LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030620\
Data File : BF119273.D
Acq On : 7 Mar 2020 2:32
Operator : CG/JU
Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

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-BF022020.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	6.381	728	730	748	rBV	279001	426982	2.71%	0.209%
2	6.722	785	788	796	rBV	652151	580414	3.68%	0.285%
3	8.004	998	1006	1008	rBV2	810891	1097278	6.96%	0.538%
4	8.033	1008	1011	1014	rVV	5021492	4916778	31.19%	2.412%
5	8.733	1123	1130	1133	rVV	5976157	7217773	45.78%	3.540%
6	8.827	1140	1146	1149	rBV	5865208	6322437	40.11%	3.101%
7	9.080	1184	1189	1194	rBV	720802	629769	3.99%	0.309%
8	9.180	1200	1206	1211	rBV	1405037	1253221	7.95%	0.615%
9	9.280	1216	1223	1229	rVB	1995680	2426514	15.39%	1.190%
10	9.351	1229	1235	1239	rBV	3012412	4336066	27.51%	2.127%
11	9.427	1243	1248	1250	rBV	4435014	5012165	31.79%	2.459%
12	9.451	1250	1252	1256	rVB	3247846	2732147	17.33%	1.340%
13	9.539	1263	1267	1273	rBV	2576577	3056486	19.39%	1.499%
14	9.621	1278	1281	1284	rVB	2152015	1738317	11.03%	0.853%
15	9.745	1298	1302	1303	rBV	1346991	1275421	8.09%	0.626%
16	9.757	1303	1304	1307	rVV	1054487	867357	5.50%	0.425%
17	9.798	1307	1311	1314	rVV	4908170	4960836	31.47%	2.433%
18	9.869	1319	1323	1327	rVV	1059684	1502413	9.53%	0.737%
19	9.916	1327	1331	1334	rVV2	1241834	1405399	8.91%	0.689%
20	9.963	1336	1339	1343	rVV	2269107	2358541	14.96%	1.157%
21	10.004	1343	1346	1350	rVB	1385486	1195356	7.58%	0.586%
22	10.080	1355	1359	1361	rBV	1099188	1111506	7.05%	0.545%
23	10.104	1361	1363	1369	rVB	979732	914362	5.80%	0.449%
24	10.169	1369	1374	1376	rBV	915926	1398640	8.87%	0.686%
25	10.186	1376	1377	1380	rVB2	884091	542502	3.44%	0.266%
26	10.263	1388	1390	1393	rVB2	651202	511553	3.24%	0.251%
27	10.316	1393	1399	1404	rBV	4969625	5887280	37.35%	2.888%
28	10.363	1404	1407	1408	rBV	989913	1073794	6.81%	0.527%
29	10.380	1408	1410	1411	rVV	1382961	1273611	8.08%	0.625%
30	10.398	1411	1413	1415	rVV2	1937107	1544186	9.80%	0.757%
31	10.421	1415	1417	1419	rVV	758318	637004	4.04%	0.312%
32	10.445	1419	1421	1422	rVV	749170	653565	4.15%	0.321%
33	10.463	1422	1424	1429	rVB2	935191	1168568	7.41%	0.573%
34	10.551	1436	1439	1442	rBV2	755118	880497	5.59%	0.432%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030620\
Data File : BF119273.D
Acq On : 7 Mar 2020 2:32
Operator : CG/JU
Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

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-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.674	1457	1460	1465	rVB3	446070	590779	3.75%	0.290%
36	10.739	1465	1471	1475	rBV3	308059	597957	3.79%	0.293%
37	10.857	1483	1491	1494	rBV	1803176	2582293	16.38%	1.267%
38	10.886	1494	1496	1499	rBV2	1436041	1271233	8.06%	0.624%
39	10.939	1502	1505	1508	rVB	1298872	1156653	7.34%	0.567%
40	11.098	1529	1532	1537	rVV3	464212	745868	4.73%	0.366%
41	11.145	1537	1540	1546	rVB	1624935	1650310	10.47%	0.810%
42	11.298	1553	1566	1569	rBV	8675750	15764523	100.00%	7.733%
43	11.339	1569	1573	1575	rVV	5660583	5807355	36.84%	2.849%
44	11.363	1575	1577	1579	rVV2	657079	687985	4.36%	0.337%
45	11.410	1582	1585	1590	rVV2	405208	756601	4.80%	0.371%
46	11.486	1594	1598	1604	rVV	915123	1304656	8.28%	0.640%
47	11.539	1604	1607	1609	rVV	922715	780046	4.95%	0.383%
48	11.580	1609	1614	1619	rVV2	967009	1268407	8.05%	0.622%
49	11.663	1625	1628	1631	rVB	547246	632599	4.01%	0.310%
50	11.757	1639	1644	1646	rVV	3795306	4113929	26.10%	2.018%
51	11.786	1646	1649	1652	rVB	4444347	4024305	25.53%	1.974%
52	11.833	1652	1657	1660	rBV	2157402	2264241	14.36%	1.111%
53	11.868	1660	1663	1666	rVV	4797882	6525361	41.39%	3.201%
54	11.892	1666	1667	1670	rVV	3395652	2161425	13.71%	1.060%
55	12.045	1685	1693	1695	rVV2	2122533	2348354	14.90%	1.152%
56	12.080	1697	1699	1703	rVB2	393077	438281	2.78%	0.215%
57	12.192	1716	1718	1721	rVV	863247	732393	4.65%	0.359%
58	12.227	1721	1724	1726	rVV	687851	667131	4.23%	0.327%
59	12.304	1732	1737	1739	rBV	1898911	2204957	13.99%	1.082%
60	12.327	1739	1741	1742	rVV	1207505	1191686	7.56%	0.585%
61	12.345	1742	1744	1749	rVV	2312683	2412943	15.31%	1.184%
62	12.398	1749	1753	1756	rVV3	685813	1160855	7.36%	0.569%
63	12.474	1761	1766	1769	rBV	5539656	7498231	47.56%	3.678%
64	12.504	1769	1771	1773	rVV	479377	439018	2.78%	0.215%
65	12.527	1773	1775	1782	rVB4	668406	845998	5.37%	0.415%
66	12.615	1787	1790	1794	rBV2	386572	435925	2.77%	0.214%
67	12.710	1799	1806	1809	rBV	6461212	10593234	67.20%	5.196%
68	12.745	1809	1812	1816	rVB2	661096	763931	4.85%	0.375%
69	12.827	1816	1826	1828	rBV3	755248	1318539	8.36%	0.647%
70	12.851	1828	1830	1836	rVB2	342739	441660	2.80%	0.217%
71	12.910	1836	1840	1847	rBV2	1227943	1951421	12.38%	0.957%

LSC Area Percent Report

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Acq On : 7 Mar 2020 2:32
Operator : CG/JU
Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

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-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.021	1851	1859	1862	rVB	2258165	3535485	22.43%	1.734%
73	13.092	1866	1871	1873	rBV	2226862	2271173	14.41%	1.114%
74	13.127	1873	1877	1881	rVV2	1702253	2087232	13.24%	1.024%
75	13.221	1889	1893	1895	rBV	1263086	1166023	7.40%	0.572%
76	13.251	1895	1898	1901	rVB	1524665	1264420	8.02%	0.620%
77	13.445	1929	1931	1937	rVB	514266	728472	4.62%	0.357%
78	13.504	1937	1941	1944	rBV2	542145	856553	5.43%	0.420%
79	13.533	1944	1946	1950	rVB2	431447	433349	2.75%	0.213%
80	13.639	1959	1964	1966	rBV2	596723	841330	5.34%	0.413%
81	13.662	1966	1968	1971	rVB	1158990	933176	5.92%	0.458%
82	13.692	1971	1973	1976	rBV	500775	524649	3.33%	0.257%
83	13.886	2000	2006	2010	rBV2	3826348	6174062	39.16%	3.029%
84	13.927	2010	2013	2016	rVV	3927450	3863967	24.51%	1.895%
85	13.998	2023	2025	2030	rVV	796067	768388	4.87%	0.377%
86	14.045	2030	2033	2038	rVB3	365672	495421	3.14%	0.243%
87	14.280	2068	2073	2076	rBV	1444021	1570424	9.96%	0.770%
88	14.309	2076	2078	2081	rVB	766396	680956	4.32%	0.334%
89	14.357	2081	2086	2088	rBV2	535181	742031	4.71%	0.364%
90	14.380	2088	2090	2092	rVB	539509	427081	2.71%	0.209%
91	14.404	2092	2094	2096	rBV	732573	795332	5.05%	0.390%
92	14.468	2101	2105	2108	rVV2	502878	683822	4.34%	0.335%
93	14.921	2177	2182	2184	rBV	1826452	2638709	16.74%	1.294%
94	15.021	2195	2199	2202	rVB	503766	531214	3.37%	0.261%
95	15.204	2227	2230	2236	rVB	1111361	1316562	8.35%	0.646%
96	15.268	2236	2241	2247	rBV	1967486	2672039	16.95%	1.311%
97	15.321	2247	2250	2253	rVV	426204	502655	3.19%	0.247%
98	15.351	2253	2255	2262	rVB2	384043	566772	3.60%	0.278%
99	16.733	2484	2490	2497	rVB	521574	1018647	6.46%	0.500%
100	17.156	2557	2562	2571	rVB	359446	733691	4.65%	0.360%

Sum of corrected areas: 203863456

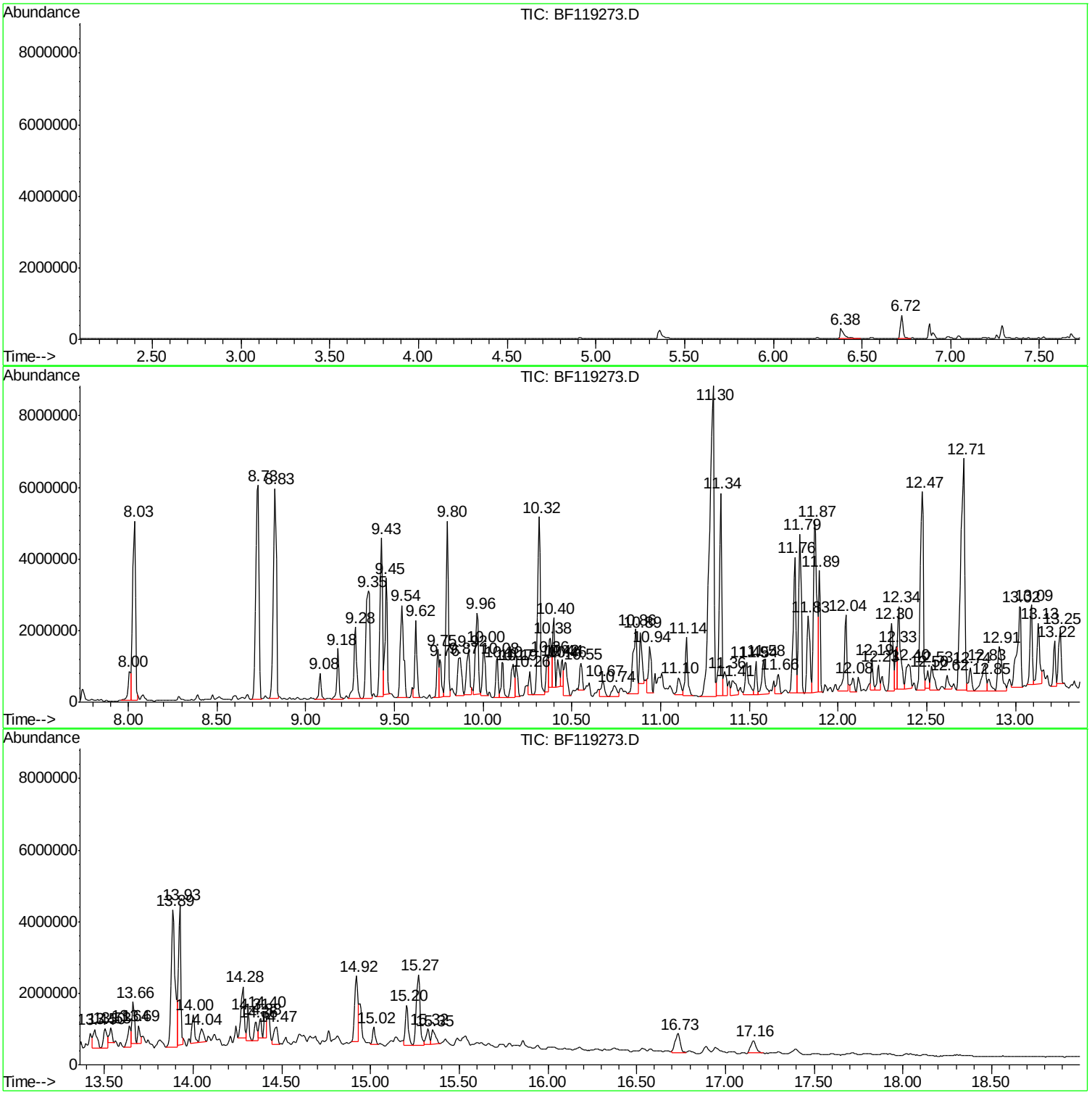
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030620\
Data File : BF119273.D
Acq On : 7 Mar 2020 2:32
Operator : CG/JU
Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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\BF030620\
Data File : BF119273.D
Acq On : 7 Mar 2020 2:32
Operator : CG/JU
Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

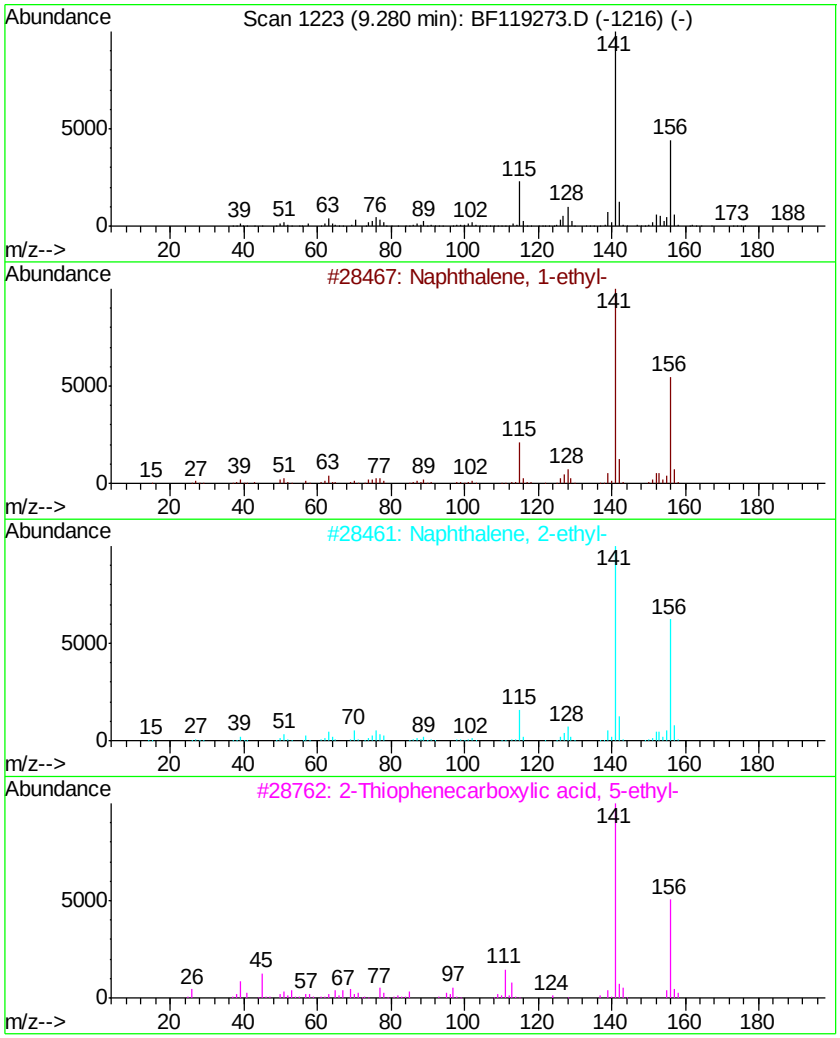
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

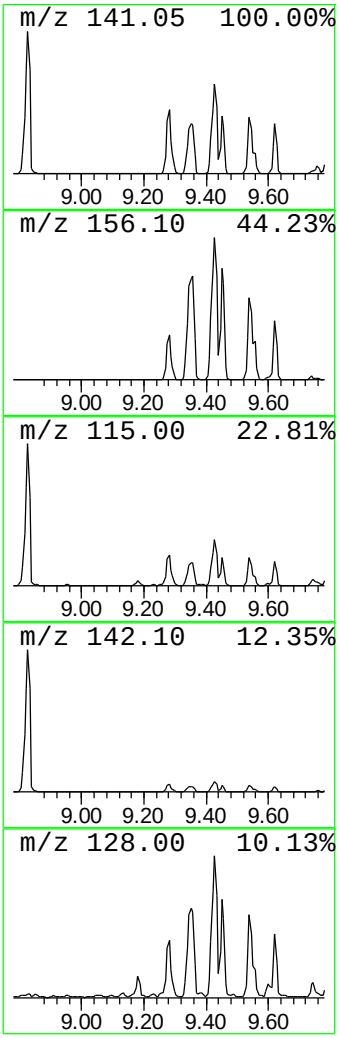
****

Peak Number 1 Naphthalene, 1-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	55.95 ng	2426510	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59
4	1-Ethanone, 1-[4-(1-naphthalenyl...	276	C19H16O2	1000338-30-5	47
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030620\
Data File : BF119273.D
Acq On : 7 Mar 2020 2:32
Operator : CG/JU
Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

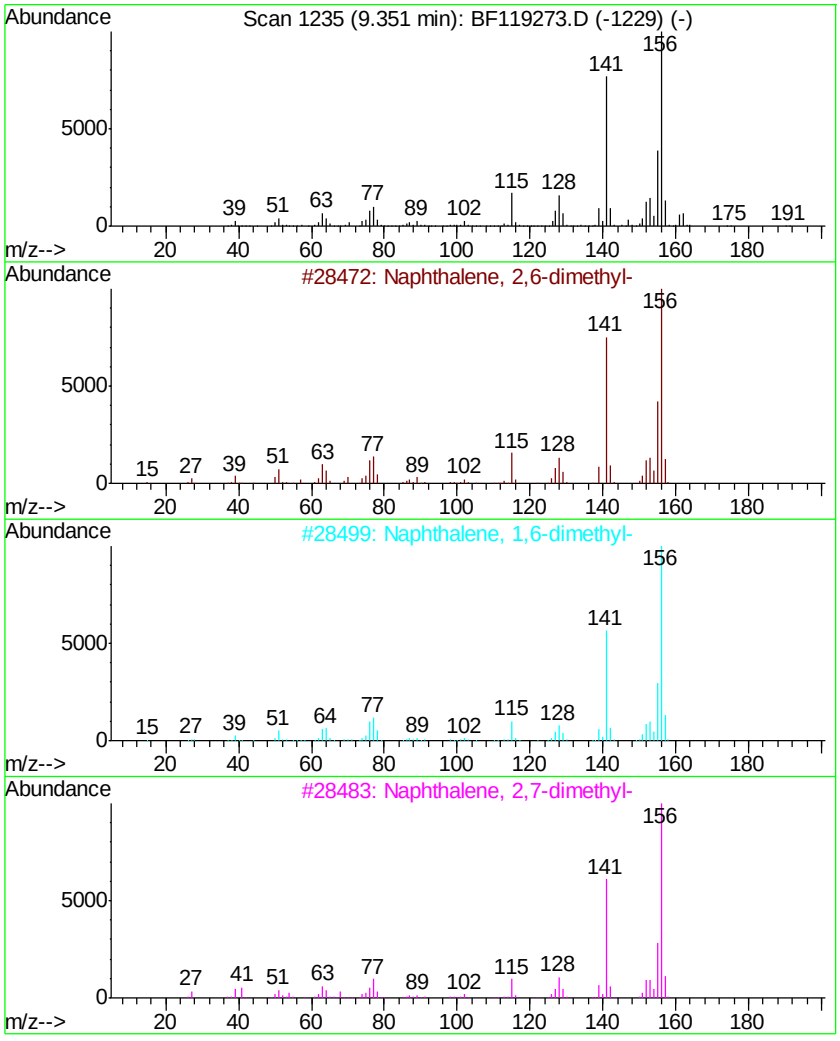
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

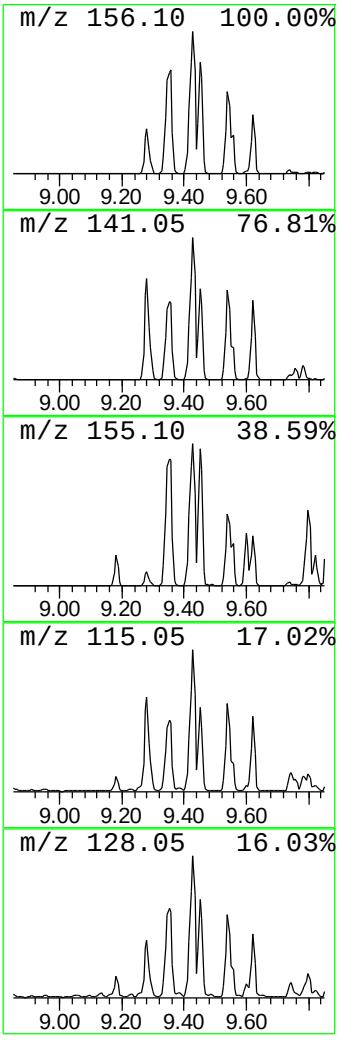
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	99.98 ng	4336070	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030620\
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Acq On : 7 Mar 2020 2:32
Operator : CG/JU
Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

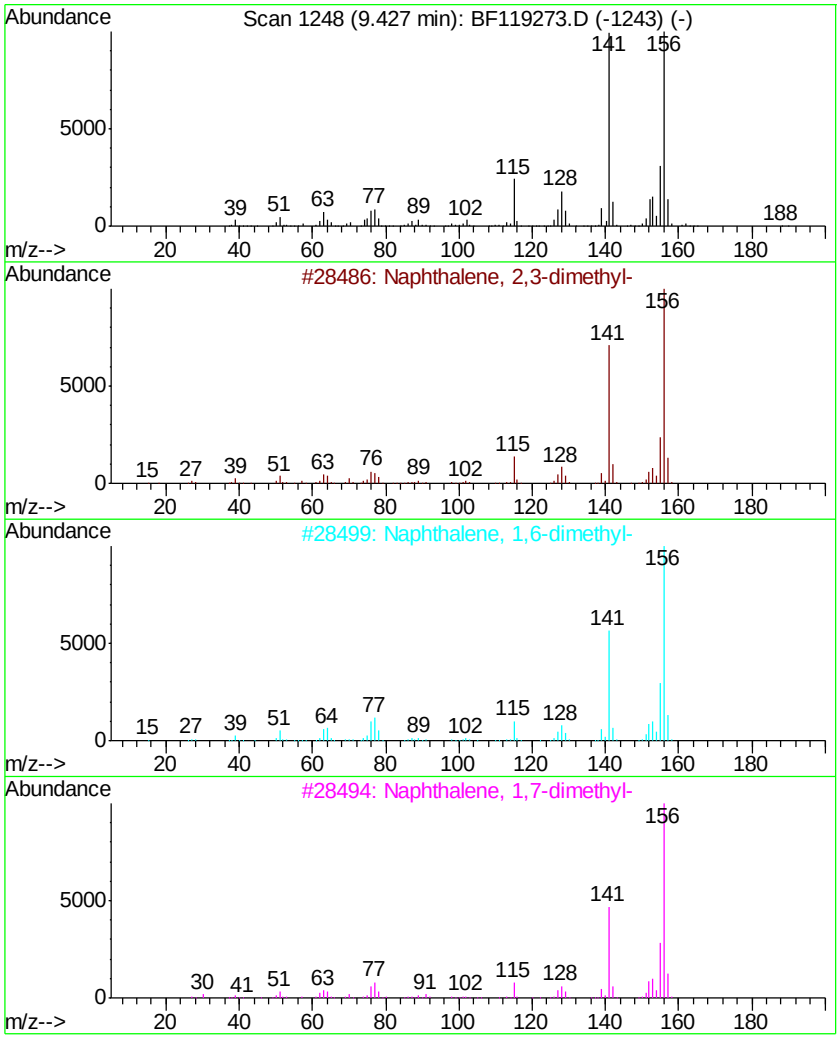
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

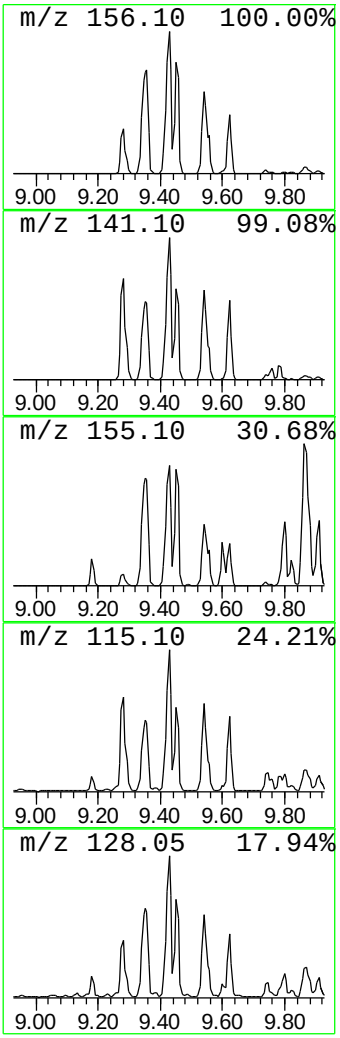
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	115.57 ng	5012170	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030620\
Data File : BF119273.D
Acq On : 7 Mar 2020 2:32
Operator : CG/JU
Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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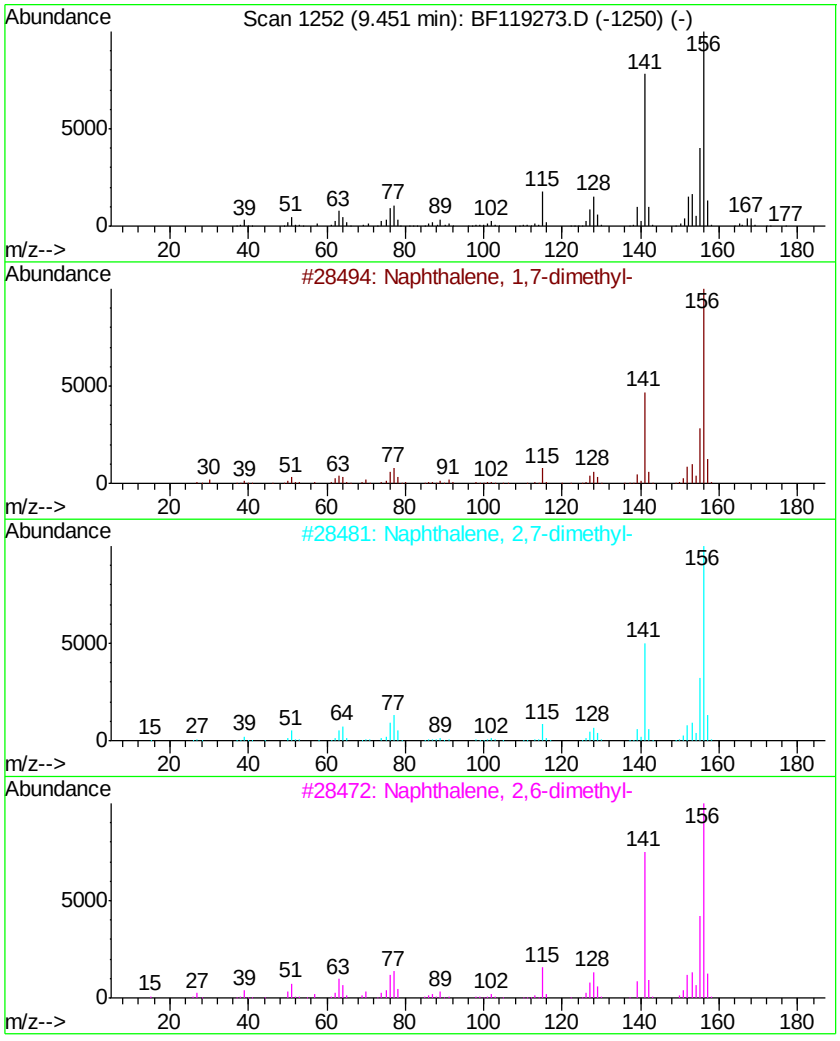
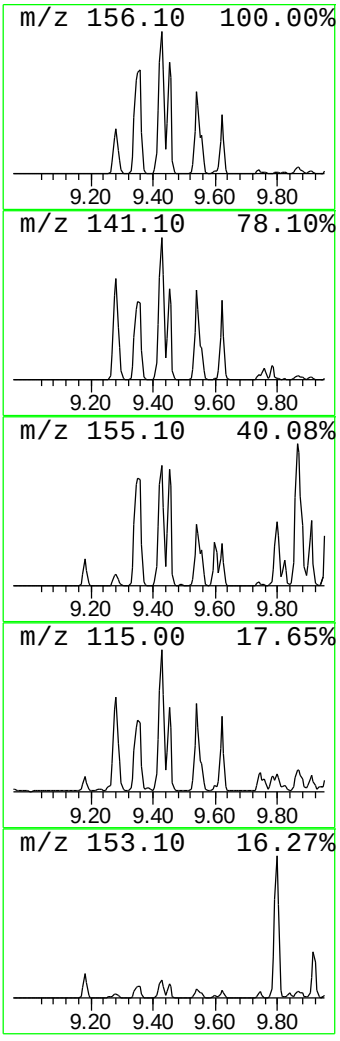
Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	63.00 ng	2732150	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030620\
Data File : BF119273.D
Acq On : 7 Mar 2020 2:32
Operator : CG/JU
Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

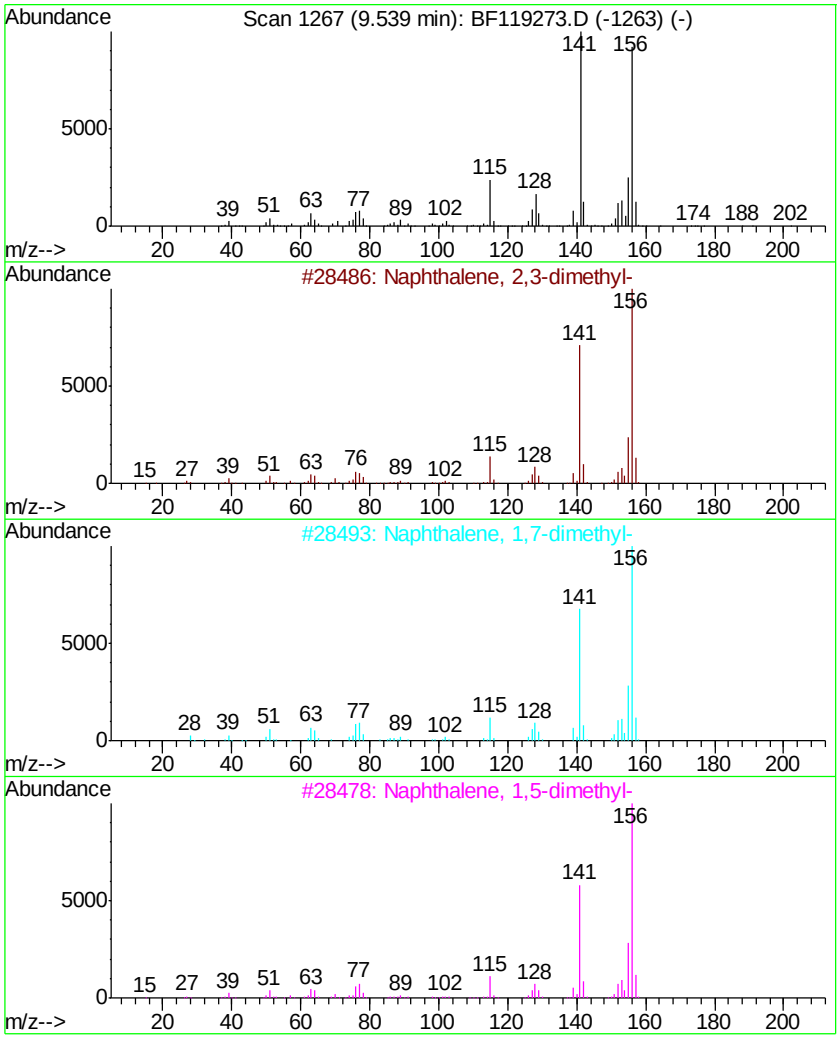
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

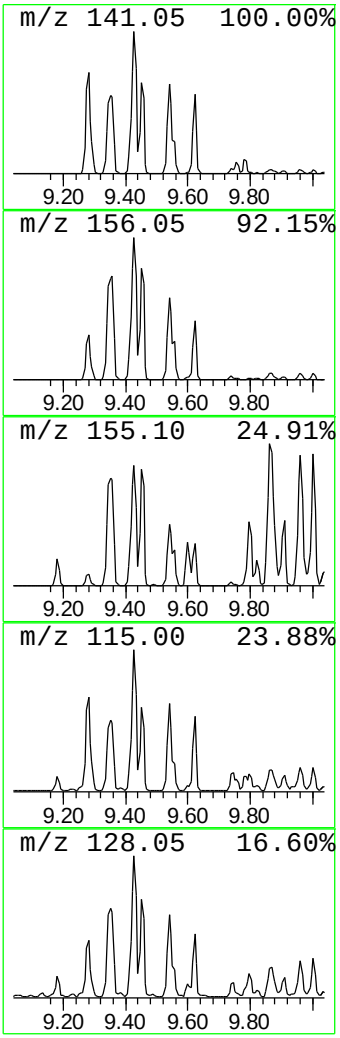
****

Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	70.48 ng	3056490	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





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Acq On : 7 Mar 2020 2:32
Operator : CG/JU
Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

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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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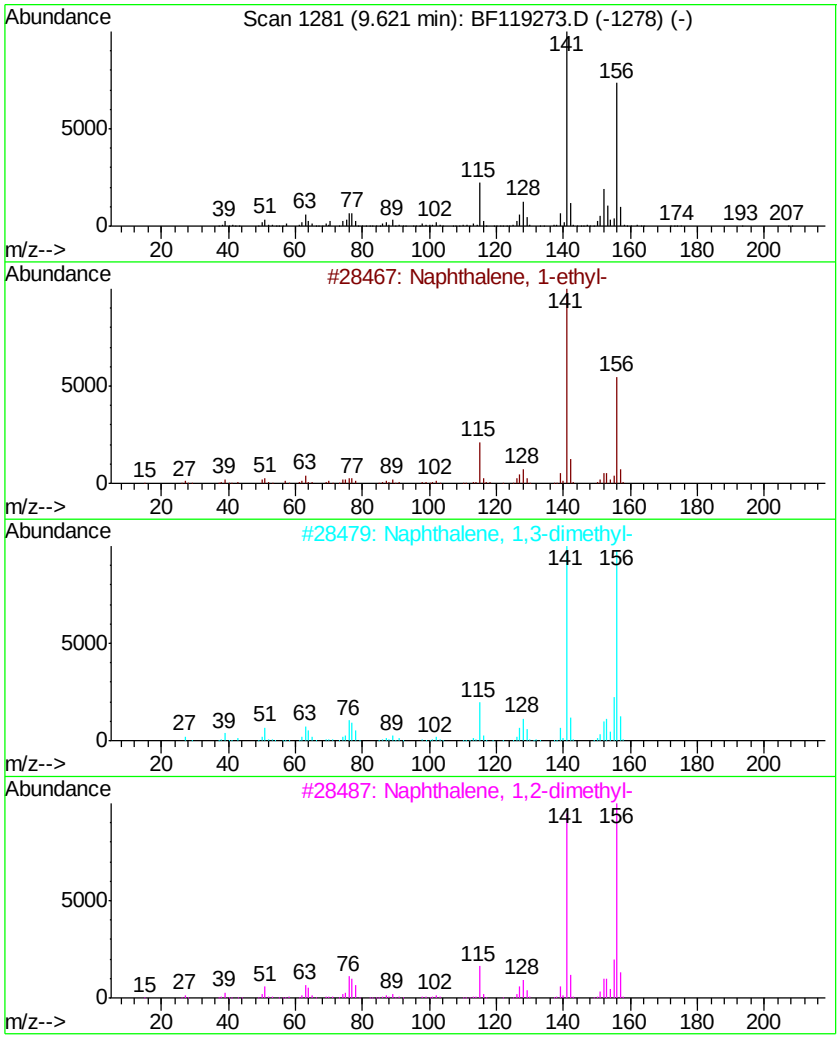
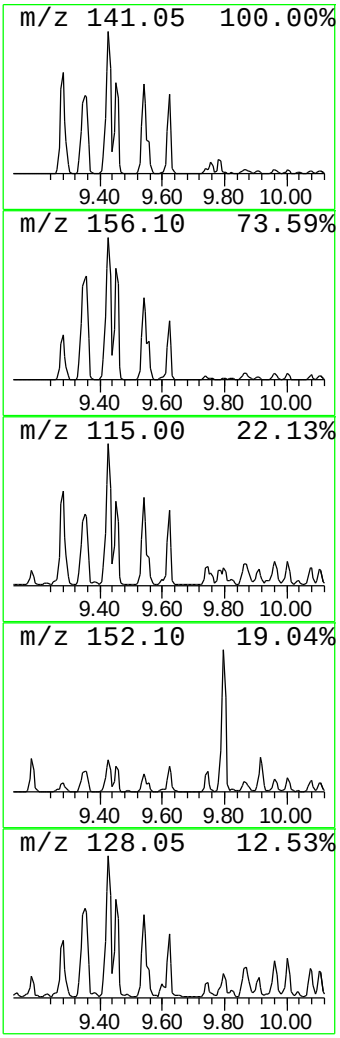
Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	40.08 ng	1738320	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	87





Library Search Compound Report

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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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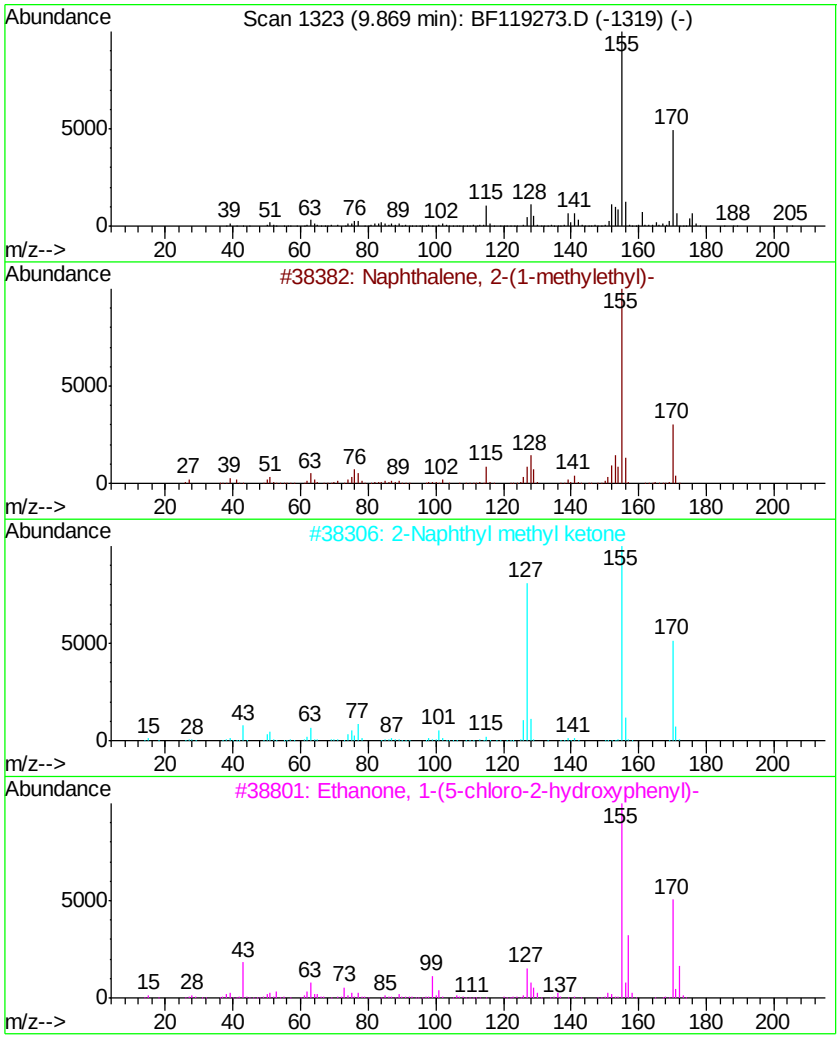
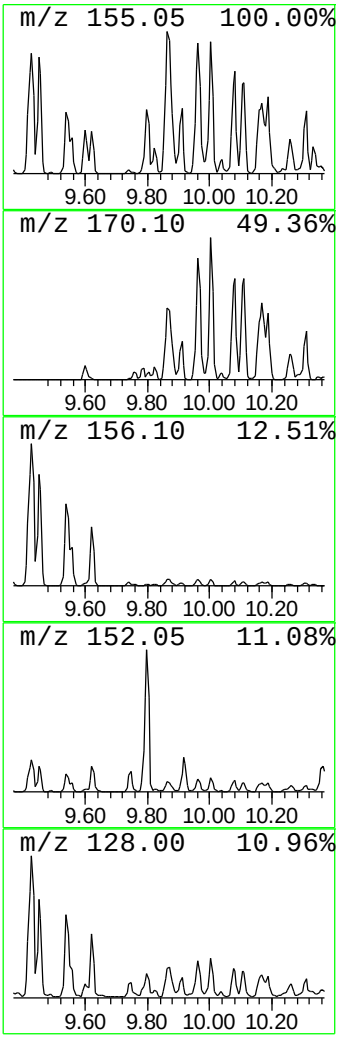
Peak Number 7 Naphthalene, 2-(1-methyleth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.87	34.64 ng	1502410	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
2	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72
3	Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	72
5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	72





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

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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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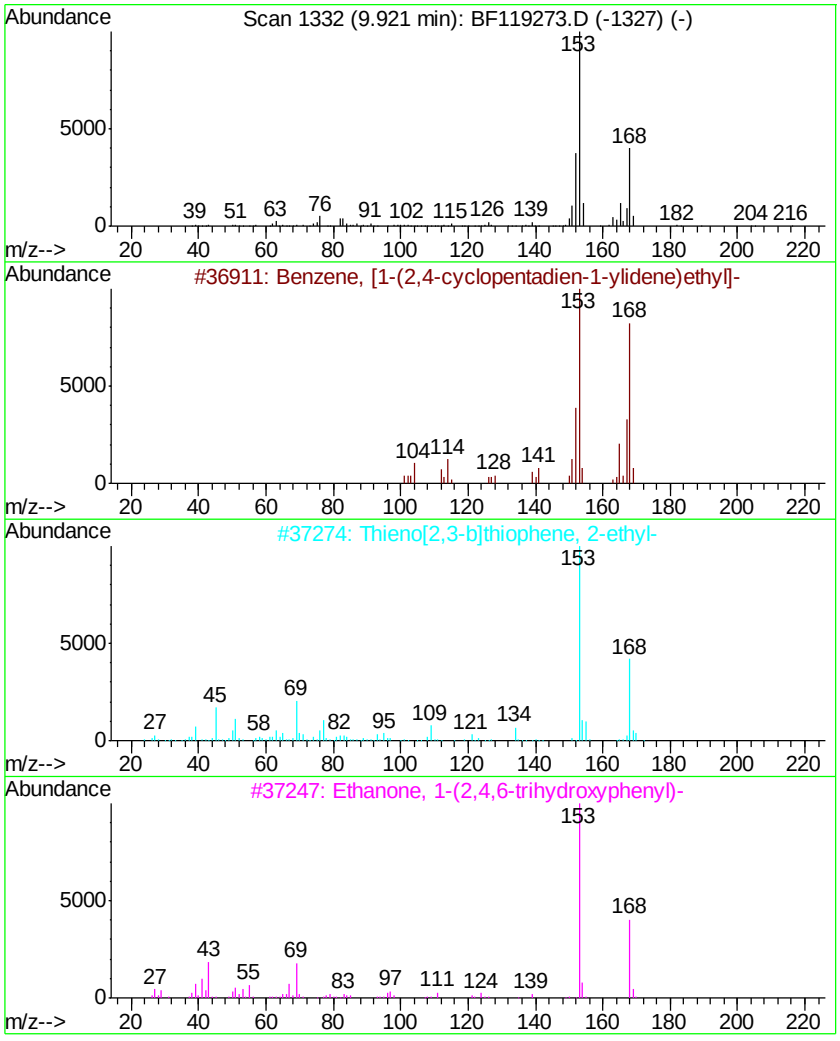
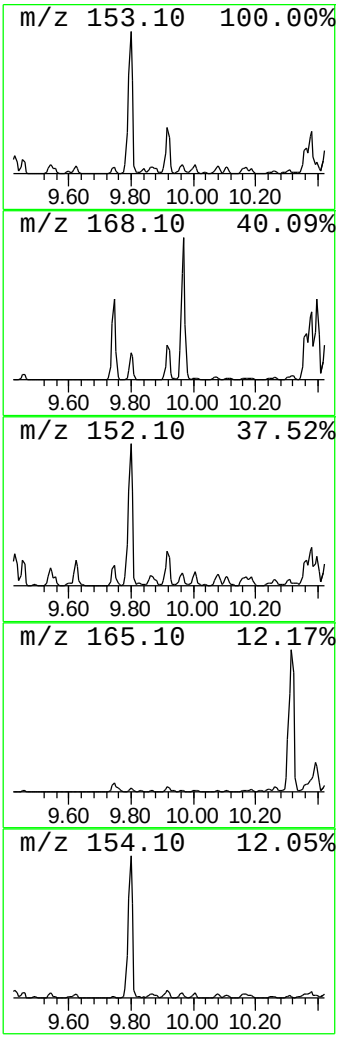
Peak Number 8 Thieno[2,3-b]thiophene, 2-e... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	32.41 ng	1405400	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	56
2	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	53
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	52
4	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	50
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50





Library Search Compound Report

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Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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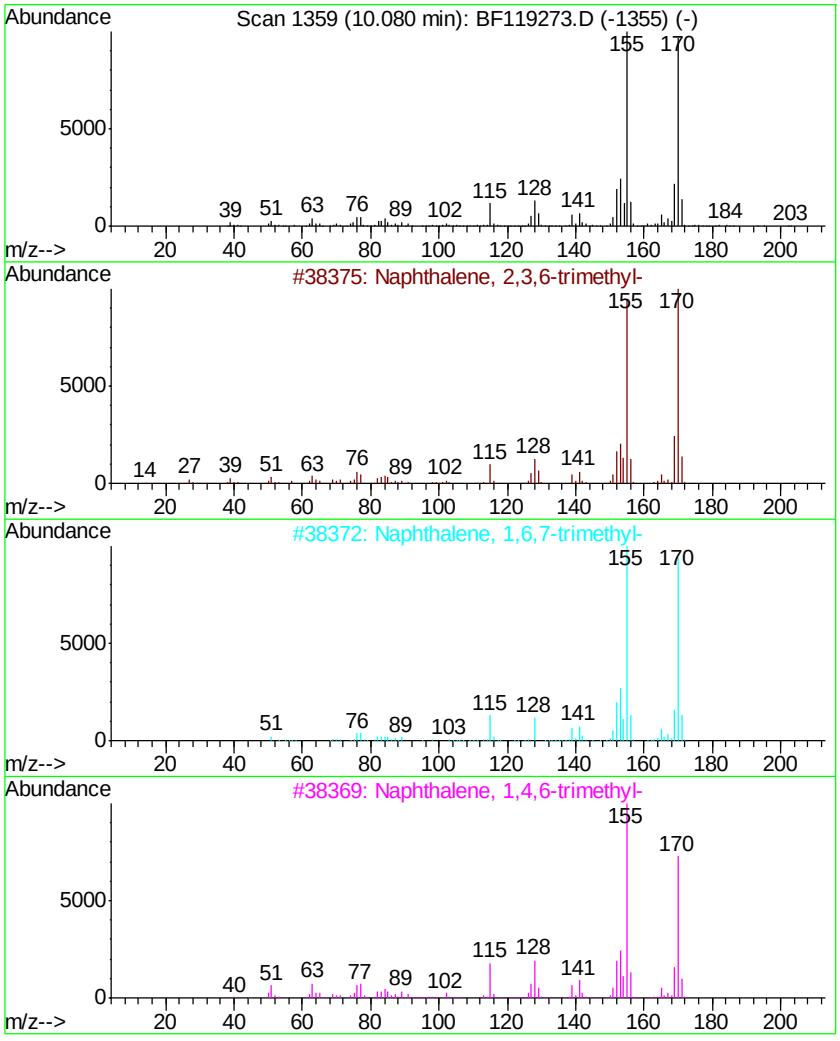
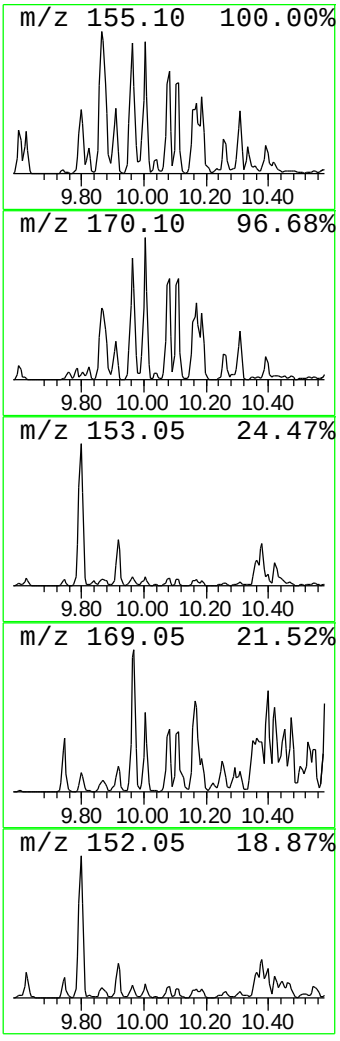
Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	25.63 ng	1111510	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90





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Operator : CG/JU
Sample : L1761-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-030420

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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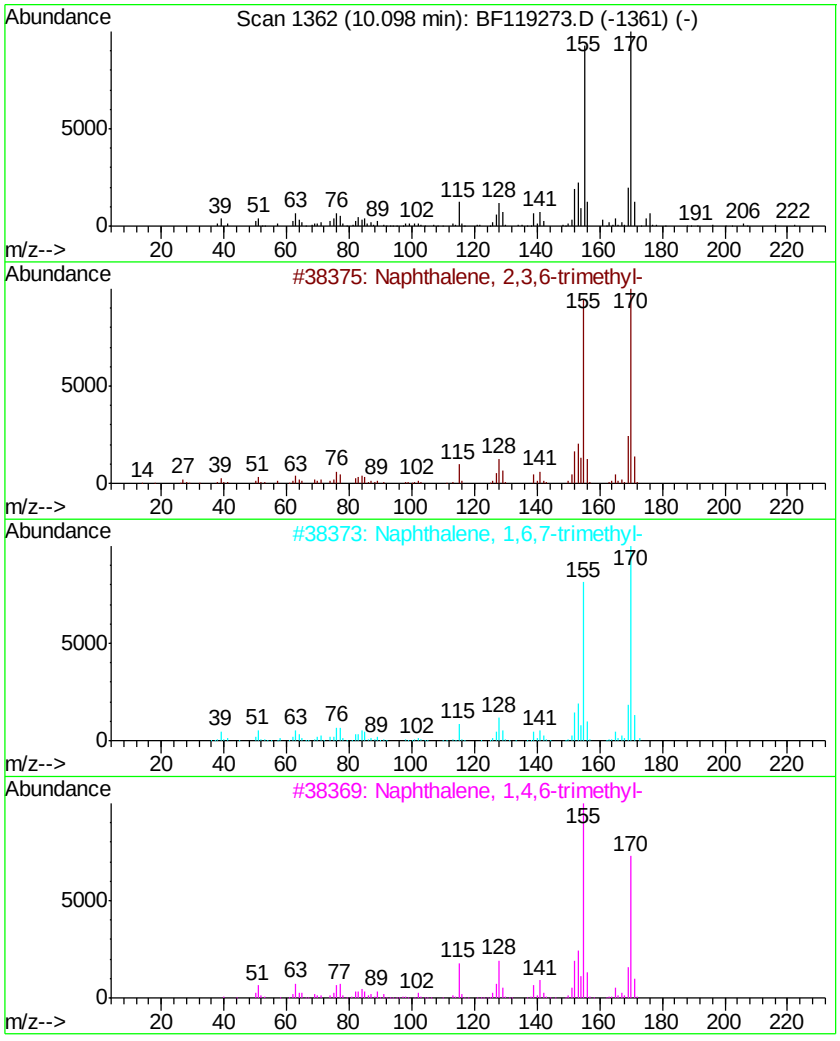
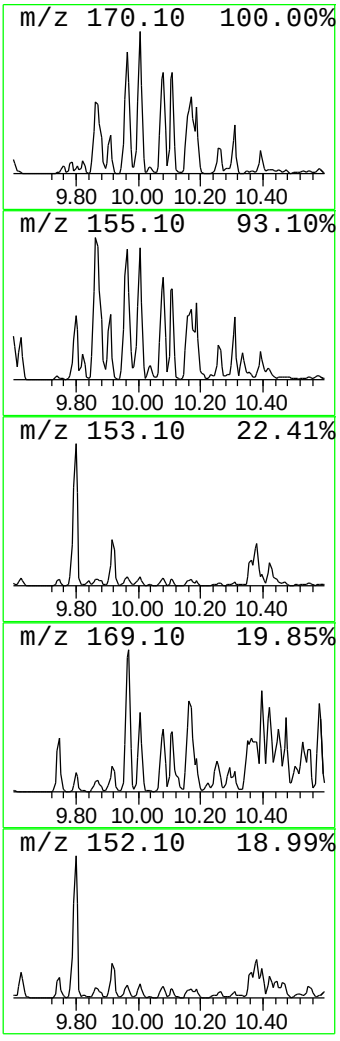
Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	21.08 ng	914362	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
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	93





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Sample : L1761-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-030420

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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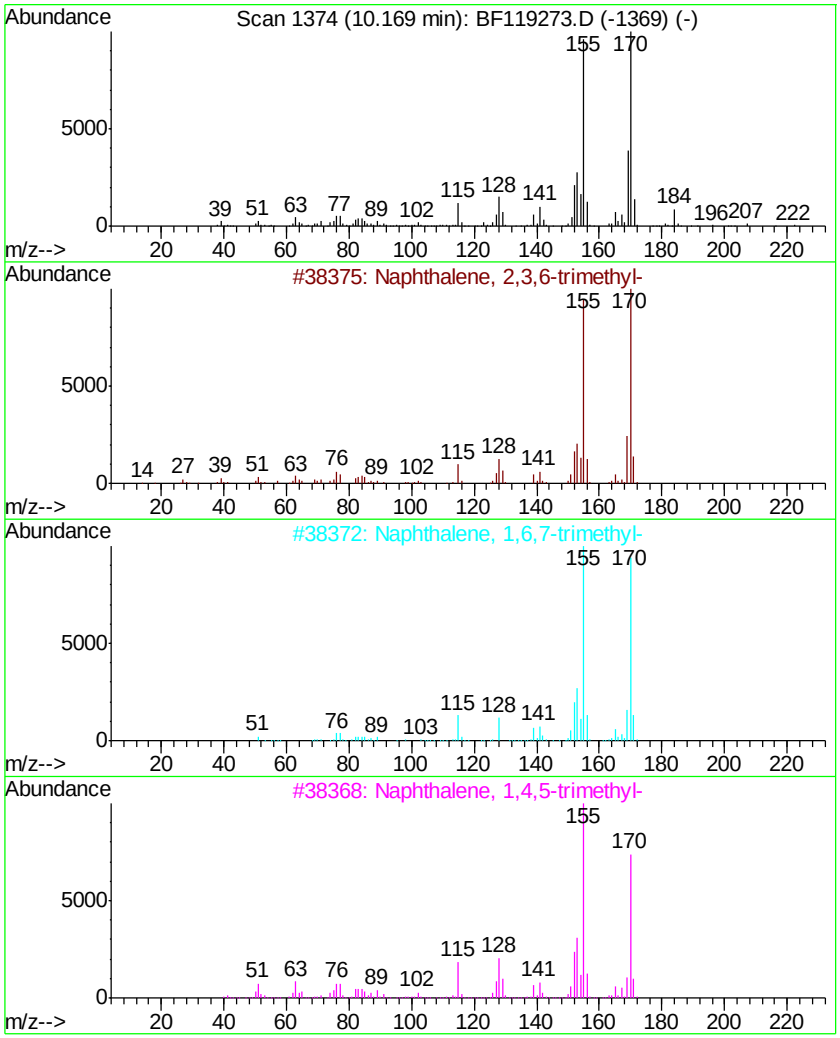
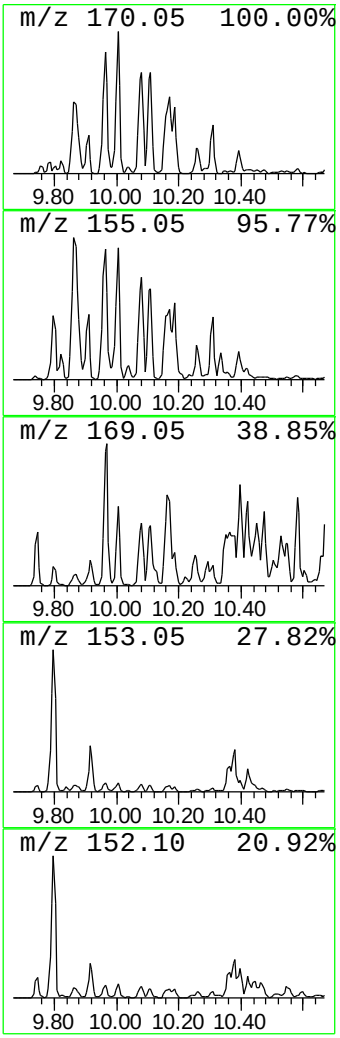
Peak Number 11 Naphthalene, 1,4,5-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	32.25 ng	1398640	Acenaphthene-d10	9.76

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, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





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Operator : CG/JU
Sample : L1761-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-030420

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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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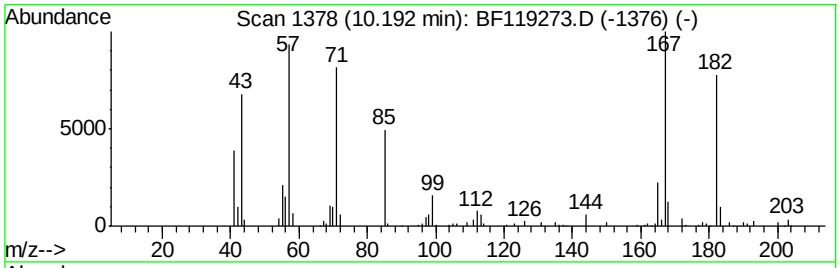
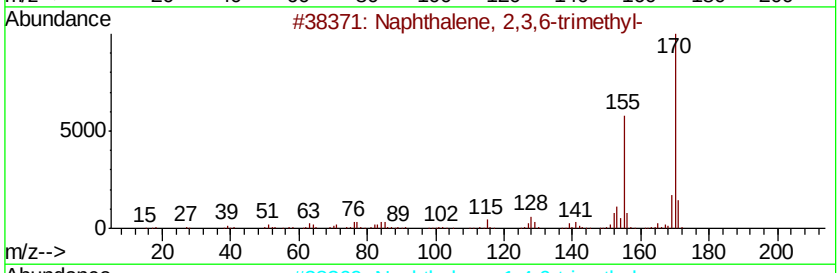
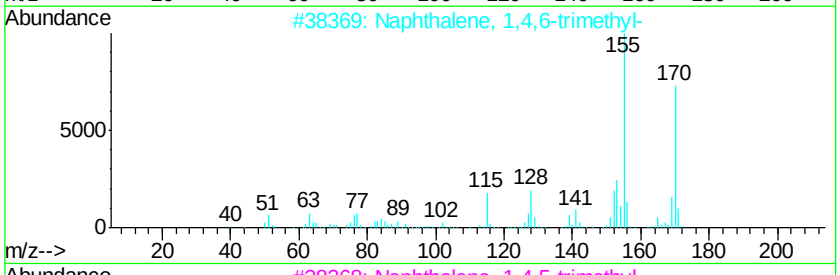
Peak Number 12 4,6,8-Trimethylazulene Concentration Rank 19

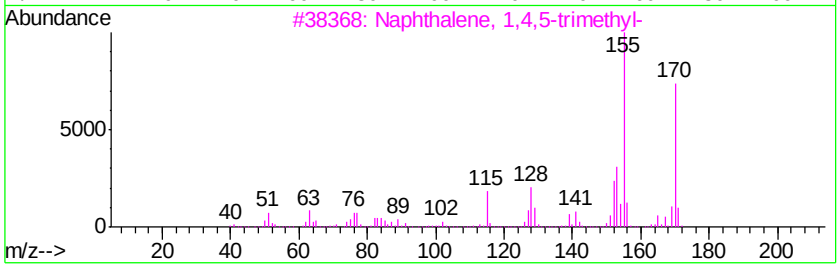
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.19	12.51 ng	542502	Acenaphthene-d10	9.76

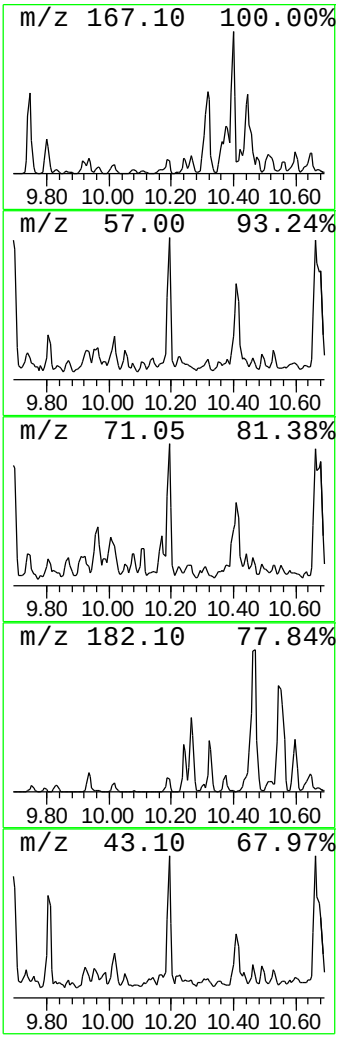
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	81
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	81
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	78
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	74
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	58











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Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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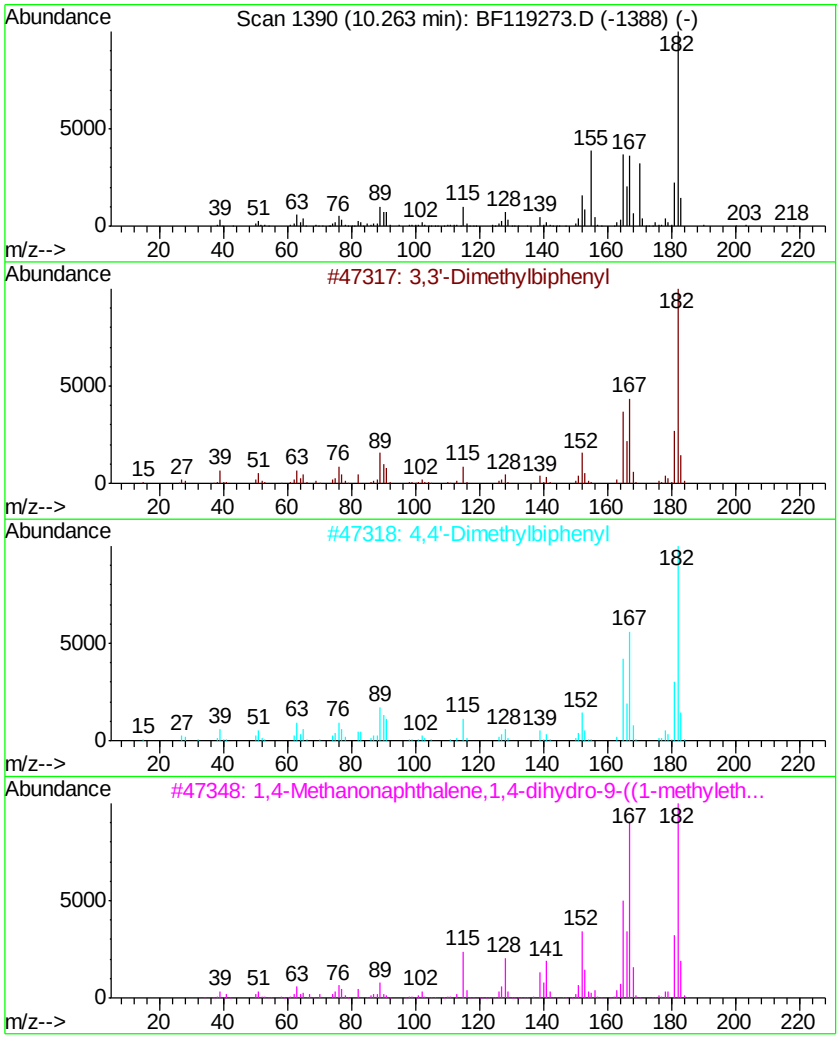
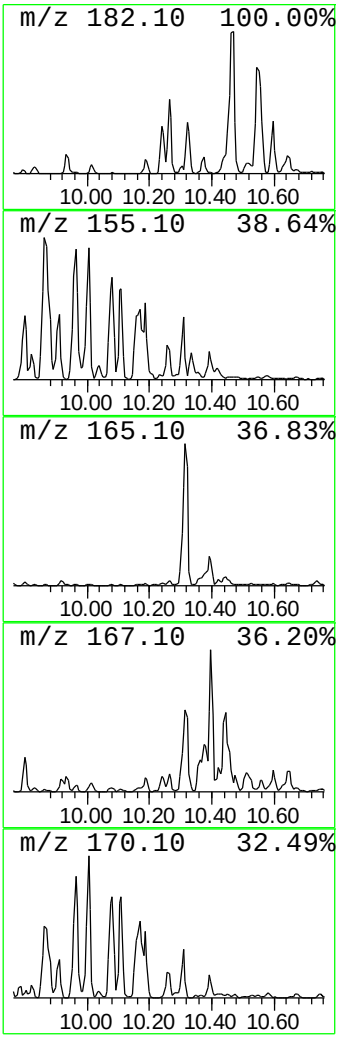
Peak Number 13 3,3'-Dimethylbiphenyl Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	11.80 ng	511553	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	94
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	93
3	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	64
4	3-Ethyl-1,2-dihydro-6-methyl-5-n...	182	C8H10N2O3	1000241-09-2	47
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	46





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Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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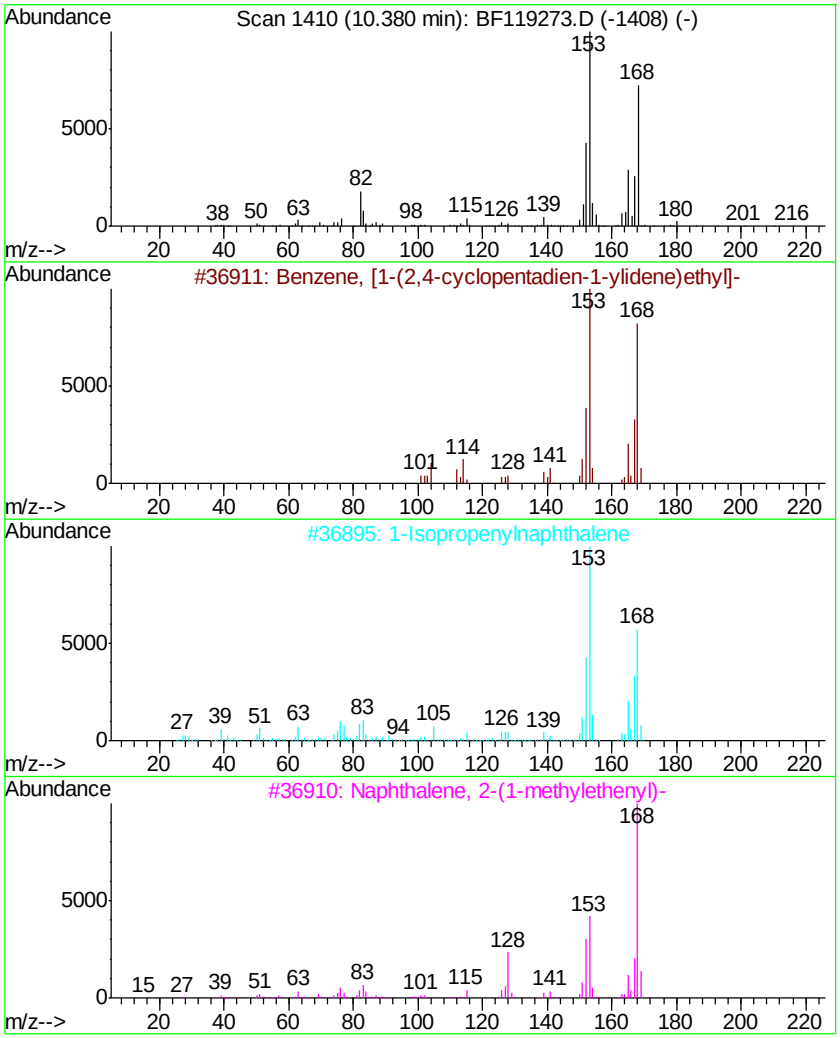
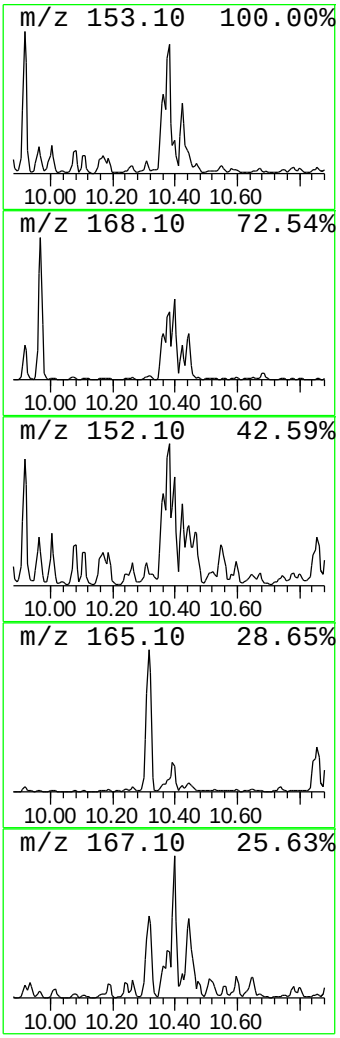
Peak Number 14 1-Isopropenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	29.37 ng	1273610	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	64
3	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	58
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	43
5	Benzeneacetonitrile, 2,6-difluoro-	153	C8H5F2N	000654-01-3	37





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Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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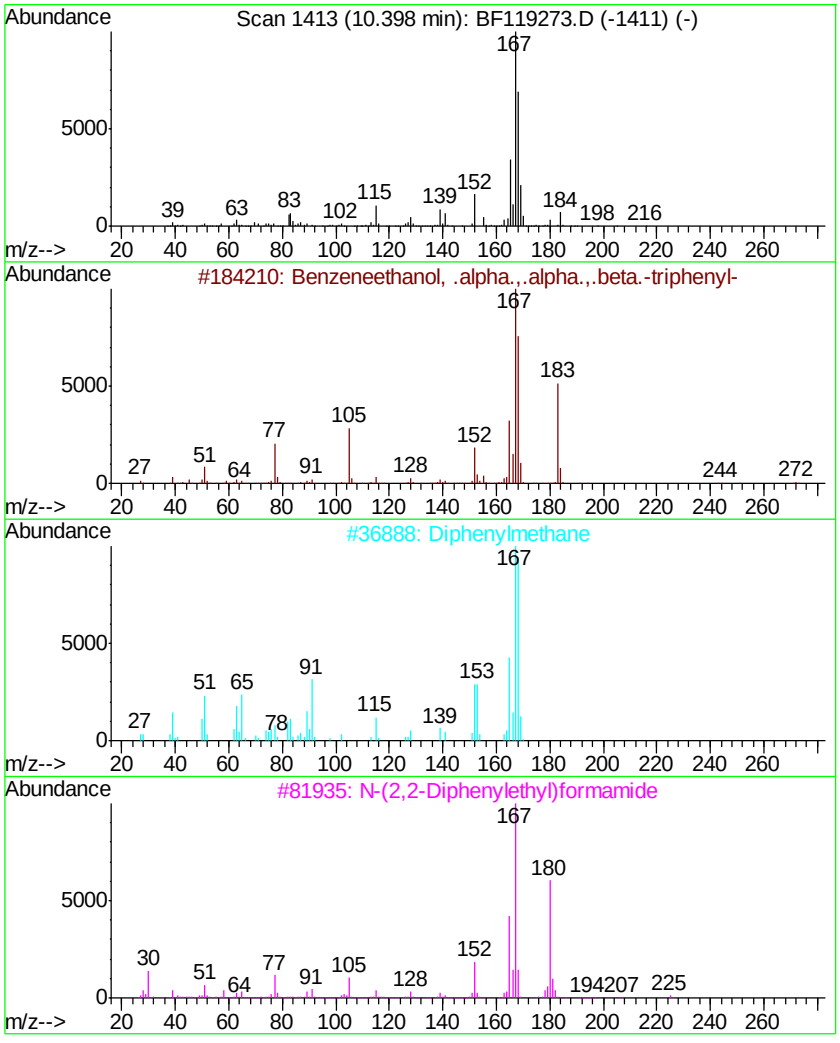
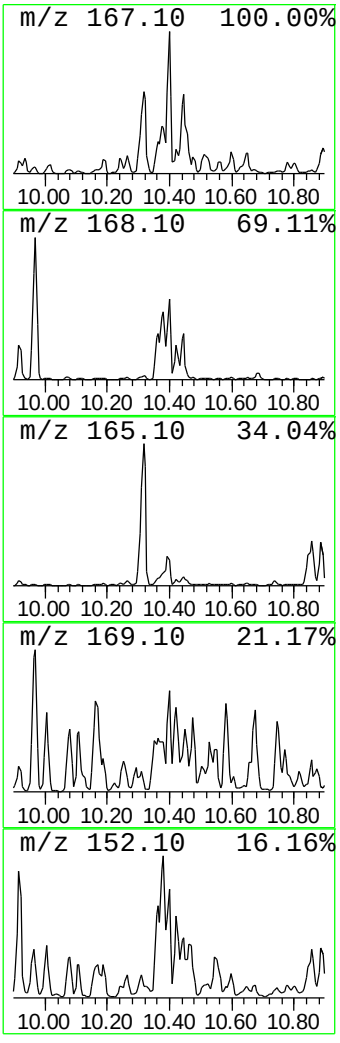
Peak Number 15 Benzeneethanol, .alpha.,.al... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	35.61 ng	1544190	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	86
2	Diphenylmethane	168	C13H12	000101-81-5	64
3	N-(2,2-Diphenylethyl)formamide	225	C15H15NO	019501-33-8	53
4	Benzene, 1,1'-[[(4-methylphenyl)...	290	C20H18S	032110-49-9	53
5	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	50





Library Search Compound Report

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Operator : CG/JU
Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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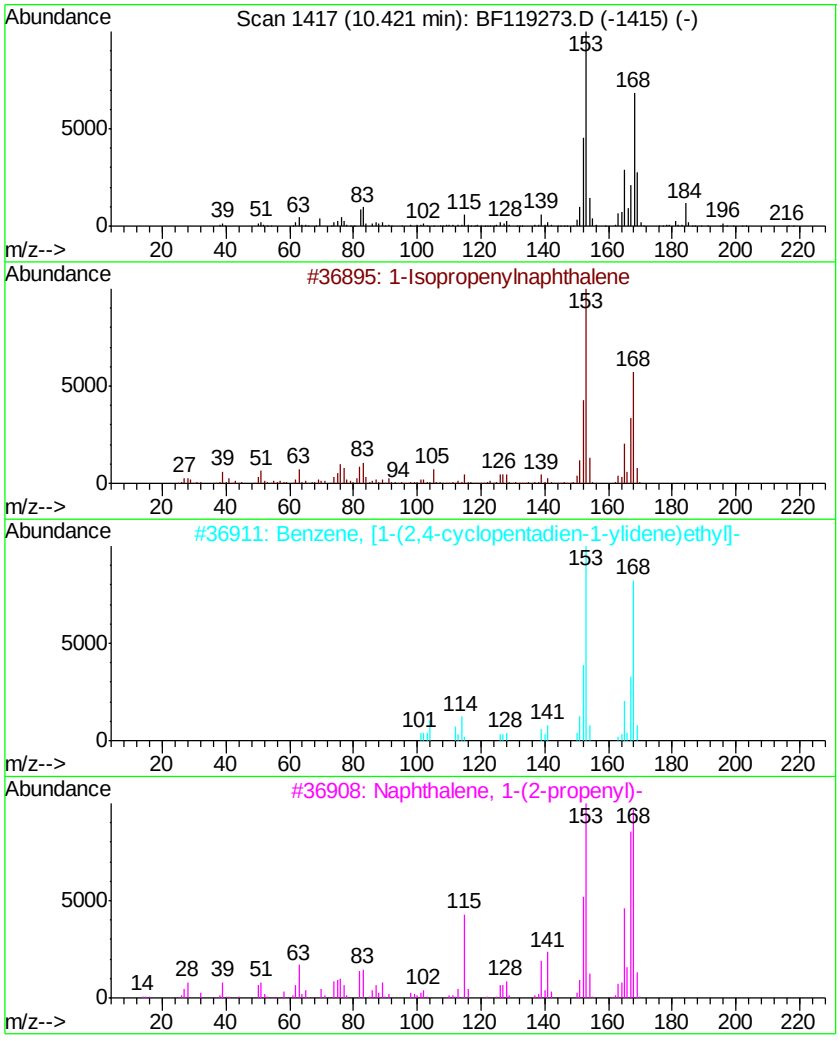
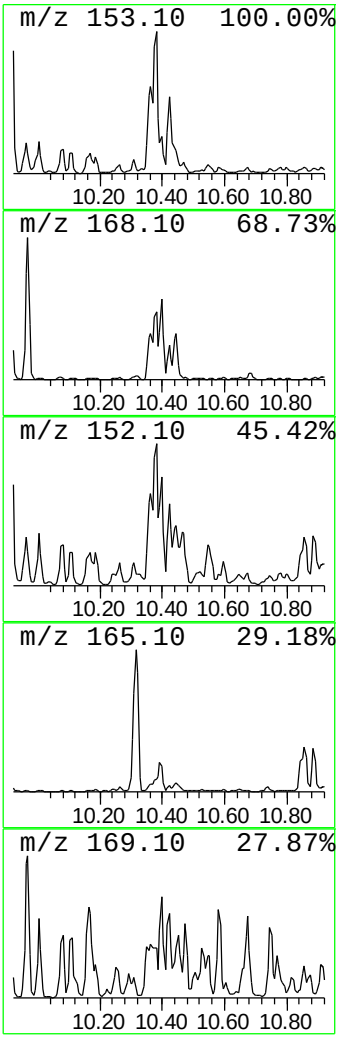
Peak Number 16 Benzene, [1-(2,4-cyclopenta... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	14.69 ng	637004	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	68
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	53
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	47
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	43
5	1-Fluoro-1-hex-1-ynyl-2,2-dimeth...	168	C11H17F	1000300-49-2	38





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Operator : CG/JU
Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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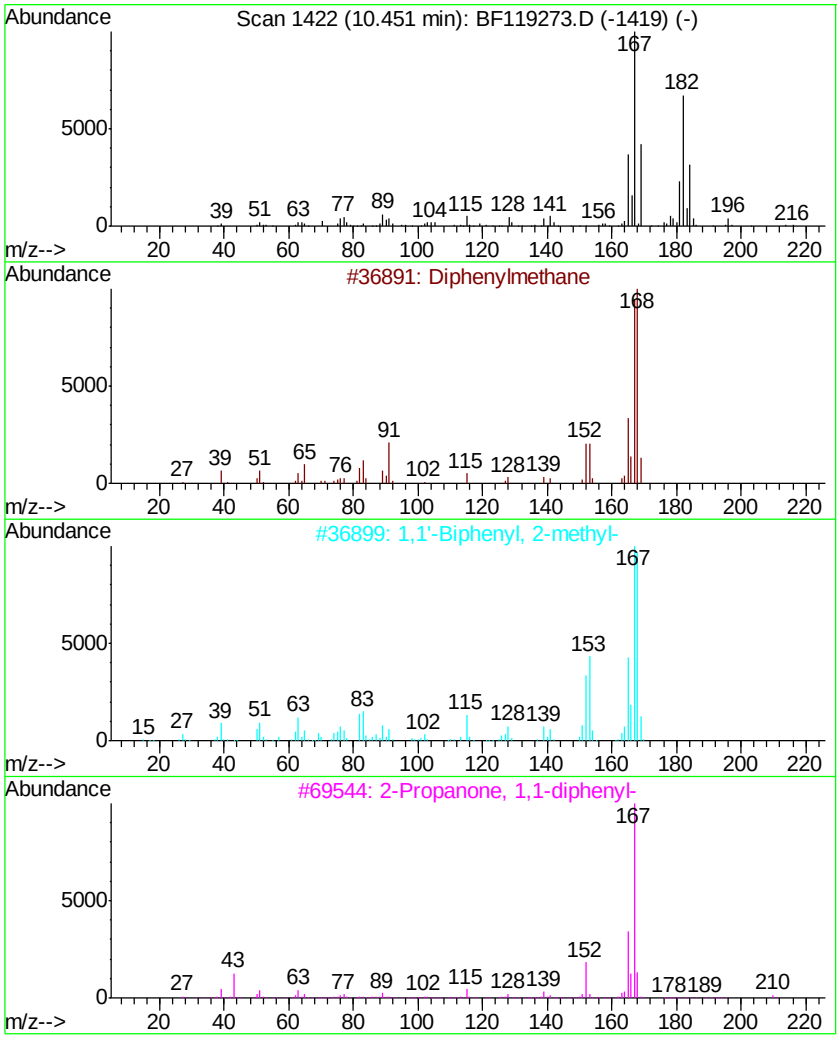
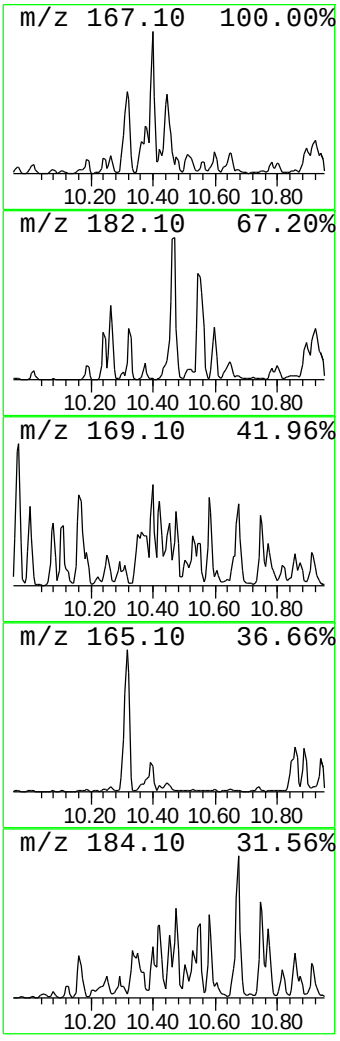
Peak Number 17 Diphenylmethane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	15.07 ng	653565	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	74
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	72
3	2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	52
4	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	52
5	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	50





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Operator : CG/JU
Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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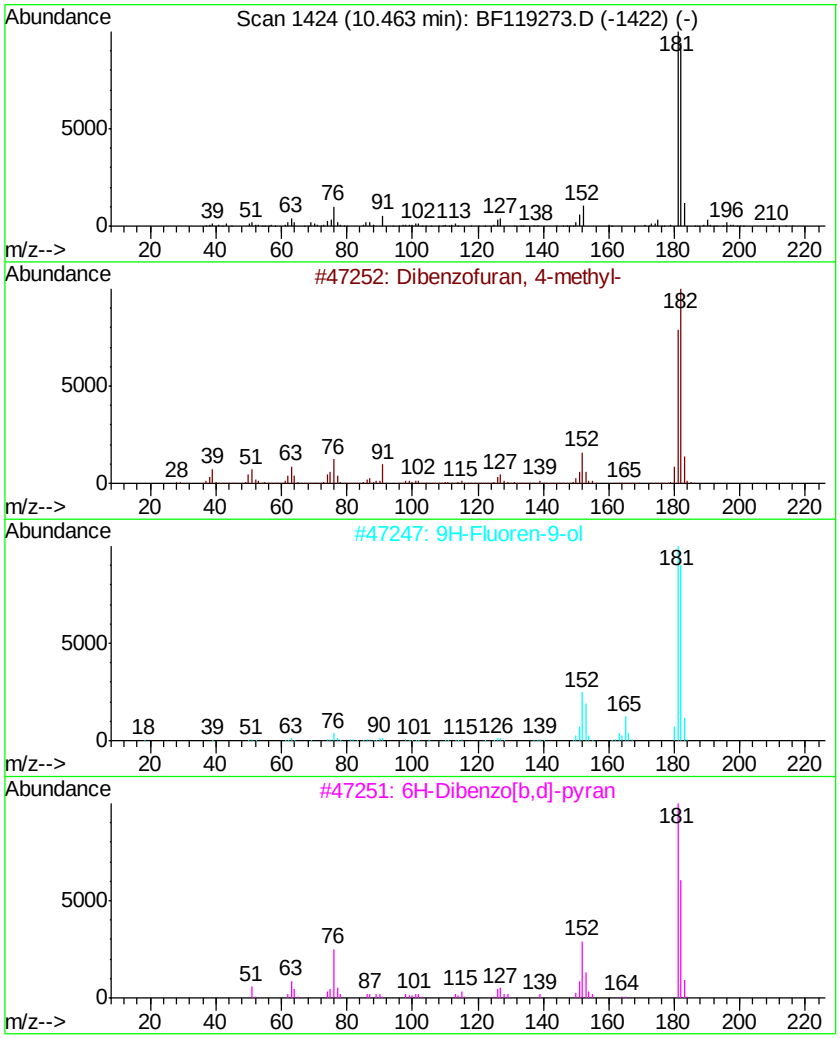
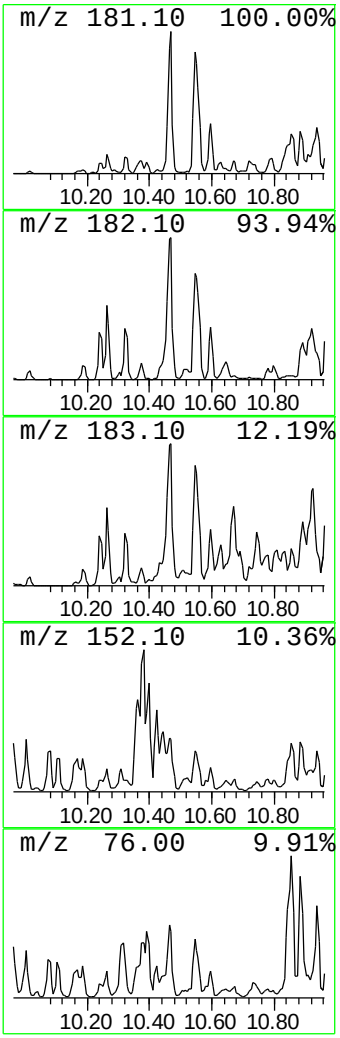
Peak Number 18 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	26.95 ng	1168570	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





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Data File : BF119273.D
Acq On : 7 Mar 2020 2:32
Operator : CG/JU
Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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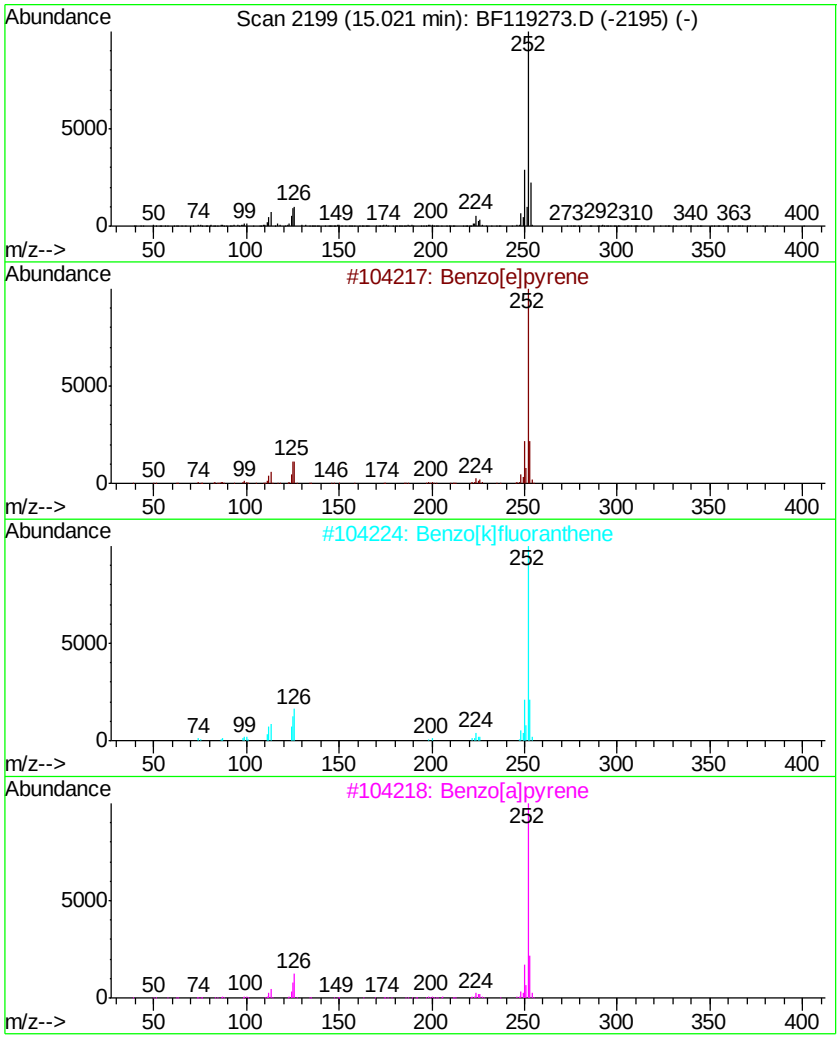
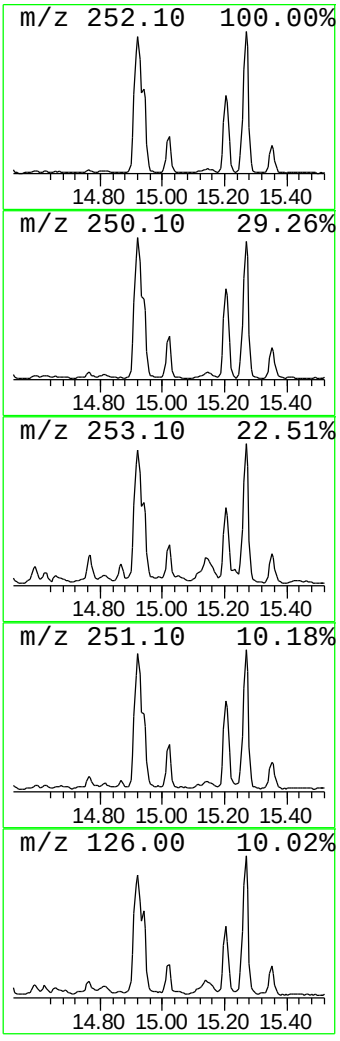
Peak Number 19 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	21.14 ng	531214	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

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Data File : BF119273.D
Acq On : 7 Mar 2020 2:32
Operator : CG/JU
Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-030420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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
Naphthalene, 1-et...	9.28	56.0	ng	2426510	3	9.76	867357	20.0
Naphthalene, 2,6-...	9.35	100.0	ng	4336070	3	9.76	867357	20.0
Naphthalene, 2,3-...	9.43	115.6	ng	5012170	3	9.76	867357	20.0
Naphthalene, 1,7-...	9.45	63.0	ng	2732150	3	9.76	867357	20.0
Naphthalene, 1,5-...	9.54	70.5	ng	3056490	3	9.76	867357	20.0
Naphthalene, 1,3-...	9.62	40.1	ng	1738320	3	9.76	867357	20.0
Naphthalene, 2-(1...	9.87	34.6	ng	1502410	3	9.76	867357	20.0
Thieno[2,3-b]thio...	9.92	32.4	ng	1405400	3	9.76	867357	20.0
Naphthalene, 2,3,...	10.08	25.6	ng	1111510	3	9.76	867357	20.0
Naphthalene, 1,6,...	10.10	21.1	ng	914362	3	9.76	867357	20.0
Naphthalene, 1,4,...	10.17	32.3	ng	1398640	3	9.76	867357	20.0
4,6,8-Trimethylaz...	10.19	12.5	ng	542502	3	9.76	867357	20.0
3,3'-Dimethylbiph...	10.26	11.8	ng	511553	3	9.76	867357	20.0
1-Isopropenylnaph...	10.38	29.4	ng	1273610	3	9.76	867357	20.0
Benzeneethanol, ...	10.40	35.6	ng	1544190	3	9.76	867357	20.0
Benzene, [1-(2,4-...	10.42	14.7	ng	637004	3	9.76	867357	20.0
Diphenylmethane	10.45	15.1	ng	653565	3	9.76	867357	20.0
Dibenzofuran, 4-m...	10.46	26.9	ng	1168570	3	9.76	867357	20.0
Benzo[e]pyrene	15.02	21.1	ng	531214	6	15.32	502655	20.0