LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115694.D
Acq On : 20 Jul 2019 1:31
Operator : HP/JU
Sample : K3887-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(1)

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	572	580	588	rBV	1277225	1225925	14.60%	0.791%
2	5.722	614	618	630	rBV	931391	984130	11.72%	0.635%
3	6.504	747	751	758	rVB	1120924	970944	11.57%	0.627%
4	6.651	772	776	779	rBV	1134019	1033871	12.32%	0.667%
5	6.716	783	787	791	rBV	1153125	1172456	13.97%	0.757%
6	6.757	791	794	811	rVB	581021	588411	7.01%	0.380%
7	6.881	811	815	819	rBV	1185958	921128	10.97%	0.595%
8	7.040	838	842	845	rBV	873086	754885	8.99%	0.487%
9	7.145	856	860	868	rBV	865669	939376	11.19%	0.606%
10	7.434	904	909	912	rVV	651275	671021	7.99%	0.433%
11	7.739	958	961	965	rVB	891097	813696	9.69%	0.525%
12	7.963	997	999	1007	rVB	558972	587942	7.00%	0.380%
13	8.163	1029	1033	1035	rBV	1341950	1251714	14.91%	0.808%
14	8.186	1035	1037	1040	rVV	1761551	1289568	15.36%	0.832%
15	8.381	1065	1070	1073	rBV	1118915	960796	11.45%	0.620%
16	8.439	1076	1080	1083	rBV	1095575	895307	10.67%	0.578%
17	8.881	1150	1155	1158	rVB2	2023901	1992192	23.73%	1.286%
18	8.981	1167	1172	1175	rVB	1425341	1307803	15.58%	0.844%
19	9.239	1213	1216	1221	rVB	1173348	1039111	12.38%	0.671%
20	9.510	1254	1262	1264	rBV2	808550	1107768	13.20%	0.715%
21	9.581	1270	1274	1276	rBV	1370317	1290932	15.38%	0.833%
22	9.645	1281	1285	1288	rVB	2154882	1862754	22.19%	1.202%
23	9.698	1288	1294	1296	rBV	685144	602999	7.18%	0.389%
24	9.786	1305	1309	1312	rBV	3003264	2623586	31.26%	1.694%
25	9.898	1324	1328	1330	rVV2	585180	593966	7.08%	0.383%
26	9.922	1330	1332	1335	rVV	1673021	1322264	15.75%	0.854%
27	9.951	1335	1337	1340	rVB2	969756	852687	10.16%	0.550%
28	10.122	1362	1366	1370	rVB	698749	704071	8.39%	0.454%
29	10.163	1370	1373	1376	rVB	796543	615345	7.33%	0.397%
30	10.228	1381	1384	1389	rBV2	1141626	1629741	19.42%	1.052%
31	10.375	1406	1409	1411	rBV	794880	578855	6.90%	0.374%
32	10.469	1422	1425	1431	rVB2	1679558	1901723	22.66%	1.228%
33	10.533	1431	1436	1438	rBV2	447215	661375	7.88%	0.427%
34	10.580	1441	1444	1448	rVV2	843536	980260	11.68%	0.633%

LSC Area Percent Report

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Acq On : 20 Jul 2019 1:31
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Sample : K3887-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(1)

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

35	10.622	1448	1451	1454	rVV2	479827	709464	8.45%	0.458%
36	10.651	1454	1456	1460	rVB	624300	538091	6.41%	0.347%
37	10.704	1460	1465	1470	rBV2	1008572	1297752	15.46%	0.838%
38	10.833	1483	1487	1492	rBV2	899137	916045	10.91%	0.591%
39	10.933	1502	1504	1509	rVV	860430	911021	10.85%	0.588%
40	11.016	1514	1518	1521	rVV2	1028697	1406016	16.75%	0.908%
41	11.045	1521	1523	1526	rVV	756792	693398	8.26%	0.448%
42	11.098	1530	1532	1535	rVV	656308	662497	7.89%	0.428%
43	11.145	1535	1540	1542	rVV3	362902	603227	7.19%	0.389%
44	11.169	1542	1544	1548	rVV2	611370	743743	8.86%	0.480%
45	11.216	1548	1552	1556	rVV2	894757	1124377	13.39%	0.726%
46	11.304	1564	1567	1572	rVB	996522	920829	10.97%	0.594%
47	11.410	1581	1585	1587	rBV	1120147	1307560	15.58%	0.844%
48	11.445	1587	1591	1595	rVV	5397413	6336481	75.49%	4.090%
49	11.486	1595	1598	1601	rVV	2917329	2518269	30.00%	1.626%
50	11.522	1601	1604	1607	rVV3	514097	703686	8.38%	0.454%
51	11.704	1632	1635	1638	rVV	1086964	921594	10.98%	0.595%
52	11.739	1638	1641	1644	rVB	1247393	1081422	12.88%	0.698%
53	11.822	1649	1655	1659	rVB2	710096	1000229	11.92%	0.646%
54	11.916	1667	1671	1673	rBV	3301862	3209460	38.24%	2.072%
55	11.945	1673	1676	1679	rVB	3788325	3375950	40.22%	2.179%
56	11.992	1680	1684	1686	rBV	1016144	945725	11.27%	0.610%
57	12.027	1686	1690	1693	rBV2	4073958	5052191	60.19%	3.261%
58	12.051	1693	1694	1697	rVB	2848808	1702688	20.28%	1.099%
59	12.204	1712	1720	1723	rBV	1975753	2249721	26.80%	1.452%
60	12.233	1723	1725	1731	rVB3	1155269	1329554	15.84%	0.858%
61	12.310	1731	1738	1740	rBV3	293878	650105	7.74%	0.420%
62	12.386	1748	1751	1753	rVV	911896	781108	9.31%	0.504%
63	12.410	1753	1755	1758	rVB2	781353	694672	8.28%	0.448%
64	12.469	1758	1765	1767	rBV2	2372400	3055140	36.40%	1.972%
65	12.504	1767	1771	1773	rVV2	1488789	2047717	24.39%	1.322%
66	12.557	1776	1780	1784	rBV2	1468438	1902551	22.67%	1.228%
67	12.633	1788	1793	1796	rBV	4564760	5446606	64.89%	3.516%
68	12.721	1805	1808	1811	rVB	1125559	986787	11.76%	0.637%
69	12.874	1827	1834	1837	rBV	5754441	8394031	100.00%	5.418%
70	12.910	1837	1840	1844	rVB2	504974	590781	7.04%	0.381%
71	13.074	1864	1868	1875	rBV3	1501385	2247571	26.78%	1.451%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3887-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(1)

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

72	13.163	1879	1883	1885	rBV2	1294357	1681092	20.03%	1.085%
73	13.186	1885	1887	1890	rVB	2283363	1919266	22.86%	1.239%
74	13.251	1895	1898	1902	rVB	1283969	1127993	13.44%	0.728%
75	13.292	1902	1905	1912	rVB	2287396	2363361	28.16%	1.526%
76	13.386	1917	1921	1923	rBV	1666353	1532959	18.26%	0.990%
77	13.416	1923	1926	1929	rVB	2014221	1705678	20.32%	1.101%
78	13.692	1970	1973	1977	rVV	1068485	1291368	15.38%	0.834%
79	13.804	1986	1992	1994	rBV2	1122048	1530242	18.23%	0.988%
80	13.833	1994	1997	1999	rVV	1279438	1157466	13.79%	0.747%
81	13.857	1999	2001	2004	rVV	785719	653834	7.79%	0.422%
82	13.898	2004	2008	2012	rVB2	745061	969515	11.55%	0.626%
83	14.051	2029	2034	2037	rBV2	3811763	5686135	67.74%	3.670%
84	14.092	2037	2041	2044	rVV	4161812	4748343	56.57%	3.065%
85	14.198	2057	2059	2069	rVB3	919469	1626972	19.38%	1.050%
86	14.404	2091	2094	2096	rVV	587457	537579	6.40%	0.347%
87	14.445	2096	2101	2104	rVV	1960058	2437614	29.04%	1.573%
88	14.474	2104	2106	2109	rVV	1278439	1210034	14.42%	0.781%
89	14.521	2110	2114	2115	rVV2	706272	960104	11.44%	0.620%
90	14.539	2115	2117	2119	rVV	836229	744128	8.86%	0.480%
91	14.568	2119	2122	2124	rVV	1127689	1220831	14.54%	0.788%
92	14.586	2124	2125	2128	rVV	969526	696277	8.29%	0.449%
93	14.633	2130	2133	2137	rVB	584021	566873	6.75%	0.366%
94	14.939	2177	2185	2189	rBV5	307043	734126	8.75%	0.474%
95	15.110	2207	2214	2217	rBV	1968499	3644429	43.42%	2.352%
96	15.210	2228	2231	2237	rVB	749225	955961	11.39%	0.617%
97	15.415	2260	2266	2271	rVB	1454509	1991948	23.73%	1.286%
98	15.480	2271	2277	2281	rBV	2086321	2774447	33.05%	1.791%
99	17.027	2533	2540	2547	rVB2	746991	1486810	17.71%	0.960%
100	17.480	2610	2617	2624	rVB	558784	1177944	14.03%	0.760%

Sum of corrected areas: 154919990

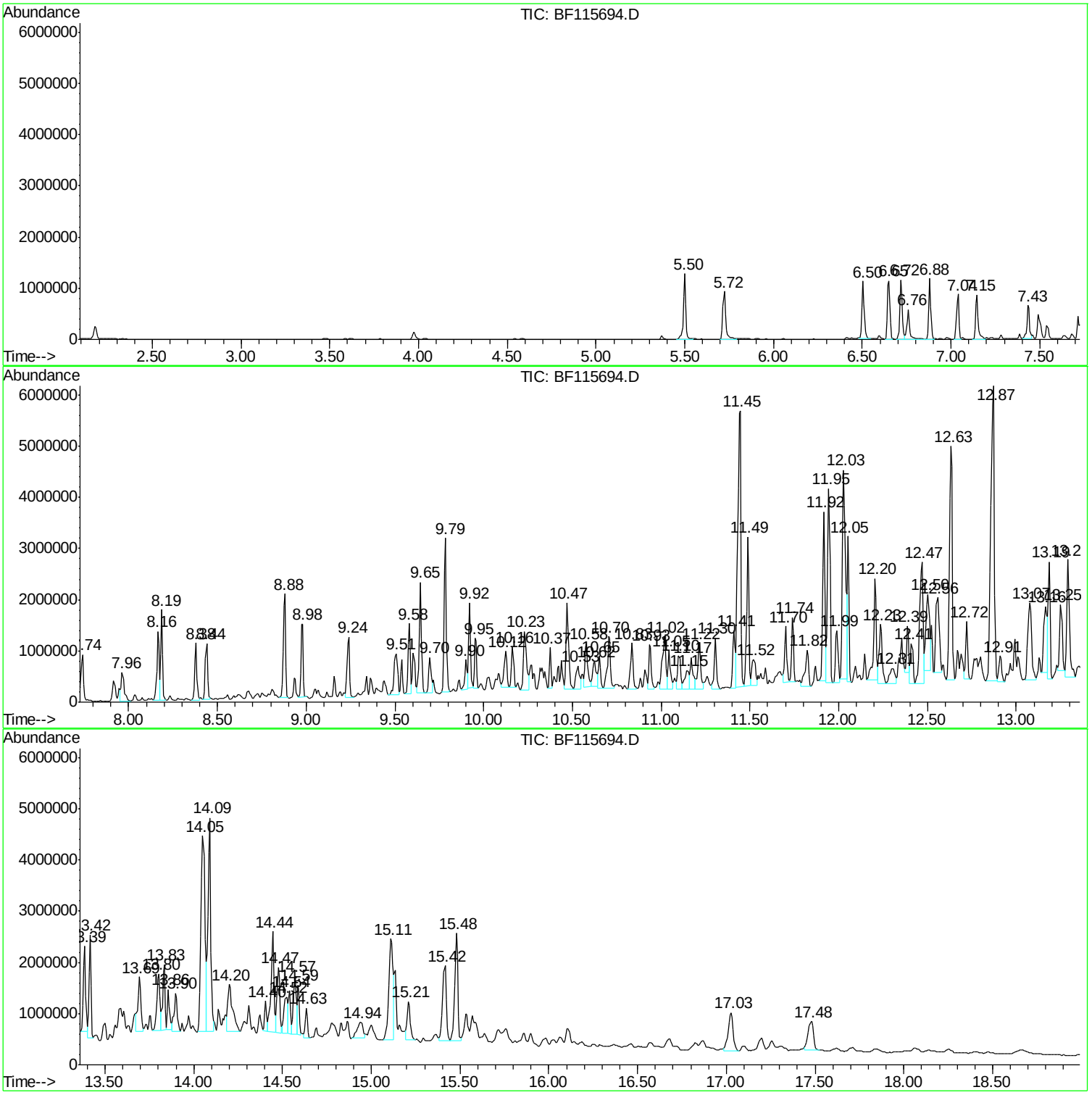
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115694.D
Acq On : 20 Jul 2019 1:31
Operator : HP/JU
Sample : K3887-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(1)

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115694.D
Acq On : 20 Jul 2019 1:31
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Misc :
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Instrument : BNA_F
ClientSampleId : AOC-7(1)

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

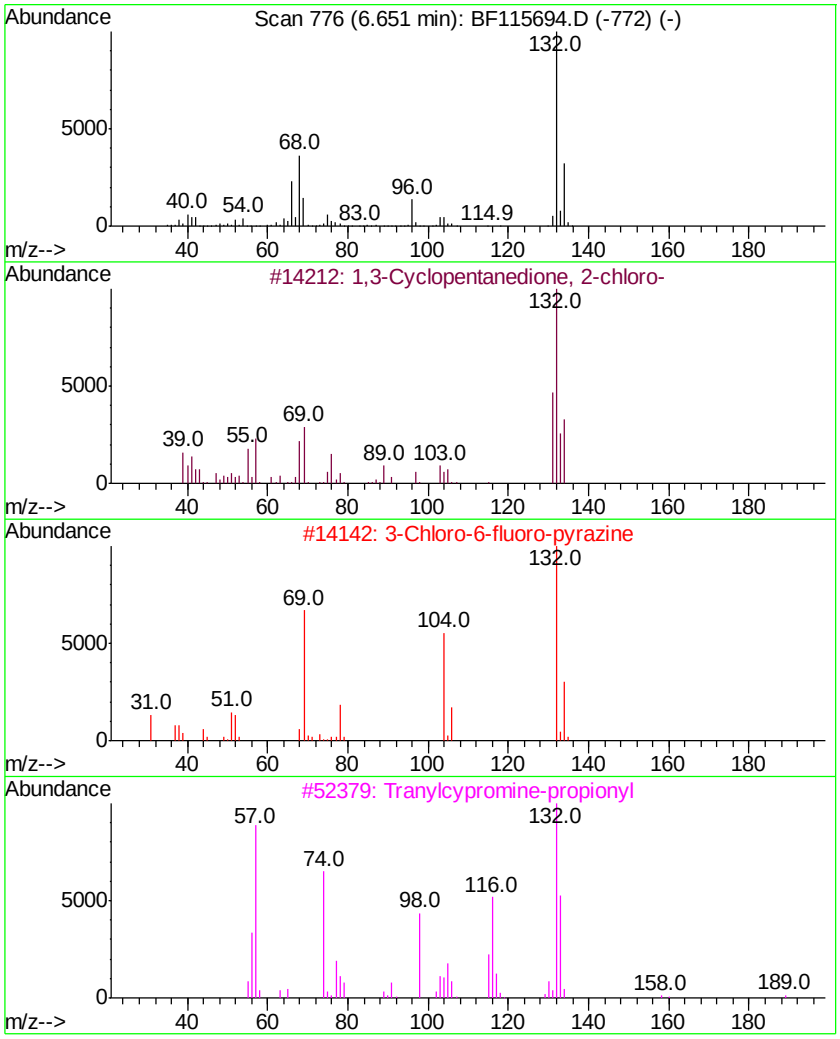
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

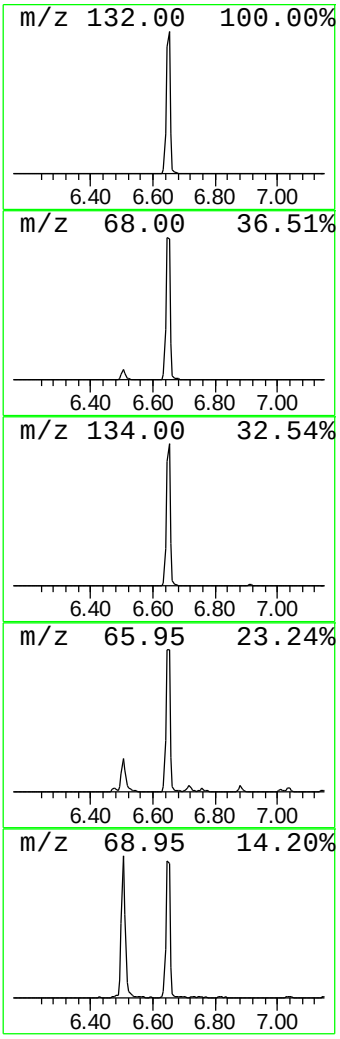
****

Peak Number 2 unknown6.65 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	22.45 ng	1033870	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	37
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
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Sample : K3887-01 2X
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Instrument : BNA_F
ClientSampleId : AOC-7(1)

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

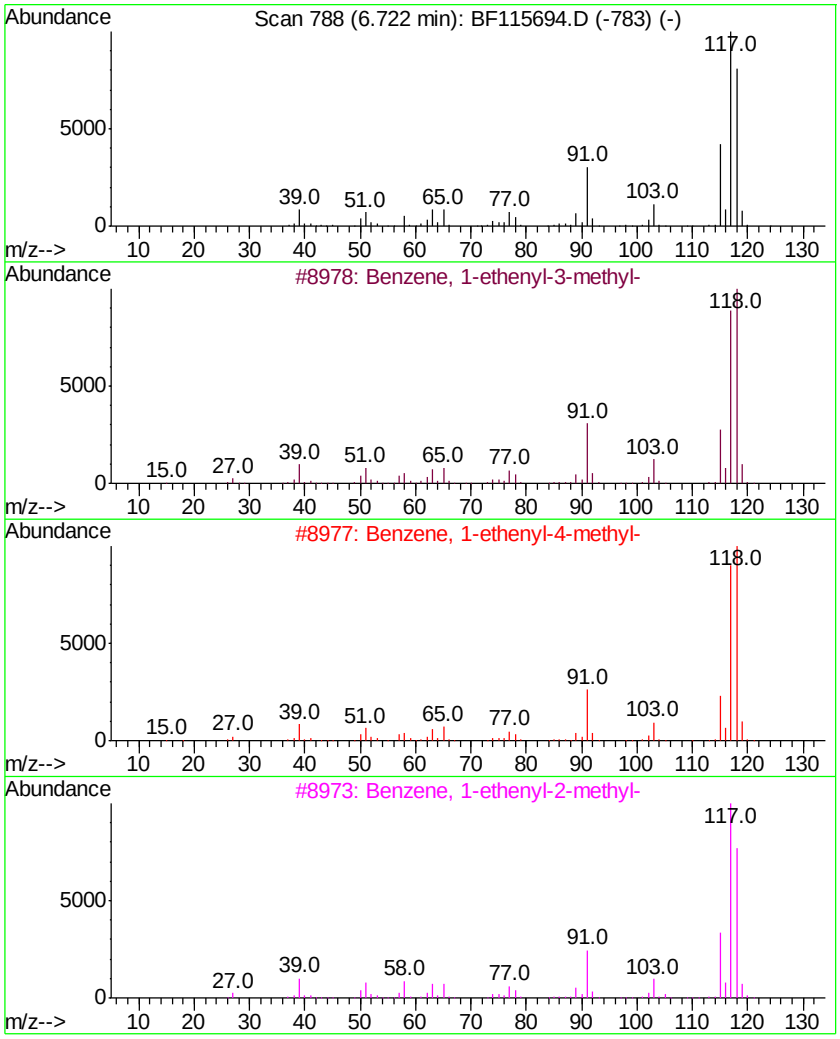
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

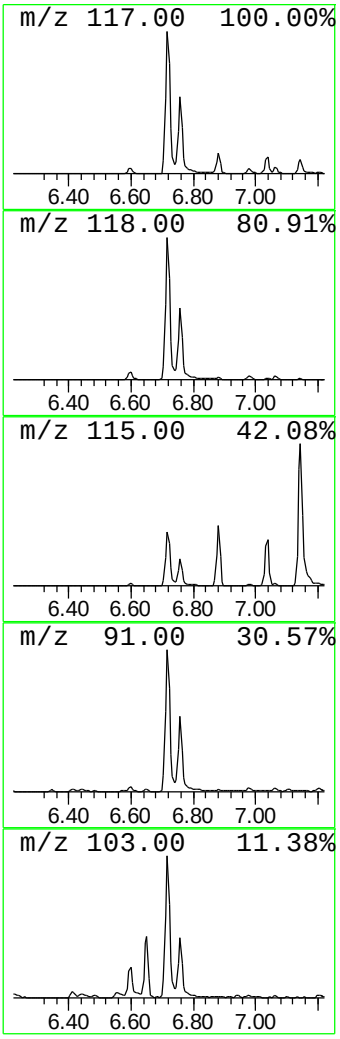
****

Peak Number 3 Benzene, 1-ethenyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	25.46 ng	1172460	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-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
5	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115694.D
Acq On : 20 Jul 2019 1:31
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Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST11.L
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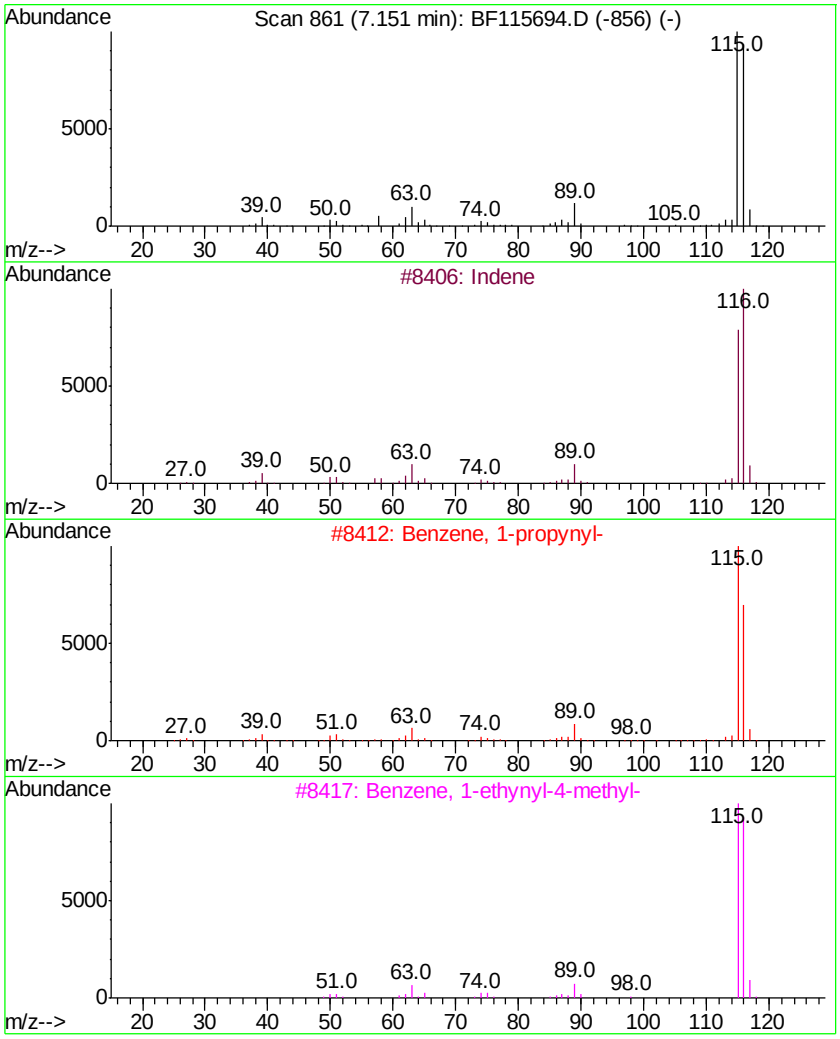
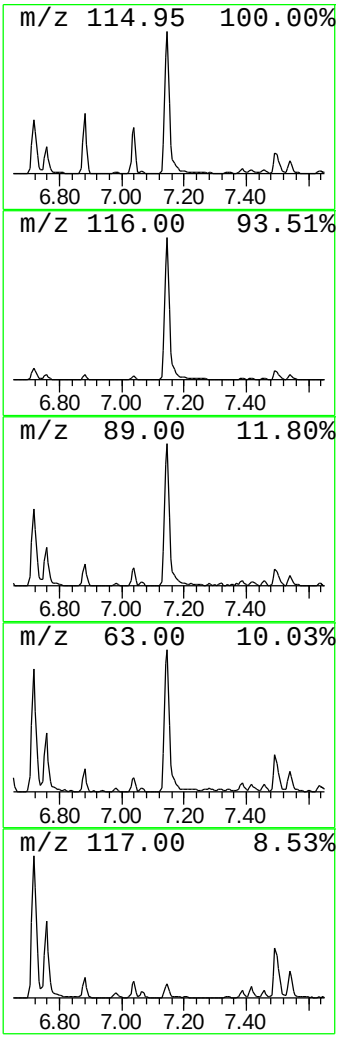
Peak Number 5 Indene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	20.40 ng	939376	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	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





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Misc :
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Instrument : BNA_F
ClientSampleId : AOC-7(1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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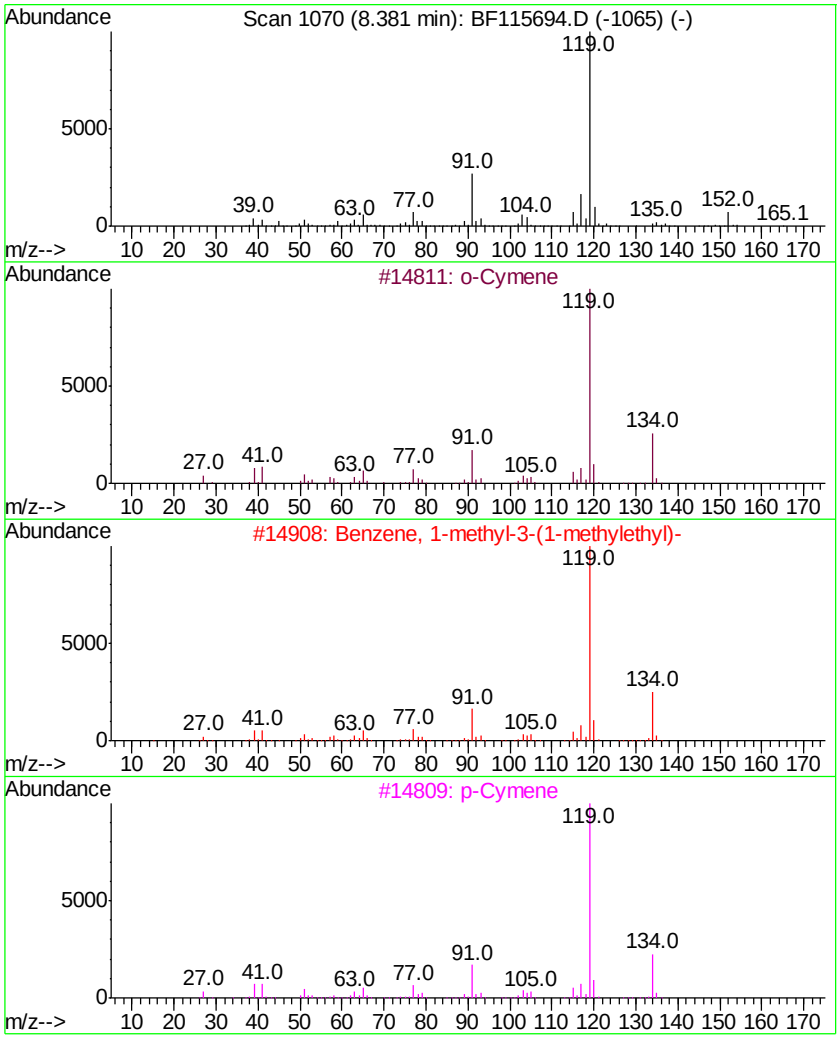
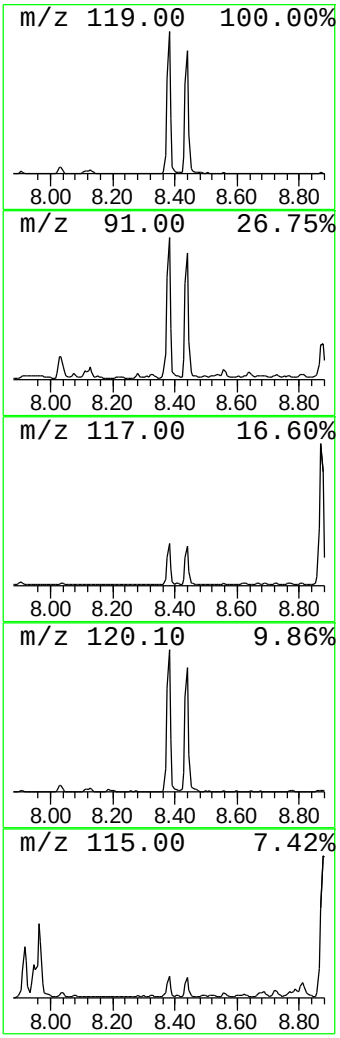
Peak Number 6 o-Cymene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	15.35 ng	960796	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	90
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
3	p-Cymene	134	C10H14	000099-87-6	87
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	83
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	80





Library Search Compound Report

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Data File : BF115694.D
Acq On : 20 Jul 2019 1:31
Operator : HP/JU
Sample : K3887-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(1)

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

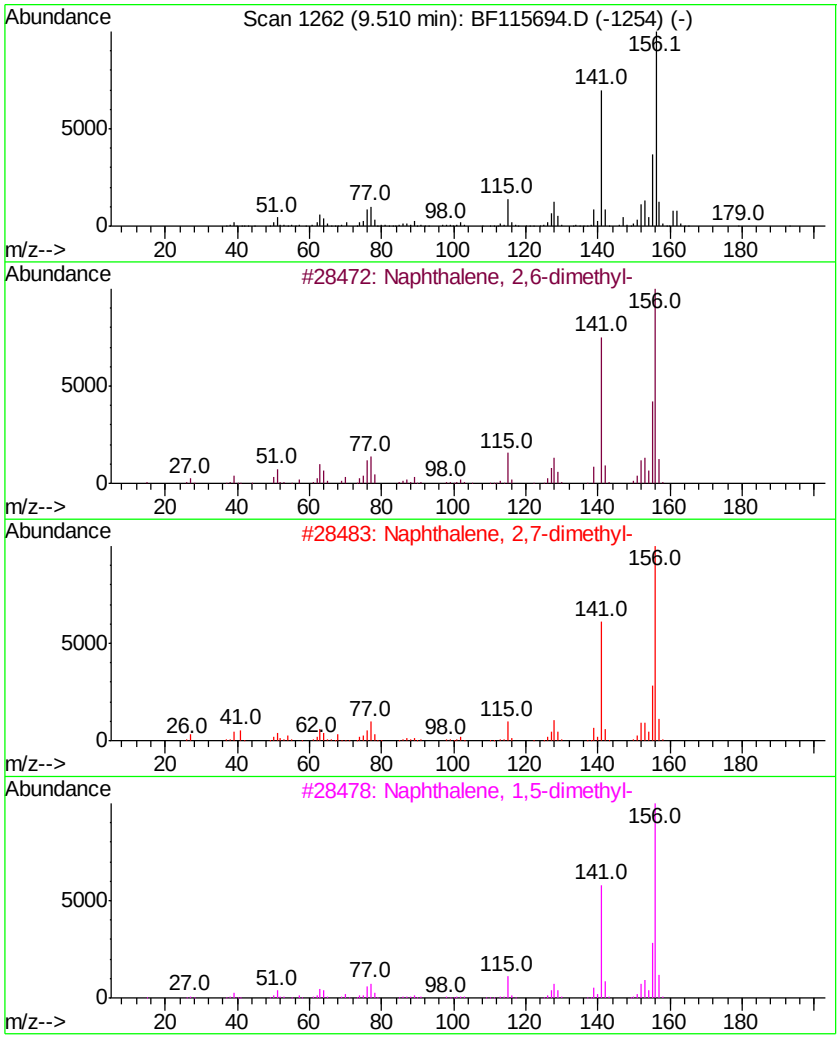
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

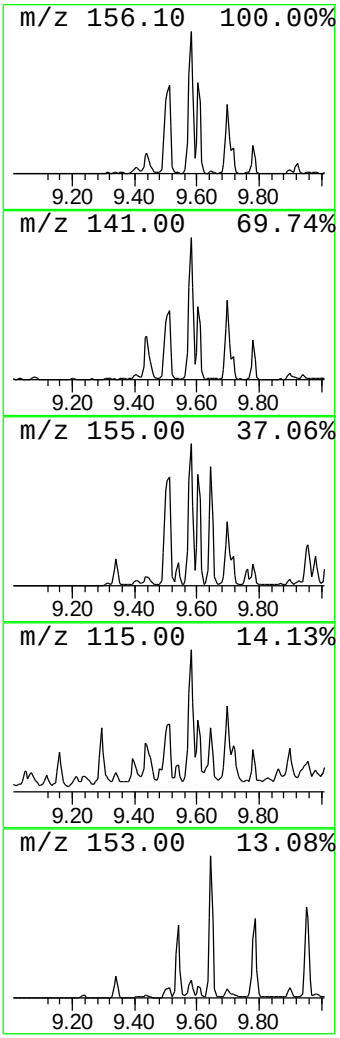
****

Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	16.76 ng	1107770	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, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Sample : K3887-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : AOC-7(1)

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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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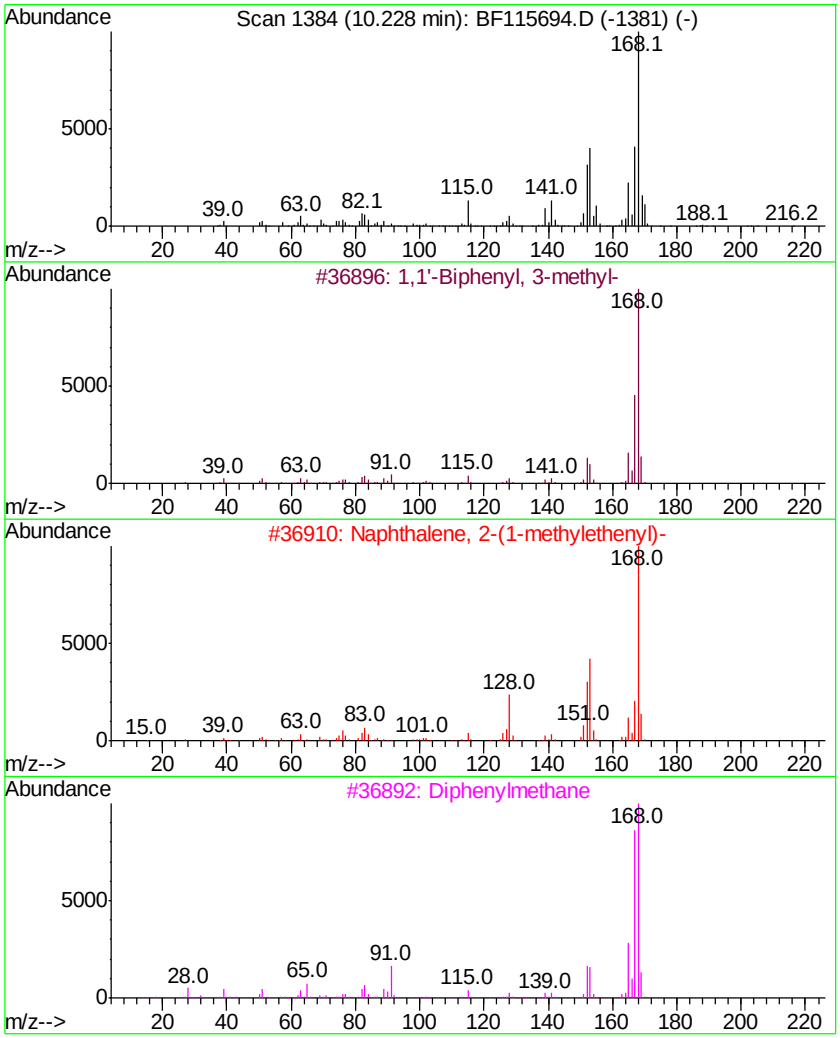
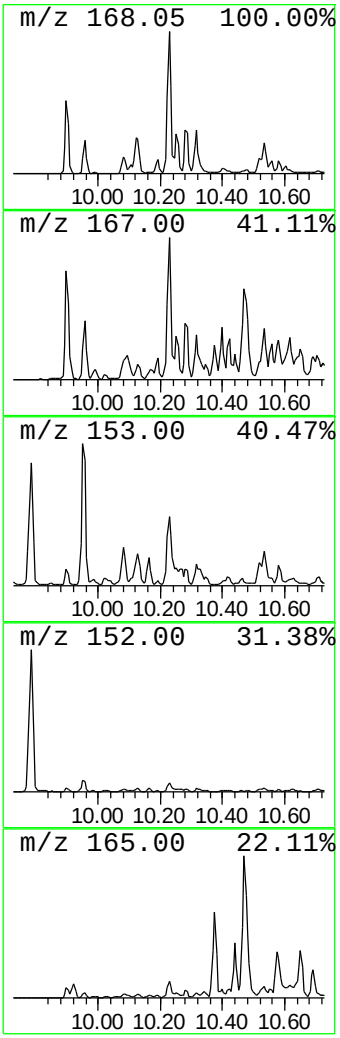
Peak Number 8 1,1'-Biphenyl, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	24.65 ng	1629740	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	64
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	58
3	Diphenylmethane	168	C13H12	000101-81-5	52
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	47





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

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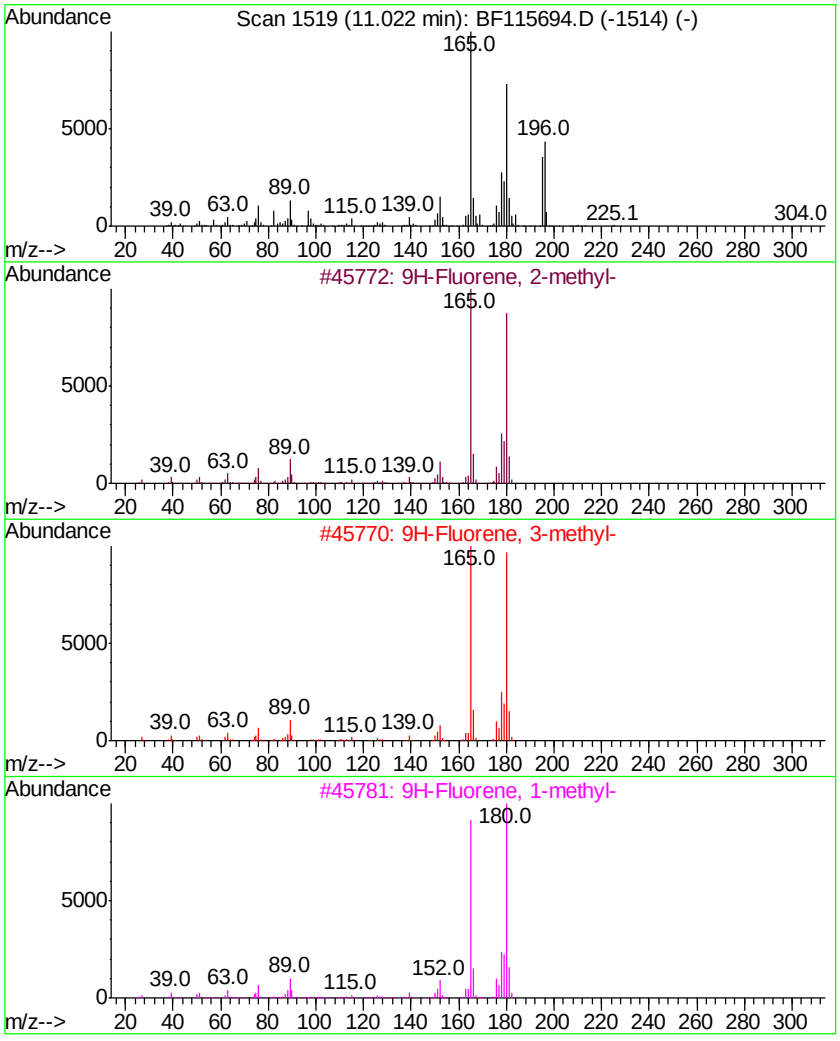
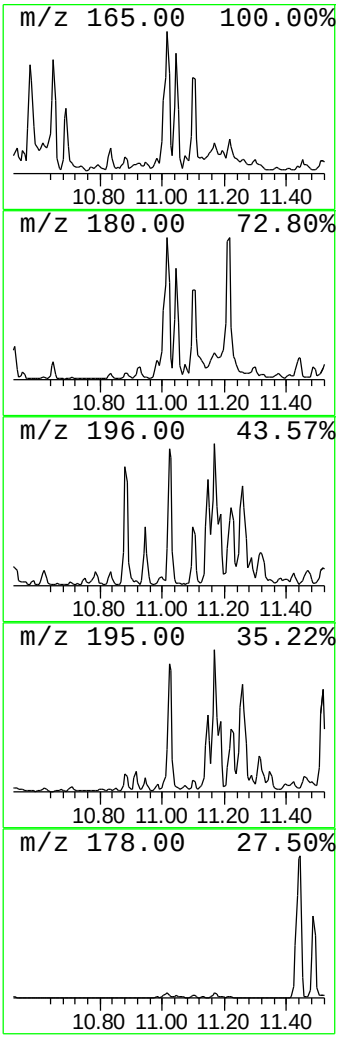
Peak Number 9 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	21.51 ng	1406020	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
5	(E)-Stilbene	180	C14H12	000103-30-0	68





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

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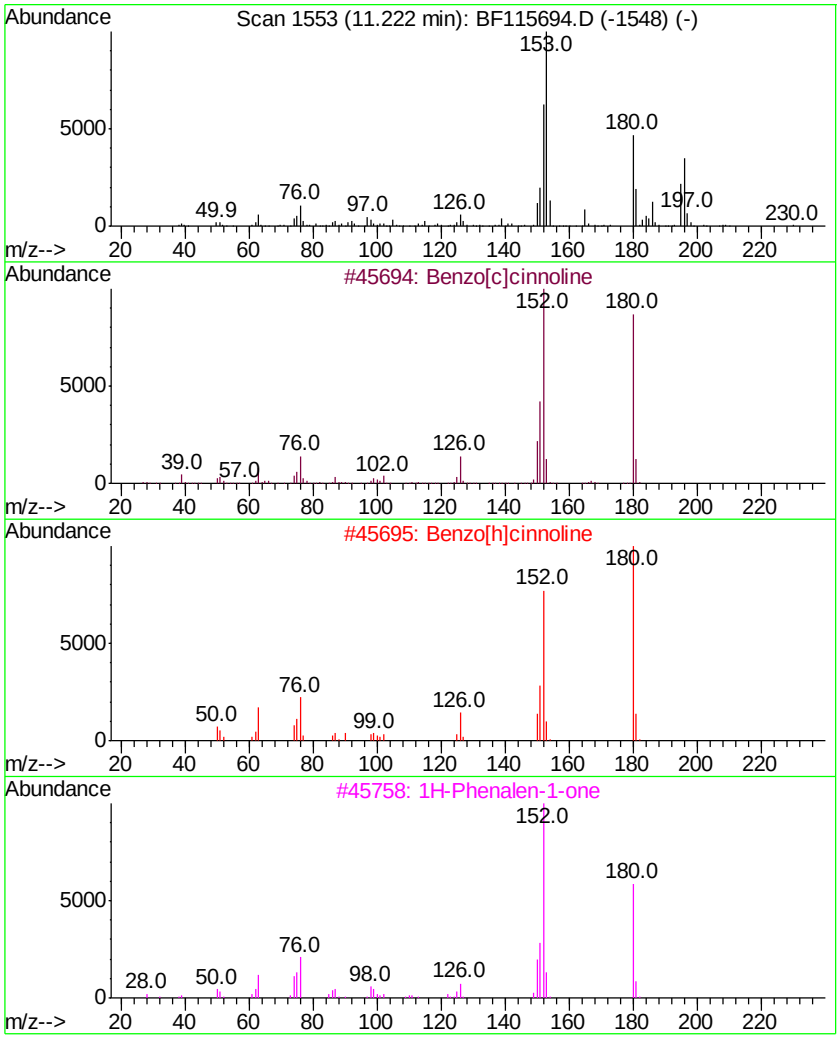
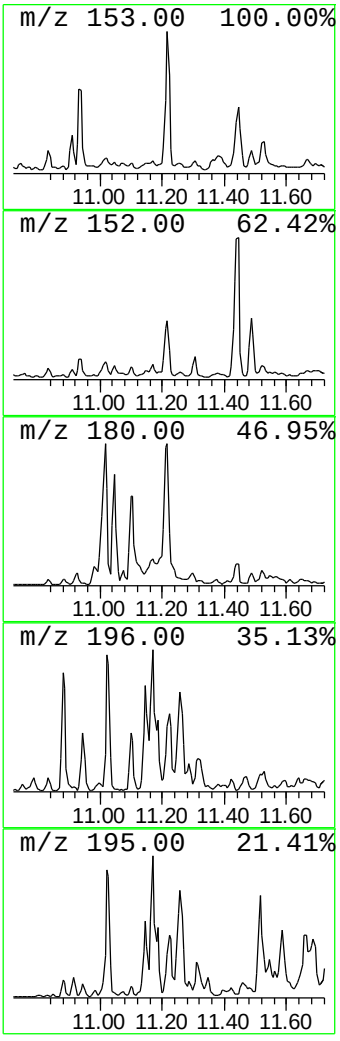
Peak Number 10 Benzo[c]cinnoline Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	17.20 ng	1124380	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	62
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	52
5	6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	50





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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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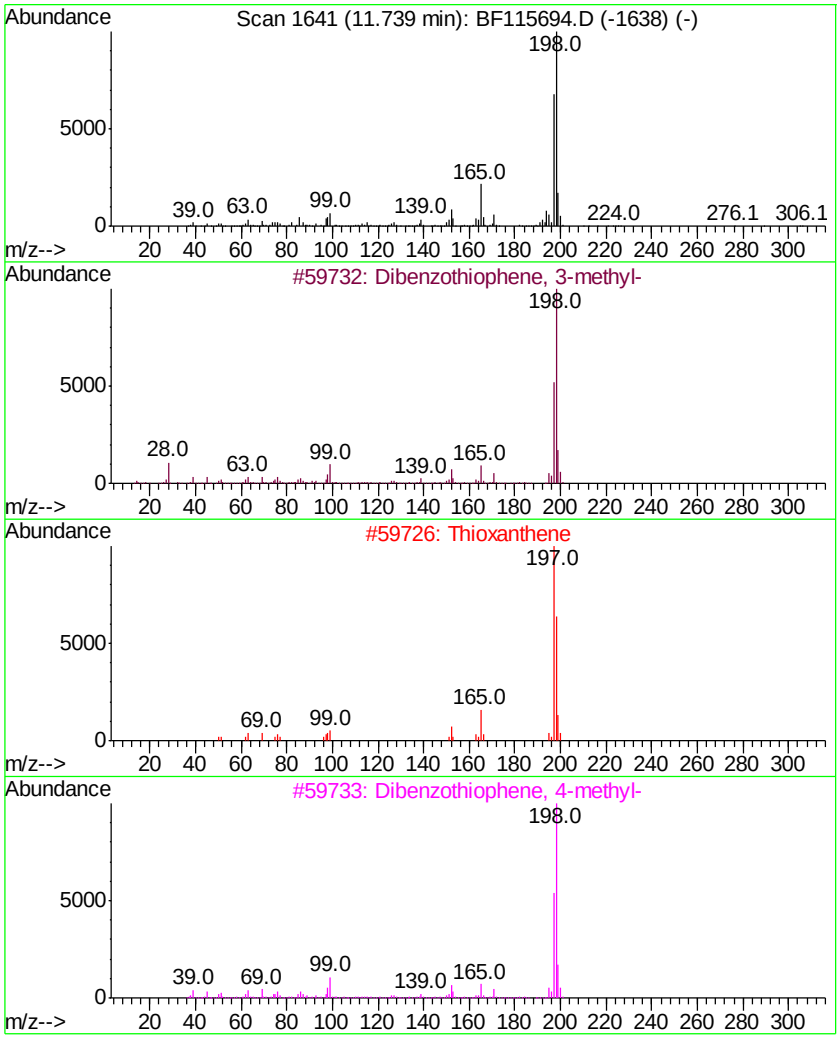
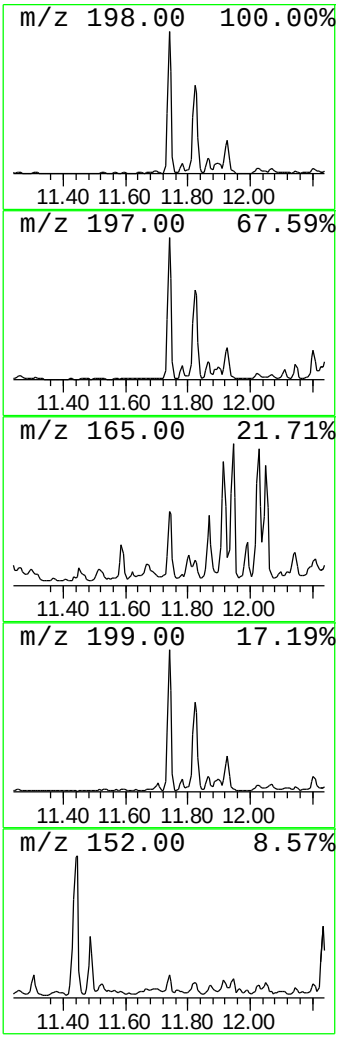
Peak Number 11 Dibenzothiophene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	16.54 ng	1081420	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
2	Thioxanthene	198	C13H10S	000261-31-4	86
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
4	Tacrine	198	C13H14N2	000321-64-2	64
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	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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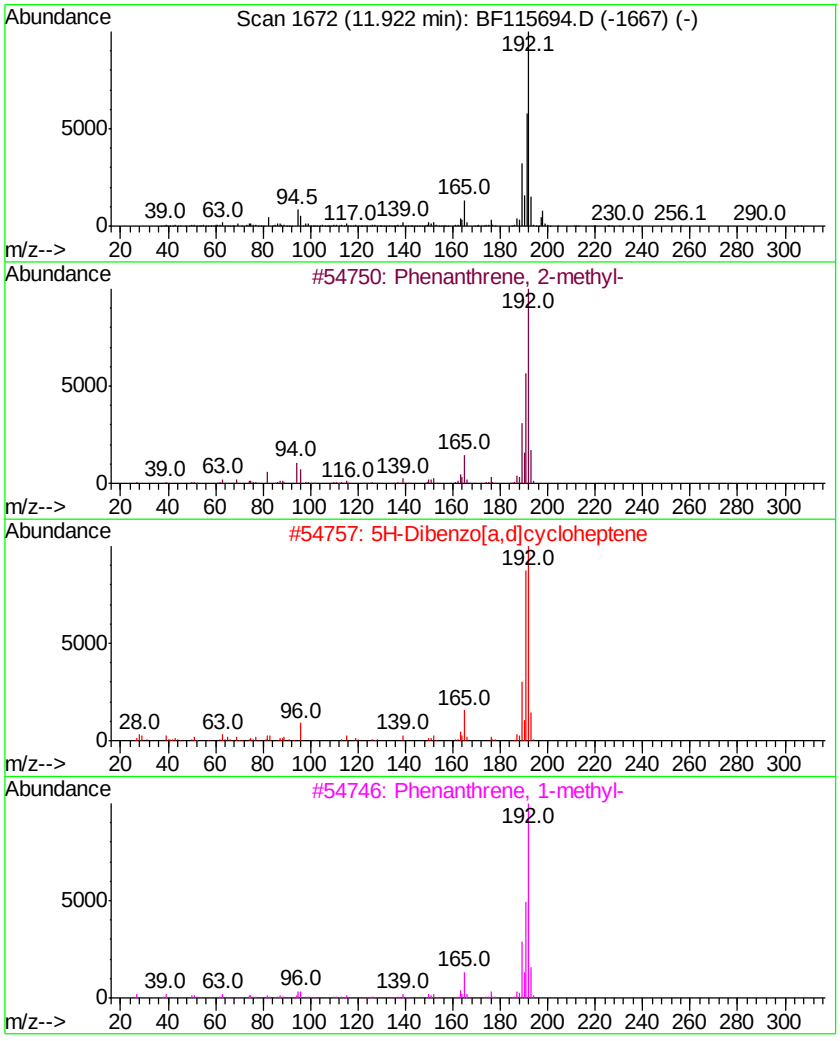
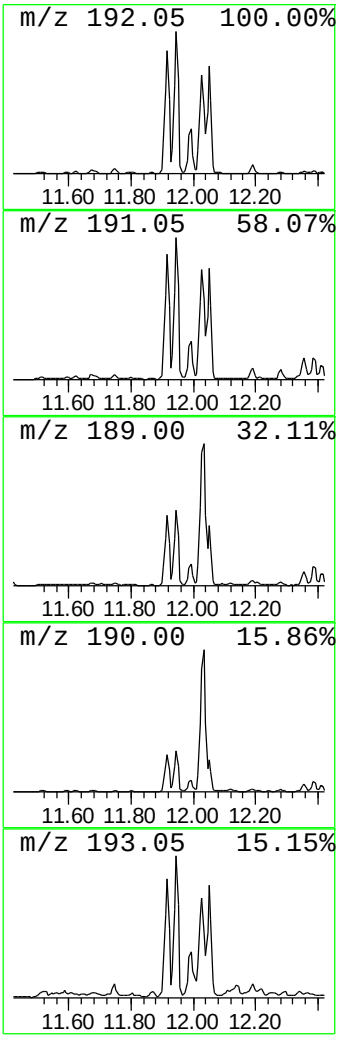
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	49.09 ng	3209460	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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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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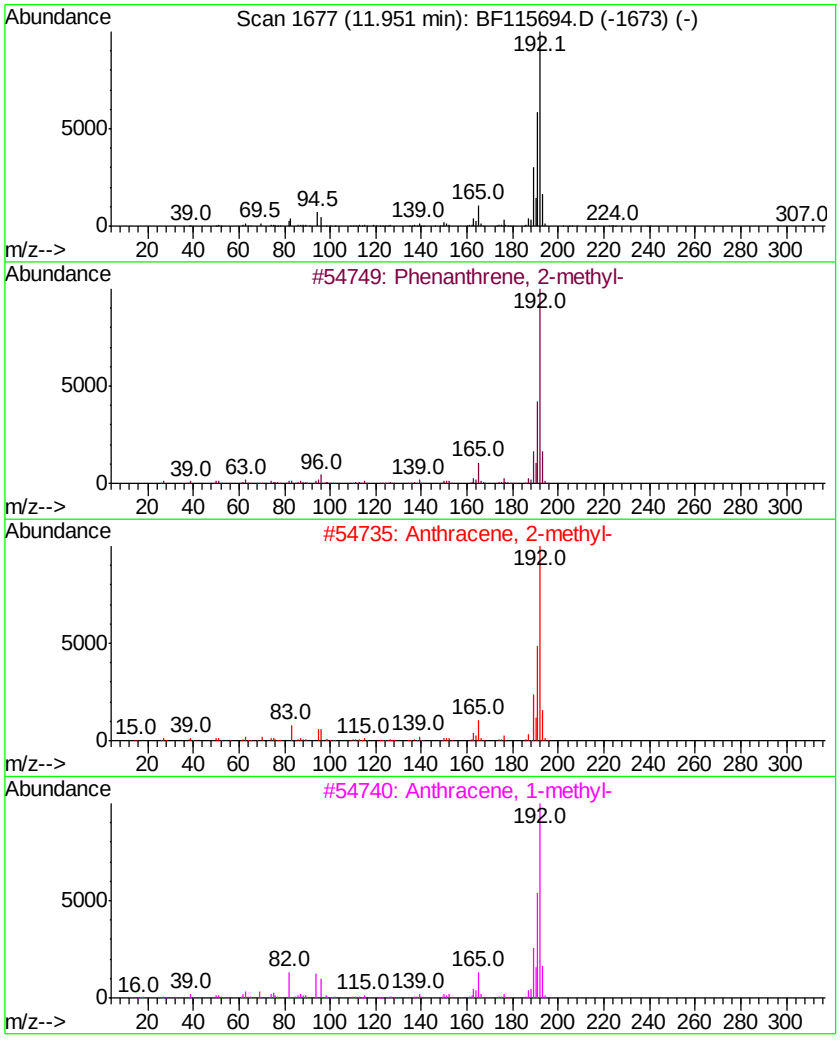
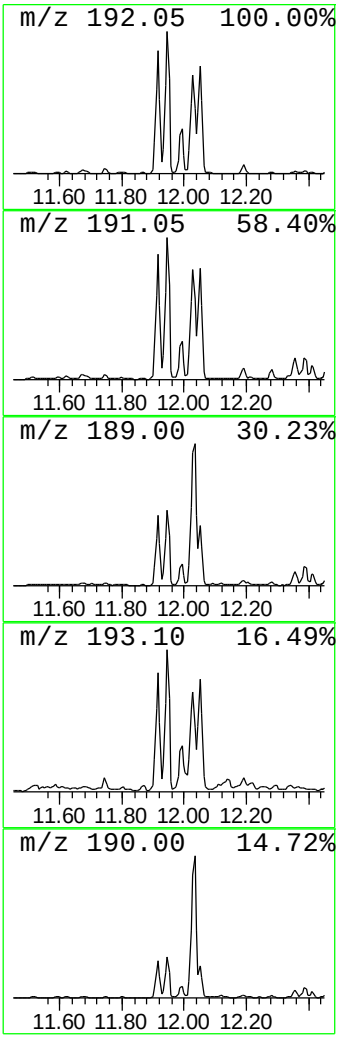
Peak Number 13 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	51.64 ng	3375950	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Sample : K3887-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : AOC-7(1)

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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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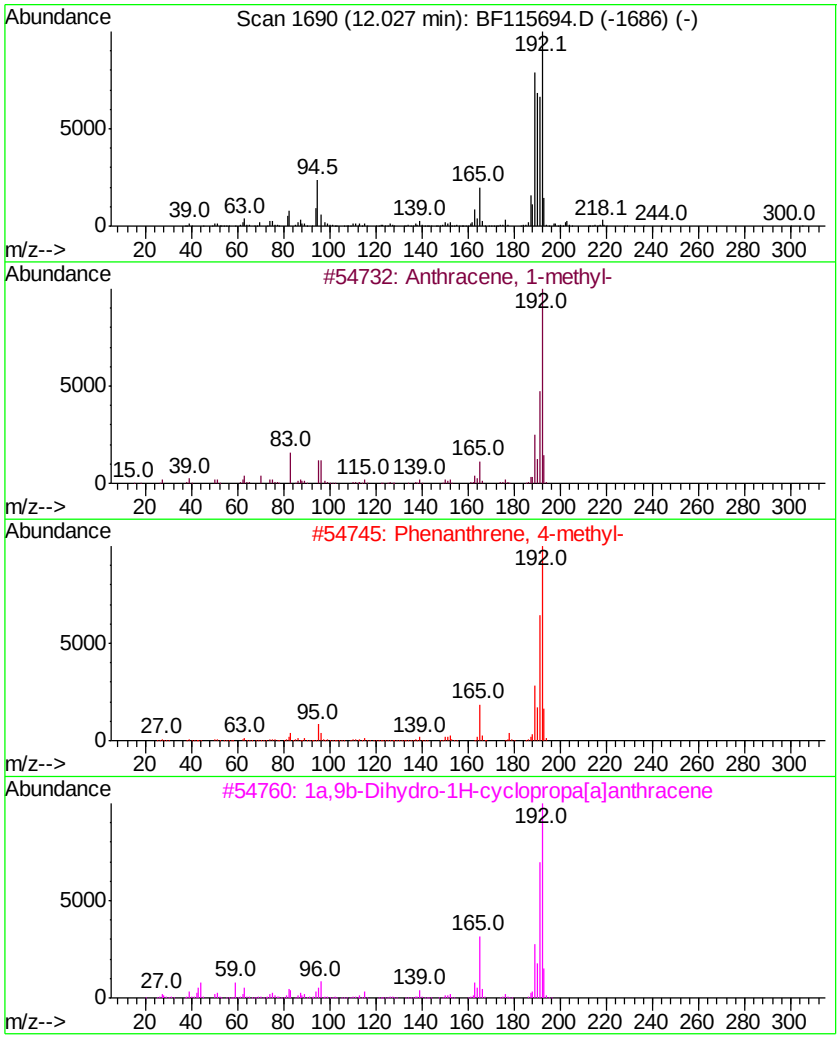
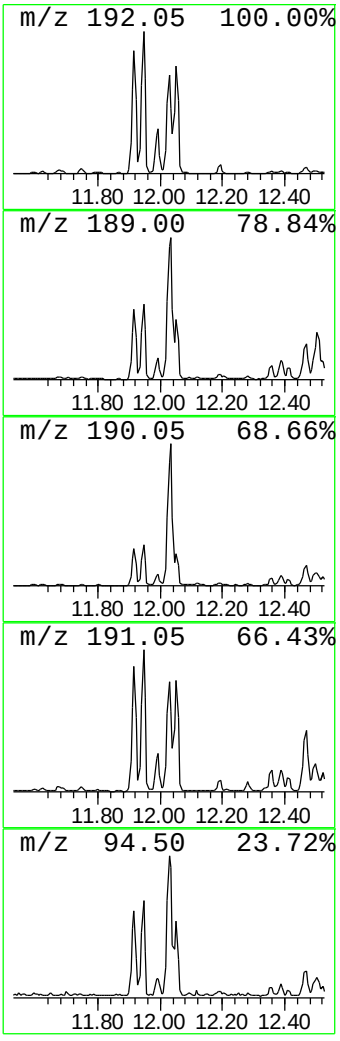
Peak Number 14 Anthracene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	77.28 ng	5052190	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	50
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46





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

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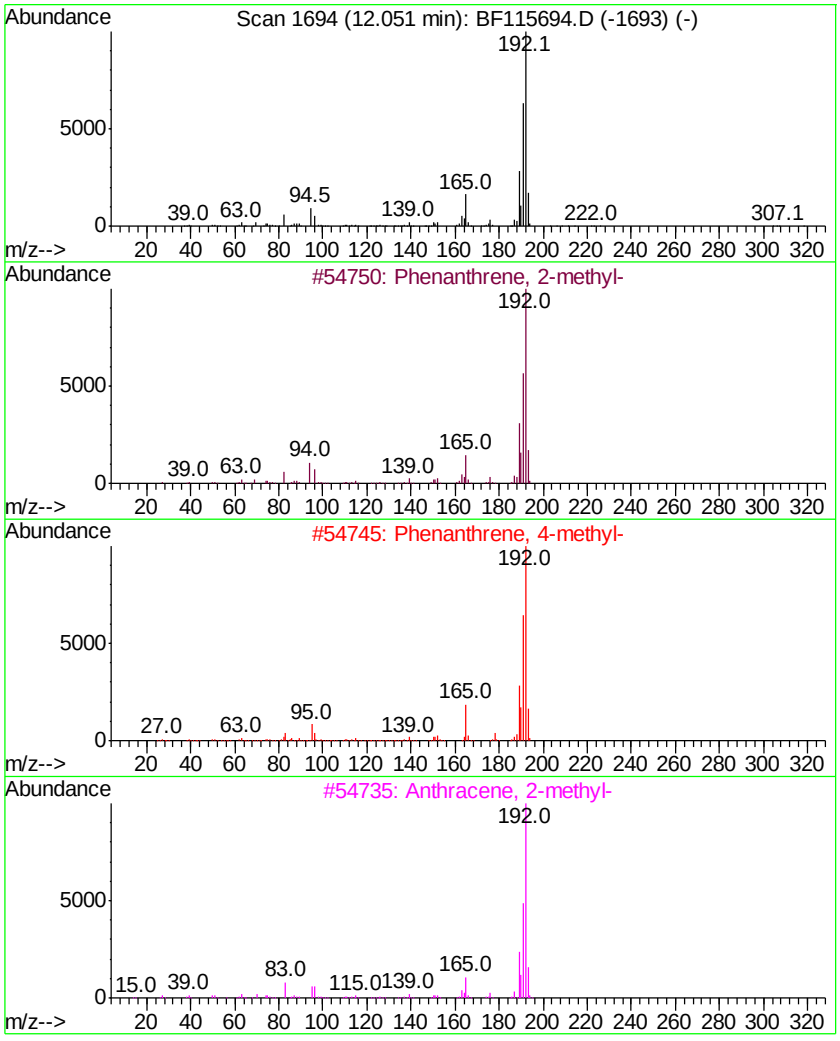
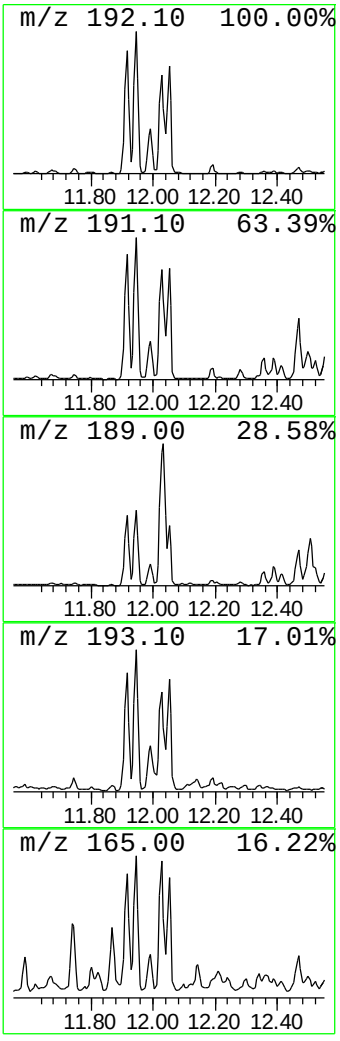
Peak Number 15 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	26.04 ng	1702690	Phenanthrene-d10	11.41

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





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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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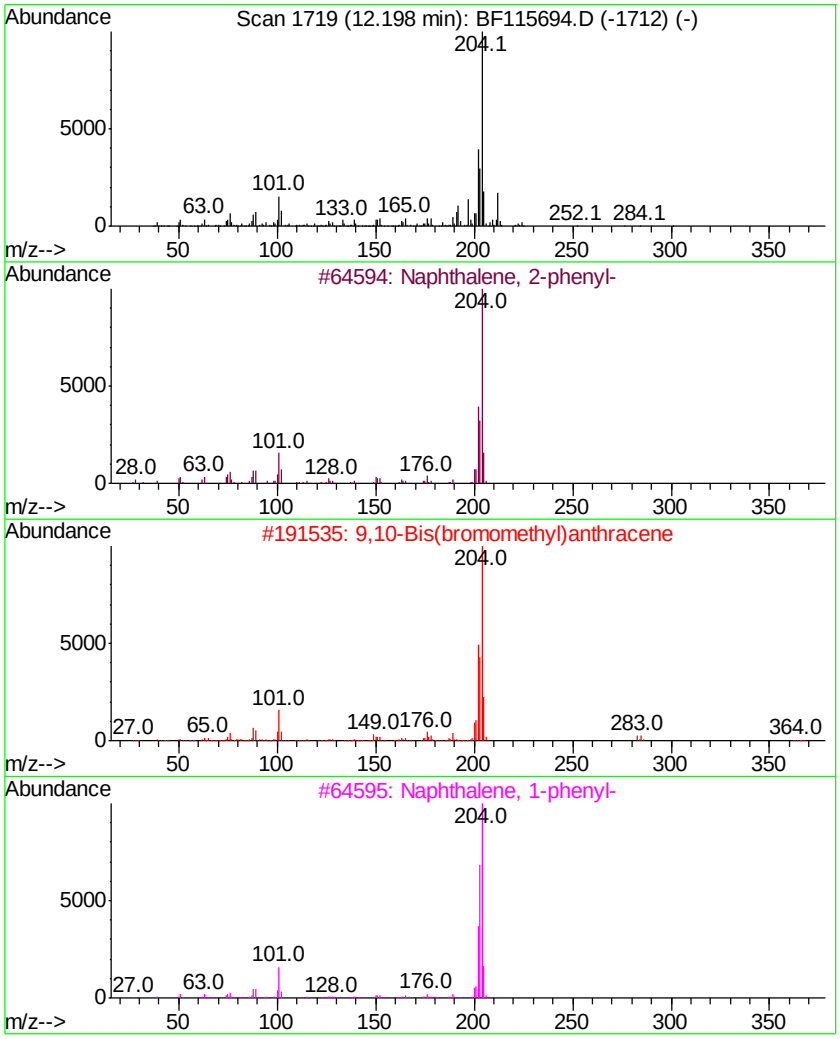
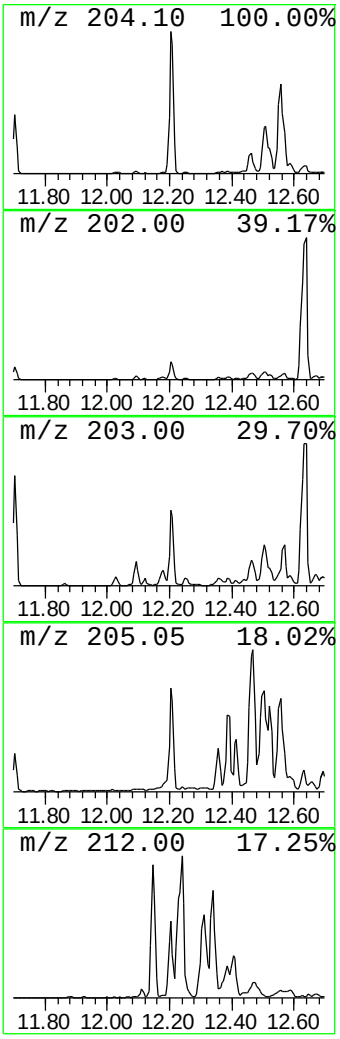
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	34.41 ng	2249720	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	49





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

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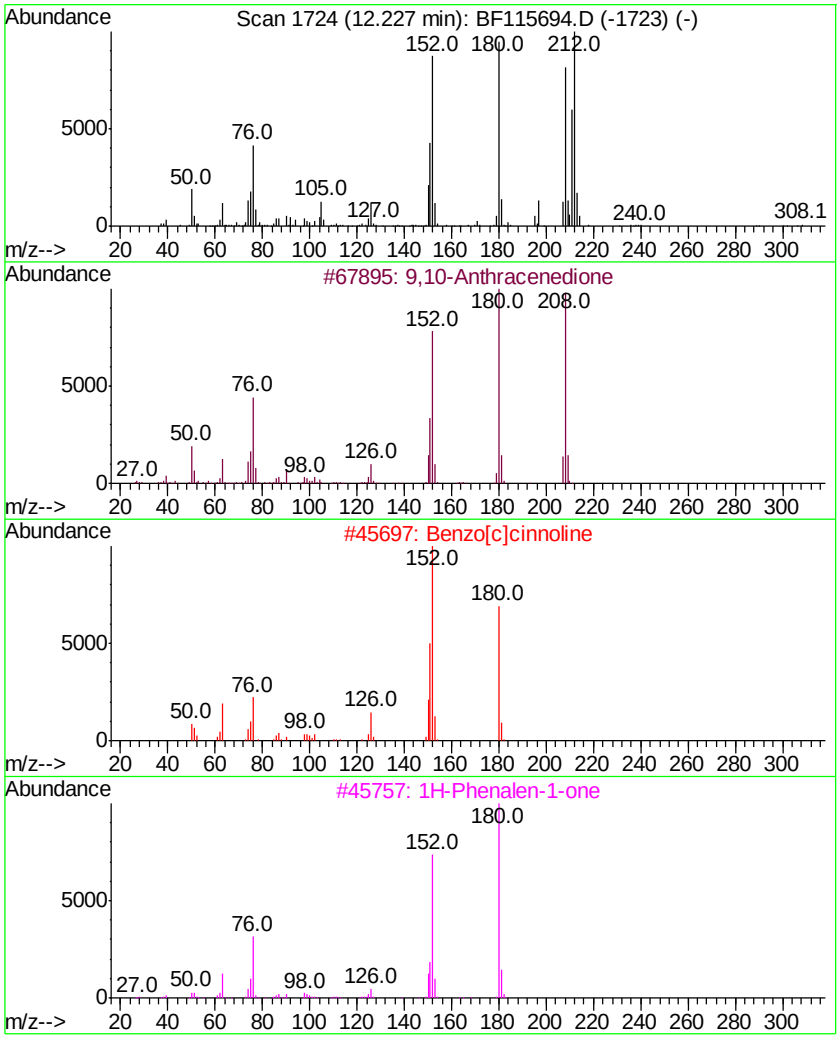
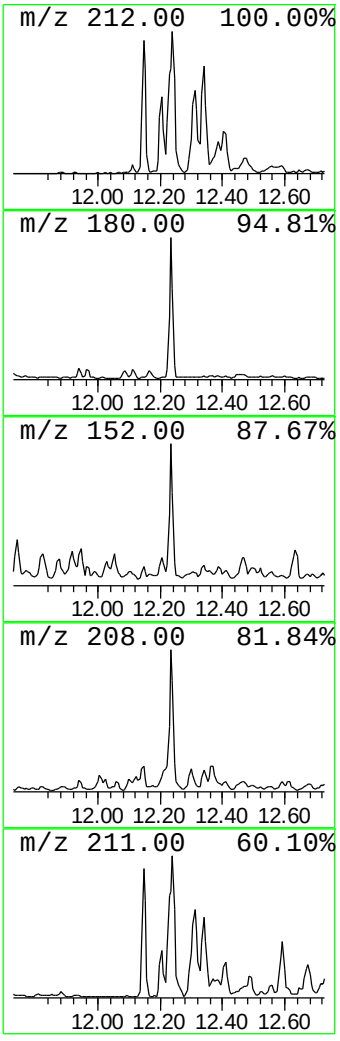
Peak Number 17 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	20.34 ng	1329550	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	45
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	43





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

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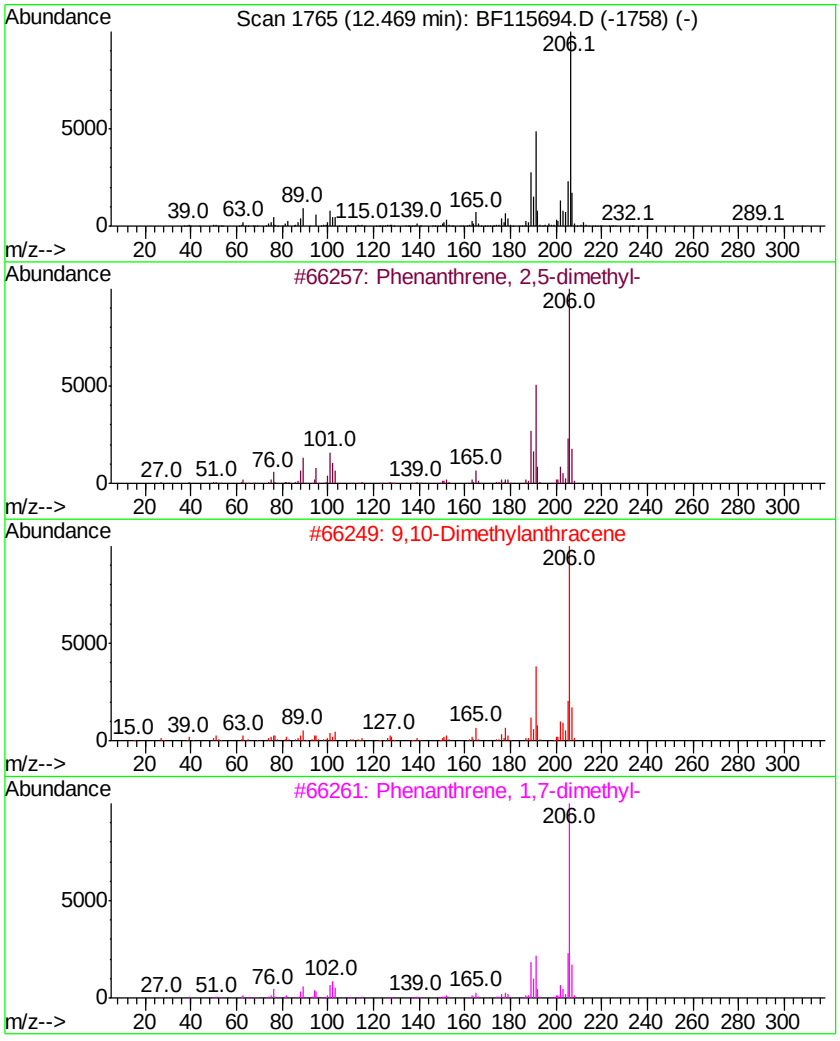
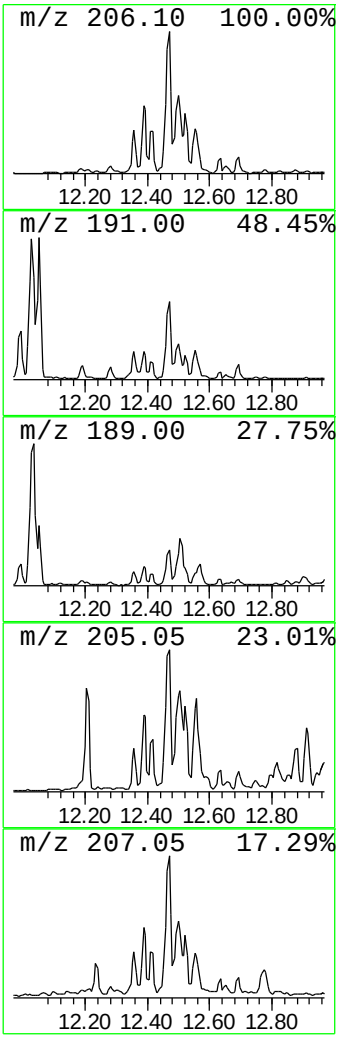
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	46.73 ng	3055140	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	92





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Acq On : 20 Jul 2019 1:31
Operator : HP/JU
Sample : K3887-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(1)

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

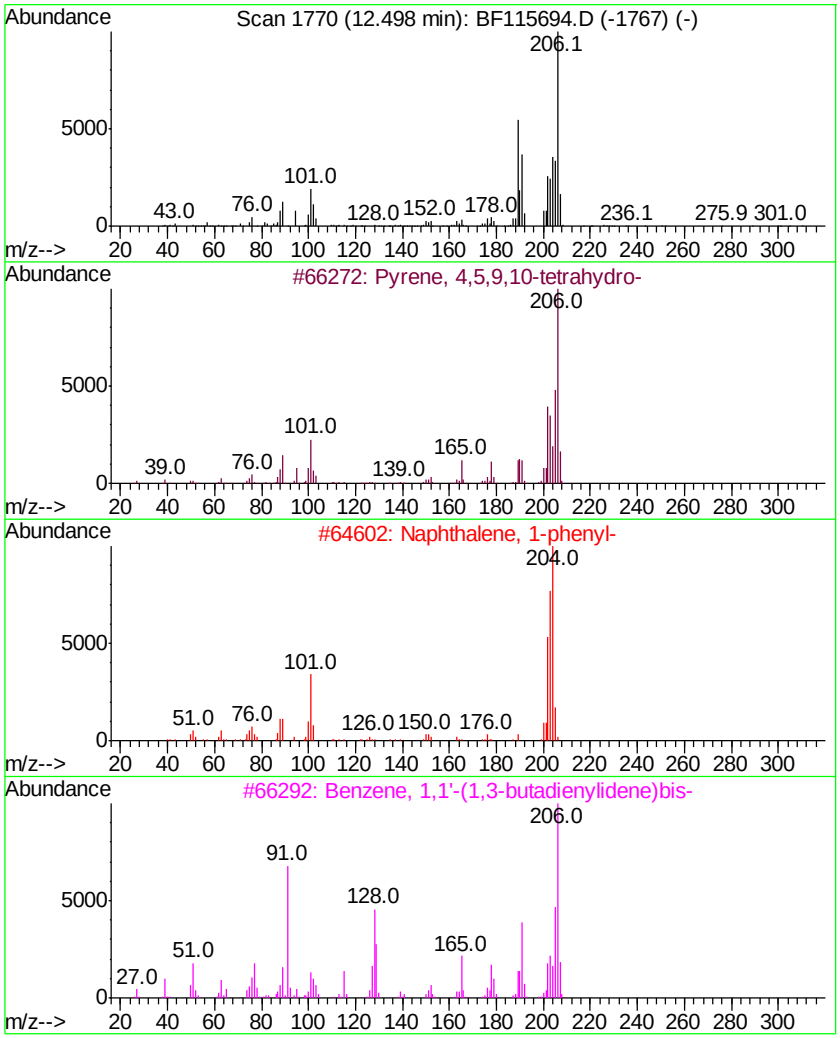
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

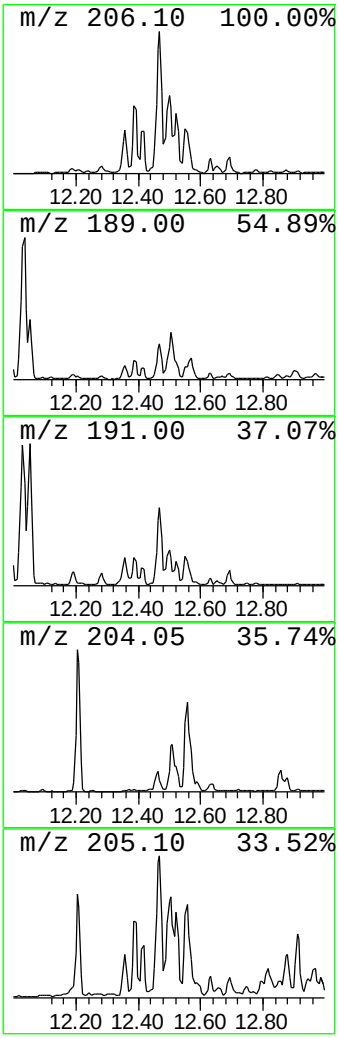
****

Peak Number 19 unknown12.50 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	31.32 ng	2047720	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	42
3	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	30
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115694.D
Acq On : 20 Jul 2019 1:31
Operator : HP/JU
Sample : K3887-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(1)

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

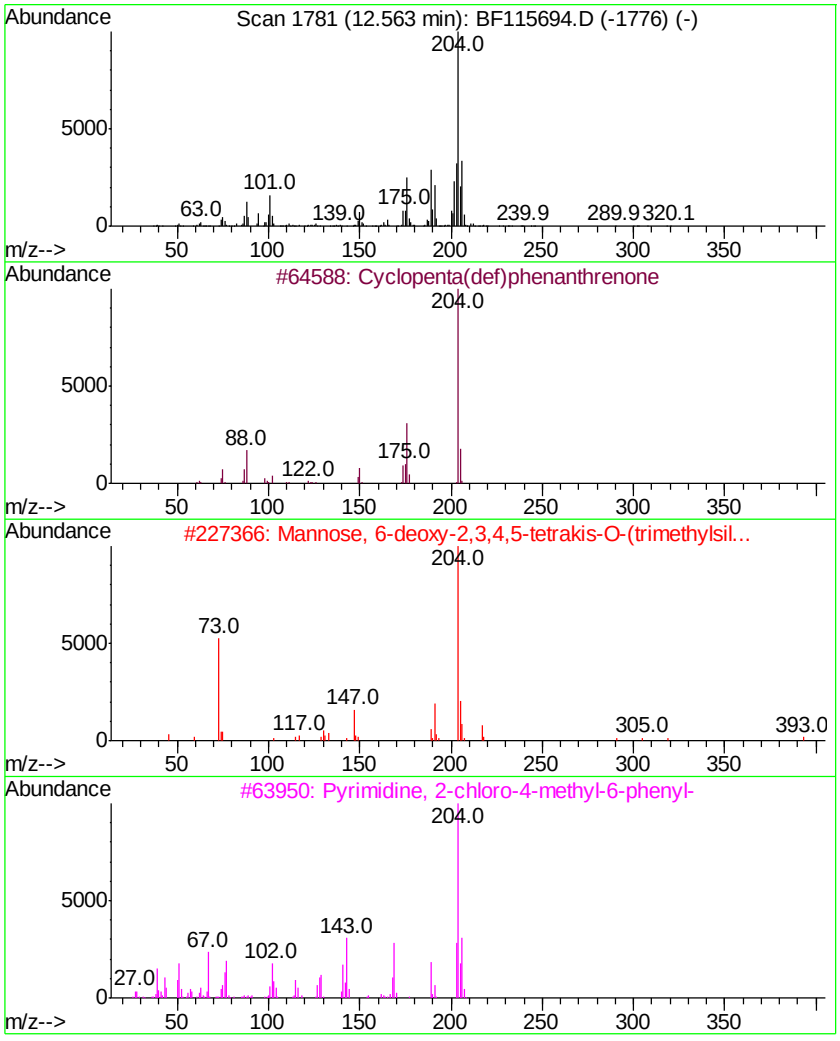
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

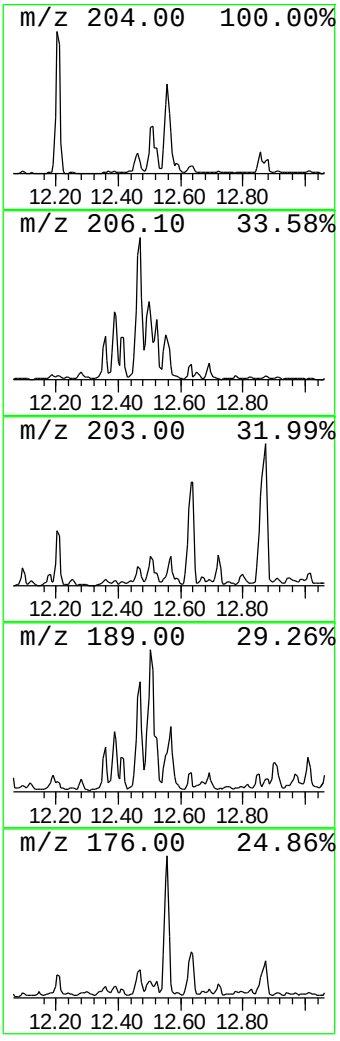
****

Peak Number 20 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	29.10 ng	1902550	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	47
3	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	47
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
5	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071919\
Data File : BF115694.D
Acq On : 20 Jul 2019 1:31
Operator : HP/JU
Sample : K3887-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(1)

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	22.4	ng	1033870	1	6.88	921128	20.0
Benzene, 1-etheny...	6.72	25.5	ng	1172460	1	6.88	921128	20.0
Indene	7.15	20.4	ng	939376	1	6.88	921128	20.0
o-Cymene	8.38	15.4	ng	960796	2	8.16	1251710	20.0
Naphthalene, 2,6-...	9.51	16.8	ng	1107770	3	9.92	1322260	20.0
1,1'-Biphenyl, 3-...	10.23	24.6	ng	1629740	3	9.92	1322260	20.0
9H-Fluorene, 2-me...	11.02	21.5	ng	1406020	4	11.41	1307560	20.0
Benzo[c]cinnoline	11.22	17.2	ng	1124380	4	11.41	1307560	20.0
Dibenzothiophene,...	11.74	16.5	ng	1081420	4	11.41	1307560	20.0
Phenanthrene, 2-m...	11.92	49.1	ng	3209460	4	11.41	1307560	20.0
Anthracene, 2-met...	11.95	51.6	ng	3375950	4	11.41	1307560	20.0
Anthracene, 1-met...	12.03	77.3	ng	5052190	4	11.41	1307560	20.0
Phenanthrene, 4-m...	12.05	26.0	ng	1702690	4	11.41	1307560	20.0
Naphthalene, 2-ph...	12.20	34.4	ng	2249720	4	11.41	1307560	20.0
9,10-Anthracenedione	12.23	20.3	ng	1329550	4	11.41	1307560	20.0
Phenanthrene, 2,5...	12.47	46.7	ng	3055140	4	11.41	1307560	20.0
unknown12.50	12.50	31.3	ng	2047720	4	11.41	1307560	20.0
Cyclopenta(def)ph...	12.56	29.1	ng	1902550	4	11.41	1307560	20.0