LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122001.D
Acq On : 15 Oct 2020 20:21
Operator : JU/CG
Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122001.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.363	554	557	577	rVB	2124846	2191281	53.31%	2.595%
2	6.387	727	731	736	rBV	2066750	2167934	52.74%	2.567%
3	6.575	759	763	768	rBV3	154659	268060	6.52%	0.317%
4	6.740	788	791	798	rVB	700249	662234	16.11%	0.784%
5	7.004	831	836	841	rBV3	142500	242884	5.91%	0.288%
6	7.310	885	888	892	rVV	1666312	1471982	35.81%	1.743%
7	7.763	959	965	970	rBV4	269783	465306	11.32%	0.551%
8	8.028	1003	1010	1012	rBV	890025	1040386	25.31%	1.232%
9	8.051	1012	1014	1016	rVV2	673023	536117	13.04%	0.635%
10	8.739	1128	1131	1134	rVB	404404	312776	7.61%	0.370%
11	8.839	1143	1148	1151	rBV	1685632	1481849	36.05%	1.755%
12	9.045	1180	1183	1187	rVB3	244063	220620	5.37%	0.261%
13	9.098	1187	1192	1197	rBV	2342979	2236770	54.42%	2.649%
14	9.175	1202	1205	1208	rBV2	204247	243018	5.91%	0.288%
15	9.369	1233	1238	1241	rBV	723835	935616	22.76%	1.108%
16	9.439	1246	1250	1253	rVV	1189416	1261248	30.69%	1.493%
17	9.463	1253	1254	1256	rVV	336954	250665	6.10%	0.297%
18	9.498	1256	1260	1263	rVV2	682819	792349	19.28%	0.938%
19	9.557	1267	1270	1274	rVB	638941	673914	16.40%	0.798%
20	9.639	1281	1284	1287	rVB	1018876	831411	20.23%	0.984%
21	9.686	1289	1292	1294	rVB2	338952	303048	7.37%	0.359%
22	9.757	1300	1304	1305	rBV3	354924	372033	9.05%	0.441%
23	9.781	1305	1308	1310	rVV	804318	790472	19.23%	0.936%
24	9.816	1310	1314	1317	rVV	2805145	2487784	60.53%	2.946%
25	9.880	1322	1325	1329	rVB	316322	376769	9.17%	0.446%
26	9.933	1330	1334	1338	rBV4	254495	396683	9.65%	0.470%
27	9.981	1338	1342	1346	rVB	991147	971788	23.64%	1.151%
28	10.022	1346	1349	1358	rVB3	569494	717210	17.45%	0.849%
29	10.092	1358	1361	1364	rBV2	531912	587959	14.30%	0.696%
30	10.180	1373	1376	1378	rBV3	469733	579681	14.10%	0.686%
31	10.204	1378	1380	1382	rVB2	347377	247324	6.02%	0.293%
32	10.275	1387	1392	1394	rVV4	202774	287899	7.00%	0.341%
33	10.328	1397	1401	1406	rVV2	1921456	1992238	48.47%	2.359%
34	10.375	1406	1409	1410	rVV2	340546	289423	7.04%	0.343%
35	10.392	1410	1412	1414	rVV	500015	458907	11.16%	0.543%
36	10.410	1414	1415	1417	rVV2	386401	362181	8.81%	0.429%

LSC Area Percent Report

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Operator : JU/CG
Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.433	1417	1419	1422	rVV2	520870	588035	14.31%	0.696%
38	10.480	1425	1427	1431	rVB2	435778	416236	10.13%	0.493%
39	10.545	1436	1438	1440	rBV2	350657	339085	8.25%	0.402%
40	10.569	1440	1442	1446	rVB	1388768	1254679	30.53%	1.486%
41	10.692	1459	1463	1470	rVB3	577940	729940	17.76%	0.864%
42	10.875	1489	1494	1496	rBV2	629607	738663	17.97%	0.875%
43	10.904	1496	1499	1502	rVB	545887	470501	11.45%	0.557%
44	10.957	1506	1508	1511	rVB	423923	320876	7.81%	0.380%
45	11.004	1511	1516	1517	rBV2	325018	405796	9.87%	0.480%
46	11.075	1525	1528	1531	rVB2	245434	222074	5.40%	0.263%
47	11.116	1532	1535	1538	rVV3	240899	306830	7.46%	0.363%
48	11.157	1539	1542	1549	rVB2	622205	803438	19.55%	0.951%
49	11.269	1557	1561	1562	rBV	701602	760832	18.51%	0.901%
50	11.298	1562	1566	1569	rVV	3267627	3473159	84.50%	4.112%
51	11.345	1571	1574	1576	rVB	1784072	1436877	34.96%	1.701%
52	11.380	1576	1580	1582	rBV2	239598	278028	6.76%	0.329%
53	11.504	1598	1601	1605	rVV3	302963	458557	11.16%	0.543%
54	11.769	1643	1646	1648	rBV	934305	797767	19.41%	0.945%
55	11.798	1648	1651	1655	rVV	1054111	944285	22.97%	1.118%
56	11.845	1656	1659	1662	rVV	702707	703662	17.12%	0.833%
57	11.880	1662	1665	1667	rVV	1773919	1853439	45.09%	2.195%
58	11.904	1667	1669	1673	rVB	772780	640878	15.59%	0.759%
59	12.063	1693	1696	1700	rVB	477827	399354	9.72%	0.473%
60	12.245	1724	1727	1729	rVV	280376	217691	5.30%	0.258%
61	12.316	1736	1739	1742	rBV	702894	763827	18.58%	0.904%
62	12.357	1742	1746	1748	rVV2	507152	629894	15.32%	0.746%
63	12.404	1751	1754	1759	rVB2	271476	477589	11.62%	0.566%
64	12.486	1764	1768	1771	rBV	3187871	3133065	76.22%	3.710%
65	12.574	1781	1783	1790	rVB	522722	550448	13.39%	0.652%
66	12.716	1801	1807	1812	rBV	3220596	4110304	100.00%	4.867%
67	12.763	1812	1815	1819	rVB2	326218	423272	10.30%	0.501%
68	12.851	1824	1830	1832	rBV2	1469674	1544192	37.57%	1.828%
69	12.927	1839	1843	1850	rVV5	432461	735982	17.91%	0.871%
70	13.016	1854	1858	1859	rVV2	380837	462021	11.24%	0.547%
71	13.039	1859	1862	1865	rVB	1077971	971994	23.65%	1.151%
72	13.104	1870	1873	1876	rVV	988679	918143	22.34%	1.087%
73	13.145	1876	1880	1883	rVV2	663592	803232	19.54%	0.951%
74	13.233	1892	1895	1898	rVV	500948	484554	11.79%	0.574%
75	13.263	1898	1900	1909	rVB	517017	696817	16.95%	0.825%
76	13.521	1940	1944	1947	rBV2	249916	390496	9.50%	0.462%

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.680	1969	1971	1973	rVV	397922	292530	7.12%	0.346%
78	13.710	1973	1976	1983	rVB3	268571	331412	8.06%	0.392%
79	13.904	2004	2009	2012	rBV2	2182124	2948689	71.74%	3.491%
80	13.939	2012	2015	2022	rVB	1721720	1789479	43.54%	2.119%
81	14.063	2033	2036	2041	rVB2	356861	391824	9.53%	0.464%
82	14.257	2066	2069	2071	rBV2	222984	223614	5.44%	0.265%
83	14.292	2071	2075	2078	rVV	719593	899558	21.89%	1.065%
84	14.327	2078	2081	2084	rVV	375670	360570	8.77%	0.427%
85	14.374	2085	2089	2090	rVV2	207995	281604	6.85%	0.333%
86	14.392	2090	2092	2094	rVV	354102	314754	7.66%	0.373%
87	14.421	2094	2097	2098	rVV	419854	391260	9.52%	0.463%
88	14.439	2098	2100	2104	rVV	461701	461452	11.23%	0.546%
89	14.939	2180	2185	2188	rBV	1424572	2318219	56.40%	2.745%
90	15.039	2199	2202	2206	rVB	523480	523923	12.75%	0.620%
91	15.227	2230	2234	2240	rVB	1011340	1247435	30.35%	1.477%
92	15.292	2240	2245	2250	rBV	1613440	1980120	48.17%	2.345%
93	15.345	2251	2254	2257	rVV	496871	619195	15.06%	0.733%
94	15.374	2257	2259	2266	rVB2	348963	517358	12.59%	0.613%
95	15.515	2279	2283	2285	rBV	146827	219604	5.34%	0.260%
96	15.886	2342	2346	2350	rBV2	150422	204745	4.98%	0.242%
97	16.762	2488	2495	2502	rVB	641963	1222019	29.73%	1.447%
98	16.921	2516	2522	2527	rBV	188513	390892	9.51%	0.463%
99	17.192	2561	2568	2582	rVB	433447	940368	22.88%	1.113%
100	17.421	2601	2607	2619	rVB	162950	418989	10.19%	0.496%

Sum of corrected areas: 84453944

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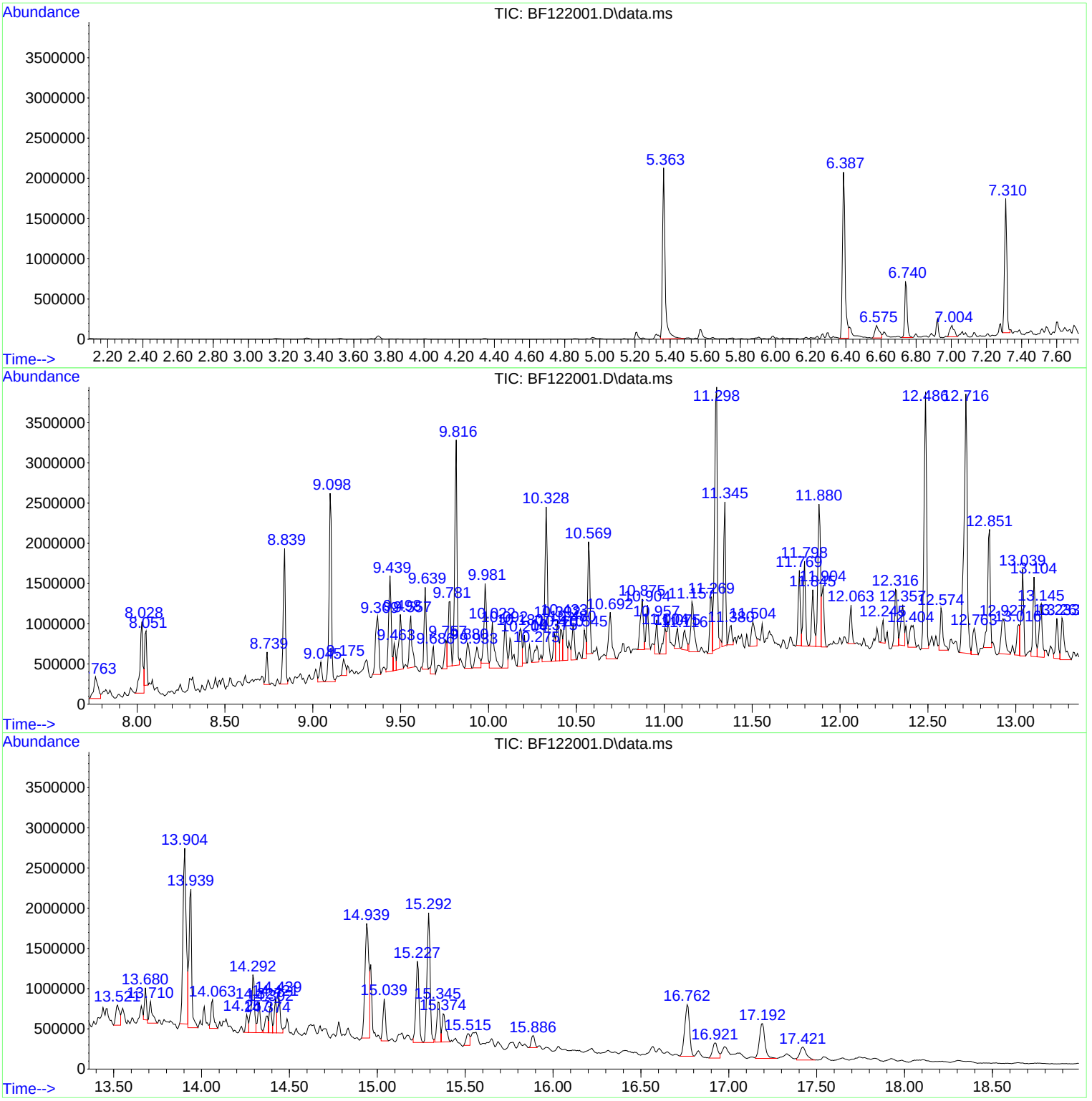
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122001.D
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Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

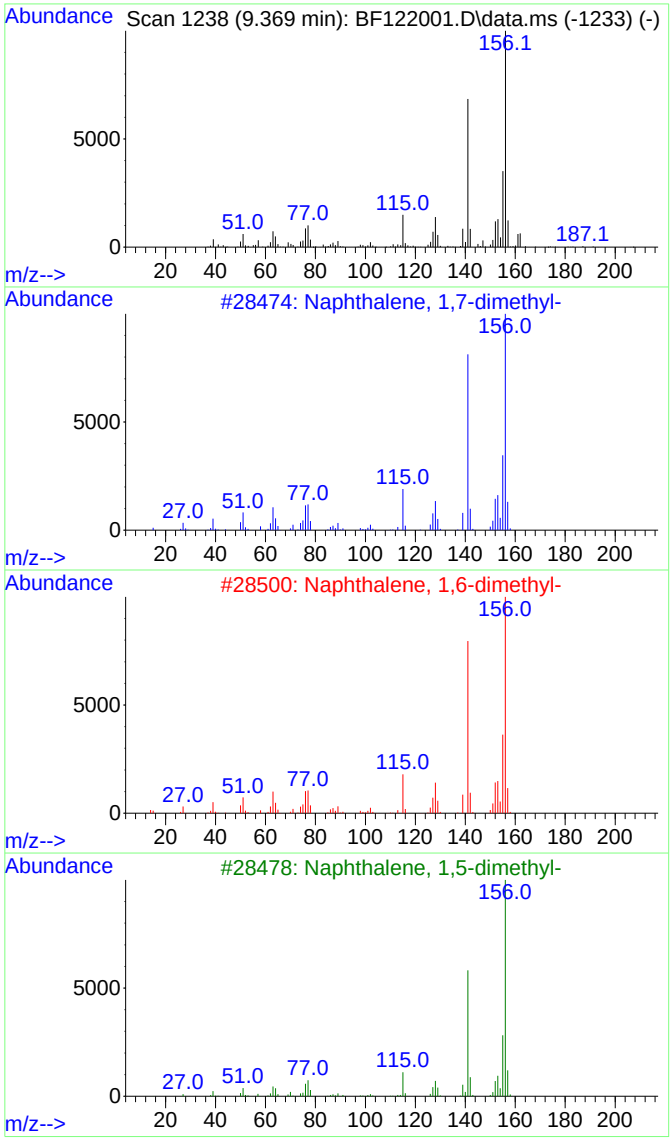
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

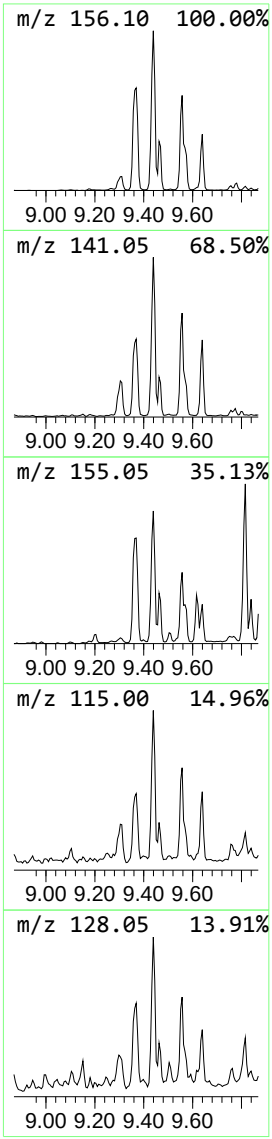
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.369	23.67 ng	935616	Acenaphthene-d10	9.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122001.D
Acq On : 15 Oct 2020 20:21
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Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

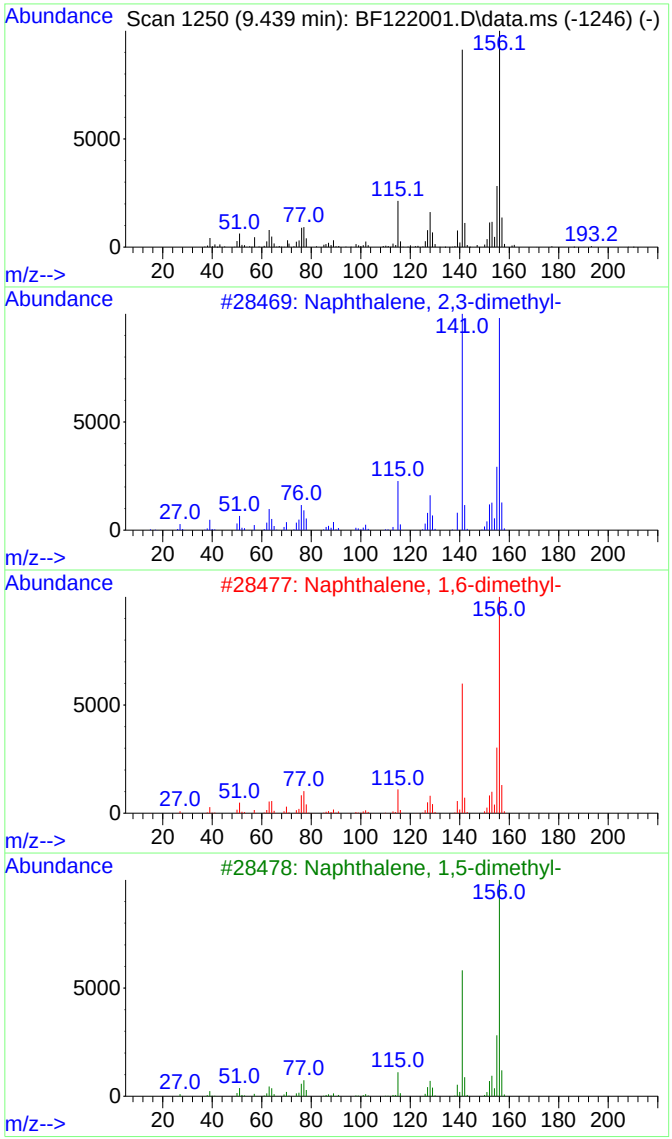
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

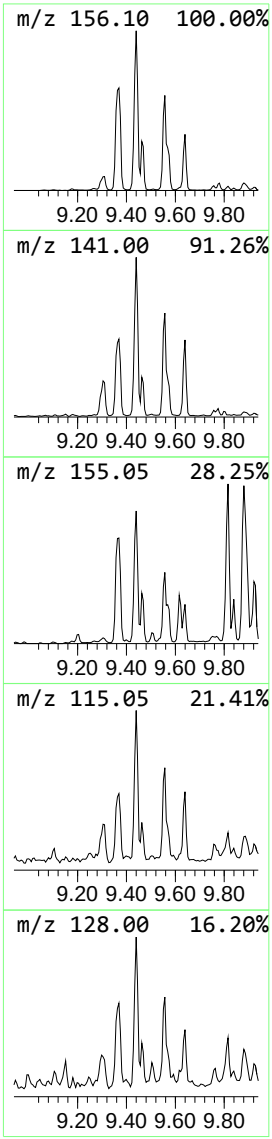
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.439	31.91 ng	1261250	Acenaphthene-d10	9.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	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, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Instrument :
BNA_F
ClientSampleId :
TP-3

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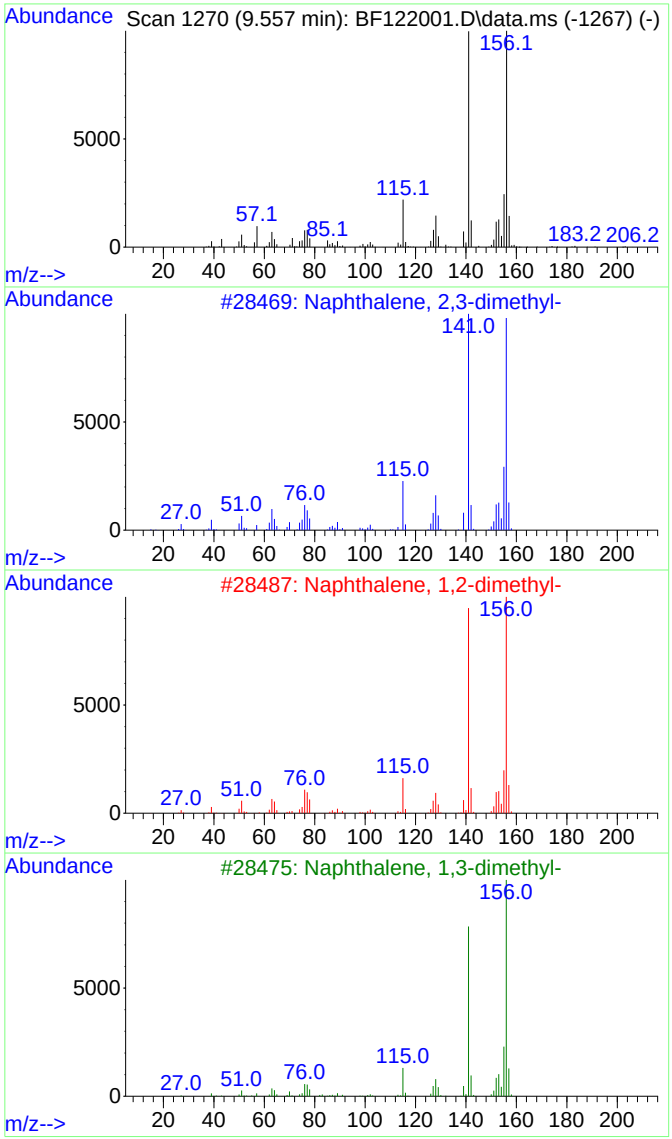
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

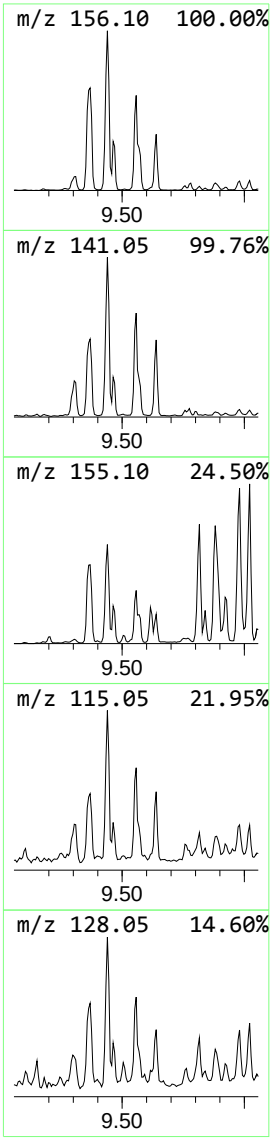
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 1,2-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.557	17.05 ng	673914	Acenaphthene-d10	9.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
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Acq On : 15 Oct 2020 20:21
Operator : JU/CG
Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

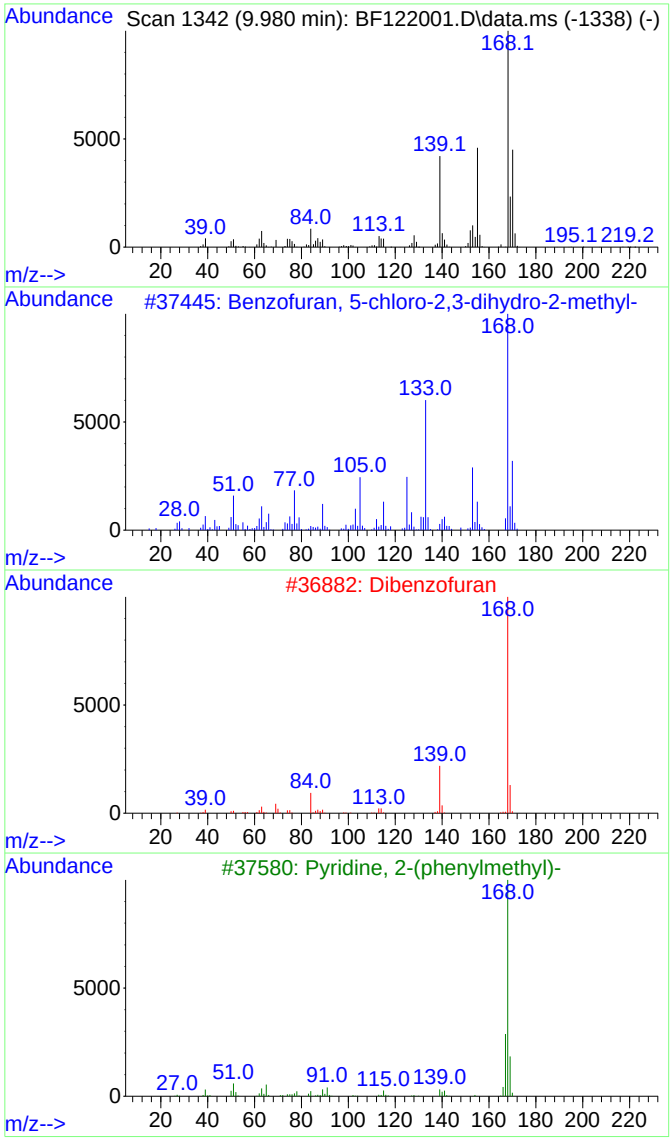
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

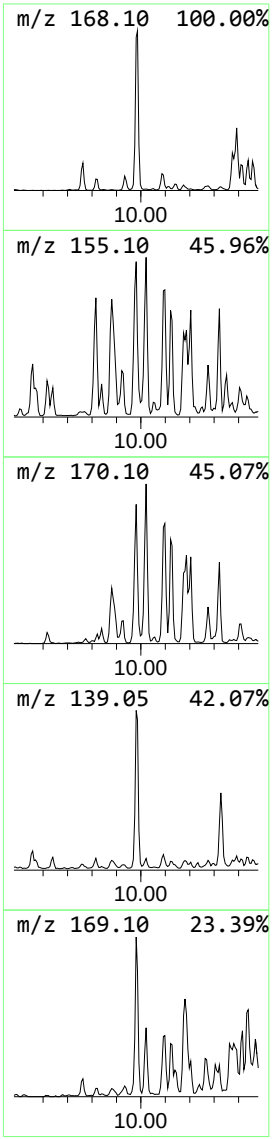
****

Peak Number 4 unknown9.980 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.980	24.59 ng	971788	Acenaphthene-d10	9.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 5-chloro-2,3-dihydro...	168	C9H9ClO	054410-96-7	47
2	Dibenzofuran	168	C12H8O	000132-64-9	38
3	Pyridine, 2-(phenylmethyl)-	169	C12H11N	000101-82-6	27
4	Naphtho[2,1-d]imidazole	168	C11H8N2	000233-53-4	22
5	Diphenylmethane	168	C13H12	000101-81-5	16





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122001.D
Acq On : 15 Oct 2020 20:21
Operator : JU/CG
Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

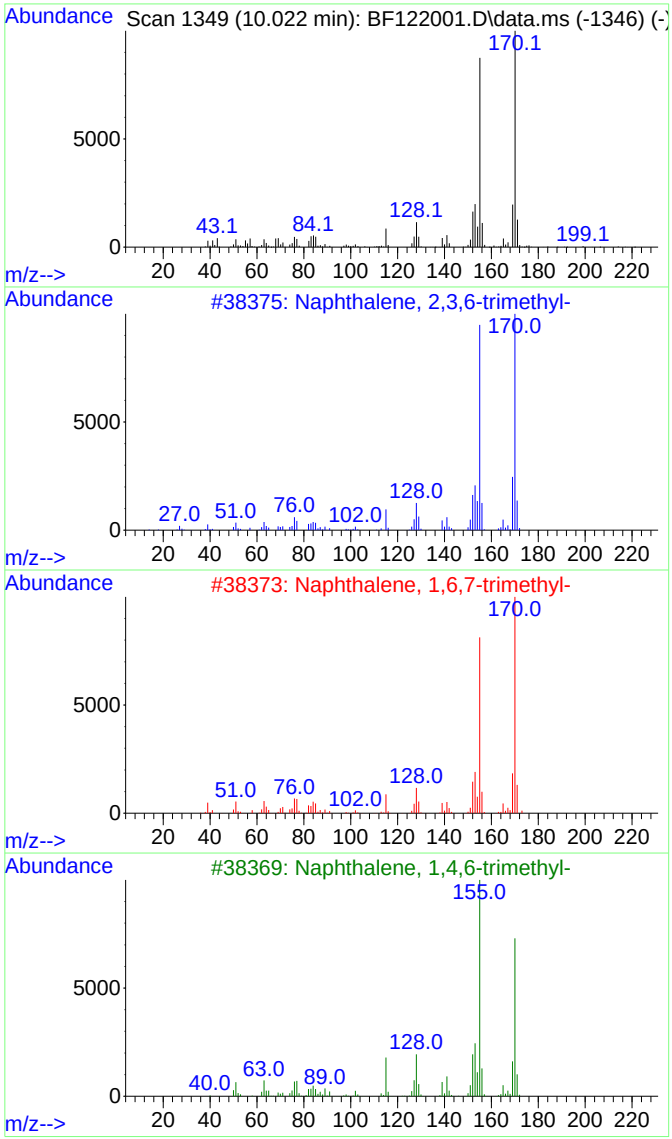
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

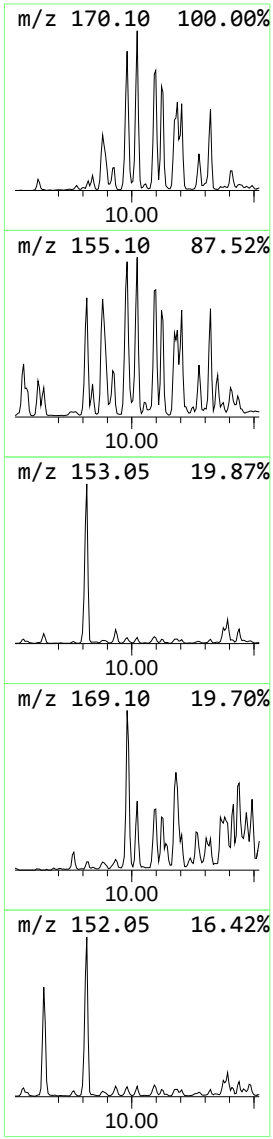
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, 2,3,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.022	18.15 ng	717210	Acenaphthene-d10	9.781

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	93





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Acq On : 15 Oct 2020 20:21
Operator : JU/CG
Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

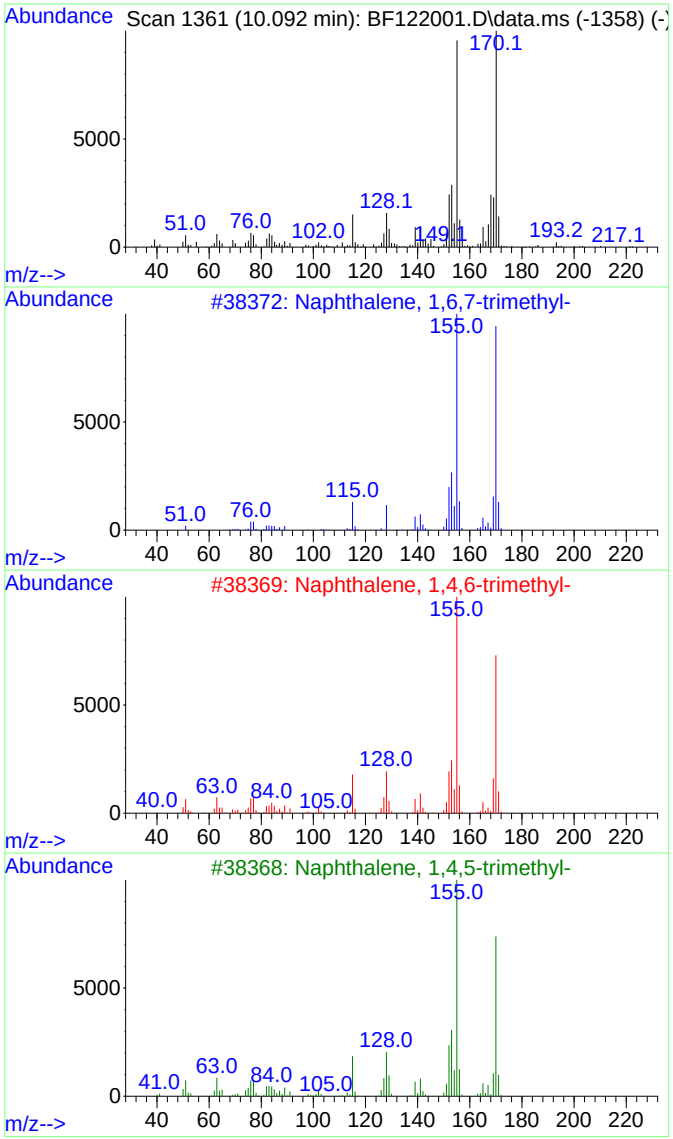
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

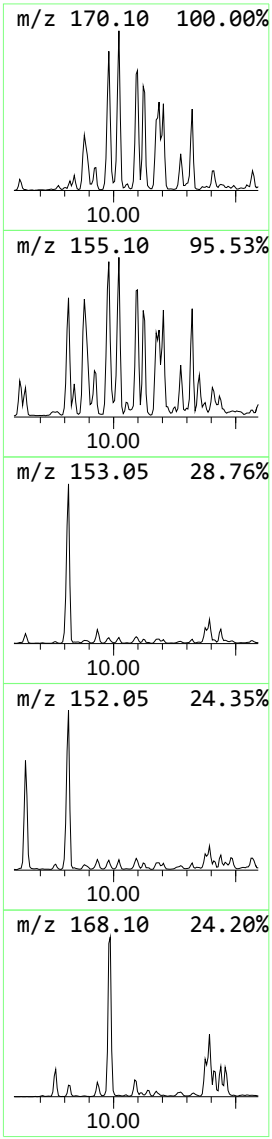
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.092	14.88 ng	587959	Acenaphthene-d10	9.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	76





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Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

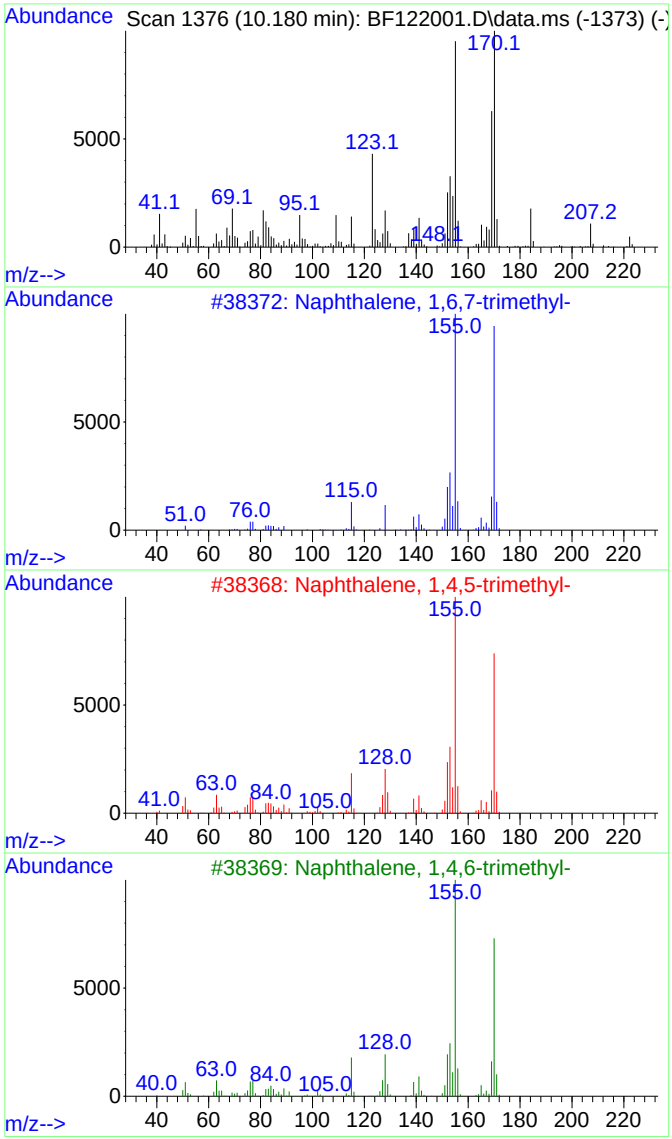
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

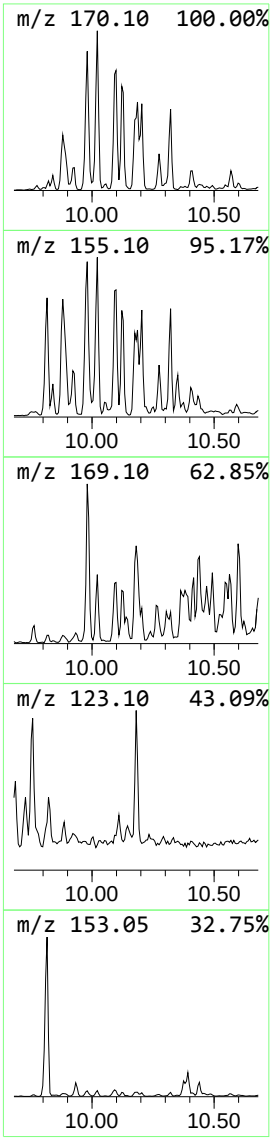
****

Peak Number 7 Naphthalene, 1,4,5-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.181	14.67 ng	579681	Acenaphthene-d10	9.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	92
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	70
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	70





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Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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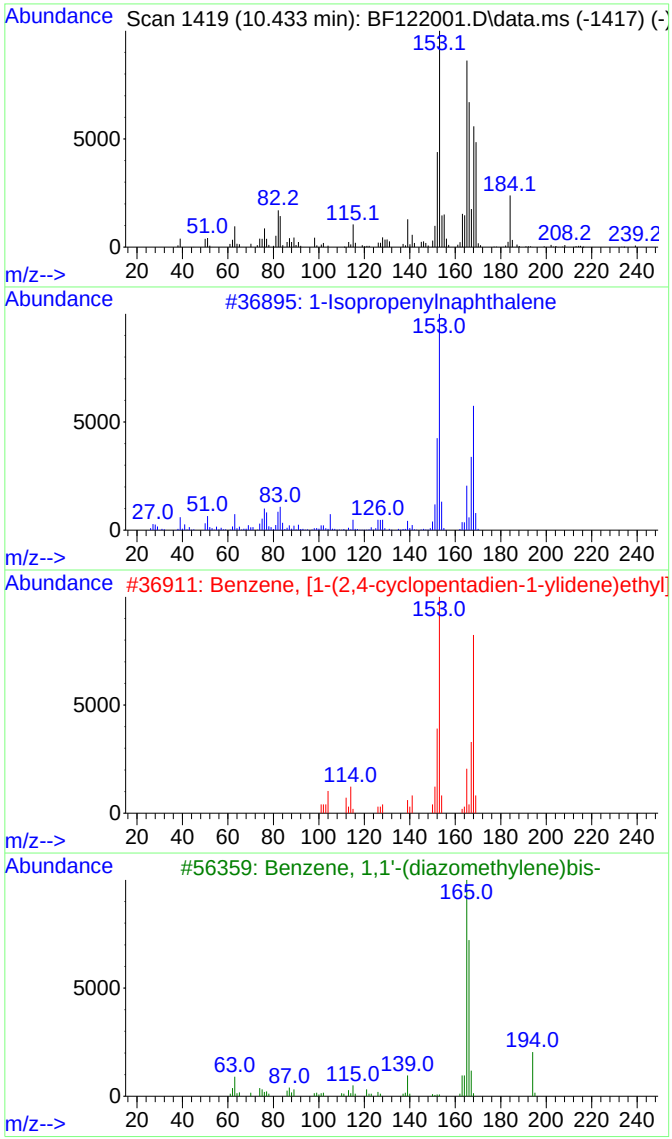
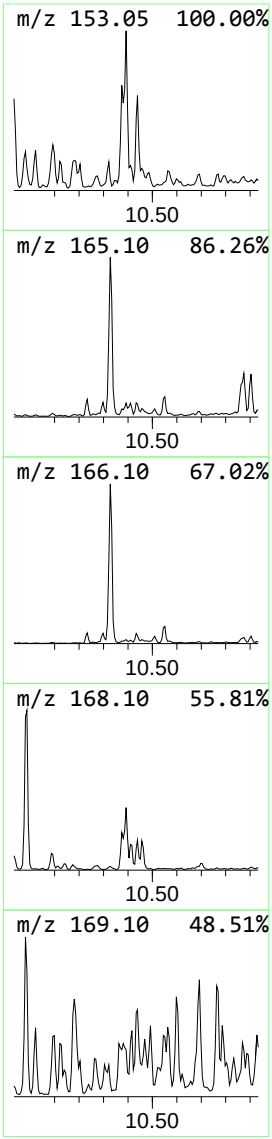
Peak Number 8 unknown10.433 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.433	14.88 ng	588035	Acenaphthene-d10	9.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	38
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	27
3	Benzene, 1,1'-(diazomethylene)bis-	194	C13H10N2	000883-40-9	27
4	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	27
5	Fluorene-9-methanol	196	C14H12O	024324-17-2	27





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Operator : JU/CG
Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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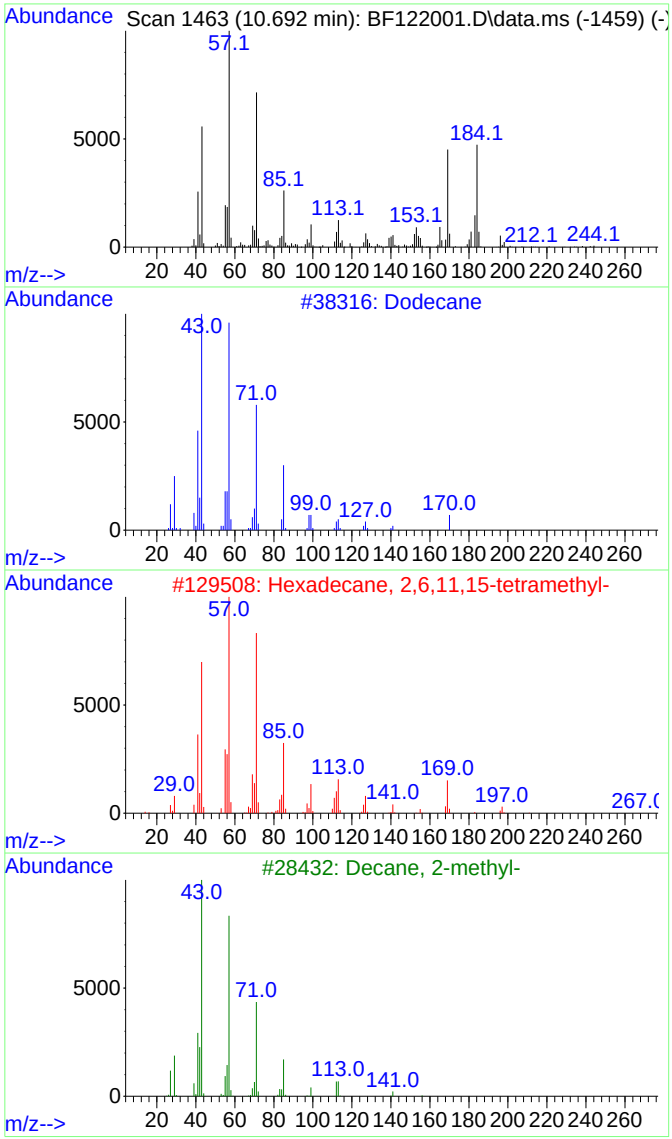
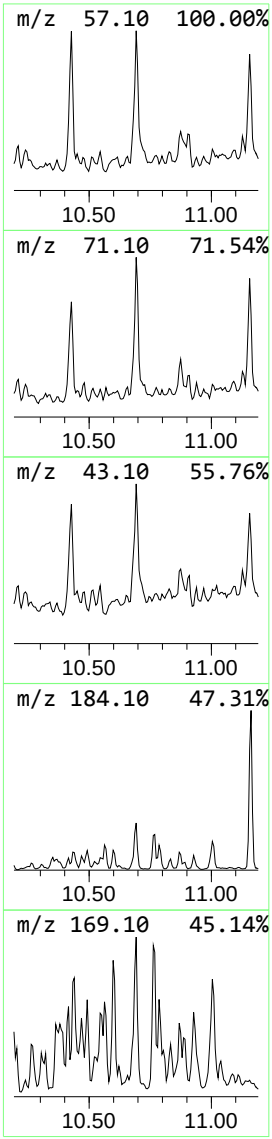
Peak Number 9 unknown10.692 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.692	19.19 ng	729940	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	30
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	30
3	Decane, 2-methyl-	156	C11H24	006975-98-0	30
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	25
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	25





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Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-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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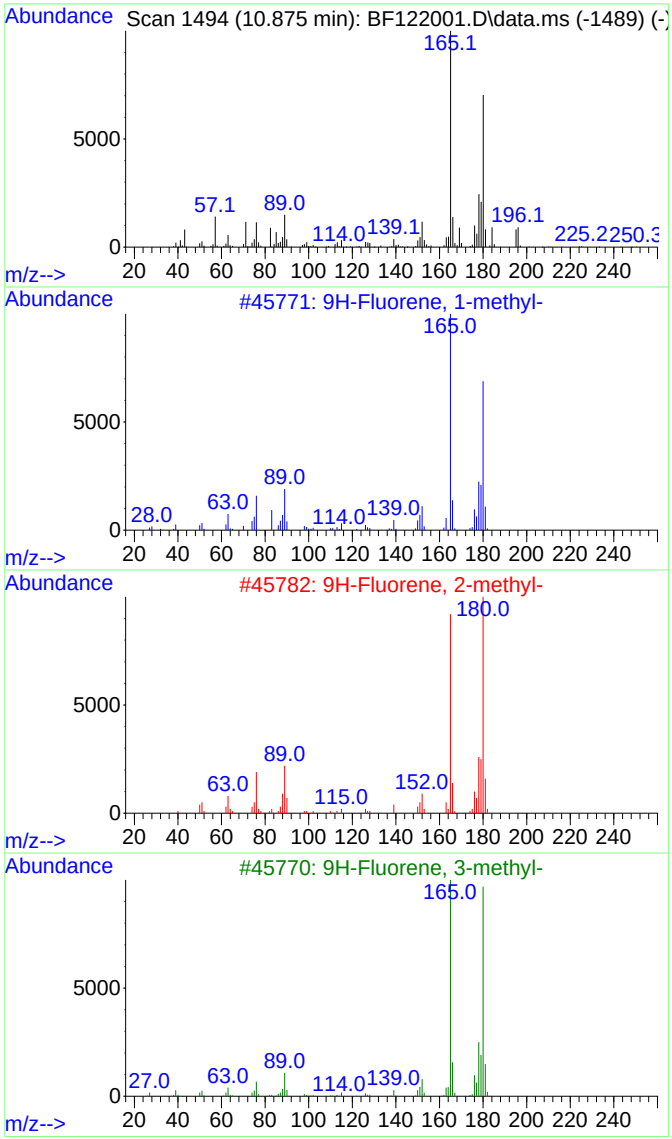
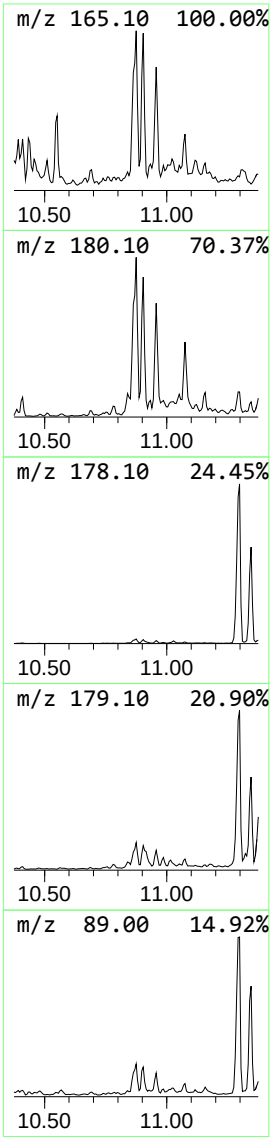
Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.875	19.42 ng	738663	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	83
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	83
4	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	68
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58





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Operator : JU/CG
Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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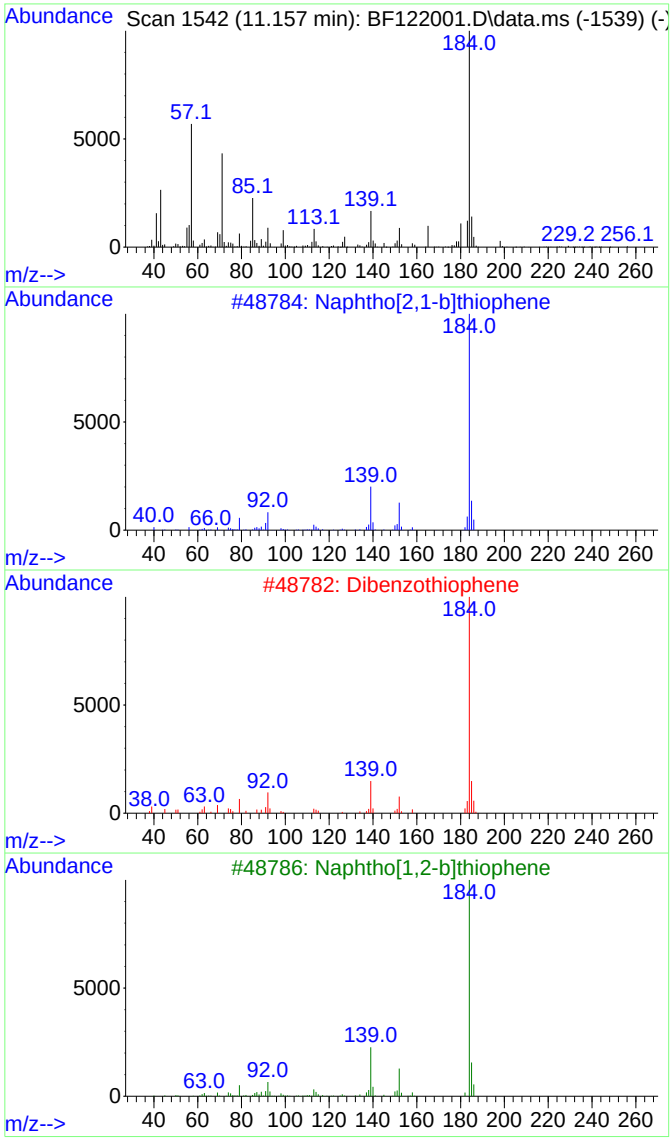
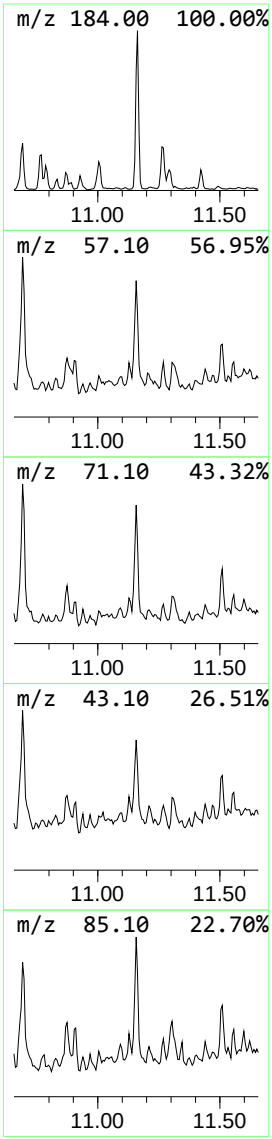
Peak Number 11 Naphtho[2,1-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.157	21.12 ng	803438	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	87
2	Dibenzothiophene	184	C12H8S	000132-65-0	87
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	55
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	50





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Acq On : 15 Oct 2020 20:21
Operator : JU/CG
Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

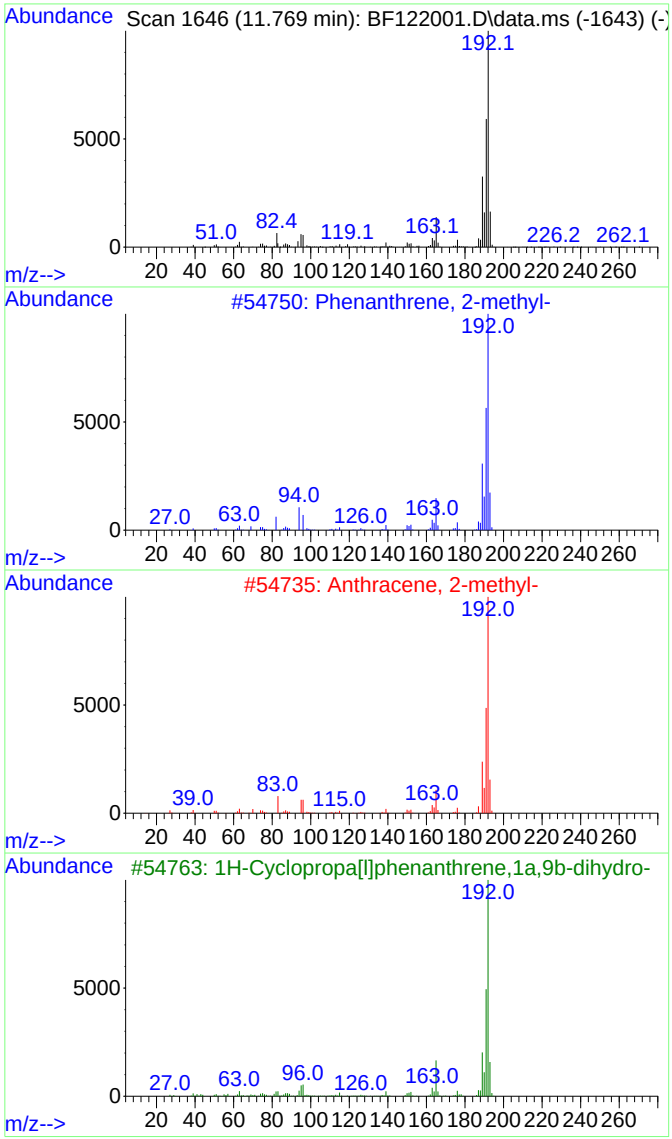
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

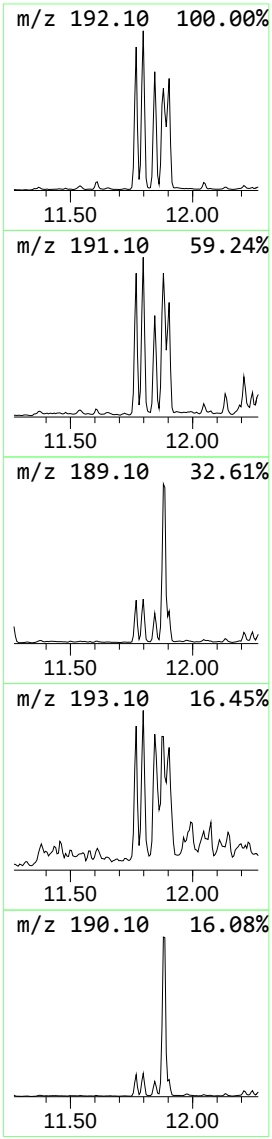
****

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.769	20.97 ng	797767	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Operator : JU/CG
Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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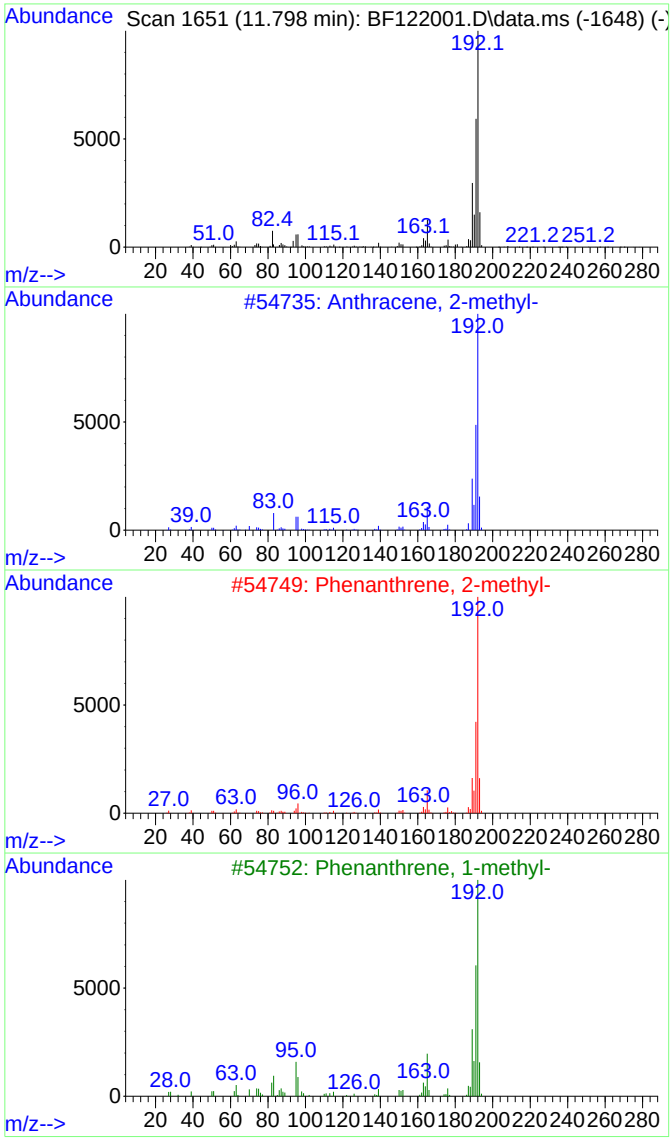
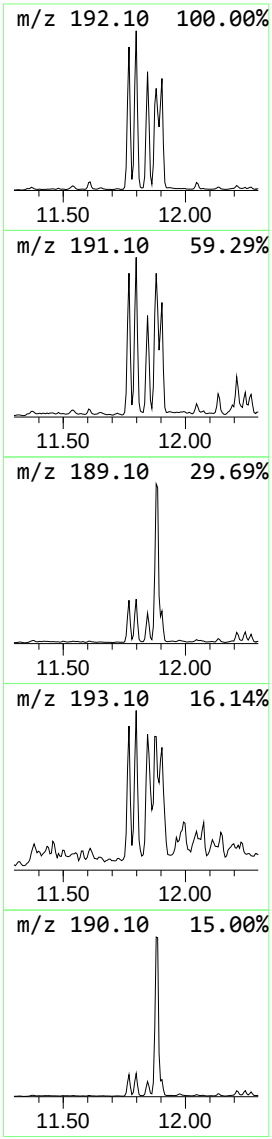
Peak Number 13 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.798	24.82 ng	944285	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Sample : L4392-10
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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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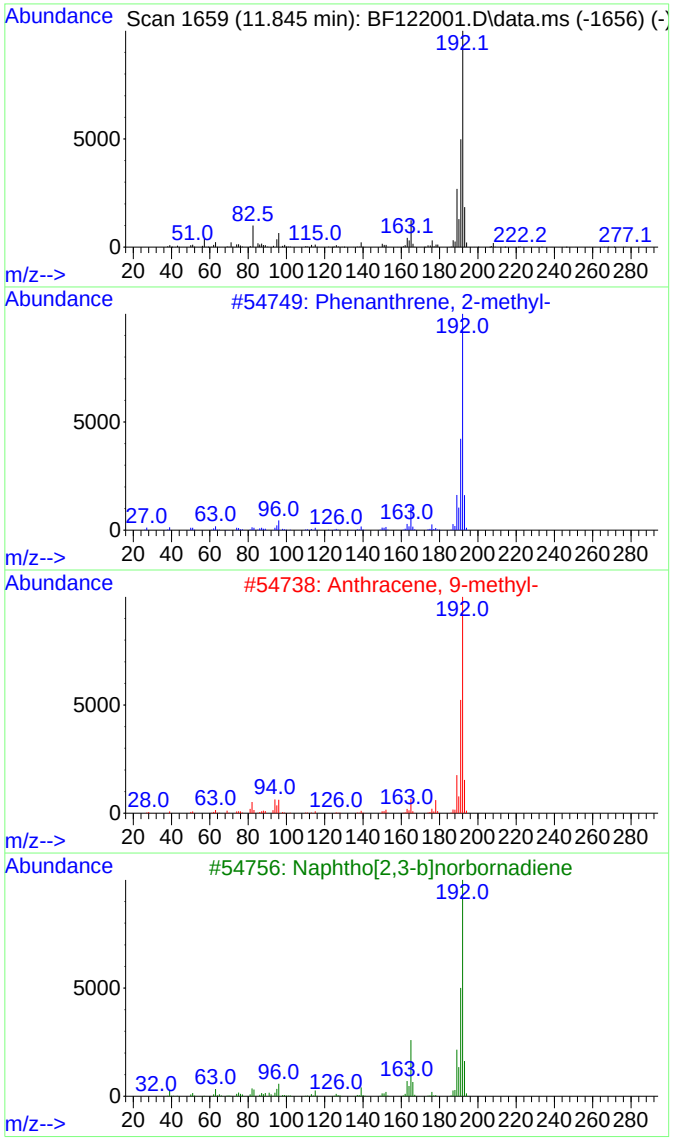
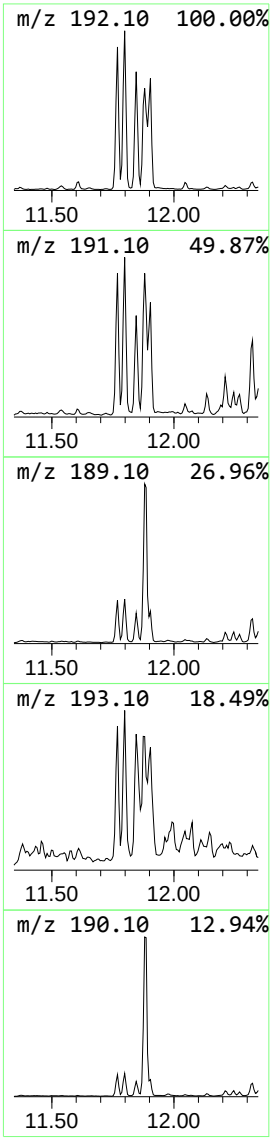
Peak Number 14 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	18.50 ng	703662	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

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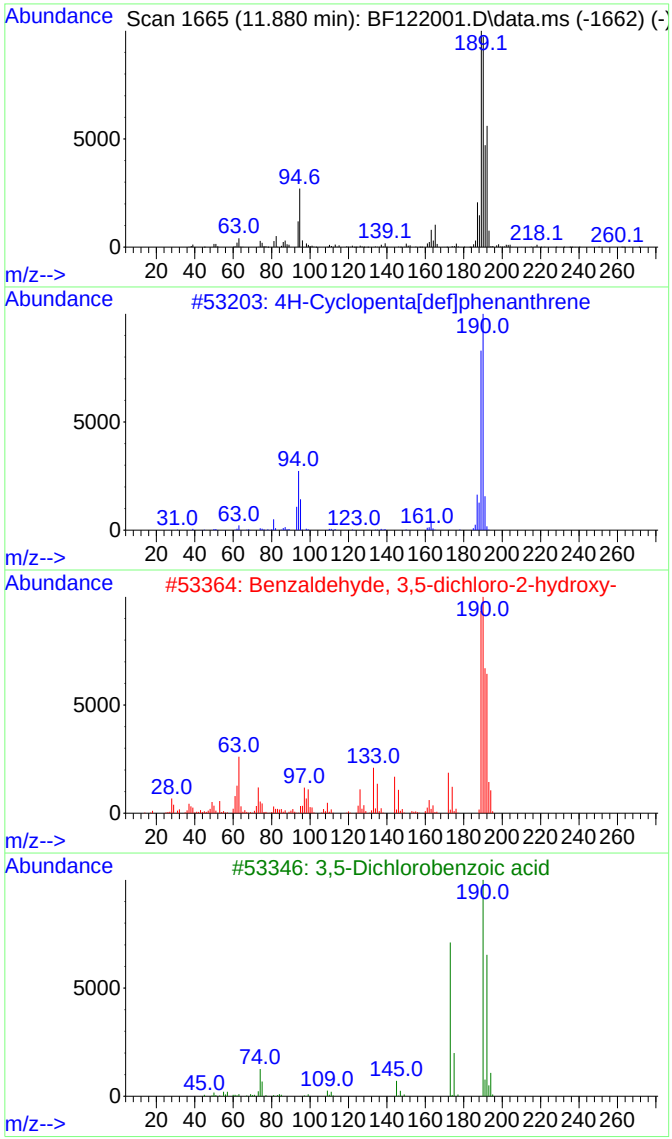
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

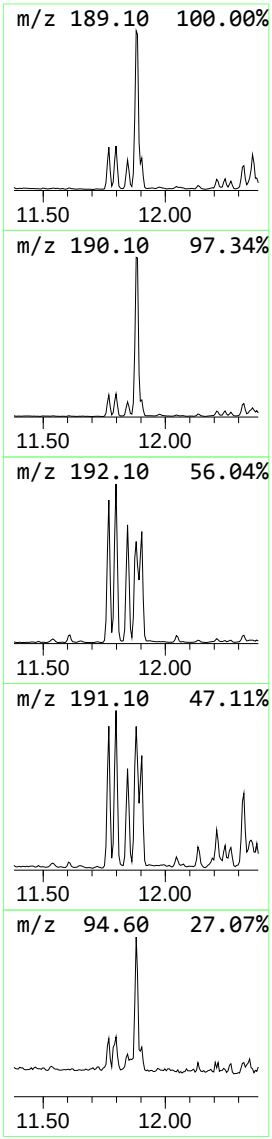
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	48.72 ng	1853440	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	47
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	14
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	14





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Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

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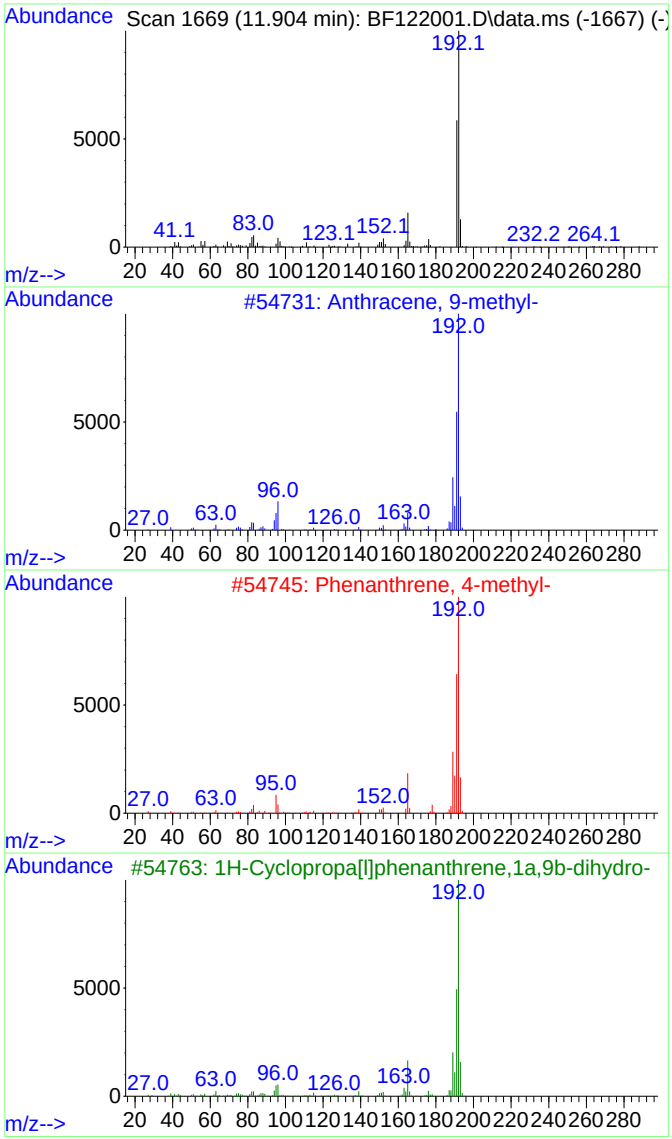
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

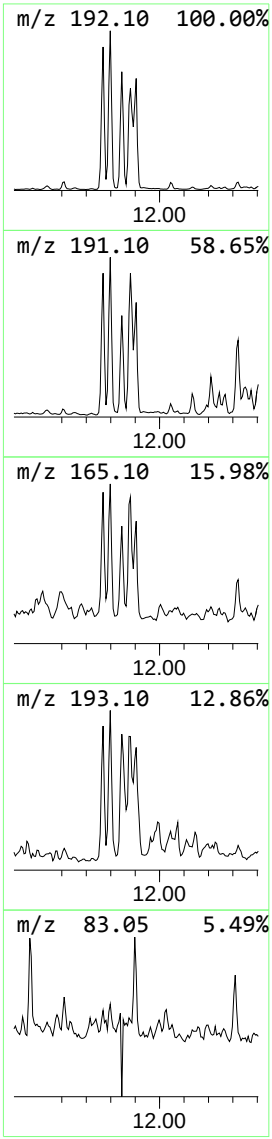
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phenanthrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	16.85 ng	640878	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Data File : BF122001.D
Acq On : 15 Oct 2020 20:21
Operator : JU/CG
Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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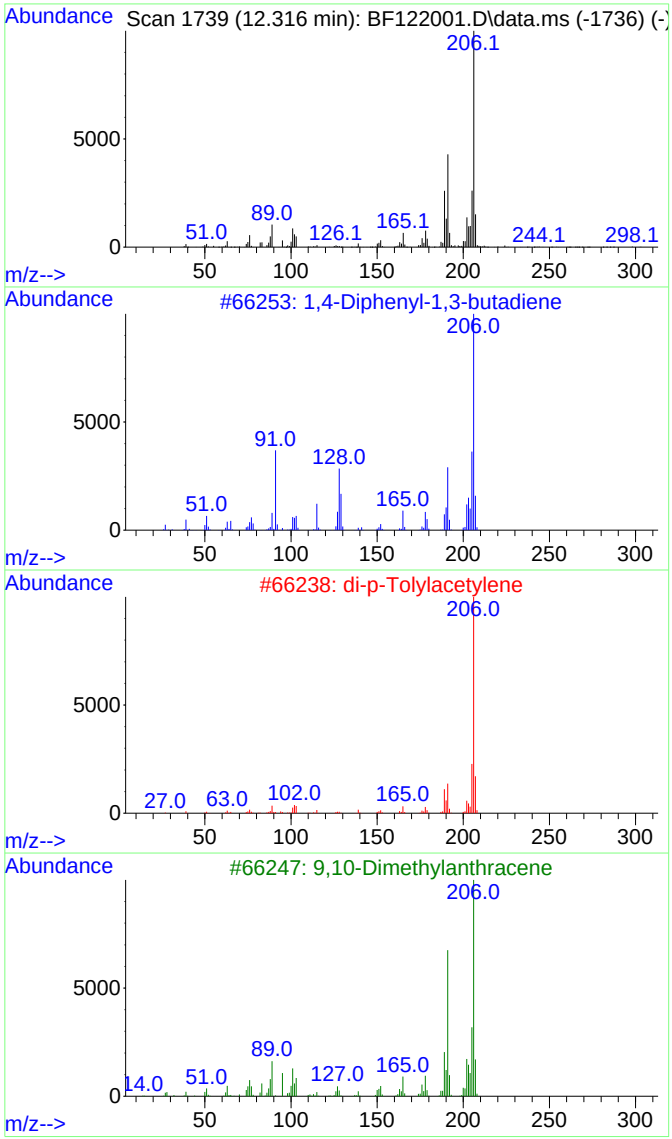
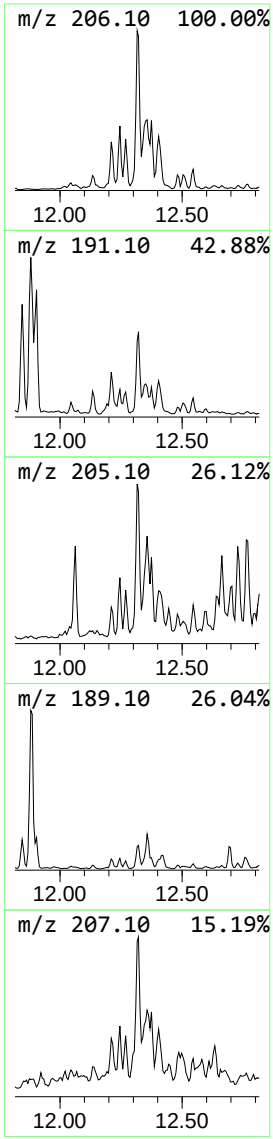
Peak Number 17 1,4-Diphenyl-1,3-butadiene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.316	20.08 ng	763827	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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Data File : BF122001.D
Acq On : 15 Oct 2020 20:21
Operator : JU/CG
Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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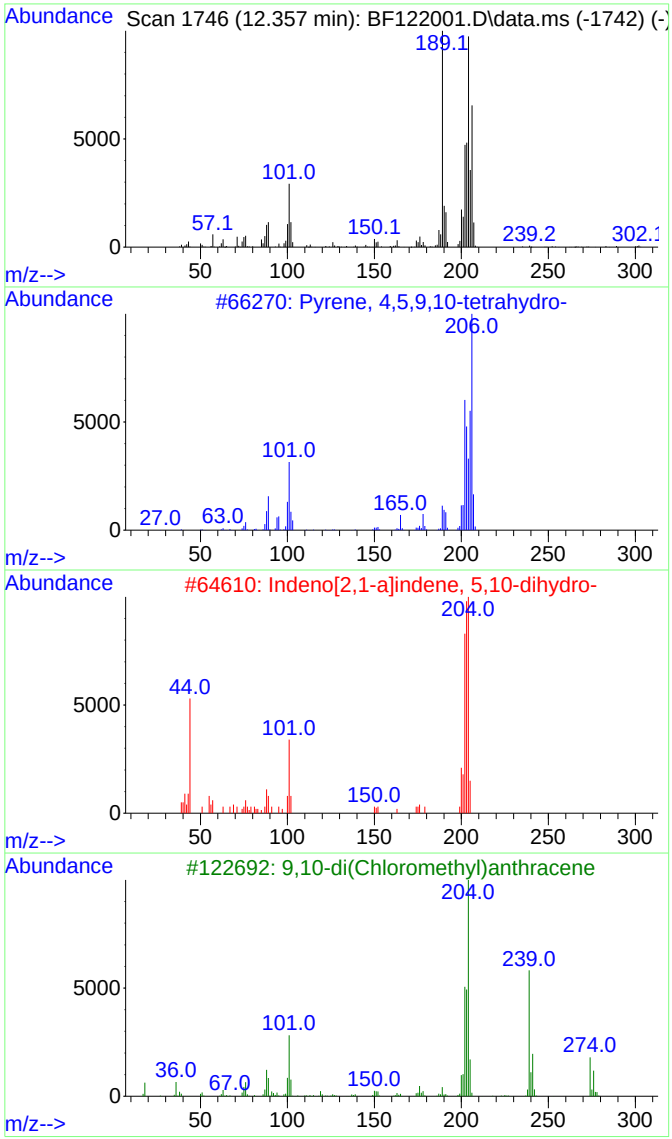
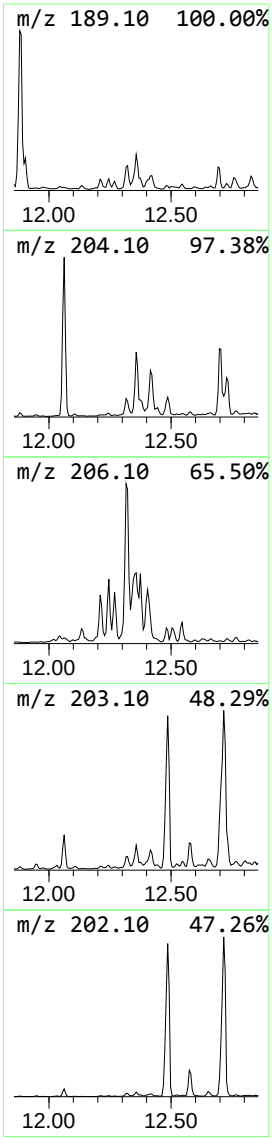
Peak Number 18 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.357	16.56 ng	629894	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	52
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	50
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	41
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38





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Data File : BF122001.D
Acq On : 15 Oct 2020 20:21
Operator : JU/CG
Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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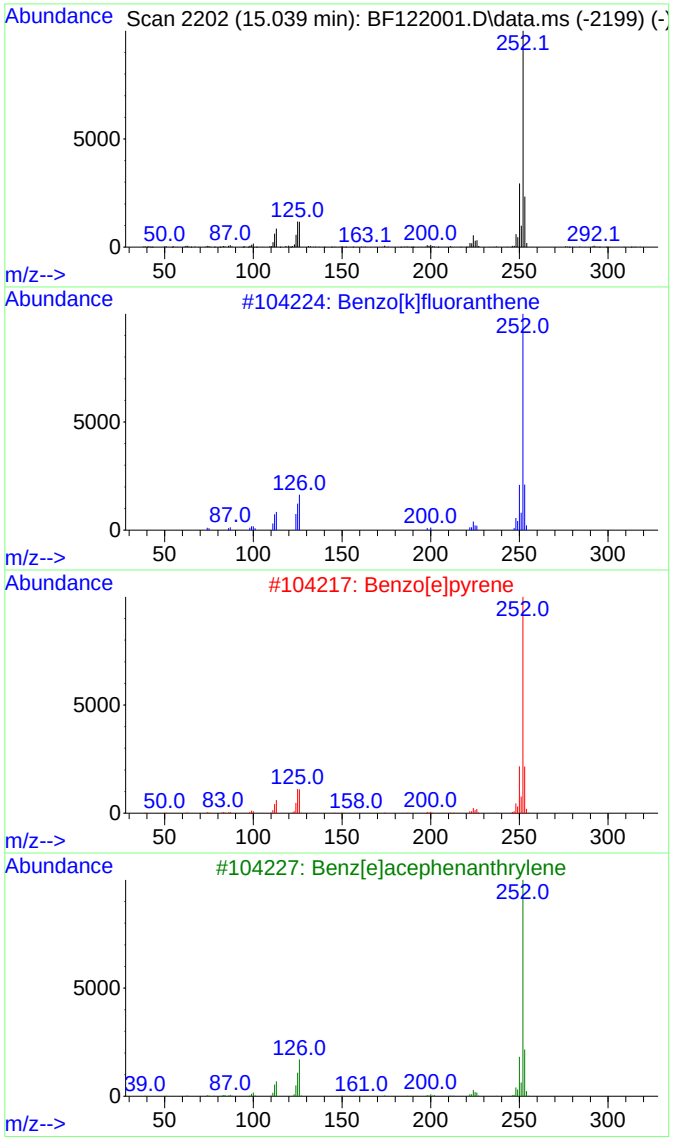
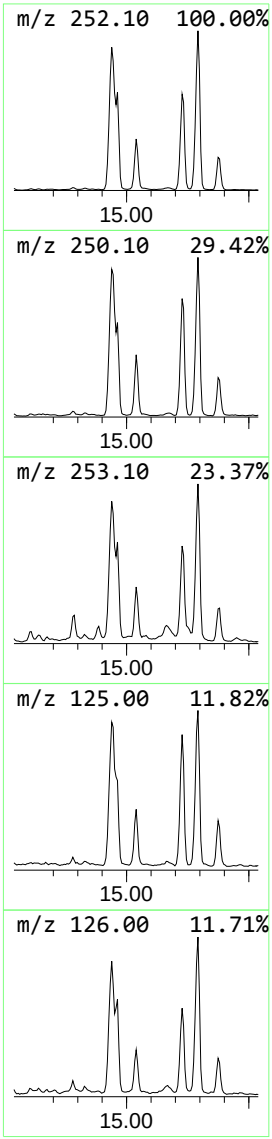
Peak Number 19 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.039	16.92 ng	523923	Perylene-d12	15.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122001.D
Acq On : 15 Oct 2020 20:21
Operator : JU/CG
Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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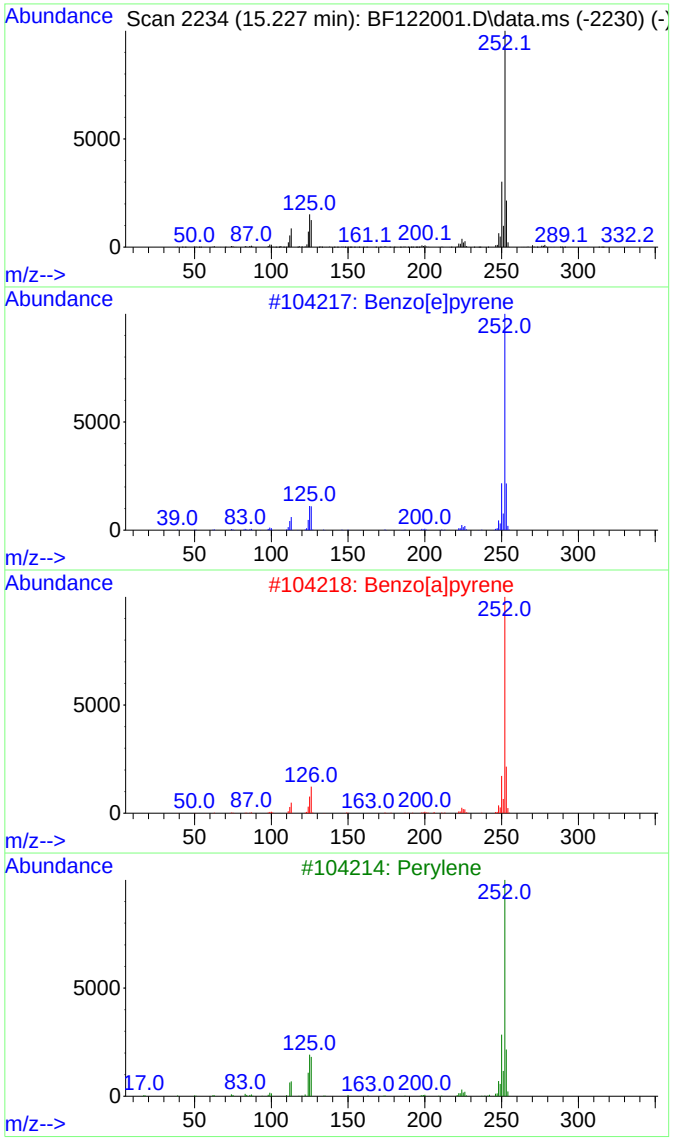
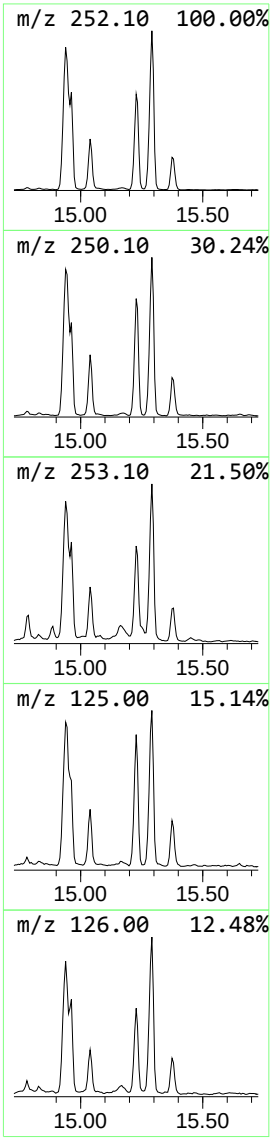
Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.227	40.29 ng	1247440	Perylene-d12	15.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122001.D
Acq On : 15 Oct 2020 20:21
Operator : JU/CG
Sample : L4392-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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,...	9.369	23.7	ng	935616	3	9.781	790472	20.0
Naphthalene, 2,...	9.439	31.9	ng	1261250	3	9.781	790472	20.0
Naphthalene, 1,...	9.557	17.1	ng	673914	3	9.781	790472	20.0
unknown9.980	9.980	24.6	ng	971788	3	9.781	790472	20.0
Naphthalene, 2,...	10.022	18.1	ng	717210	3	9.781	790472	20.0
Naphthalene, 1,...	10.092	14.9	ng	587959	3	9.781	790472	20.0
Naphthalene, 1,...	10.181	14.7	ng	579681	3	9.781	790472	20.0
unknown10.433	10.433	14.9	ng	588035	3	9.781	790472	20.0
unknown10.692	10.692	19.2	ng	729940	4	11.263	760832	20.0
9H-Fluorene, 1-...	10.875	19.4	ng	738663	4	11.263	760832	20.0
Naphtho[2,1-b]t...	11.157	21.1	ng	803438	4	11.263	760832	20.0
Phenanthrene, 2...	11.769	21.0	ng	797767	4	11.263	760832	20.0
Anthracene, 2-m...	11.798	24.8	ng	944285	4	11.263	760832	20.0
Anthracene, 9-m...	11.845	18.5	ng	703662	4	11.263	760832	20.0
4H-Cyclopenta[d...	11.880	48.7	ng	1853440	4	11.263	760832	20.0
Phenanthrene, 4...	11.904	16.9	ng	640878	4	11.263	760832	20.0
1,4-Diphenyl-1,...	12.316	20.1	ng	763827	4	11.263	760832	20.0
Pyrene, 4,5,9,1...	12.357	16.6	ng	629894	4	11.263	760832	20.0
Benzo[e]pyrene	15.039	16.9	ng	523923	6	15.351	619195	20.0
Perylene	15.227	40.3	ng	1247440	6	15.351	619195	20.0