LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117535.D
Acq On : 25 Oct 2019 14:52
Operator : JU
Sample : K5502-15
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 178-02-(0-2.3)

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-BF101819.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	5.351	552	555	576	rBV	705207	806369	80.83%	6.150%
2	5.557	586	590	603	rBV	80464	100836	10.11%	0.769%
3	6.381	726	730	738	rBV	892450	894948	89.71%	6.826%
4	6.439	738	740	747	rVV	49099	57789	5.79%	0.441%
5	6.504	747	751	757	rVV	1067889	930466	93.27%	7.096%
6	6.563	757	761	766	rVV	177770	191262	19.17%	1.459%
7	6.604	766	768	776	rVB	73663	72640	7.28%	0.554%
8	6.728	786	789	798	rBV	251423	217346	21.79%	1.658%
9	6.881	812	815	827	rVB	740705	677369	67.90%	5.166%
10	6.987	830	833	843	rBV	201997	232679	23.32%	1.775%
11	7.234	871	875	878	rBV	41683	33628	3.37%	0.256%
12	7.292	882	885	892	rVV	565423	568227	56.96%	4.334%
13	7.345	892	894	899	rVV2	51968	69618	6.98%	0.531%
14	7.392	899	902	907	rVB	28384	29600	2.97%	0.226%
15	7.534	922	926	928	rBV2	13837	14873	1.49%	0.113%
16	7.581	928	934	941	rBV	161011	198971	19.95%	1.517%
17	7.763	960	965	968	rBV	123170	123548	12.38%	0.942%
18	7.810	968	973	980	rVV	195477	254009	25.46%	1.937%
19	7.881	983	985	991	rVB3	18638	22476	2.25%	0.171%
20	8.010	1003	1007	1014	rBV	305484	297011	29.77%	2.265%
21	8.228	1040	1044	1050	rBV	206862	189902	19.04%	1.448%
22	8.286	1050	1054	1060	rBV	201191	204795	20.53%	1.562%
23	8.469	1081	1085	1090	rVB2	10755	16644	1.67%	0.127%
24	8.516	1090	1093	1095	rBV	14643	15241	1.53%	0.116%
25	8.710	1123	1126	1135	rBV	200953	214437	21.50%	1.635%
26	8.781	1135	1138	1142	rVV	64440	49304	4.94%	0.376%
27	8.822	1142	1145	1148	rBV	30054	23213	2.33%	0.177%
28	8.892	1154	1157	1160	rBV	34280	27310	2.74%	0.208%
29	8.922	1160	1162	1164	rVB	15831	12427	1.25%	0.095%
30	9.004	1173	1176	1180	rBV	56471	49645	4.98%	0.379%
31	9.080	1184	1189	1199	rBV	1139632	997594	100.00%	7.608%
32	9.210	1207	1211	1214	rBV	95540	110791	11.11%	0.845%
33	9.233	1214	1215	1222	rVV	52458	56709	5.68%	0.433%
34	9.292	1222	1225	1228	rVV	42409	35726	3.58%	0.272%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
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Acq On : 25 Oct 2019 14:52
Operator : JU
Sample : K5502-15
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 178-02-(0-2.3)

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-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.322	1228	1230	1234	rVV	36617	33473	3.36%	0.255%
36	9.375	1236	1239	1245	rVB	51744	46706	4.68%	0.356%
37	9.422	1245	1247	1251	rBV2	14208	12615	1.26%	0.096%
38	9.480	1253	1257	1262	rBV	168146	162678	16.31%	1.241%
39	9.704	1291	1295	1297	rBV	58582	62766	6.29%	0.479%
40	9.727	1297	1299	1301	rVV	56379	58203	5.83%	0.444%
41	9.757	1301	1304	1308	rVV	384149	378938	37.99%	2.890%
42	9.792	1308	1310	1318	rVB	48775	58462	5.86%	0.446%
43	9.933	1331	1334	1338	rVB2	24387	25124	2.52%	0.192%
44	10.098	1360	1362	1367	rBV6	7954	11182	1.12%	0.085%
45	10.180	1374	1376	1381	rVB5	9847	11341	1.14%	0.086%
46	10.310	1395	1398	1403	rVB2	16916	19060	1.91%	0.145%
47	10.551	1436	1439	1447	rBV	635365	599165	60.06%	4.570%
48	11.104	1529	1533	1537	rBV6	10948	17635	1.77%	0.134%
49	11.245	1554	1557	1559	rBV	380858	325314	32.61%	2.481%
50	11.269	1559	1561	1565	rVV	168327	148311	14.87%	1.131%
51	11.327	1568	1571	1574	rVB	23963	24562	2.46%	0.187%
52	11.486	1594	1598	1605	rBV3	20906	31321	3.14%	0.239%
53	11.751	1640	1643	1645	rBV	21981	21253	2.13%	0.162%
54	11.774	1645	1647	1654	rVB2	129729	127877	12.82%	0.975%
55	11.863	1659	1662	1664	rVV	20708	17823	1.79%	0.136%
56	12.298	1733	1736	1739	rBV2	14753	15940	1.60%	0.122%
57	12.327	1739	1741	1744	rVV4	9539	11547	1.16%	0.088%
58	12.463	1760	1764	1769	rBV	197809	190698	19.12%	1.454%
59	12.557	1777	1780	1787	rBV2	85002	86774	8.70%	0.662%
60	12.692	1797	1803	1810	rVB	150759	176362	17.68%	1.345%
61	12.827	1822	1826	1829	rBV	875185	745525	74.73%	5.686%
62	12.910	1836	1840	1845	rBV7	11847	20906	2.10%	0.159%
63	13.004	1853	1856	1857	rBV3	10493	11380	1.14%	0.087%
64	13.021	1857	1859	1862	rVB	20921	18676	1.87%	0.142%
65	13.051	1862	1864	1868	rBV5	10268	12033	1.21%	0.092%
66	13.127	1874	1877	1882	rVB3	17081	23505	2.36%	0.179%
67	13.545	1945	1948	1953	rVB3	11437	14070	1.41%	0.107%
68	13.645	1963	1965	1967	rBV3	13139	14631	1.47%	0.112%
69	13.733	1976	1980	1989	rVB5	107630	207895	20.84%	1.586%
70	13.892	2002	2007	2009	rBV2	250987	308335	30.91%	2.352%
71	13.915	2009	2011	2016	rVB	72791	71949	7.21%	0.549%

LSC Area Percent Report

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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 178-02-(0-2.3)

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
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.039	2028	2032	2036	rBV3	24737	30647	3.07%	0.234%
73	14.280	2071	2073	2077	rVB2	16640	16076	1.61%	0.123%
74	14.345	2081	2084	2087	rVV	45817	43714	4.38%	0.333%
75	14.398	2088	2093	2101	rVB	93012	111125	11.14%	0.848%
76	14.639	2131	2134	2139	rVB	67845	68639	6.88%	0.523%
77	14.921	2177	2182	2184	rBV	57531	82136	8.23%	0.626%
78	14.957	2184	2188	2191	rVV2	85213	121428	12.17%	0.926%
79	14.992	2191	2194	2197	rVV3	22578	31883	3.20%	0.243%
80	15.027	2197	2200	2204	rVB2	15944	20178	2.02%	0.154%
81	15.086	2206	2210	2213	rVB6	10185	14618	1.47%	0.111%
82	15.204	2227	2230	2236	rVB	30708	42669	4.28%	0.325%
83	15.268	2237	2241	2244	rBV	39227	46192	4.63%	0.352%
84	15.321	2244	2250	2255	rBV3	199769	279529	28.02%	2.132%
85	15.715	2312	2317	2325	rVB2	51157	74260	7.44%	0.566%
86	15.798	2325	2331	2339	rBV2	18631	56582	5.67%	0.432%
87	15.939	2353	2355	2359	rBV5	8470	11500	1.15%	0.088%
88	16.180	2393	2396	2401	rVB3	23127	31322	3.14%	0.239%
89	16.739	2485	2491	2500	rBV4	26779	59438	5.96%	0.453%
90	17.168	2560	2564	2571	rVB3	15068	32796	3.29%	0.250%
91	17.362	2591	2597	2600	rBV7	6876	15630	1.57%	0.119%

Sum of corrected areas: 13111800

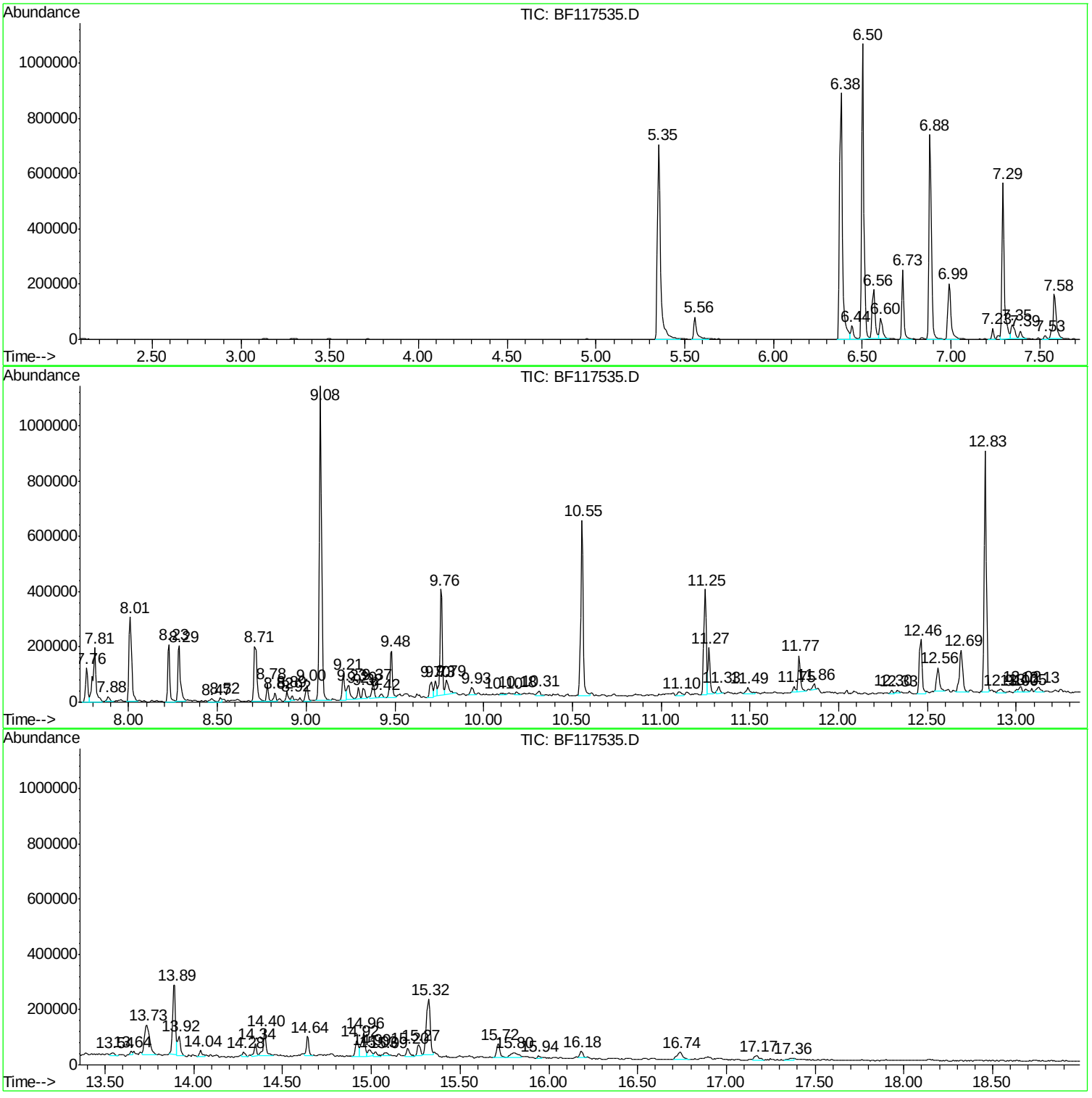
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117535.D
Acq On : 25 Oct 2019 14:52
Operator : JU
Sample : K5502-15
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
178-02-(0-2.3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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\BF102519\
Data File : BF117535.D
Acq On : 25 Oct 2019 14:52
Operator : JU
Sample : K5502-15
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 178-02-(0-2.3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

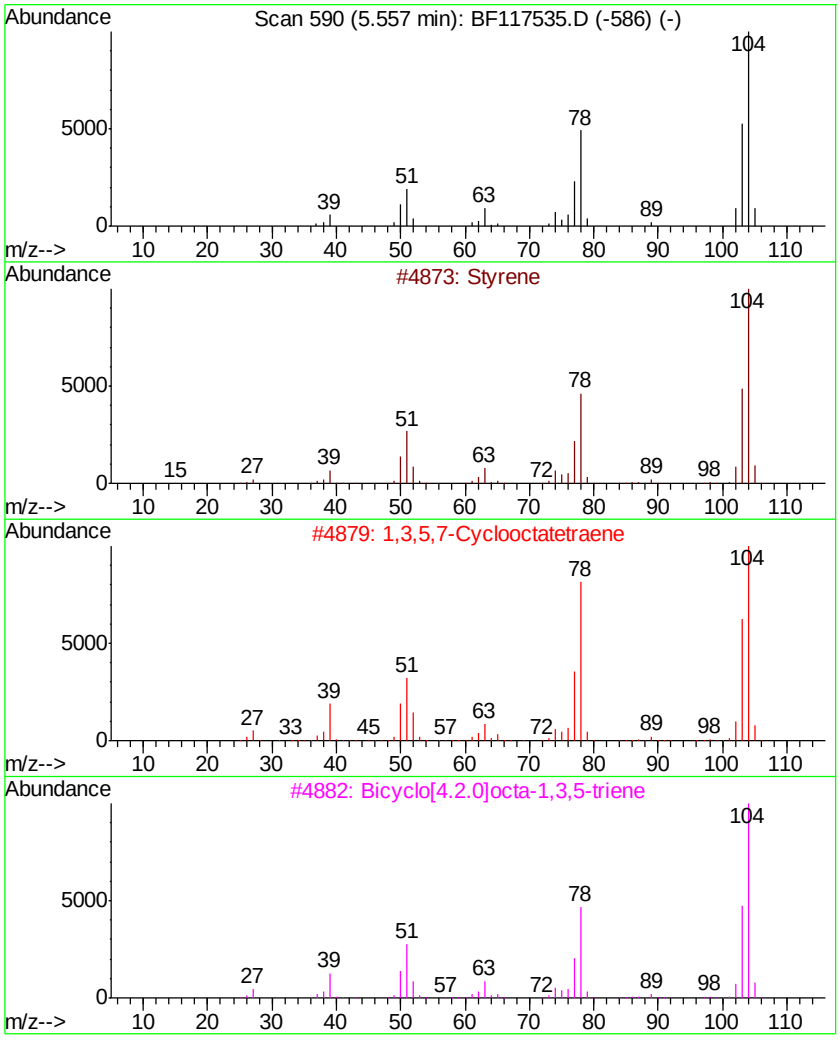
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

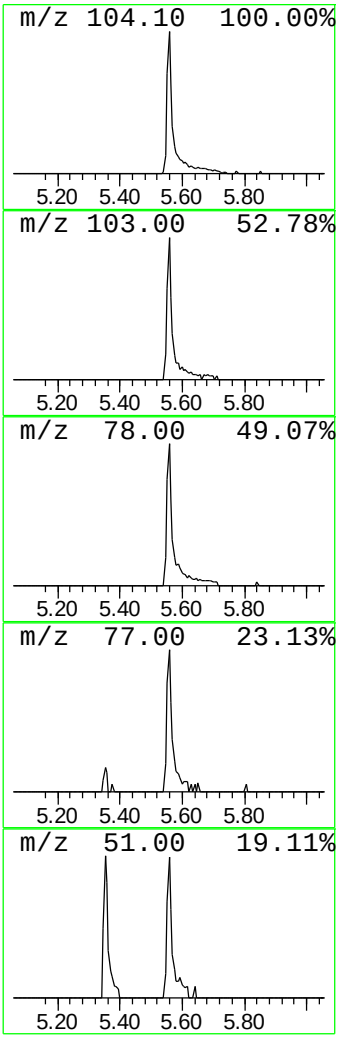
****

Peak Number 1 Styrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.56	9.28 ng	100836	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Styrene	104	C8H8	000100-42-5	95
2	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	94
3	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	90
4	Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	64
5	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117535.D
Acq On : 25 Oct 2019 14:52
Operator : JU
Sample : K5502-15
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 178-02-(0-2.3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

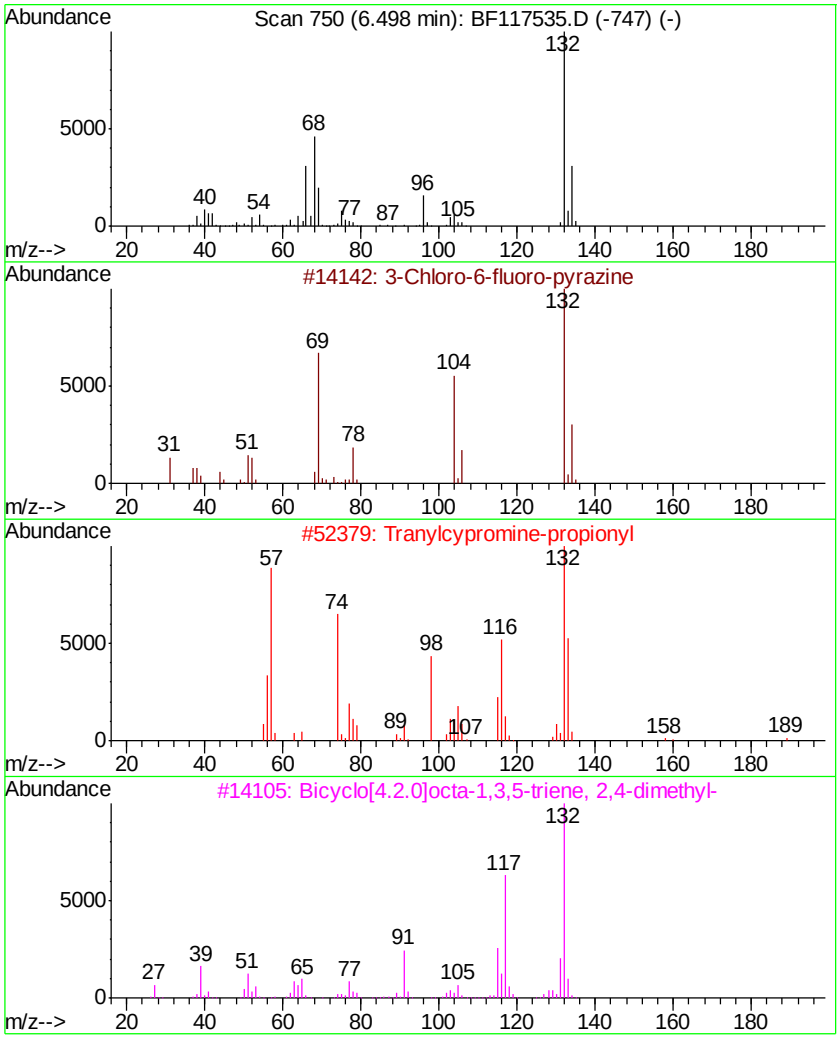
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

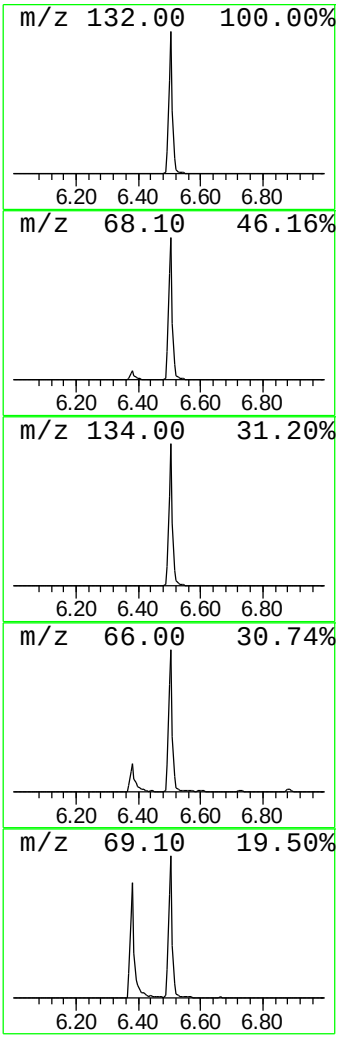
****

Peak Number 2 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	85.62 ng	930466	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Instrument : BNA_F
ClientSampleId : 178-02-(0-2.3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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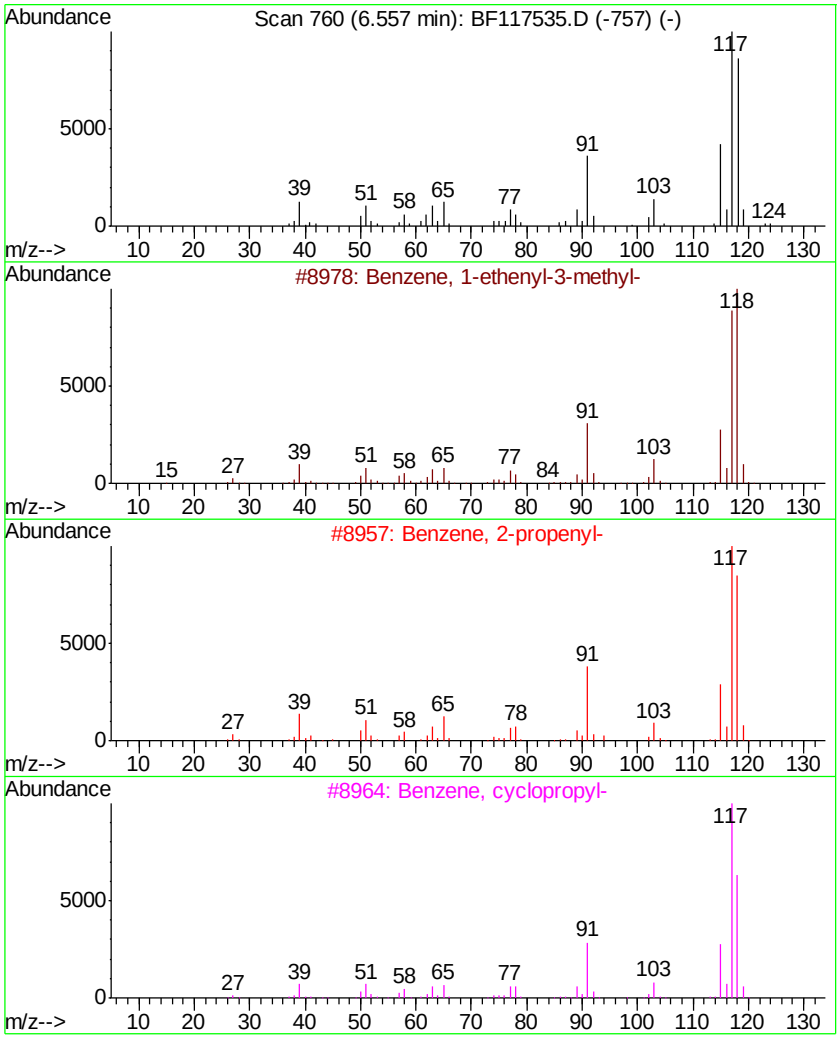
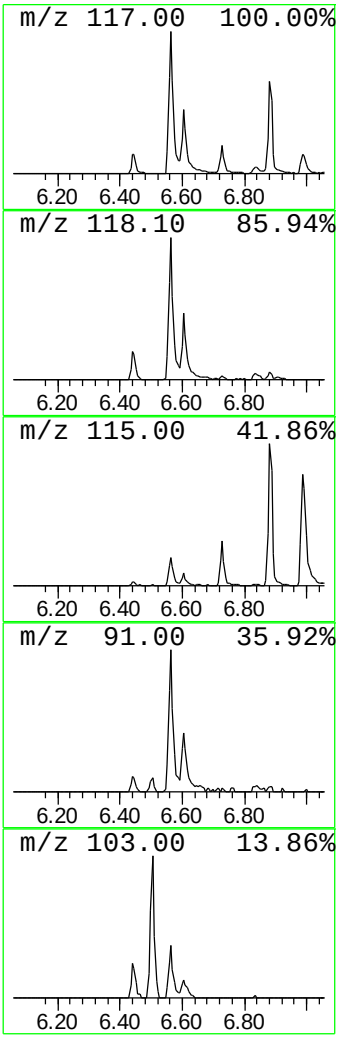
Peak Number 3 Benzene, 1-ethenyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	17.60 ng	191262	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	95
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117535.D
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Sample : K5502-15
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 178-02-(0-2.3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

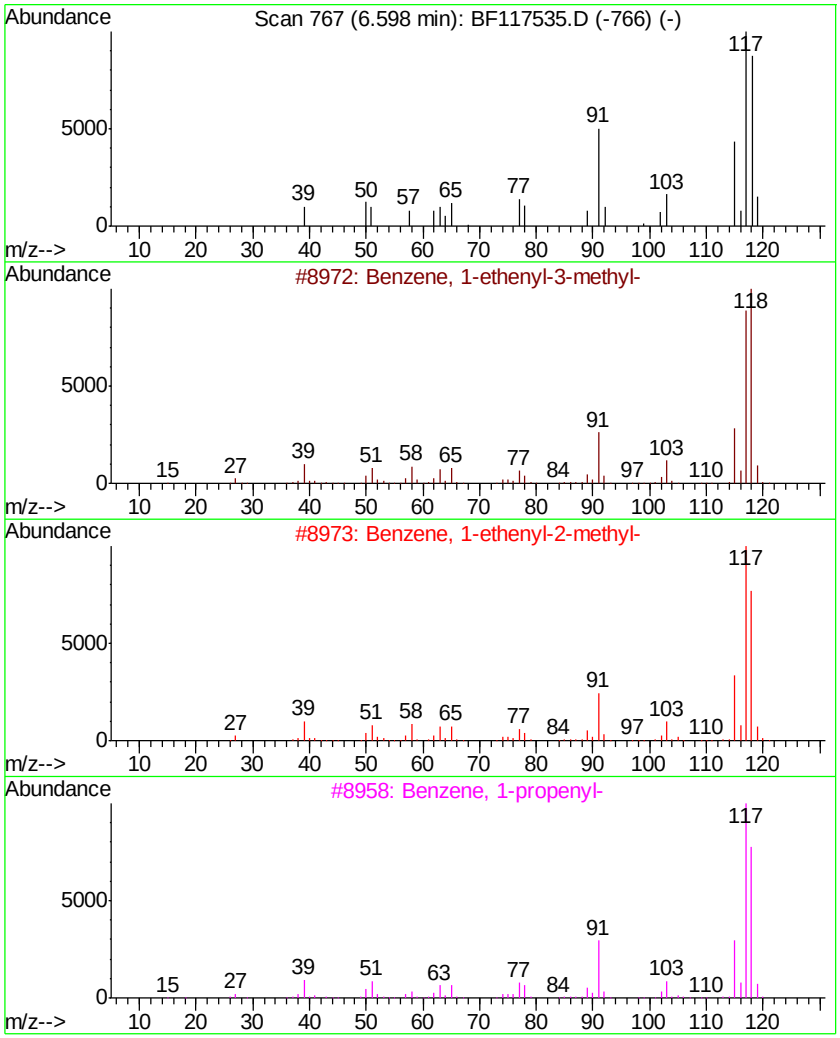
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

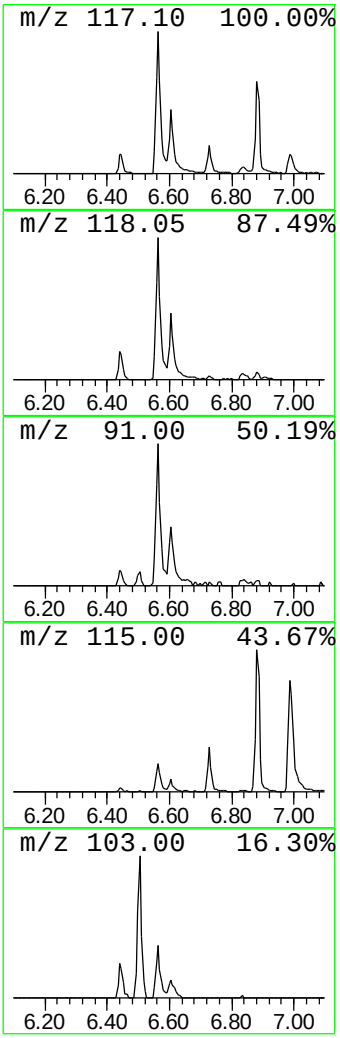
****

Peak Number 4 Benzene, 1-ethenyl-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	6.68 ng	72640	1,4-Dichlorobenzene-d4	6.73

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-2-methyl-	118	C9H10	000611-15-4	94
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117535.D
Acq On : 25 Oct 2019 14:52
Operator : JU
Sample : K5502-15
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 178-02-(0-2.3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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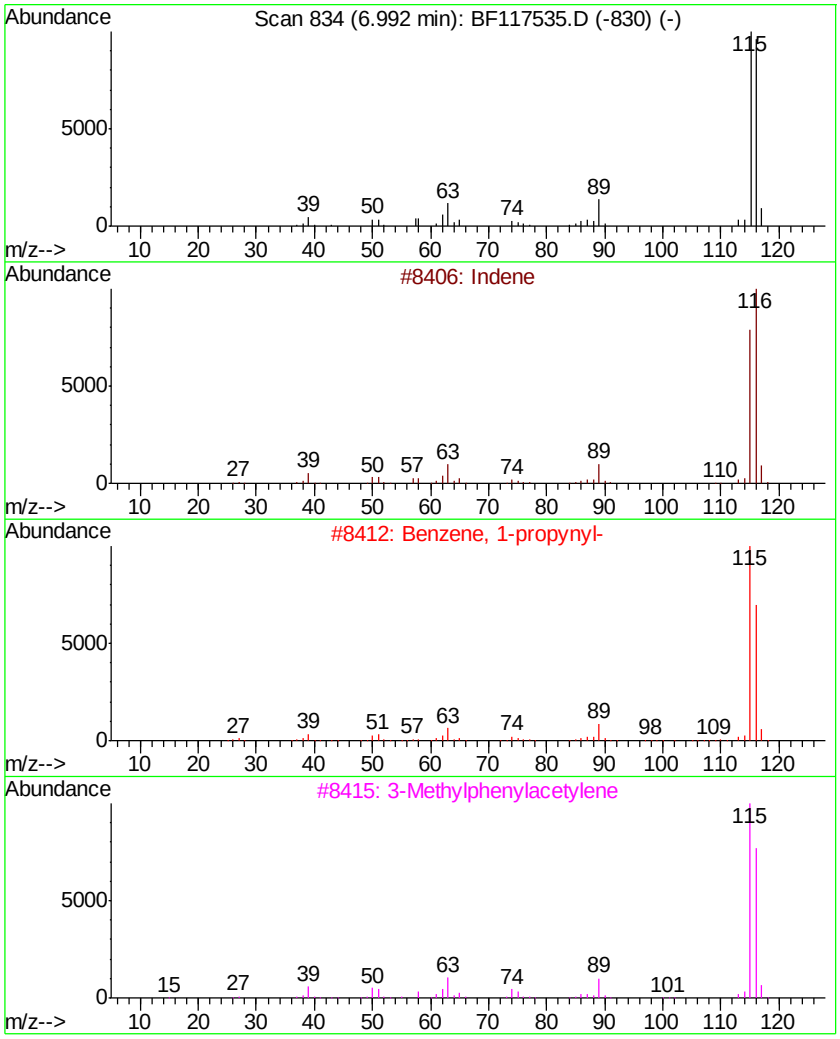
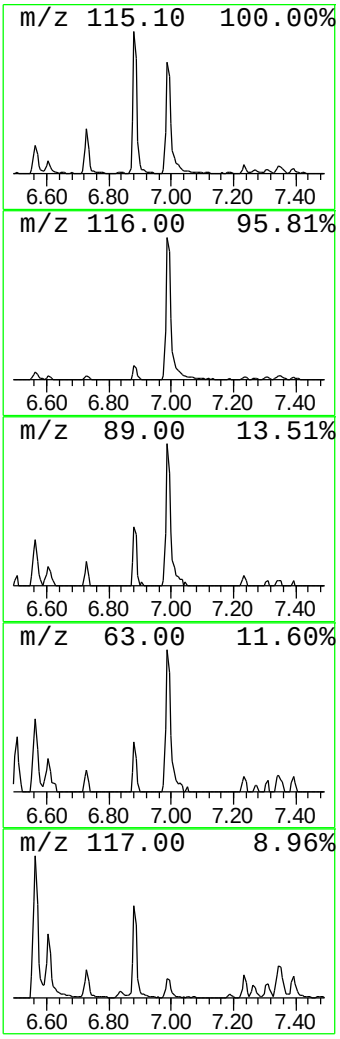
Peak Number 6 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	21.41 ng	232679	1,4-Dichlorobenzene-d4	6.73

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	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
4	2-Methylphenylacetylene	116	C9H8	000766-47-2	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117535.D
Acq On : 25 Oct 2019 14:52
Operator : JU
Sample : K5502-15
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 178-02-(0-2.3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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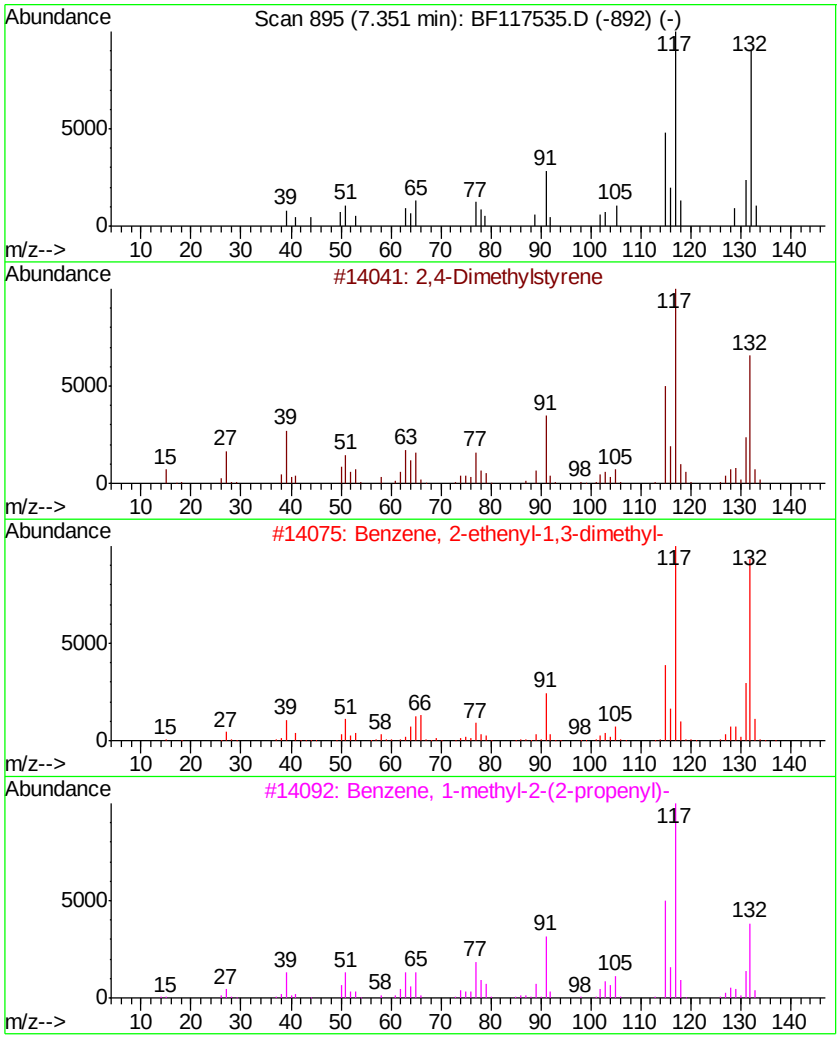
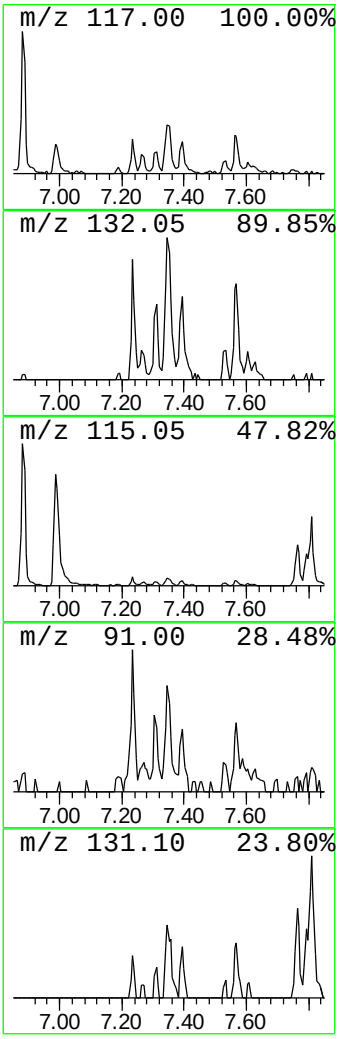
Peak Number 7 2,4-Dimethylstyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	6.41 ng	69618	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	97
2	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	97
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	96
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	96
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95





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Acq On : 25 Oct 2019 14:52
Operator : JU
Sample : K5502-15
Misc :
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Instrument : BNA_F
ClientSampleId : 178-02-(0-2.3)

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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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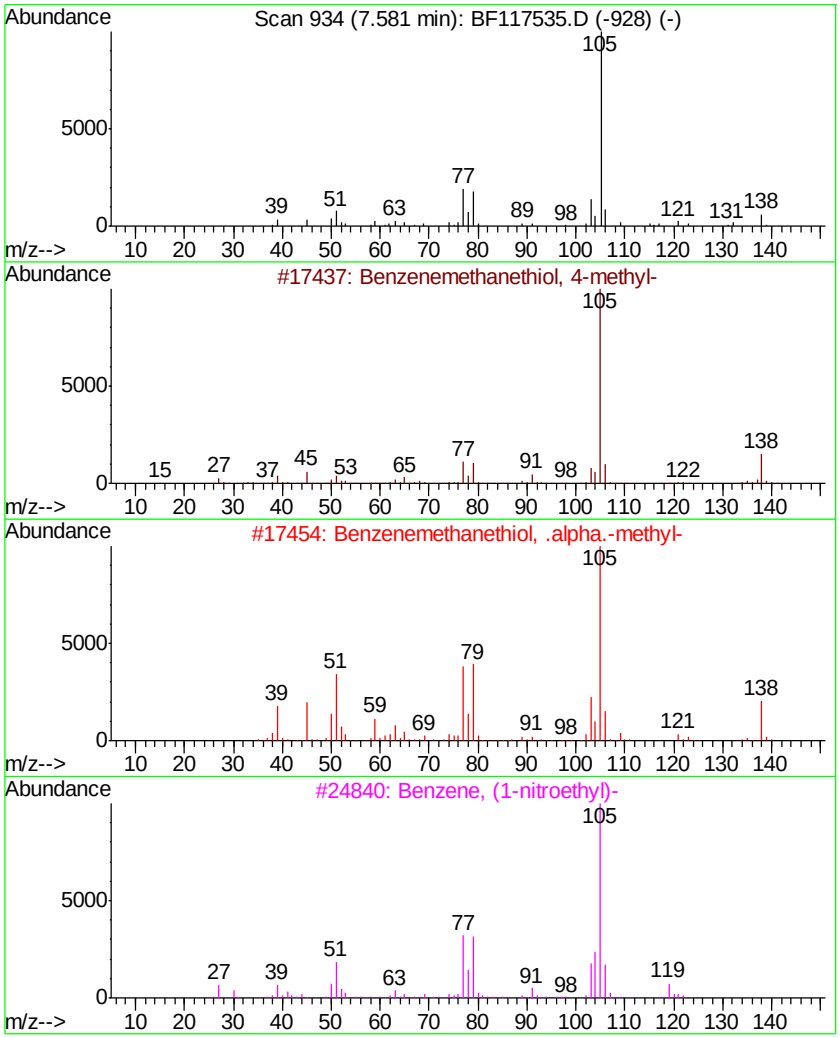
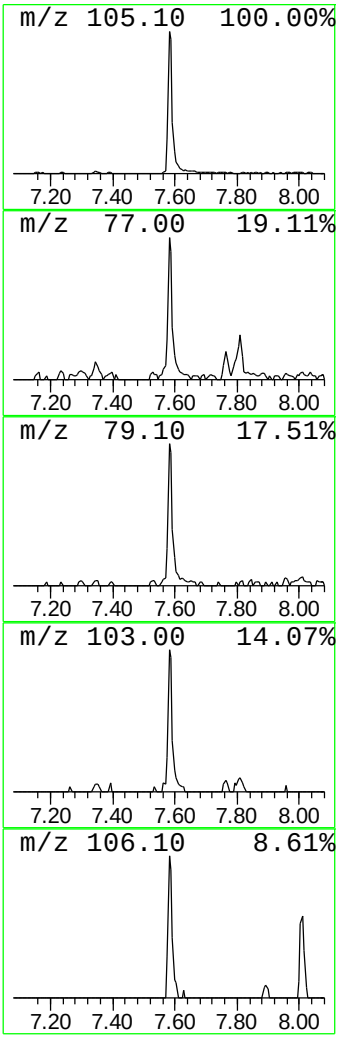
Peak Number 8 Benzenemethanethiol, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	13.40 ng	198971	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	78
2	Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	74
3	Benzene, (1-nitroethyl)-	151	C8H9NO2	007214-61-1	59
4	Ether, p-methylbenzyl vinyl	148	C10H12O	026437-10-5	59
5	Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	56





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

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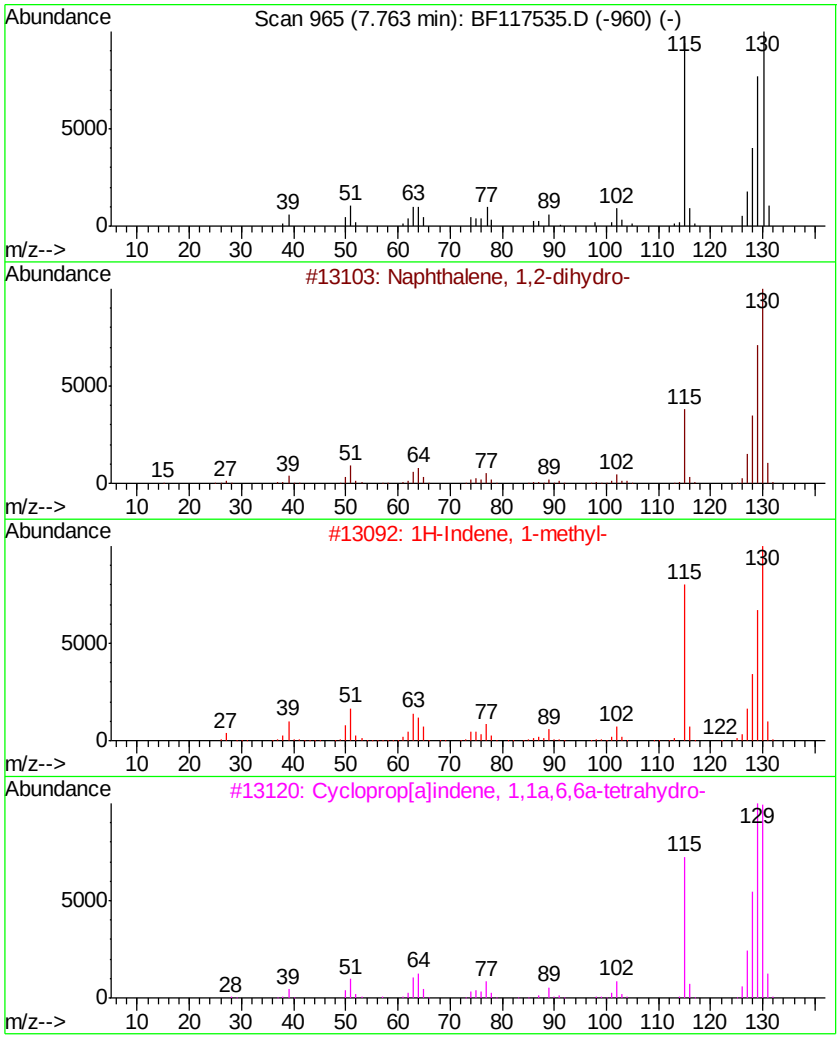
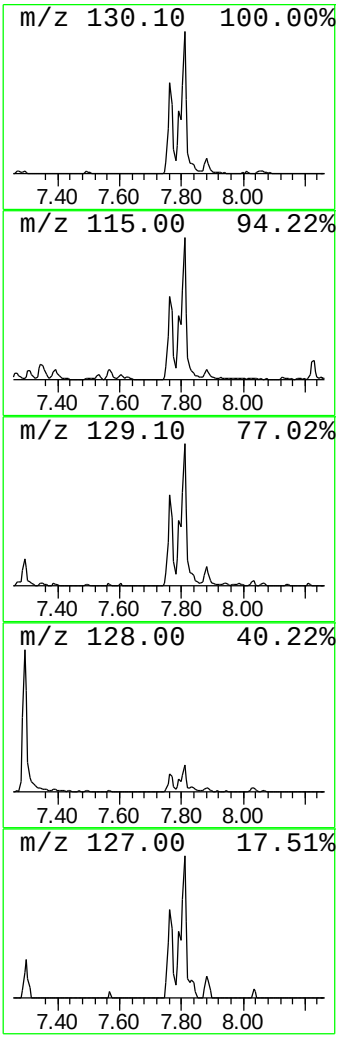
Peak Number 9 Naphthalene, 1,2-dihydro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	8.32 ng	123548	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	95
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
5	2-Methylindene	130	C10H10	002177-47-1	93





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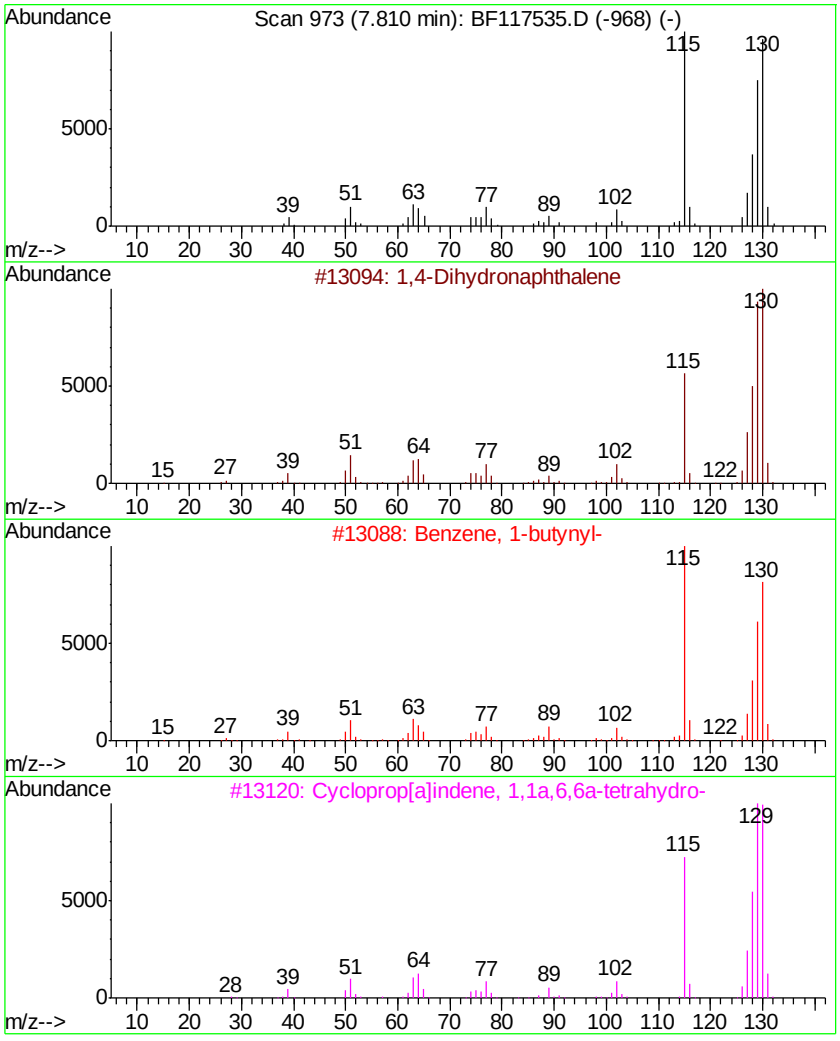
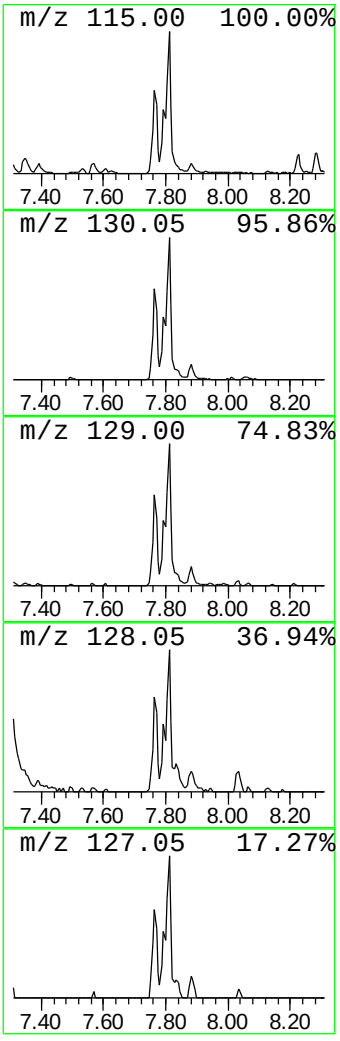
Peak Number 10 1,4-Dihydronaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	17.10 ng	254009	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	94
4	2-Methylindene	130	C10H10	002177-47-1	94
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93





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TIC Integration Parameters: LSCINT.P

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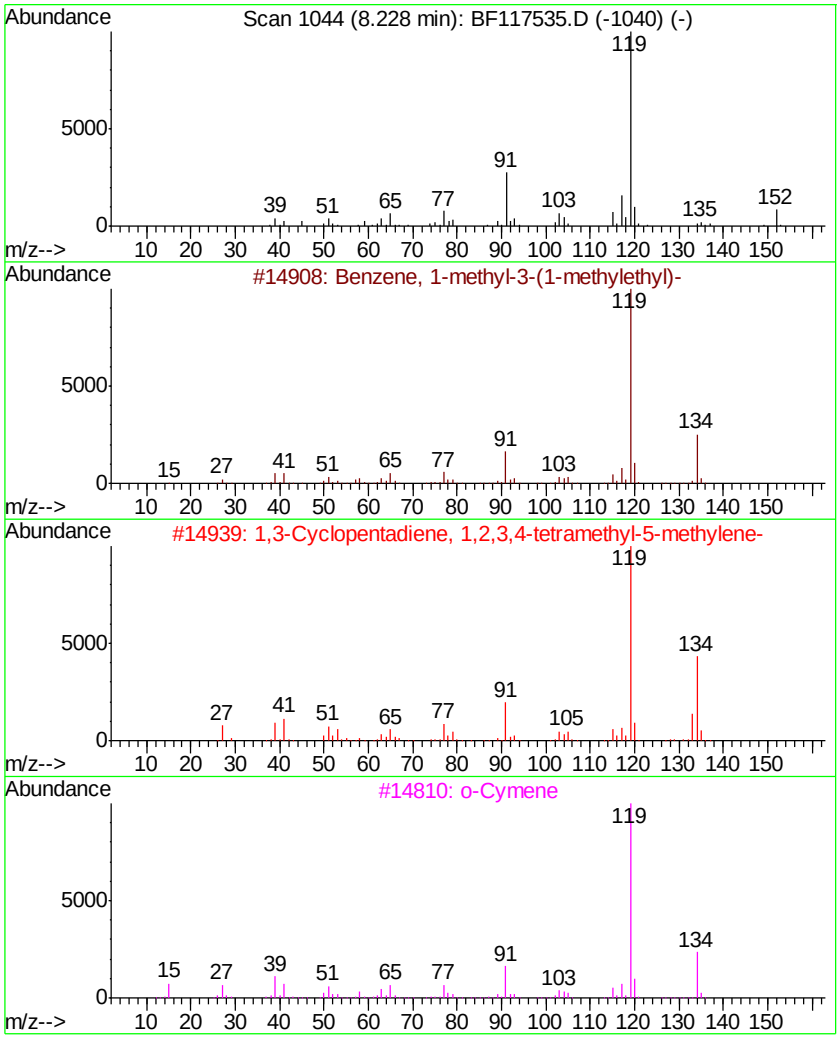
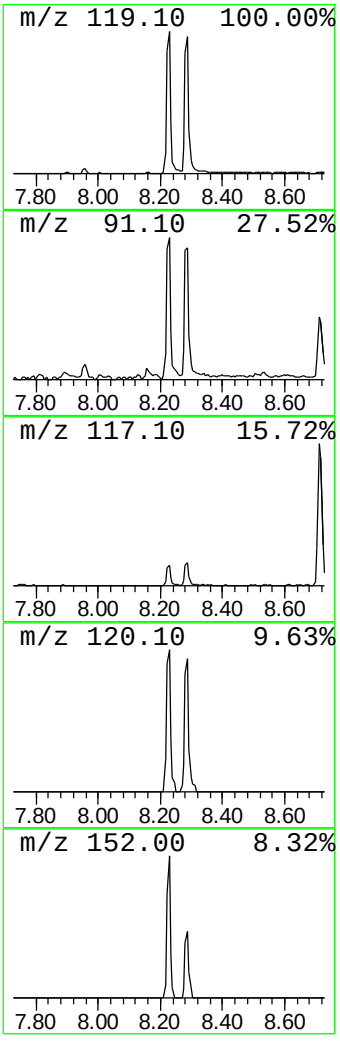
Peak Number 11 Benzene, 1-methyl-3-(1-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	12.79 ng	189902	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	87
3	o-Cymene	134	C10H14	000527-84-4	87
4	p-Cymene	134	C10H14	000099-87-6	86
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	80





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Sample : K5502-15
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 178-02-(0-2.3)

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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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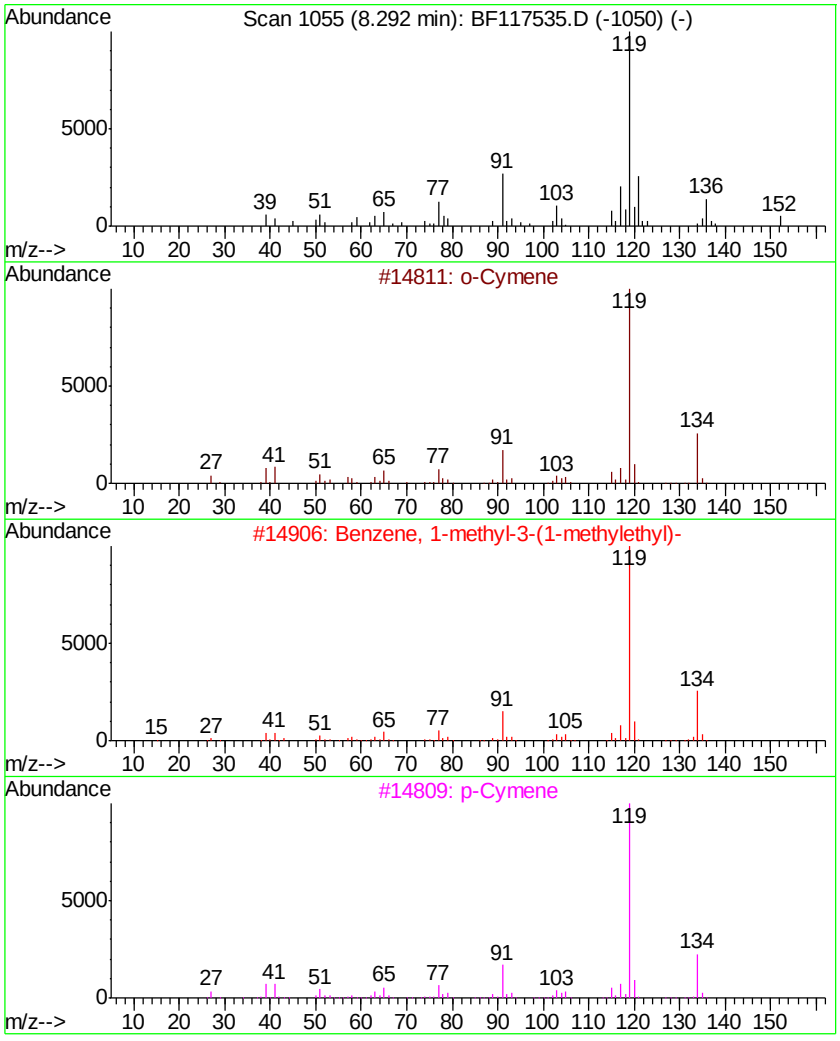
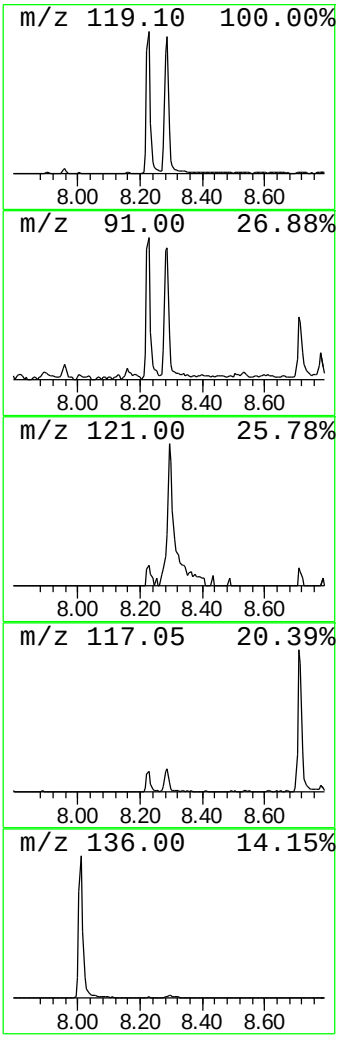
Peak Number 12 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	13.79 ng	204795	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	87
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	83
3	p-Cymene	134	C10H14	000099-87-6	83
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	80
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	80





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

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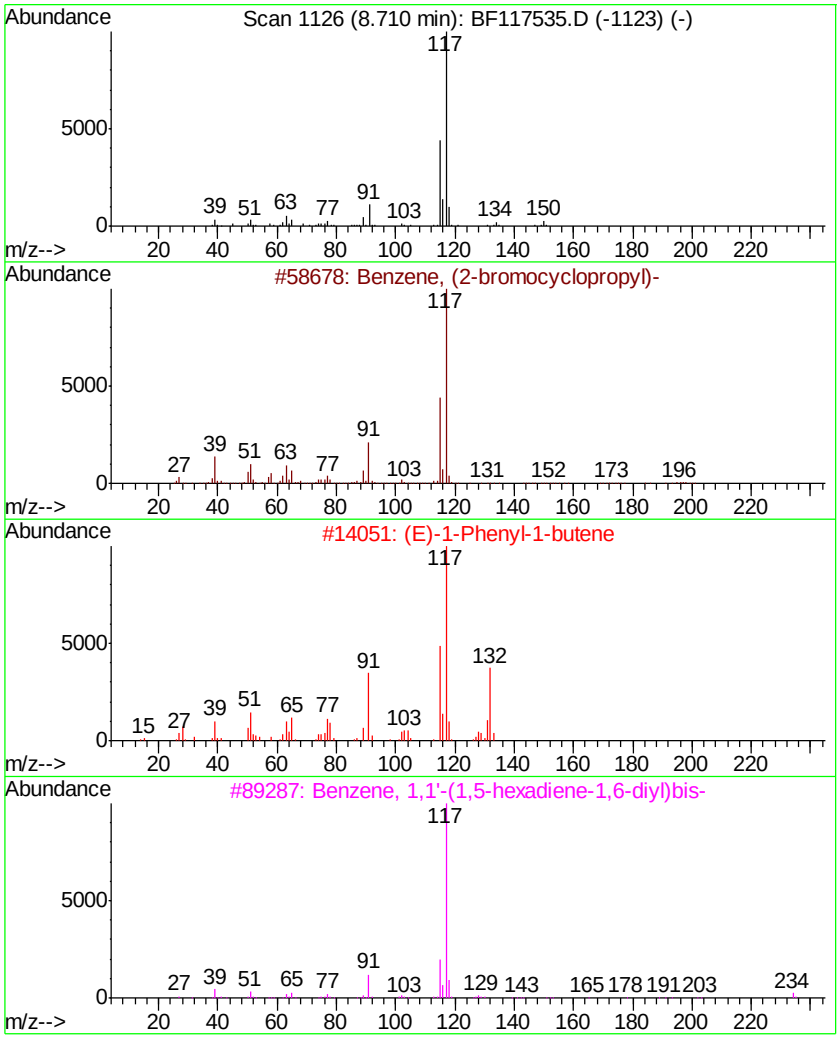
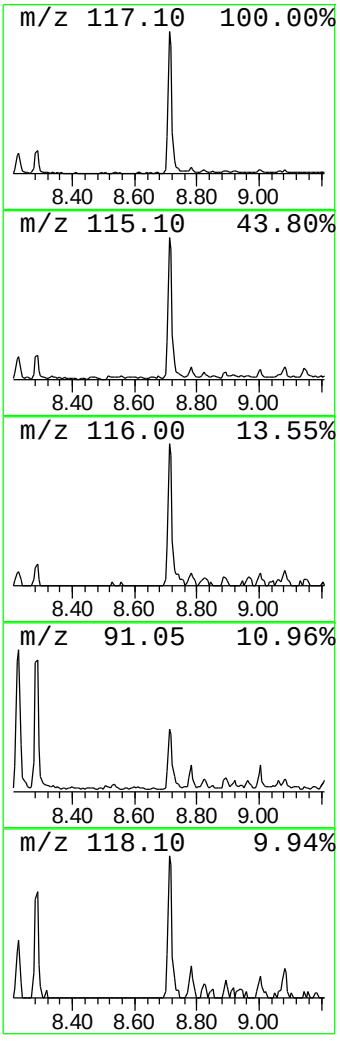
Peak Number 13 Benzene, (2-bromocyclopropyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	14.44 ng	214437	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	78
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	Benzyl nitrile	117	C8H7N	000140-29-4	49
5	m-Aminophenylacetylene	117	C8H7N	054060-30-9	47





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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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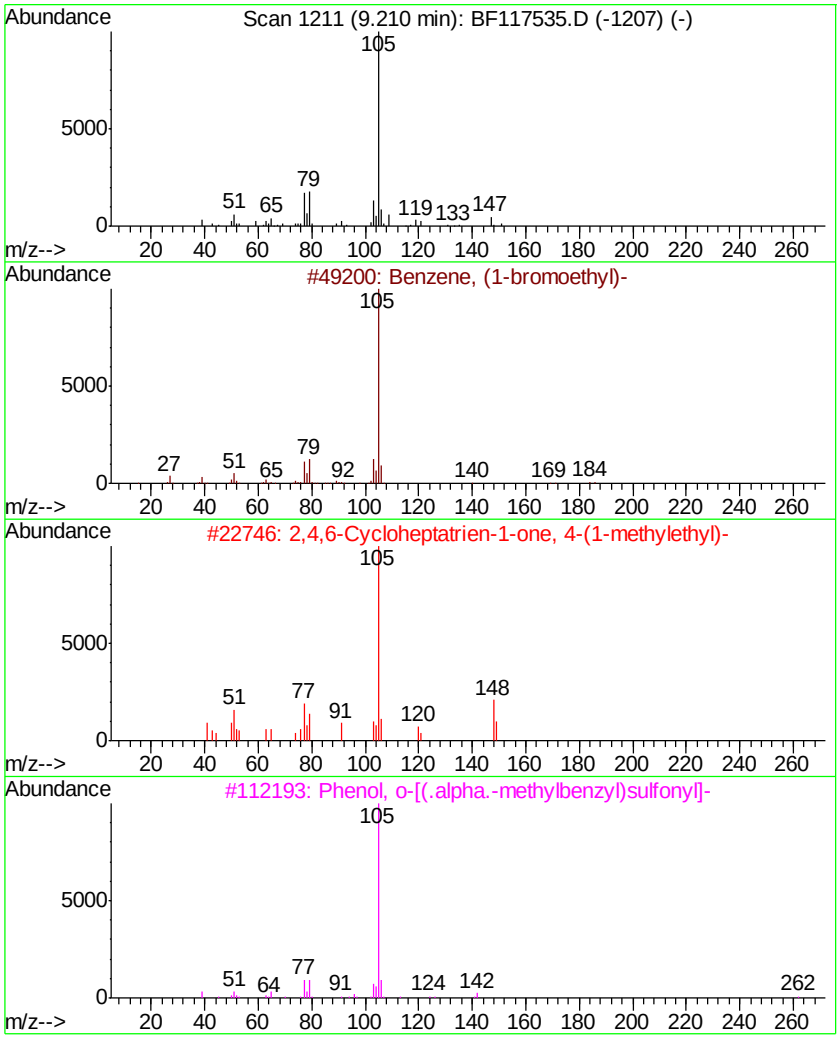
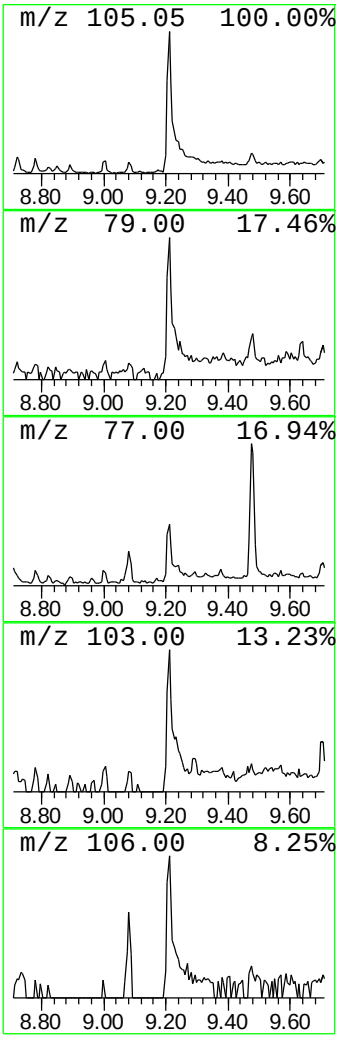
Peak Number 14 Benzene, (1-bromoethyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	5.85 ng	110791	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-bromoethyl)-	184	C8H9Br	000585-71-7	64
2	2,4,6-Cycloheptatrien-1-one, 4-(...	148	C10H12O	013656-81-0	64
3	Phenol, o-[(.alpha.-methylbenzyl...	262	C14H14O3S	029634-38-6	64
4	Benzene, (1-methyl-3-butenyl)-	146	C11H14	010340-49-5	64
5	Benzene, 1-(bromomethyl)-4-methyl-	184	C8H9Br	000104-81-4	64





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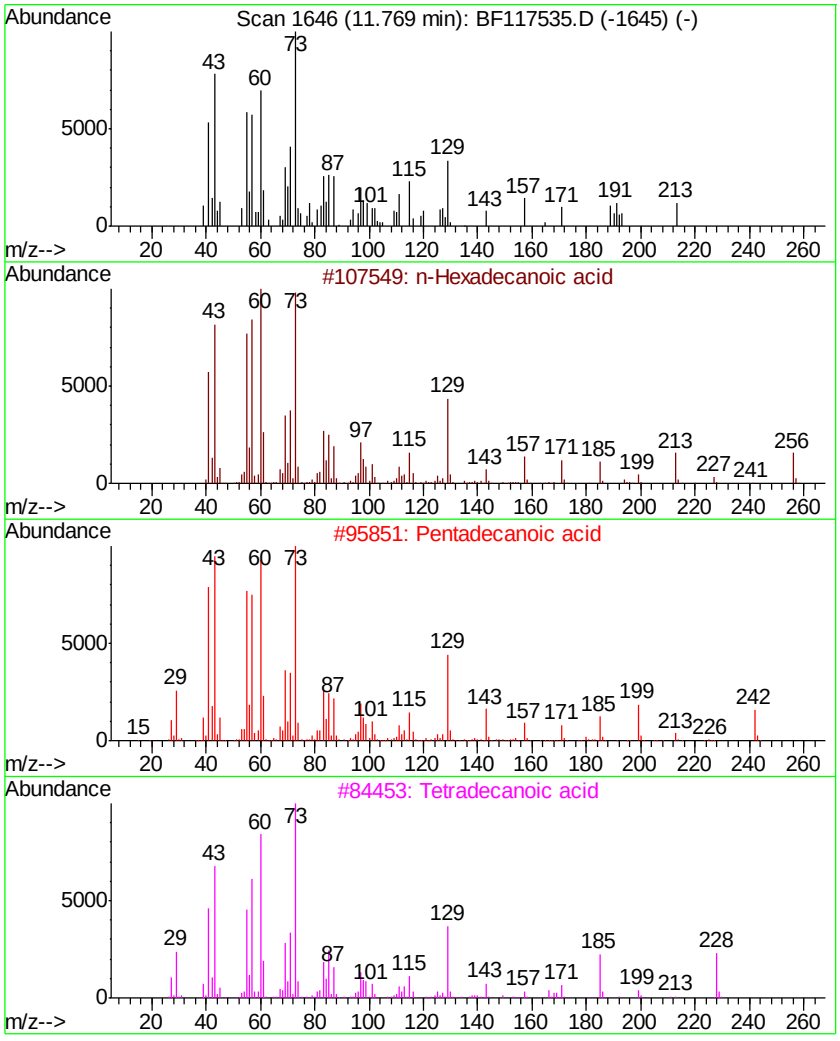
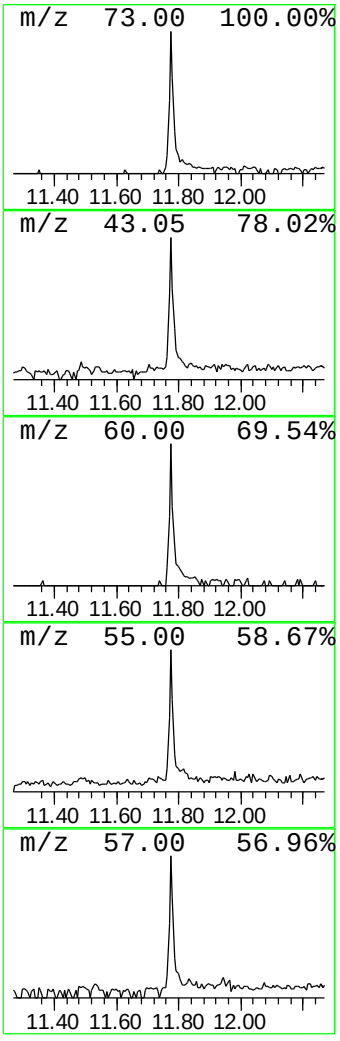
Peak Number 15 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	7.86 ng	127877	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	70
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	52
4	Oxalic acid, cyclobutyl hexadecy...	368	C22H40O4	1000309-70-6	15
5	Oxalic acid, cyclobutyl pentadec...	354	C21H38O4	1000309-70-5	15





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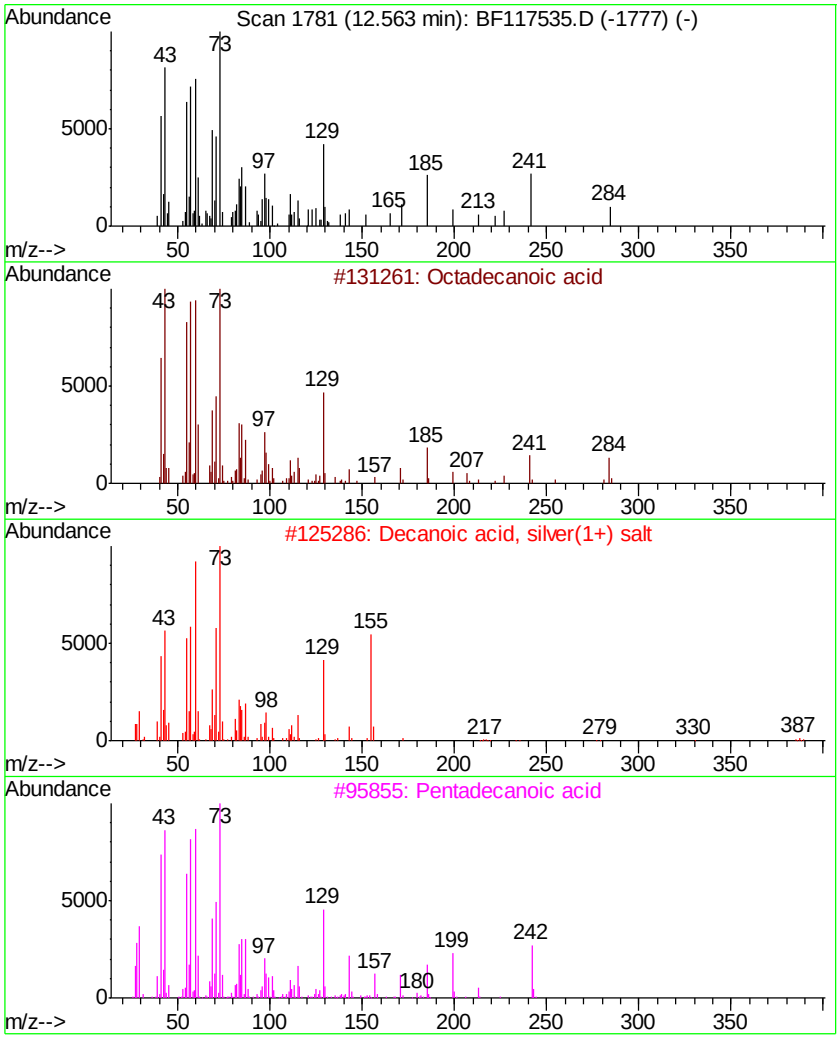
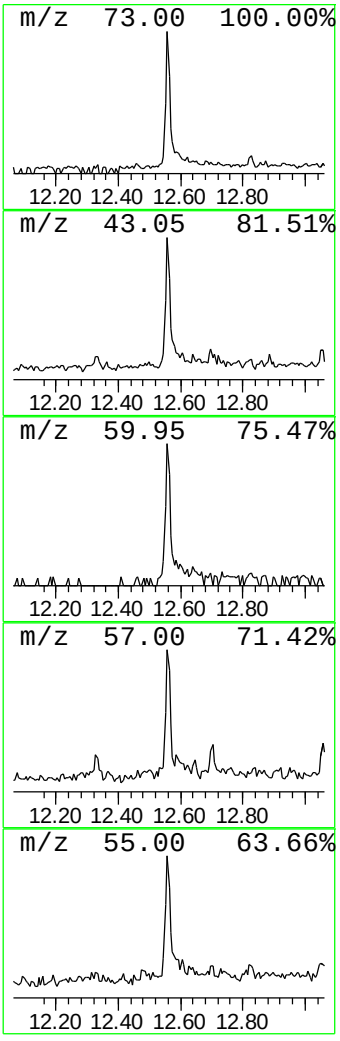
Peak Number 16 Octadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	5.33 ng	86774	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	92
2	Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	50
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	35
4	Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	25
5	Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	25





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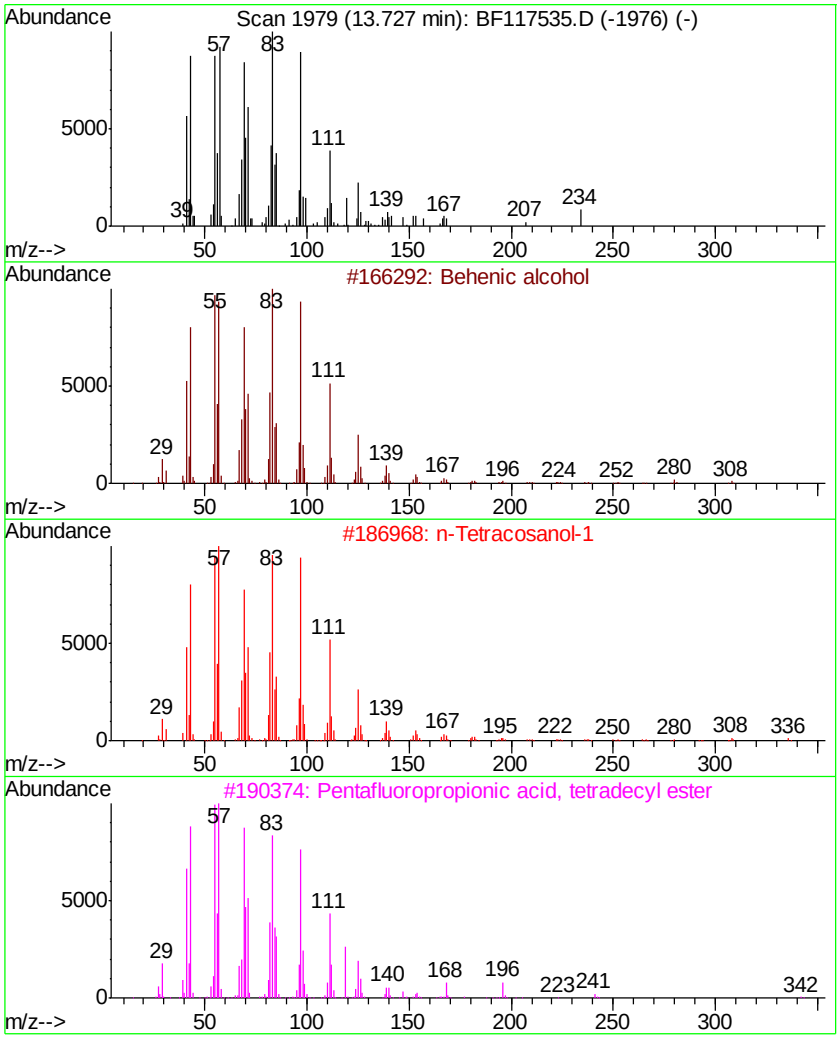
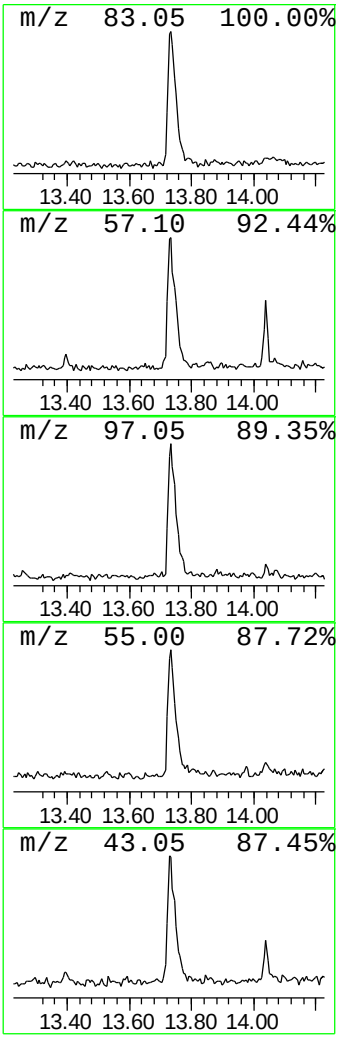
Peak Number 17 Behenic alcohol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	13.49 ng	207895	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	95
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
3	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	94
4	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	94
5	1-Heptacosanol	396	C27H56O	002004-39-9	94





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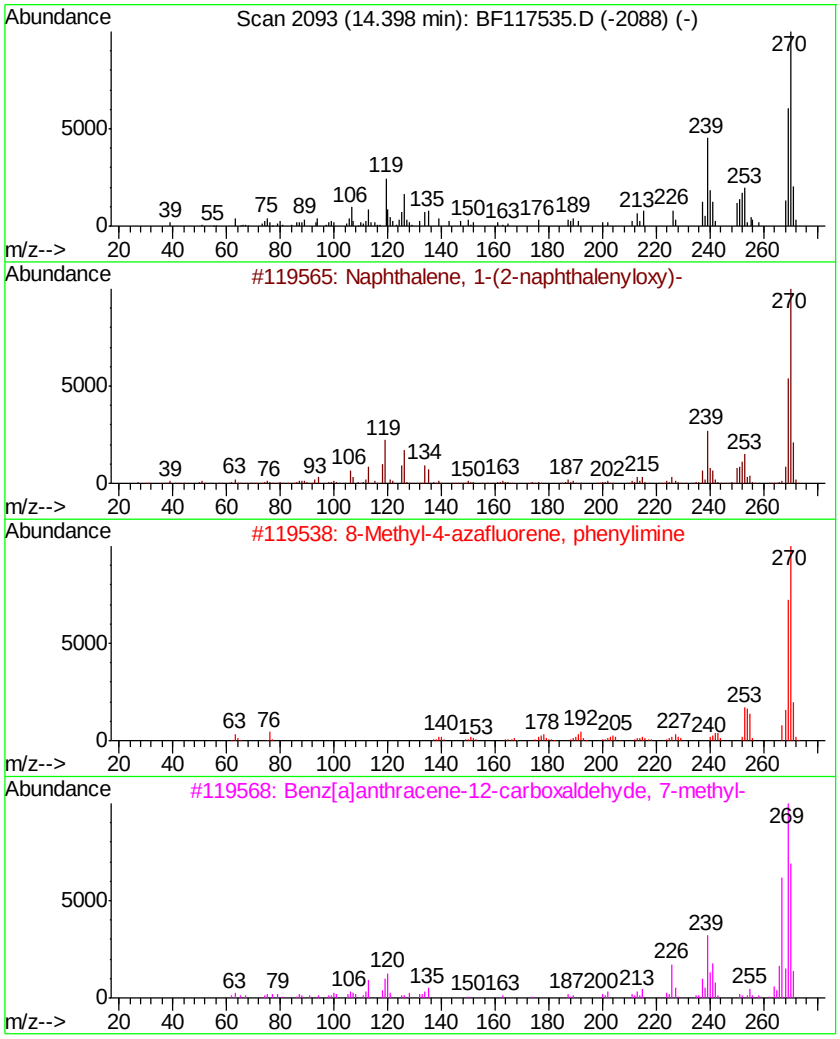
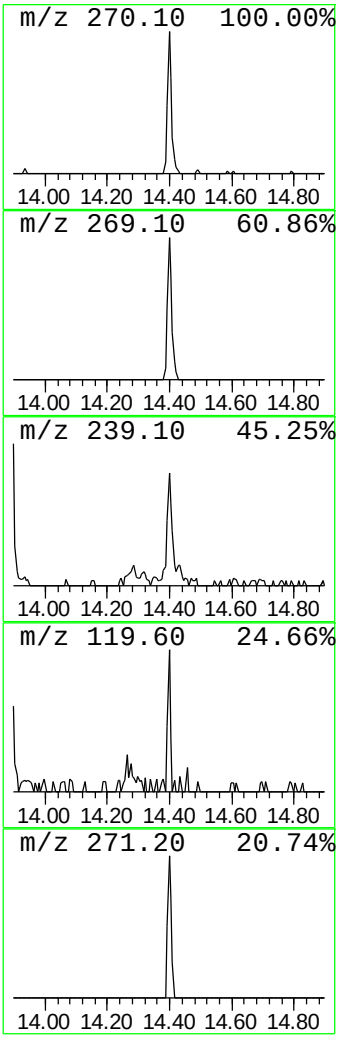
Peak Number 18 Naphthalene, 1-(2-naphthale... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	7.21 ng	111125	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-naphthalenyloxy)-	270	C20H14O	000611-49-4	94
2	8-Methyl-4-azafluorene, phenylimine	270	C19H14N2	1000216-54-2	50
3	Benz[a]anthracene-12-carboxaldeh...	270	C20H14O	017513-40-5	49
4	Naphthalene, 1,1'-oxybis-	270	C20H14O	000607-52-3	49
5	4-Azafluorenone, 3-methylphenyli...	270	C19H14N2	1000301-74-7	49





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Data File : BF117535.D
Acq On : 25 Oct 2019 14:52
Operator : JU
Sample : K5502-15
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 178-02-(0-2.3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

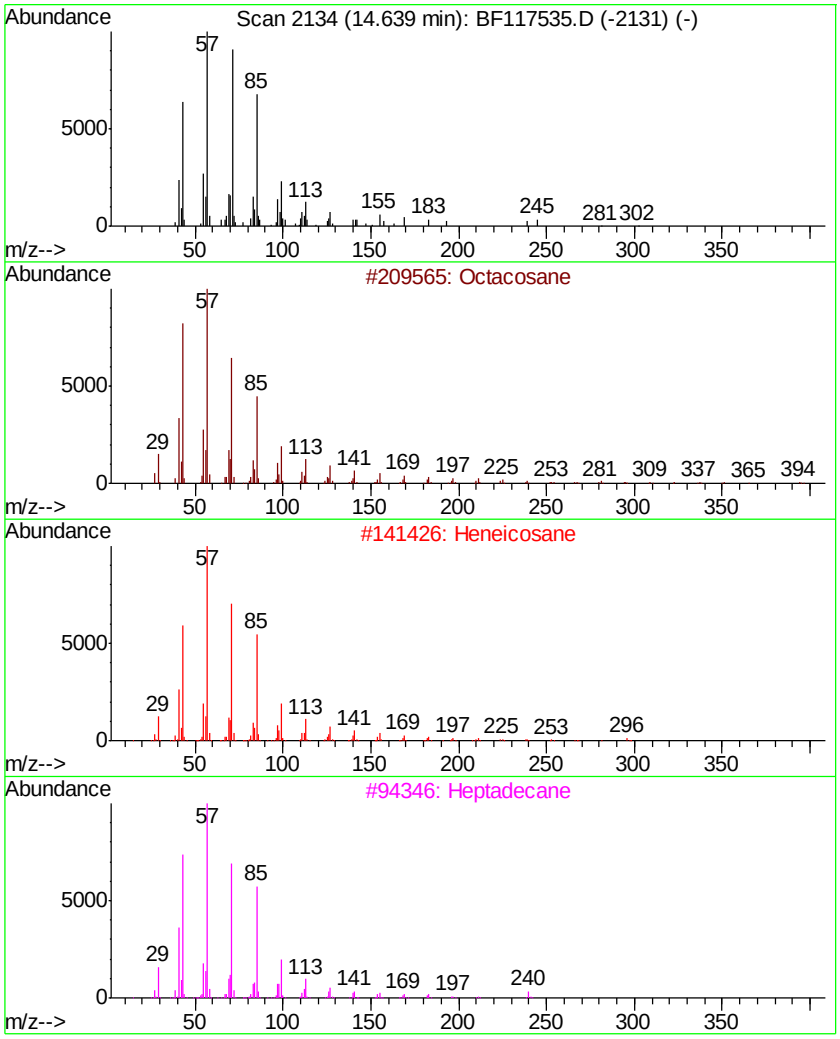
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

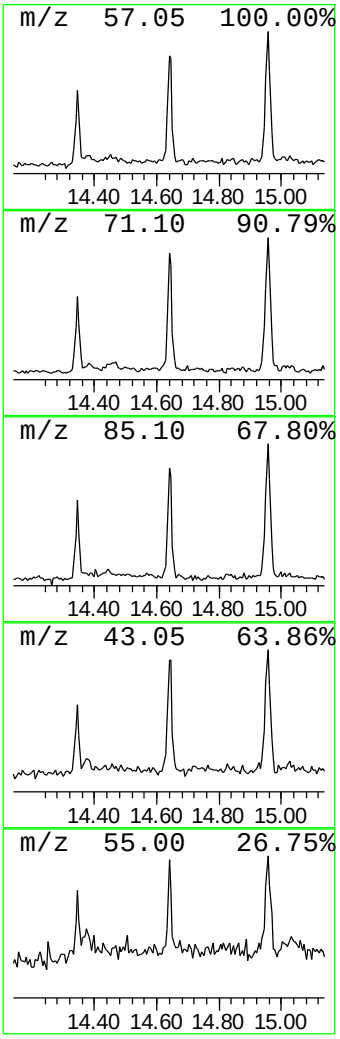
****

Peak Number 19 Octacosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	4.91 ng	68639	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Heneicosane	296	C21H44	000629-94-7	90
3	Heptadecane	240	C17H36	000629-78-7	90
4	2-methyloctacosane	408	C29H60	1000376-72-8	90
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117535.D
Acq On : 25 Oct 2019 14:52
Operator : JU
Sample : K5502-15
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 178-02-(0-2.3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

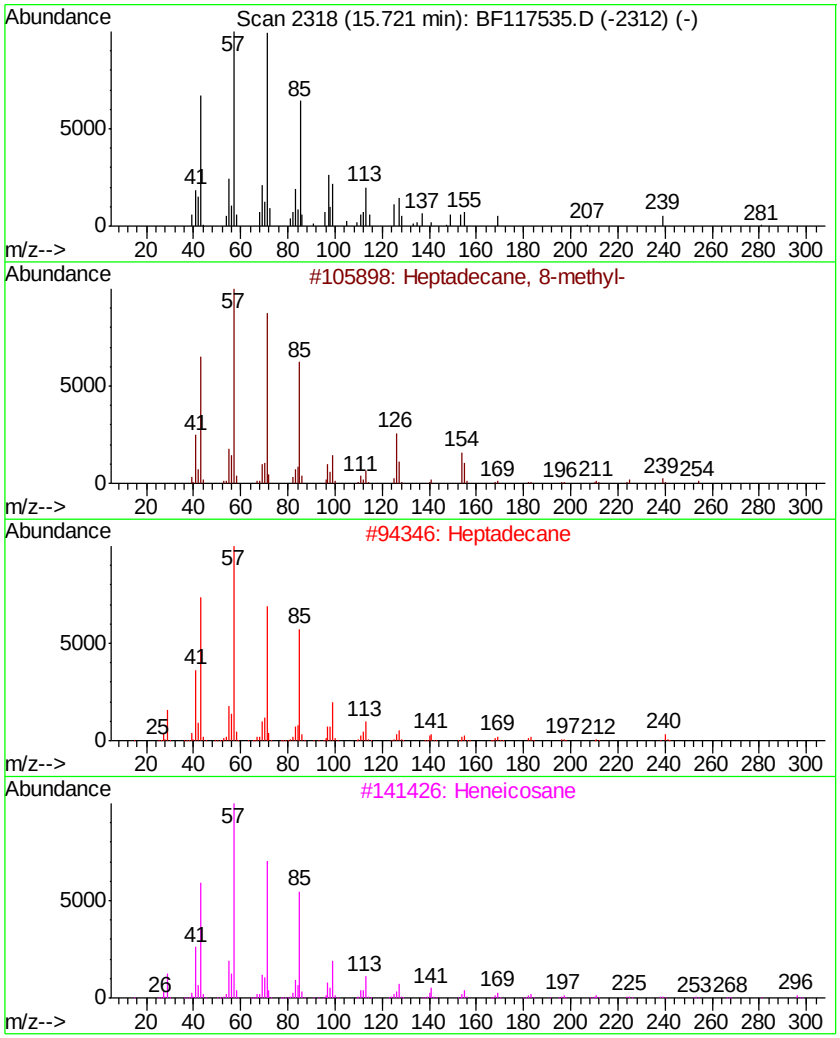
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

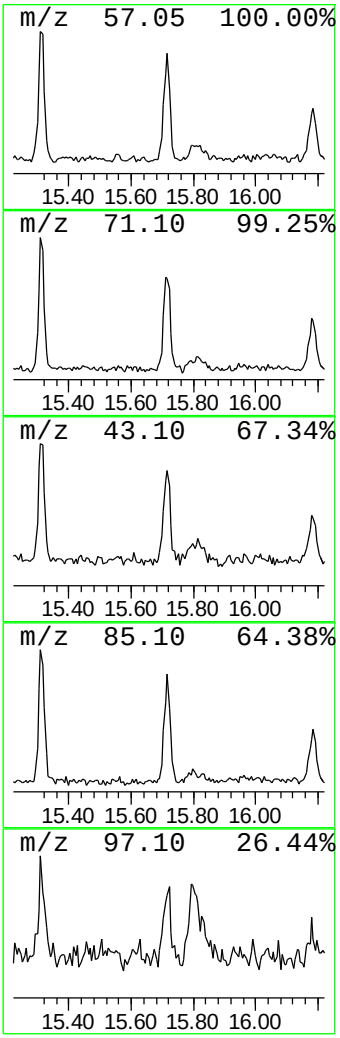
****

Peak Number 20 Heptadecane, 8-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	5.31 ng	74260	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	90
2	Heptadecane	240	C17H36	000629-78-7	86
3	Heneicosane	296	C21H44	000629-94-7	86
4	2-methyloctacosane	408	C29H60	1000376-72-8	86
5	Octadecane	254	C18H38	000593-45-3	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102519\
Data File : BF117535.D
Acq On : 25 Oct 2019 14:52
Operator : JU
Sample : K5502-15
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 178-02-(0-2.3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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
Styrene	5.56	9.3	ng	100836	1	6.73	217346	20.0
unknown6.50	6.50	85.6	ng	930466	1	6.73	217346	20.0
Benzene, 1-etheny...	6.56	17.6	ng	191262	1	6.73	217346	20.0
Benzene, 1-etheny...	6.60	6.7	ng	72640	1	6.73	217346	20.0
Indene	6.99	21.4	ng	232679	1	6.73	217346	20.0
2,4-Dimethylstyrene	7.35	6.4	ng	69618	1	6.73	217346	20.0
Benzenemethanethi...	7.58	13.4	ng	198971	2	8.01	297011	20.0
Naphthalene, 1,2-...	7.76	8.3	ng	123548	2	8.01	297011	20.0
1,4-Dihydronaphth...	7.81	17.1	ng	254009	2	8.01	297011	20.0
Benzene, 1-methyl...	8.23	12.8	ng	189902	2	8.01	297011	20.0
o-Cymene	8.29	13.8	ng	204795	2	8.01	297011	20.0
Benzene, (2-bromo...	8.71	14.4	ng	214437	2	8.01	297011	20.0
Benzene, (1-bromo...	9.21	5.8	ng	110791	3	9.76	378938	20.0
n-Hexadecanoic acid	11.77	7.9	ng	127877	4	11.25	325314	20.0
Octadecanoic acid	12.56	5.3	ng	86774	4	11.25	325314	20.0
Behenic alcohol	13.73	13.5	ng	207895	5	13.89	308335	20.0
Naphthalene, 1-(2...	14.40	7.2	ng	111125	5	13.89	308335	20.0
Octacosane	14.64	4.9	ng	68639	6	15.32	279529	20.0
Heptadecane, 8-me...	15.72	5.3	ng	74260	6	15.32	279529	20.0