LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106517.D
Acq On : 16 Jun 2018 3:25
Operator : JU/SJ
Sample : J3449-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-50

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_F\METHODS\8270-BF061118.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	2.431	12	16	24	rVB3	42286	96260	3.04%	0.201%
2	2.696	50	61	72	rBV3	154465	475872	15.05%	0.996%
3	2.790	72	77	82	rVB	36672	55611	1.76%	0.116%
4	2.866	83	90	93	rBV	30094	56765	1.80%	0.119%
5	2.931	93	101	108	rVB2	105837	276541	8.75%	0.579%
6	3.172	133	142	146	rBV5	20642	48191	1.52%	0.101%
7	3.225	146	151	159	rVB3	33645	70271	2.22%	0.147%
8	3.566	202	209	211	rBV4	30728	55460	1.75%	0.116%
9	3.602	211	215	219	rVB3	36358	58009	1.83%	0.121%
10	3.754	232	241	244	rBV3	21849	51659	1.63%	0.108%
11	3.807	244	250	256	rVB	239434	358203	11.33%	0.750%
12	3.878	256	262	269	rBV2	91386	157510	4.98%	0.330%
13	4.002	278	283	288	rBV2	35893	49266	1.56%	0.103%
14	4.096	295	299	304	rBV	224509	278439	8.81%	0.583%
15	4.154	304	309	319	rVB	151747	194763	6.16%	0.408%
16	4.278	325	330	336	rBV4	19797	32776	1.04%	0.069%
17	4.554	372	377	381	rVB2	43765	57740	1.83%	0.121%
18	4.748	404	410	415	rBV	208493	240292	7.60%	0.503%
19	4.896	432	435	443	rBV2	23631	36053	1.14%	0.075%
20	4.990	447	451	454	rBV	72843	80039	2.53%	0.167%
21	5.019	454	456	459	rVB	58788	51086	1.62%	0.107%
22	5.060	459	463	467	rBV	62038	59989	1.90%	0.126%
23	5.119	467	473	476	rBV4	32303	53840	1.70%	0.113%
24	5.196	482	486	489	rBV	143809	151454	4.79%	0.317%
25	5.260	493	497	502	rVB2	78598	104935	3.32%	0.220%
26	5.319	502	507	511	rBV	94821	99078	3.13%	0.207%
27	5.413	517	523	528	rBV5	26265	35644	1.13%	0.075%
28	5.460	528	531	538	rVB	114796	101768	3.22%	0.213%
29	5.584	544	552	554	rBV	671311	827614	26.18%	1.732%
30	5.613	554	557	563	rVB	1310211	1342587	42.46%	2.809%
31	5.766	579	583	589	rVB3	35260	37983	1.20%	0.079%
32	5.819	589	592	595	rBV	102080	89137	2.82%	0.187%
33	5.848	595	597	602	rBV3	37601	41452	1.31%	0.087%
34	6.137	643	646	650	rBV	372439	305289	9.66%	0.639%

LSC Area Percent Report

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Acq On : 16 Jun 2018 3:25
Operator : JU/SJ
Sample : J3449-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-50

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_F\METHODS\8270-BF061118.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.325	675	678	681	rVB2	52445	48262	1.53%	0.101%
36	6.425	692	695	699	rBV	1008657	826620	26.14%	1.730%
37	6.484	701	705	708	rBV2	77956	86722	2.74%	0.181%
38	6.519	708	711	715	rVV	936553	829438	26.23%	1.736%
39	6.566	715	719	722	rVB2	105976	103909	3.29%	0.217%
40	6.607	722	726	730	rBV2	1034763	931077	29.45%	1.948%
41	6.648	730	733	737	rVB	781752	634034	20.05%	1.327%
42	6.742	745	749	753	rBV	2354652	2180188	68.95%	4.562%
43	6.790	754	757	760	rVB	180255	148249	4.69%	0.310%
44	6.901	771	776	777	rBV	180159	168433	5.33%	0.352%
45	6.919	777	779	783	rVB	212755	173764	5.50%	0.364%
46	6.966	783	787	790	rBV	807951	638432	20.19%	1.336%
47	7.019	793	796	802	rVB	283619	248872	7.87%	0.521%
48	7.090	805	808	810	rBV	494530	408190	12.91%	0.854%
49	7.125	810	814	816	rVV	2377137	2208658	69.85%	4.621%
50	7.142	816	817	820	rVB	801612	626691	19.82%	1.311%
51	7.207	824	828	831	rBV	1670623	1372946	43.42%	2.873%
52	7.278	837	840	842	rBV	898665	750798	23.75%	1.571%
53	7.301	842	844	847	rVB	427937	308049	9.74%	0.645%
54	7.354	849	853	856	rVB	720540	567554	17.95%	1.188%
55	7.425	861	865	871	rVB2	300100	325197	10.29%	0.680%
56	7.501	873	878	880	rVV	2827768	2938245	92.93%	6.148%
57	7.537	880	884	887	rVV2	2882065	3101688	98.10%	6.490%
58	7.601	890	895	899	rVV2	66872	81048	2.56%	0.170%
59	7.648	899	903	908	rVB3	100015	113318	3.58%	0.237%
60	7.731	913	917	919	rVV	2268859	1879638	59.45%	3.933%
61	7.754	919	921	924	rVB2	166874	129317	4.09%	0.271%
62	7.807	924	930	932	rBV	74248	64949	2.05%	0.136%
63	7.842	934	936	941	rVB2	48391	43741	1.38%	0.092%
64	7.895	941	945	946	rBV	94572	102082	3.23%	0.214%
65	7.919	946	949	954	rVB	1903203	1649493	52.17%	3.451%
66	7.984	956	960	964	rBV	3350312	3161846	100.00%	6.616%
67	8.031	966	968	970	rBV2	38078	36711	1.16%	0.077%
68	8.054	970	972	975	rVB	59597	47835	1.51%	0.100%
69	8.084	975	977	980	rBV	193343	145586	4.60%	0.305%
70	8.178	990	993	996	rBV2	63270	62283	1.97%	0.130%
71	8.248	996	1005	1007	rVV2	929837	1440713	45.57%	3.015%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106517.D
Acq On : 16 Jun 2018 3:25
Operator : JU/SJ
Sample : J3449-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-50

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_F\METHODS\8270-BF061118.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	8.266	1007	1008	1010	rVV	803348	621625	19.66%	1.301%
73	8.289	1010	1012	1015	rVV	411178	319060	10.09%	0.668%
74	8.325	1016	1018	1021	rVB2	106631	90083	2.85%	0.188%
75	8.366	1021	1025	1027	rBV3	33438	33438	1.06%	0.070%
76	8.519	1043	1051	1057	rBV2	234429	262495	8.30%	0.549%
77	8.625	1067	1069	1074	rVB	198568	171170	5.41%	0.358%
78	8.672	1074	1077	1080	rBV2	40611	53170	1.68%	0.111%
79	8.713	1080	1084	1088	rVV	183948	219910	6.96%	0.460%
80	8.748	1088	1090	1095	rVV3	94393	137971	4.36%	0.289%
81	8.801	1095	1099	1102	rVV	112030	109770	3.47%	0.230%
82	8.831	1102	1104	1108	rVB	135497	112947	3.57%	0.236%
83	8.913	1113	1118	1121	rBV2	61084	59745	1.89%	0.125%
84	8.960	1123	1126	1129	rBV	689957	528741	16.72%	1.106%
85	9.019	1133	1136	1138	rBV2	77725	69606	2.20%	0.146%
86	9.060	1138	1143	1146	rBV	882215	721935	22.83%	1.511%
87	9.325	1183	1188	1191	rBV	2669381	2619743	82.85%	5.482%
88	9.589	1231	1233	1237	rVB2	35114	32322	1.02%	0.068%
89	9.707	1251	1253	1256	rVB	57207	49197	1.56%	0.103%
90	9.919	1283	1289	1293	rVB2	41980	50111	1.58%	0.105%
91	10.007	1300	1304	1308	rBV	759217	650457	20.57%	1.361%
92	10.419	1371	1374	1377	rVB2	49525	38850	1.23%	0.081%
93	10.801	1434	1439	1442	rBV	1484206	1447213	45.77%	3.028%
94	10.895	1452	1455	1464	rVB	35970	43187	1.37%	0.090%
95	11.495	1554	1557	1561	rBV	743511	636765	20.14%	1.332%
96	13.083	1822	1827	1830	rBV	2942619	2830468	89.52%	5.922%
97	13.966	1973	1977	1986	rBV3	47423	64729	2.05%	0.135%
98	14.142	2004	2007	2011	rBV	760994	695677	22.00%	1.456%
99	15.001	2149	2153	2157	rVB	28341	32523	1.03%	0.068%
100	15.677	2262	2268	2276	rBV	350302	472780	14.95%	0.989%

Sum of corrected areas: 47791840

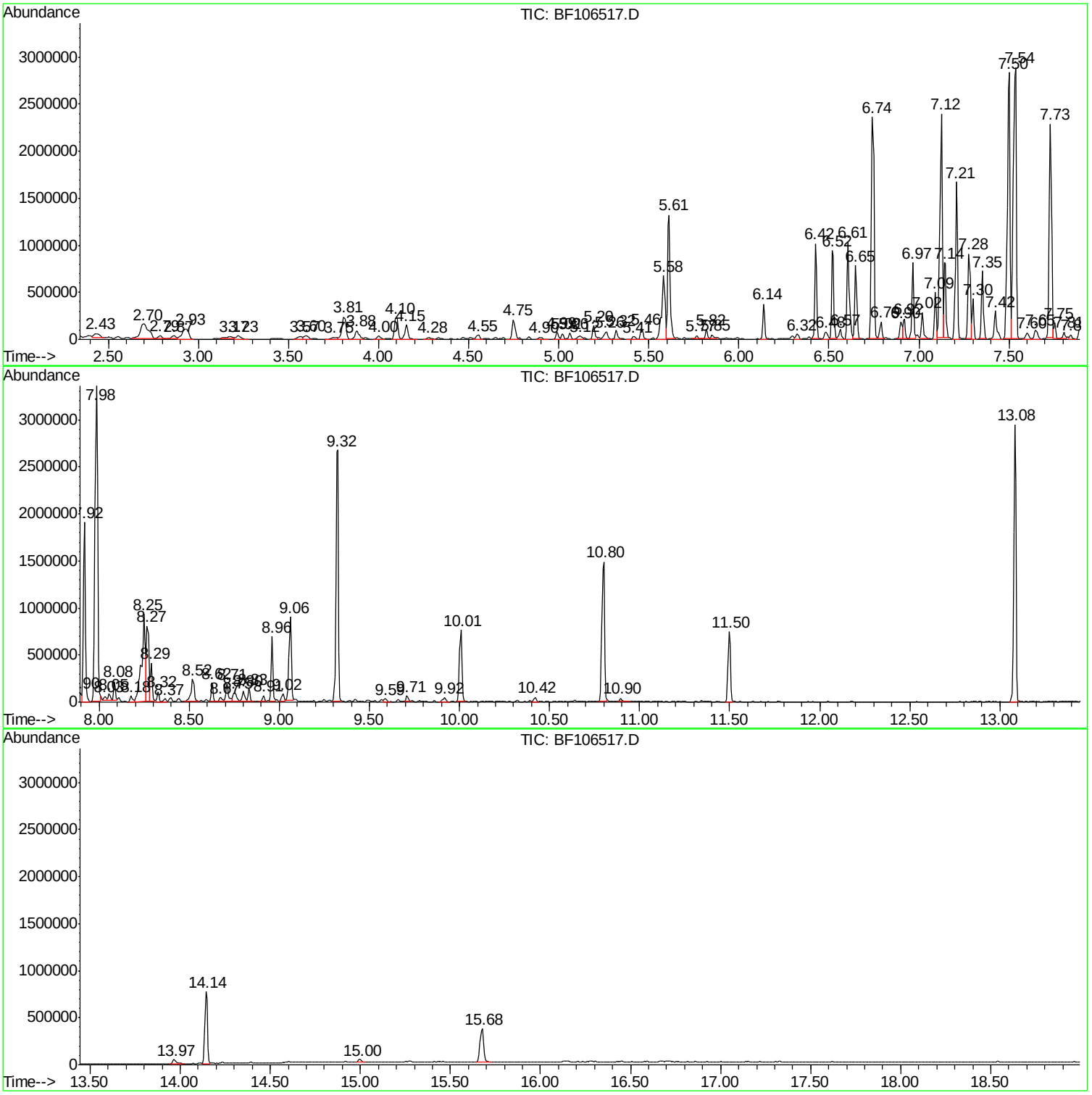
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106517.D
Acq On : 16 Jun 2018 3:25
Operator : JU/SJ
Sample : J3449-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-50

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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 F\DATA\BF061518\
Data File : BF106517.D
Acq On : 16 Jun 2018 3:25
Operator : JU/SJ
Sample : J3449-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-50

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

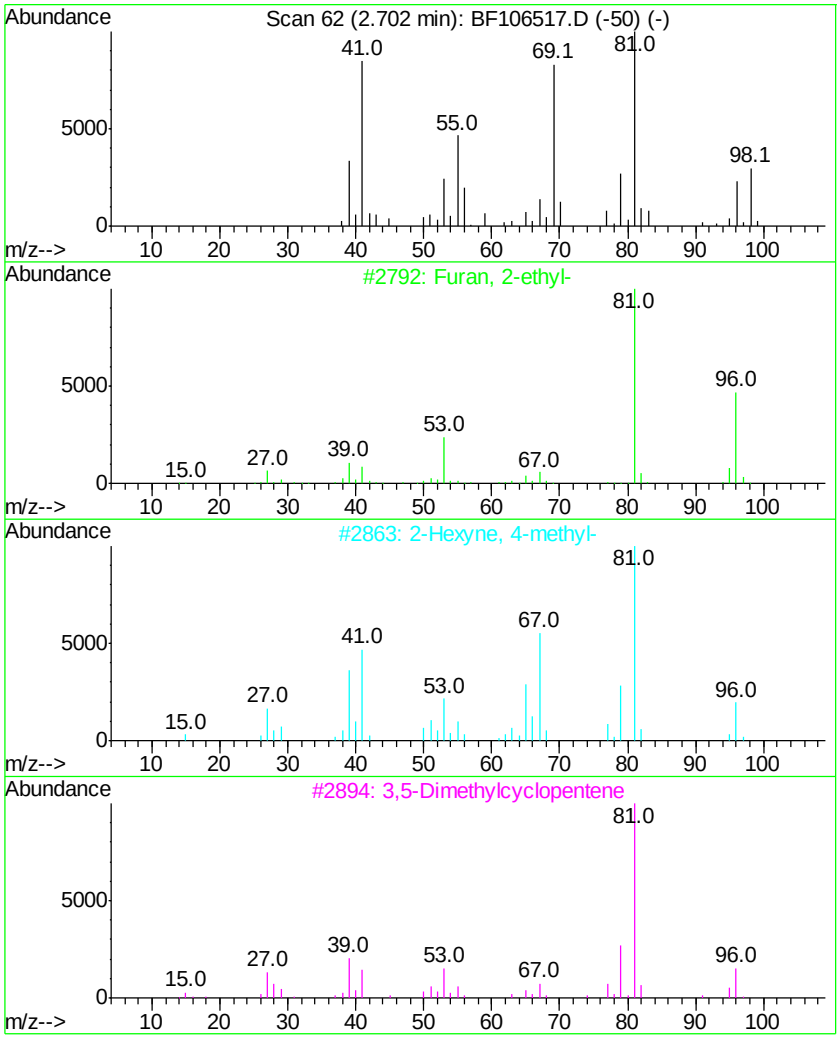
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

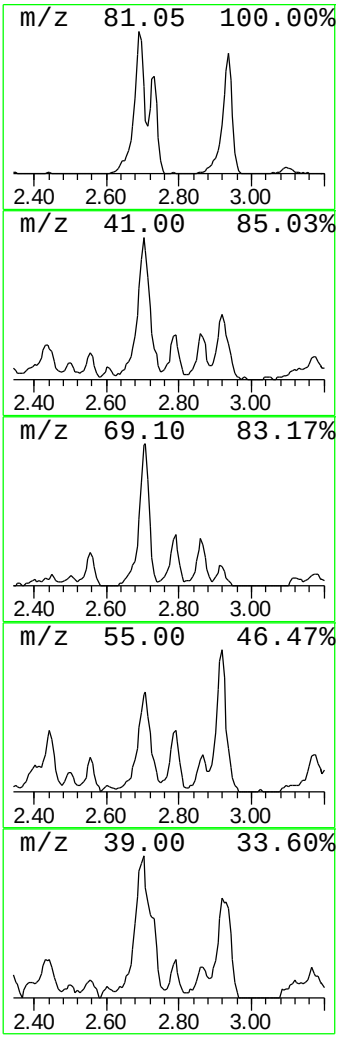
****

Peak Number 1 Furan, 2-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.70	14.91 ng	475872	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2-ethyl-	96	C6H8O	003208-16-0	64
2	2-Hexyne, 4-methyl-	96	C7H12	020198-49-6	64
3	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	64
4	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	59
5	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106517.D
Acq On : 16 Jun 2018 3:25
Operator : JU/SJ
Sample : J3449-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-50

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

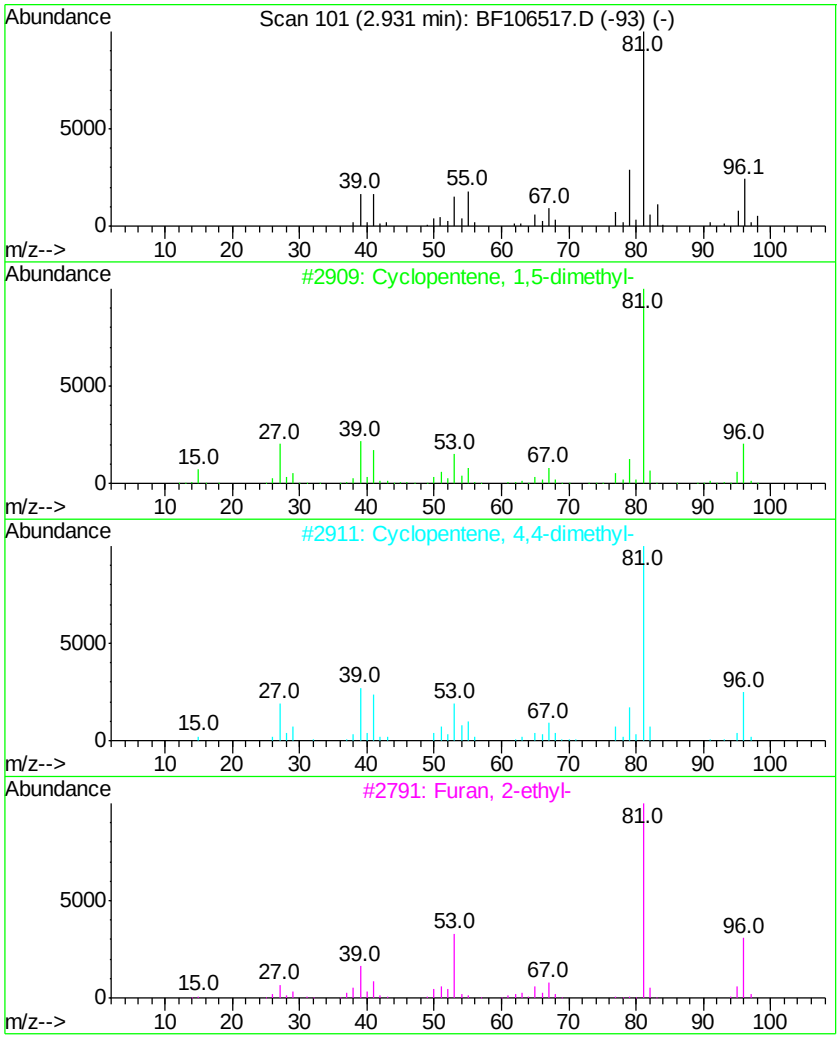
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

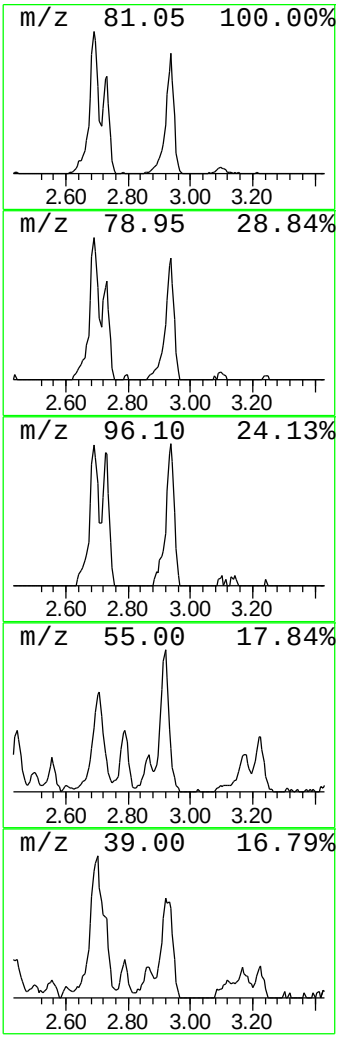
****

Peak Number 2 Cyclopentene, 1,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	8.66 ng	276541	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	87
2	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	81
3	Furan, 2-ethyl-	96	C6H8O	003208-16-0	64
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	64
5	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106517.D
Acq On : 16 Jun 2018 3:25
Operator : JU/SJ
Sample : J3449-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-50

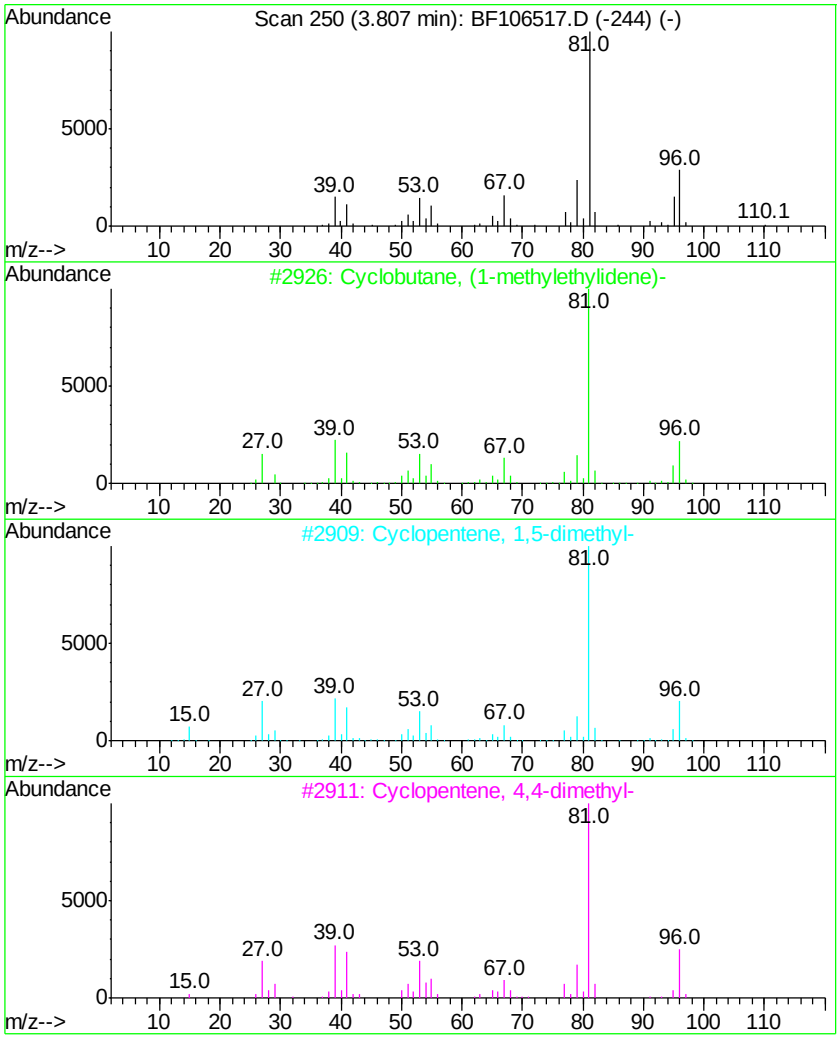
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

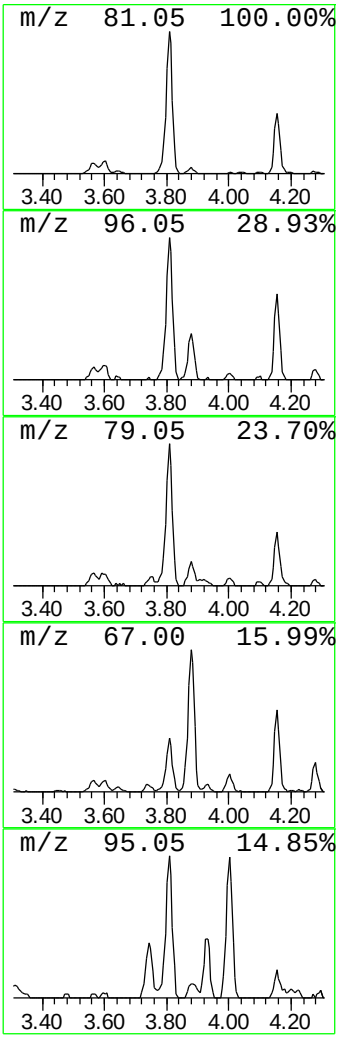
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclobutane, (1-methylethyl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.81	11.22 ng	358203	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	91
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	90
3	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	83
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	80
5	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106517.D
Acq On : 16 Jun 2018 3:25
Operator : JU/SJ
Sample : J3449-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-50

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

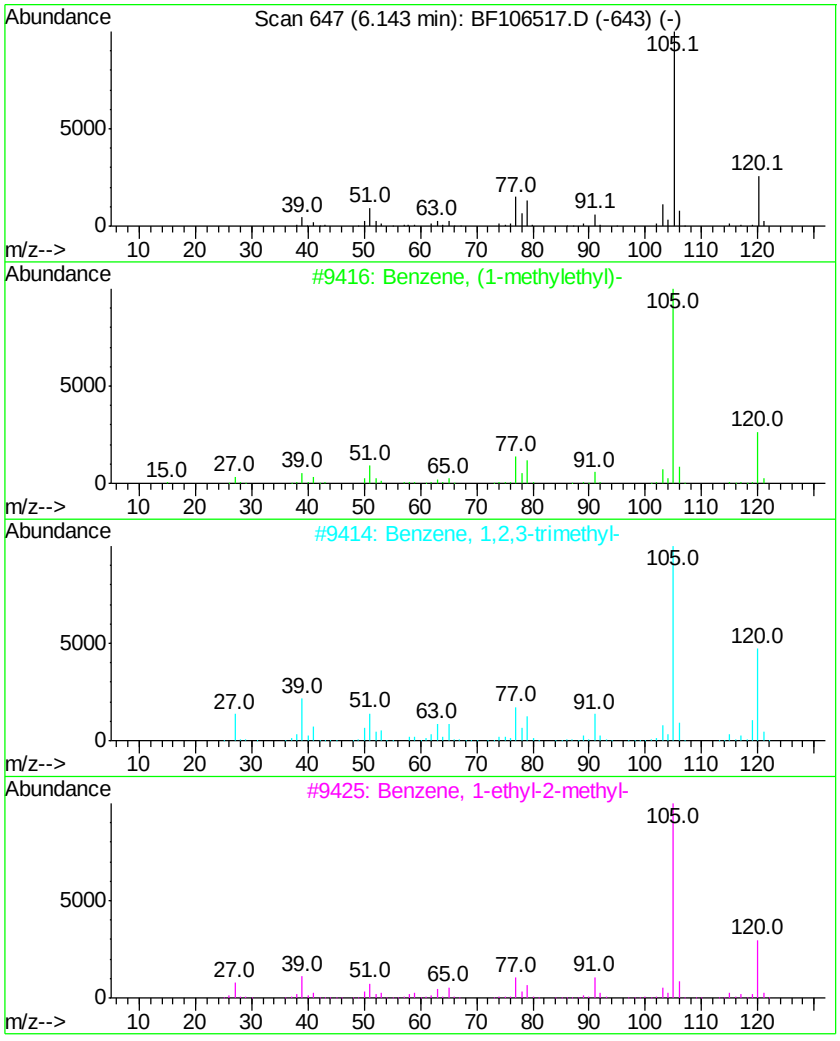
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

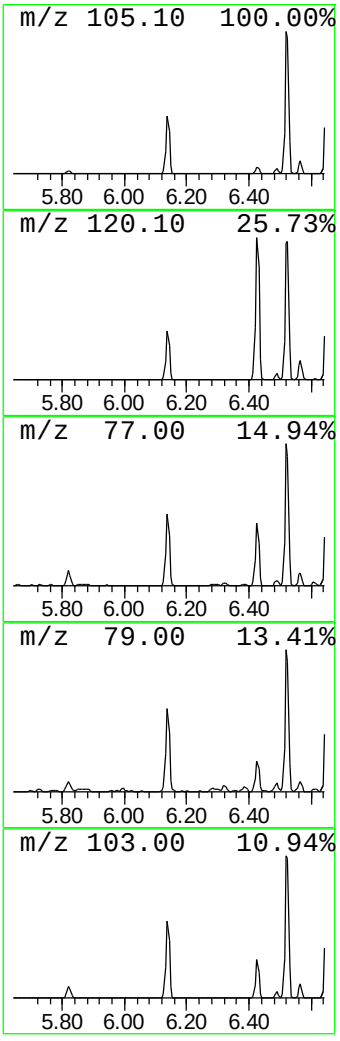
****

Peak Number 5 Benzene, (1-methylethyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.14	9.56 ng	305289	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	80
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	78
5	2,3-Heptadien-5-yne, 2,4-dimethyl-	120	C9H12	041898-89-9	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106517.D
Acq On : 16 Jun 2018 3:25
Operator : JU/SJ
Sample : J3449-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-50

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

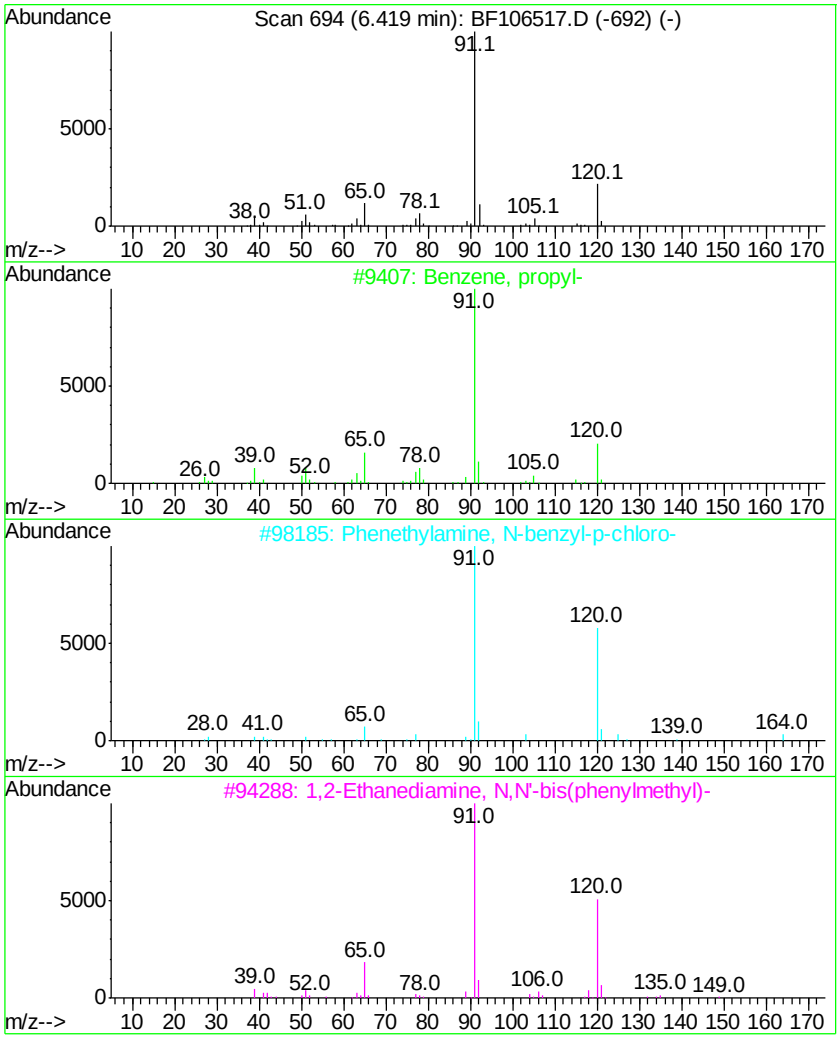
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

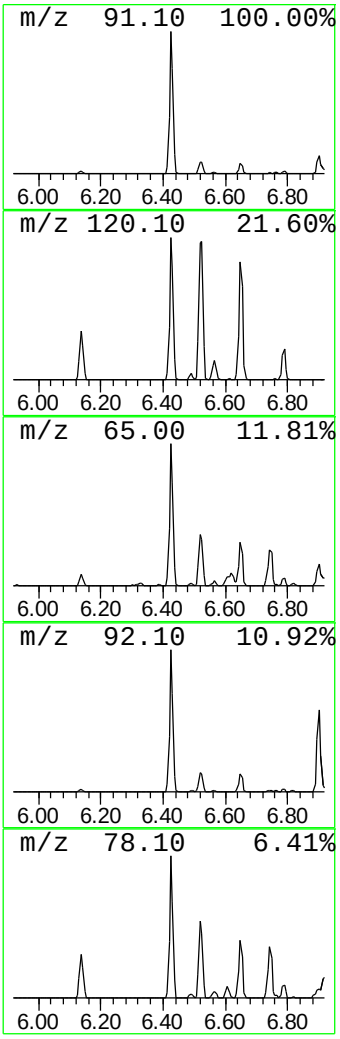
****

Peak Number 6 Benzene, propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	25.90 ng	826620	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	91
2	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
3	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64
5	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	64





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Acq On : 16 Jun 2018 3:25
Operator : JU/SJ
Sample : J3449-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-50

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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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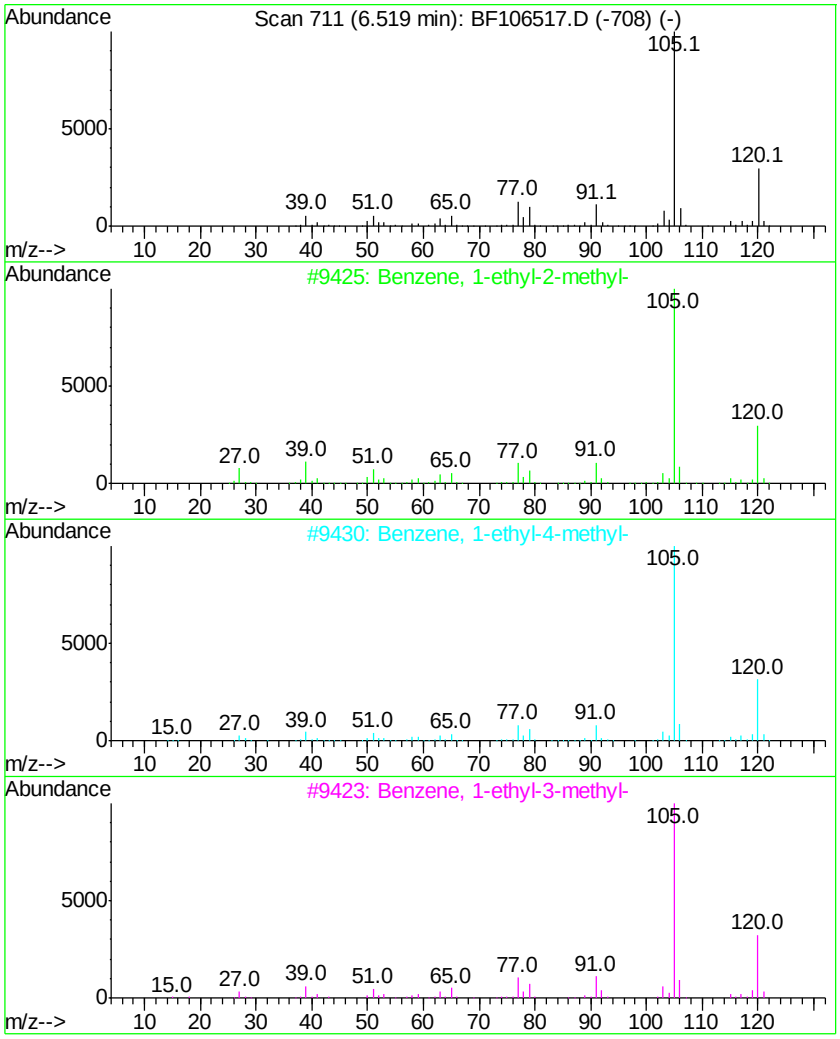
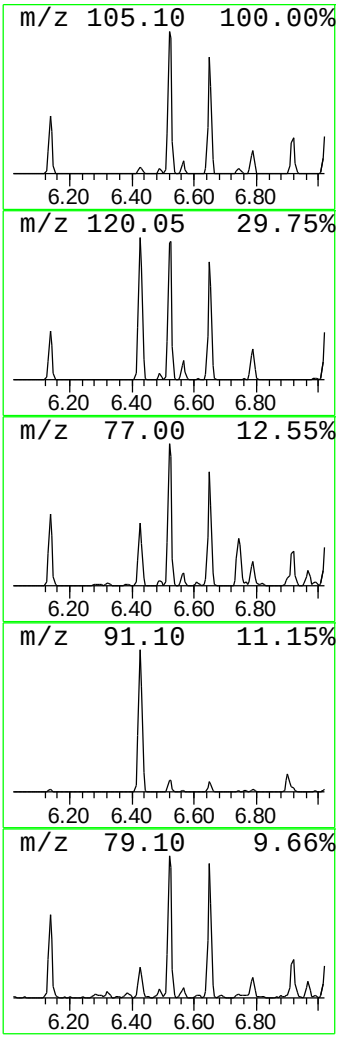
Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	25.98 ng	829438	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





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Operator : JU/SJ
Sample : J3449-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-50

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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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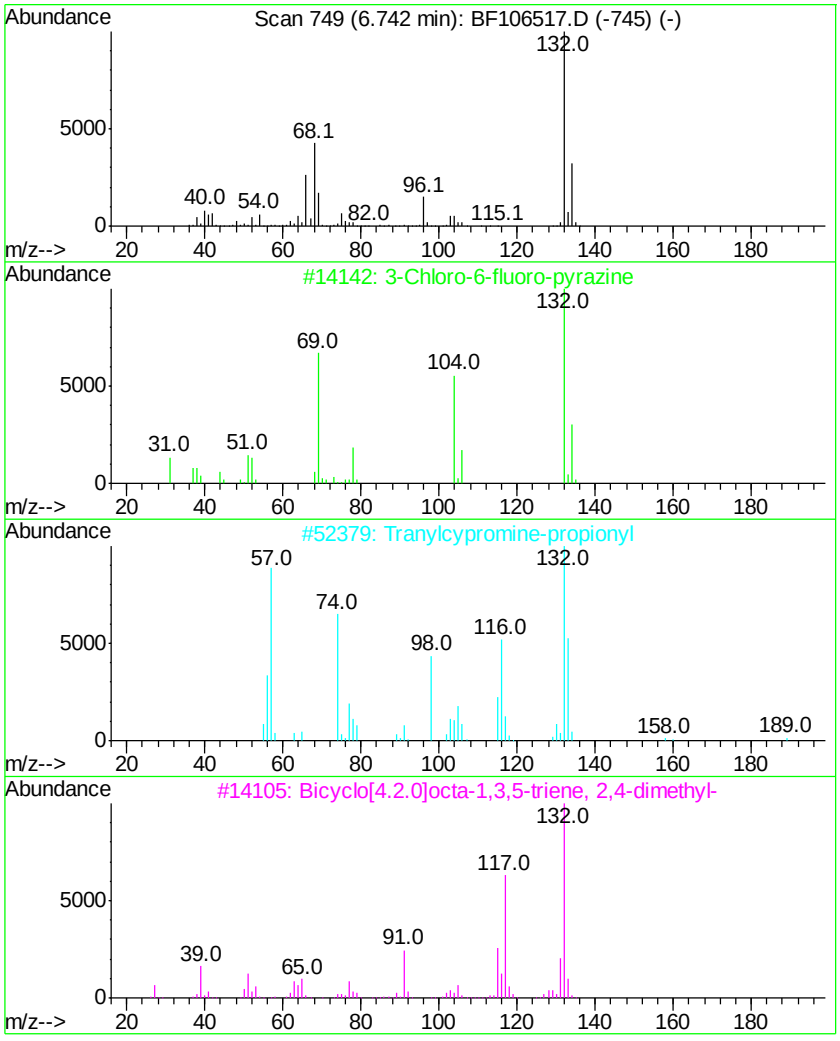
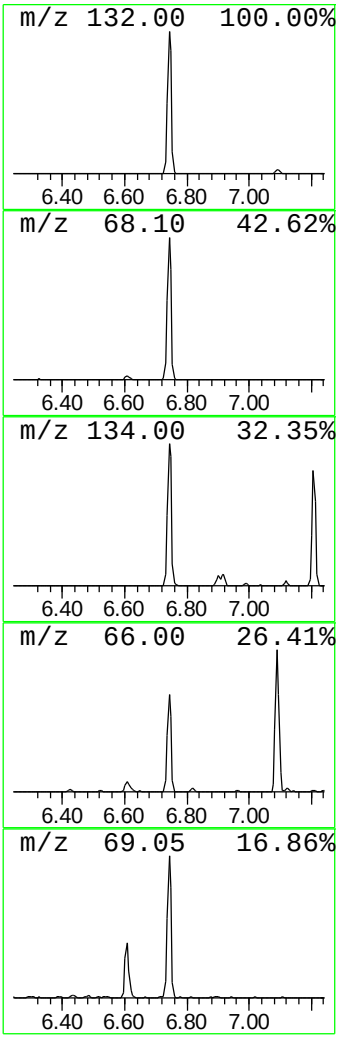
Peak Number 8 unknown6.74 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	68.30 ng	2180190	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





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Sample : J3449-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-50

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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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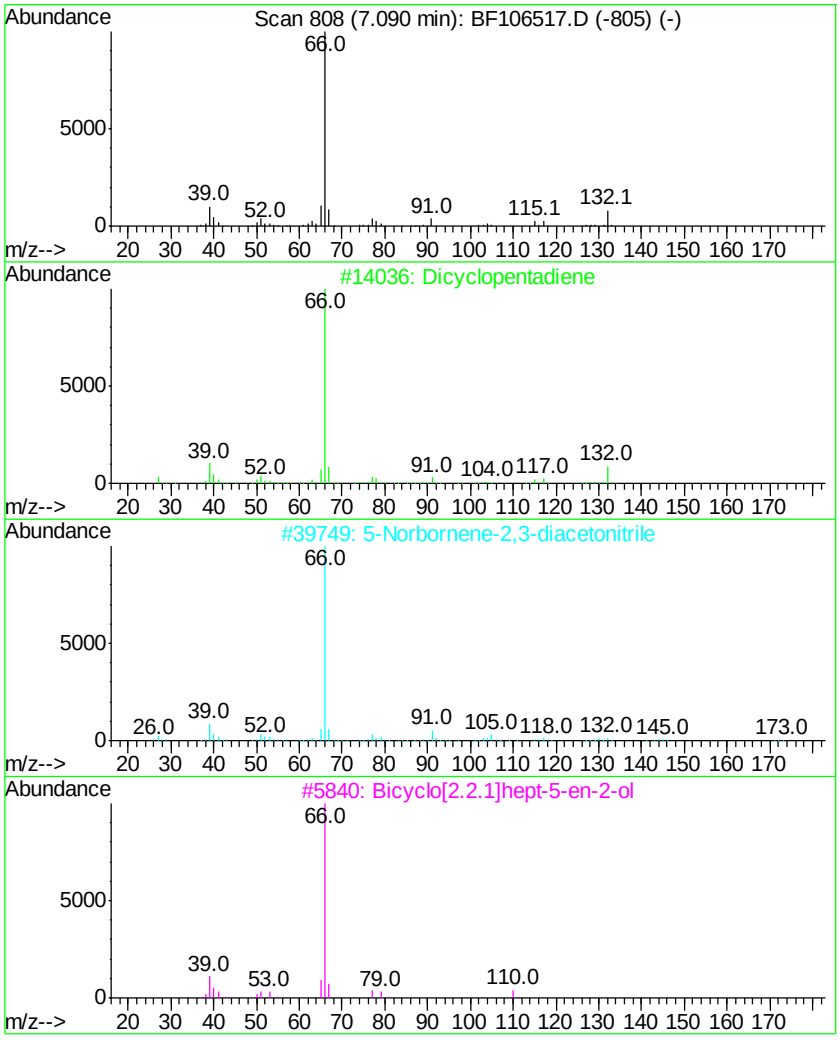
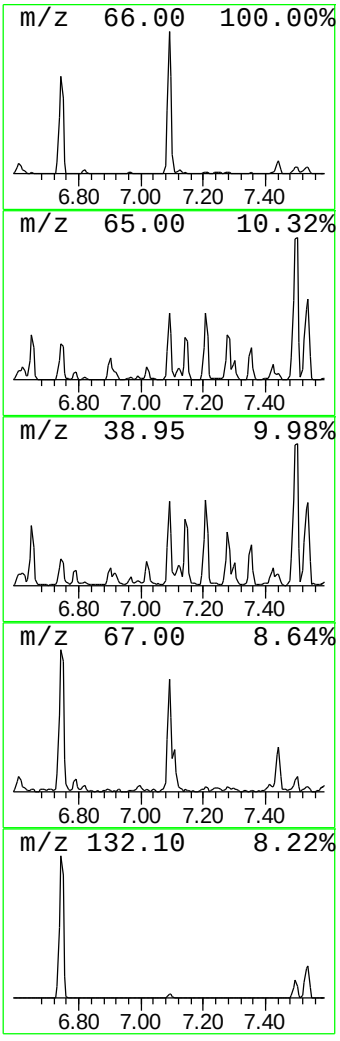
Peak Number 9 Dicyclopentadiene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	12.79 ng	408190	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dicyclopentadiene	132	C10H12	000077-73-6	91
2	5-Norbornene-2,3-diacetonitrile	172	C11H12N2	101832-55-7	83
3	Bicyclo[2.2.1]hept-5-en-2-ol	110	C7H10O	013080-90-5	83
4	1,3,4-Metheno-1H-cyclobuta[cd]pe...	132	C10H12	006707-88-6	83
5	Cyclobuta[1,2:3,4]dicyclopentene...	132	C10H12	000612-09-9	78





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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-50

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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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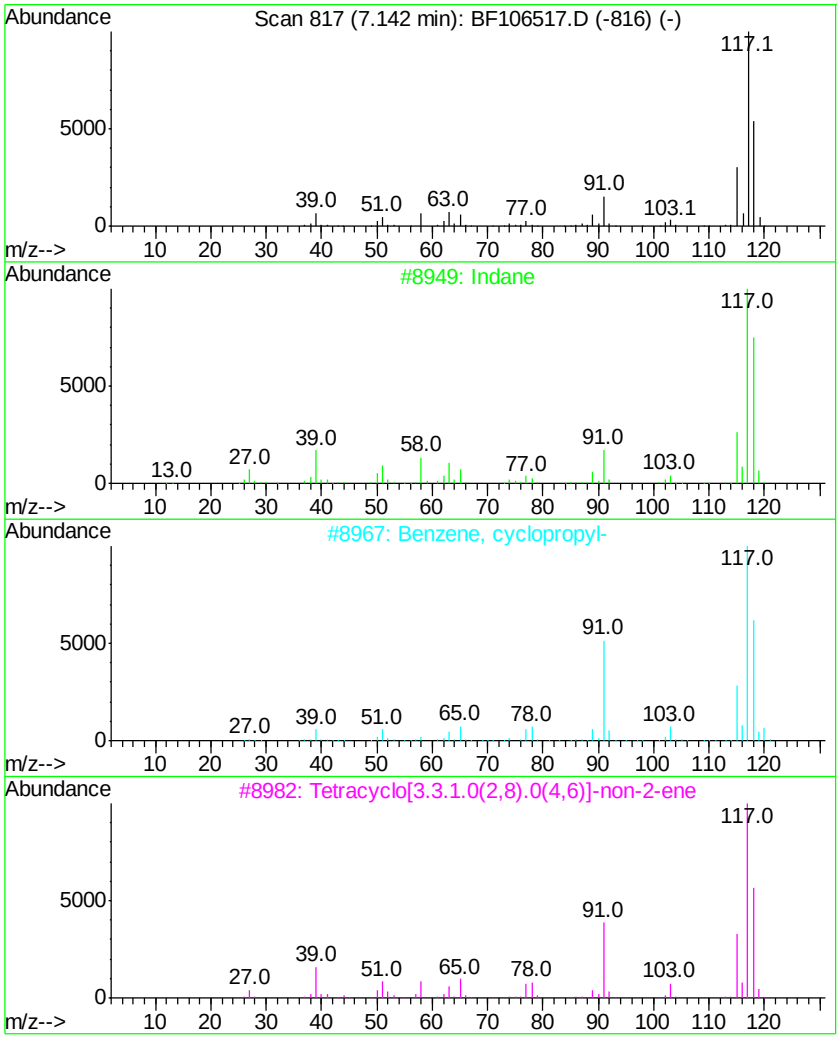
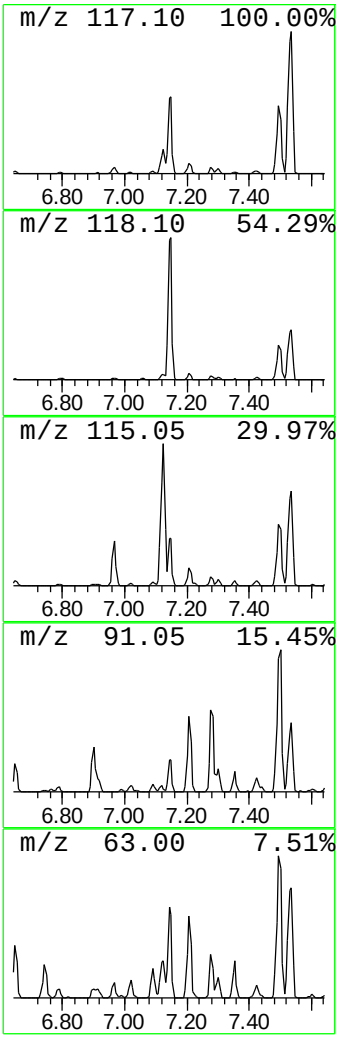
Peak Number 11 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	19.63 ng	626691	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	90
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	72
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59





Library Search Compound Report

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ClientSampleId : W-50

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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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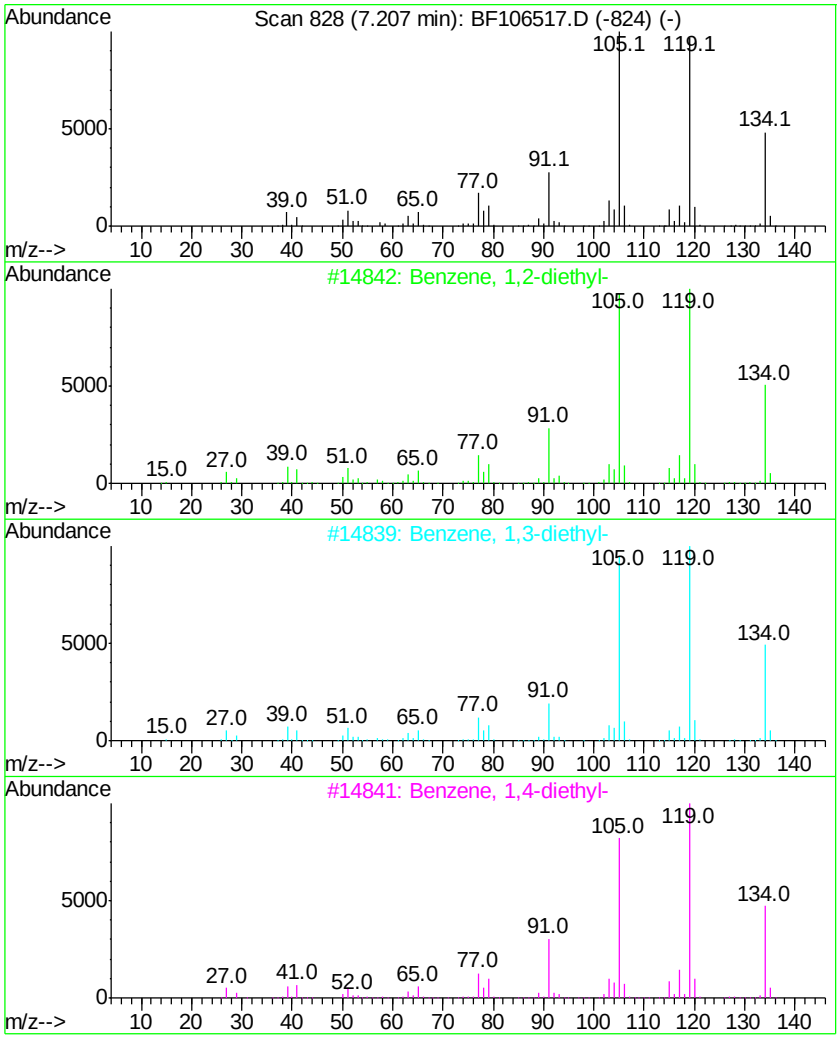
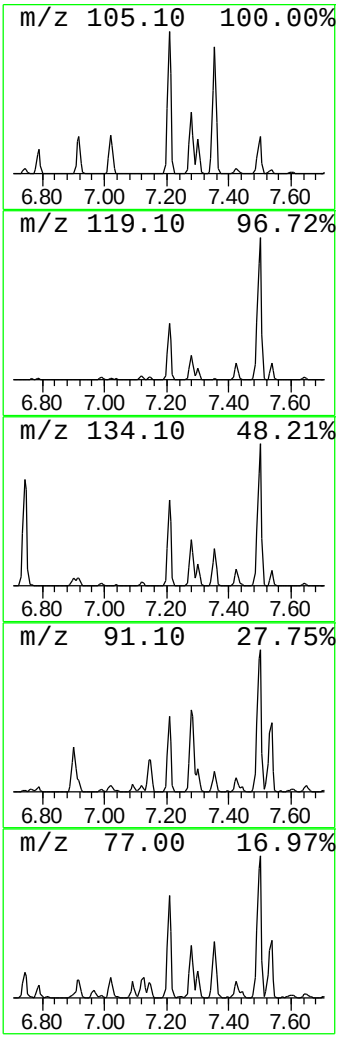
Peak Number 12 Benzene, 1,2-diethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	43.01 ng	1372950	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87





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Sample : J3449-03
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Instrument : BNA_F
ClientSampleId : W-50

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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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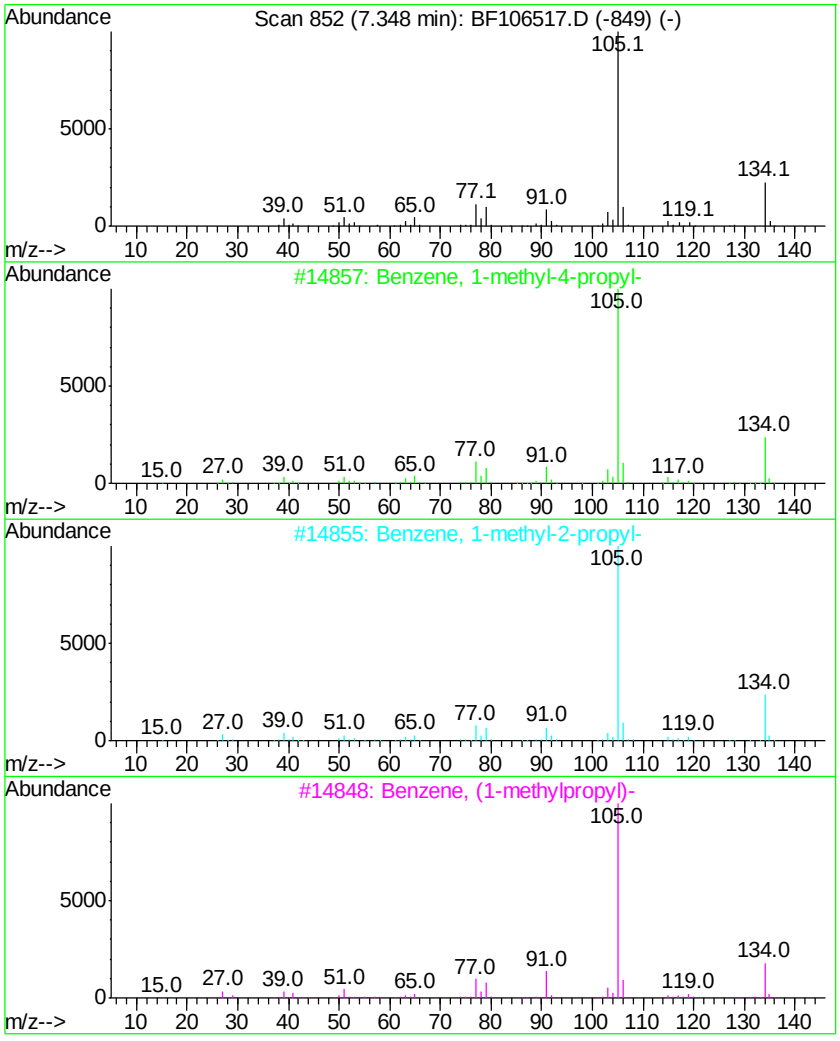
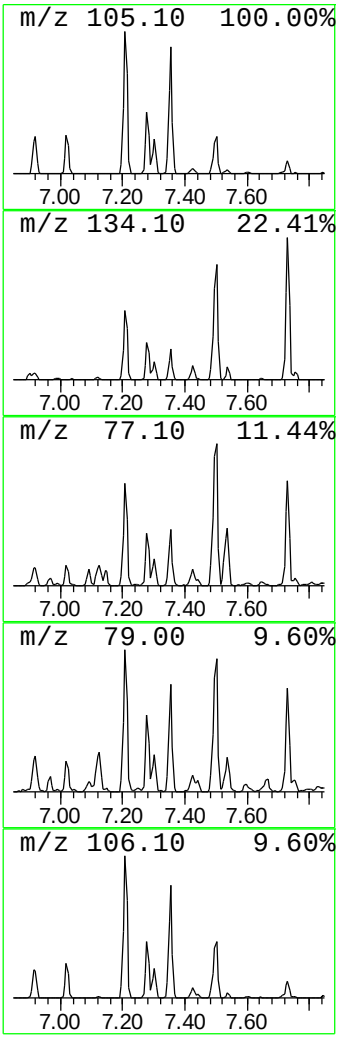
Peak Number 15 Benzene, 1-methyl-4-propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	17.78 ng	567554	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	87
5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	72





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Acq On : 16 Jun 2018 3:25
Operator : JU/SJ
Sample : J3449-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-50

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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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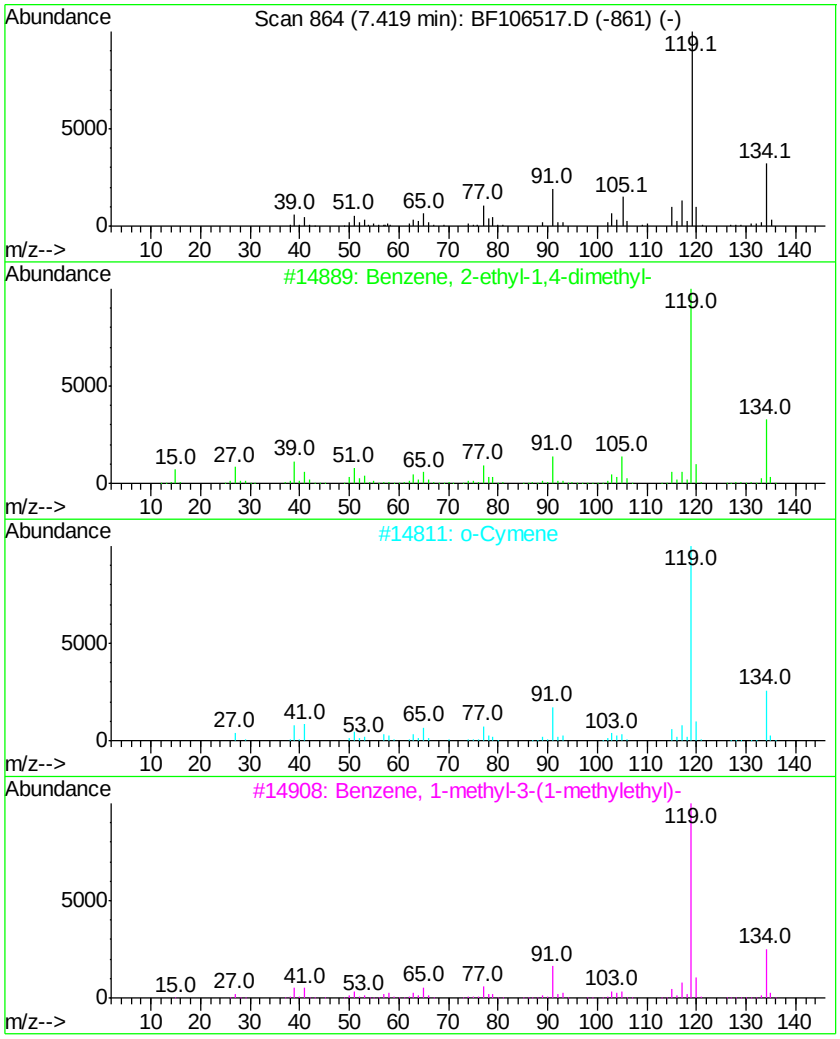
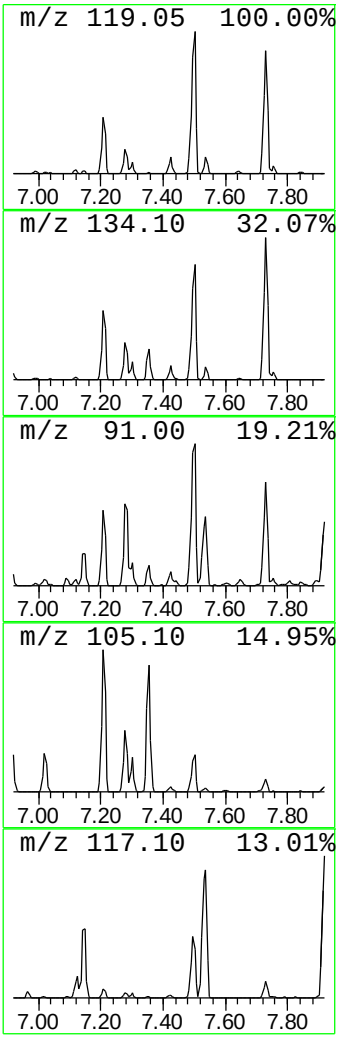
Peak Number 16 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	10.19 ng	325197	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	p-Cymene	134	C10H14	000099-87-6	94





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Sample : J3449-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-50

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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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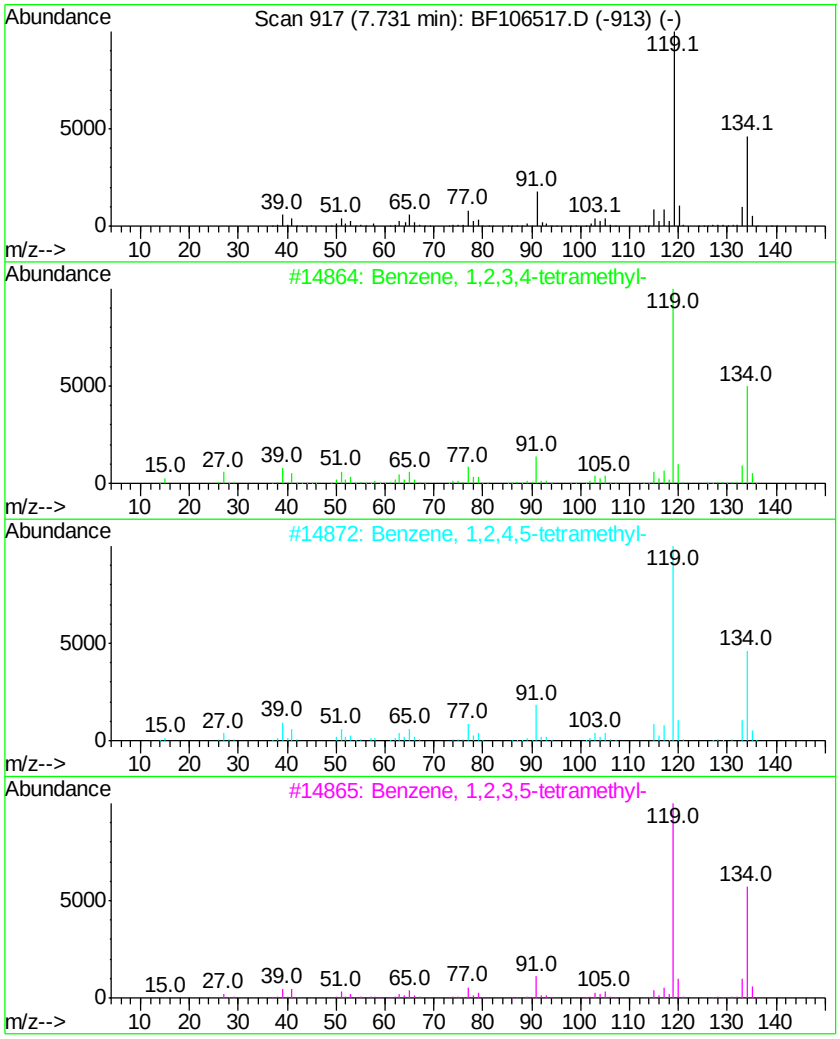
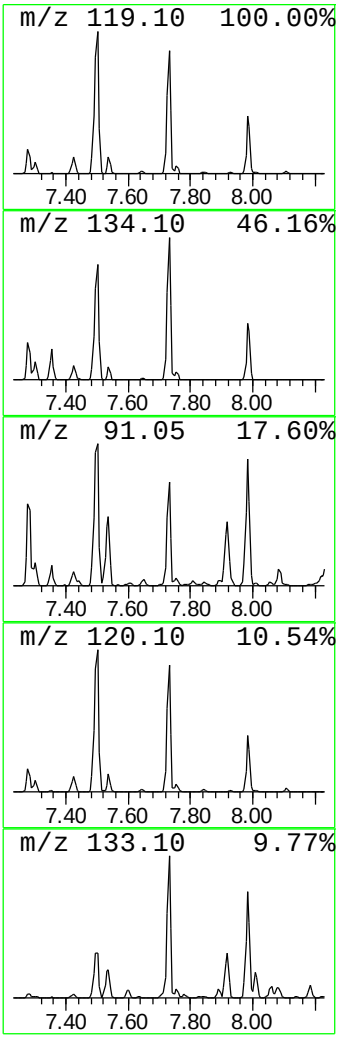
Peak Number 17 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	26.09 ng	1879640	Naphthalene-d8	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





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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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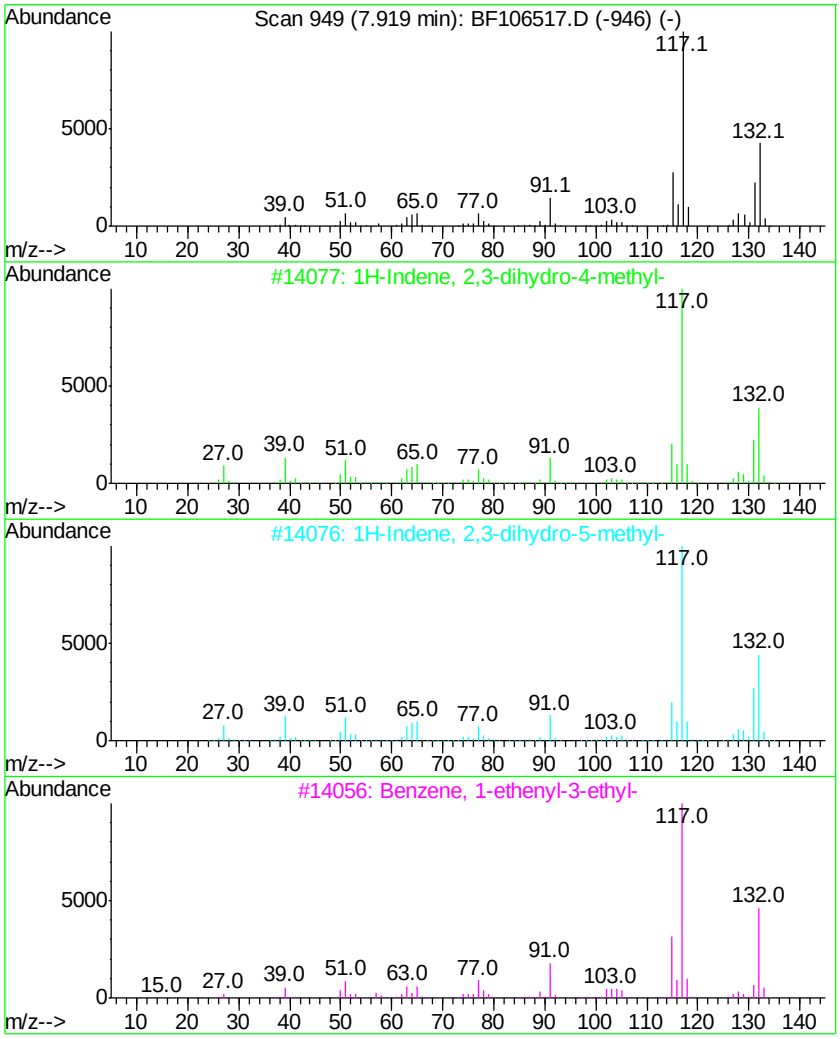
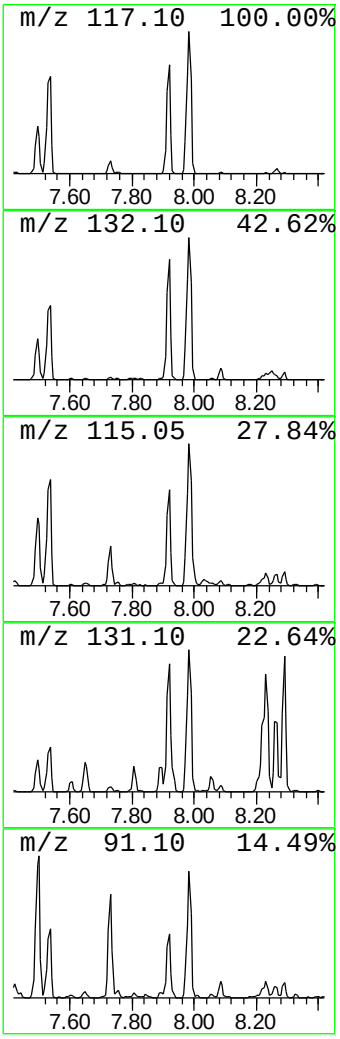
Peak Number 18 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	22.90 ng	1649490	Naphthalene-d8	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	87





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ClientSampleId : W-50

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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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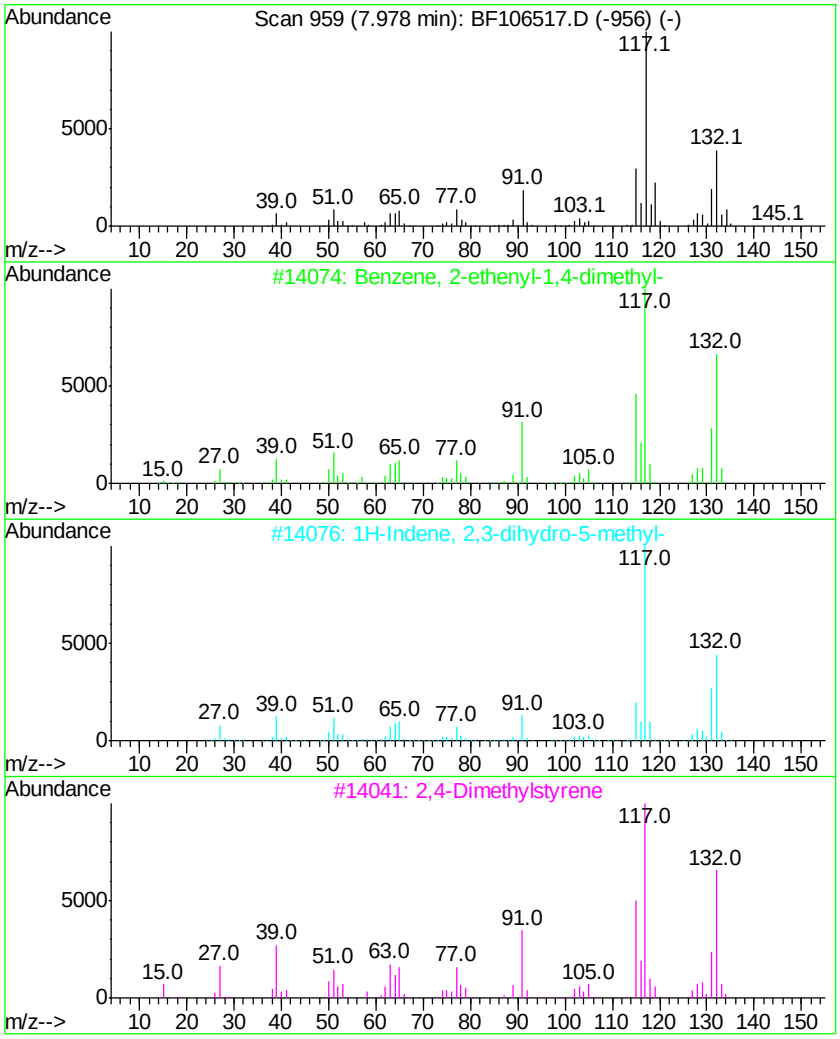
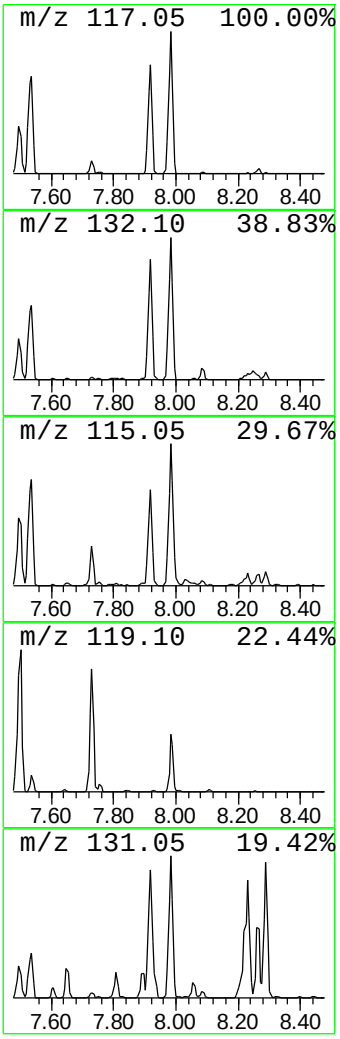
Peak Number 19 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	43.89 ng	3161850	Naphthalene-d8	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	92
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	86
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70





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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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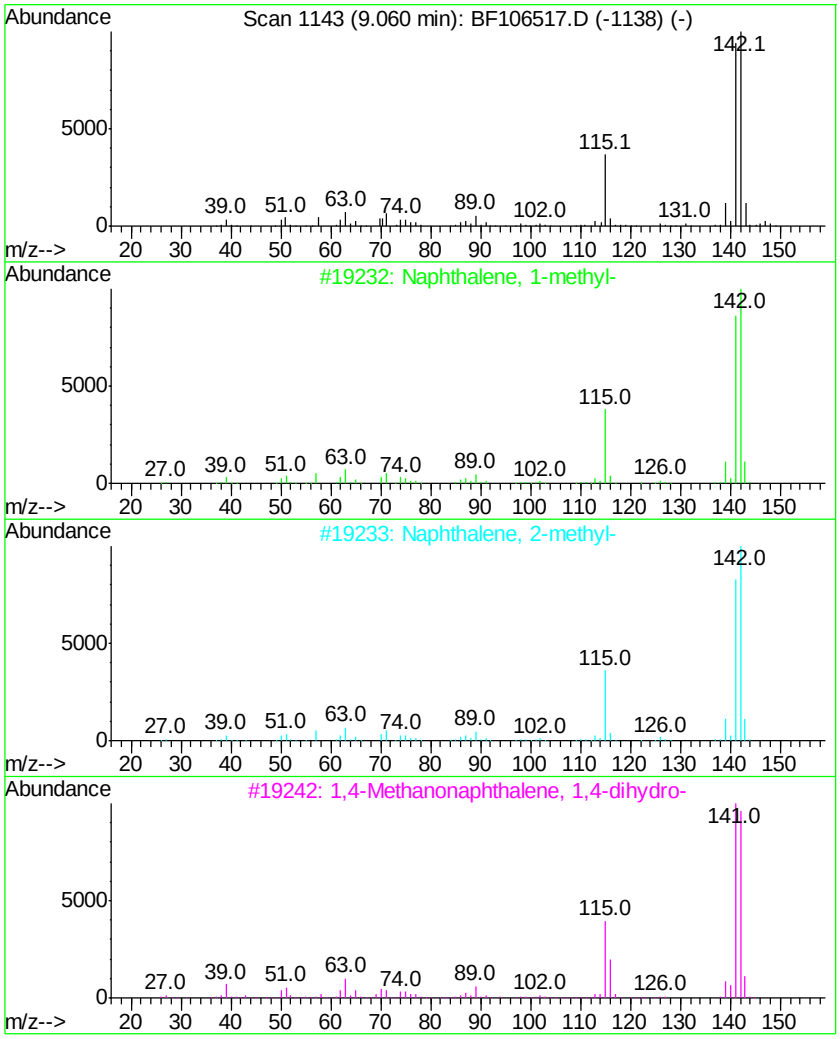
Peak Number 20 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	10.02 ng	721935	Naphthalene-d8	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	64



m/z 142.10 100.00%

m/z 141.10 93.80%

m/z 115.05 36.75%

m/z 139.10 11.72%

m/z 143.10 11.68%

Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061518\
Data File : BF106517.D
Acq On : 16 Jun 2018 3:25
Operator : JU/SJ
Sample : J3449-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-50

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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
Furan, 2-ethyl-	2.70	14.9	ng	475872	1	6.97	638432	20.0
Cyclopentene, 1,5...	2.93	8.7	ng	276541	1	6.97	638432	20.0
Cyclobutane, (1-m...	3.81	11.2	ng	358203	1	6.97	638432	20.0
Benzene, (1-methy...	6.14	9.6	ng	305289	1	6.97	638432	20.0
Benzene, propyl-	6.42	25.9	ng	826620	1	6.97	638432	20.0
Benzene, 1-ethyl-...	6.52	26.0	ng	829438	1	6.97	638432	20.0
unknown6.74	6.74	68.3	ng	2180190	1	6.97	638432	20.0
Dicyclopentadiene	7.09	12.8	ng	408190	1	6.97	638432	20.0
Indane	7.14	19.6	ng	626691	1	6.97	638432	20.0
Benzene, 1,2-diet...	7.21	43.0	ng	1372950	1	6.97	638432	20.0
Benzene, 1-methyl...	7.35	17.8	ng	567554	1	6.97	638432	20.0
Benzene, 2-ethyl-...	7.42	10.2	ng	325197	1	6.97	638432	20.0
Benzene, 1,2,3,4-...	7.73	26.1	ng	1879640	2	8.25	1440710	20.0
1H-Indene, 2,3-di...	7.92	22.9	ng	1649490	2	8.25	1440710	20.0
Benzene, 2-etheny...	7.98	43.9	ng	3161850	2	8.25	1440710	20.0
Naphthalene, 1-me...	9.06	10.0	ng	721935	2	8.25	1440710	20.0