LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118883.D
Acq On : 10 Feb 2020 22:12
Operator : CG/JU
Sample : L1468-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

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-BF020320.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	6.816	800	804	807	rBV	1448599	1255200	6.74%	0.552%
2	6.998	832	835	838	rVB	2553807	2083861	11.19%	0.916%
3	7.075	844	848	854	rBV	579493	508799	2.73%	0.224%
4	7.845	972	979	982	rBV3	488585	571864	3.07%	0.251%
5	7.880	982	985	993	rVB2	483144	674249	3.62%	0.297%
6	8.133	1018	1028	1031	rBV2	11625330	18619616	100.00%	8.188%
7	8.169	1031	1034	1041	rVB	1177921	1124110	6.04%	0.494%
8	8.816	1139	1144	1147	rBV	5937336	5484894	29.46%	2.412%
9	8.910	1155	1160	1164	rBV	3981979	3419764	18.37%	1.504%
10	9.169	1201	1204	1210	rVB	680297	543687	2.92%	0.239%
11	9.269	1215	1221	1228	rVV	1559943	1433884	7.70%	0.631%
12	9.369	1235	1238	1244	rVB	655067	703352	3.78%	0.309%
13	9.439	1244	1250	1253	rBV	1209455	1605087	8.62%	0.706%
14	9.510	1258	1262	1265	rVV	1728637	1828794	9.82%	0.804%
15	9.539	1265	1267	1270	rVV	1190370	1010855	5.43%	0.445%
16	9.627	1279	1282	1291	rVB	868646	957844	5.14%	0.421%
17	9.710	1291	1296	1301	rBV	2523371	2246643	12.07%	0.988%
18	9.833	1314	1317	1318	rBV	750848	631581	3.39%	0.278%
19	9.851	1318	1320	1323	rVV	2106271	1716640	9.22%	0.755%
20	9.886	1323	1326	1329	rVV	4666502	4025325	21.62%	1.770%
21	10.057	1351	1355	1358	rVV	4174822	3832958	20.59%	1.686%
22	10.169	1369	1374	1376	rBV3	447617	579725	3.11%	0.255%
23	10.257	1385	1389	1391	rBV2	312367	447417	2.40%	0.197%
24	10.304	1395	1397	1400	rVV	581679	450370	2.42%	0.198%
25	10.404	1410	1414	1419	rVV	6438481	6362091	34.17%	2.798%
26	10.463	1419	1424	1426	rVV2	287735	446048	2.40%	0.196%
27	10.510	1429	1432	1436	rVV2	558288	732454	3.93%	0.322%
28	10.557	1436	1440	1442	rVV	1078107	1098193	5.90%	0.483%
29	10.621	1447	1451	1452	rVV	1113760	1086759	5.84%	0.478%
30	10.639	1452	1454	1458	rVV	1368703	1446917	7.77%	0.636%
31	10.763	1471	1475	1480	rVB3	378455	483015	2.59%	0.212%
32	10.945	1498	1506	1509	rBV2	1183337	1484563	7.97%	0.653%
33	10.974	1509	1511	1514	rVV	575764	512957	2.75%	0.226%
34	11.027	1517	1520	1524	rVV2	626137	623007	3.35%	0.274%

LSC Area Percent Report

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Acq On : 10 Feb 2020 22:12
Operator : CG/JU
Sample : L1468-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

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-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.098	1530	1532	1538	rVV	440917	563602	3.03%	0.248%
36	11.186	1544	1547	1550	rVV	366292	467575	2.51%	0.206%
37	11.233	1551	1555	1561	rVB	2399535	2388630	12.83%	1.050%
38	11.380	1569	1580	1582	rBV2	10956665	17928244	96.29%	7.884%
39	11.421	1582	1587	1589	rVV	6651965	6177018	33.17%	2.716%
40	11.445	1589	1591	1595	rVB2	801624	690914	3.71%	0.304%
41	11.569	1605	1612	1615	rBV	2951305	2958971	15.89%	1.301%
42	11.633	1619	1623	1626	rBV2	925872	870418	4.67%	0.383%
43	11.668	1626	1629	1634	rVB3	815869	763838	4.10%	0.336%
44	11.751	1640	1643	1646	rBV	521612	530603	2.85%	0.233%
45	11.839	1652	1658	1661	rBV	3083661	3315880	17.81%	1.458%
46	11.868	1661	1663	1668	rVB	4244428	3432461	18.43%	1.509%
47	11.916	1668	1671	1674	rBV	1697578	1571895	8.44%	0.691%
48	11.957	1674	1678	1680	rBV	5300904	5997452	32.21%	2.637%
49	12.039	1690	1692	1695	rVB2	757352	593822	3.19%	0.261%
50	12.133	1705	1708	1711	rVV	2275460	1979175	10.63%	0.870%
51	12.316	1736	1739	1741	rBV2	611166	629373	3.38%	0.277%
52	12.392	1748	1752	1754	rBV	1437325	1638299	8.80%	0.720%
53	12.427	1754	1758	1760	rVV2	1263080	1572814	8.45%	0.692%
54	12.486	1764	1768	1772	rVV3	527927	875842	4.70%	0.385%
55	12.563	1775	1781	1784	rVV	10076186	13712270	73.64%	6.030%
56	12.615	1788	1790	1792	rVV	531142	479258	2.57%	0.211%
57	12.645	1792	1795	1799	rVV	2871882	2664848	14.31%	1.172%
58	12.704	1801	1805	1813	rVB3	919263	1601937	8.60%	0.704%
59	12.792	1813	1820	1824	rBV2	9341595	14312981	76.87%	6.294%
60	12.827	1824	1826	1831	rVB3	817771	1011591	5.43%	0.445%
61	12.898	1834	1838	1840	rVV	1125025	1197572	6.43%	0.527%
62	12.915	1840	1841	1843	rVV	990176	703662	3.78%	0.309%
63	12.939	1843	1845	1849	rVB	710532	661826	3.55%	0.291%
64	12.998	1850	1855	1858	rBV3	1177126	1922155	10.32%	0.845%
65	13.027	1858	1860	1862	rVB	561386	447821	2.41%	0.197%
66	13.086	1866	1870	1871	rVV3	1065634	1384397	7.44%	0.609%
67	13.110	1871	1874	1877	rVB	3584472	3365924	18.08%	1.480%
68	13.174	1882	1885	1888	rVV	3562848	3482364	18.70%	1.531%
69	13.215	1888	1892	1895	rVV2	1628921	1876387	10.08%	0.825%
70	13.274	1899	1902	1905	rBV2	581430	821824	4.41%	0.361%
71	13.304	1905	1907	1910	rVV	1059304	945331	5.08%	0.416%

LSC Area Percent Report

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Acq On : 10 Feb 2020 22:12
Operator : CG/JU
Sample : L1468-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

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-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.333	1910	1912	1916	rVB	1157458	1198349	6.44%	0.527%
73	13.586	1952	1955	1959	rBV2	512129	718821	3.86%	0.316%
74	13.727	1975	1979	1981	rBV	1009944	1136847	6.11%	0.500%
75	13.751	1981	1983	1985	rVV	1387900	1229388	6.60%	0.541%
76	13.780	1985	1988	1999	rVB3	1152283	2371642	12.74%	1.043%
77	13.974	2014	2021	2024	rBV2	5842414	8396494	45.09%	3.693%
78	14.010	2024	2027	2033	rVB	4916650	4854613	26.07%	2.135%
79	14.121	2043	2046	2050	rVV2	453034	567783	3.05%	0.250%
80	14.162	2050	2053	2056	rVB	530543	528917	2.84%	0.233%
81	14.198	2056	2059	2063	rBV2	636257	767940	4.12%	0.338%
82	14.310	2073	2078	2079	rBV2	250883	408954	2.20%	0.180%
83	14.362	2082	2087	2090	rVV	1186760	1631513	8.76%	0.717%
84	14.392	2090	2092	2095	rVV	608781	642862	3.45%	0.283%
85	14.457	2097	2103	2106	rVV3	824328	1399319	7.52%	0.615%
86	14.486	2106	2108	2110	rVV	855539	898607	4.83%	0.395%
87	14.509	2110	2112	2116	rVV	1166615	1113229	5.98%	0.490%
88	14.557	2117	2120	2125	rVB2	460410	515474	2.77%	0.227%
89	14.851	2167	2170	2177	rVB3	347833	601685	3.23%	0.265%
90	15.015	2192	2198	2201	rBV	3185138	5813844	31.22%	2.557%
91	15.115	2212	2215	2220	rVB	1107952	1200522	6.45%	0.528%
92	15.309	2243	2248	2253	rVB	1973492	2810335	15.09%	1.236%
93	15.374	2253	2259	2263	rBV	3353252	4435776	23.82%	1.951%
94	15.427	2264	2268	2271	rVV	1114178	1590815	8.54%	0.700%
95	15.462	2271	2274	2280	rVB2	916386	1304951	7.01%	0.574%
96	15.980	2358	2362	2368	rVB2	359238	499590	2.68%	0.220%
97	16.874	2507	2514	2521	rVB2	1131753	2335569	12.54%	1.027%
98	17.039	2537	2542	2547	rBV	217924	406858	2.19%	0.179%
99	17.309	2581	2588	2597	rVB	757990	1587022	8.52%	0.698%
100	17.539	2621	2627	2639	rVB	356488	852900	4.58%	0.375%

Sum of corrected areas: 227392116

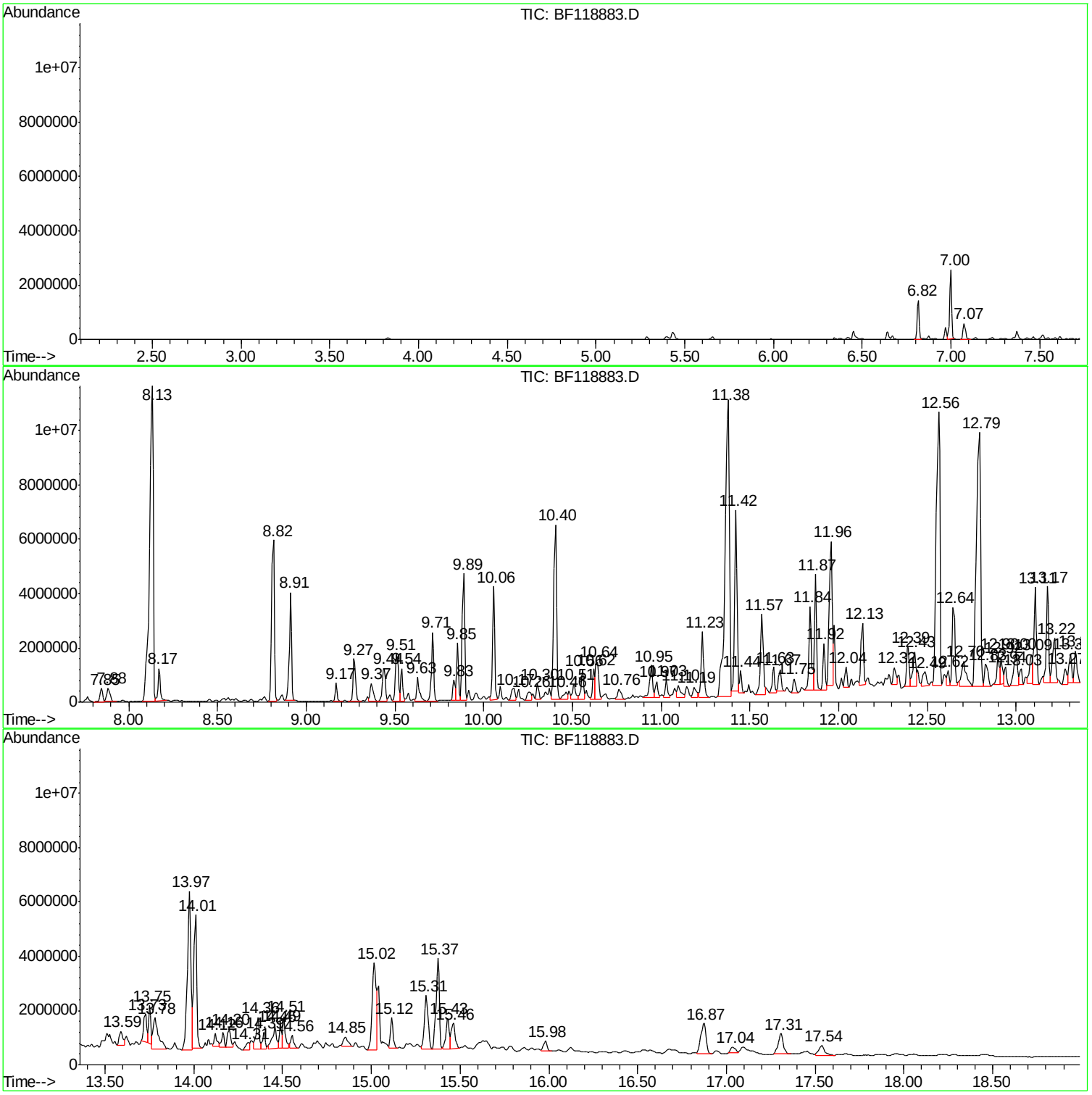
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118883.D
Acq On : 10 Feb 2020 22:12
Operator : CG/JU
Sample : L1468-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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\BF021020\
Data File : BF118883.D
Acq On : 10 Feb 2020 22:12
Operator : CG/JU
Sample : L1468-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

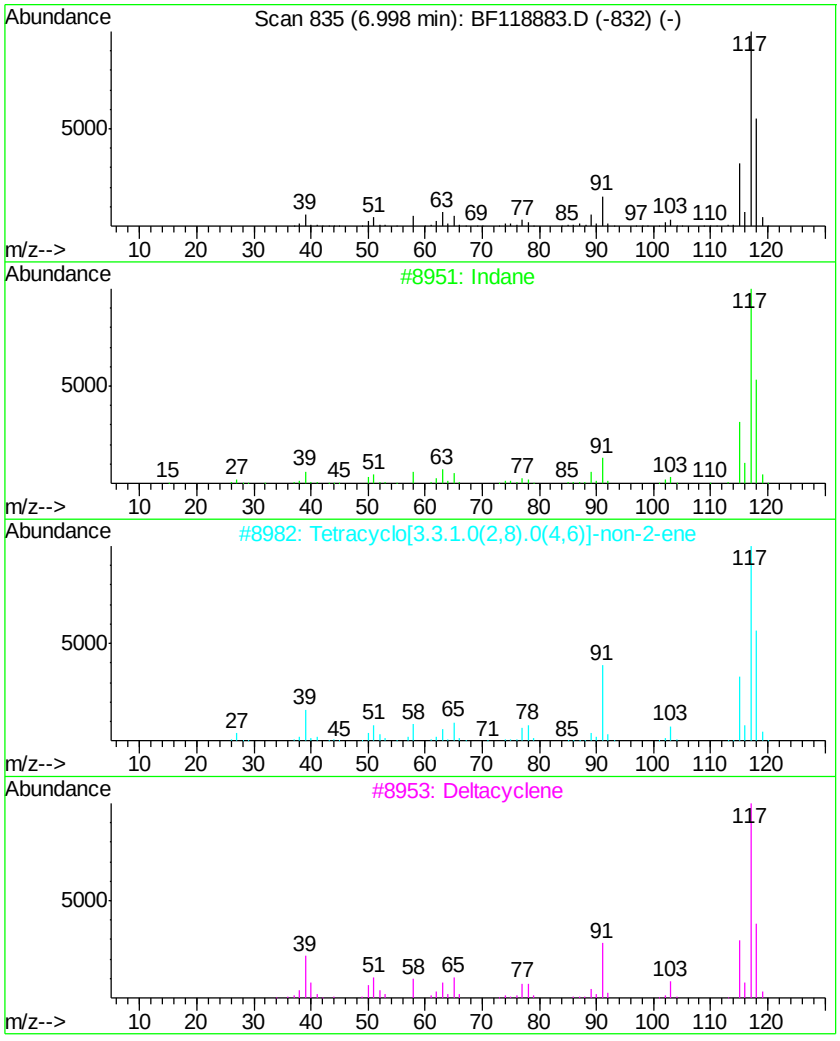
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

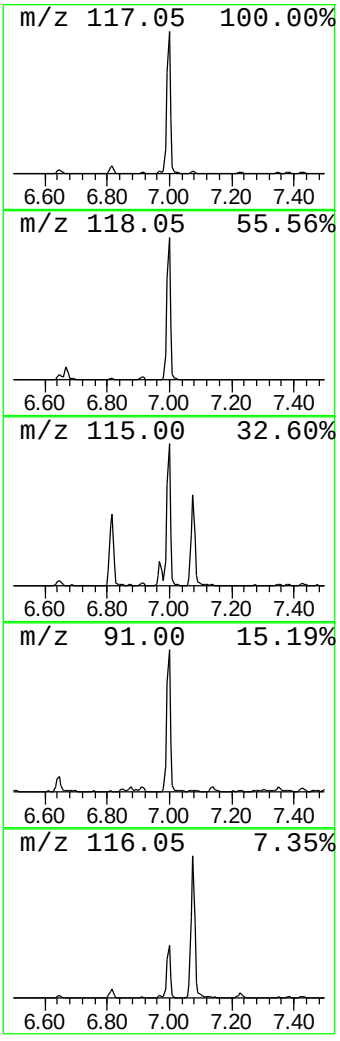
****

Peak Number 1 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	33.20 ng	2083860	1,4-Dichlorobenzene-d4	6.82

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	83
3	Deltacyclene	118	C9H10	007785-10-6	72
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	64
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118883.D
Acq On : 10 Feb 2020 22:12
Operator : CG/JU
Sample : L1468-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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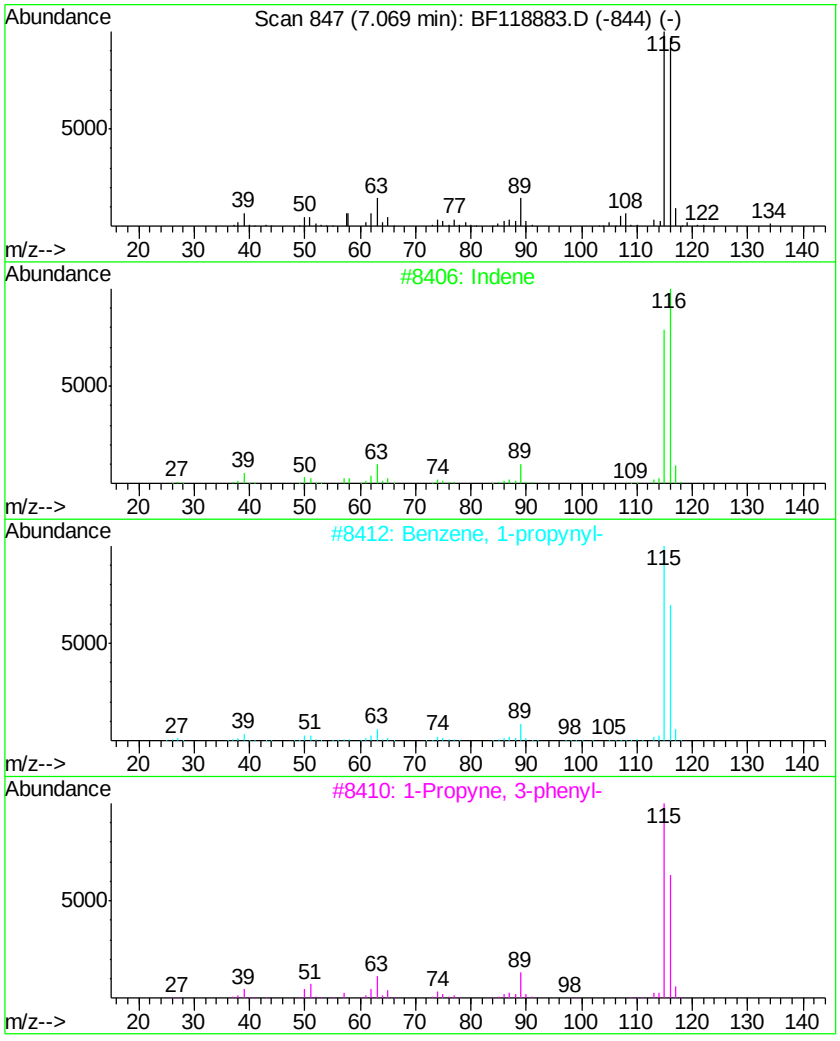
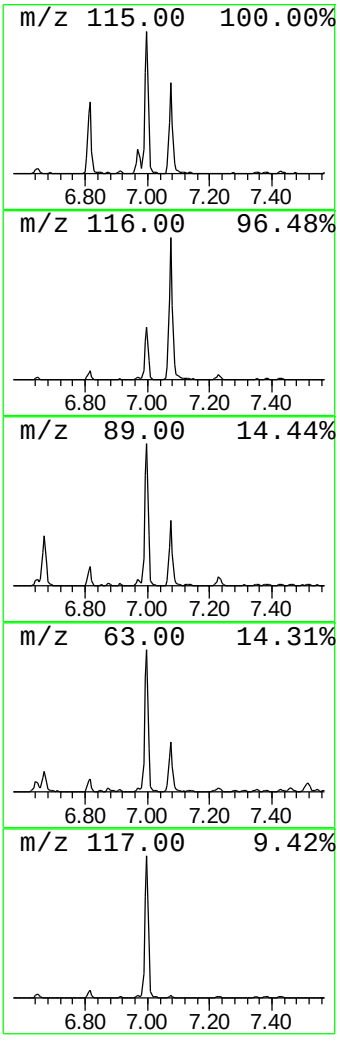
Peak Number 2 Indene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	8.11 ng	508799	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	95
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	90





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Sample : L1468-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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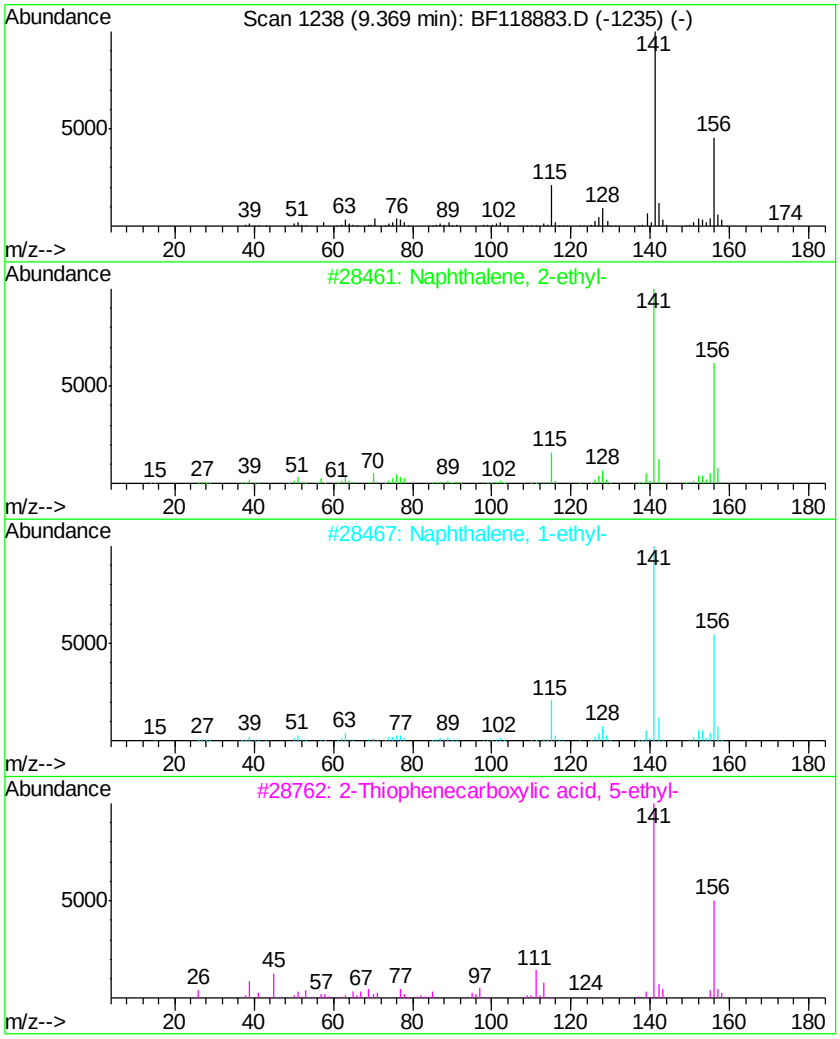
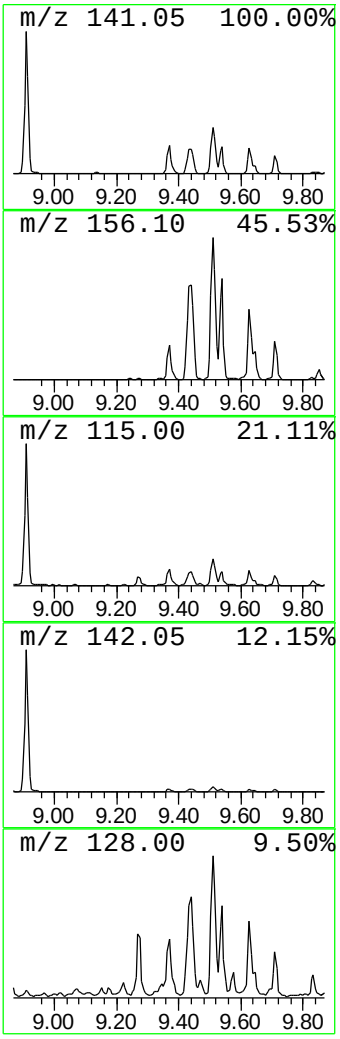
Peak Number 3 Naphthalene, 2-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	8.19 ng	703352	Acenaphthene-d10	9.85

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	95
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4	2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	59
5	Methyl phenylphosphinic acid	156	C7H9O2P	004271-13-0	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118883.D
Acq On : 10 Feb 2020 22:12
Operator : CG/JU
Sample : L1468-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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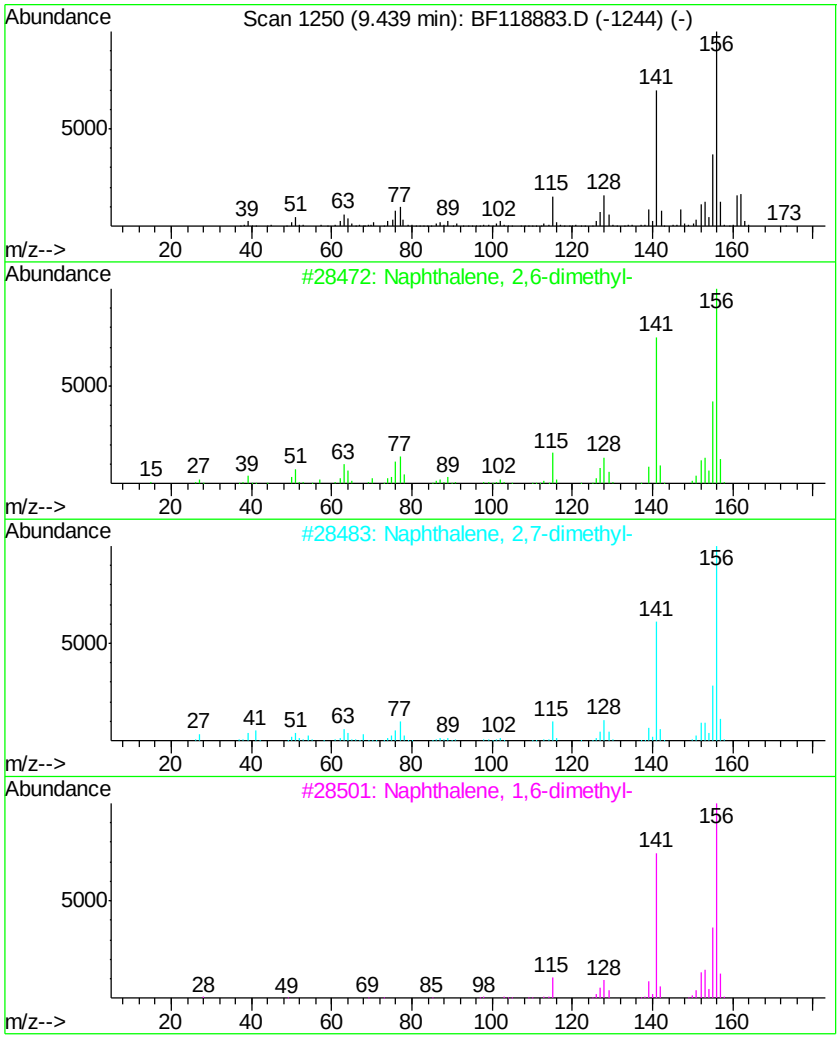
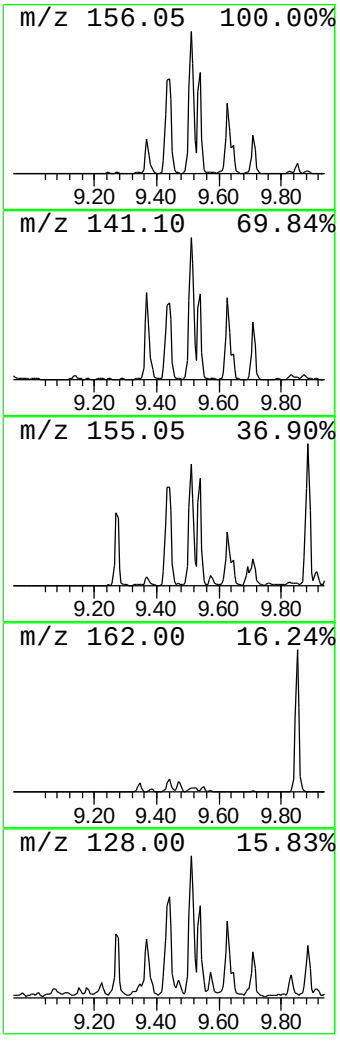
Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	18.70 ng	1605090	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118883.D
Acq On : 10 Feb 2020 22:12
Operator : CG/JU
Sample : L1468-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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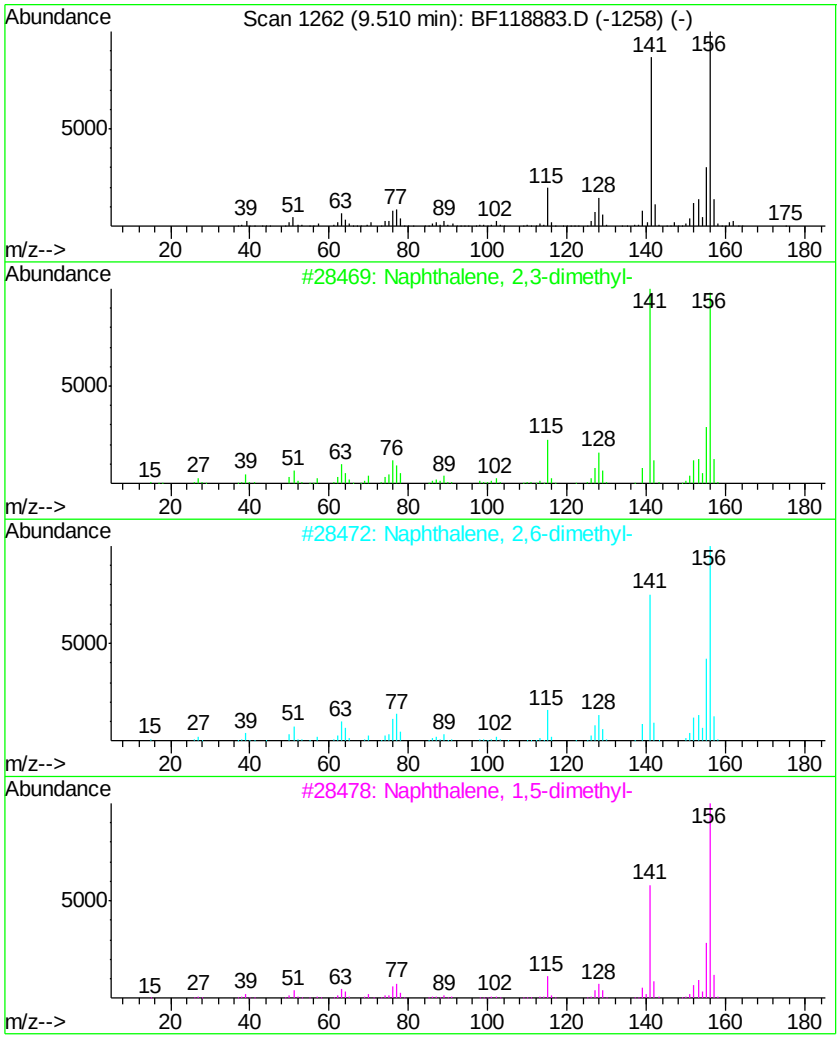
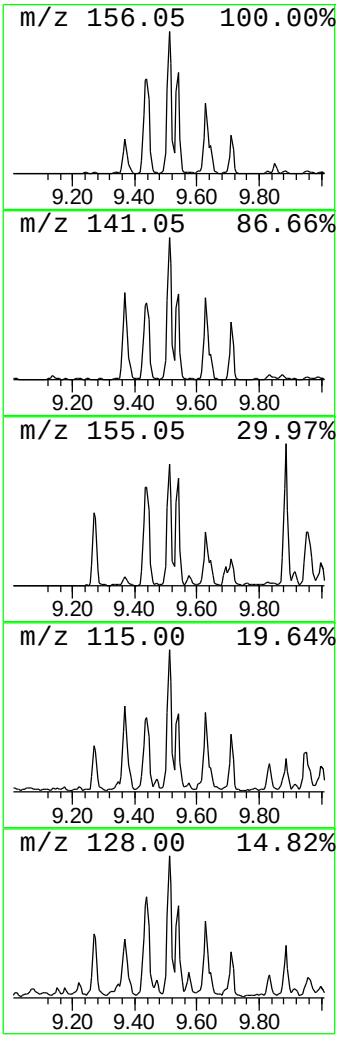
Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	21.31 ng	1828790	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Library Search Compound Report

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Acq On : 10 Feb 2020 22:12
Operator : CG/JU
Sample : L1468-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

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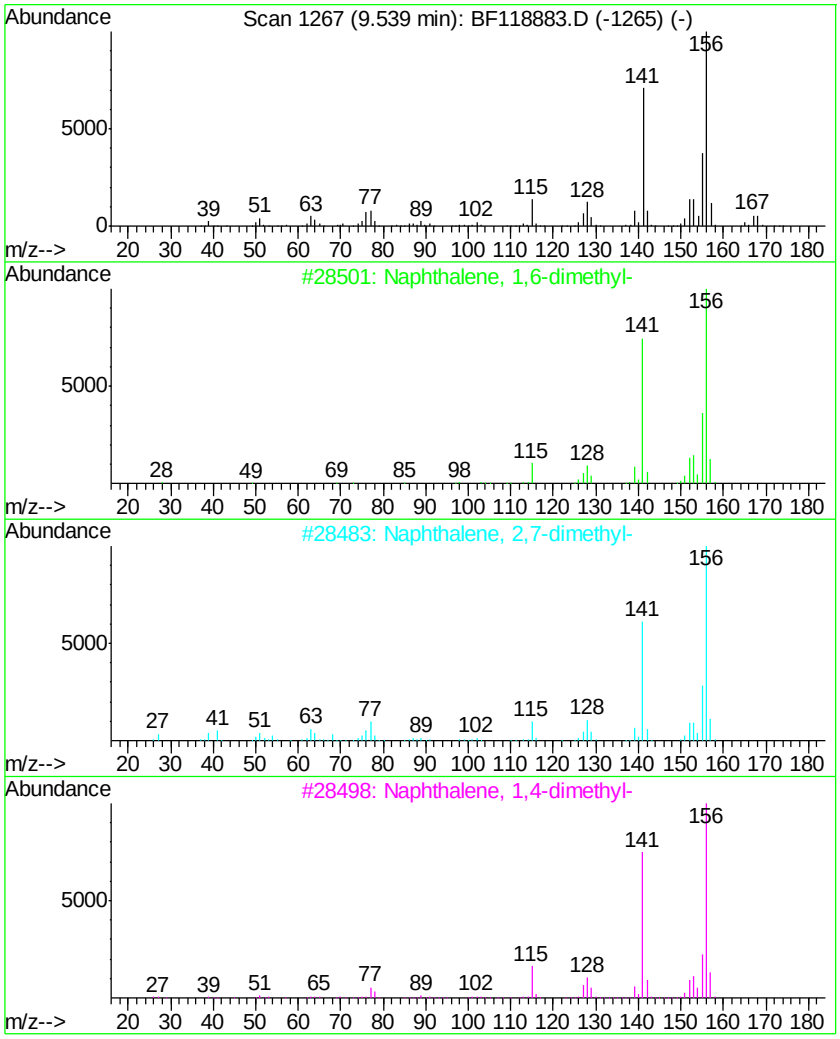
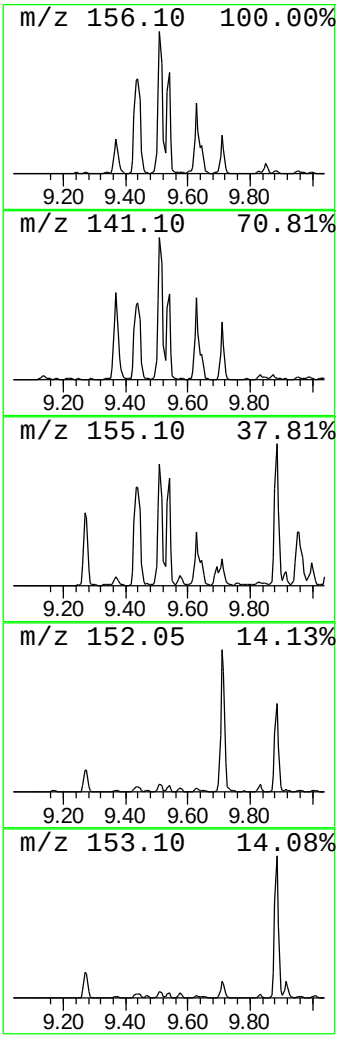
Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	11.78 ng	1010860	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





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Misc :
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Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

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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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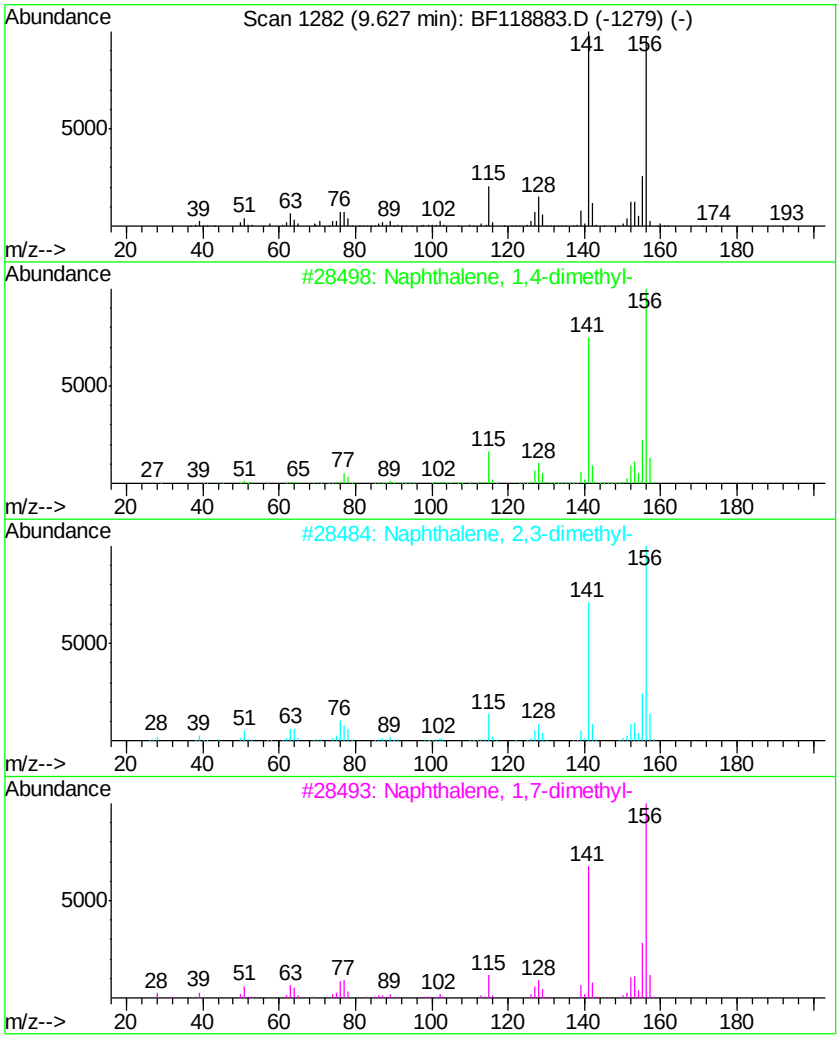
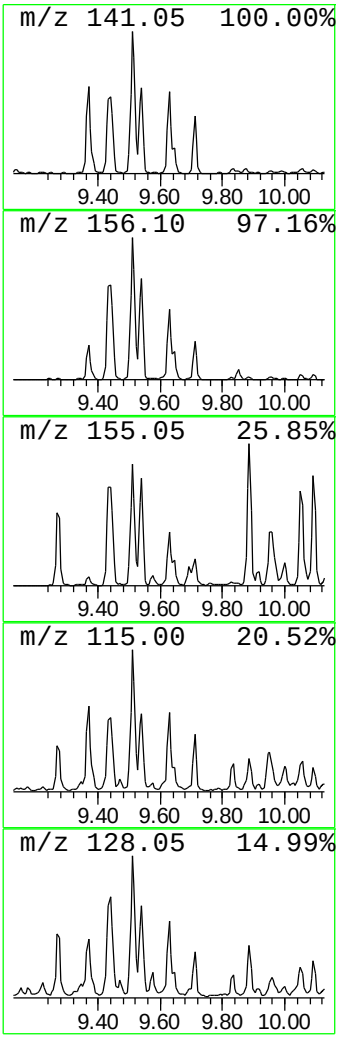
Peak Number 7 Naphthalene, 1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	11.16 ng	957844	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

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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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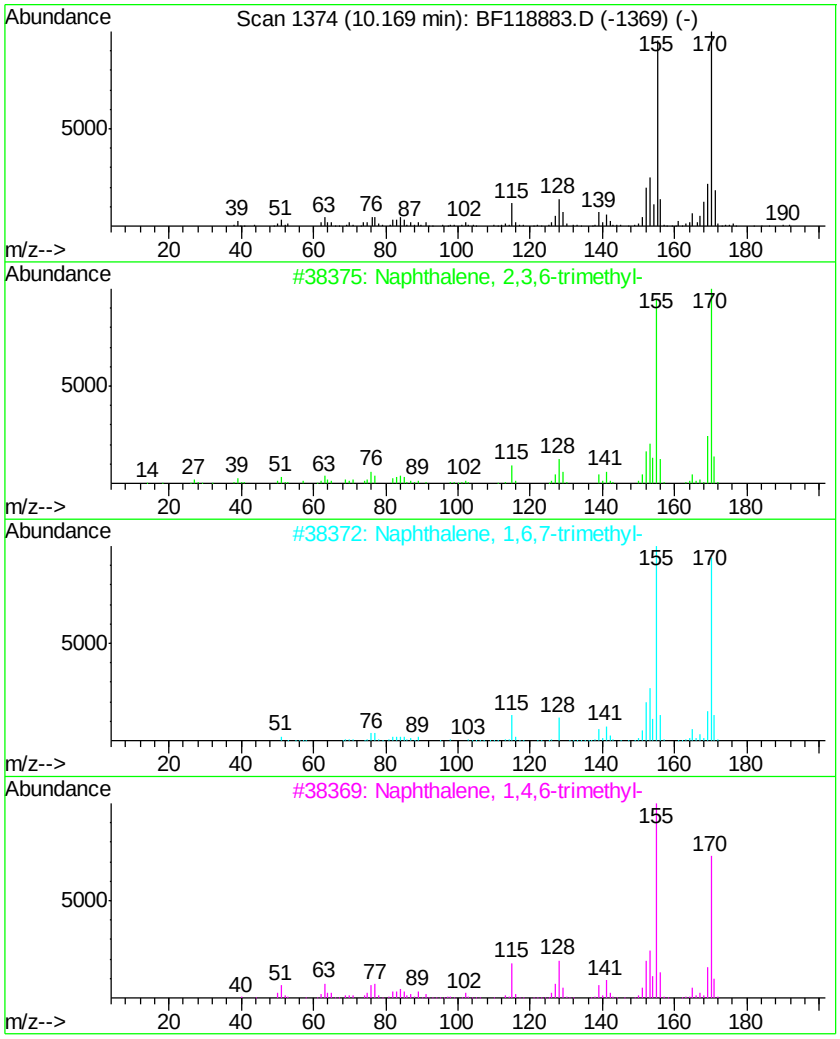
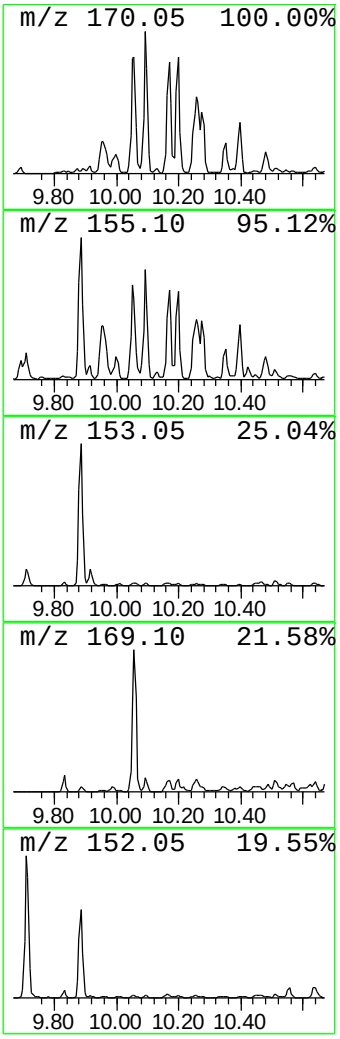
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	6.75 ng	579725	Acenaphthene-d10	9.85

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	95
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	87





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

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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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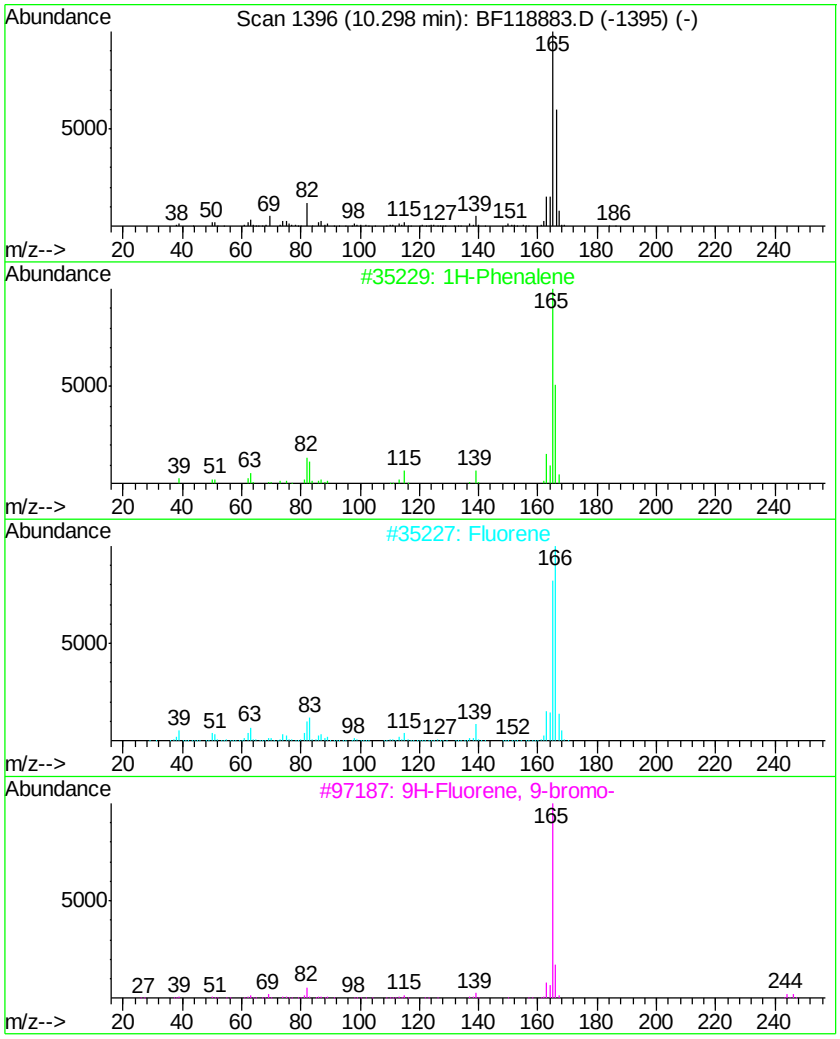
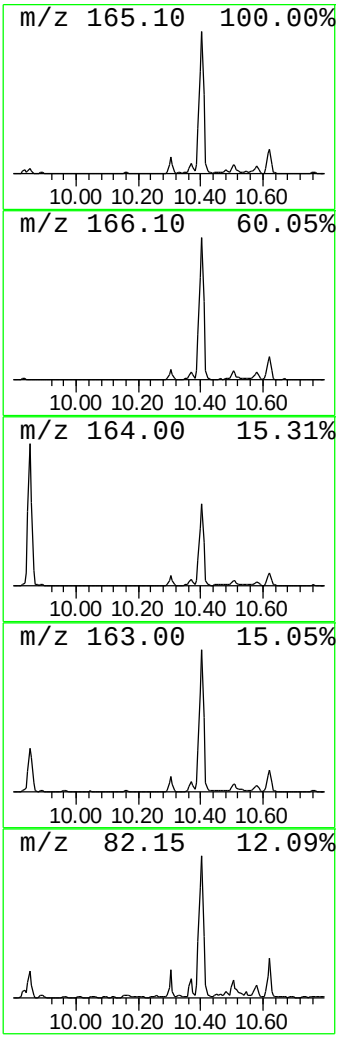
Peak Number 9 1H-Phenalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	5.25 ng	450370	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	80
2	Fluorene	166	C13H10	000086-73-7	50
3	9H-Fluorene, 9-bromo-	244	C13H9Br	001940-57-4	40
4	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	38
5	Spiro[4.5]decane-6,10-dione	166	C10H14O2	006684-66-8	11





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Misc :
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Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

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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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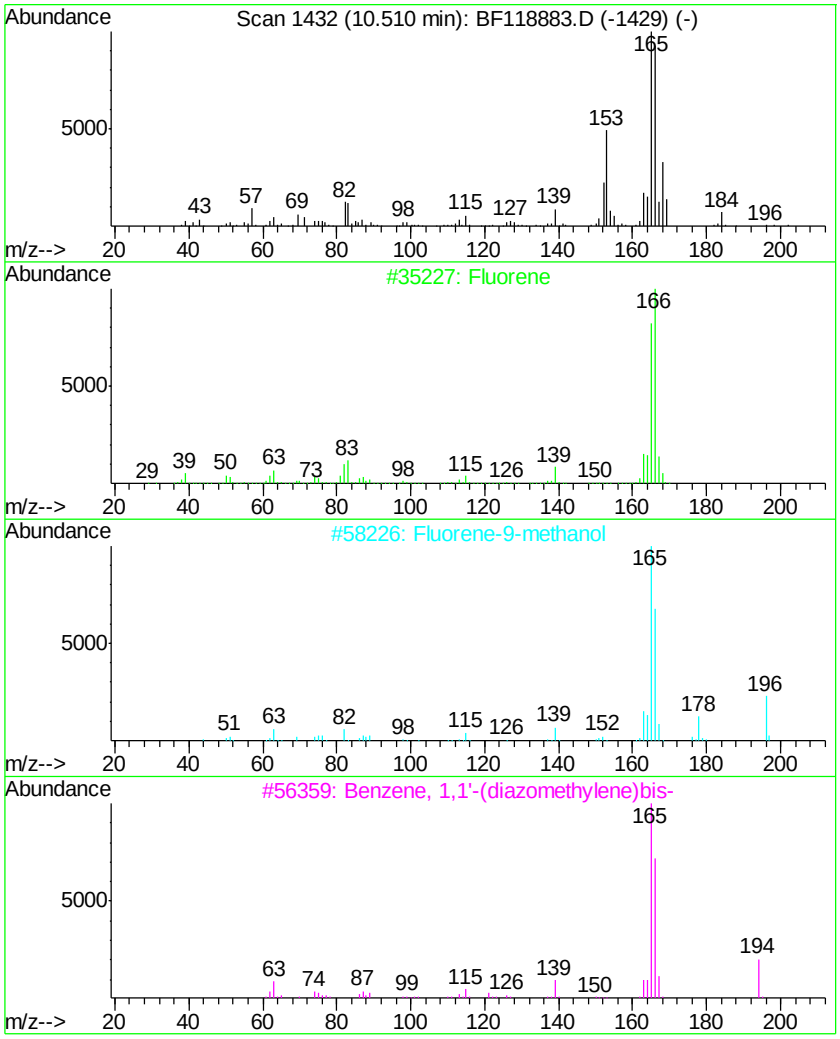
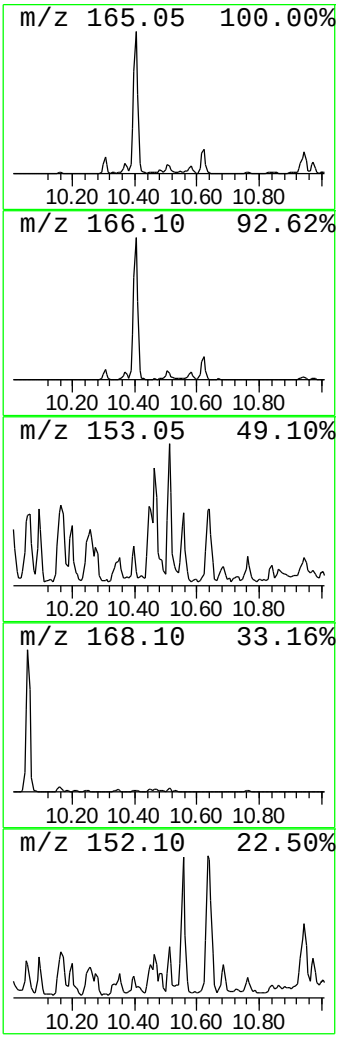
Peak Number 10 Fluorene-9-methanol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	8.53 ng	732454	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene	166	C13H10	000086-73-7	83
2	Fluorene-9-methanol	196	C14H12O	024324-17-2	50
3	Benzene, 1,1'-(diazomethylene)bis-	194	C13H10N2	000883-40-9	50
4	Benzaldehyde, 4,6-dihydroxy-2,3-...	166	C9H10O3	002990-31-0	49
5	Benzofuran, 5-chloro-2-methyl-	166	C9H7ClO	042180-82-5	40





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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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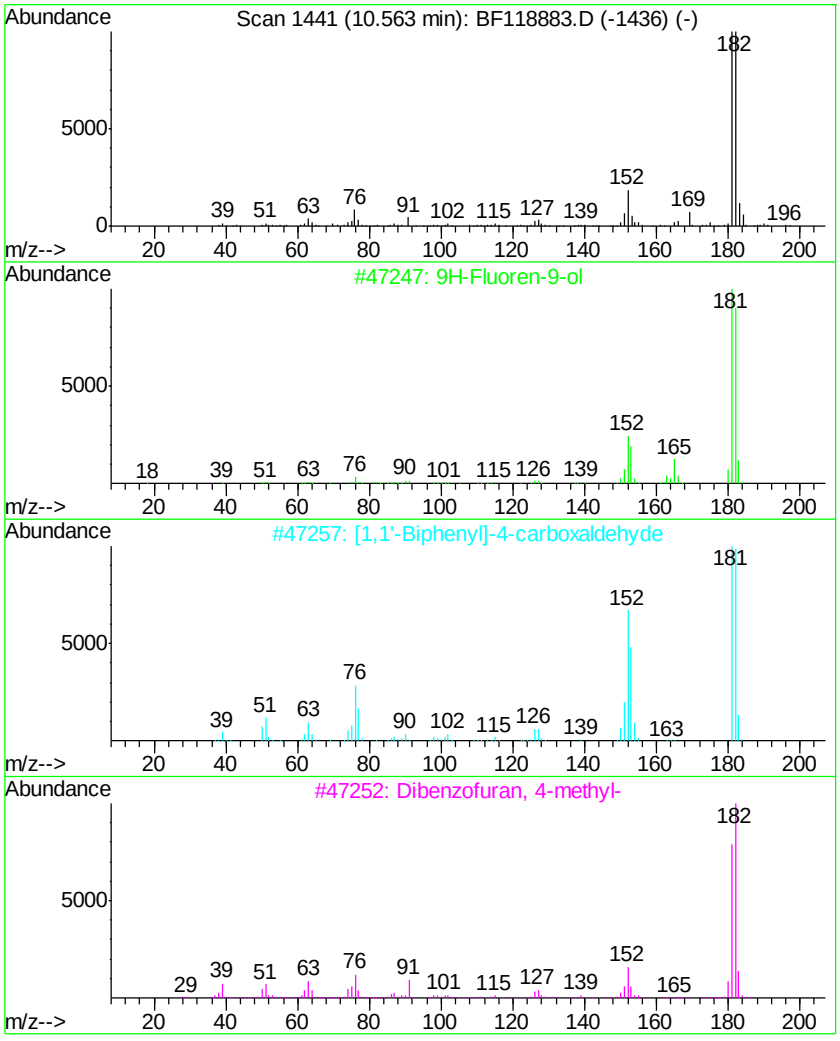
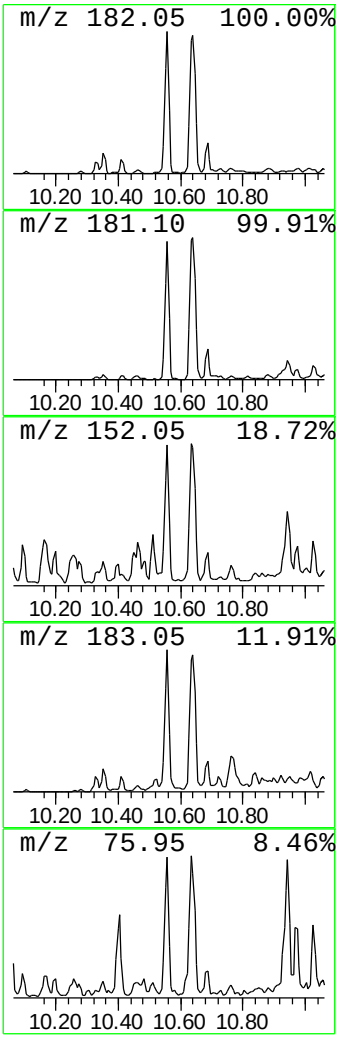
Peak Number 11 9H-Fluoren-9-ol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	12.79 ng	1098190	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
4	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	64
5	2-Fluorenamine	181	C13H11N	000153-78-6	53





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Sample : L1468-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

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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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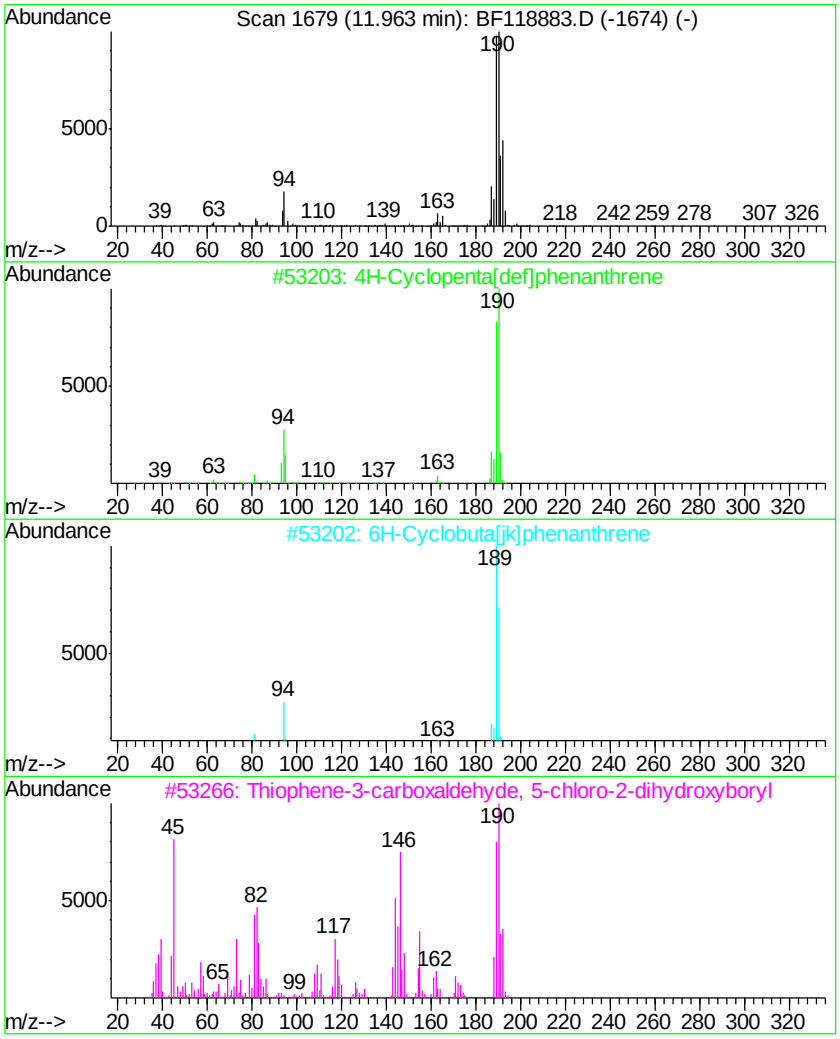
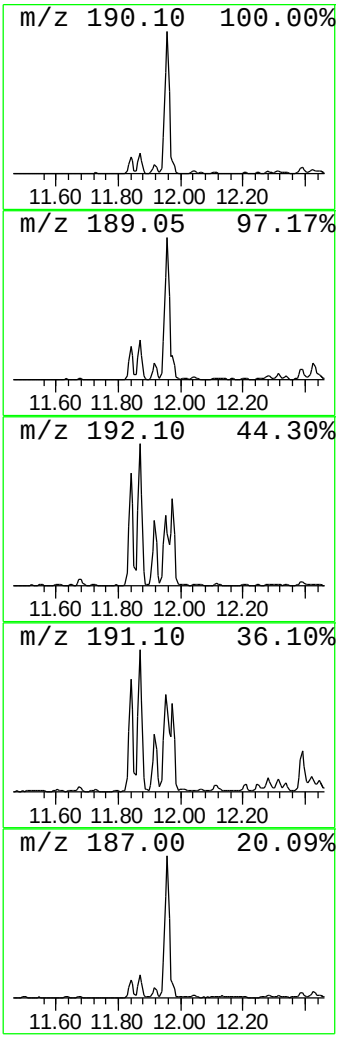
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	6.69 ng	5997450	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





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Misc :
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Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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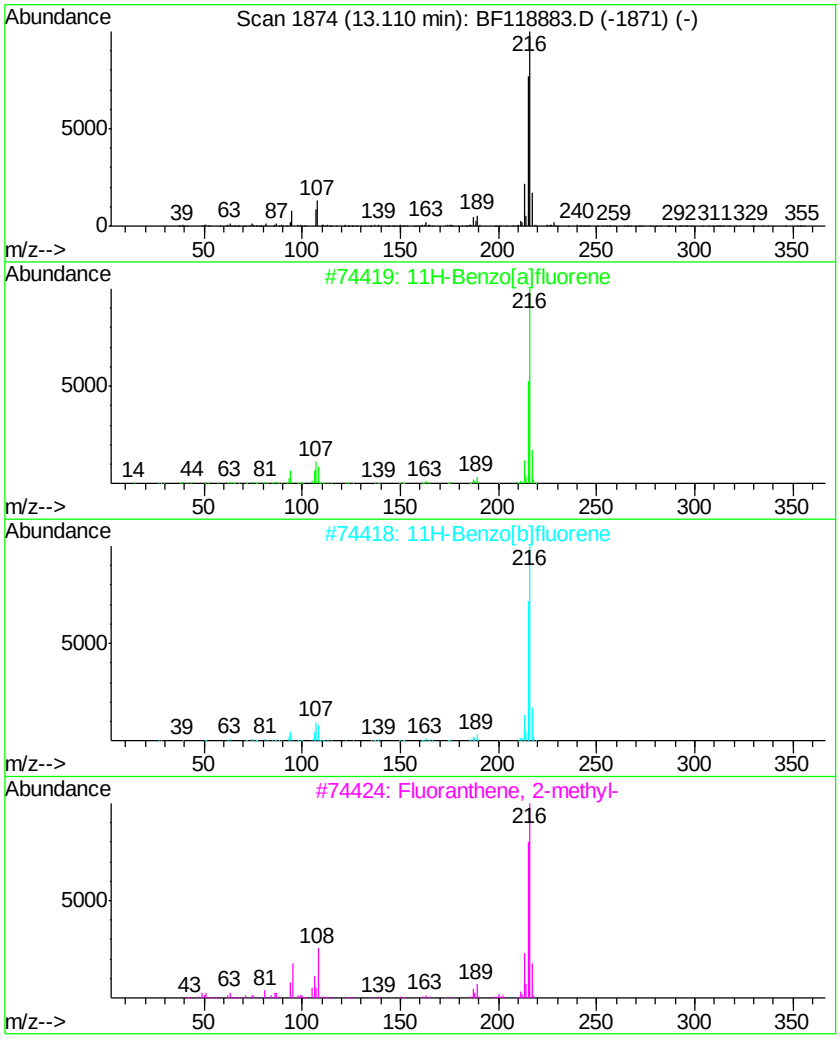
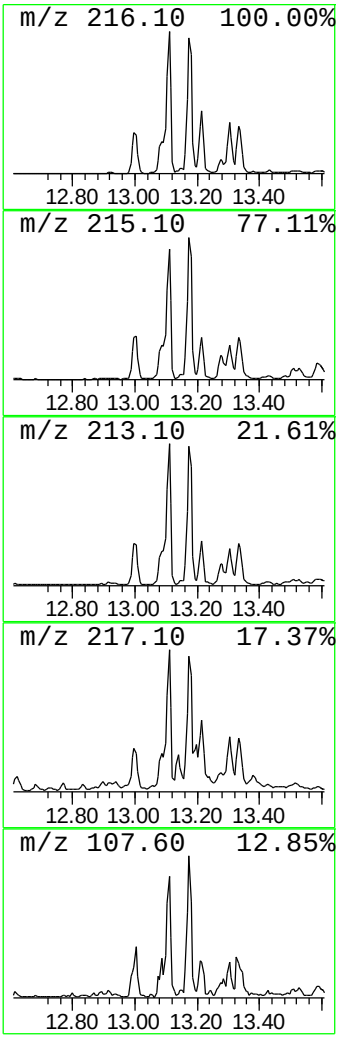
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	8.02 ng	3365920	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Misc :
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Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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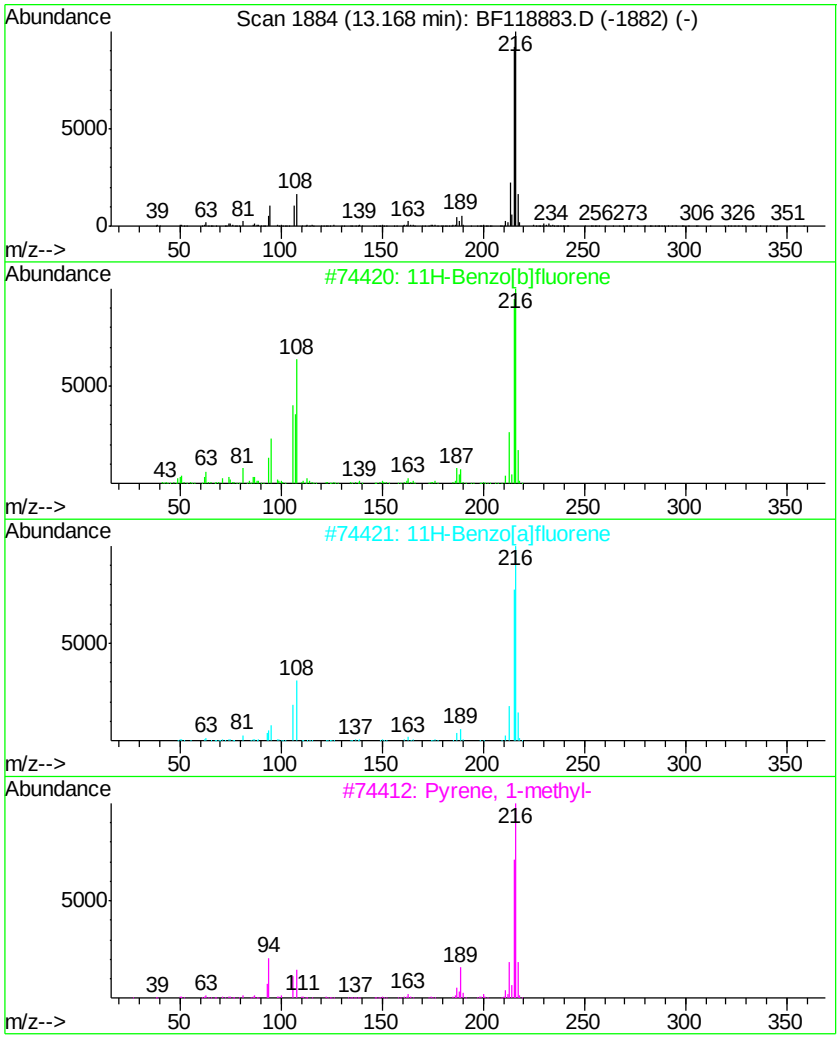
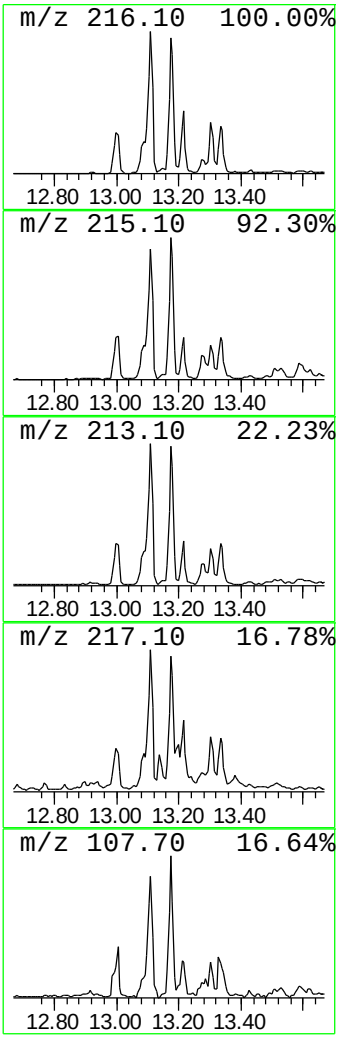
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	8.29 ng	3482360	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60
5	Pyridin-3-ol, 2-(4-nitrophenyl)-	216	C11H8N2O3	030820-89-4	53





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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId : TP9-EP1-2.5

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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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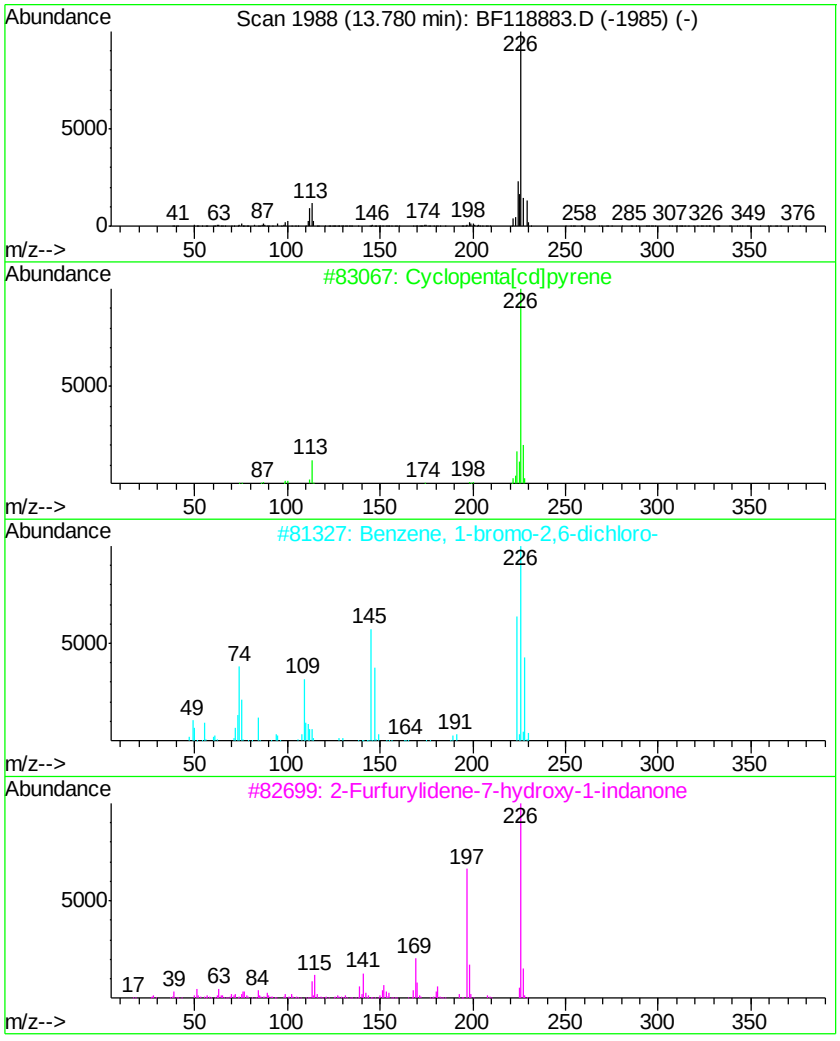
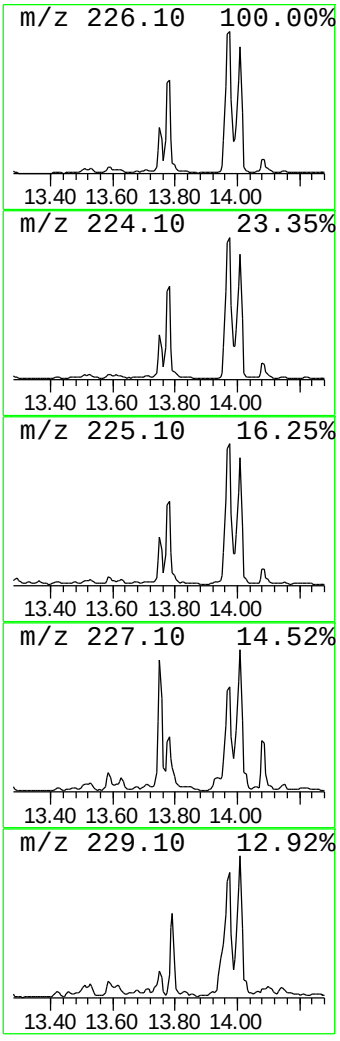
Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	5.65 ng	2371640	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	59
3	2-Furfurylidene-7-hydroxy-1-inda...	226	C14H10O3	1000244-80-4	40
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	37
5	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	33





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ClientSampleId : TP9-EP1-2.5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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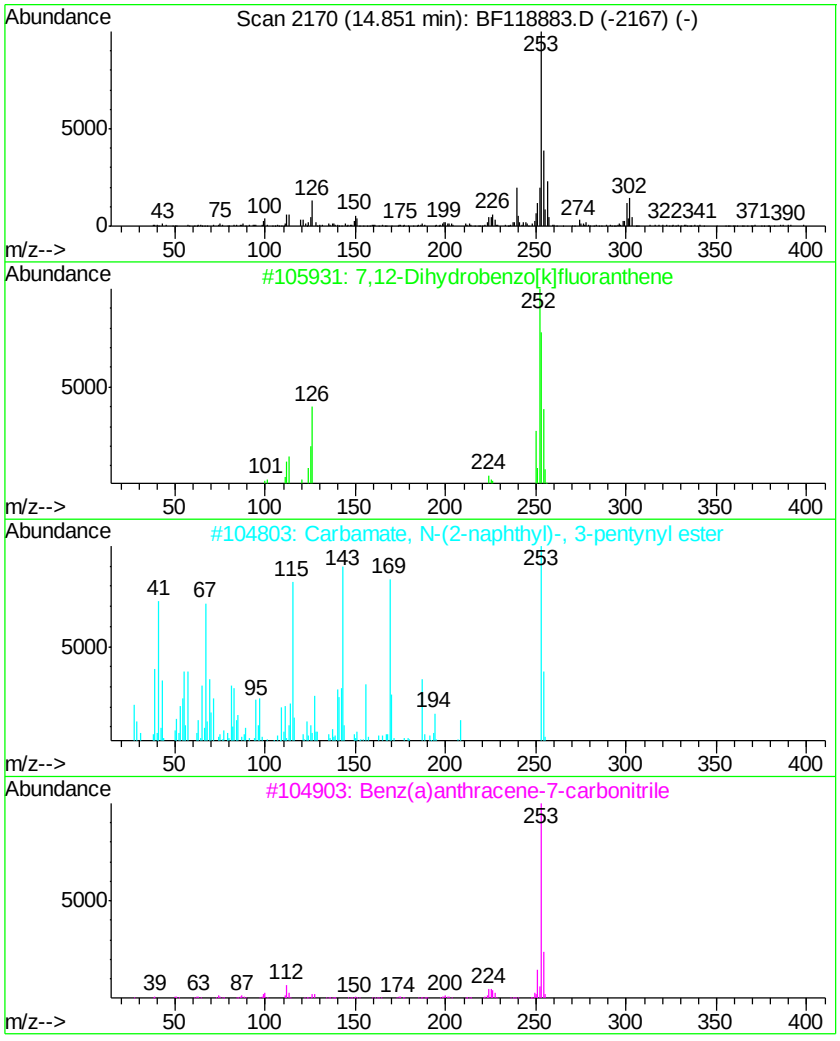
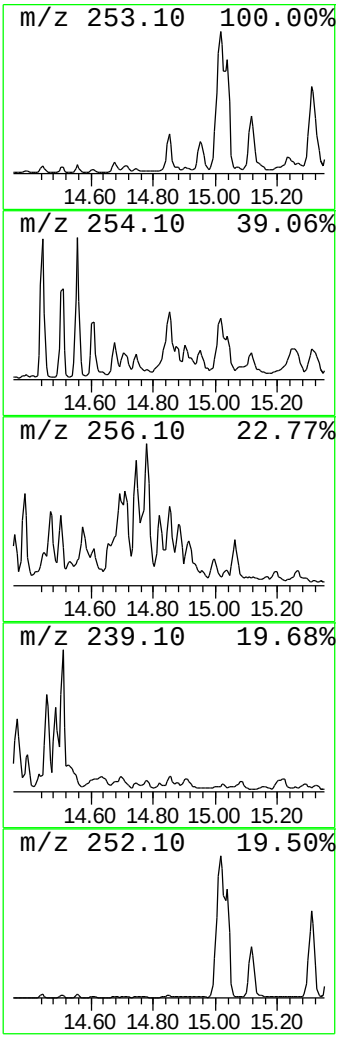
Peak Number 16 unknown14.85 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	7.56 ng	601685	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	49
2	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	46
3	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	46
4	1,1'-Binaphthalene	254	C20H14	000604-53-5	43
5	11-Oxo-5,5-dimethyl-5-sila-11H-5...	254	C14H14N2OSi	089052-47-1	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118883.D
Acq On : 10 Feb 2020 22:12
Operator : CG/JU
Sample : L1468-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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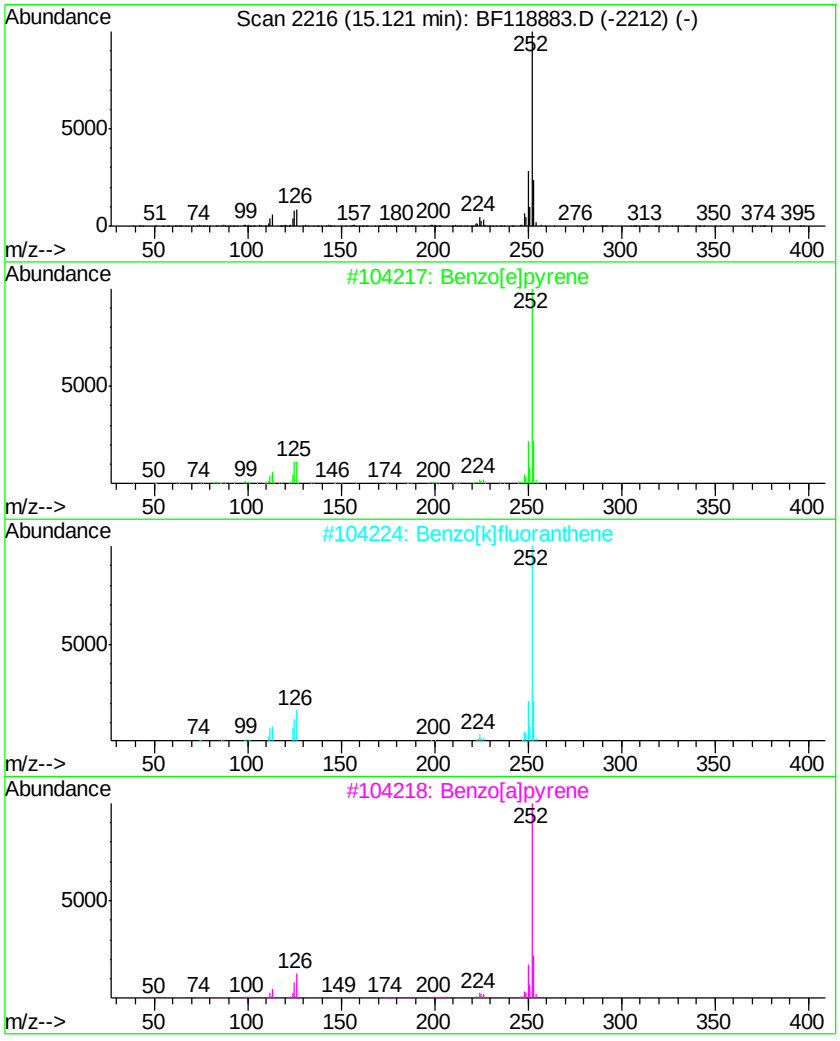
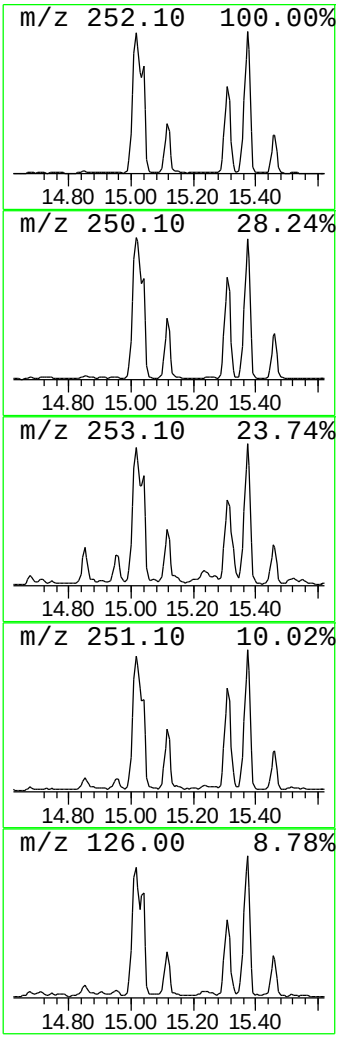
Peak Number 17 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	15.09 ng	1200520	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118883.D
Acq On : 10 Feb 2020 22:12
Operator : CG/JU
Sample : L1468-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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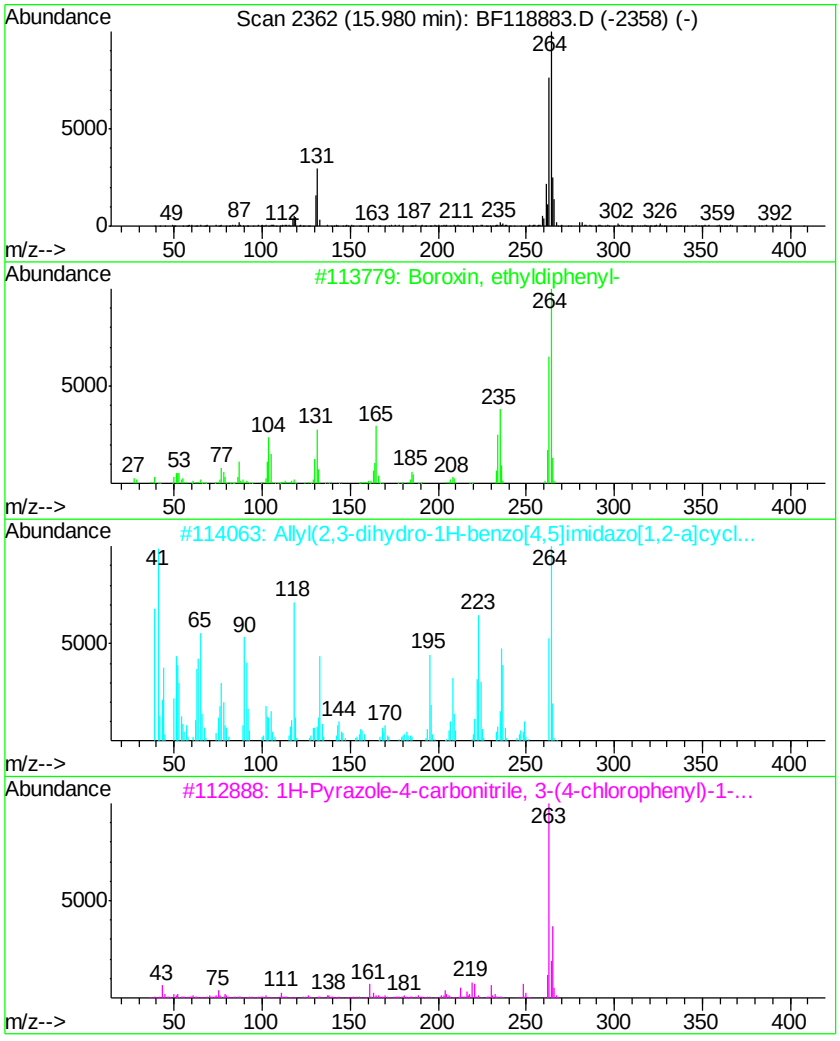
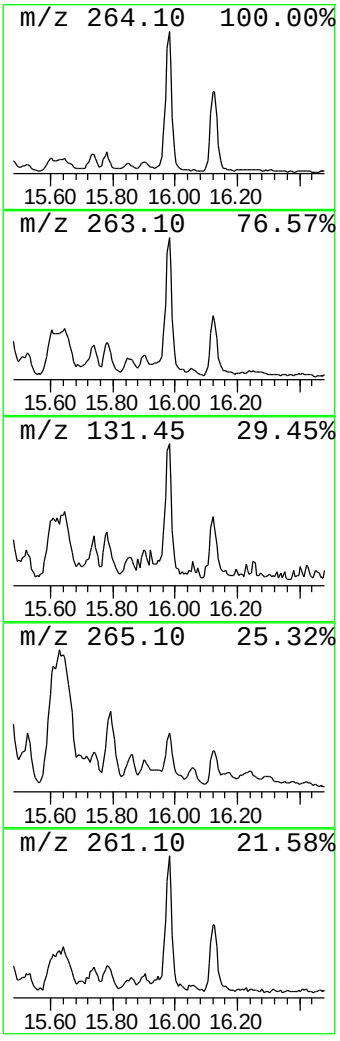
Peak Number 19 Boroxin, ethyldiphenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	6.28 ng	499590	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	64
2	Allyl(2,3-dihydro-1H-benzo[4,5]i...	264	C16H16N4	1000322-09-2	42
3	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	38
4	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	32
5	Terephthalic acid, decyl 2,2-dic...	402	C20H28Cl2O4	1000356-24-9	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118883.D
Acq On : 10 Feb 2020 22:12
Operator : CG/JU
Sample : L1468-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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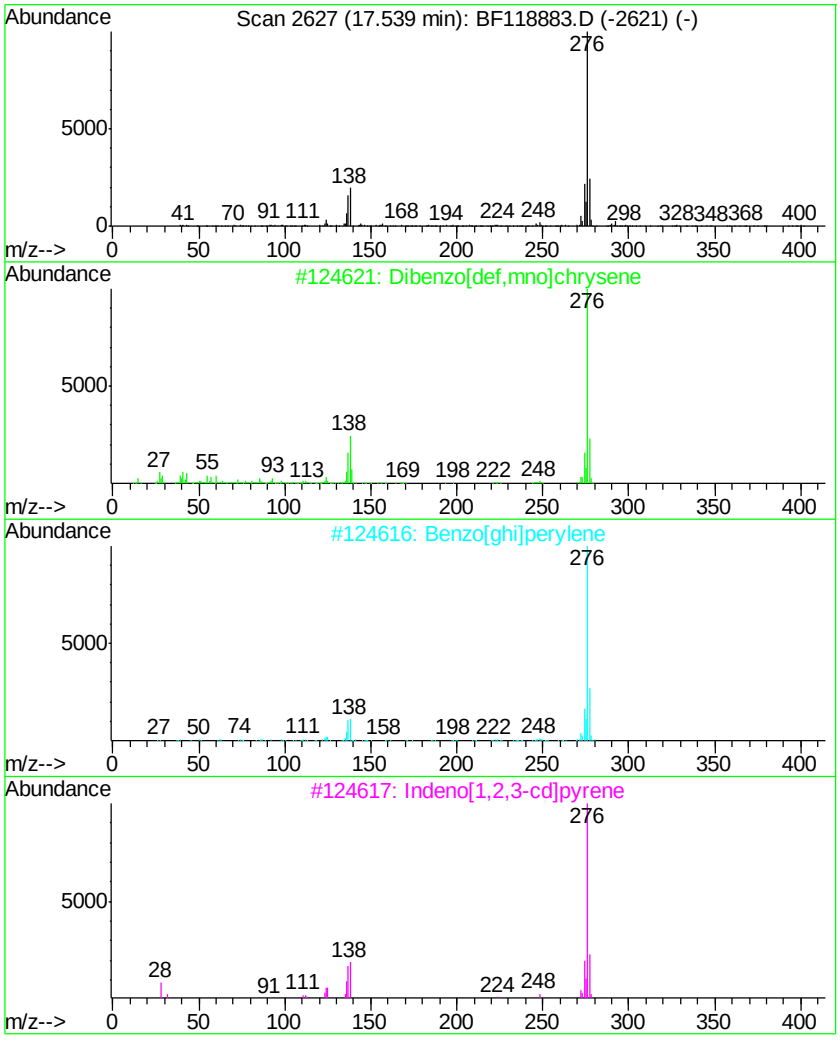
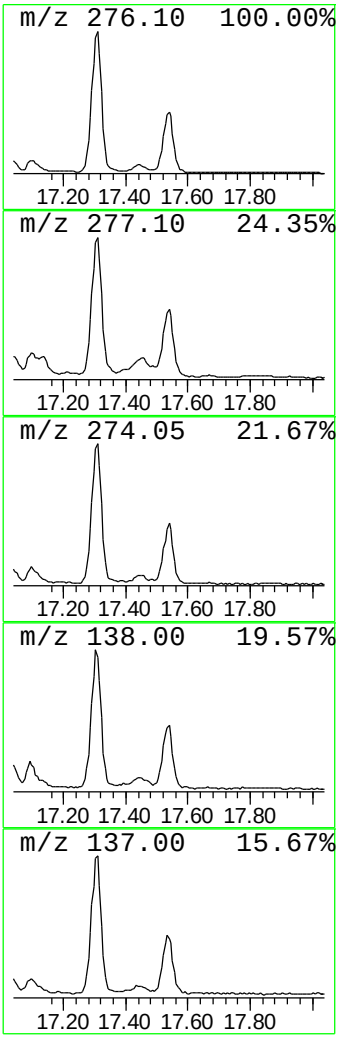
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	10.72 ng	852900	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	76
4	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59
5	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021020\
Data File : BF118883.D
Acq On : 10 Feb 2020 22:12
Operator : CG/JU
Sample : L1468-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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
Indane	7.00	33.2	ng	2083860	1	6.82	1255200	20.0
Indene	7.07	8.1	ng	508799	1	6.82	1255200	20.0
Naphthalene, 2-et...	9.37	8.2	ng	703352	3	9.85	1716640	20.0
Naphthalene, 2,6-...	9.44	18.7	ng	1605090	3	9.85	1716640	20.0
Naphthalene, 2,3-...	9.51	21.3	ng	1828790	3	9.85	1716640	20.0
Naphthalene, 1,6-...	9.54	11.8	ng	1010860	3	9.85	1716640	20.0
Naphthalene, 1,4-...	9.63	11.2	ng	957844	3	9.85	1716640	20.0
Naphthalene, 2,3,...	10.17	6.8	ng	579725	3	9.85	1716640	20.0
1H-Phenalene	10.30	5.3	ng	450370	3	9.85	1716640	20.0
Fluorene-9-methanol	10.51	8.5	ng	732454	3	9.85	1716640	20.0
9H-Fluoren-9-ol	10.56	12.8	ng	1098190	3	9.85	1716640	20.0
4H-Cyclopenta[def...	11.96	6.7	ng	5997450	4	11.34	17928200	20.0
11H-Benzo[a]fluorene	13.11	8.0	ng	3365920	5	13.98	8396490	20.0
11H-Benzo[b]fluorene	13.17	8.3	ng	3482360	5	13.98	8396490	20.0
Cyclopenta[cd]pyrene	13.78	5.7	ng	2371640	5	13.98	8396490	20.0
unknown14.85	14.85	7.6	ng	601685	6	15.43	1590820	20.0
Benzo[e]pyrene	15.12	15.1	ng	1200520	6	15.43	1590820	20.0
Boroxin, ethyldip...	15.98	6.3	ng	499590	6	15.43	1590820	20.0
Dibenzo[def,mno]c...	17.54	10.7	ng	852900	6	15.43	1590820	20.0