LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115930.D
Acq On : 2 Aug 2019 1:55
Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

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-BF073019.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	3.393	212	222	228	rBV2	29658	86457	1.65%	0.175%
2	3.540	243	247	256	rVB	68802	120075	2.30%	0.243%
3	3.716	268	277	283	rBV	49806	80770	1.55%	0.163%
4	3.910	306	310	318	rBV2	43246	65790	1.26%	0.133%
5	5.339	549	553	557	rBV	41004	68295	1.31%	0.138%
6	5.469	571	575	582	rBV	1083352	1022304	19.56%	2.068%
7	5.692	608	613	633	rBV	1202933	2658173	50.86%	5.378%
8	6.481	744	747	756	rVB	1233110	1149577	21.99%	2.326%
9	6.569	759	762	767	rVB	257175	268223	5.13%	0.543%
10	6.622	767	771	777	rVB	1414039	1183985	22.65%	2.395%
11	6.692	777	783	787	rBV	1404731	2017930	38.61%	4.083%
12	6.734	787	790	802	rVB	723250	1061884	20.32%	2.148%
13	6.851	807	810	818	rVB	1208397	960228	18.37%	1.943%
14	7.010	833	837	840	rBV	1067754	941559	18.01%	1.905%
15	7.116	851	855	863	rBV	1065768	1234308	23.61%	2.497%
16	7.357	886	896	899	rBV2	153932	178576	3.42%	0.361%
17	7.410	899	905	907	rVV	820279	805648	15.41%	1.630%
18	7.469	911	915	920	rVV	235603	342911	6.56%	0.694%
19	7.516	920	923	928	rVB	164238	177772	3.40%	0.360%
20	7.622	936	941	944	rBV2	87138	113200	2.17%	0.229%
21	7.716	949	957	960	rBV	4704232	5226908	100.00%	10.575%
22	7.886	982	986	989	rBV	216950	238560	4.56%	0.483%
23	7.933	989	994	997	rVV	389918	361209	6.91%	0.731%
24	8.004	1003	1006	1010	rVB3	53603	64144	1.23%	0.130%
25	8.080	1016	1019	1021	rBV	86071	68994	1.32%	0.140%
26	8.133	1024	1028	1030	rVV	1459632	1195217	22.87%	2.418%
27	8.151	1030	1031	1034	rVB	126428	101226	1.94%	0.205%
28	8.351	1061	1065	1072	rBV	2830541	2676036	51.20%	5.414%
29	8.410	1072	1075	1082	rBV	3063351	2834172	54.22%	5.734%
30	8.616	1105	1110	1112	rBV3	70666	92958	1.78%	0.188%
31	8.645	1112	1115	1120	rVB4	44433	67395	1.29%	0.136%
32	8.727	1126	1129	1134	rBV5	52406	61323	1.17%	0.124%
33	8.792	1137	1140	1144	rVB4	40109	55749	1.07%	0.113%
34	8.839	1144	1148	1154	rBV	867369	897975	17.18%	1.817%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115930.D
Acq On : 2 Aug 2019 1:55
Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.910	1157	1160	1163	rBV	399763	328273	6.28%	0.664%
36	8.951	1164	1167	1169	rBV	227594	167953	3.21%	0.340%
37	9.022	1176	1179	1180	rBV	183536	141072	2.70%	0.285%
38	9.039	1180	1182	1187	rVB	340928	305563	5.85%	0.618%
39	9.092	1188	1191	1194	rVB	63966	57871	1.11%	0.117%
40	9.133	1194	1198	1201	rBV	283601	246672	4.72%	0.499%
41	9.186	1204	1207	1208	rBV	234304	176469	3.38%	0.357%
42	9.210	1208	1211	1217	rVB	1744780	1473457	28.19%	2.981%
43	9.263	1217	1220	1222	rBV2	49790	65765	1.26%	0.133%
44	9.292	1223	1225	1230	rVB4	73614	78415	1.50%	0.159%
45	9.339	1230	1233	1236	rBV	926502	853888	16.34%	1.728%
46	9.492	1256	1259	1266	rVB2	272835	289863	5.55%	0.586%
47	9.557	1266	1270	1275	rBV	595627	559258	10.70%	1.132%
48	9.604	1275	1278	1285	rVB3	177045	213931	4.09%	0.433%
49	9.704	1291	1295	1297	rBV2	45935	70237	1.34%	0.142%
50	9.757	1301	1304	1307	rBV2	84313	113098	2.16%	0.229%
51	9.786	1307	1309	1313	rVB	126875	103938	1.99%	0.210%
52	9.833	1313	1317	1320	rBV3	111610	131899	2.52%	0.267%
53	9.892	1323	1327	1331	rVV	1466018	1229858	23.53%	2.488%
54	10.233	1382	1385	1388	rVB	113742	99223	1.90%	0.201%
55	10.322	1398	1400	1402	rVB2	66673	54903	1.05%	0.111%
56	10.439	1417	1420	1426	rVB4	83597	94078	1.80%	0.190%
57	10.680	1457	1461	1466	rBV	683502	615900	11.78%	1.246%
58	10.745	1468	1472	1478	rVB	172062	182252	3.49%	0.369%
59	10.810	1478	1483	1488	rVB4	70266	105915	2.03%	0.214%
60	10.851	1488	1490	1494	rBV2	39442	59323	1.13%	0.120%
61	11.186	1544	1547	1553	rBV4	62815	80839	1.55%	0.164%
62	11.274	1560	1562	1564	rBV	71898	55732	1.07%	0.113%
63	11.310	1564	1568	1571	rVB	1017711	860484	16.46%	1.741%
64	11.380	1576	1580	1582	rBV	1218334	1039532	19.89%	2.103%
65	11.404	1582	1584	1587	rVB	404772	303460	5.81%	0.614%
66	11.457	1590	1593	1596	rVB	112086	101544	1.94%	0.205%
67	11.498	1597	1600	1604	rBV	937709	767994	14.69%	1.554%
68	11.616	1617	1620	1623	rBV	864093	733061	14.02%	1.483%
69	11.674	1627	1630	1633	rBV	219919	203569	3.89%	0.412%
70	11.733	1637	1640	1643	rVV	340119	255795	4.89%	0.518%
71	11.786	1645	1649	1652	rBV	721033	684300	13.09%	1.384%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115930.D
Acq On : 2 Aug 2019 1:55
Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.892	1663	1667	1669	rBV2	455910	581326	11.12%	1.176%
73	12.604	1785	1788	1793	rVB	880931	773108	14.79%	1.564%
74	12.686	1800	1802	1806	rVB	411611	348058	6.66%	0.704%
75	12.833	1824	1827	1833	rVB	900952	815699	15.61%	1.650%
76	12.963	1844	1849	1852	rVB	1176148	1145374	21.91%	2.317%
77	13.351	1913	1915	1918	rVB	85595	67056	1.28%	0.136%
78	13.774	1984	1987	1989	rBV2	87840	84301	1.61%	0.171%
79	13.798	1989	1991	1993	rVB	74169	52697	1.01%	0.107%
80	14.021	2025	2029	2032	rBV2	1160989	1411848	27.01%	2.856%
81	14.051	2032	2034	2042	rVB	471202	424988	8.13%	0.860%
82	15.068	2203	2207	2214	rBV	405736	712175	13.63%	1.441%
83	15.368	2256	2258	2264	rVB	221601	288394	5.52%	0.583%
84	15.433	2266	2269	2275	rVB	262965	340193	6.51%	0.688%
85	15.498	2276	2280	2284	rBV	653431	802161	15.35%	1.623%
86	17.421	2604	2607	2616	rVB	104150	193708	3.71%	0.392%

Sum of corrected areas: 49426001

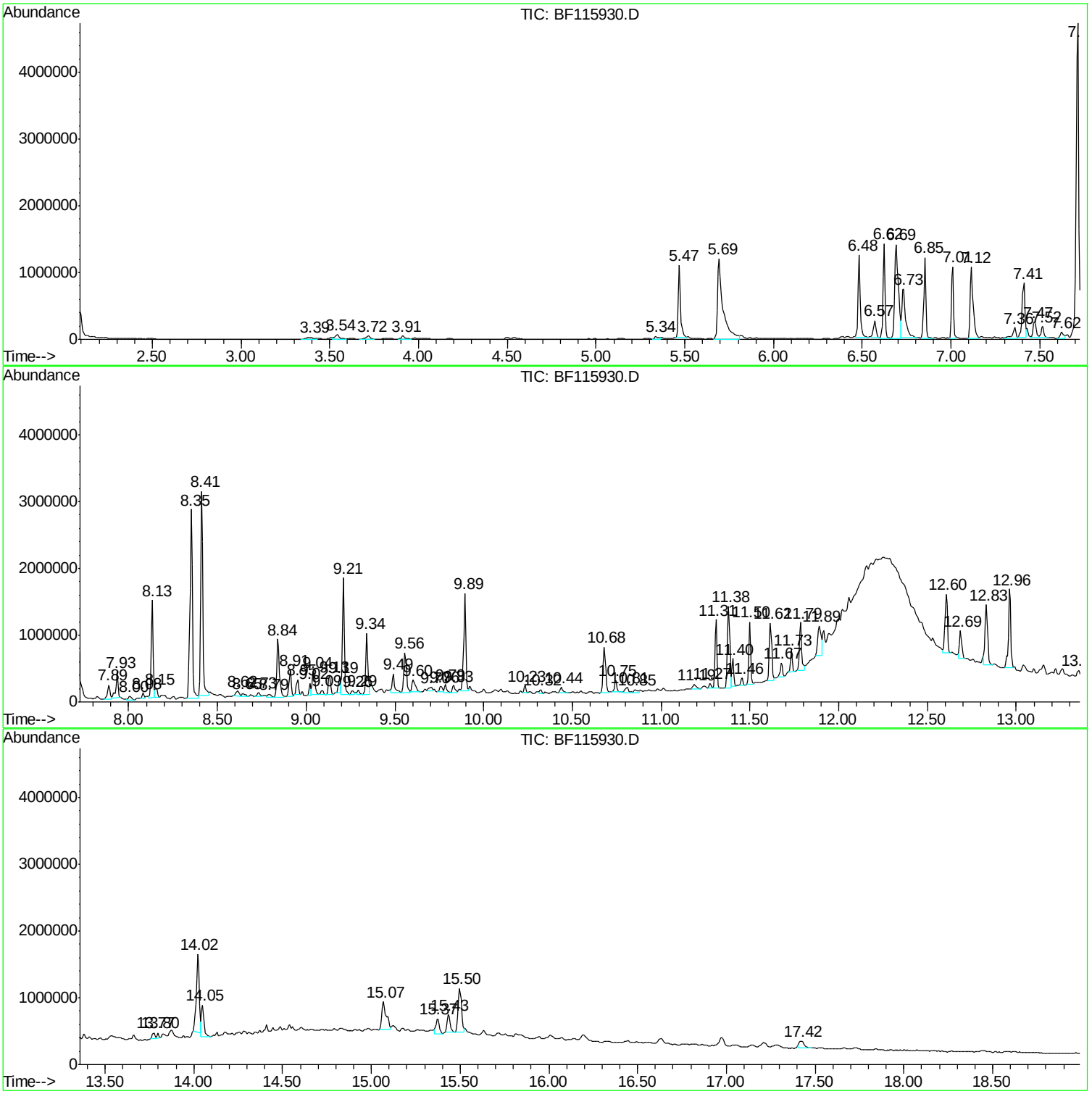
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115930.D
Acq On : 2 Aug 2019 1:55
Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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\BF080119\
Data File : BF115930.D
Acq On : 2 Aug 2019 1:55
Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

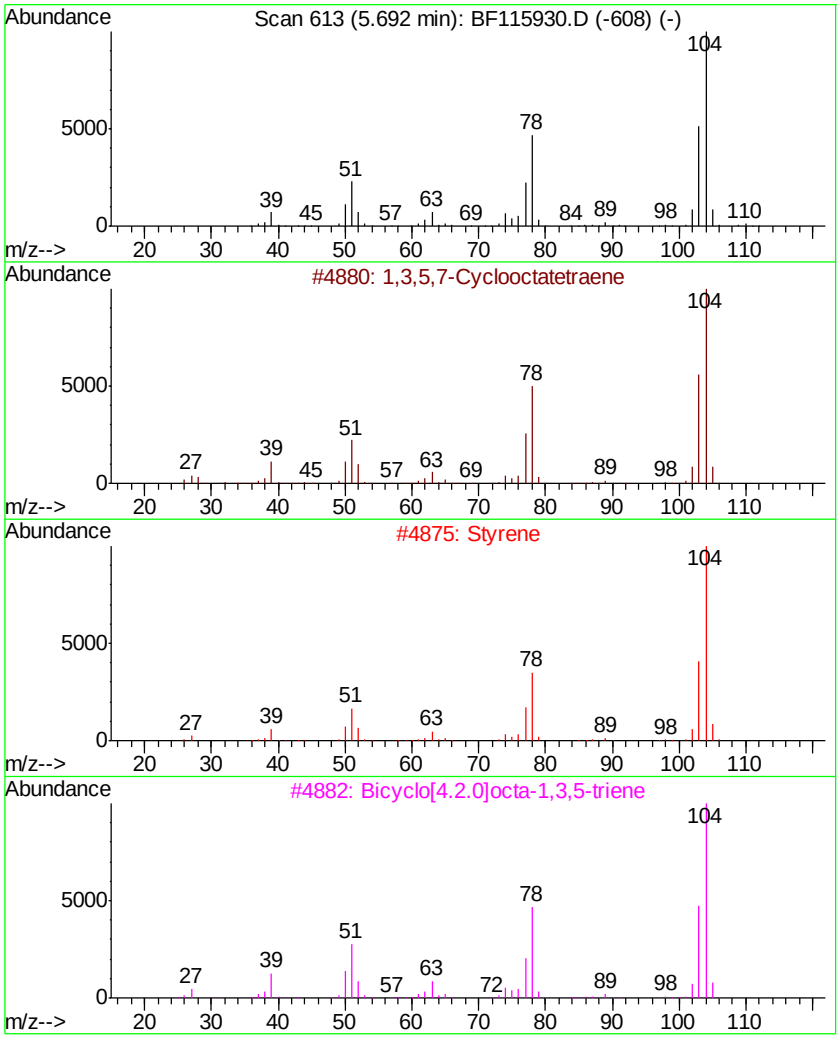
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

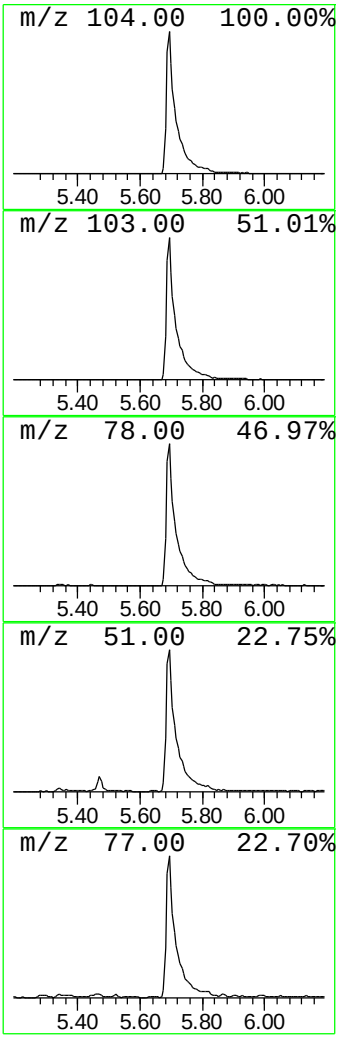
****

Peak Number 1 1,3,5,7-Cyclooctatetraene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.69	55.37 ng	2658170	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	97
2	Styrene	104	C8H8	000100-42-5	97
3	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	96
4	Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	72
5	2-Pyridinecarbonitrile	104	C6H4N2	000100-70-9	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115930.D
Acq On : 2 Aug 2019 1:55
Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

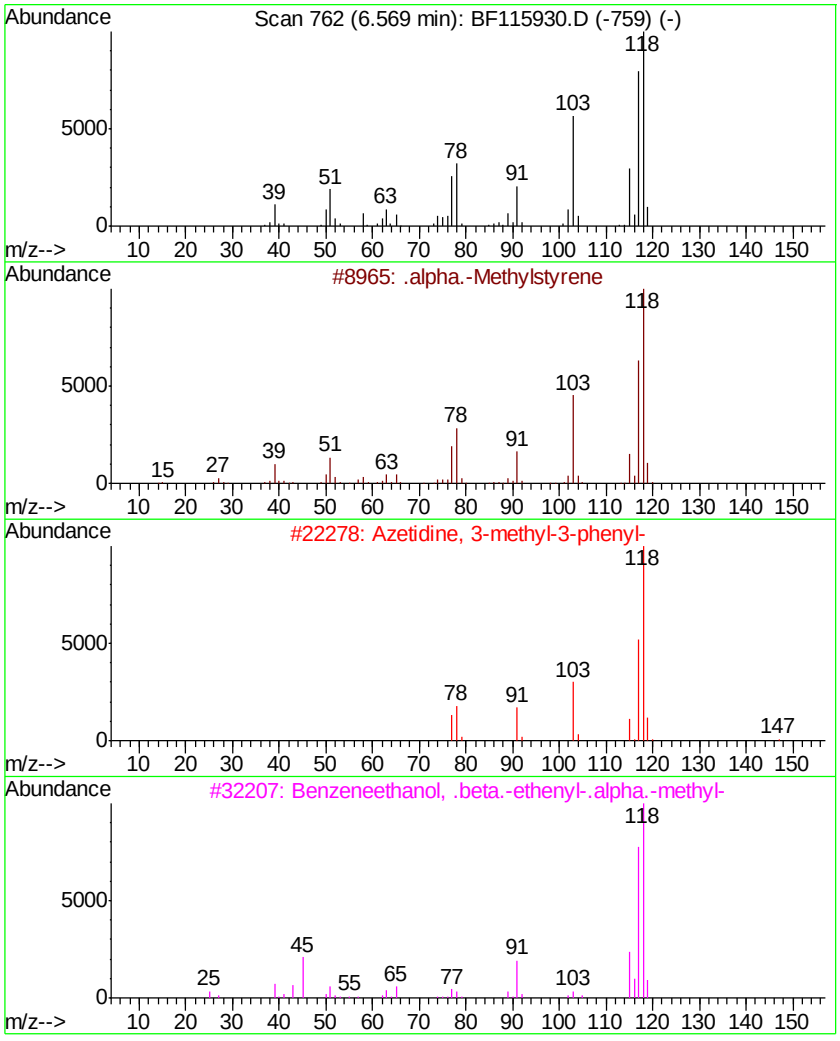
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

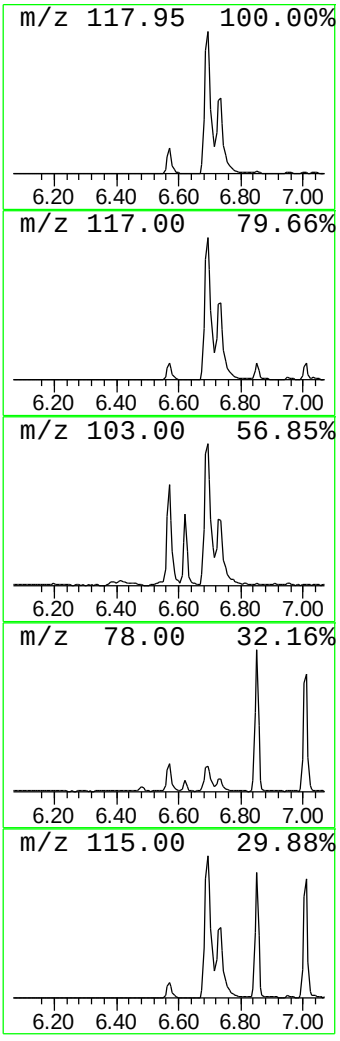
****

Peak Number 2 .alpha.-Methylstyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	5.59 ng	268223	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Methylstyrene	118	C9H10	000098-83-9	96
2	Azetidine, 3-methyl-3-phenyl-	147	C10H13N	005961-33-1	59
3	Benzeneethanol, .beta.-ethenyl-....	162	C11H14O	040596-14-3	53
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	53
5	Propanoic acid, 2-methyl-, 3-phe...	206	C13H18O2	000103-58-2	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115930.D
Acq On : 2 Aug 2019 1:55
Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

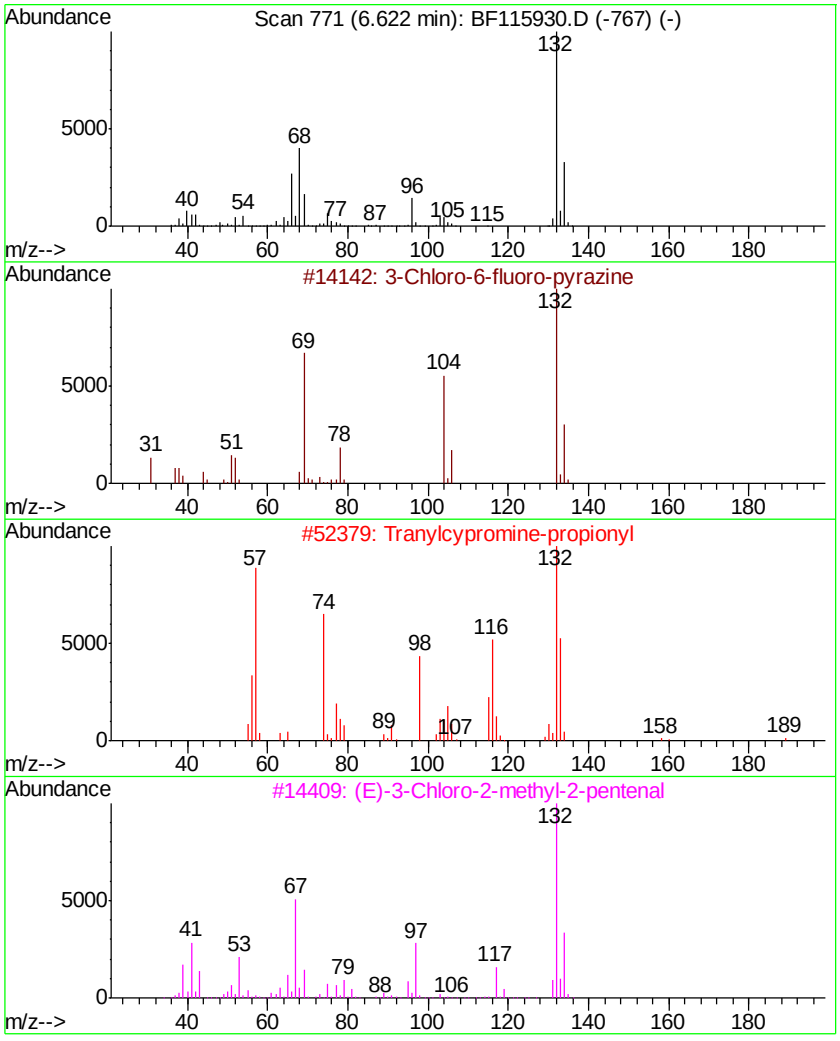
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

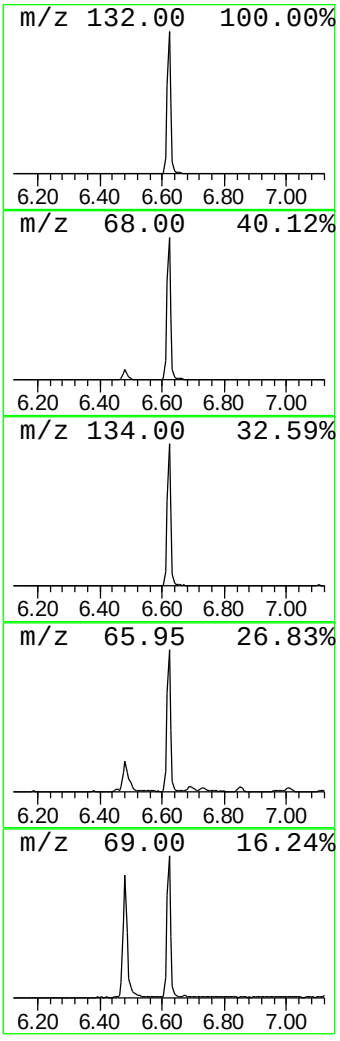
****

Peak Number 3 unknown6.62 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	24.66 ng	1183990	1,4-Dichlorobenzene-d4	6.85

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	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115930.D
Acq On : 2 Aug 2019 1:55
Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

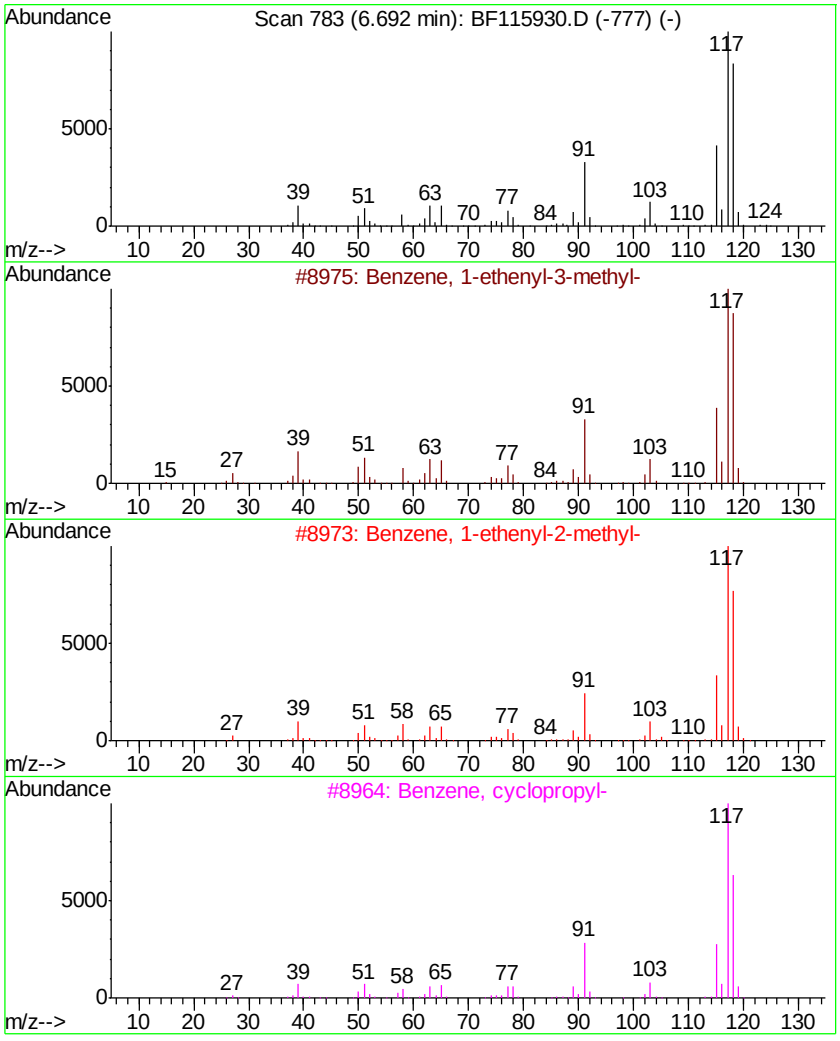
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

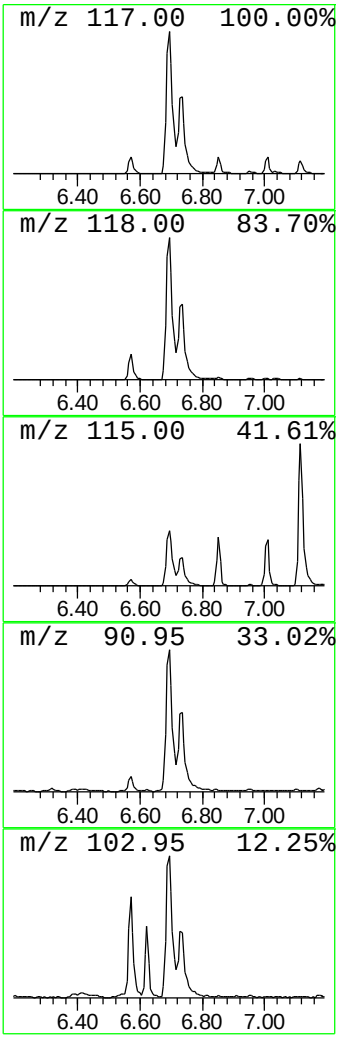
****

Peak Number 4 Benzene, 1-ethenyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	42.03 ng	2017930	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93
5	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115930.D
Acq On : 2 Aug 2019 1:55
Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

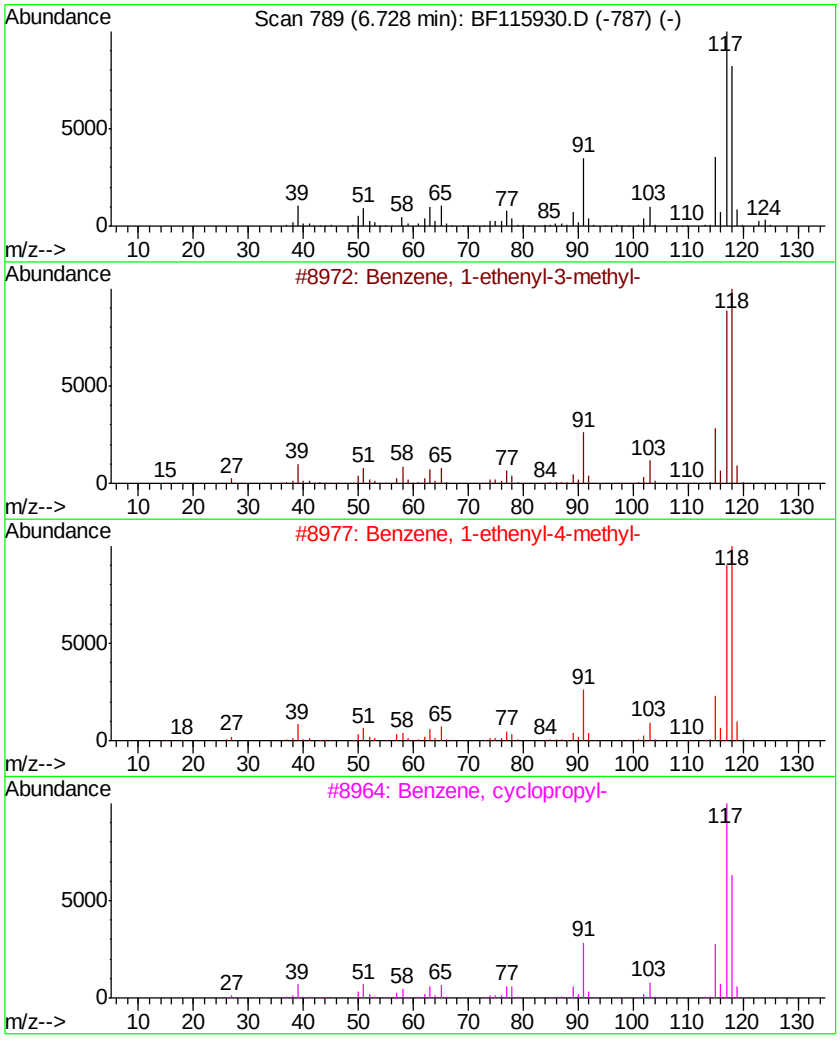
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

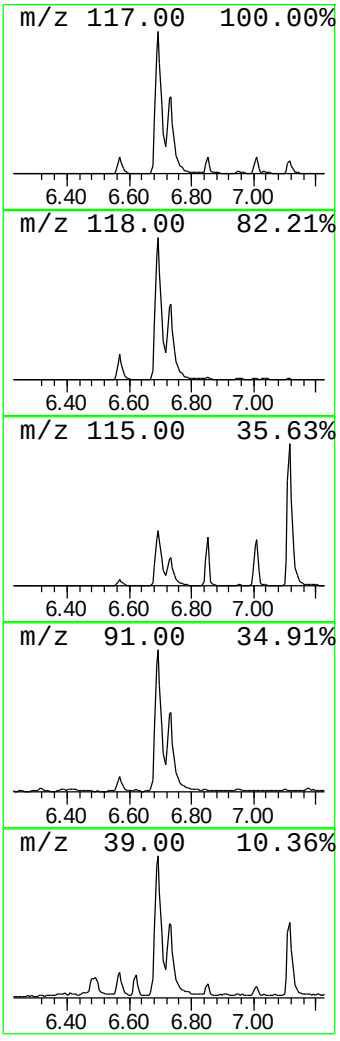
****

Peak Number 5 Benzene, 1-ethenyl-4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	22.12 ng	1061880	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115930.D
Acq On : 2 Aug 2019 1:55
Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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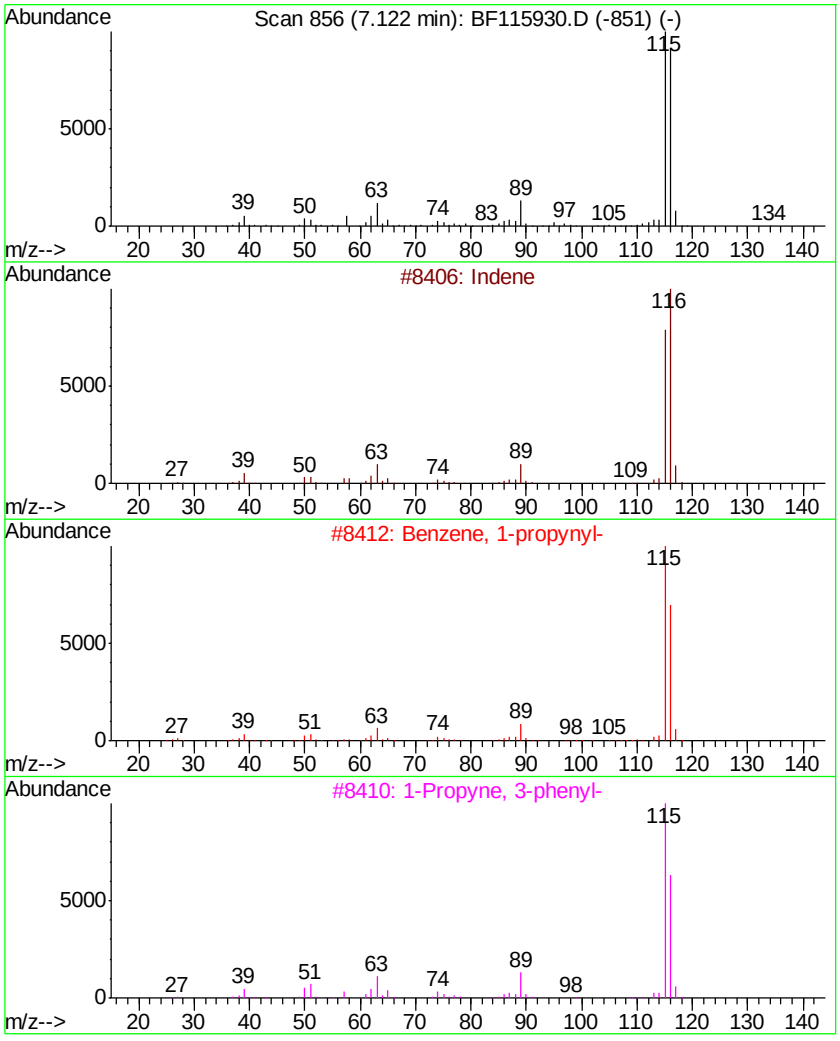
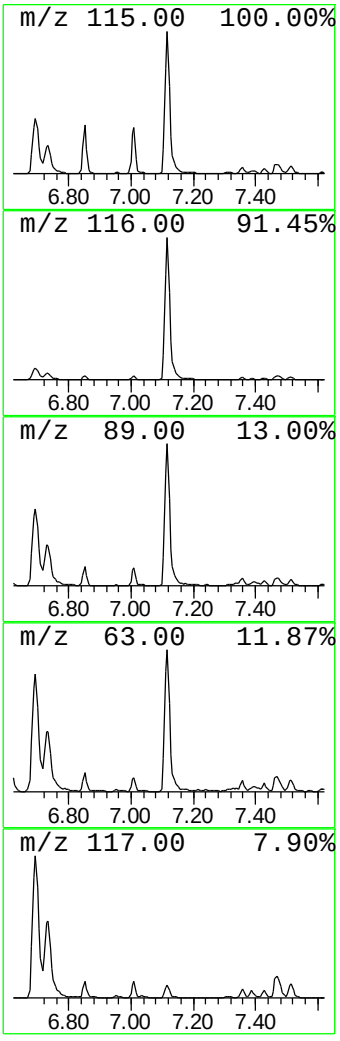
Peak Number 7 Indene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	25.71 ng	1234310	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	91





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Acq On : 2 Aug 2019 1:55
Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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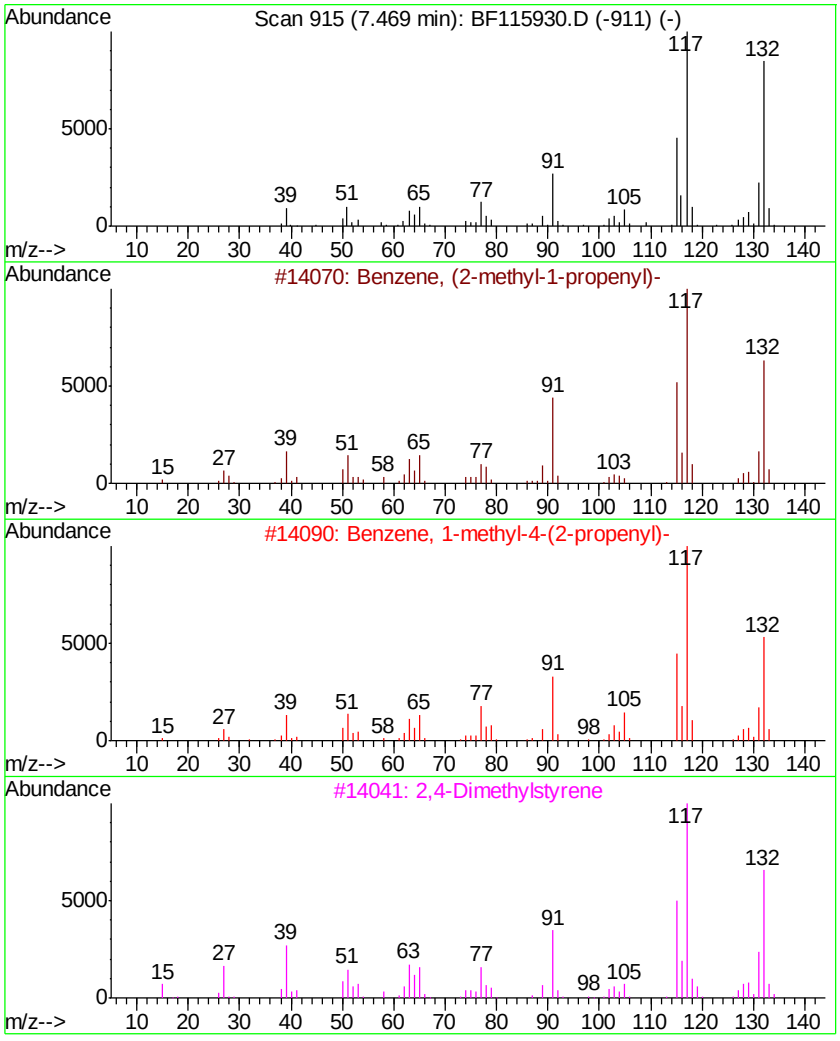
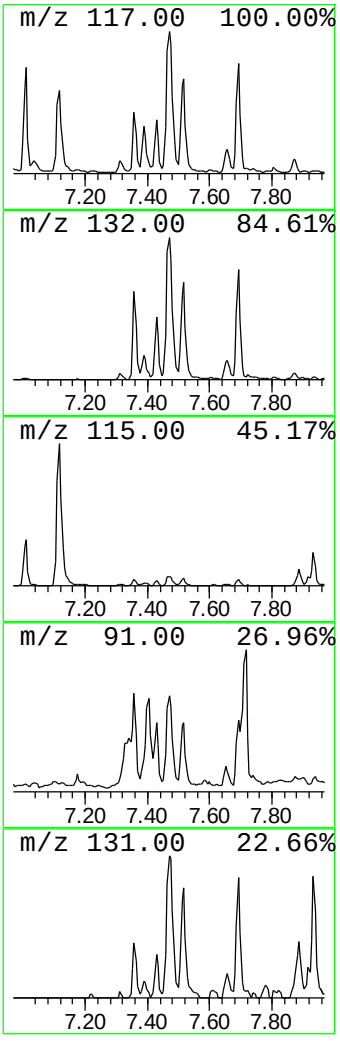
Peak Number 8 Benzene, (2-methyl-1-propen... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	7.14 ng	342911	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	96
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	96
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	95
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	95





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Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

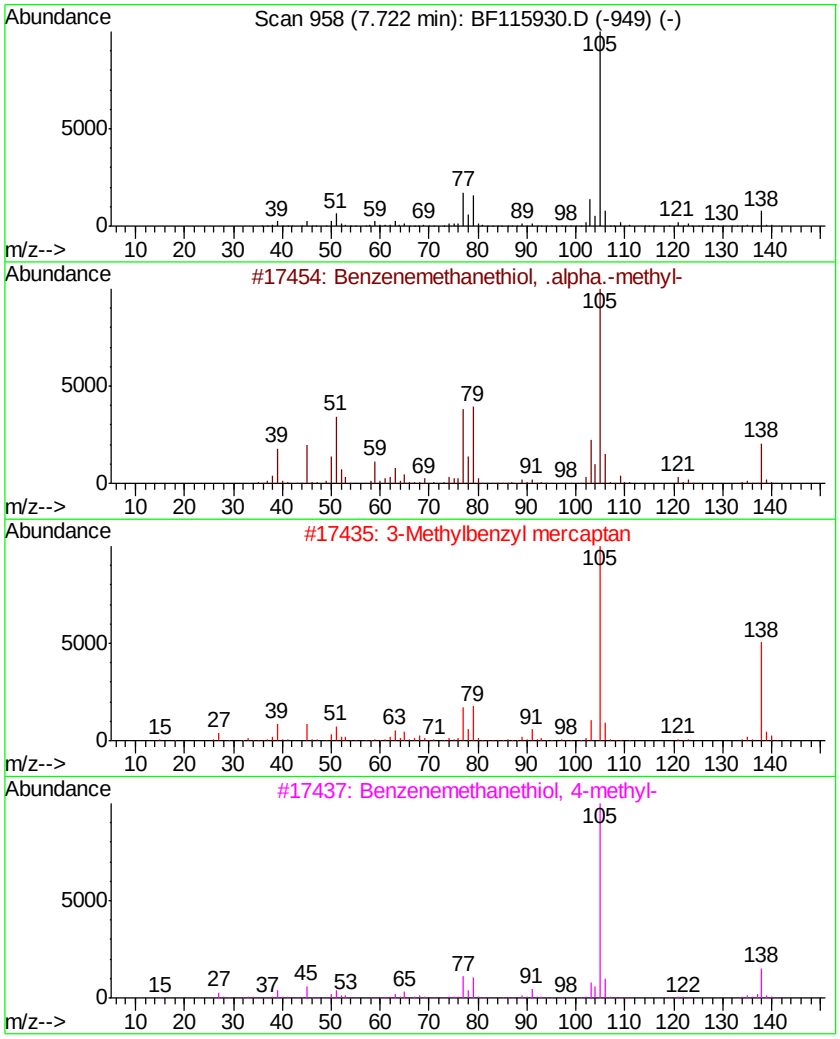
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

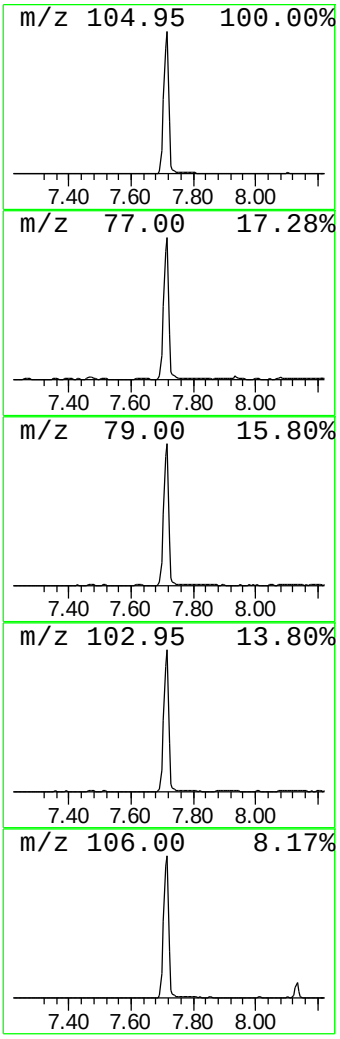
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzenemethanethiol, .alpha... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	87.46 ng	5226910	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	87
2	3-Methylbenzyl mercaptan	138	C8H10S	025697-56-7	80
3	Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	78
4	3,5-Dimethylthiophenol	138	C8H10S	038360-81-5	72
5	Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	72





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Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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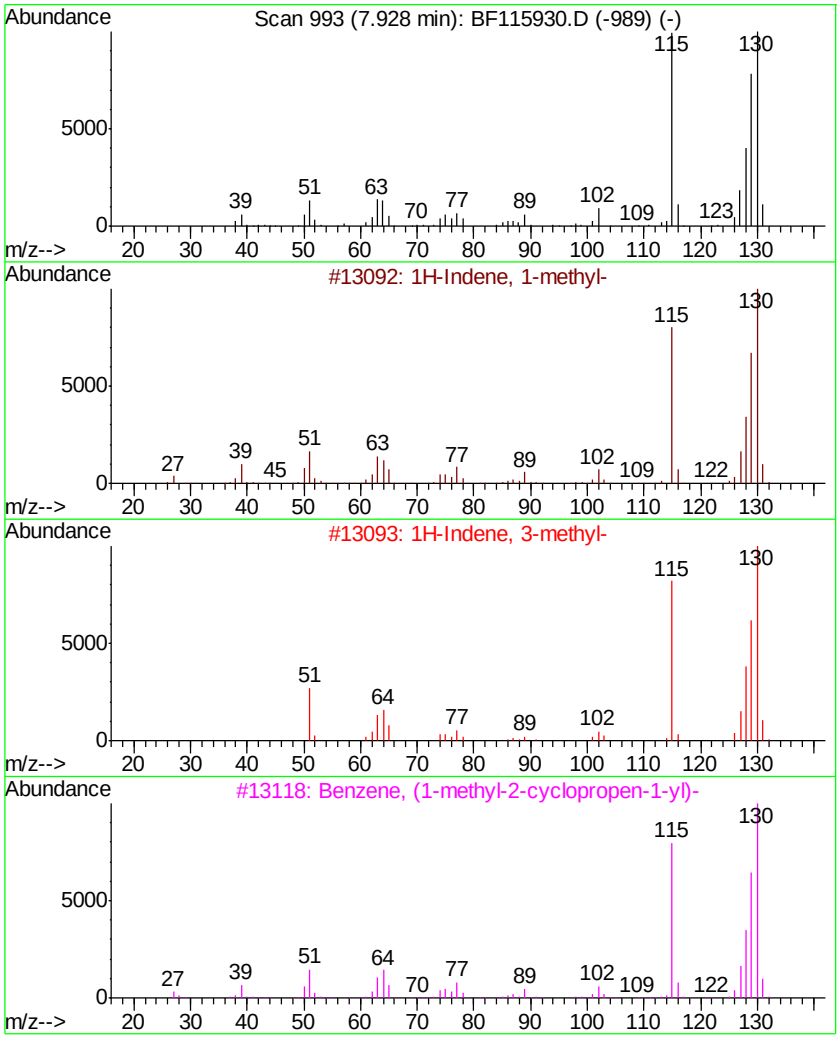
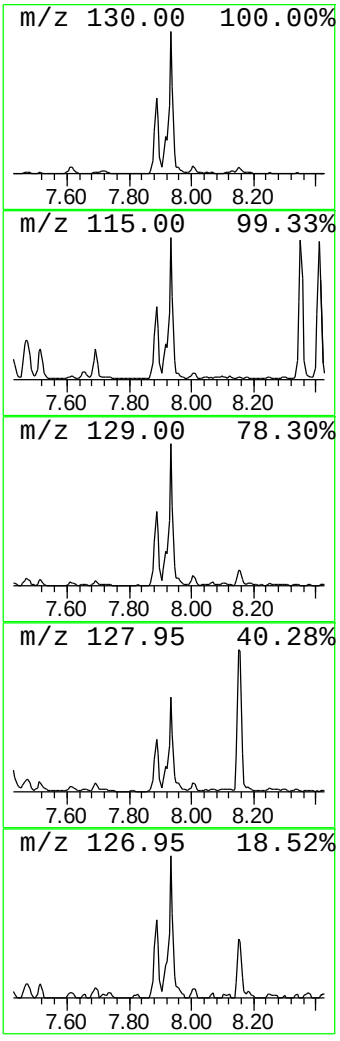
Peak Number 10 1H-Indene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	6.04 ng	361209	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	95
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
5	2-Methylindene	130	C10H10	002177-47-1	94





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Acq On : 2 Aug 2019 1:55
Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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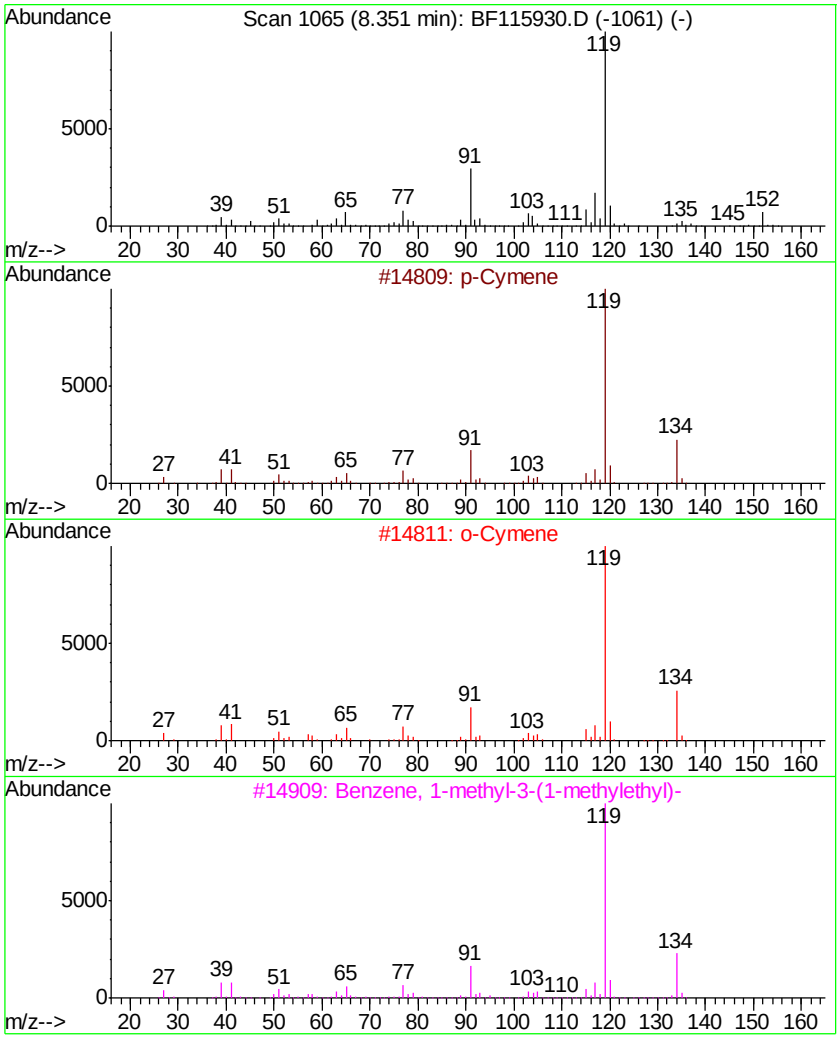
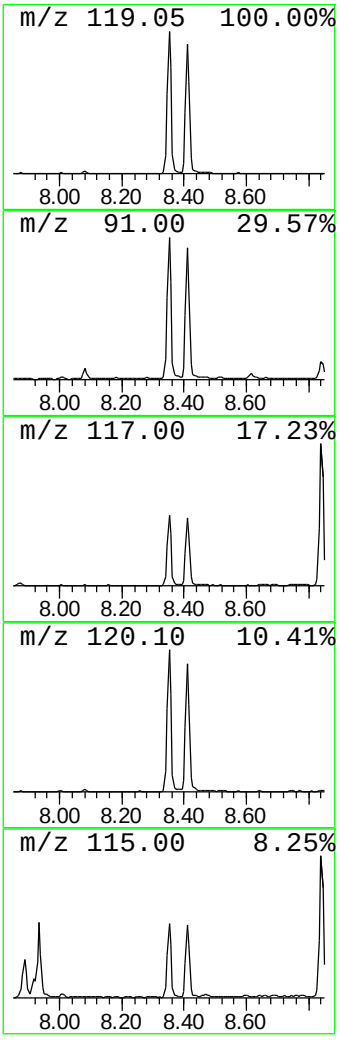
Peak Number 11 p-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	44.78 ng	2676040	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	90
2	o-Cymene	134	C10H14	000527-84-4	90
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	80
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	72





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Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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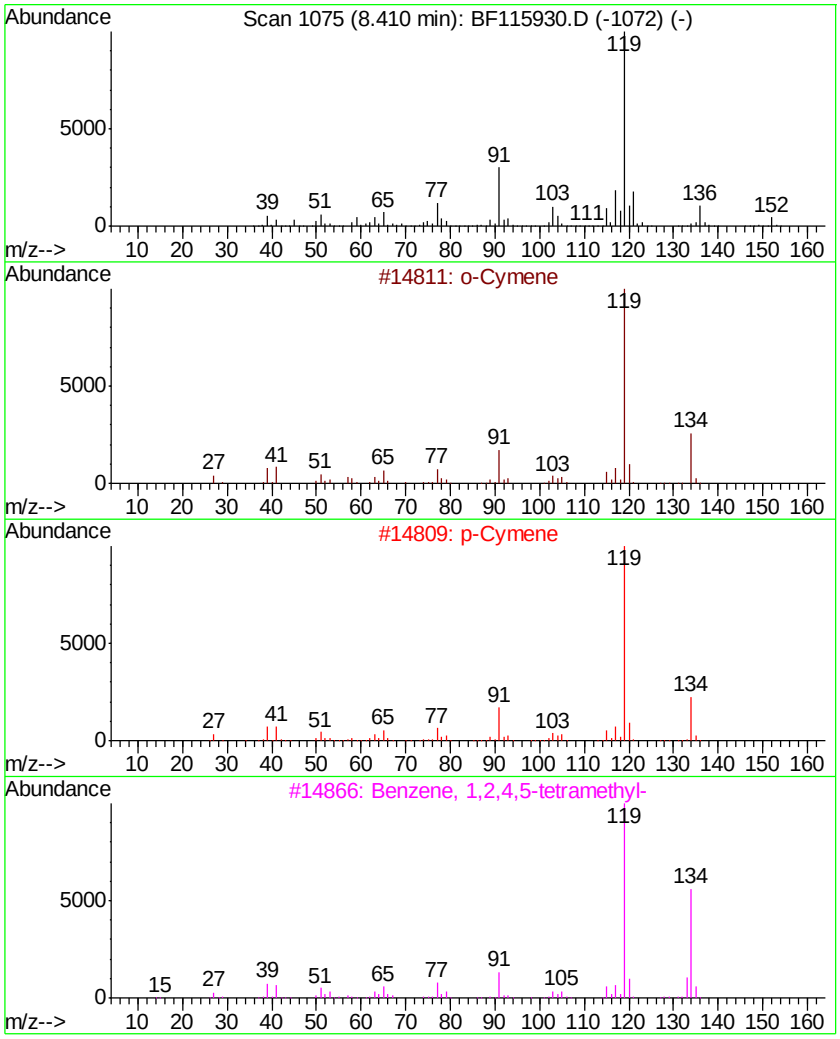
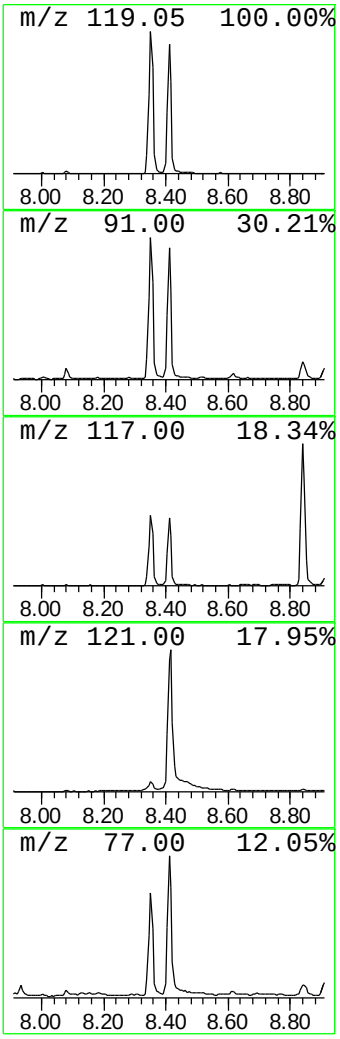
Peak Number 12 o-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	47.43 ng	2834170	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	81
2	p-Cymene	134	C10H14	000099-87-6	81
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	72
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	72
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	72





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Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

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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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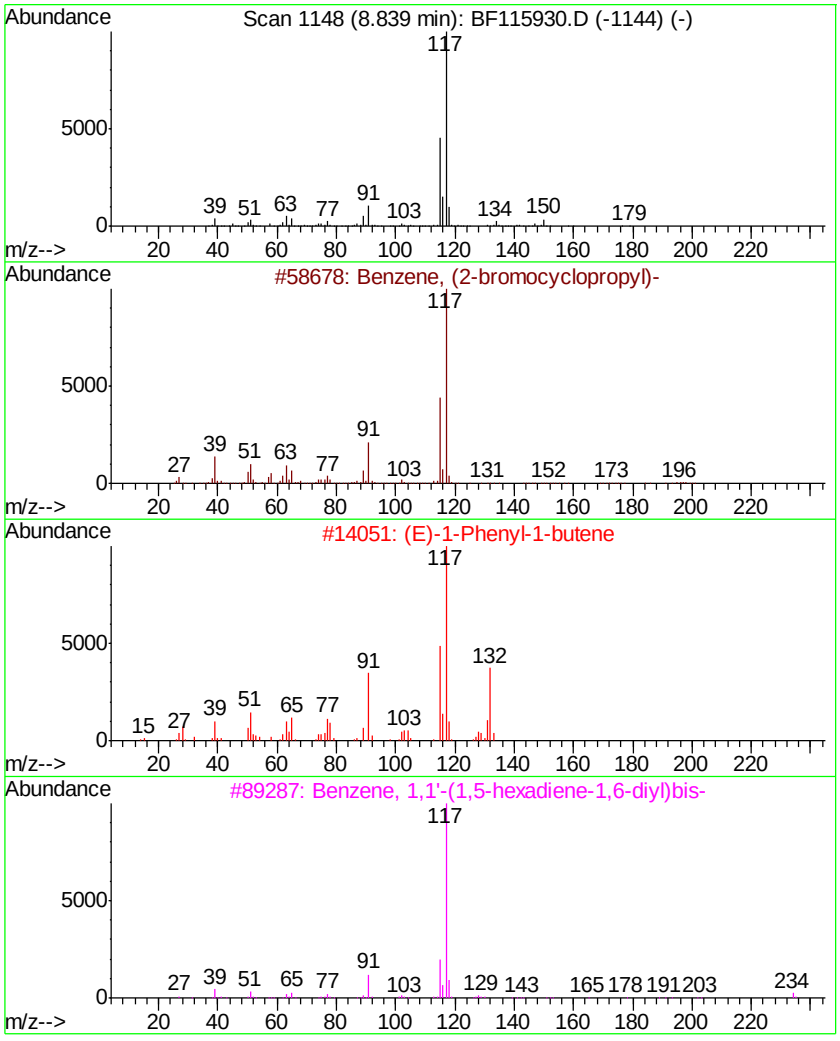
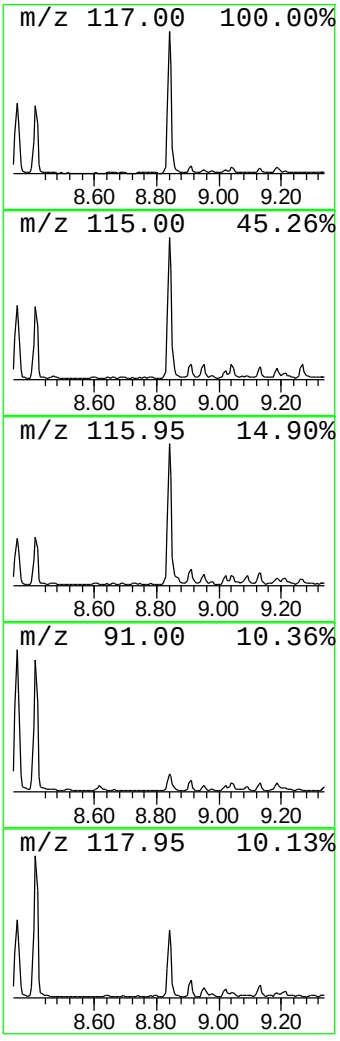
Peak Number 13 Benzene, (2-bromocyclopropyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	15.03 ng	897975	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	59
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	56
3	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53
4	Bicyclo[4.2.1]nona-2,4,7-triene,...	274	C15H14Se	072065-50-0	50
5	m-Aminophenylacetylene	117	C8H7N	054060-30-9	47





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Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

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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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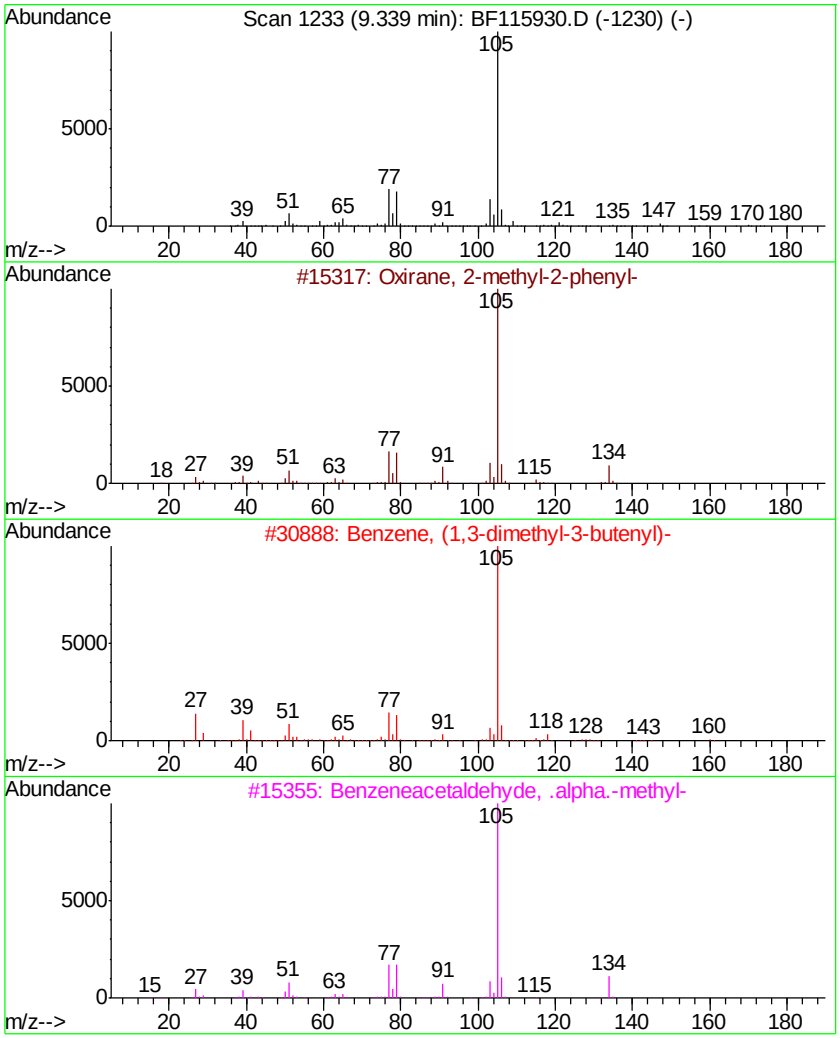
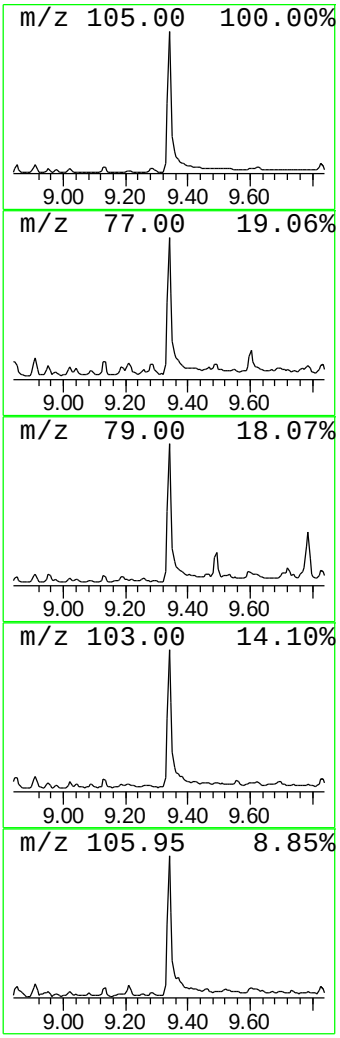
Peak Number 14 Oxirane, 2-methyl-2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	13.89 ng	853888	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	72
2	Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	72
3	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	72
4	p-Methylbenzyl isothiocyanate	163	C9H9NS	003694-46-0	64
5	3-Methylbenzylthiocyanate	163	C9H9NS	1000342-63-3	64





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Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

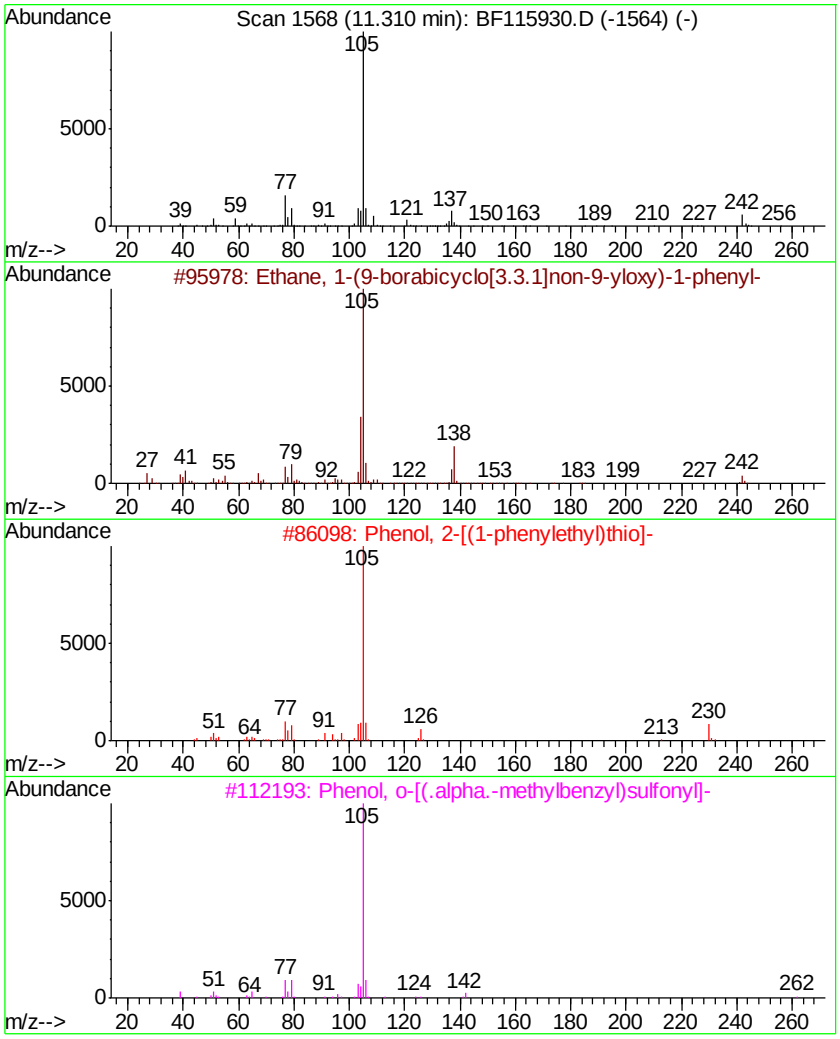
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

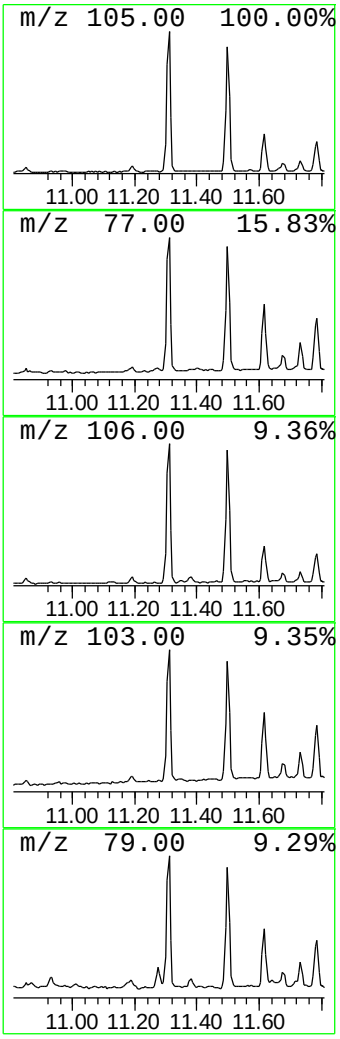
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Ethane, 1-(9-borabicyclo[3.... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	16.56 ng	860484	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1-(9-borabicyclo[3.3.1]n...	242	C16H23BO	1000160-80-6	72
2	Phenol, 2-[(1-phenylethyl)thio]-	230	C14H14OS	029549-70-0	59
3	Phenol, o-[(.alpha.-methylbenzyl...	262	C14H14O3S	029634-38-6	59
4	Benzaldehyde, 4-[(2-methylphenyl...	226	C15H14O2	1000338-23-1	53
5	Benzaldehyde, 4-[(3-methylphenyl...	226	C15H14O2	1000338-37-5	53





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Misc :
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Instrument : BNA_F
ClientSampleId : WC-01

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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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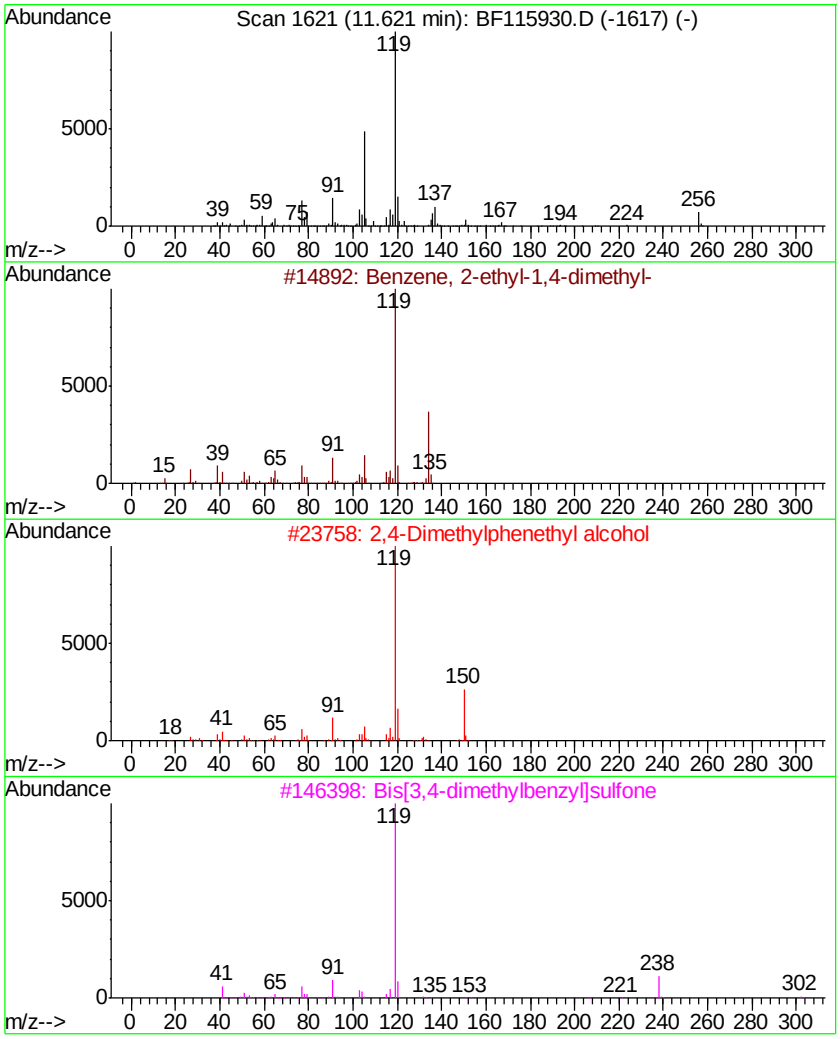
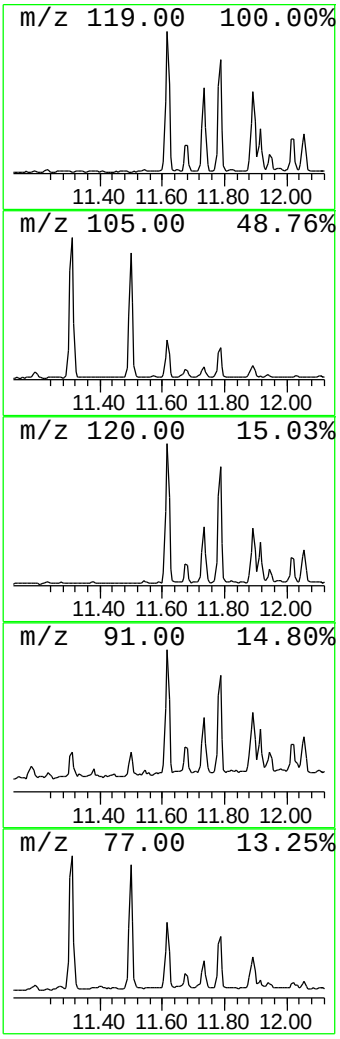
Peak Number 16 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	14.10 ng	733061	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64
2	2,4-Dimethylphenethyl alcohol	150	C10H14O	006597-59-7	59
3	Bis[3,4-dimethylbenzyl]sulfone	302	C18H22O2S	034277-83-3	59
4	2,4-Dimethylbenzyl chloride	154	C9H11Cl	000824-55-5	59
5	Chloro(alpha,alpha-dimethylbenzy...	212	C11H17ClSi	118740-38-8	59





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Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

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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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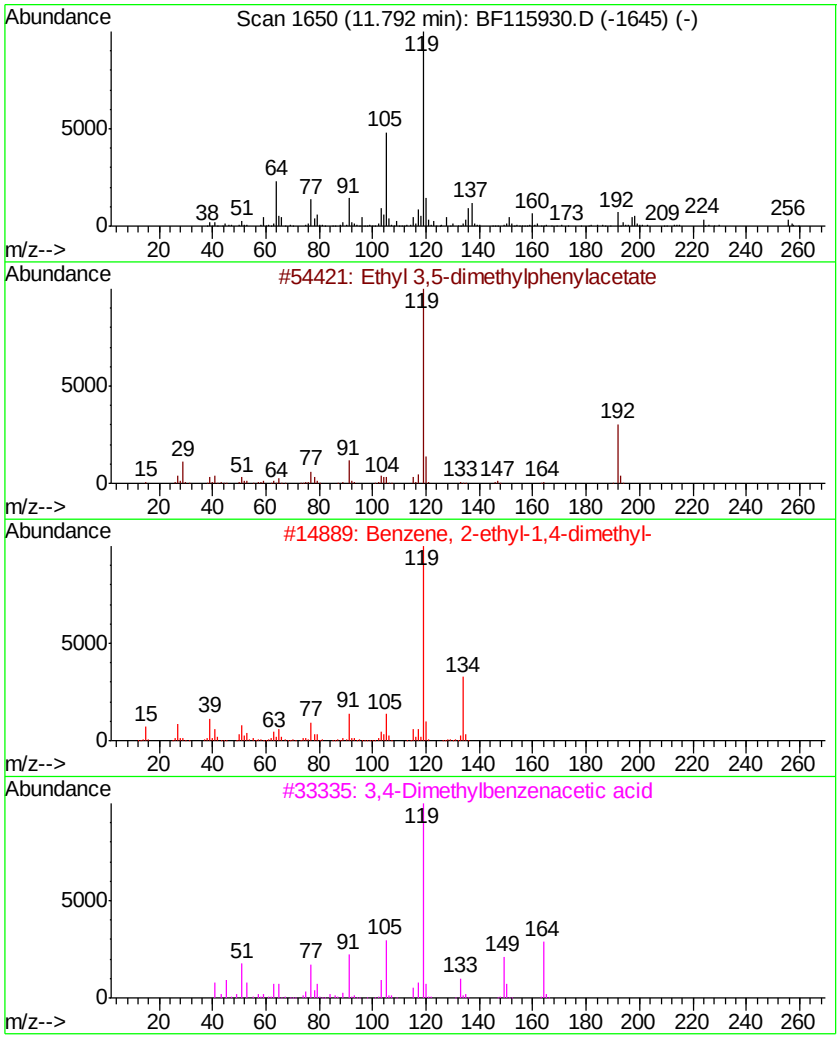
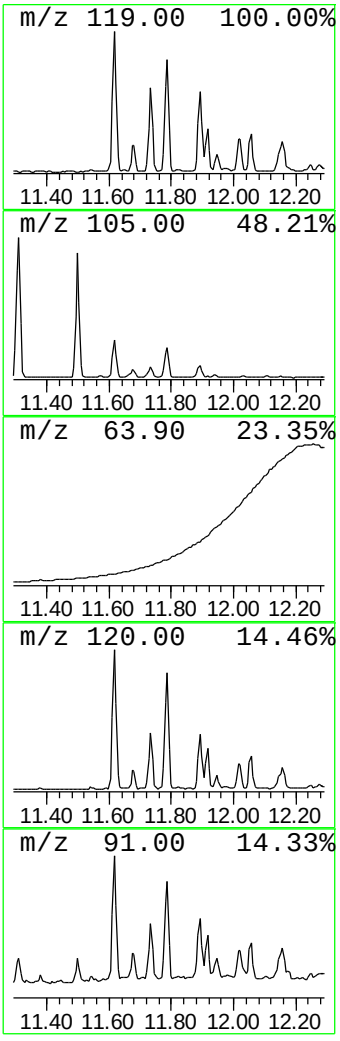
Peak Number 17 Ethyl 3,5-dimethylphenylace... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	13.17 ng	684300	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl 3,5-dimethylphenylacetate	192	C12H16O2	105337-18-6	68
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64
3	3,4-Dimethylbenzenacetic acid	164	C10H12O2	017283-16-8	64
4	2,4-Dimethylbenzyl chloride	154	C9H11Cl	000824-55-5	62
5	Benzene, 1-ethyl-4-(2-methylprop...	162	C12H18	100319-40-2	59





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Instrument : BNA_F
ClientSampleId : WC-01

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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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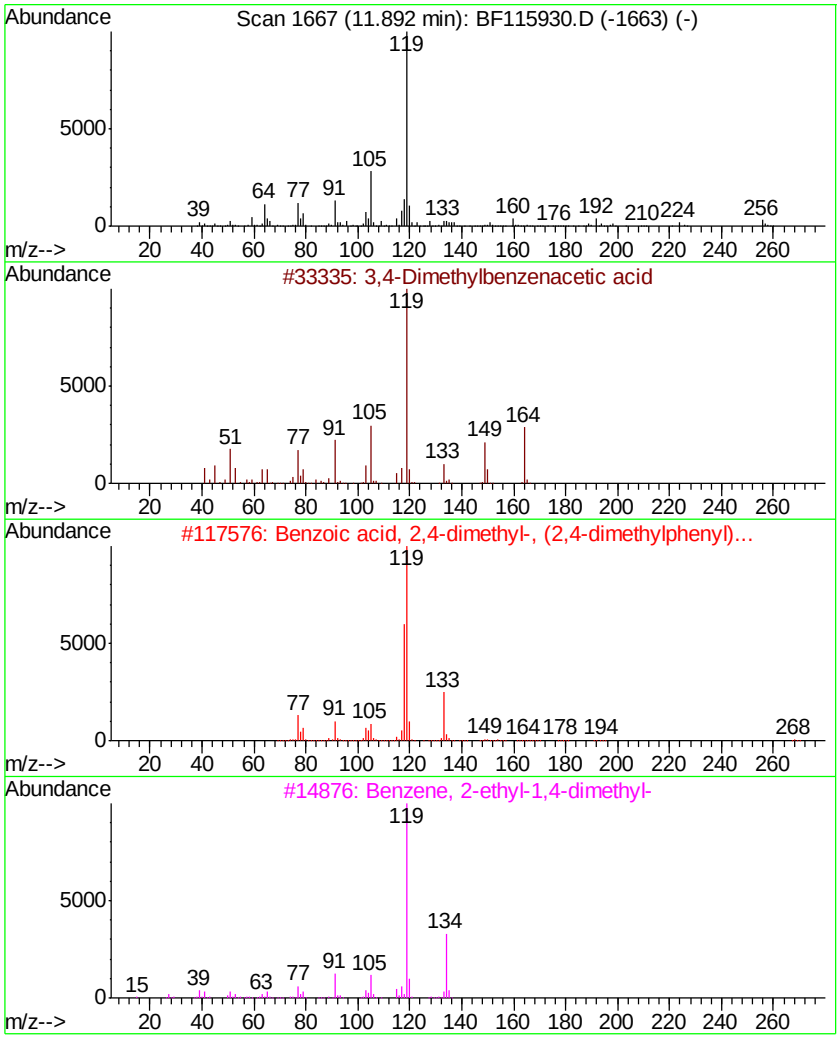
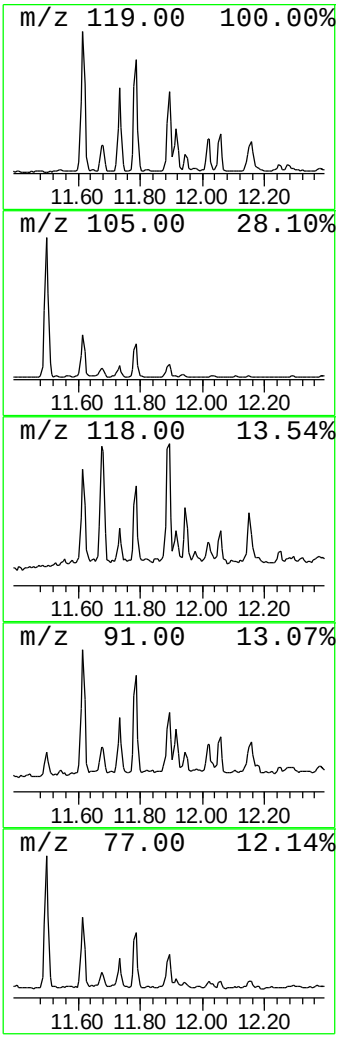
Peak Number 18 3,4-Dimethylbenzenacetic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	11.18 ng	581326	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylbenzenacetic acid	164	C10H12O2	017283-16-8	59
2	Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	53
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	53
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	52
5	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115930.D
Acq On : 2 Aug 2019 1:55
Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

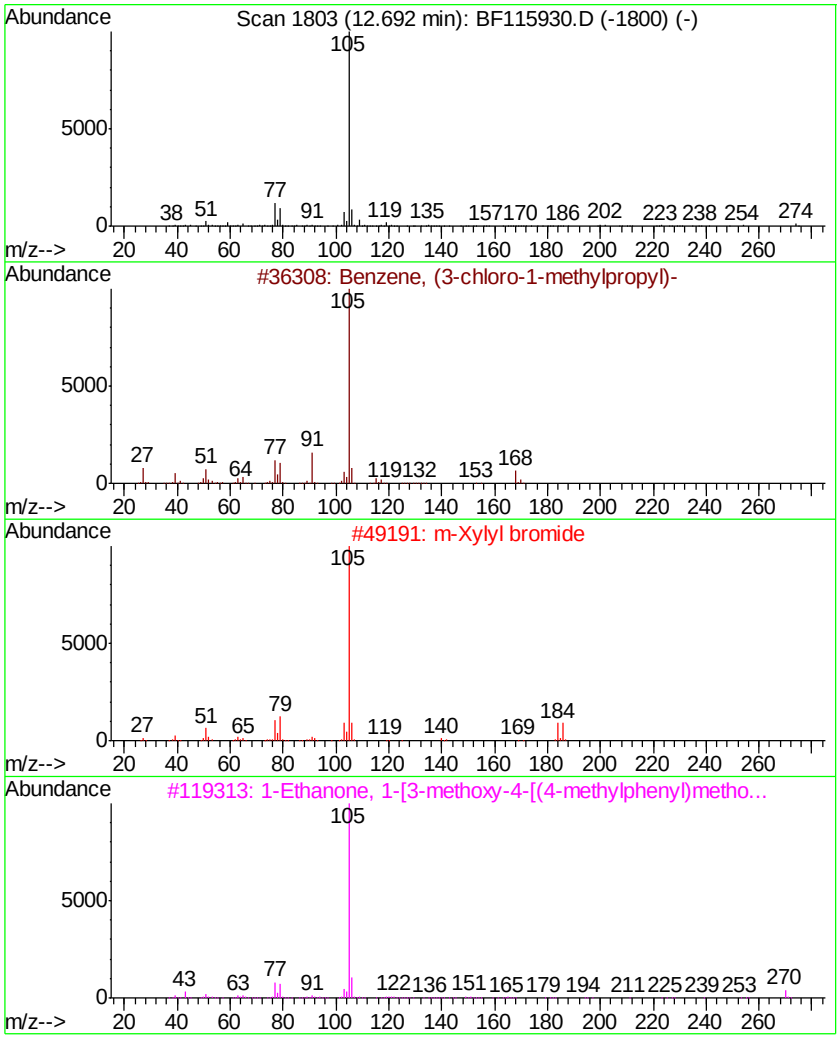
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

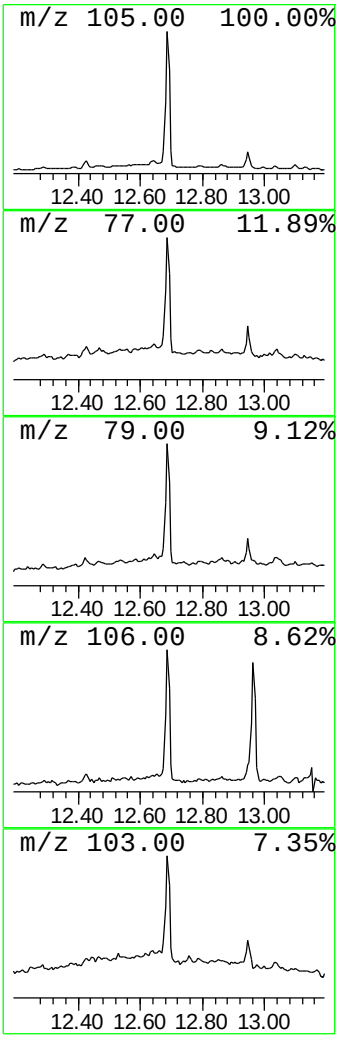
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, (3-chloro-1-methyl... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	6.70 ng	348058	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-chloro-1-methylpropyl)-	168	C10H13Cl	013556-61-1	72
2	m-Xylyl bromide	184	C8H9Br	000620-13-3	72
3	1-Ethanone, 1-[3-methoxy-4-[(4-m...	270	C17H18O3	1000338-24-2	72
4	Benzene, 1,1'-(1,2-ethanediyl)bi...	210	C16H18	000538-39-6	72
5	Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115930.D
Acq On : 2 Aug 2019 1:55
Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

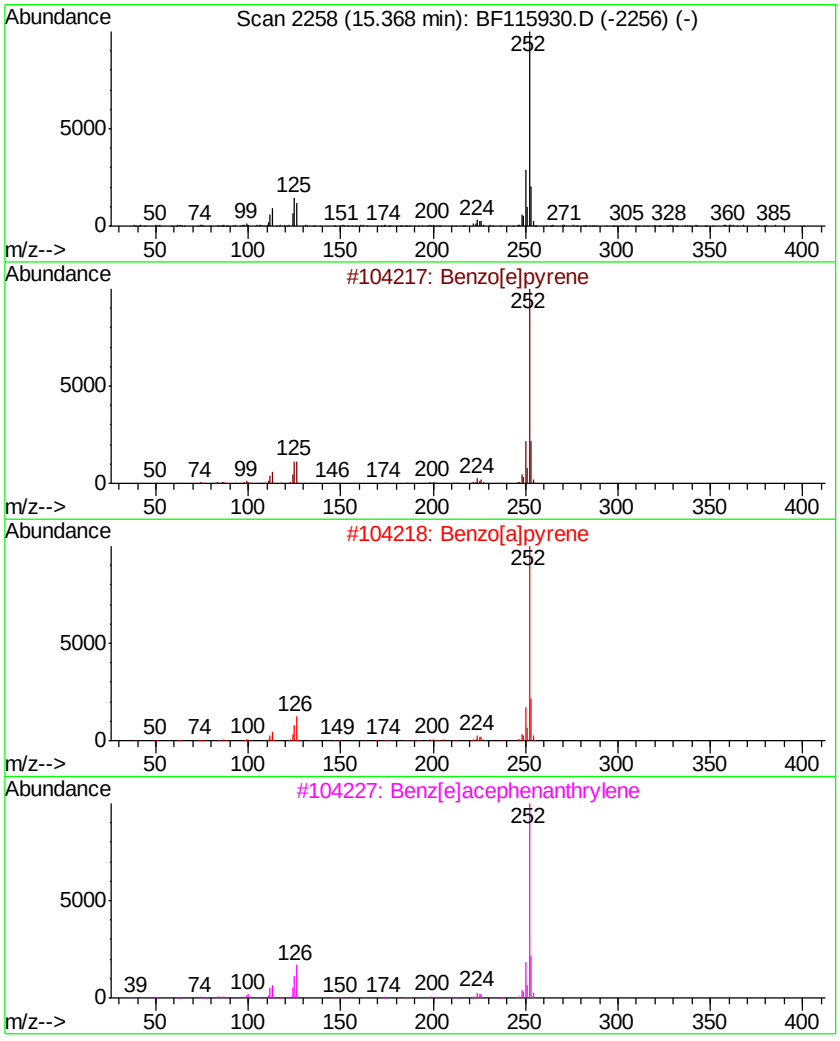
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

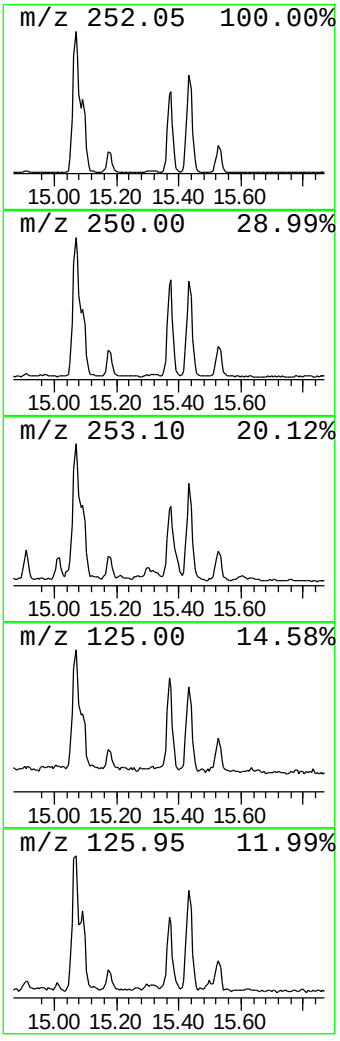
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	7.19 ng	288394	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080119\
Data File : BF115930.D
Acq On : 2 Aug 2019 1:55
Operator : HP/JU
Sample : K4106-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
1,3,5,7-Cycloocta...	5.69	55.4	ng	2658170	1	6.85	960228	20.0
.alpha.-Methylsty...	6.57	5.6	ng	268223	1	6.85	960228	20.0
unknown6.62	6.62	24.7	ng	1183990	1	6.85	960228	20.0
Benzene, 1-etheny...	6.69	42.0	ng	2017930	1	6.85	960228	20.0
Benzene, 1-etheny...	6.73	22.1	ng	1061880	1	6.85	960228	20.0
Indene	7.12	25.7	ng	1234310	1	6.85	960228	20.0
Benzene, (2-methy...	7.47	7.1	ng	342911	1	6.85	960228	20.0
Benzenemethanethi...	7.72	87.5	ng	5226910	2	8.13	1195220	20.0
1H-Indene, 1-methyl-	7.93	6.0	ng	361209	2	8.13	1195220	20.0
p-Cymene	8.35	44.8	ng	2676040	2	8.13	1195220	20.0
o-Cymene	8.41	47.4	ng	2834170	2	8.13	1195220	20.0
Benzene, (2-bromo...	8.84	15.0	ng	897975	2	8.13	1195220	20.0
Oxirane, 2-methyl...	9.34	13.9	ng	853888	3	9.89	1229860	20.0
Ethane, 1-(9-bora...	11.31	16.6	ng	860484	4	11.38	1039530	20.0
Benzene, 2-ethyl-...	11.62	14.1	ng	733061	4	11.38	1039530	20.0
Ethyl 3,5-dimethy...	11.79	13.2	ng	684300	4	11.38	1039530	20.0
3,4-Dimethylbenze...	11.89	11.2	ng	581326	4	11.38	1039530	20.0
Benzene, (3-chlor...	12.69	6.7	ng	348058	4	11.38	1039530	20.0
Benzo[e]pyrene	15.37	7.2	ng	288394	6	15.50	802161	20.0