LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115693.D
Acq On : 20 Jul 2019 1:03
Operator : HP/JU
Sample : K3887-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(2)

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.498	573	580	594	rBV	1672357	1597492	8.86%	0.422%
2	6.510	744	752	760	rBV	1923584	2016621	11.18%	0.532%
3	6.651	772	776	779	rBV	2119699	1820621	10.10%	0.481%
4	6.716	782	787	791	rBV2	1170595	1286990	7.14%	0.340%
5	7.039	838	842	844	rBV	1437870	1236810	6.86%	0.327%
6	7.145	856	860	867	rBV	1980001	1942693	10.77%	0.513%
7	7.439	904	910	913	rBV	1422514	1351376	7.49%	0.357%
8	8.204	1030	1040	1043	rVV2	7023985	14827273	82.22%	3.915%
9	8.898	1150	1158	1161	rVV	7030333	11864596	65.79%	3.133%
10	8.998	1168	1175	1178	rVV	6979953	11075527	61.42%	2.924%
11	9.239	1213	1216	1219	rVB	2427661	1901454	10.54%	0.502%
12	9.345	1228	1234	1236	rBV	3755323	3351485	18.58%	0.885%
13	9.439	1248	1250	1255	rVB	1469702	1648412	9.14%	0.435%
14	9.516	1255	1263	1266	rBV	4941101	7548145	41.86%	1.993%
15	9.592	1270	1276	1278	rVV	6037635	8175597	45.33%	2.159%
16	9.616	1278	1280	1283	rVV	5138290	4622599	25.63%	1.221%
17	9.645	1283	1285	1290	rVB	1599938	1375250	7.63%	0.363%
18	9.704	1291	1295	1303	rVB	3993352	4953515	27.47%	1.308%
19	9.786	1303	1309	1313	rBV	5222510	5044726	27.97%	1.332%
20	9.904	1325	1329	1331	rVV	3478900	3246996	18.00%	0.857%
21	9.922	1331	1332	1335	rVV2	1753924	1292688	7.17%	0.341%
22	9.957	1335	1338	1341	rVV	4114406	3632849	20.14%	0.959%
23	10.127	1363	1367	1370	rVV	3107060	3023350	16.76%	0.798%
24	10.163	1370	1373	1377	rVV	2288174	2208411	12.25%	0.583%
25	10.239	1381	1386	1389	rBV2	1906672	2366008	13.12%	0.625%
26	10.269	1389	1391	1397	rVV	1932712	1538232	8.53%	0.406%
27	10.333	1397	1402	1403	rVV2	1207989	1617501	8.97%	0.427%
28	10.427	1416	1418	1422	rVV2	1505203	1711867	9.49%	0.452%
29	10.486	1422	1428	1431	rVV	6266041	8700246	48.24%	2.297%
30	10.539	1431	1437	1438	rVV3	1219472	1801104	9.99%	0.476%
31	10.580	1442	1444	1447	rVV2	1335245	1382877	7.67%	0.365%
32	10.627	1447	1452	1455	rVV3	1864518	2585217	14.34%	0.683%
33	10.710	1460	1466	1470	rVV2	2461528	3442357	19.09%	0.909%
34	11.022	1514	1519	1521	rVV	3729665	4491762	24.91%	1.186%

LSC Area Percent Report

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Sample : K3887-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(2)

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.051	1521	1524	1527	rVV	2349359	1864032	10.34%	0.492%
36	11.104	1530	1533	1536	rVB	2455923	1973524	10.94%	0.521%
37	11.222	1549	1553	1557	rVB2	1869816	1839844	10.20%	0.486%
38	11.310	1564	1568	1571	rBV	3805519	3614406	20.04%	0.954%
39	11.469	1581	1595	1597	rBV	6958437	18033904	100.00%	4.762%
40	11.504	1597	1601	1603	rVV	4730526	4752538	26.35%	1.255%
41	11.704	1632	1635	1638	rVV	1666000	1616313	8.96%	0.427%
42	11.745	1638	1642	1646	rVV2	3132303	3174304	17.60%	0.838%
43	11.827	1650	1656	1660	rVB	2140781	2707428	15.01%	0.715%
44	11.927	1667	1673	1675	rVV	5773770	8455876	46.89%	2.233%
45	11.963	1675	1679	1682	rVB	6052219	7300085	40.48%	1.928%
46	11.998	1682	1685	1688	rBV	2365808	2426837	13.46%	0.641%
47	12.039	1688	1692	1695	rVV2	6290431	9832279	54.52%	2.596%
48	12.063	1695	1696	1699	rVV	5046557	3696125	20.50%	0.976%
49	12.210	1713	1721	1724	rBV	3683810	4458647	24.72%	1.177%
50	12.245	1724	1727	1731	rVB2	1842055	2046745	11.35%	0.540%
51	12.357	1741	1746	1749	rBV2	1637882	2209318	12.25%	0.583%
52	12.392	1749	1752	1754	rVV	2320911	2187058	12.13%	0.577%
53	12.416	1754	1756	1759	rVB2	1802952	1491100	8.27%	0.394%
54	12.474	1759	1766	1768	rBV	3985359	5456818	30.26%	1.441%
55	12.510	1768	1772	1777	rVV4	3066308	5749834	31.88%	1.518%
56	12.563	1777	1781	1785	rVV3	2105563	3481746	19.31%	0.919%
57	12.645	1789	1795	1798	rBV2	6134721	9980822	55.34%	2.635%
58	12.727	1806	1809	1812	rVB	1691141	1489908	8.26%	0.393%
59	12.780	1813	1818	1820	rBV3	1275536	1485500	8.24%	0.392%
60	12.886	1828	1836	1838	rBV	6655540	14396472	79.83%	3.801%
61	12.916	1838	1841	1844	rVB2	1245506	1454176	8.06%	0.384%
62	12.998	1852	1855	1857	rVV	1292606	1343163	7.45%	0.355%
63	13.086	1864	1870	1875	rBV3	2811867	4507708	25.00%	1.190%
64	13.168	1880	1884	1886	rVV3	2193788	3181152	17.64%	0.840%
65	13.198	1886	1889	1891	rVB	4469418	4579817	25.40%	1.209%
66	13.263	1896	1900	1903	rVV	3441707	3742042	20.75%	0.988%
67	13.304	1903	1907	1910	rVV	3970985	4619136	25.61%	1.220%
68	13.392	1918	1922	1924	rVV	3165385	3434447	19.04%	0.907%
69	13.427	1924	1928	1930	rVB	3440548	3461630	19.20%	0.914%
70	13.592	1952	1956	1958	rVV2	1476181	2285378	12.67%	0.603%
71	13.610	1958	1959	1962	rVV	1490018	1255556	6.96%	0.332%

LSC Area Percent Report

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Sample : K3887-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(2)

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.674	1965	1970	1972	rVV	1323317	2296553	12.73%	0.606%
73	13.704	1972	1975	1979	rVV2	1928228	2646644	14.68%	0.699%
74	13.810	1988	1993	1995	rVV2	2350939	3543528	19.65%	0.936%
75	13.839	1995	1998	2000	rVV	2792177	2900662	16.08%	0.766%
76	13.868	2000	2003	2005	rVV	1563743	1810870	10.04%	0.478%
77	14.063	2029	2036	2038	rVV	5543505	9587567	53.16%	2.532%
78	14.104	2038	2043	2048	rVV	5801840	9094505	50.43%	2.401%
79	14.145	2048	2050	2053	rVV	1102597	1280871	7.10%	0.338%
80	14.168	2053	2054	2058	rVV3	975409	1334221	7.40%	0.352%
81	14.210	2058	2061	2070	rVV6	1462267	3766767	20.89%	0.995%
82	14.286	2070	2074	2077	rVV4	741589	1496421	8.30%	0.395%
83	14.315	2077	2079	2082	rVV3	1165882	1365677	7.57%	0.361%
84	14.410	2092	2095	2097	rVV	1281214	1511156	8.38%	0.399%
85	14.451	2097	2102	2105	rVV	3566168	5615814	31.14%	1.483%
86	14.486	2105	2108	2110	rVV	2590044	2839629	15.75%	0.750%
87	14.527	2110	2115	2116	rVV3	1493713	2317162	12.85%	0.612%
88	14.545	2116	2118	2121	rVV	1904510	2088244	11.58%	0.551%
89	14.574	2121	2123	2125	rVV2	2174177	2466605	13.68%	0.651%
90	14.598	2125	2127	2130	rVV2	2020989	1820531	10.10%	0.481%
91	14.639	2130	2134	2137	rVV2	1225338	1376918	7.64%	0.364%
92	14.951	2183	2187	2190	rVV2	791262	1258057	6.98%	0.332%
93	15.004	2193	2196	2208	rVB3	718851	1419537	7.87%	0.375%
94	15.121	2208	2216	2219	rBV	3019737	6512745	36.11%	1.720%
95	15.221	2229	2233	2237	rVB	1200401	1349178	7.48%	0.356%
96	15.421	2261	2267	2272	rVB	2509394	3730532	20.69%	0.985%
97	15.492	2272	2279	2283	rBV	3360027	5420363	30.06%	1.431%
98	15.580	2290	2294	2300	rVB3	913832	1743608	9.67%	0.460%
99	17.045	2535	2543	2549	rVB	1417052	3028261	16.79%	0.800%
100	17.498	2612	2620	2632	rVB	1187983	2827269	15.68%	0.747%

Sum of corrected areas: 378718210

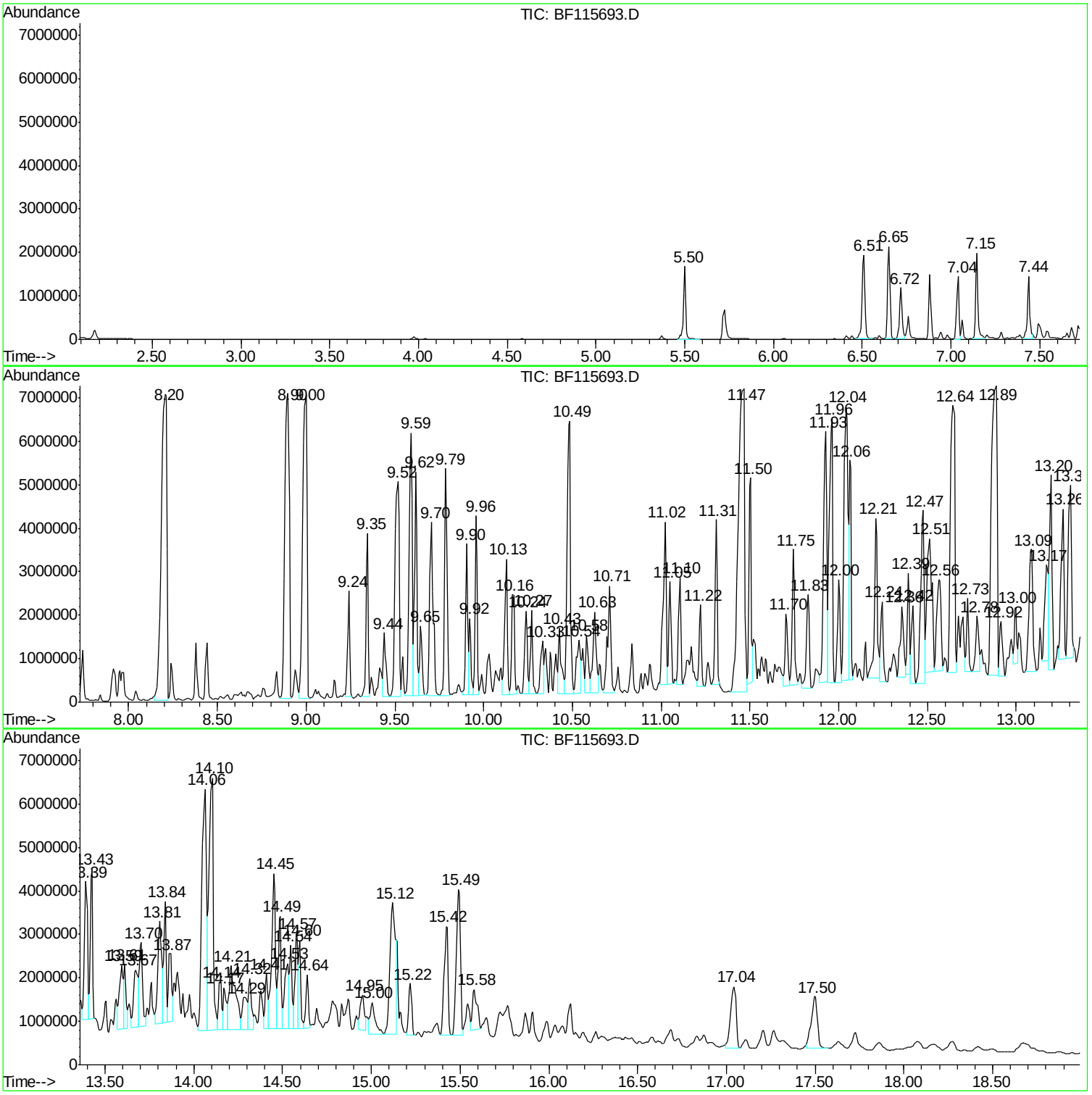
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115693.D
Acq On : 20 Jul 2019 1:03
Operator : HP/JU
Sample : K3887-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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\BF071919\
Data File : BF115693.D
Acq On : 20 Jul 2019 1:03
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Sample : K3887-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

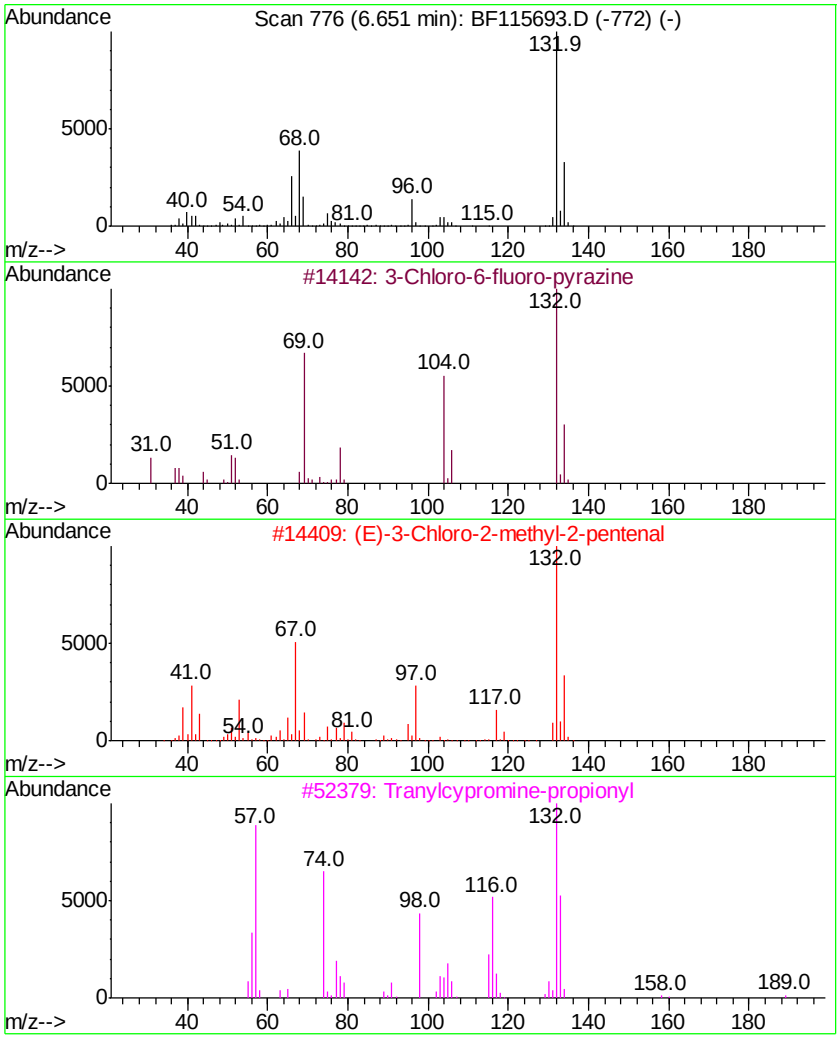
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

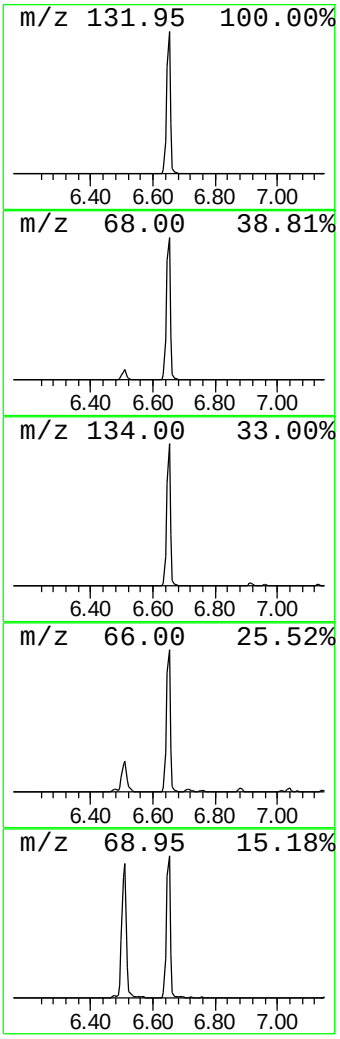
****

Peak Number 1 unknown6.65 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	29.44 ng	1820620	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Misc :
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Instrument : BNA_F
ClientSampleId : AOC-7(2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

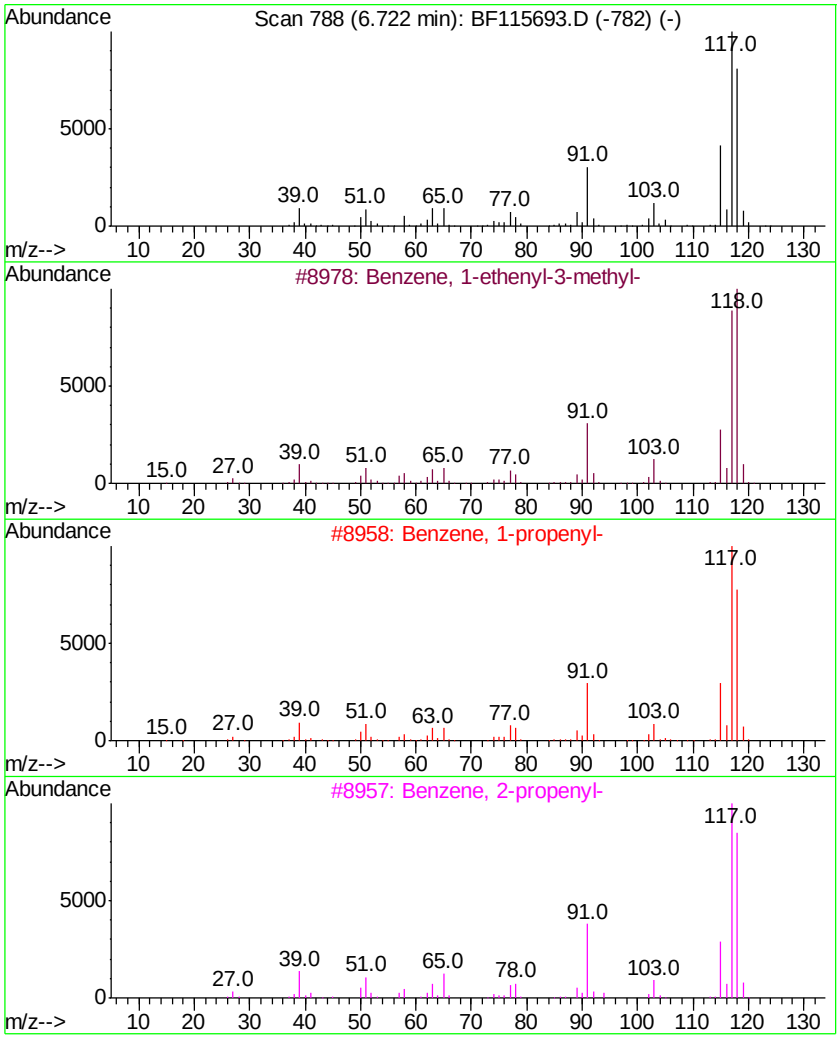
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

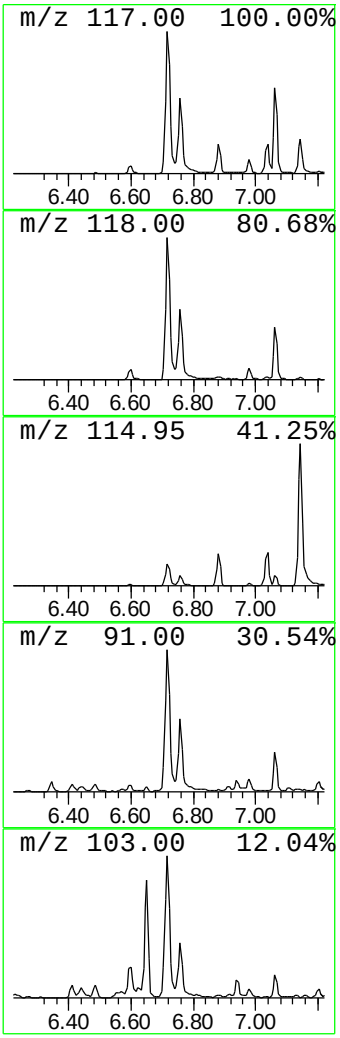
****

Peak Number 2 Benzene, 1-ethenyl-3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	20.81 ng	1286990	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : AOC-7(2)

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TIC Library : C:\DATABASE\NIST11.L
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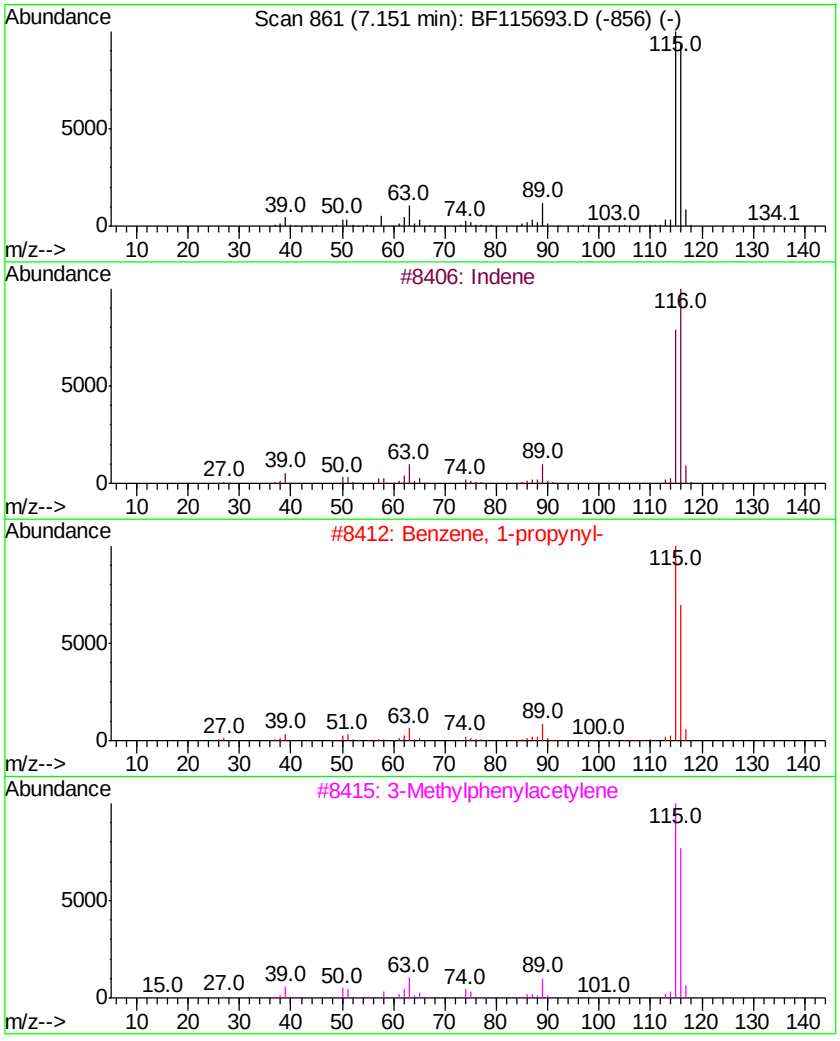
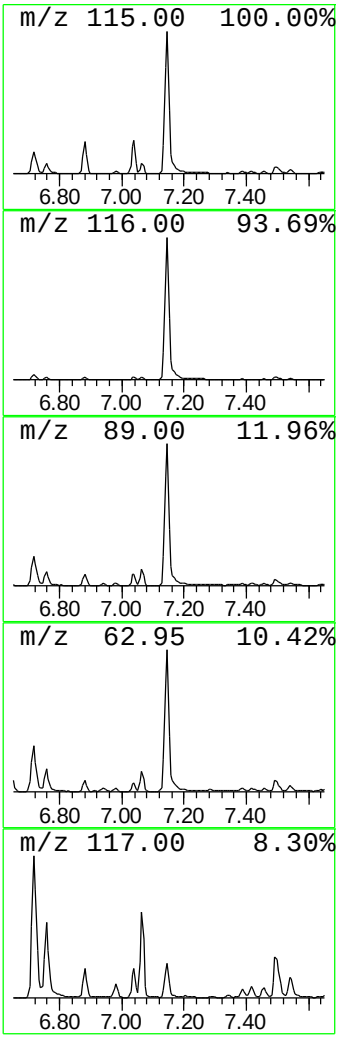
Peak Number 4 Indene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	31.41 ng	1942690	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	2-Methylphenylacetylene	116	C9H8	000766-47-2	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





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Misc :
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Instrument : BNA_F
ClientSampleId : AOC-7(2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

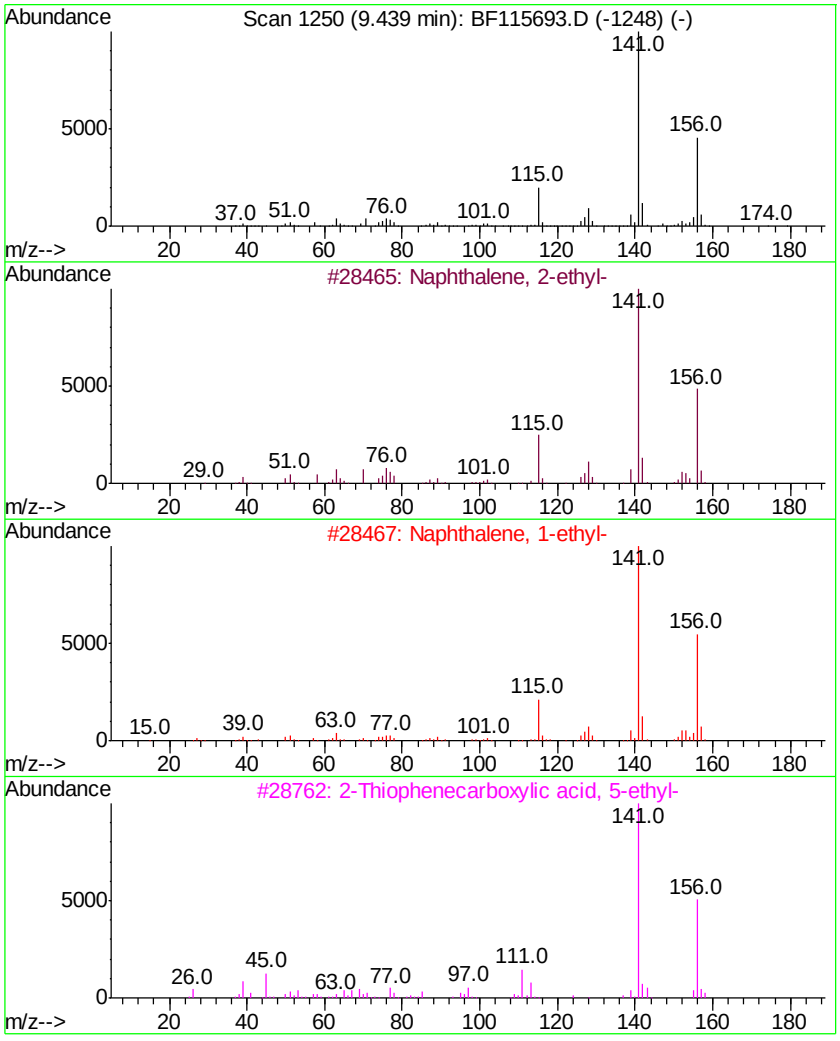
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

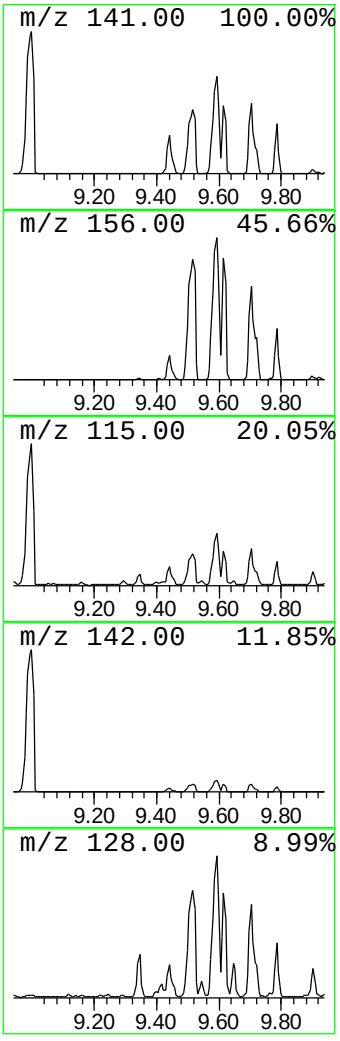
****

Peak Number 5 Naphthalene, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	25.50 ng	1648410	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	72
4	5-Acetyl-2-amino-4-methylthiazole	156	C6H8N2OS	030748-47-1	59
5	Benzaldehyde, 3-methoxy-4-(1-nap...	292	C19H16O3	1000338-37-2	47





Library Search Compound Report

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Acq On : 20 Jul 2019 1:03
Operator : HP/JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

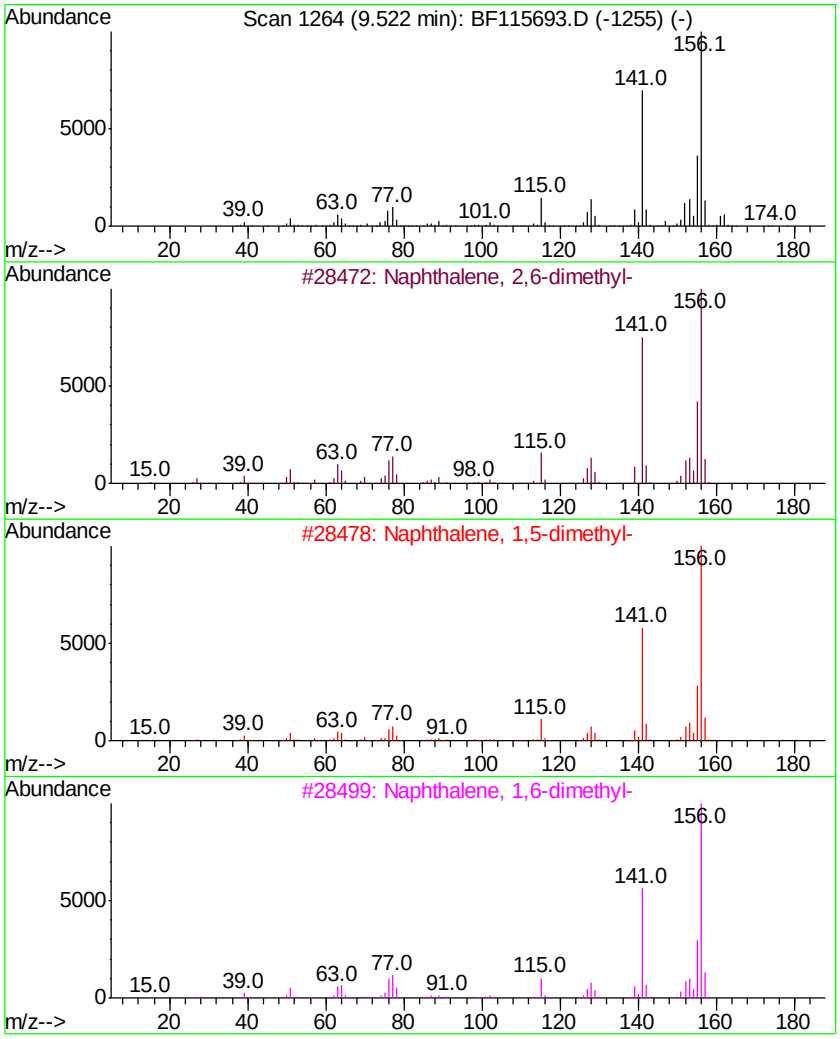
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

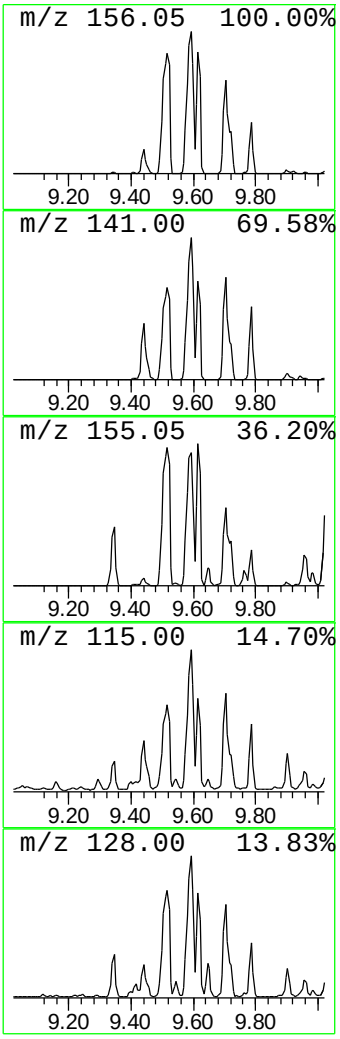
****

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	116.78 ng	7548150	Acenaphthene-d10	9.92

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





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Sample : K3887-03 2X
Misc :
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Instrument : BNA_F
ClientSampleId : AOC-7(2)

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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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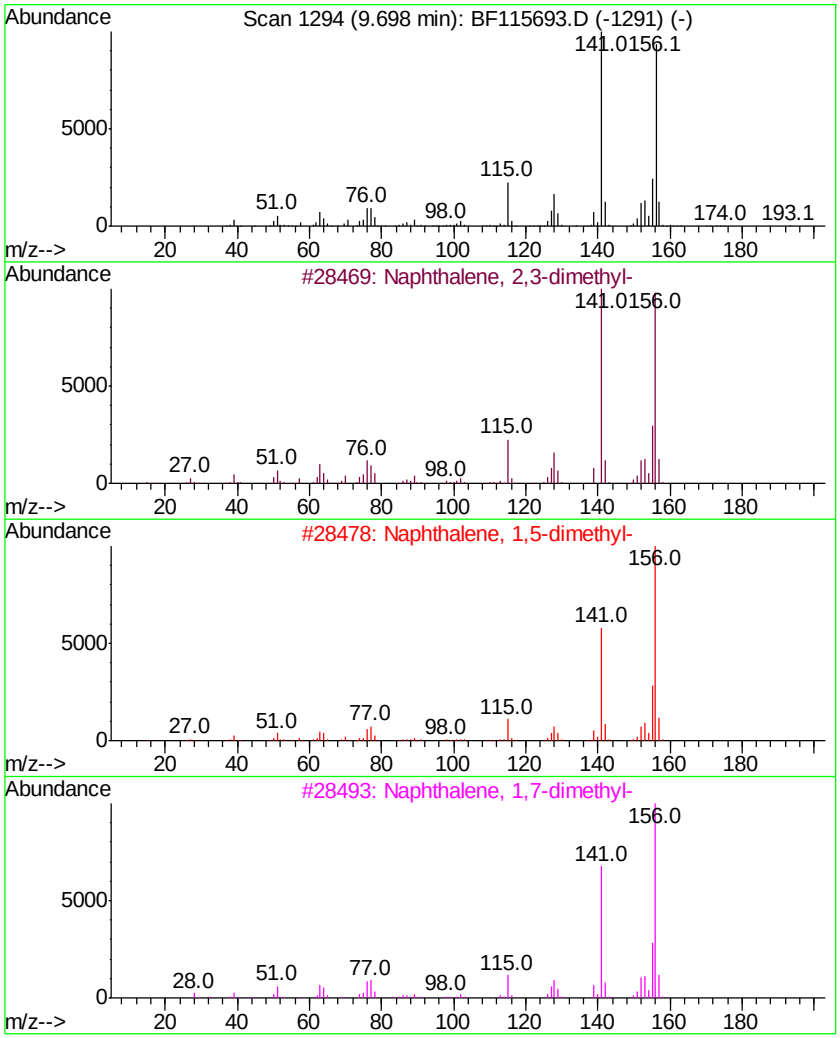
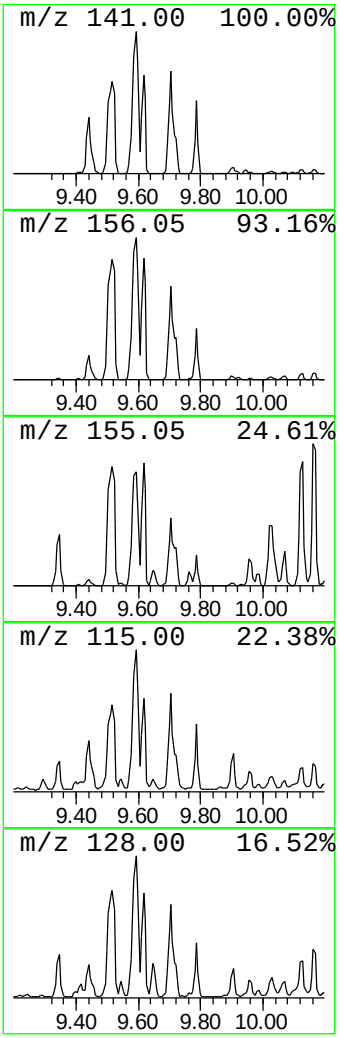
Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	76.64 ng	4953520	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96





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Sample : K3887-03 2X
Misc :
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Instrument : BNA_F
ClientSampleId : AOC-7(2)

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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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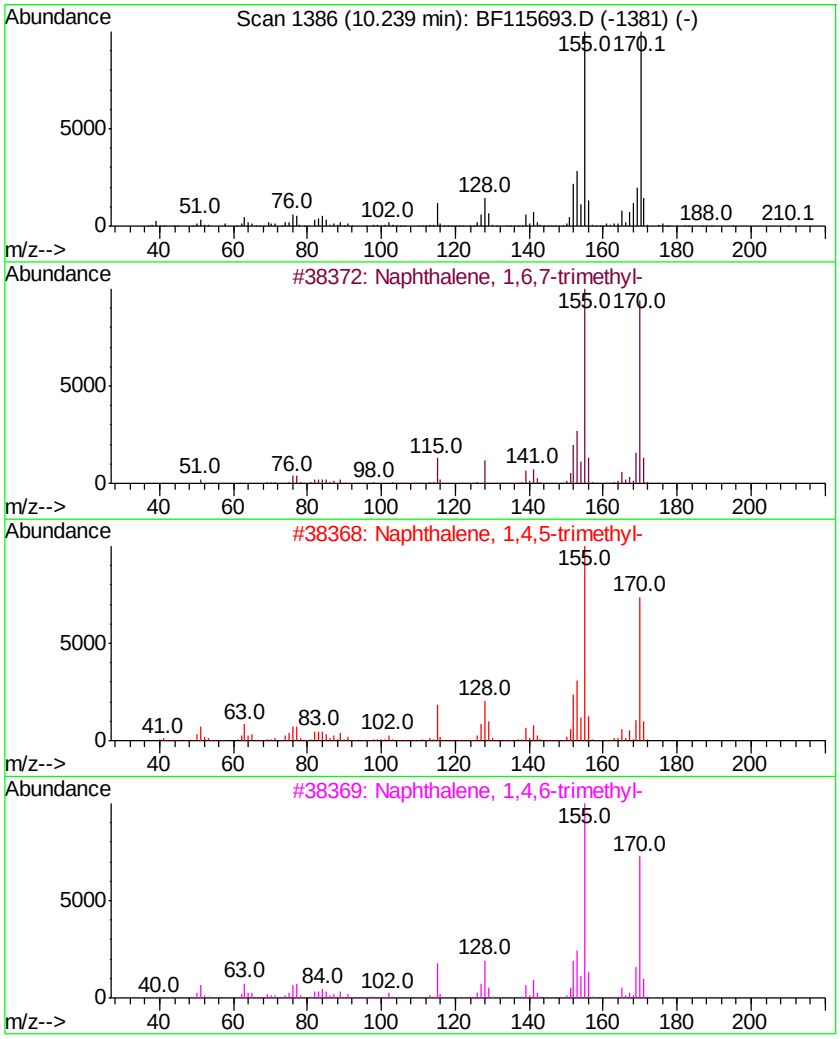
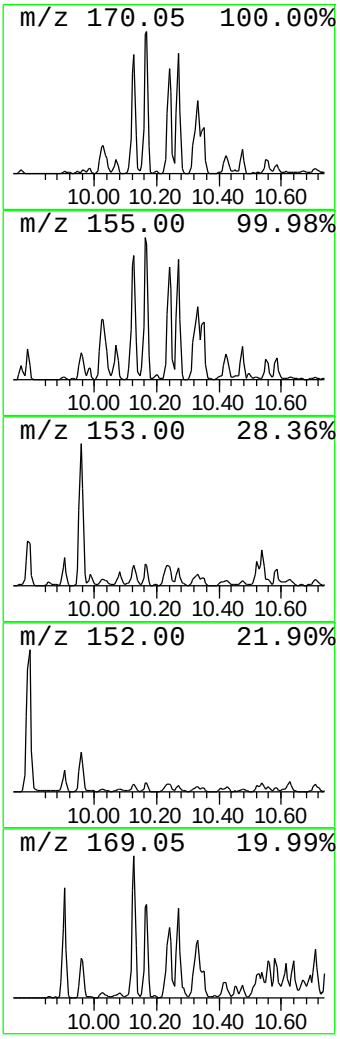
Peak Number 8 Naphthalene, 1,6,7-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	36.61 ng	2366010	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





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Misc :
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Instrument : BNA_F
ClientSampleId : AOC-7(2)

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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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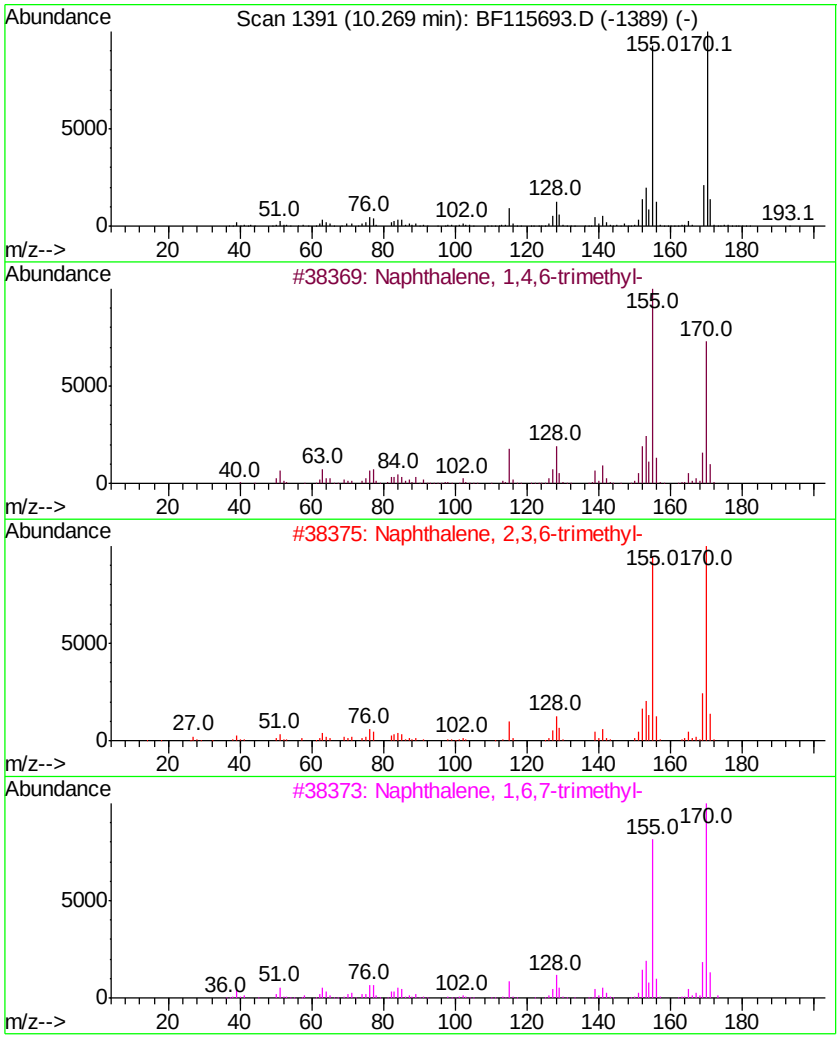
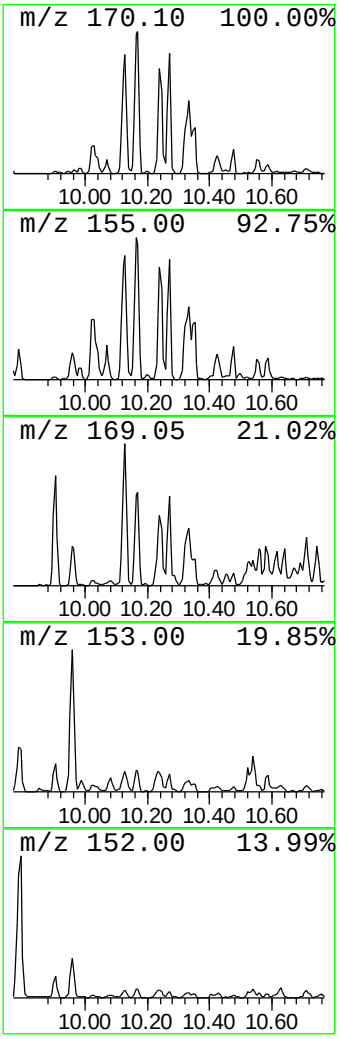
Peak Number 9 Naphthalene, 1,4,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	23.80 ng	1538230	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	81





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Sample : K3887-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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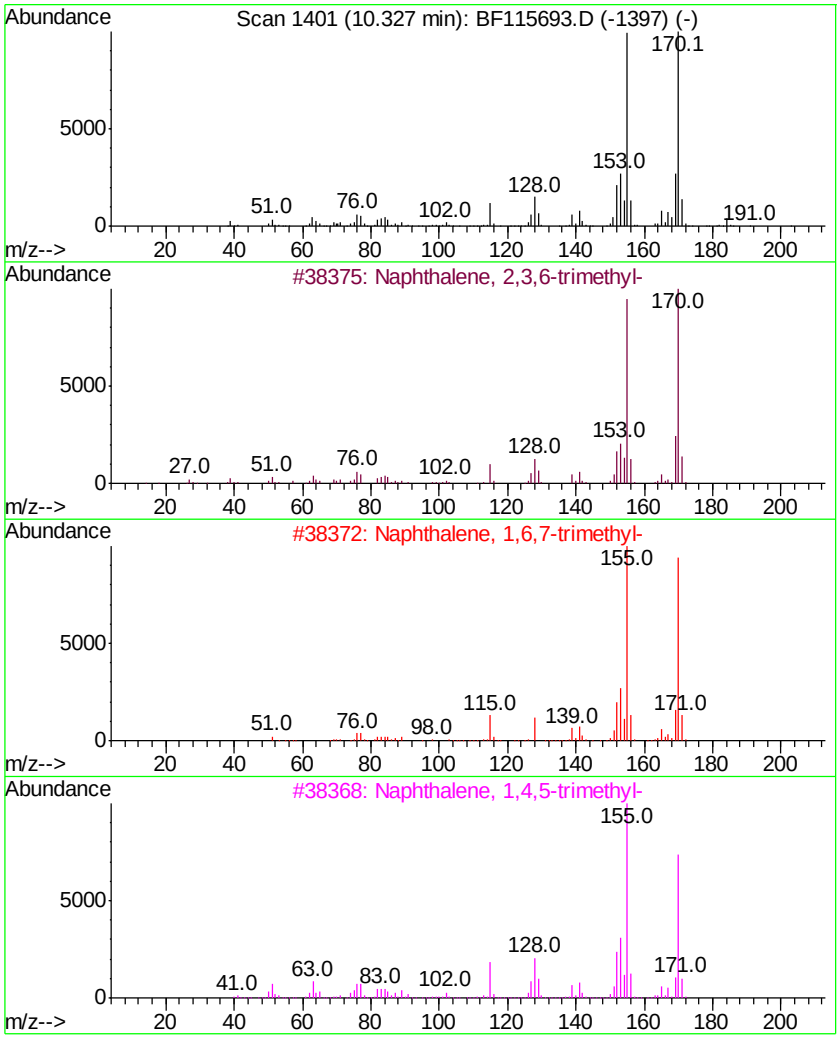
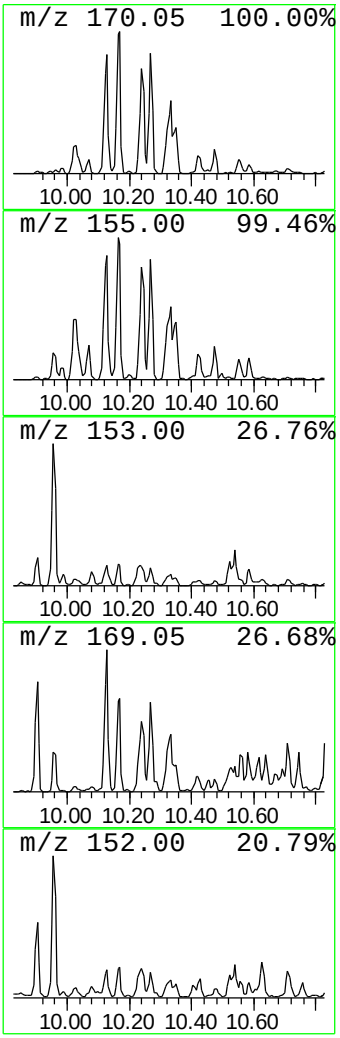
Peak Number 10 Naphthalene, 1,4,5-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	25.03 ng	1617500	Acenaphthene-d10	9.92

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, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	89





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Misc :
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Instrument : BNA_F
ClientSampleId : AOC-7(2)

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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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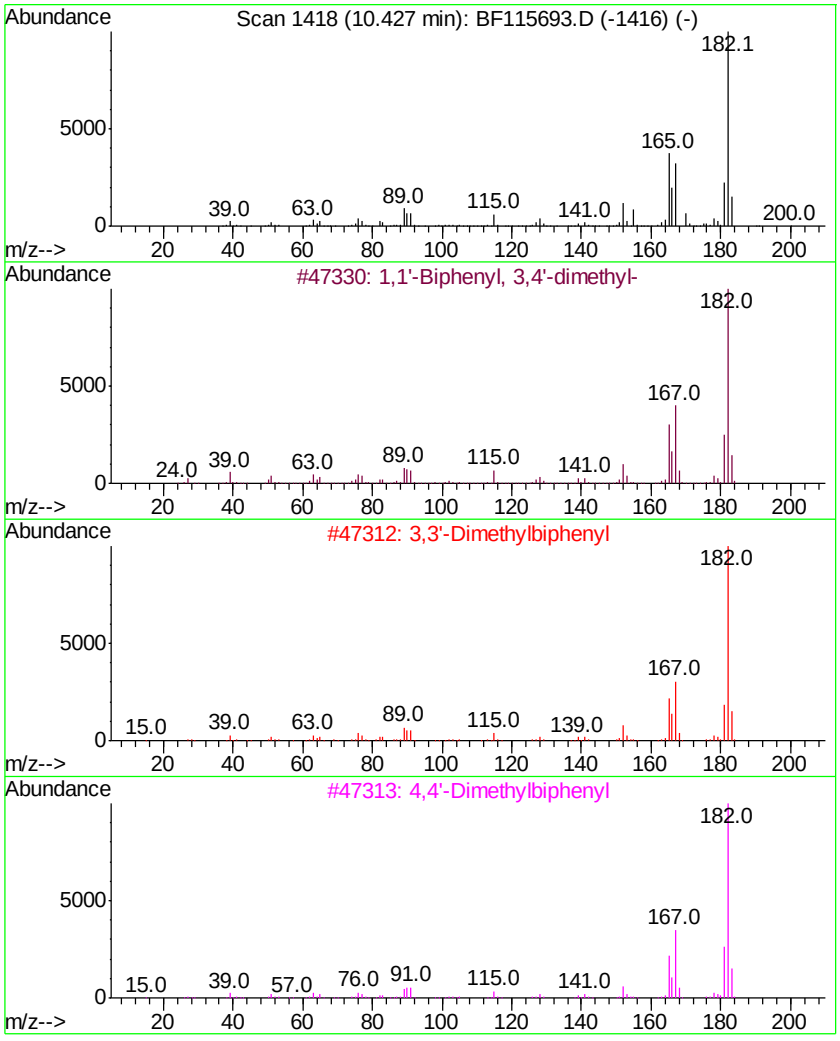
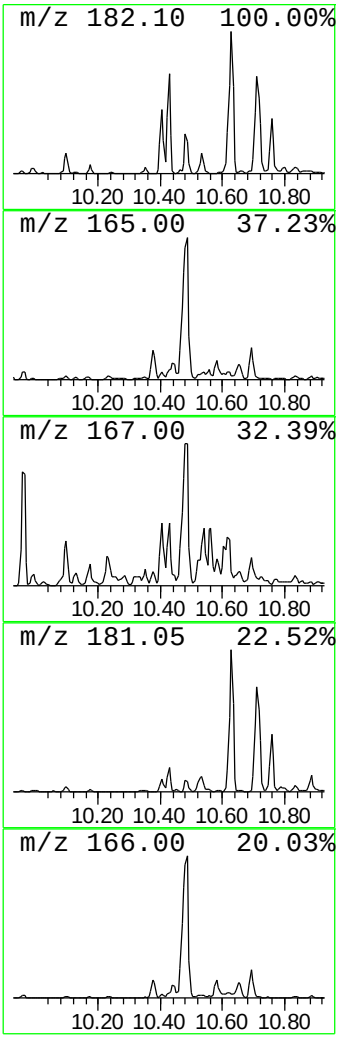
Peak Number 11 1,1'-Biphenyl, 3,4'-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	26.49 ng	1711870	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	94
2	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	93
3	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	87
4	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	81
5	2,4,6-Trimethoxytoluene	182	C10H14O3	014107-97-2	53





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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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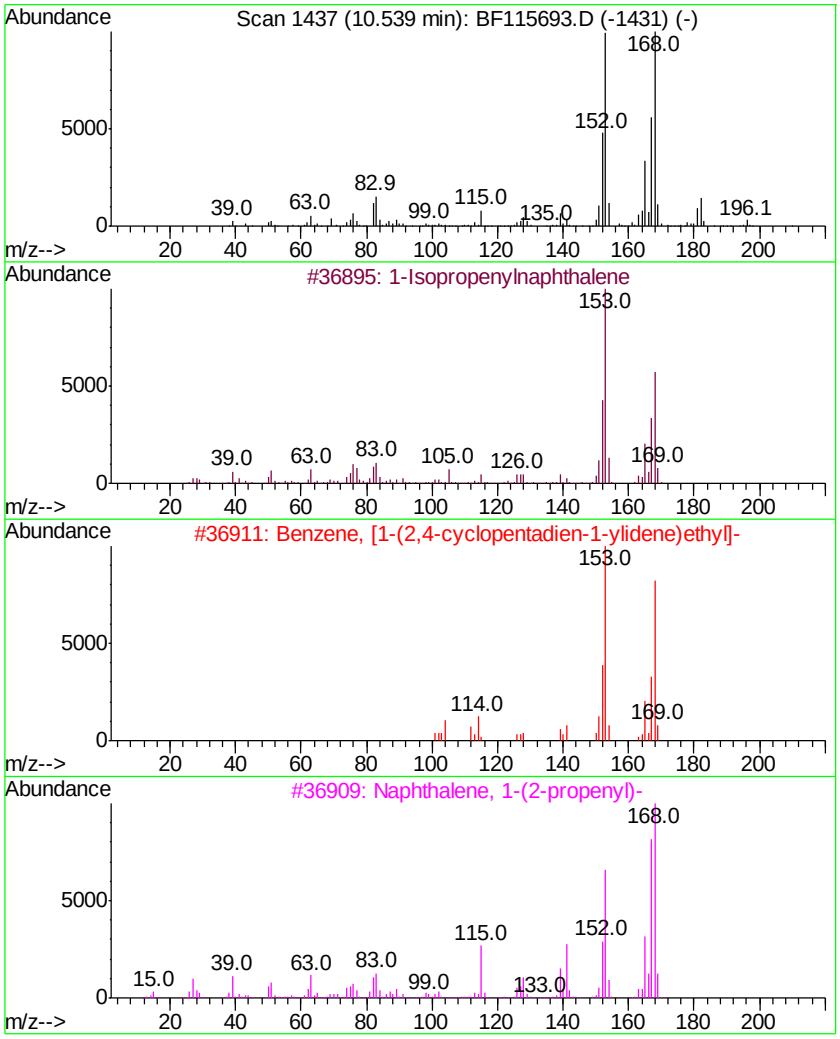
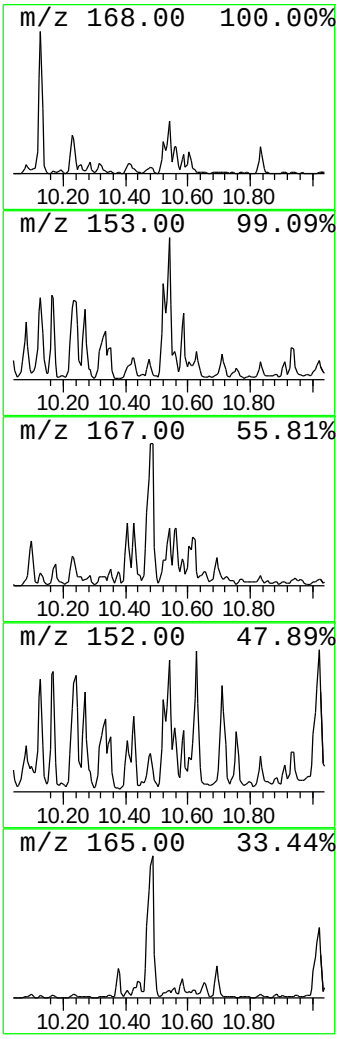
Peak Number 12 1-Isopropenylnaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	27.87 ng	1801100	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	81
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	47
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	47





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Misc :
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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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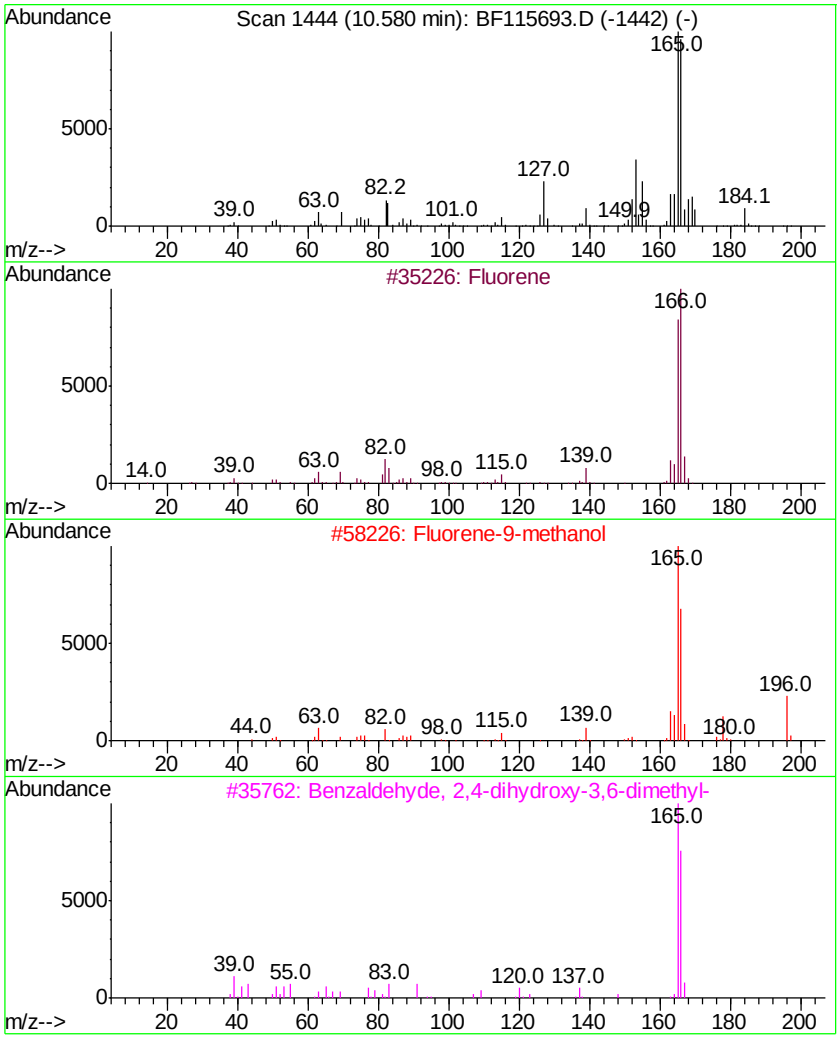
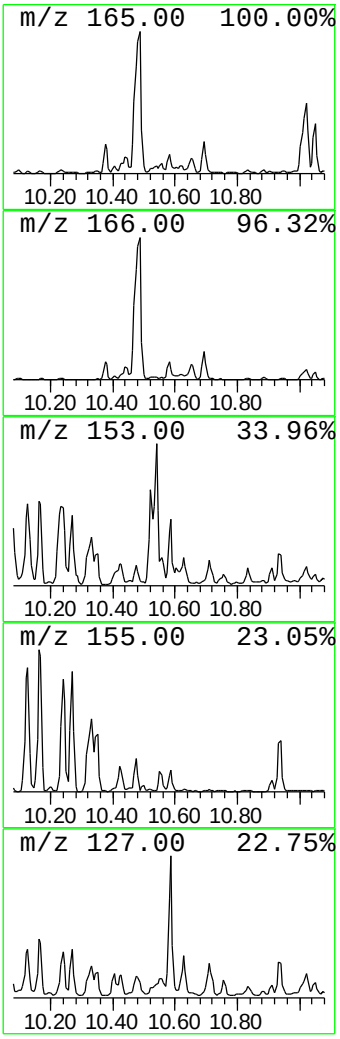
Peak Number 13 Fluorene-9-methanol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	21.40 ng	1382880	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene	166	C13H10	000086-73-7	64
2	Fluorene-9-methanol	196	C14H12O	024324-17-2	50
3	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	49
4	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	47
5	1H-Phenalene	166	C13H10	000203-80-5	43





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Sample : K3887-03 2X
Misc :
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Instrument : BNA_F
ClientSampleId : AOC-7(2)

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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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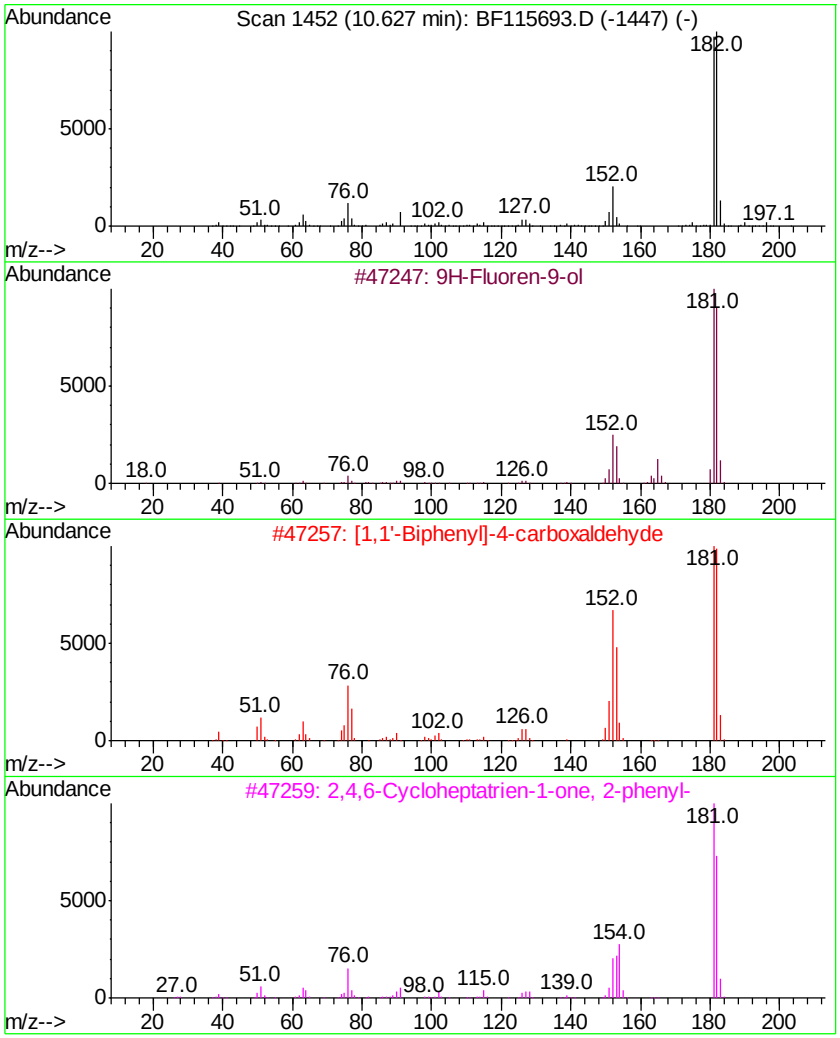
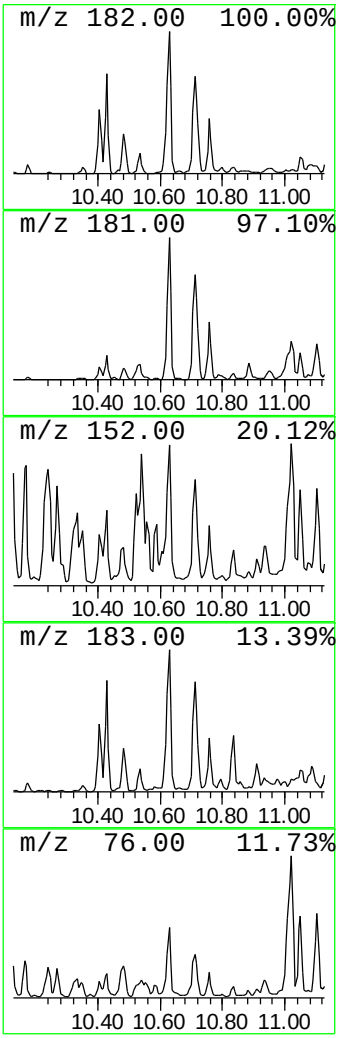
Peak Number 14 9H-Fluoren-9-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	40.00 ng	2585220	Acenaphthene-d10	9.92

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	83
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
5	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	64





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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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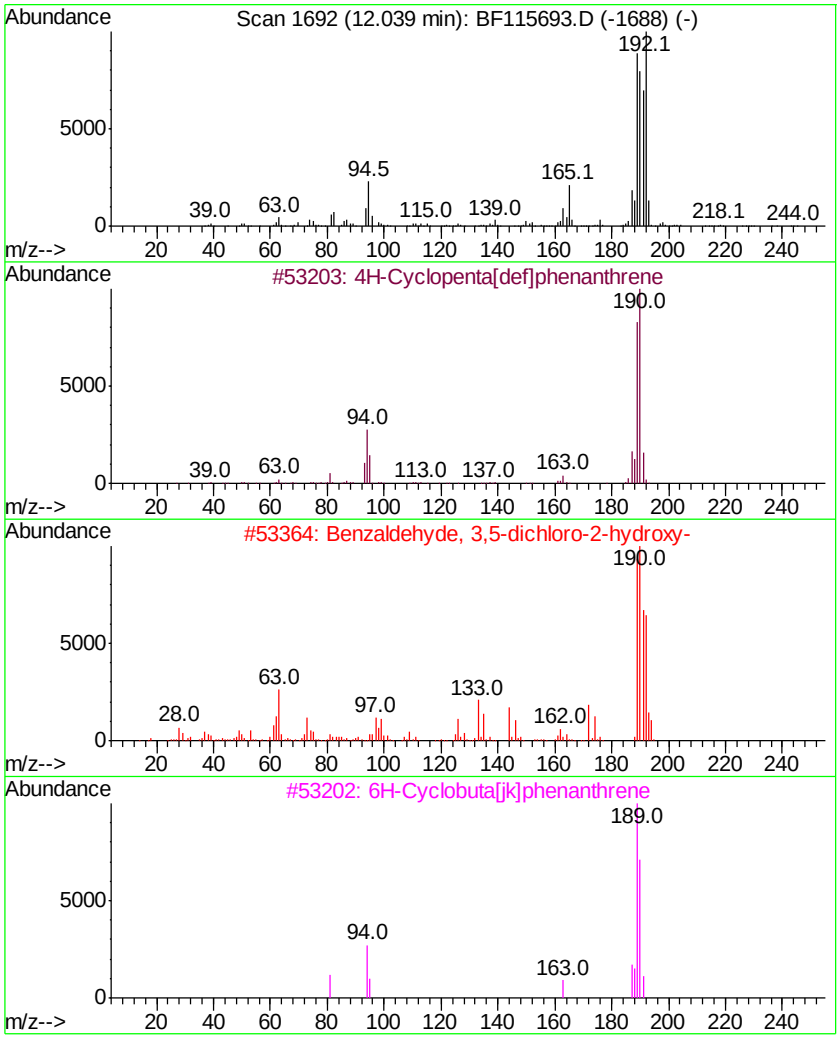
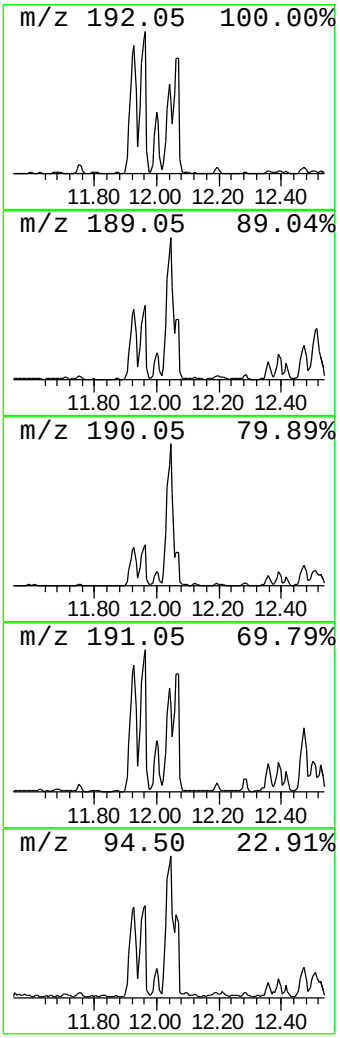
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	10.90 ng	9832280	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46





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

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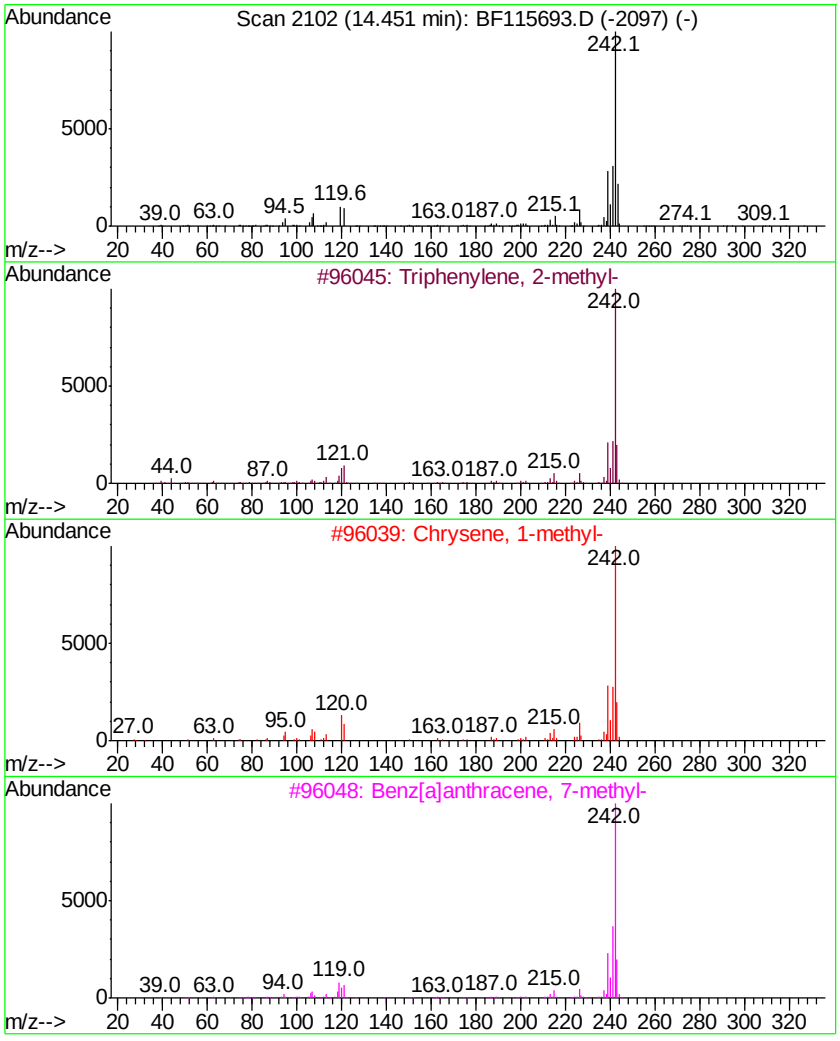
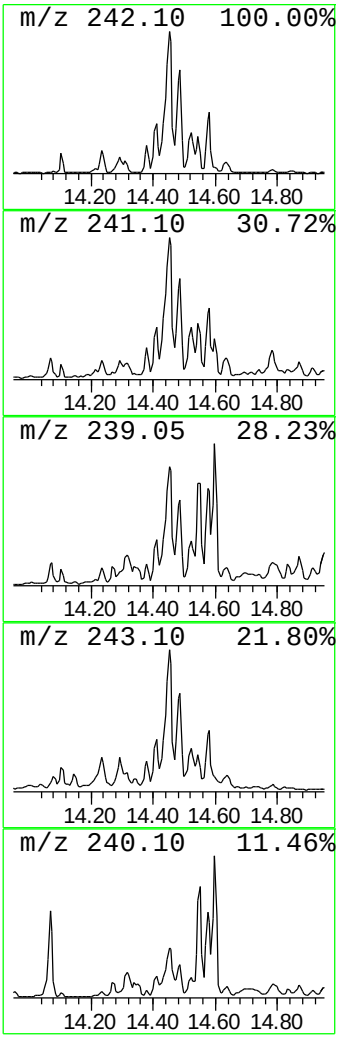
Peak Number 16 Triphenylene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	11.71 ng	5615810	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	93
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	89





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ClientSampleId : AOC-7(2)

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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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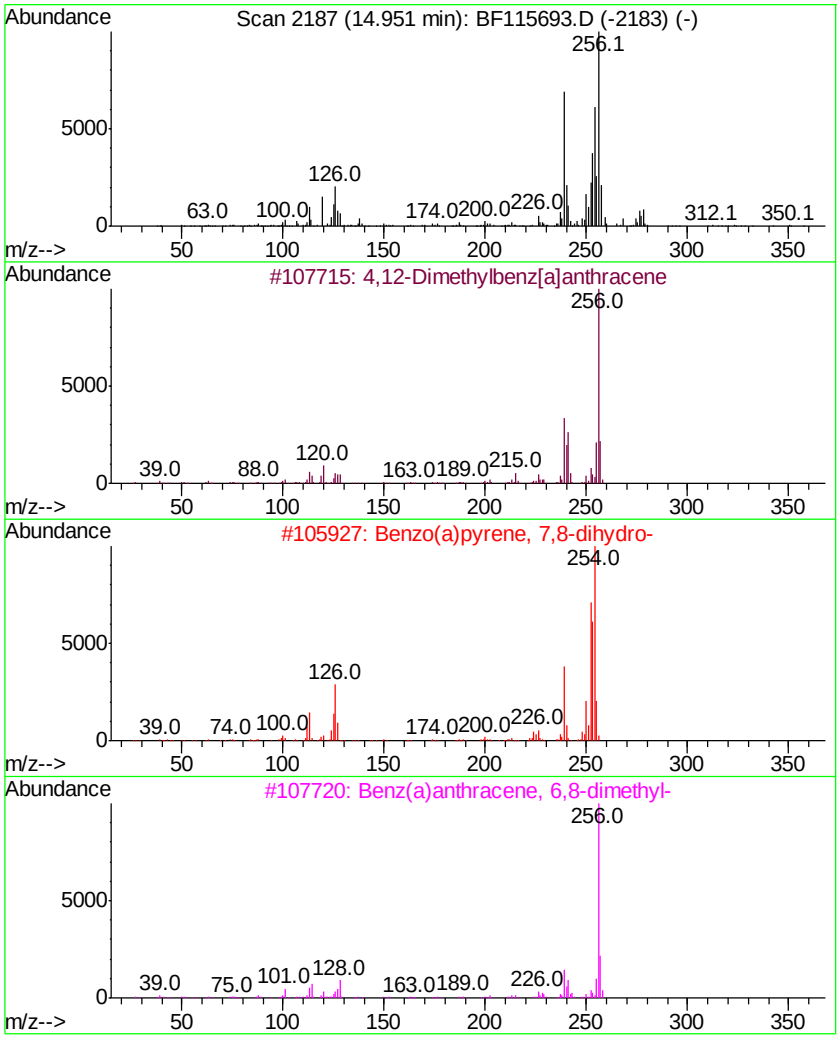
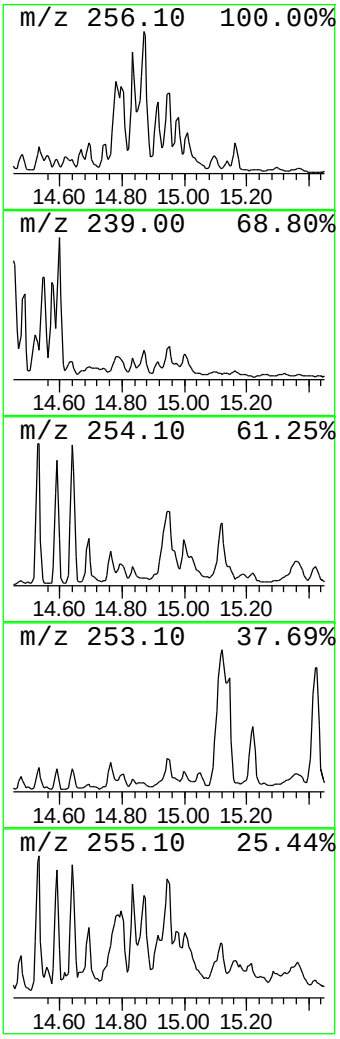
Peak Number 17 4,12-Dimethylbenz[a]anthracene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	14.43 ng	1258060	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	53
2	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	51
3	Benz(a)anthracene, 6,8-dimethyl-	256	C20H16	000317-64-6	50
4	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	47
5	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115693.D
Acq On : 20 Jul 2019 1:03
Operator : HP/JU
Sample : K3887-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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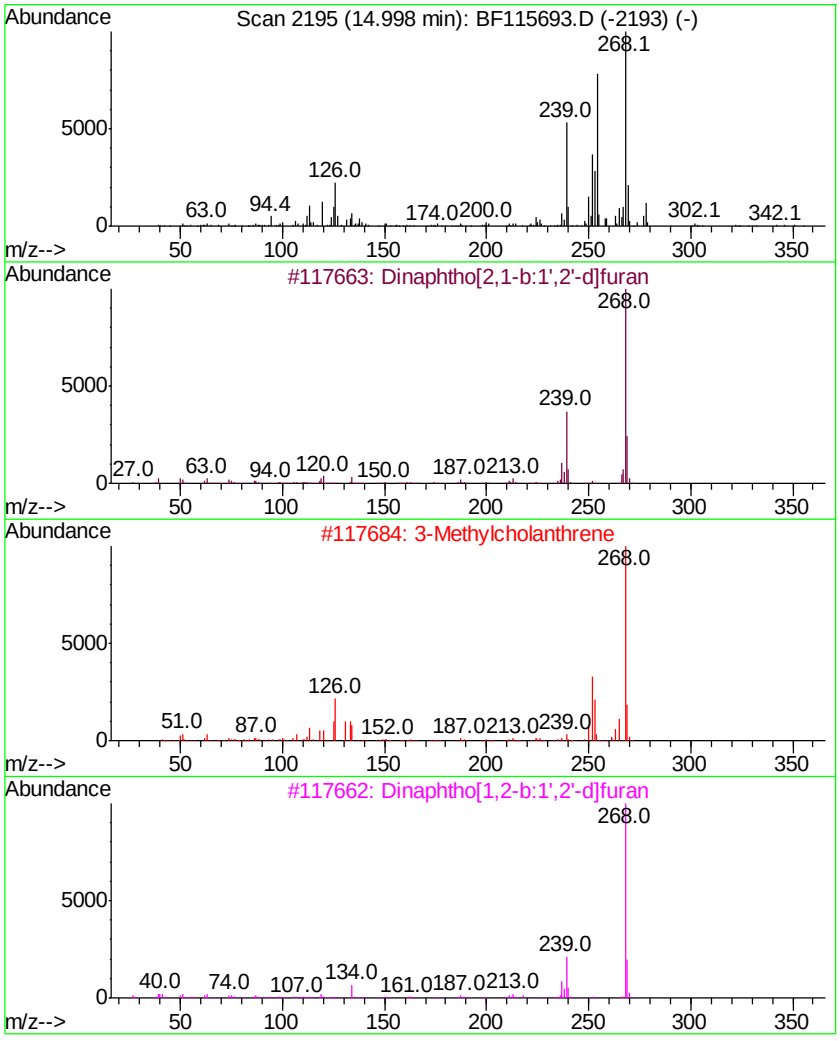
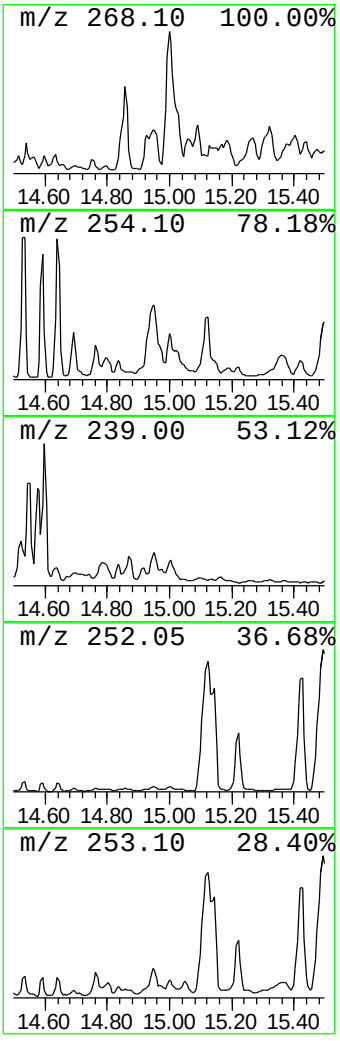
Peak Number 18 Dinaphtho[2,1-b:1',2'-d]furan Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	16.28 ng	1419540	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	74
2	3-Methylcholanthrene	268	C21H16	000056-49-5	43
3	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	38
4	(-)-2-Methylcholanthrene	268	C21H16	1000126-56-2	38
5	(+)-2-Methylcholanthrene	268	C21H16	1000126-56-1	38





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Data File : BF115693.D
Acq On : 20 Jul 2019 1:03
Operator : HP/JU
Sample : K3887-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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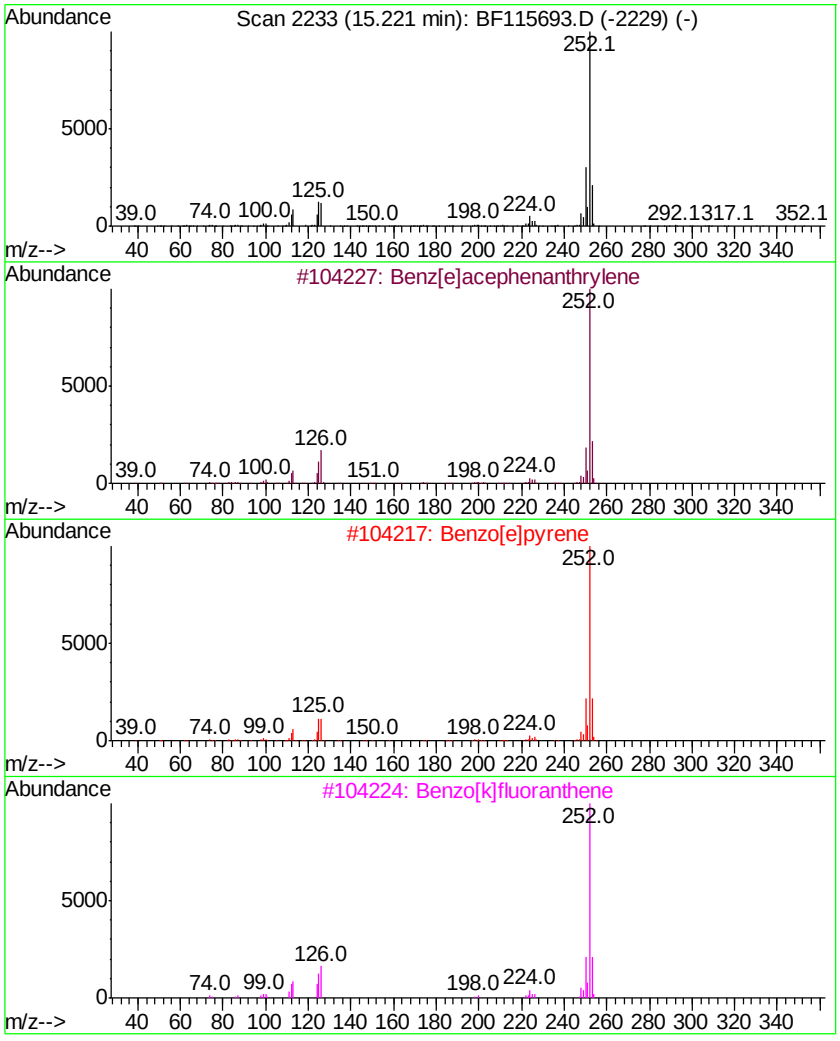
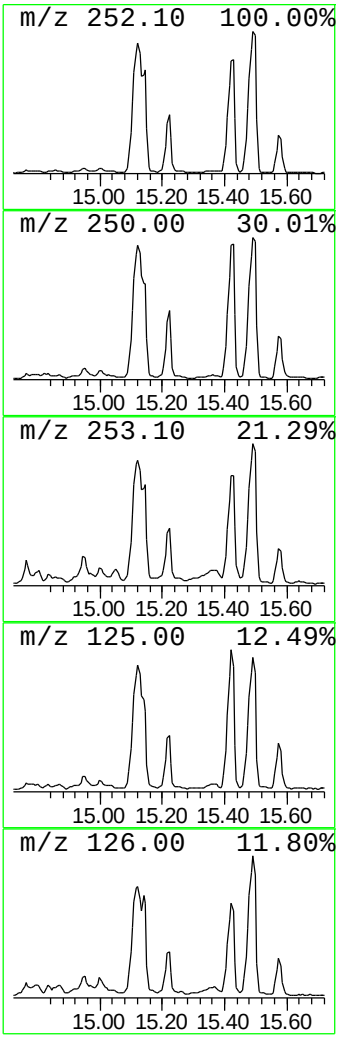
Peak Number 19 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	15.48 ng	1349180	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115693.D
Acq On : 20 Jul 2019 1:03
Operator : HP/JU
Sample : K3887-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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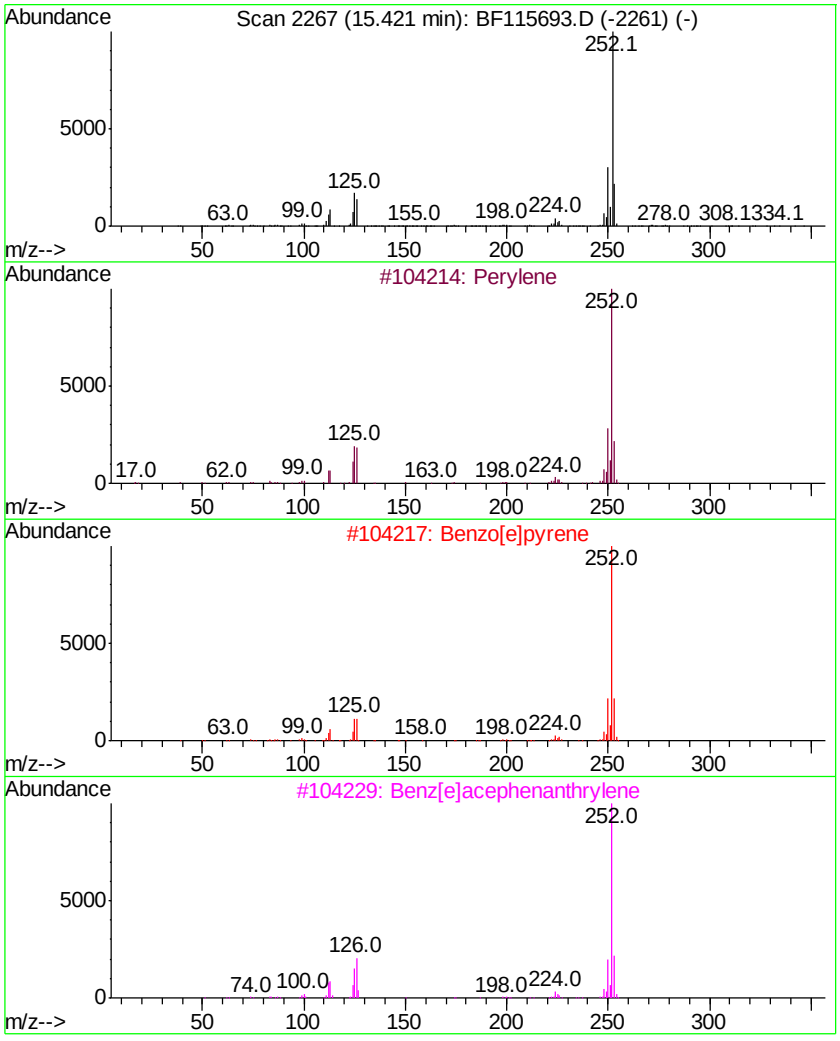
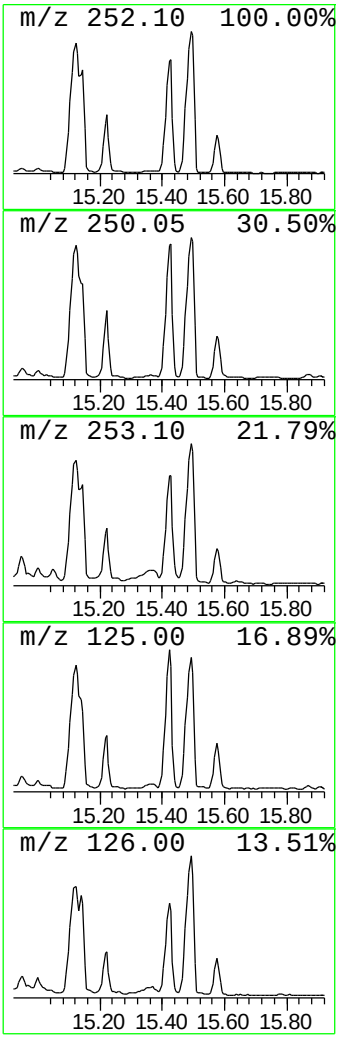
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	42.79 ng	3730530	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071919\
Data File : BF115693.D
Acq On : 20 Jul 2019 1:03
Operator : HP/JU
Sample : K3887-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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
unknown6.65	6.65	29.4	ng	1820620	1	6.88	1236810	20.0
Benzene, 1-etheny...	6.72	20.8	ng	1286990	1	6.88	1236810	20.0
Indene	7.15	31.4	ng	1942690	1	6.88	1236810	20.0
Naphthalene, 2-et...	9.44	25.5	ng	1648410	3	9.92	1292690	20.0
Naphthalene, 2,6-...	9.52	116.8	ng	7548150	3	9.92	1292690	20.0
Naphthalene, 2,3-...	9.70	76.6	ng	4953520	3	9.92	1292690	20.0
Naphthalene, 1,6,...	10.24	36.6	ng	2366010	3	9.92	1292690	20.0
Naphthalene, 1,4,...	10.27	23.8	ng	1538230	3	9.92	1292690	20.0
Naphthalene, 1,4,...	10.33	25.0	ng	1617500	3	9.92	1292690	20.0
1,1'-Biphenyl, 3,...	10.43	26.5	ng	1711870	3	9.92	1292690	20.0
1-Isopropenylnaph...	10.54	27.9	ng	1801100	3	9.92	1292690	20.0
Fluorene-9-methanol	10.58	21.4	ng	1382880	3	9.92	1292690	20.0
9H-Fluoren-9-ol	10.63	40.0	ng	2585220	3	9.92	1292690	20.0
4H-Cyclopenta[def...	12.04	10.9	ng	9832280	4	11.42	18033900	20.0
Triphenylene, 2-m...	14.45	11.7	ng	5615810	5	14.07	9587570	20.0
4,12-Dimethylbenz...	14.95	14.4	ng	1258060	6	15.54	1743610	20.0
Dinaphtho[2,1-b:1...	15.00	16.3	ng	1419540	6	15.54	1743610	20.0
Benzo[e]pyrene	15.22	15.5	ng	1349180	6	15.54	1743610	20.0
Perylene	15.42	42.8	ng	3730530	6	15.54	1743610	20.0