LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101421\
Data File : BF125855.D
Acq On : 14 Oct 2021 20:51
Operator : JU/CG
Sample : M4195-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-SOILPILE

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-BF100721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125855.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.451	564	572	575	rBV	3787973	3947591	40.90%	1.436%
2	5.675	604	610	627	rBV	1309319	2386652	24.73%	0.868%
3	6.463	736	744	747	rBV	3461597	3841596	39.80%	1.398%
4	6.675	775	780	784	rBV2	2019430	3199809	33.15%	1.164%
5	6.710	784	786	799	rVB	1085009	1557932	16.14%	0.567%
6	7.016	835	838	841	rVB	3289834	2643676	27.39%	0.962%
7	7.098	848	852	858	rVV	3166454	4026841	41.72%	1.465%
8	7.375	895	899	900	rVV2	1250247	1349521	13.98%	0.491%
9	7.392	900	902	908	rVV2	2435631	2848826	29.52%	1.036%
10	7.451	908	912	916	rVV3	660157	1119814	11.60%	0.407%
11	7.692	951	953	957	rVV	3035570	2763932	28.64%	1.005%
12	7.869	976	983	986	rBV3	2054194	3532242	36.60%	1.285%
13	7.922	990	992	994	rVB	1819033	1358968	14.08%	0.494%
14	8.016	1006	1008	1013	rVV	1227403	1205364	12.49%	0.438%
15	8.116	1020	1025	1026	rVV2	1737145	2231611	23.12%	0.812%
16	8.139	1026	1029	1032	rVV	5228839	5407012	56.02%	1.967%
17	8.181	1032	1036	1038	rVV3	1181719	1272520	13.19%	0.463%
18	8.333	1057	1062	1065	rBV	2872601	2707289	28.05%	0.985%
19	8.392	1068	1072	1078	rBV	3236885	3555024	36.84%	1.293%
20	8.545	1094	1098	1099	rBV	1551086	1386506	14.37%	0.504%
21	8.833	1141	1147	1150	rVB2	6467798	7559458	78.33%	2.750%
22	8.933	1159	1164	1167	rVB	6007166	6052183	62.71%	2.202%
23	9.139	1197	1199	1202	rBV	1362744	1184391	12.27%	0.431%
24	9.192	1204	1208	1211	rVB	5036542	4389329	45.48%	1.597%
25	9.292	1219	1225	1227	rBV3	1187744	1845806	19.13%	0.671%
26	9.316	1227	1229	1232	rBV	1127930	1189237	12.32%	0.433%
27	9.386	1239	1241	1246	rVB2	2007899	2628836	27.24%	0.956%
28	9.463	1247	1254	1257	rBV	4258011	6572437	68.10%	2.391%
29	9.533	1262	1266	1269	rVV2	5330413	6809467	70.56%	2.477%
30	9.563	1269	1271	1273	rVV	4174999	3122694	32.36%	1.136%
31	9.592	1273	1276	1279	rVB3	2303561	2656032	27.52%	0.966%
32	9.651	1282	1286	1288	rBV	3301362	3249231	33.67%	1.182%
33	9.669	1288	1289	1294	rVB2	1853780	1373761	14.23%	0.500%
34	9.733	1297	1300	1304	rVB	3234973	3066030	31.77%	1.115%
35	9.804	1310	1312	1316	rVB2	1744195	1282750	13.29%	0.467%
36	9.851	1316	1320	1321	rBV2	1386141	1261223	13.07%	0.459%

LSC Area Percent Report

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Sample : M4195-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-SOILPILE

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-BF100721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.869	1321	1323	1325	rVV	1644862	1263546	13.09%	0.460%
38	9.904	1325	1329	1332	rVB3	3274276	2880363	29.84%	1.048%
39	9.975	1338	1341	1345	rVB2	1724032	2229505	23.10%	0.811%
40	10.016	1345	1348	1352	rBV2	843457	1146213	11.88%	0.417%
41	10.075	1354	1358	1361	rVB	2854042	2971278	30.79%	1.081%
42	10.116	1361	1365	1367	rBV	2658688	2366725	24.52%	0.861%
43	10.186	1373	1377	1380	rBV2	2574391	2916399	30.22%	1.061%
44	10.216	1380	1382	1384	rVV	2335698	1772922	18.37%	0.645%
45	10.280	1388	1393	1394	rVV2	1813862	2485283	25.75%	0.904%
46	10.292	1394	1395	1398	rVV2	1545773	1230199	12.75%	0.448%
47	10.369	1403	1408	1410	rVV3	1529667	2010791	20.83%	0.731%
48	10.416	1413	1416	1422	rVV3	3448562	4801753	49.75%	1.747%
49	10.480	1422	1427	1429	rVV3	1753828	2848369	29.51%	1.036%
50	10.504	1429	1431	1433	rVV2	1482654	1502728	15.57%	0.547%
51	10.527	1433	1435	1437	rVV3	2077527	1921070	19.90%	0.699%
52	10.569	1437	1442	1448	rVV4	1339742	2609459	27.04%	0.949%
53	10.657	1455	1457	1459	rVV	2813910	2671260	27.68%	0.972%
54	10.675	1459	1460	1469	rVB6	2387526	2875469	29.79%	1.046%
55	10.780	1474	1478	1484	rVB3	2877096	4150272	43.00%	1.510%
56	10.963	1504	1509	1512	rBV2	2002103	2601690	26.96%	0.946%
57	10.992	1512	1514	1517	rBV2	1832895	1725955	17.88%	0.628%
58	11.051	1521	1524	1526	rVB	1532798	1425446	14.77%	0.519%
59	11.251	1555	1558	1562	rVV2	2210093	2414238	25.01%	0.878%
60	11.286	1562	1564	1568	rVB	1244382	1196945	12.40%	0.435%
61	11.392	1577	1582	1584	rVB	6455728	7757307	80.38%	2.822%
62	11.433	1586	1589	1591	rVB	3201509	2391614	24.78%	0.870%
63	11.474	1591	1596	1600	rBV2	2073989	3156362	32.70%	1.148%
64	11.592	1613	1616	1622	rBV	2039421	2654700	27.51%	0.966%
65	11.651	1623	1626	1628	rVV2	1661692	1447200	15.00%	0.526%
66	11.686	1628	1632	1634	rVV2	1851089	1910095	19.79%	0.695%
67	11.710	1634	1636	1641	rVV	1239014	1202626	12.46%	0.437%
68	11.769	1642	1646	1649	rVB2	2401692	2466984	25.56%	0.897%
69	11.863	1658	1662	1664	rBV	4189148	5003210	51.84%	1.820%
70	11.892	1664	1667	1670	rVV	5568367	5398117	55.93%	1.964%
71	11.933	1671	1674	1677	rVV2	1597434	1873050	19.41%	0.681%
72	11.974	1677	1681	1683	rVV2	5031991	5878643	60.91%	2.139%
73	11.998	1683	1685	1688	rVV3	3702405	3195698	33.11%	1.163%
74	12.127	1703	1707	1709	rBV	1150380	1301202	13.48%	0.473%
75	12.151	1709	1711	1714	rVB	1710231	1606356	16.64%	0.584%
76	12.339	1740	1743	1745	rBV	1198584	1241222	12.86%	0.452%

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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-SOILPILE

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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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	12.416	1751	1756	1759	rBV2	2753990	3875663	40.16%	1.410%
78	12.451	1759	1762	1765	rVV3	1410059	1998322	20.71%	0.727%
79	12.504	1768	1771	1772	rBV	1227443	1354205	14.03%	0.493%
80	12.586	1780	1785	1787	rBV	4896434	5640078	58.44%	2.052%
81	12.669	1796	1799	1802	rVV3	1677900	1464435	15.17%	0.533%
82	12.816	1817	1824	1827	rVB	6478904	9651205	100.00%	3.511%
83	12.939	1842	1845	1847	rBV	3171056	2864536	29.68%	1.042%
84	13.016	1855	1858	1865	rVV3	1326387	2046031	21.20%	0.744%
85	13.104	1870	1873	1874	rVV3	1179026	1337380	13.86%	0.487%
86	13.127	1874	1877	1880	rVB	2413067	2376317	24.62%	0.864%
87	13.192	1885	1888	1891	rVB	1622819	1396530	14.47%	0.508%
88	13.233	1891	1895	1898	rBV	2157938	1905083	19.74%	0.693%
89	13.321	1907	1910	1913	rBV	1838825	1742868	18.06%	0.634%
90	13.351	1913	1915	1918	rVB	1907538	1729938	17.92%	0.629%
91	13.986	2018	2023	2026	rBV2	3693393	5048967	52.31%	1.837%
92	14.021	2026	2029	2033	rVV	3516437	3747261	38.83%	1.363%
93	14.133	2046	2048	2058	rVB4	605703	1125106	11.66%	0.409%
94	14.380	2085	2090	2092	rVV	1408627	1782062	18.46%	0.648%
95	14.468	2099	2105	2108	rVV3	817561	1579128	16.36%	0.574%
96	15.027	2195	2200	2207	rBV	1685782	3552012	36.80%	1.292%
97	15.327	2246	2251	2256	rVV	1553267	1925753	19.95%	0.701%
98	15.392	2256	2262	2266	rVV	2378742	3063304	31.74%	1.114%
99	16.886	2510	2516	2524	rVB2	662161	1296975	13.44%	0.472%
100	17.327	2584	2591	2601	rVB	634225	1295200	13.42%	0.471%

Sum of corrected areas: 274886214

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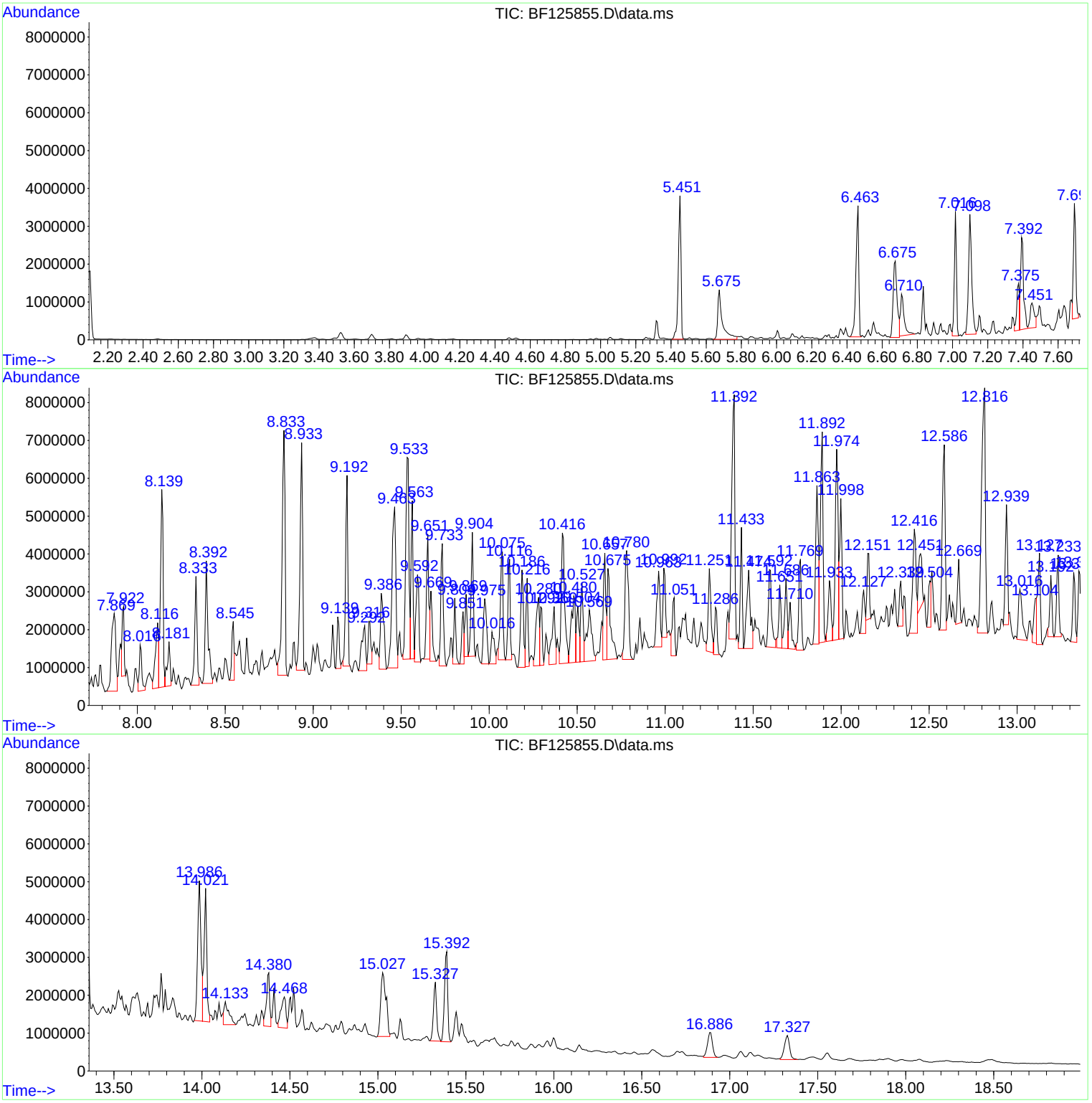
Instrument :
BNA_F
ClientSampleId :
HAR-SOILPILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101421\
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Instrument :
BNA_F
ClientSampleId :
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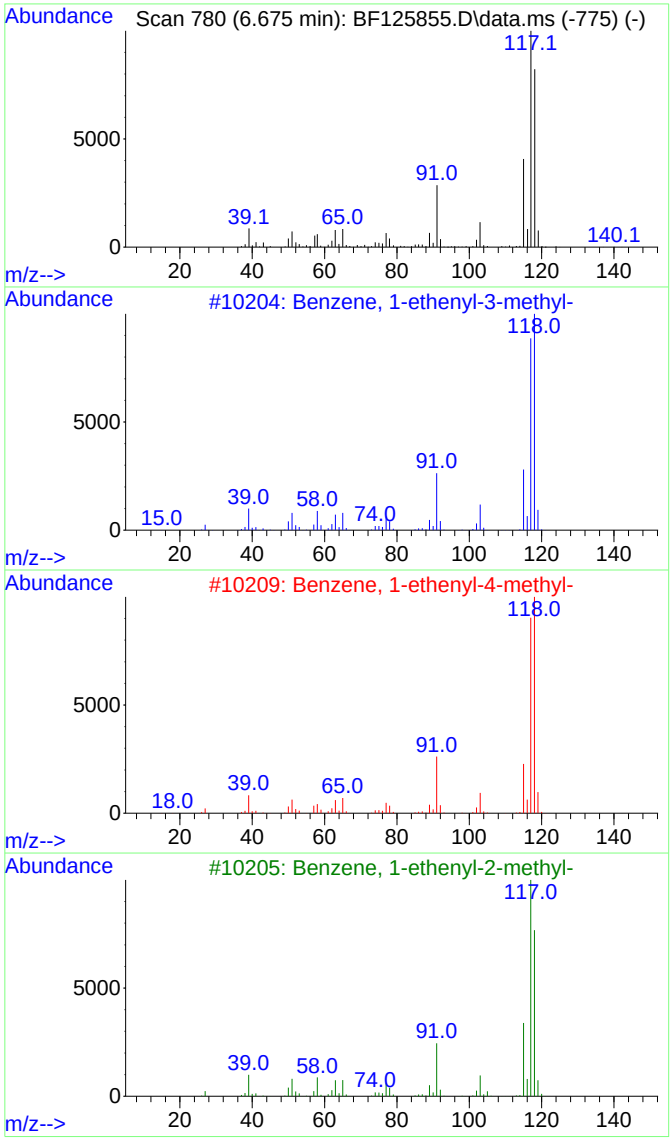
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

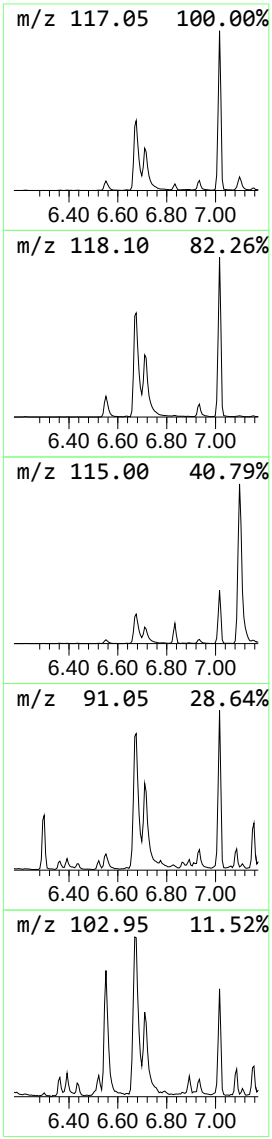
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethenyl-3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.675	41.08 ng	3199810	1,4-Dichlorobenzene-d4	6.834

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-4-methyl-	118	C9H10	000622-97-9	95
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
5	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	91





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Instrument :
BNA_F
ClientSampleId :
HAR-SOILPILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

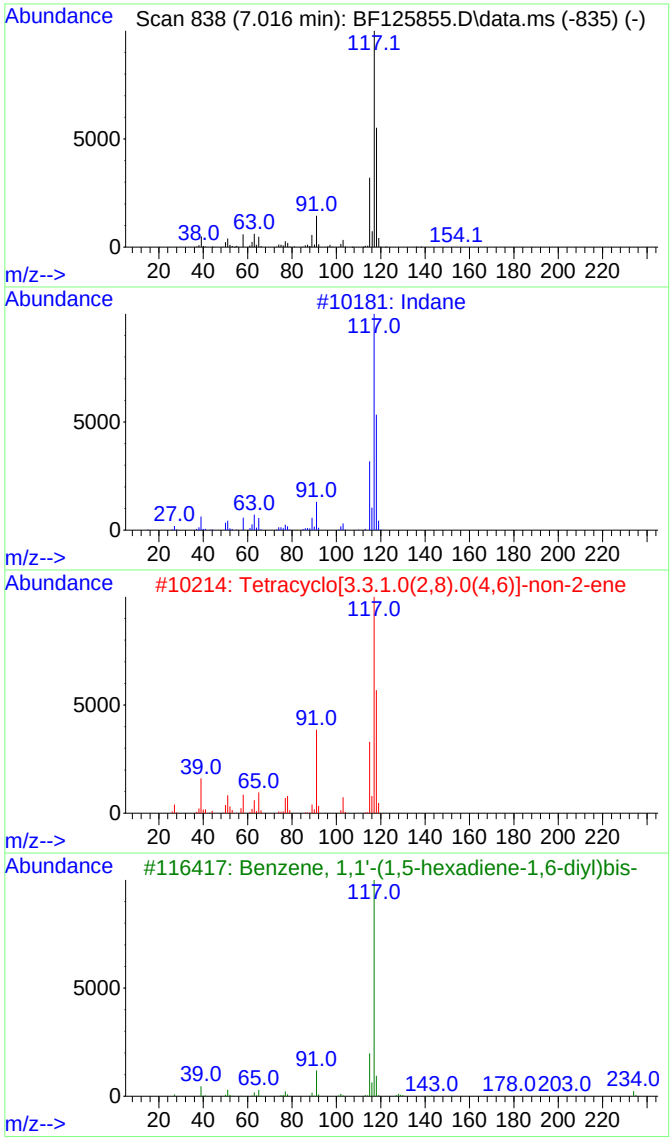
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

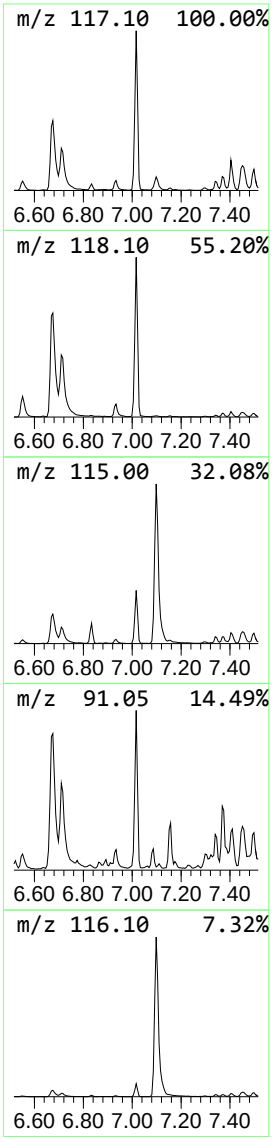
****

Peak Number 3 Indane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.016	33.94 ng	2643680	1,4-Dichlorobenzene-d4	6.834

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
3	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59
4	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	53
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	49





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

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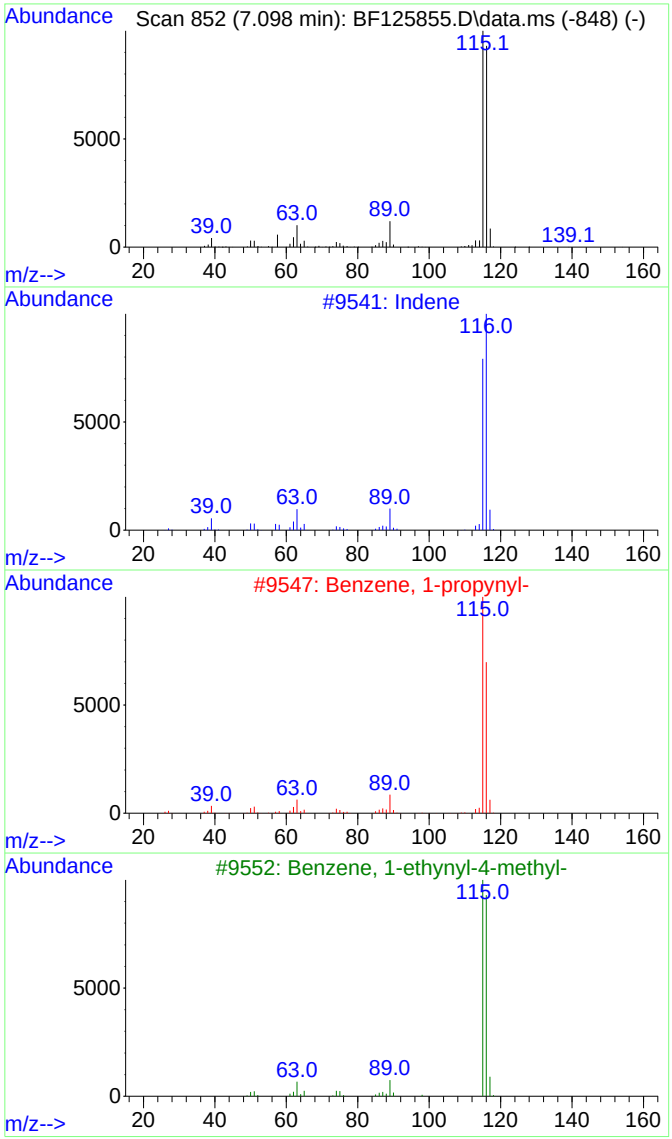
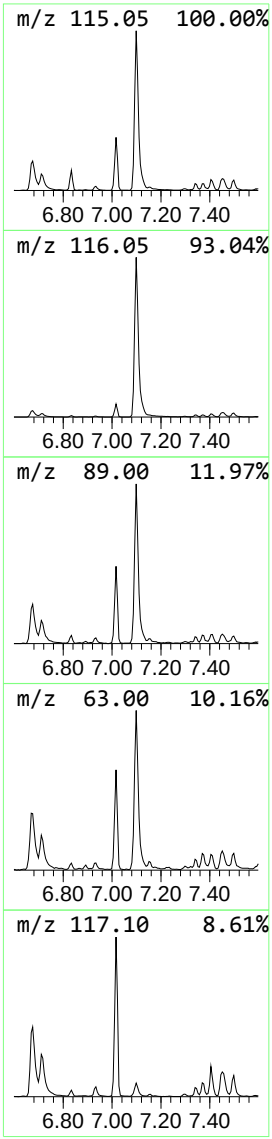
Peak Number 4 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.098	51.69 ng	4026840	1,4-Dichlorobenzene-d4	6.834

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





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Sample : M4195-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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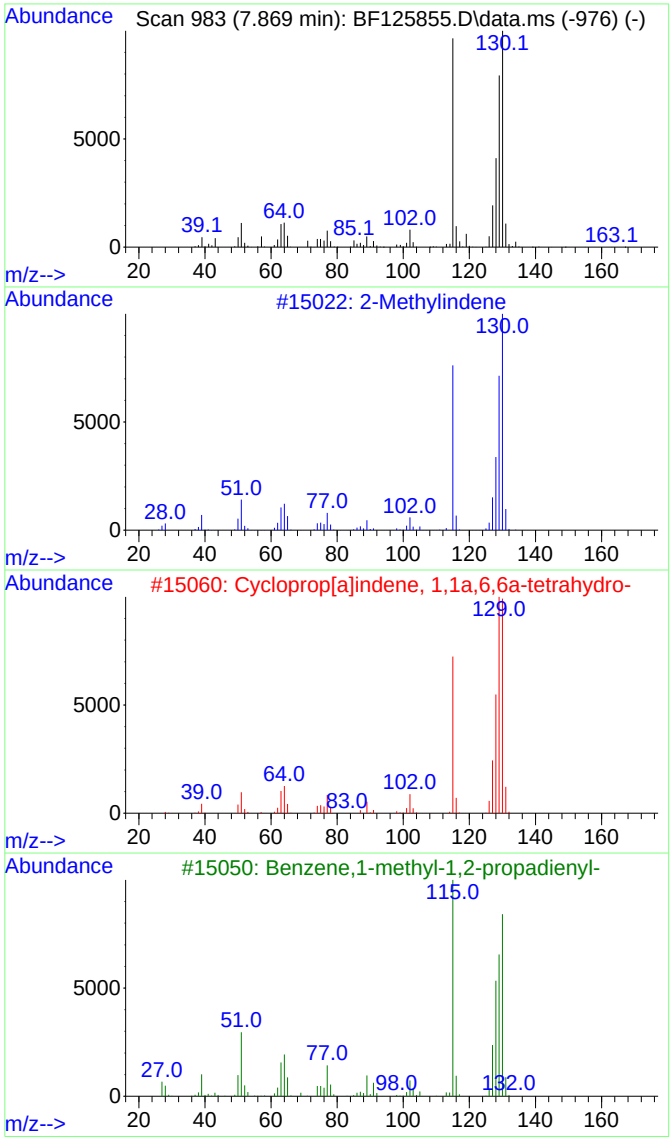
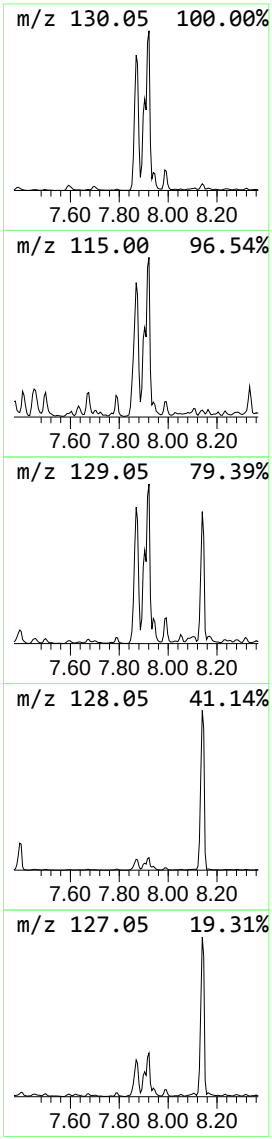
Peak Number 5 2-Methylindene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.869	31.66 ng	3532240	Naphthalene-d8	8.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	95
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101421\
Data File : BF125855.D
Acq On : 14 Oct 2021 20:51
Operator : JU/CG
Sample : M4195-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAR-SOILPILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

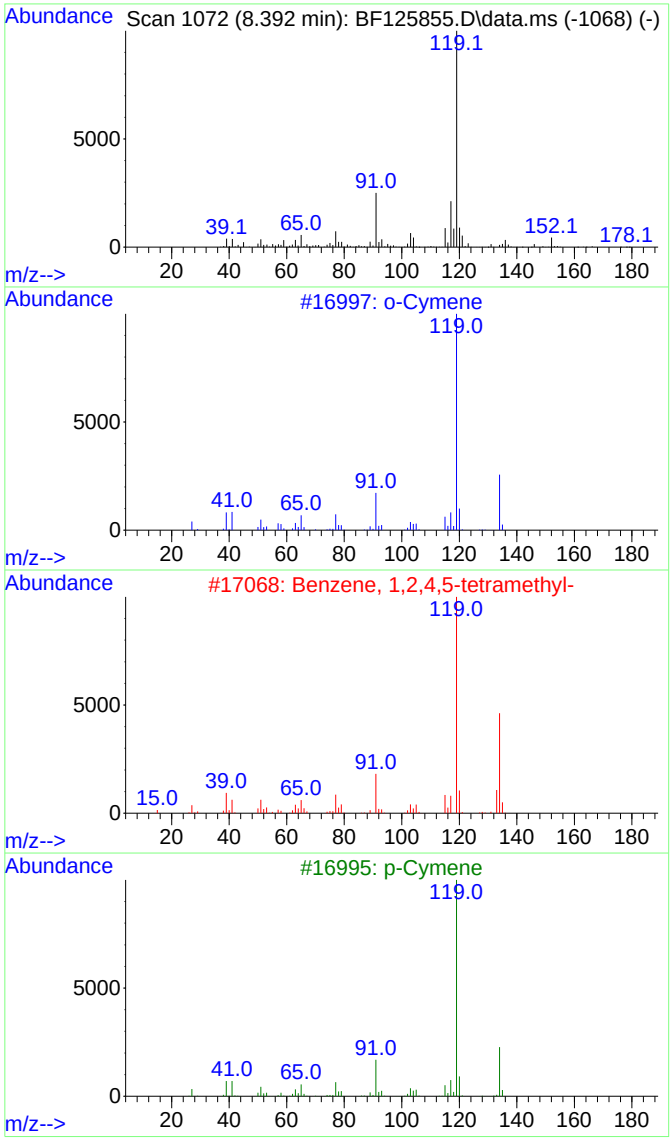
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

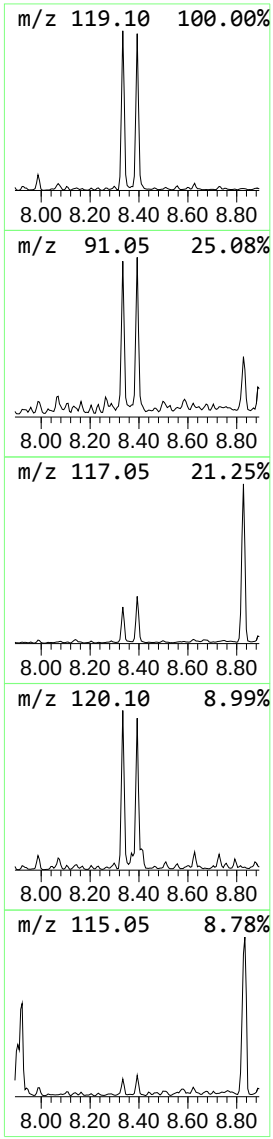
****

Peak Number 6 o-Cymene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.392	31.86 ng	3555020	Naphthalene-d8	8.116

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	76
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	68
3	p-Cymene	134	C10H14	000099-87-6	68
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64





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Acq On : 14 Oct 2021 20:51
Operator : JU/CG
Sample : M4195-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HAR-SOILPILE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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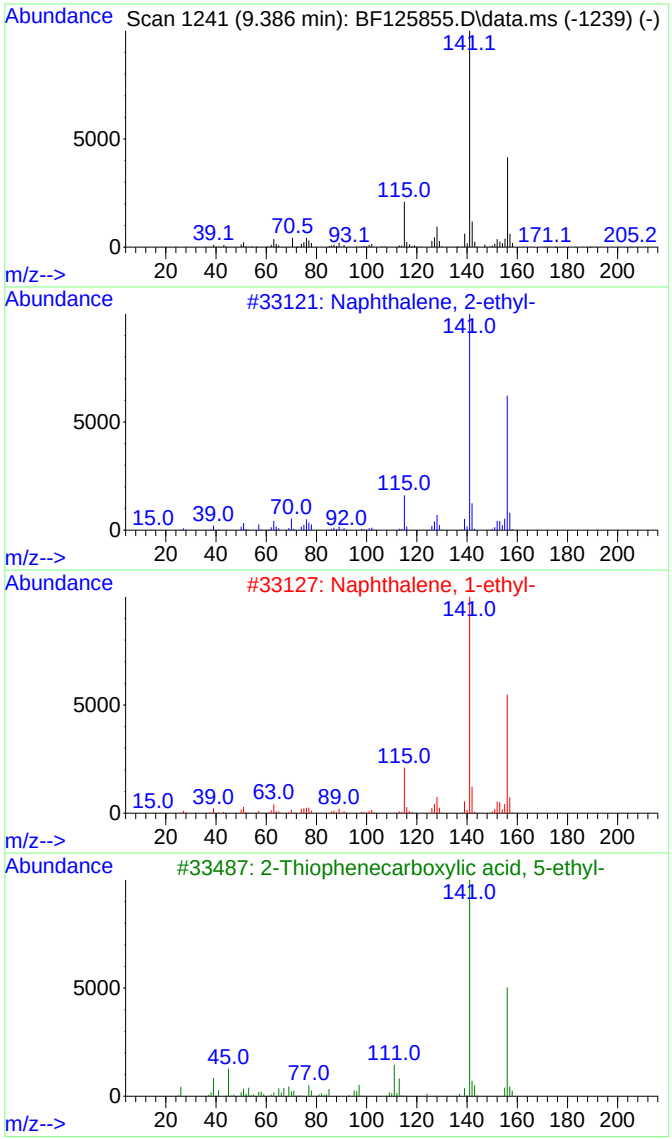
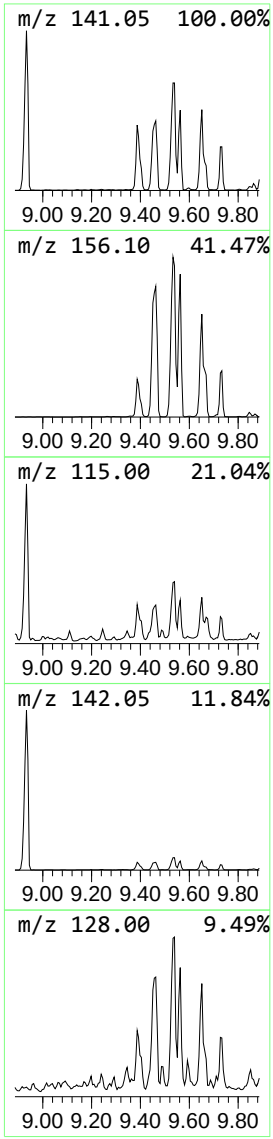
Peak Number 7 Naphthalene, 2-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.386	41.61 ng	2628840	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59
4	2,4-Difluoromesitylene	156	C9H10F2	000392-61-0	59
5	2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	59





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Instrument : BNA_F
ClientSampleId : HAR-SOILPILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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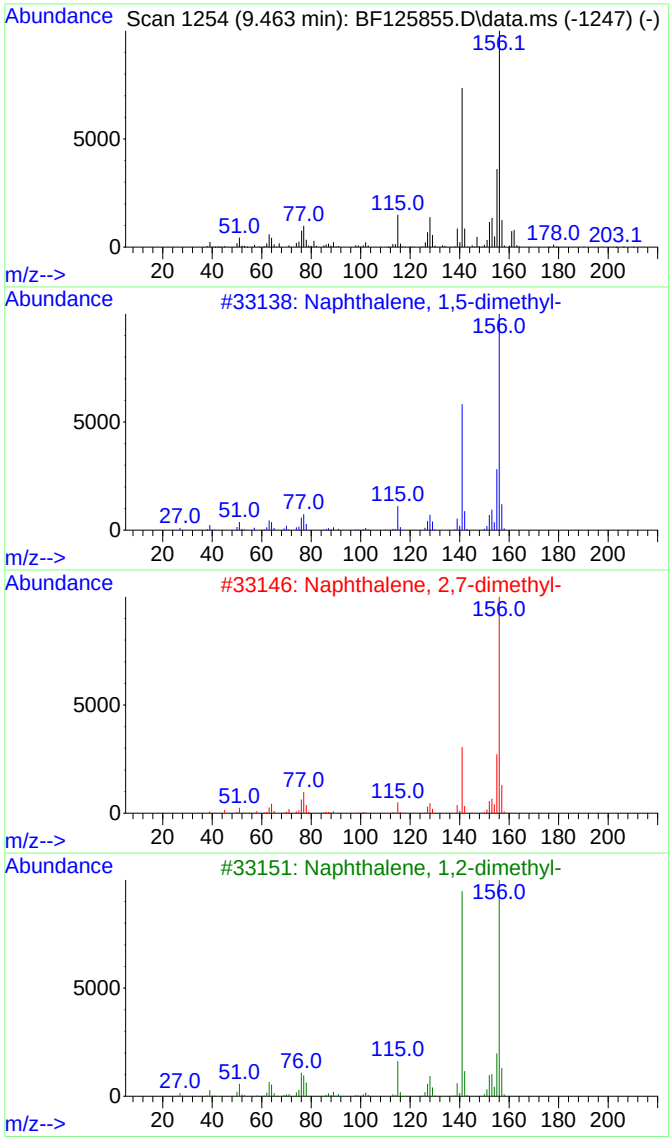
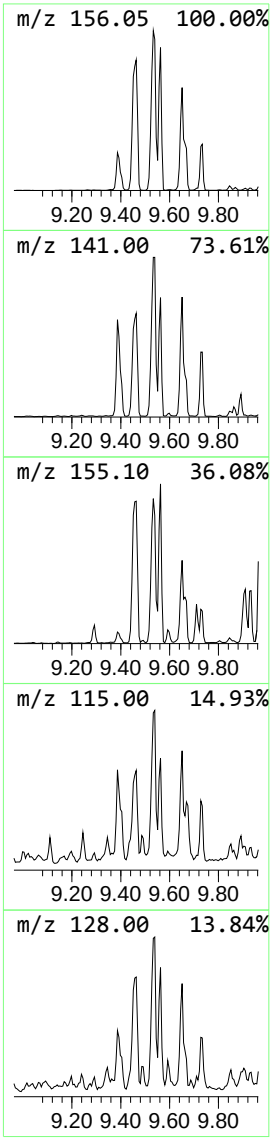
Peak Number 8 Naphthalene, 1,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.463	104.03 ng	6572440	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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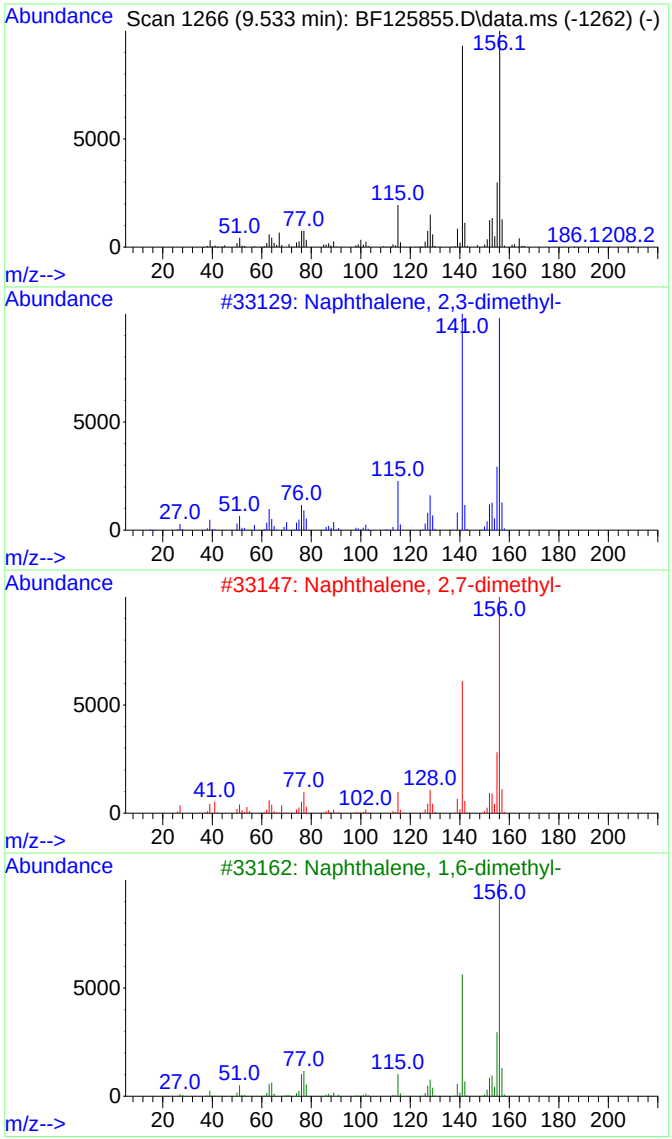
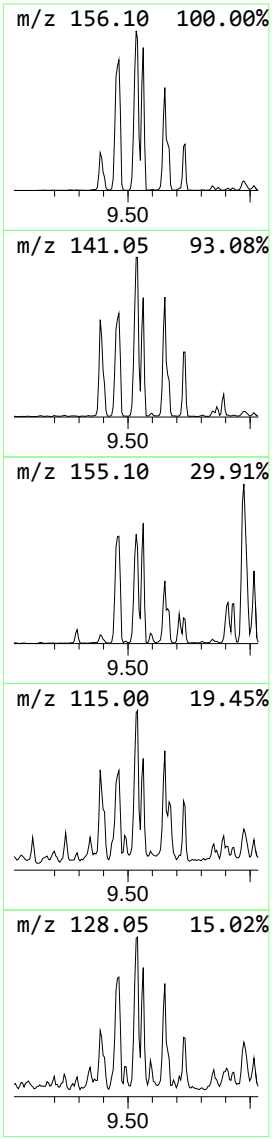
Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.533	107.78 ng	6809470	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





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Instrument :
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ClientSampleId :
HAR-SOILPILE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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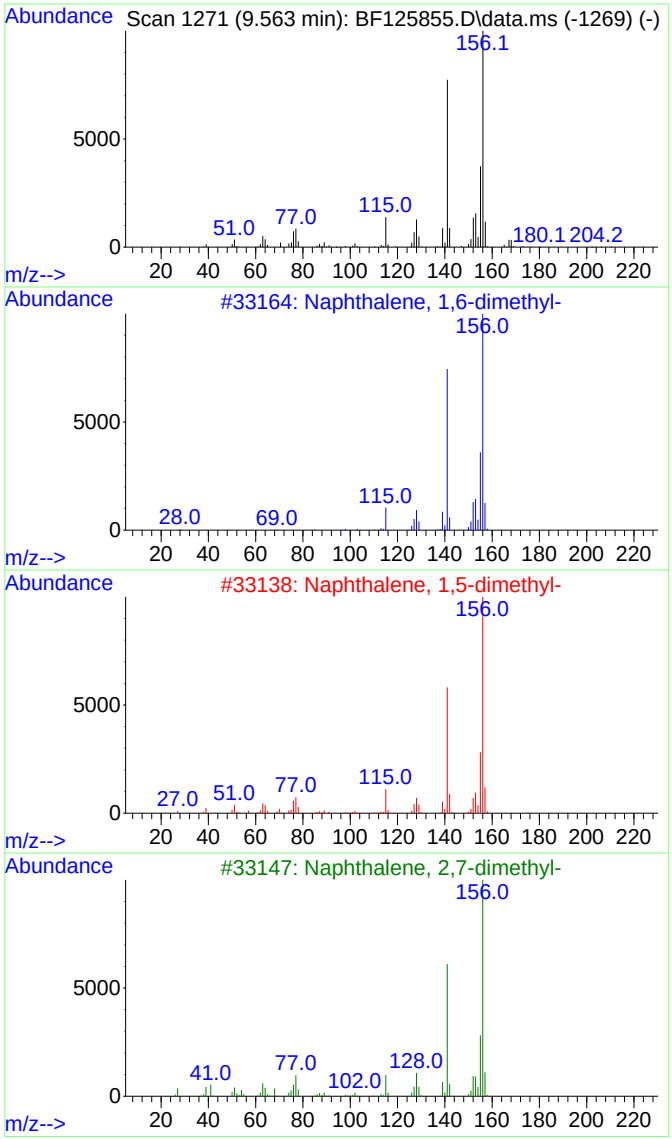
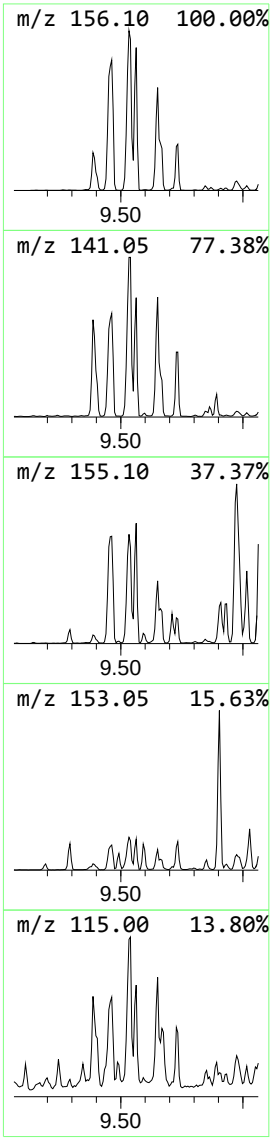
Peak Number 10 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.563	49.43 ng	3122690	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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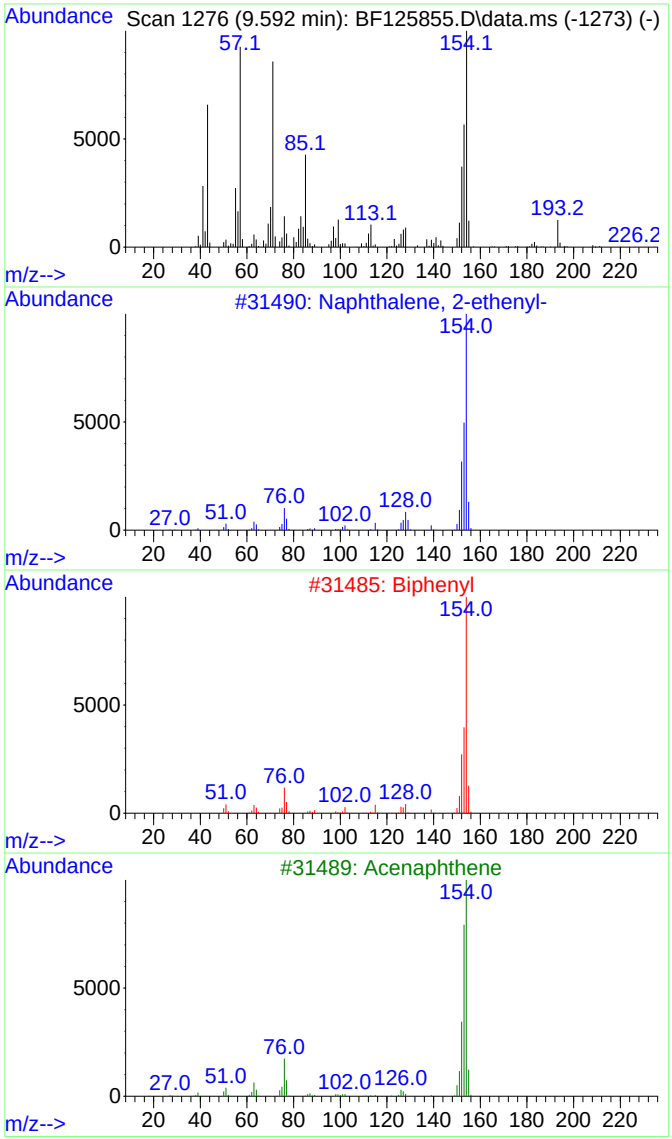
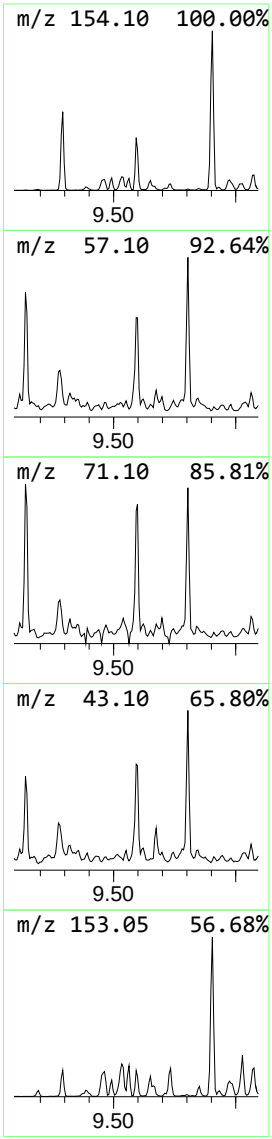
Peak Number 11 Naphthalene, 2-ethenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.592	42.04 ng	2656030	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	83
2	Biphenyl	154	C12H10	000092-52-4	46
3	Acenaphthene	154	C12H10	000083-32-9	46
4	Octahydro-1H-pyrido(1,2-c)pyrimi...	154	C8H14N2O	015932-63-5	41
5	Hexacosane	366	C26H54	000630-01-3	41





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Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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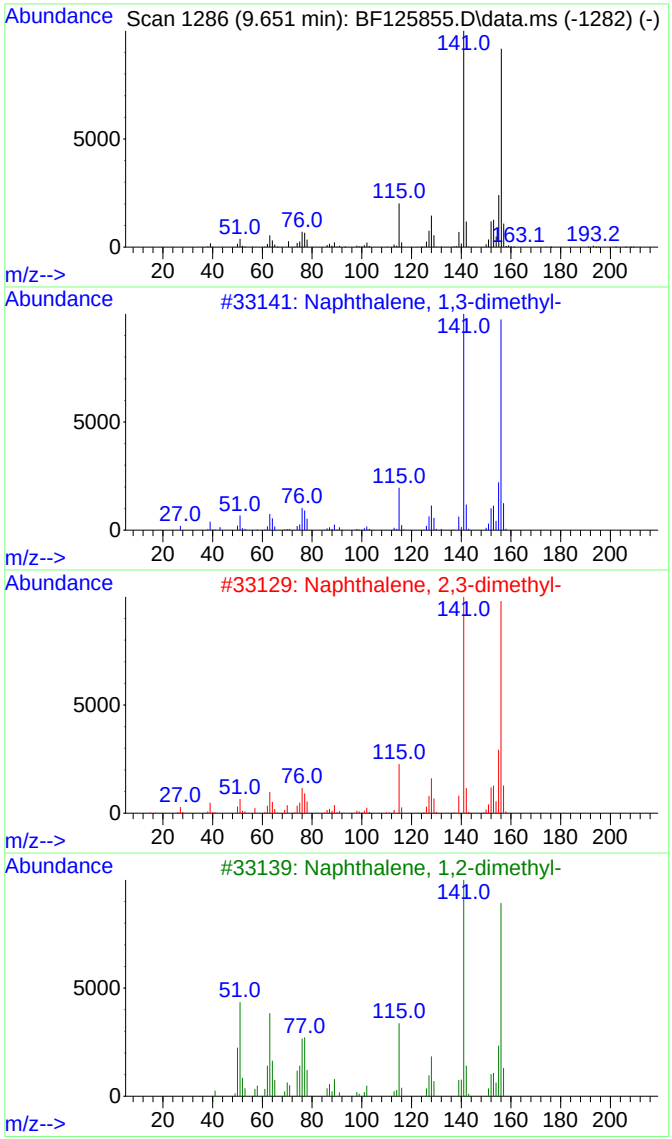
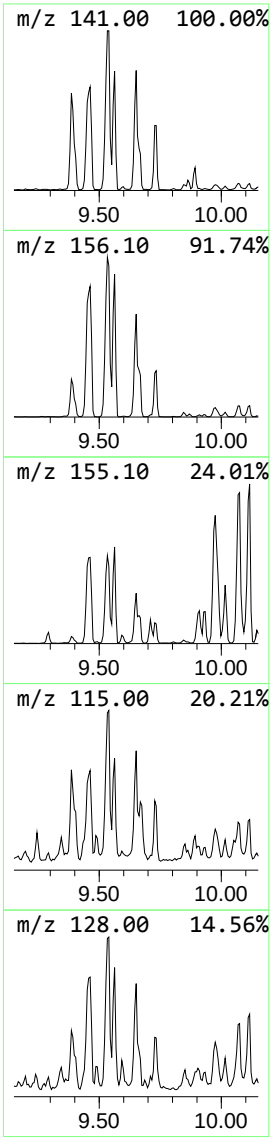
Peak Number 12 Naphthalene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.651	51.43 ng	3249230	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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Sample : M4195-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HAR-SOILPILE

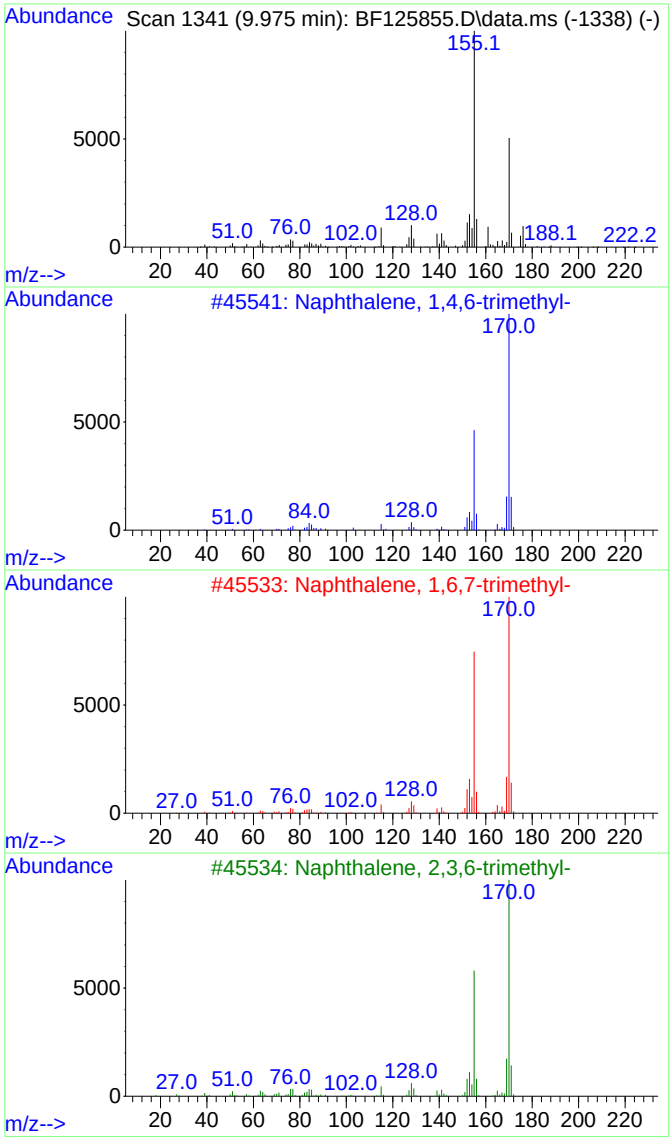
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

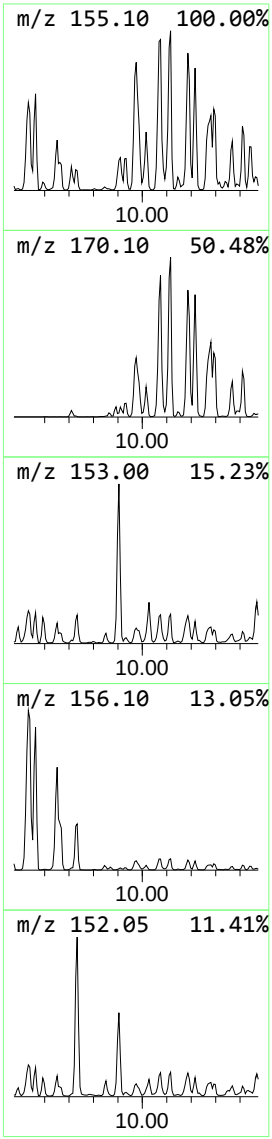
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, 1,4,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.975	35.29 ng	2229510	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
4	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
5	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	64





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ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId :
HAR-SOILPILE

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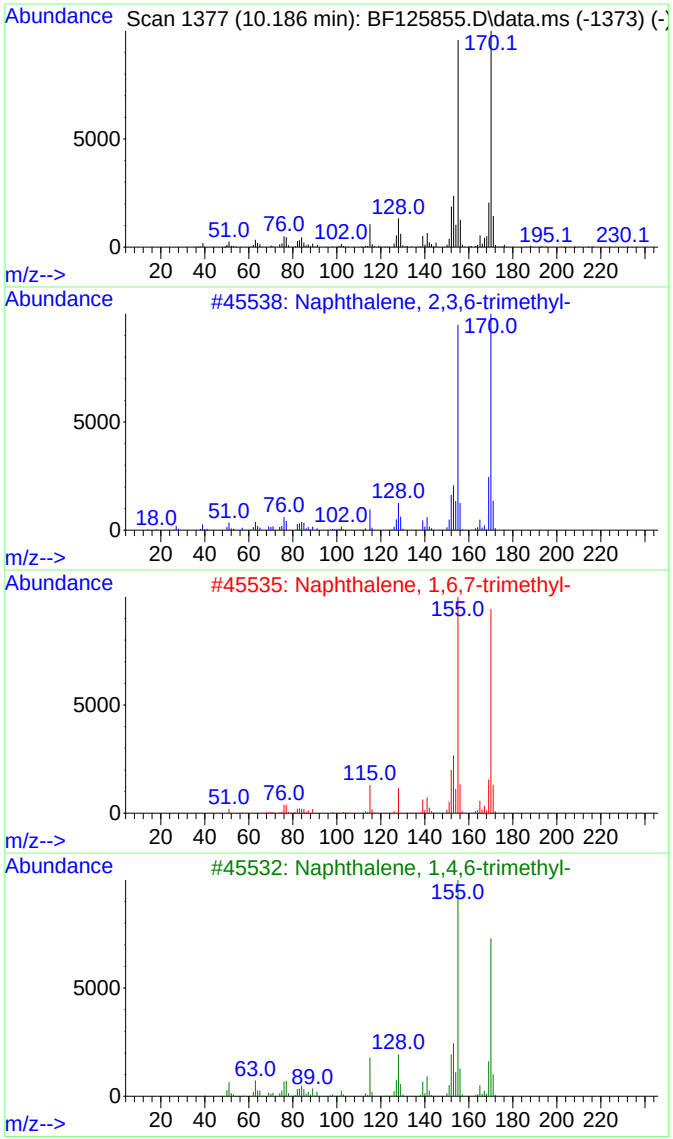
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

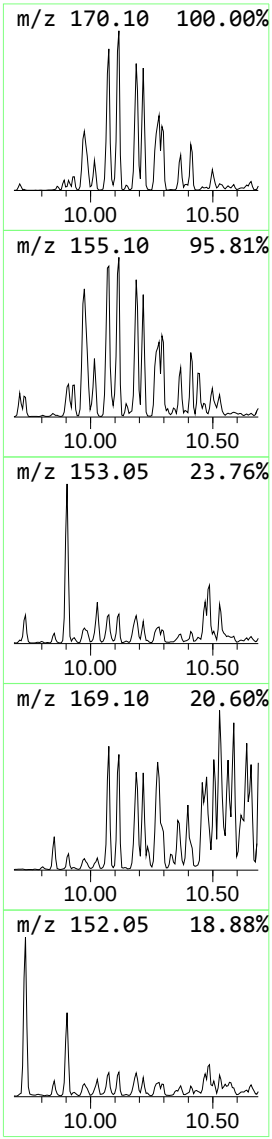
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.186	46.16 ng	2916400	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90





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ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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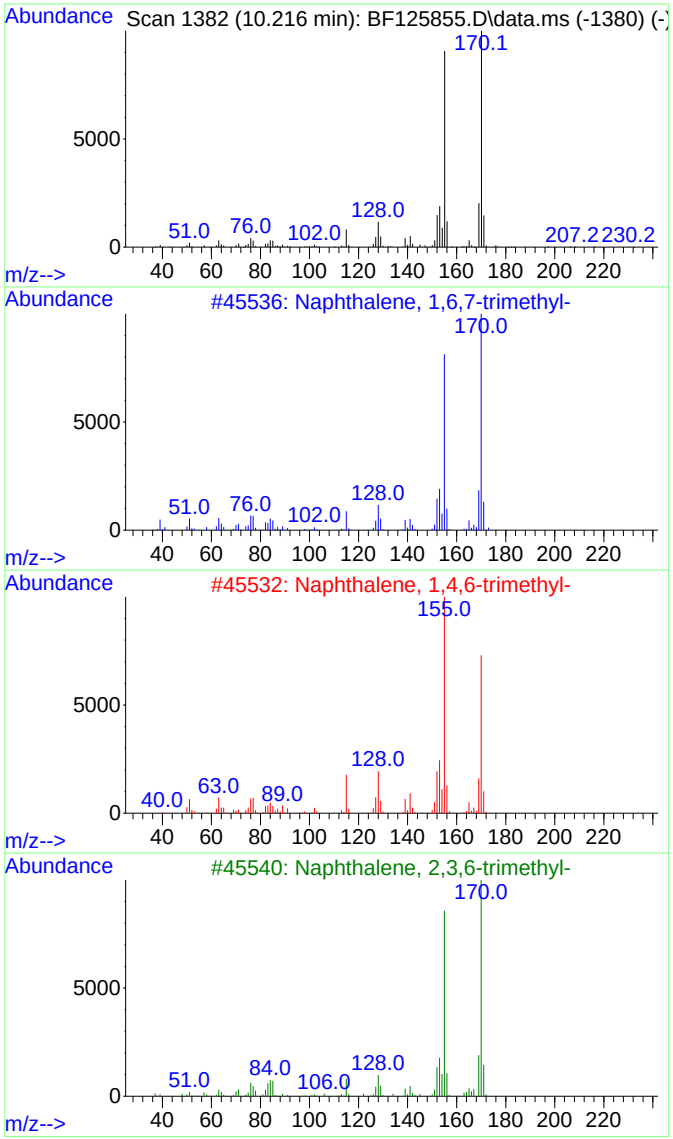
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

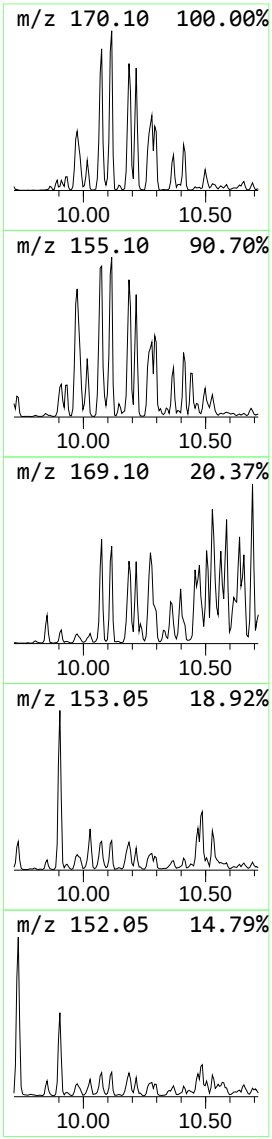
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.216	28.06 ng	1772920	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	87





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

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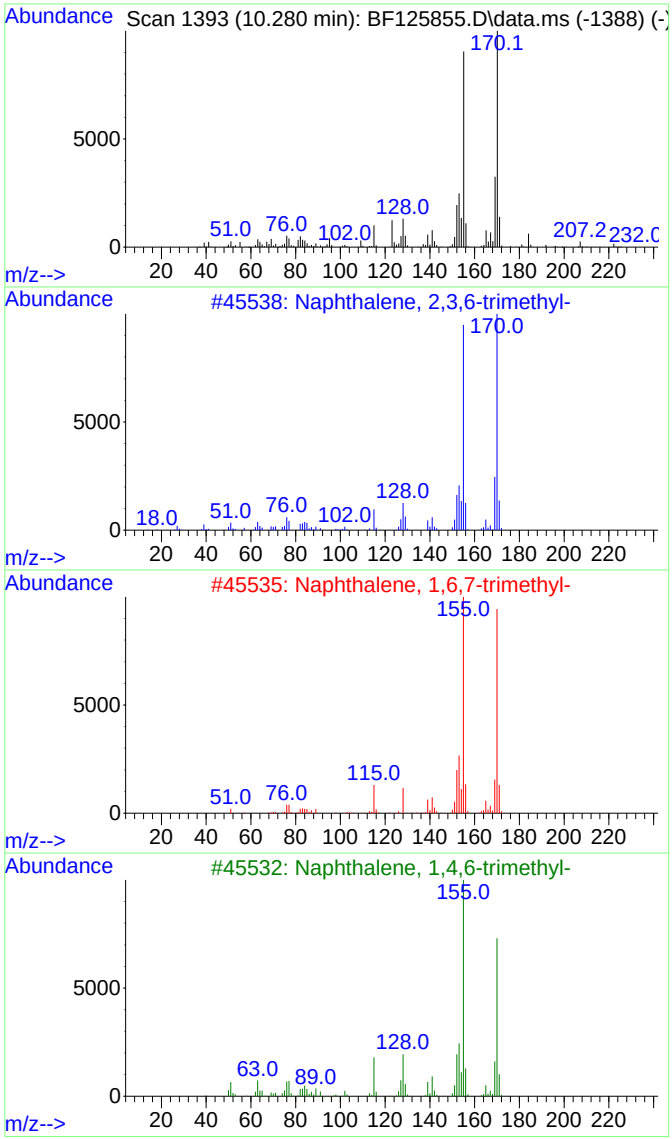
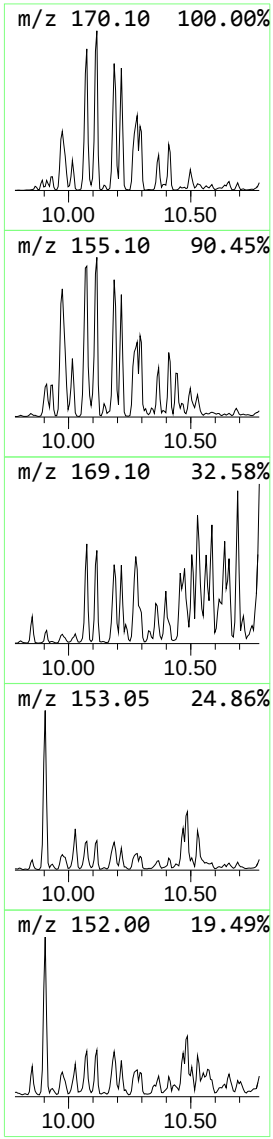
Peak Number 16 4,6,8-Trimethylazulene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.280	39.34 ng	2485280	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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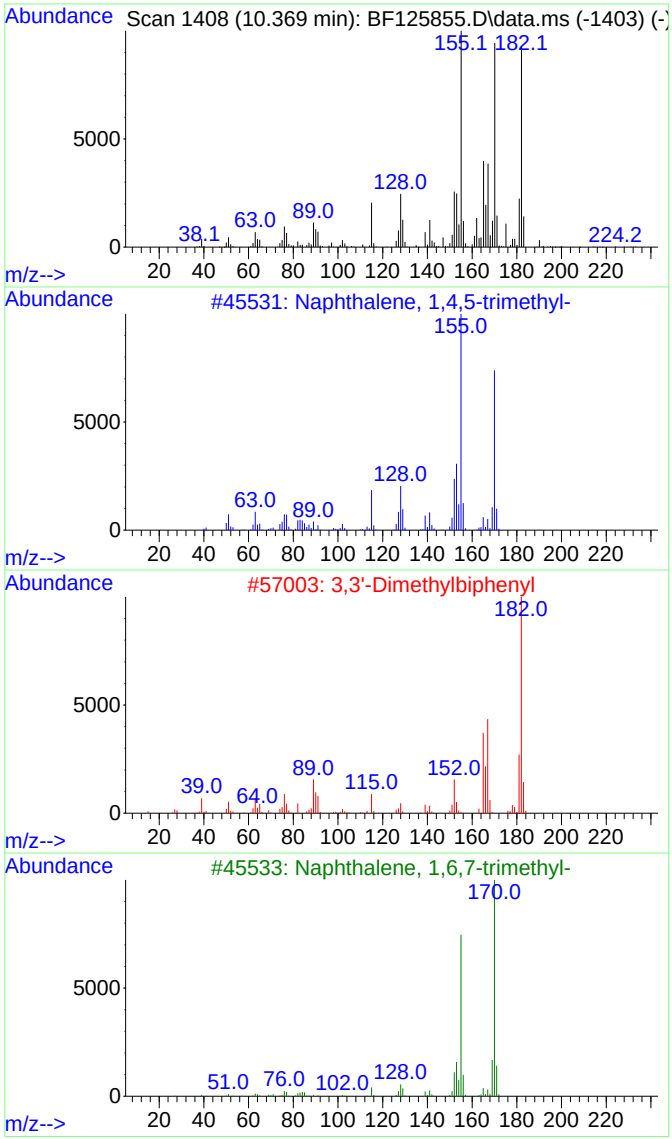
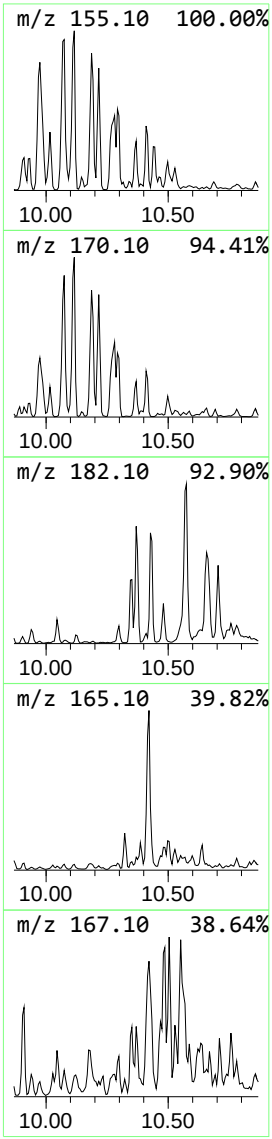
Peak Number 17 Naphthalene, 1,4,5-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.369	31.83 ng	2010790	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	89
2	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	89
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	87
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	86
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86





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ALS Vial : 18 Sample Multiplier: 1

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BNA_F
ClientSampleId :
HAR-SOILPILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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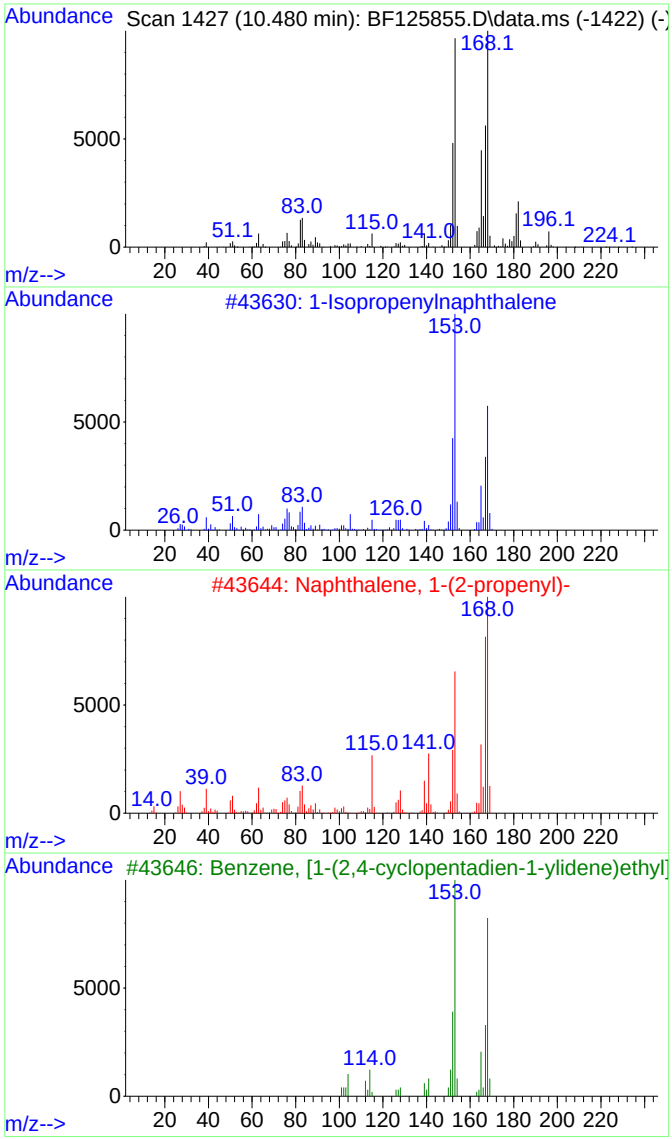
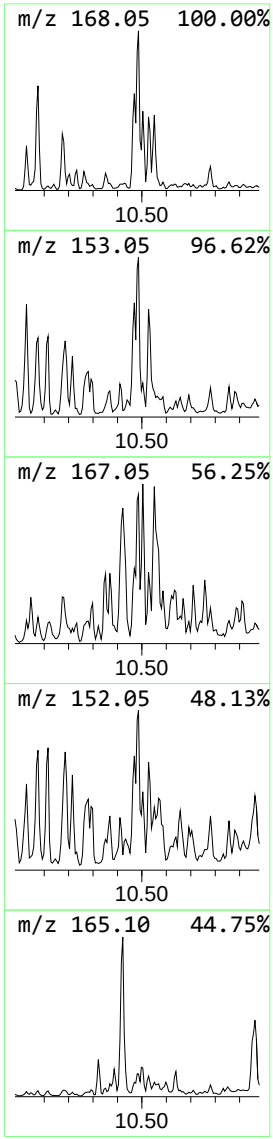
Peak Number 18 1-Isopropenylnaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.480	45.09 ng	2848370	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	89
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	49
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	47
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	38
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101421\
Data File : BF125855.D
Acq On : 14 Oct 2021 20:51
Operator : JU/CG
Sample : M4195-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAR-SOILPILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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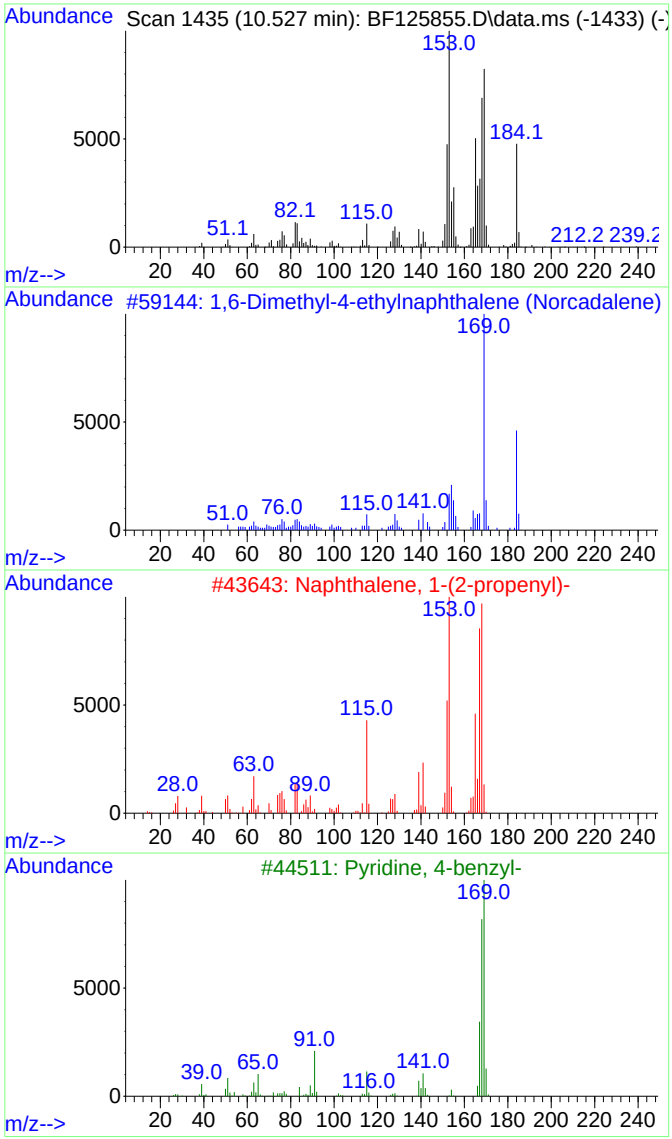
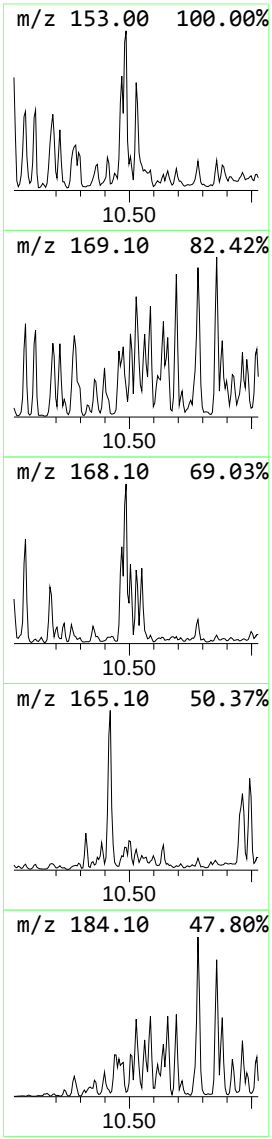
Peak Number 19 unknown10.528 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.528	30.41 ng	1921070	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Dimethyl-4-ethylnaphthalene ...	184	C14H16	1000383-71-7	42
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	38
3	Pyridine, 4-benzyl-	169	C12H11N	002116-65-6	35
4	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	30
5	2-Isopropyl-3-methylnaphthalene	184	C14H16	1000383-71-2	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101421\
Data File : BF125855.D
Acq On : 14 Oct 2021 20:51
Operator : JU/CG
Sample : M4195-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAR-SOILPILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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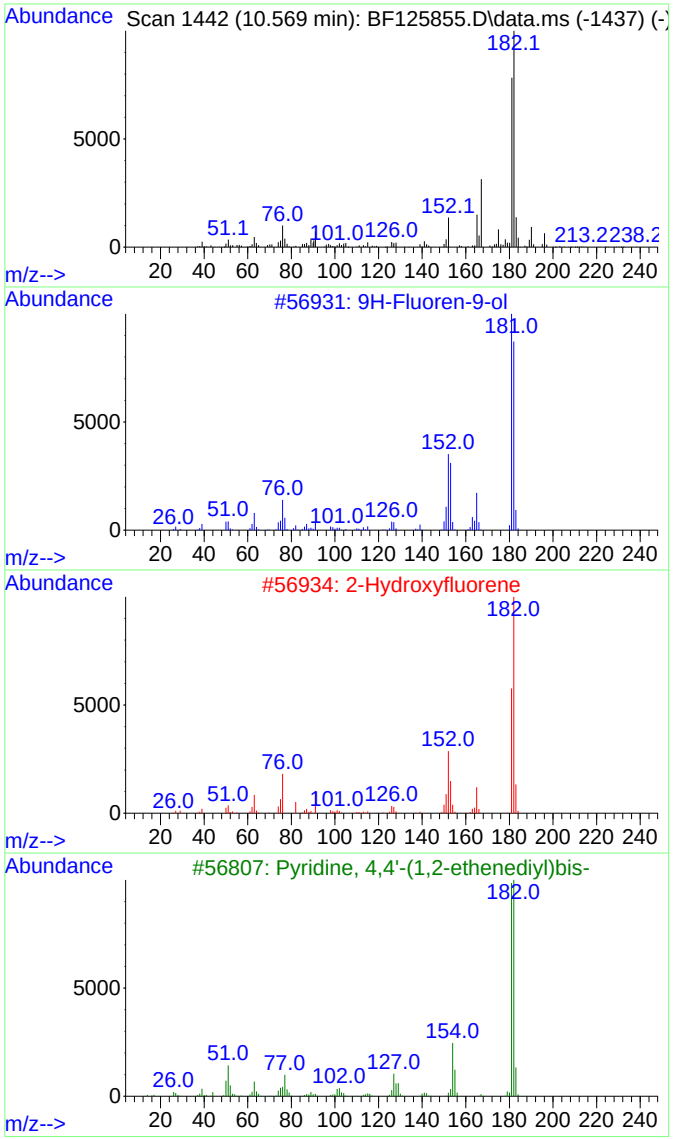
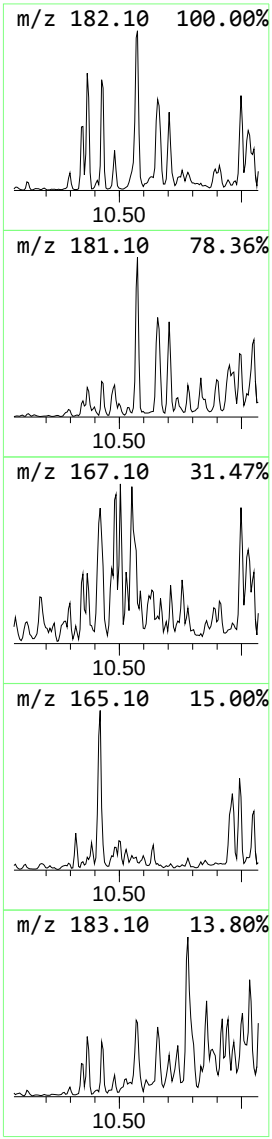
Peak Number 20 9H-Fluoren-9-ol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	41.30 ng	2609460	Acenaphthene-d10	9.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
2	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59
3	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	58
4	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	58
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101421\
Data File : BF125855.D
Acq On : 14 Oct 2021 20:51
Operator : JU/CG
Sample : M4195-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAR-SOILPILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethe...	6.675	41.1	ng	3199810	1	6.834	1557930	20.0
Indane	7.016	33.9	ng	2643680	1	6.834	1557930	20.0
Indene	7.098	51.7	ng	4026840	1	6.834	1557930	20.0
2-Methylindene	7.869	31.7	ng	3532240	2	8.116	2231610	20.0
o-Cymene	8.392	31.9	ng	3555020	2	8.116	2231610	20.0
Naphthalene, 2-...	9.386	41.6	ng	2628840	3	9.869	1263550	20.0
Naphthalene, 1,...	9.463	104.0	ng	6572440	3	9.869	1263550	20.0
Naphthalene, 2,...	9.533	107.8	ng	6809470	3	9.869	1263550	20.0
Naphthalene, 1,...	9.563	49.4	ng	3122690	3	9.869	1263550	20.0
Naphthalene, 2-...	9.592	42.0	ng	2656030	3	9.869	1263550	20.0
Naphthalene, 1,...	9.651	51.4	ng	3249230	3	9.869	1263550	20.0
Naphthalene, 1,...	9.975	35.3	ng	2229510	3	9.869	1263550	20.0
Naphthalene, 2,...	10.186	46.2	ng	2916400	3	9.869	1263550	20.0
Naphthalene, 1,...	10.216	28.1	ng	1772920	3	9.869	1263550	20.0
4,6,8-Trimethyl...	10.280	39.3	ng	2485280	3	9.869	1263550	20.0
Naphthalene, 1,...	10.369	31.8	ng	2010790	3	9.869	1263550	20.0
1-Isopropenylna...	10.480	45.1	ng	2848370	3	9.869	1263550	20.0
unknown10.528	10.528	30.4	ng	1921070	3	9.869	1263550	20.0
9H-Fluoren-9-ol	10.569	41.3	ng	2609460	3	9.869	1263550	20.0