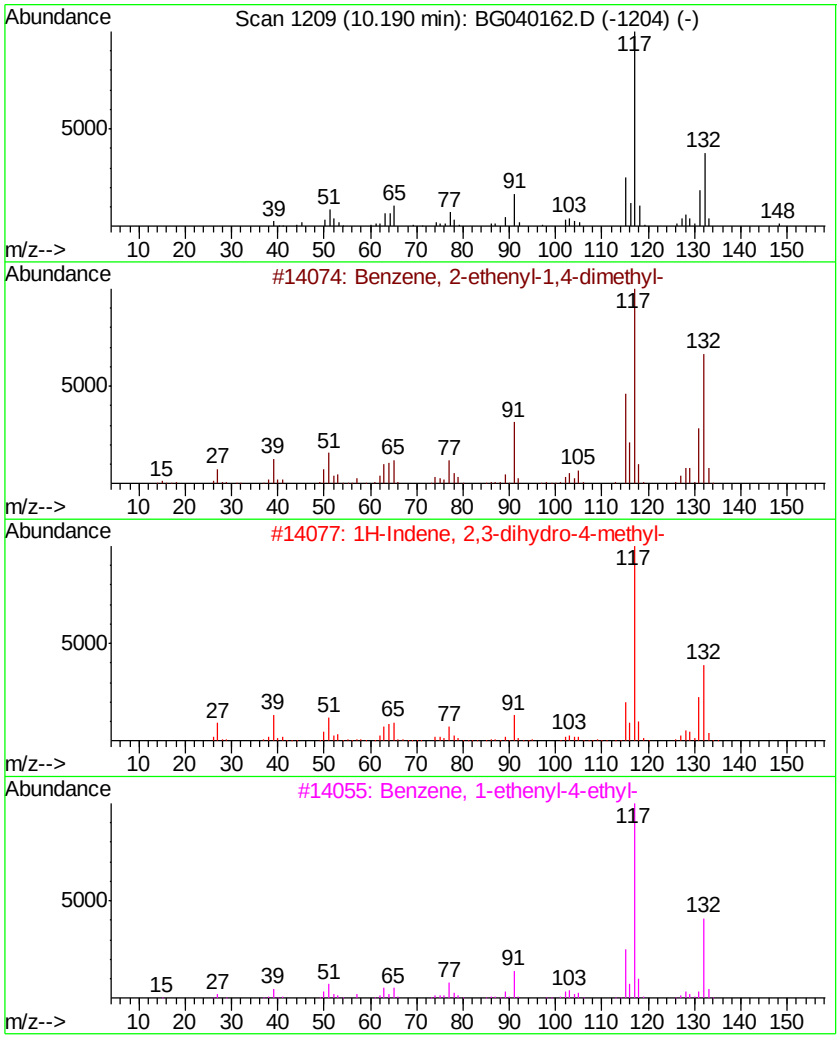
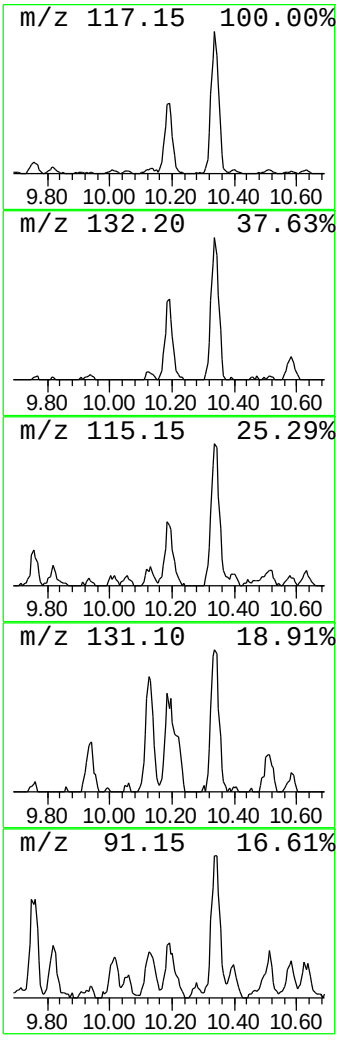
Peak Number 15 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.19	7.41 ng	110939	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91





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Sample : K2099-09
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ClientSampleId : MH-C05-SETTLED-2H-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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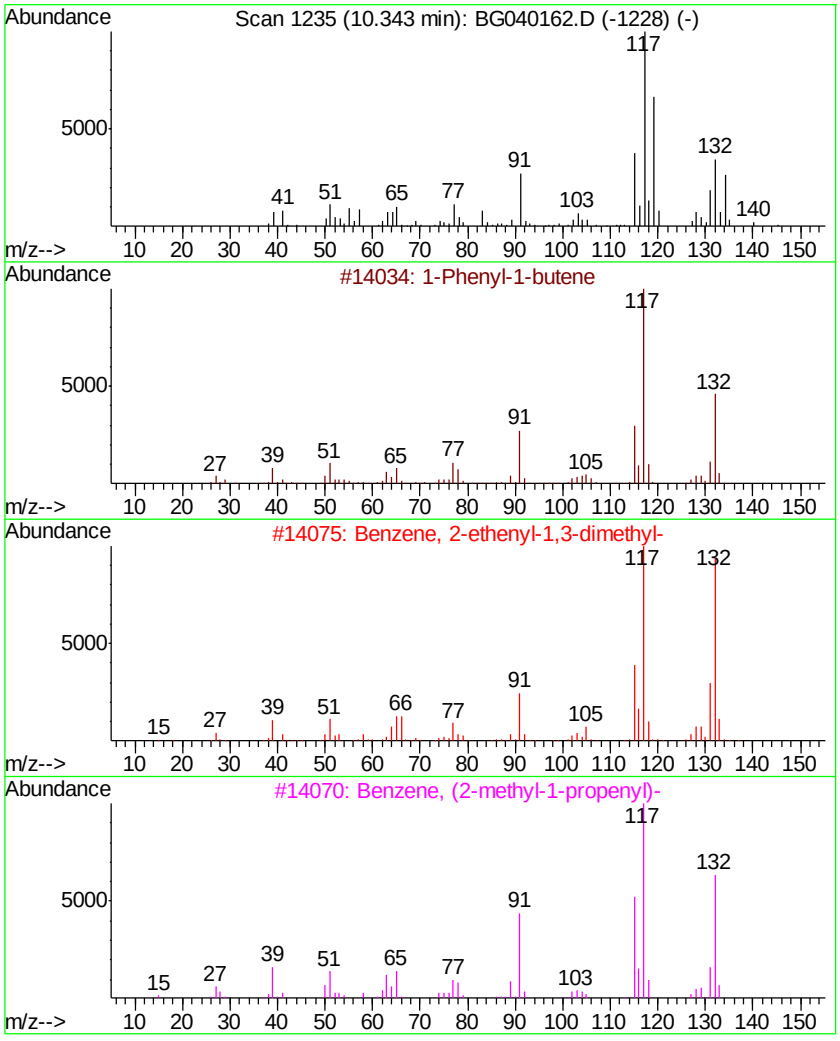
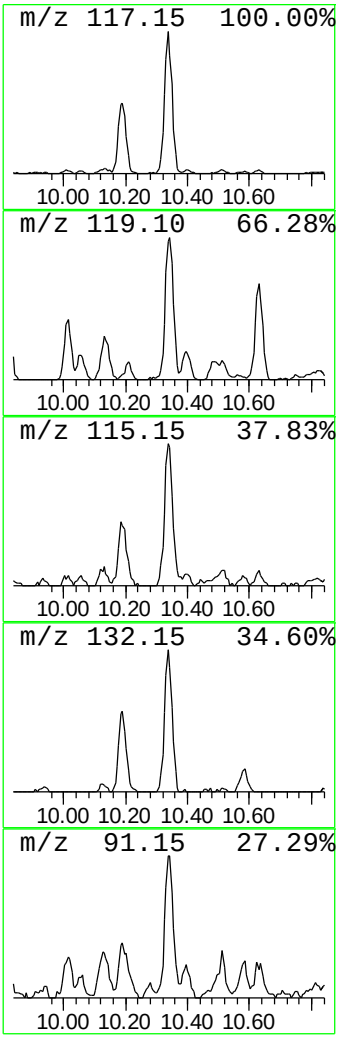
Peak Number 16 1-Phenyl-1-butene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.34	17.78 ng	266351	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	96
2	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	92
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	90





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ClientSampleId : MH-C05-SETTLED-2H-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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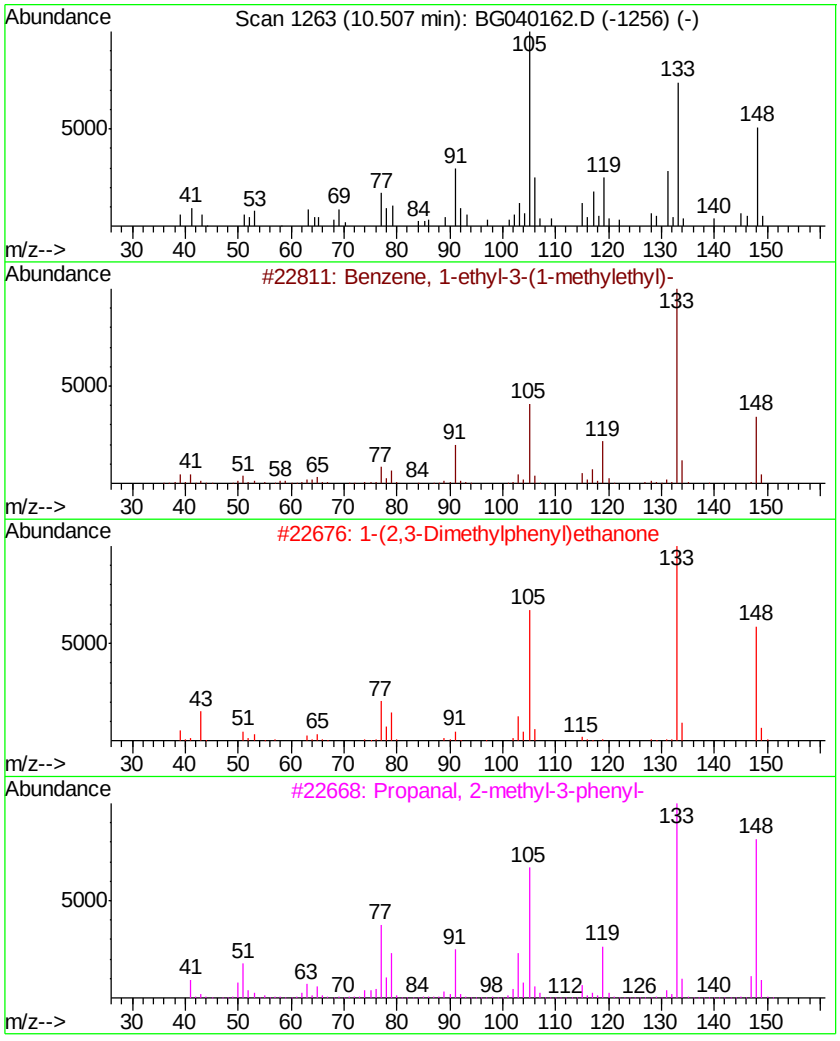
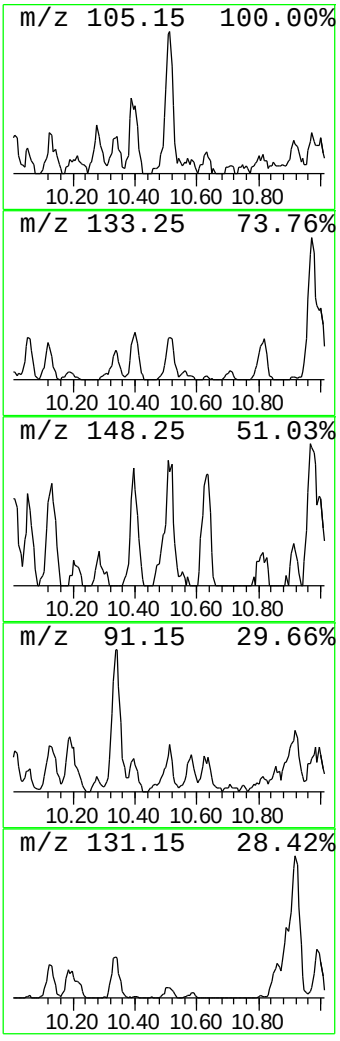
Peak Number 17 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	4.38 ng	65640	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	81
2	1-(2,3-Dimethylphenyl)ethanone	148	C10H12O	002142-71-4	49
3	Propanal, 2-methyl-3-phenyl-	148	C10H12O	1000131-87-6	46
4	N-Amino-1,2,3,4-tetrahydroquinoline	148	C9H12N2	1000305-92-6	41
5	Estragole	148	C10H12O	000140-67-0	30





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Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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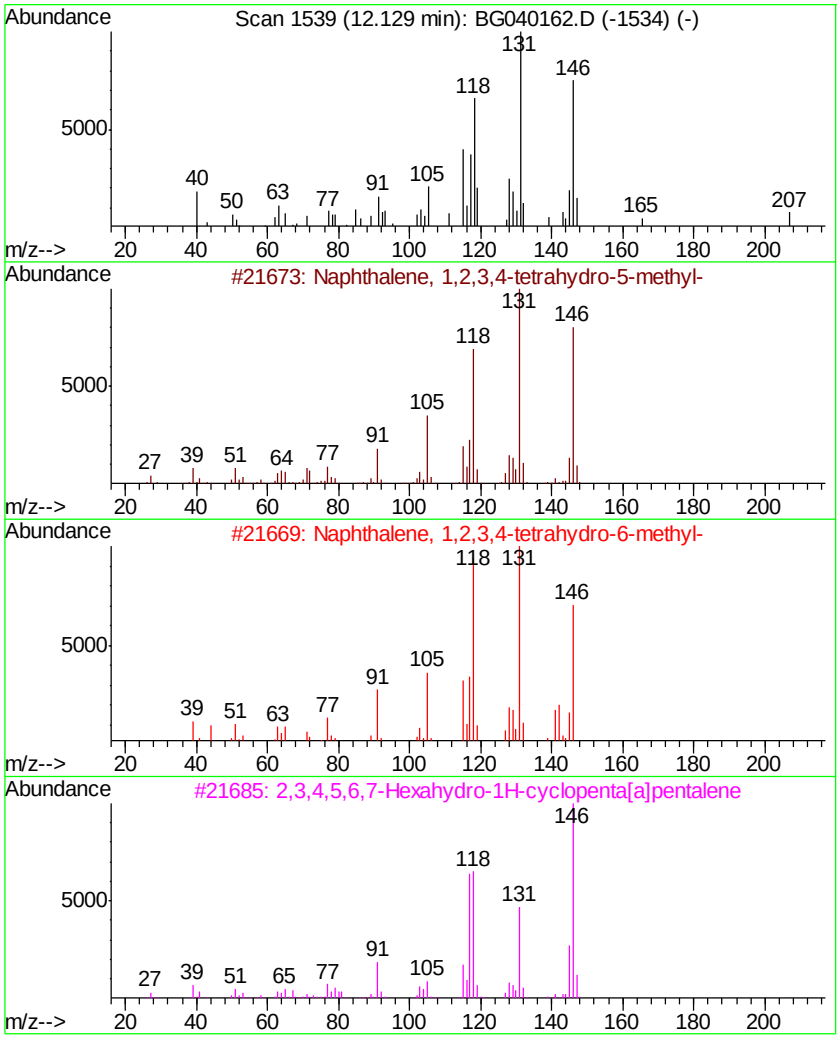
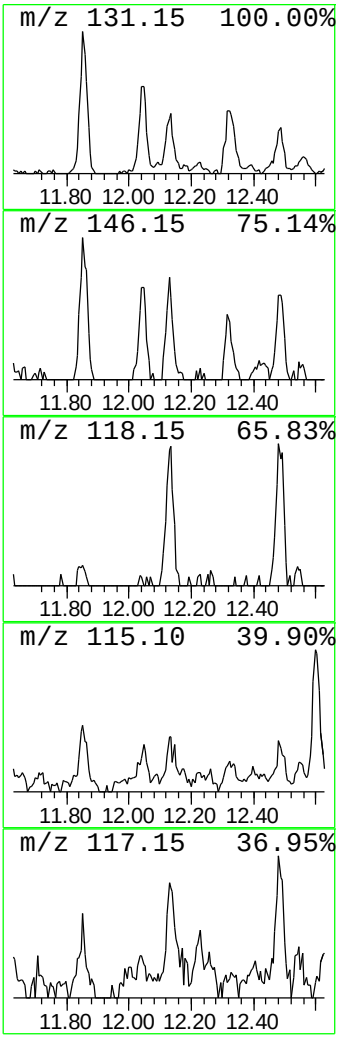
Peak Number 18 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	5.33 ng	79848	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	87
3	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	83
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	53





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Data File : BG040162.D
Acq On : 27 Mar 2019 00:59
Operator : JU/SJ
Sample : K2099-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

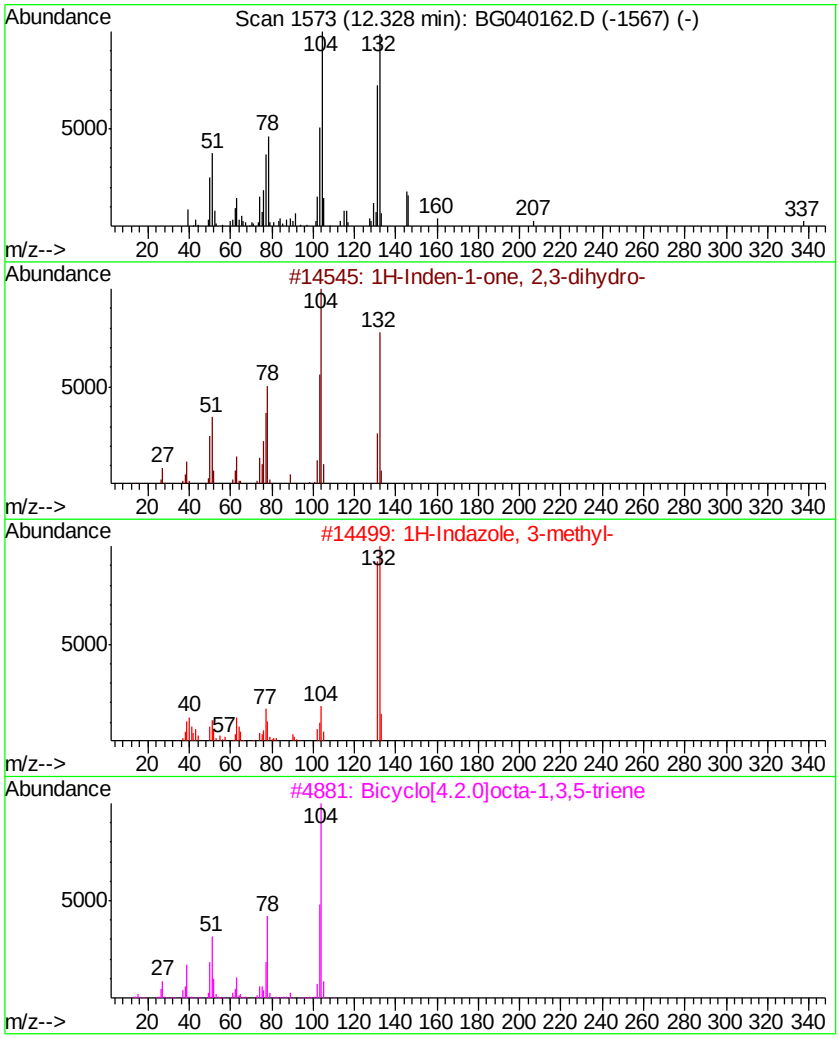
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

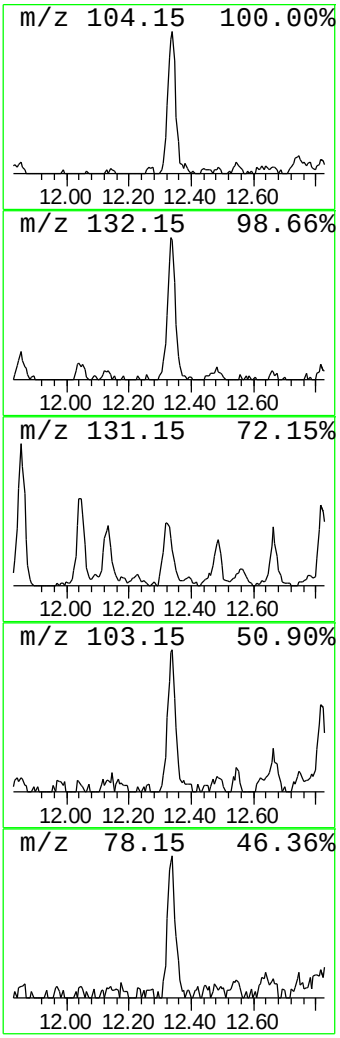
****

Peak Number 19 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	7.07 ng	105883	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	95
2	1H-Indazole, 3-methyl-	132	C8H8N2	1000316-00-2	50
3	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	46
4	Styrene	104	C8H8	000100-42-5	41
5	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
Data File : BG040162.D
Acq On : 27 Mar 2019 00:59
Operator : JU/SJ
Sample : K2099-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

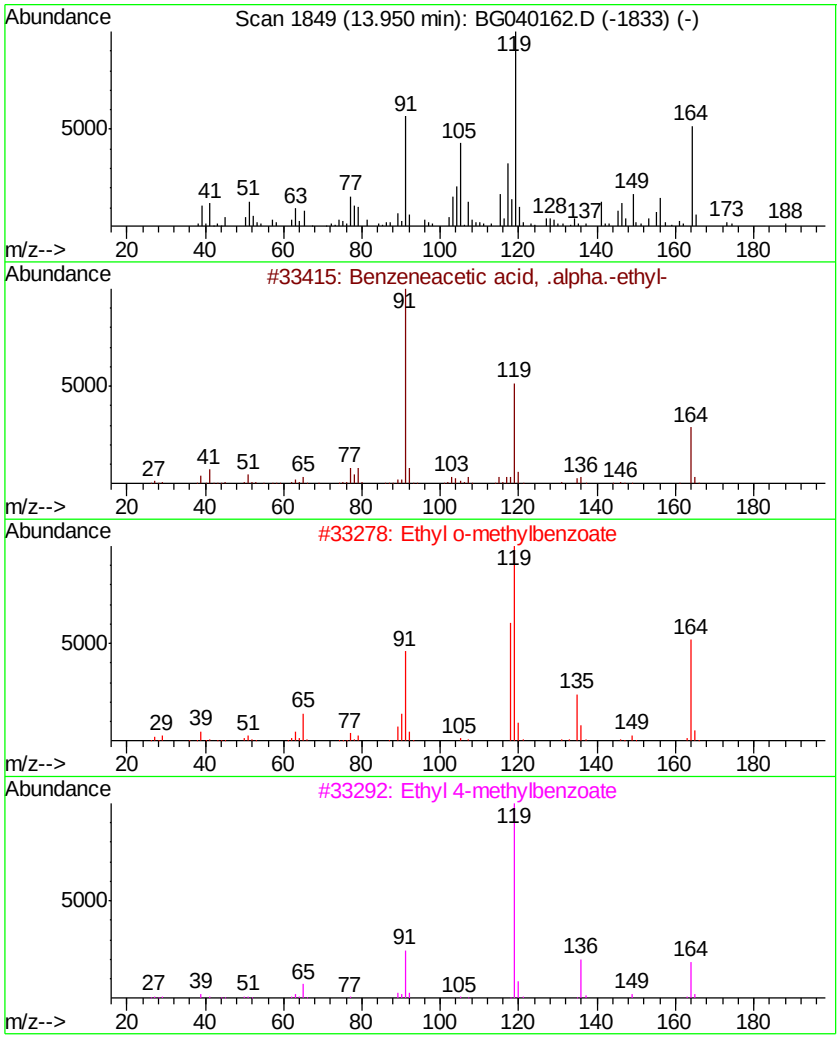
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

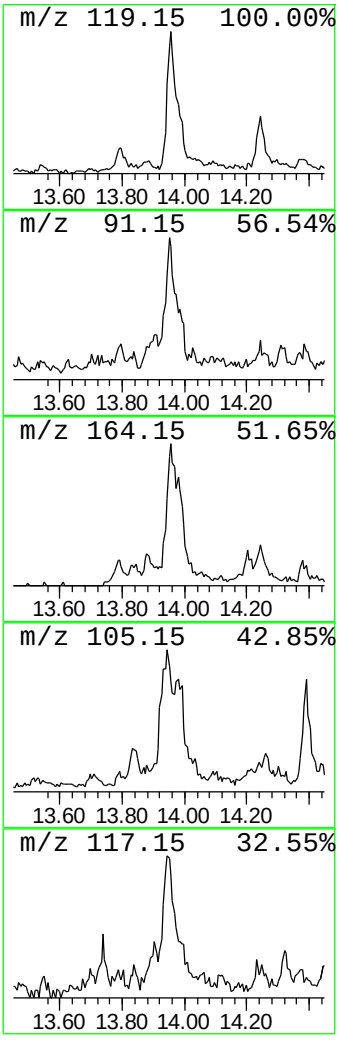
****

Peak Number 20 Benzeneacetic acid, .alpha.... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	8.91 ng	234783	Acenaphthene-d10	14.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid, .alpha.-ethyl-	164	C10H12O2	000090-27-7	50
2	Ethyl o-methylbenzoate	164	C10H12O2	000087-24-1	49
3	Ethyl 4-methylbenzoate	164	C10H12O2	000094-08-6	49
4	Ethyl m-methylbenzoate	164	C10H12O2	000120-33-2	49
5	3-Benzofurancarboxylic acid, 2,3...	164	C9H8O3	039891-55-9	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032619\
Data File : BG040162.D
Acq On : 27 Mar 2019 00:59
Operator : JU/SJ
Sample : K2099-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C05-SETTLED-2H-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.27	65.1	ng	848123	1	8.14	260732	20.0
2-Pentanone, 4-hy...	5.23	4.4	ng	56873	1	8.14	260732	20.0
Benzene, 1-ethyl-...	7.51	7.4	ng	96483	1	8.14	260732	20.0
unknown7.67	7.67	63.0	ng	821638	1	8.14	260732	20.0
Indane	8.51	8.5	ng	111256	1	8.14	260732	20.0
Benzene, 1,3-diet...	8.61	7.2	ng	93273	1	8.14	260732	20.0
Benzene, 1,2-diet...	8.76	7.5	ng	98195	1	8.14	260732	20.0
Benzene, 1-ethyl-...	9.23	21.0	ng	273455	1	8.14	260732	20.0
unknown9.47	9.47	5.1	ng	66734	1	8.14	260732	20.0
Benzene, 1-ethyl-...	9.76	9.1	ng	135860	2	10.96	299591	20.0
Benzene, 1,2,3,4-...	9.82	5.3	ng	79606	2	10.96	299591	20.0
Benzene, 1,3-diet...	10.13	5.8	ng	87055	2	10.96	299591	20.0
Benzene, 2-etheny...	10.19	7.4	ng	110939	2	10.96	299591	20.0
1-Phenyl-1-butene	10.34	17.8	ng	266351	2	10.96	299591	20.0
Benzene, 1-ethyl-...	10.51	4.4	ng	65640	2	10.96	299591	20.0
Naphthalene, 1,2,...	12.13	5.3	ng	79848	2	10.96	299591	20.0
1H-Inden-1-one, 2...	12.33	7.1	ng	105883	2	10.96	299591	20.0
Benzeneacetic aci...	13.95	8.9	ng	234783	3	14.76	527155	20.0