LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020619\
Data File : BF112424.D
Acq On : 6 Feb 2019 17:10
Operator : JU/SJ
Sample : K1379-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-6A

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-BF012519.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	5.463	571	574	585	rBV	476732	569309	38.52%	2.161%
2	5.669	605	609	624	rBV	135953	219490	14.85%	0.833%
3	6.481	743	747	756	rBV	505988	644687	43.62%	2.448%
4	6.610	765	769	775	rVV	680976	688748	46.60%	2.615%
5	6.663	775	778	783	rVV	249019	314840	21.30%	1.195%
6	6.710	783	786	795	rVB	108627	141750	9.59%	0.538%
7	6.833	803	807	814	rBV	905819	849365	57.47%	3.225%
8	6.986	829	833	846	rVB	586066	521946	35.31%	1.982%
9	7.092	847	851	859	rBV	125895	163409	11.06%	0.620%
10	7.392	899	902	909	rVV	398692	422979	28.62%	1.606%
11	7.445	909	911	916	rVV	98485	125729	8.51%	0.477%
12	7.492	916	919	932	rVB	73835	81858	5.54%	0.311%
13	7.669	946	949	950	rBV	74557	67140	4.54%	0.255%
14	7.686	950	952	962	rVB	268863	245360	16.60%	0.932%
15	7.869	978	983	986	rBV	93460	121221	8.20%	0.460%
16	7.916	986	991	993	rVV	169724	212691	14.39%	0.807%
17	7.933	993	994	999	rVV	74257	58045	3.93%	0.220%
18	8.116	1017	1025	1027	rBV	1249466	1139358	77.09%	4.326%
19	8.133	1027	1028	1033	rVB	118219	87448	5.92%	0.332%
20	8.327	1056	1061	1065	rBV	309849	264784	17.91%	1.005%
21	8.386	1068	1071	1078	rVB	326799	288729	19.53%	1.096%
22	8.569	1098	1102	1106	rVB	41237	50629	3.43%	0.192%
23	8.622	1106	1111	1112	rBV	48494	48517	3.28%	0.184%
24	8.822	1142	1145	1153	rVB2	139806	175477	11.87%	0.666%
25	8.886	1153	1156	1159	rBV	102843	89612	6.06%	0.340%
26	8.927	1159	1163	1166	rBV	136526	116890	7.91%	0.444%
27	8.998	1172	1175	1177	rBV	78716	61243	4.14%	0.233%
28	9.104	1190	1193	1196	rBV	119882	106425	7.20%	0.404%
29	9.186	1201	1207	1213	rBV	870185	747936	50.60%	2.840%
30	9.316	1226	1229	1231	rBV	81856	80128	5.42%	0.304%
31	9.345	1231	1234	1239	rVB2	54139	68422	4.63%	0.260%
32	9.527	1262	1265	1268	rBV2	88660	106153	7.18%	0.403%
33	9.580	1271	1274	1275	rBV2	62493	61881	4.19%	0.235%
34	9.733	1296	1300	1303	rBV	176933	185893	12.58%	0.706%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K1379-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-6A

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-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.869	1315	1323	1326	rVV	1430629	1314942	88.97%	4.992%
36	9.904	1326	1329	1332	rVB	244699	235885	15.96%	0.896%
37	10.039	1346	1352	1354	rVV6	40965	76612	5.18%	0.291%
38	10.074	1355	1358	1362	rVV	102473	110981	7.51%	0.421%
39	10.180	1373	1376	1379	rBV2	54410	63605	4.30%	0.241%
40	10.292	1388	1395	1398	rBV6	88898	138936	9.40%	0.527%
41	10.416	1413	1416	1422	rVB	139034	157548	10.66%	0.598%
42	10.657	1454	1457	1464	rVB	412434	422437	28.58%	1.604%
43	10.780	1473	1478	1484	rVB6	96655	149518	10.12%	0.568%
44	10.880	1493	1495	1498	rBV	47800	49674	3.36%	0.189%
45	10.963	1505	1509	1512	rBV4	38236	55120	3.73%	0.209%
46	11.168	1541	1544	1548	rVB	52944	59479	4.02%	0.226%
47	11.216	1548	1552	1554	rVV2	53231	58129	3.93%	0.221%
48	11.251	1555	1558	1562	rVB2	71961	81391	5.51%	0.309%
49	11.357	1572	1576	1578	rBV	1199739	1050428	71.07%	3.988%
50	11.380	1578	1580	1586	rVV	644811	531746	35.98%	2.019%
51	11.433	1586	1589	1592	rVV	207861	164748	11.15%	0.625%
52	11.474	1592	1596	1601	rBV2	35456	56989	3.86%	0.216%
53	11.592	1613	1616	1621	rBV3	55898	77821	5.27%	0.295%
54	11.639	1622	1624	1628	rVV3	73806	88332	5.98%	0.335%
55	11.692	1630	1633	1637	rVB2	57025	70343	4.76%	0.267%
56	11.857	1658	1661	1664	rBV	181178	195620	13.24%	0.743%
57	11.886	1664	1666	1671	rVB	217147	190640	12.90%	0.724%
58	11.939	1672	1675	1677	rBV	59338	56705	3.84%	0.215%
59	11.968	1677	1680	1683	rBV2	302616	335256	22.68%	1.273%
60	12.151	1708	1711	1714	rVV	107405	111316	7.53%	0.423%
61	12.186	1715	1717	1722	rVB4	75857	80036	5.42%	0.304%
62	12.333	1740	1742	1744	rVB	69993	49675	3.36%	0.189%
63	12.410	1752	1755	1757	rBV	223909	208937	14.14%	0.793%
64	12.445	1757	1761	1763	rVV3	108285	153575	10.39%	0.583%
65	12.468	1763	1765	1767	rVB	70646	49113	3.32%	0.186%
66	12.504	1767	1771	1774	rBV3	101968	142304	9.63%	0.540%
67	12.574	1779	1783	1786	rBV	950619	824801	55.80%	3.131%
68	12.610	1786	1789	1791	rVV3	62810	61282	4.15%	0.233%
69	12.804	1816	1822	1828	rBV	1251652	1280390	86.63%	4.861%
70	12.857	1828	1831	1834	rVB2	118108	117619	7.96%	0.447%
71	12.933	1841	1844	1847	rVB	554700	432480	29.26%	1.642%

LSC Area Percent Report

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Acq On : 6 Feb 2019 17:10
Operator : JU/SJ
Sample : K1379-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-6A

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-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.962	1847	1849	1853	rVB2	82107	76843	5.20%	0.292%
73	13.015	1855	1858	1865	rBV4	136605	248480	16.81%	0.943%
74	13.110	1870	1874	1875	rBV2	148594	172075	11.64%	0.653%
75	13.198	1886	1889	1891	rBV	82066	67677	4.58%	0.257%
76	13.233	1892	1895	1899	rVB2	197754	193636	13.10%	0.735%
77	13.327	1908	1911	1914	rBV	234403	196660	13.31%	0.747%
78	13.357	1914	1916	1919	rVB	172141	154919	10.48%	0.588%
79	13.645	1962	1965	1968	rVB2	132607	131028	8.87%	0.497%
80	13.698	1972	1974	1978	rBV	55078	51961	3.52%	0.197%
81	13.751	1978	1983	1985	rBV2	145324	210704	14.26%	0.800%
82	13.774	1985	1987	1990	rVB	115477	95870	6.49%	0.364%
83	13.804	1990	1992	1994	rBV	100811	100787	6.82%	0.383%
84	13.851	1998	2000	2003	rVB	88992	81017	5.48%	0.308%
85	14.004	2021	2026	2028	rBV2	1105908	1478037	100.00%	5.611%
86	14.027	2028	2030	2033	rVB	552889	455785	30.84%	1.730%
87	14.086	2038	2040	2042	rBV	58948	53651	3.63%	0.204%
88	14.151	2049	2051	2053	rBV3	56382	60726	4.11%	0.231%
89	14.351	2083	2085	2087	rBV	85531	75202	5.09%	0.286%
90	14.392	2087	2092	2094	rVV	241098	273899	18.53%	1.040%
91	14.421	2095	2097	2100	rVB	116030	96609	6.54%	0.367%
92	14.515	2110	2113	2115	rBV	143426	138083	9.34%	0.524%
93	14.886	2173	2176	2179	rBV2	83116	90133	6.10%	0.342%
94	15.045	2199	2203	2214	rVB	484364	1005396	68.02%	3.817%
95	15.156	2219	2222	2225	rVB	85473	89395	6.05%	0.339%
96	15.351	2251	2255	2261	rVB	349133	425088	28.76%	1.614%
97	15.409	2261	2265	2270	rBV	400269	515135	34.85%	1.956%
98	15.474	2271	2276	2279	rBV	620124	764809	51.74%	2.904%
99	16.950	2522	2527	2537	rBV	167557	334667	22.64%	1.271%
100	17.403	2599	2604	2615	rVB	121109	268818	18.19%	1.021%

Sum of corrected areas: 26339595

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Misc :
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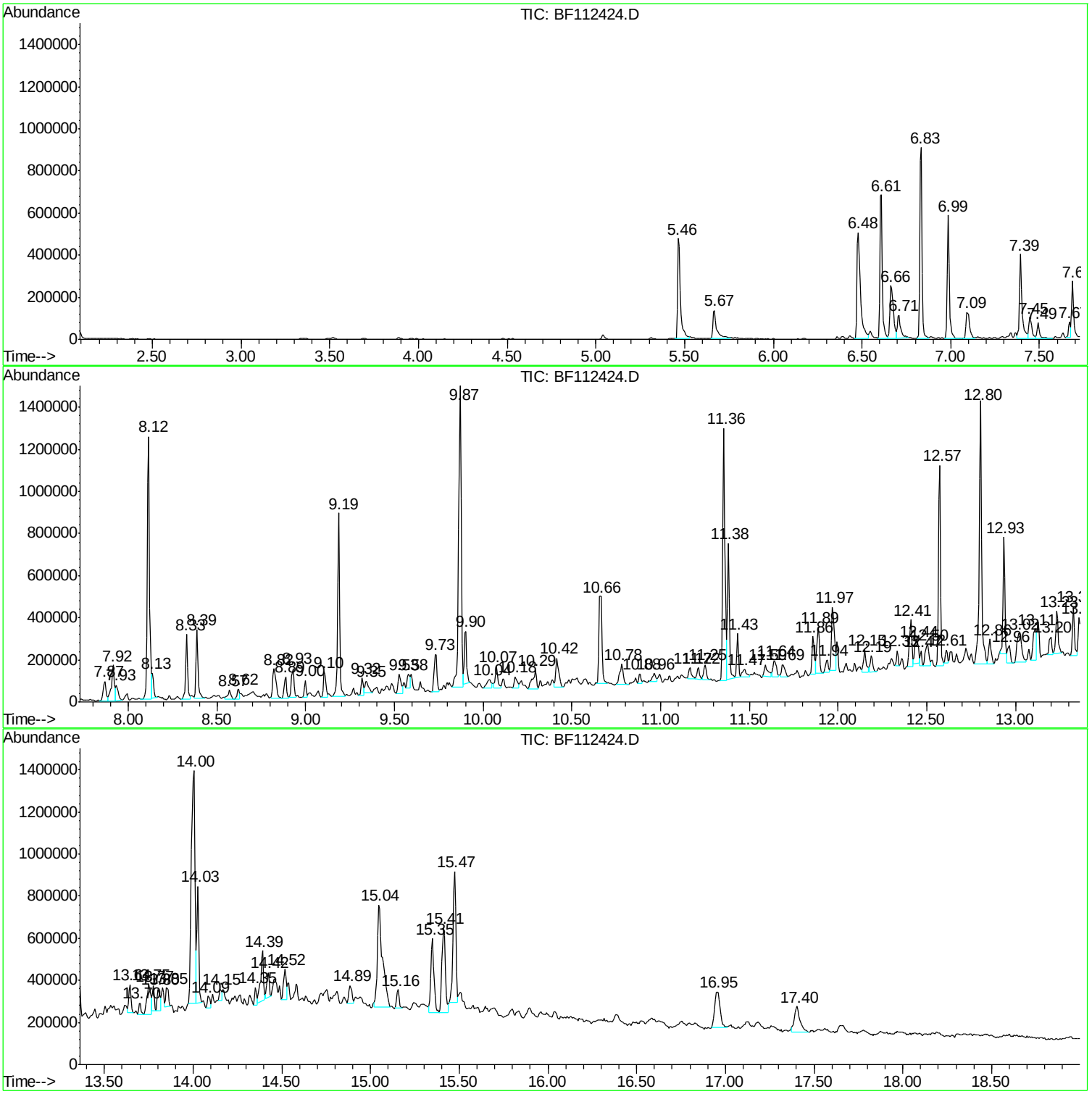
Instrument : BNA_F
ClientSampleId : HR-6A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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\BF020619\
Data File : BF112424.D
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Instrument : BNA_F
ClientSampleId : HR-6A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

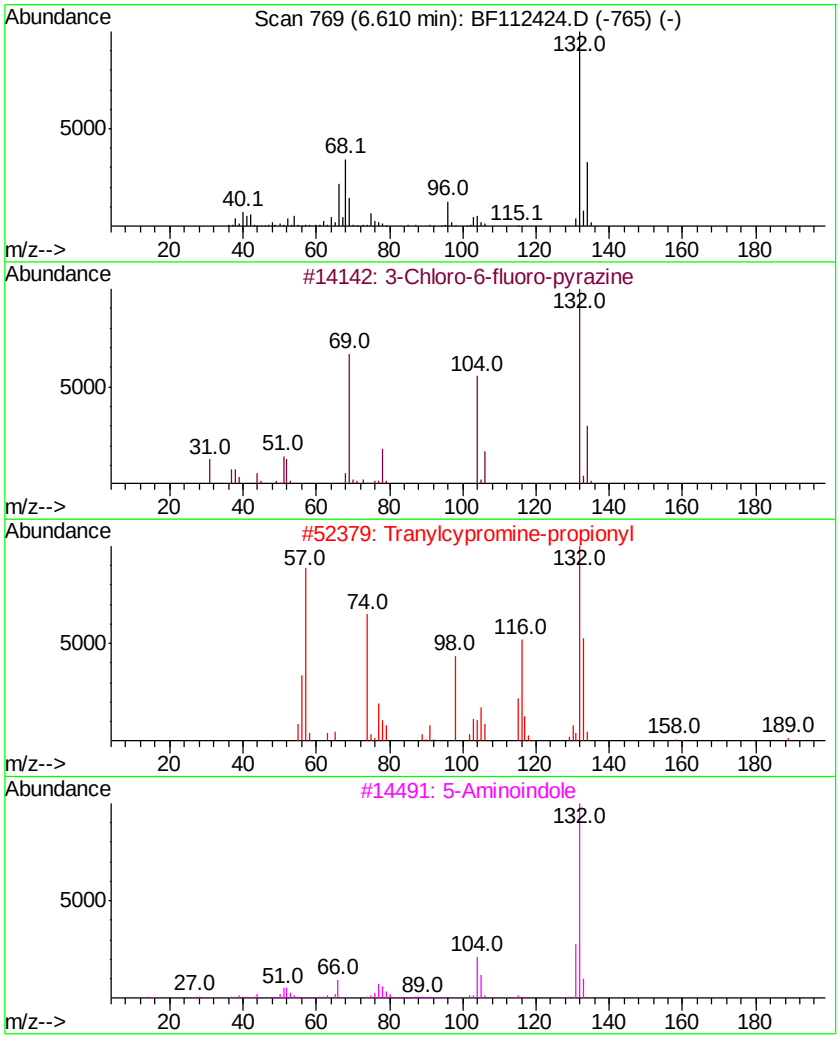
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

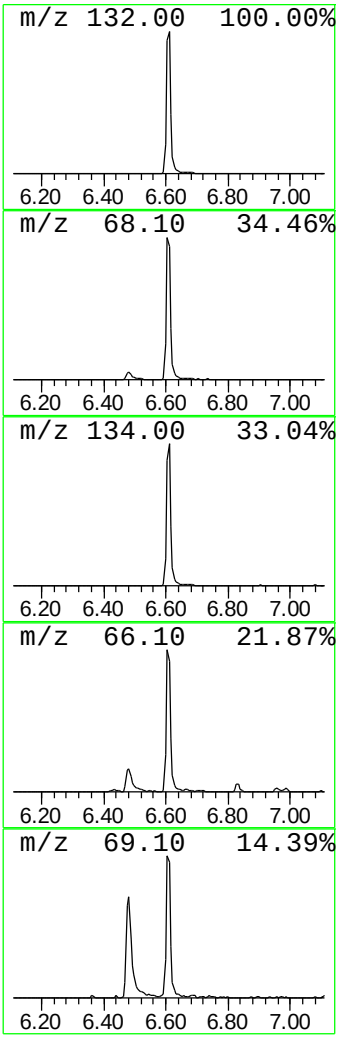
****

Peak Number 2 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	16.22 ng	688748	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	16
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020619\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-6A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

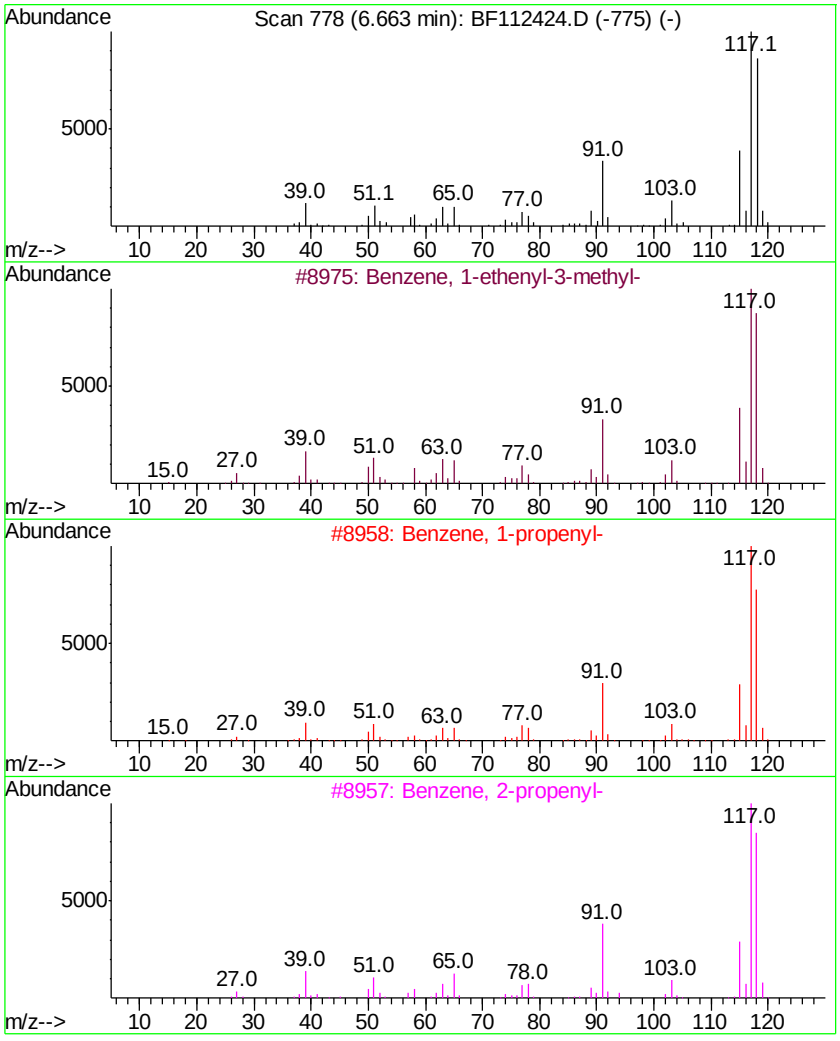
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

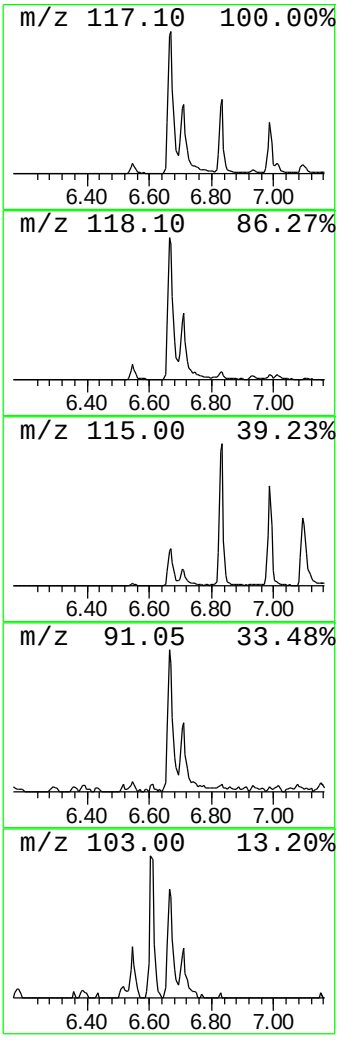
****

Peak Number 3 Benzene, 1-ethenyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	7.41 ng	314840	1,4-Dichlorobenzene-d4	6.83

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, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020619\
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Sample : K1379-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-6A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

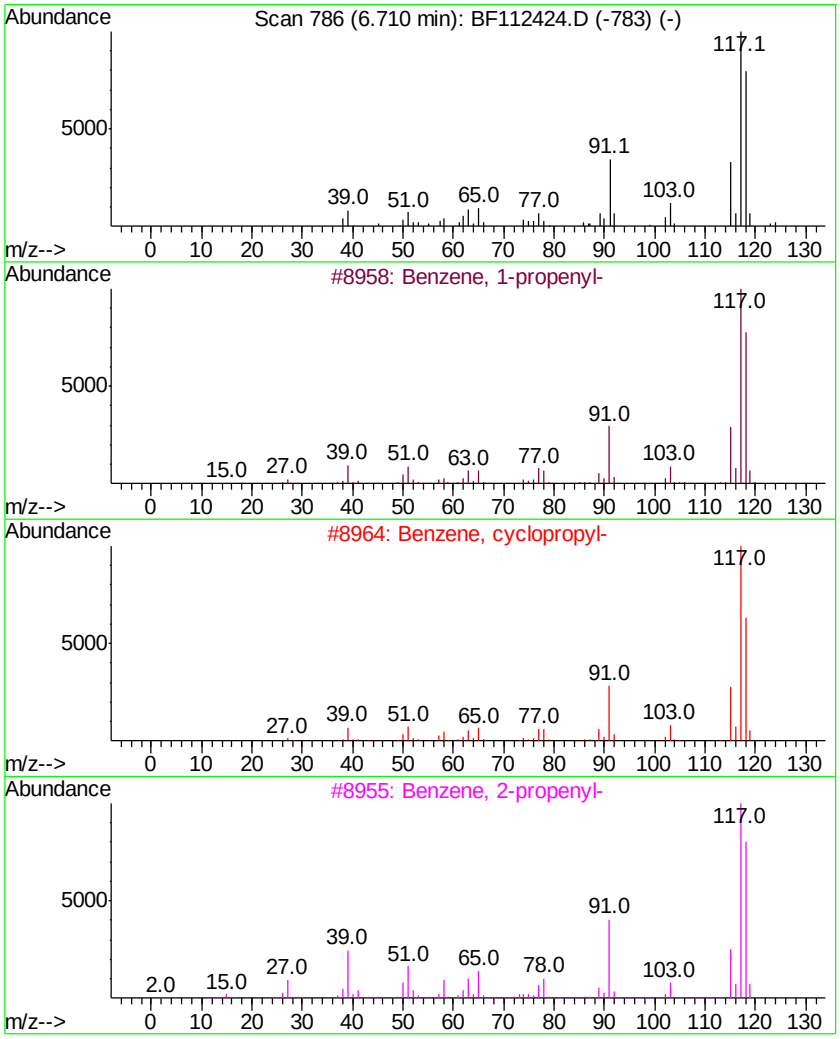
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

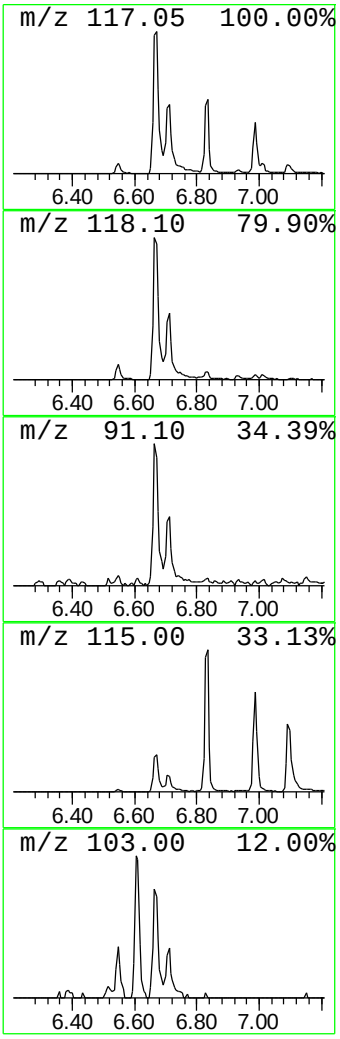
****

Peak Number 4 Benzene, 1-propenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	3.34 ng	141750	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	90
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	87
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	87





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Sample : K1379-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-6A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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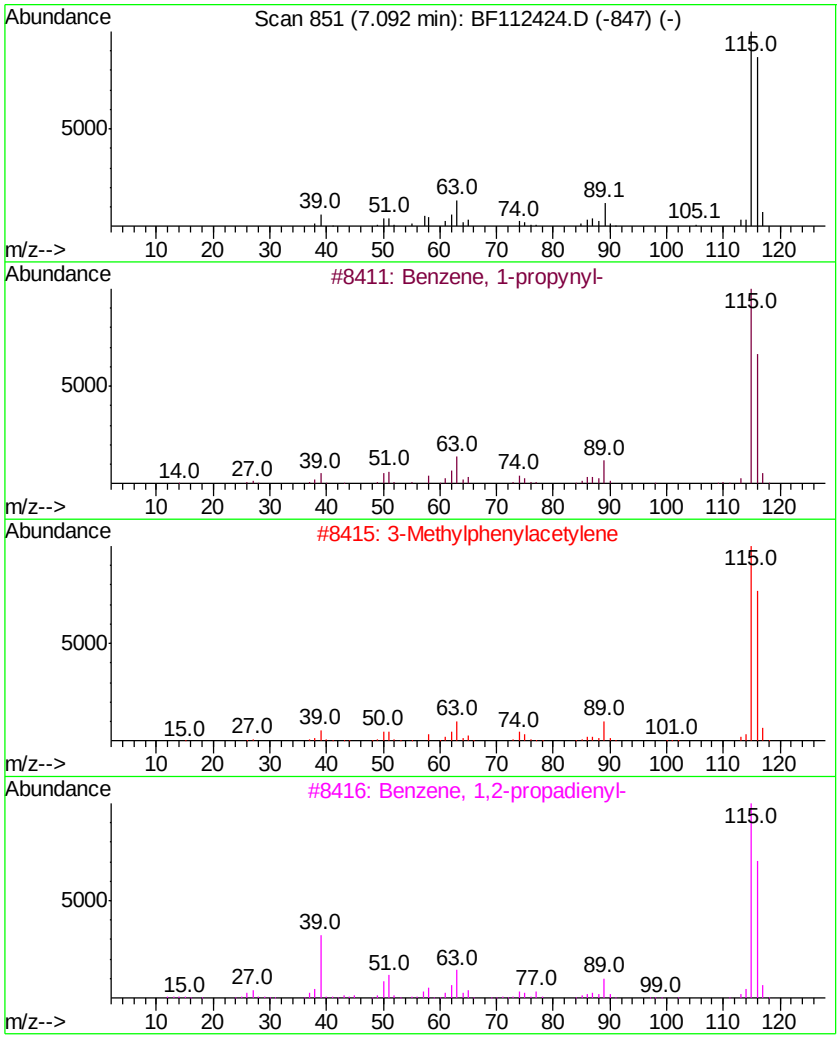
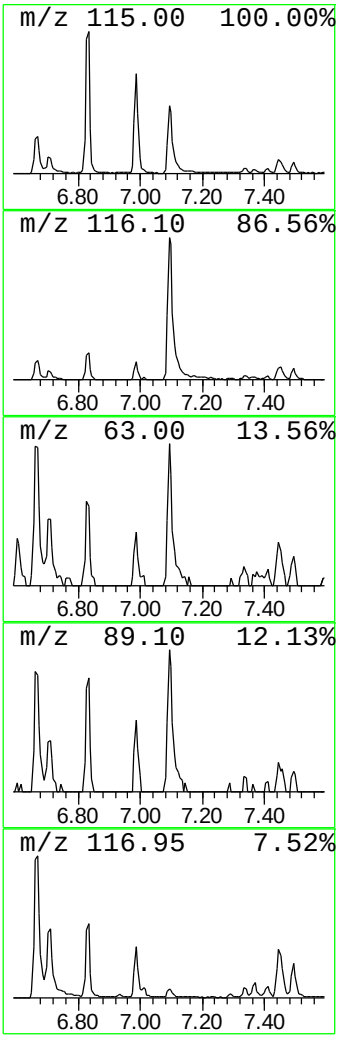
Peak Number 6 Benzene, 1-propynyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	3.85 ng	163409	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
3	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
4	2-Methylphenylacetylene	116	C9H8	000766-47-2	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020619\
Data File : BF112424.D
Acq On : 6 Feb 2019 17:10
Operator : JU/SJ
Sample : K1379-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-6A

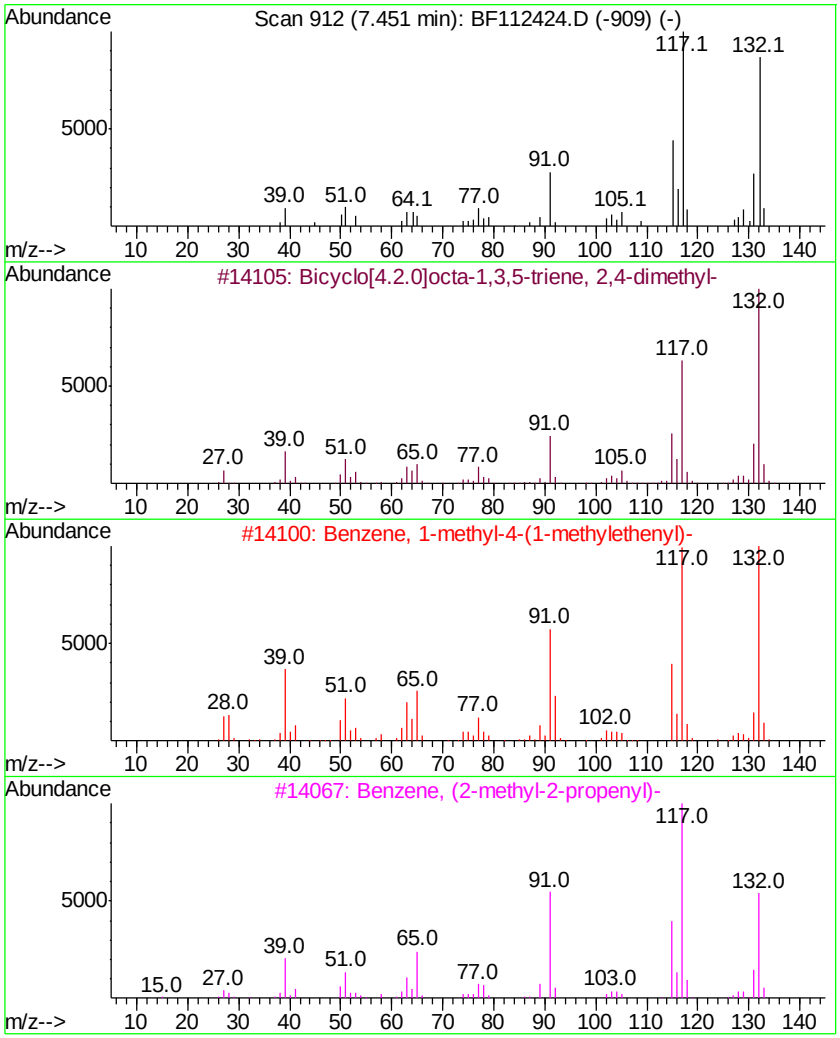
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

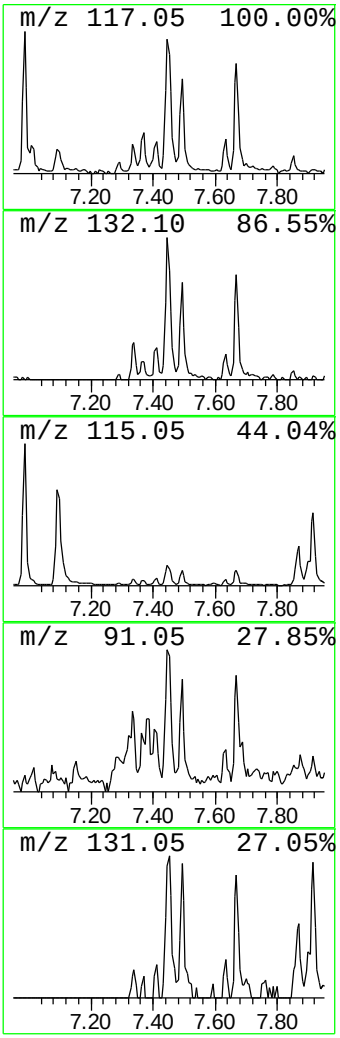
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	2.96 ng	125729	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	93
2	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	91
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91





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Acq On : 6 Feb 2019 17:10
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Sample : K1379-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : HR-6A

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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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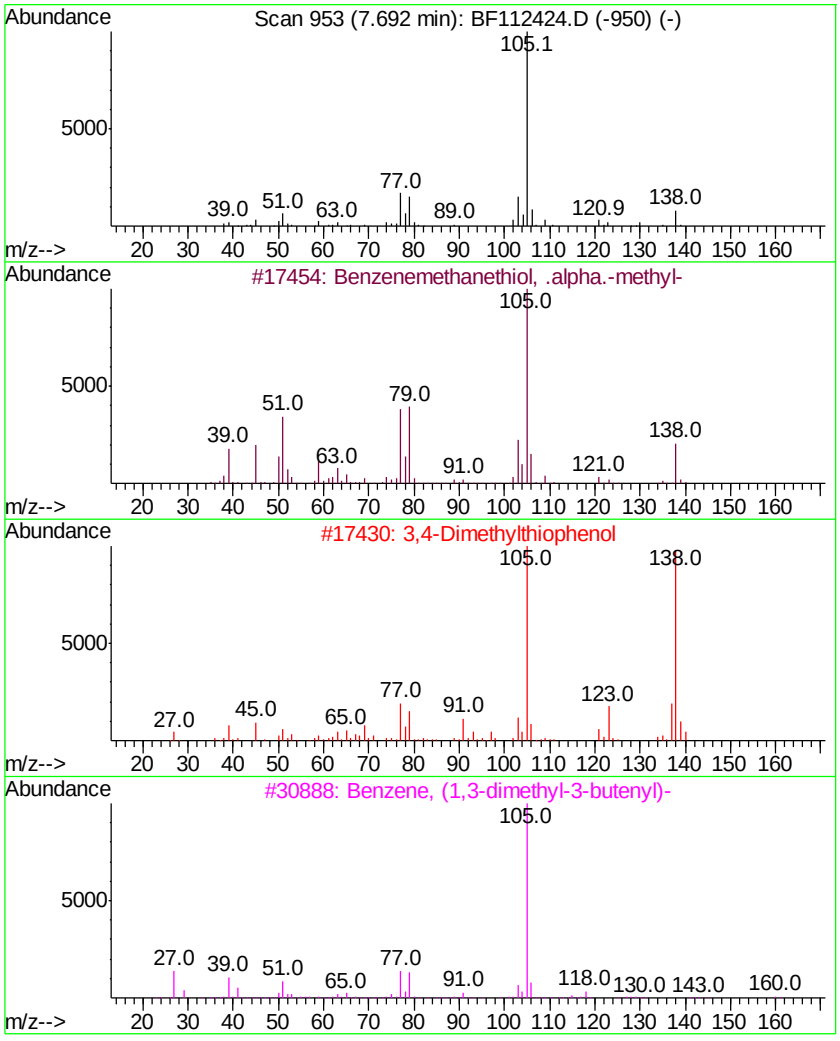
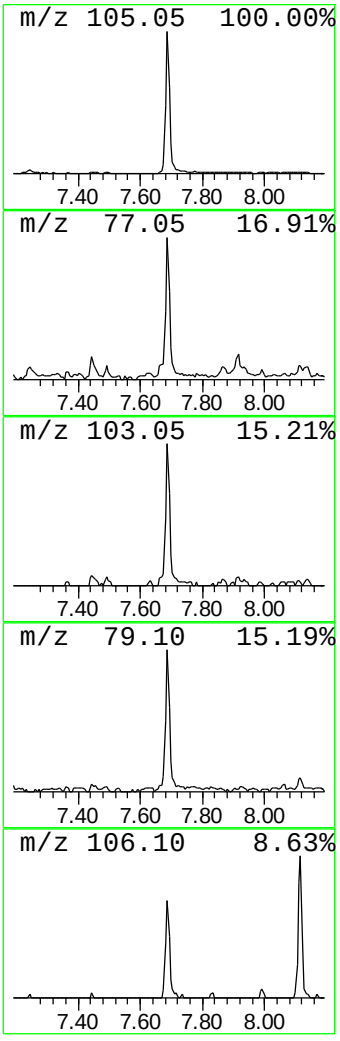
Peak Number 8 Benzenemethanethiol, .alpha... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	4.31 ng	245360	Naphthalene-d8	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	90
2	3,4-Dimethylthiophenol	138	C8H10S	018800-53-8	78
3	Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	64
4	3,5-Dimethylthiophenol	138	C8H10S	038360-81-5	64
5	2-Tolyloxirane	134	C9H10O	002783-26-8	64





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-6A

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

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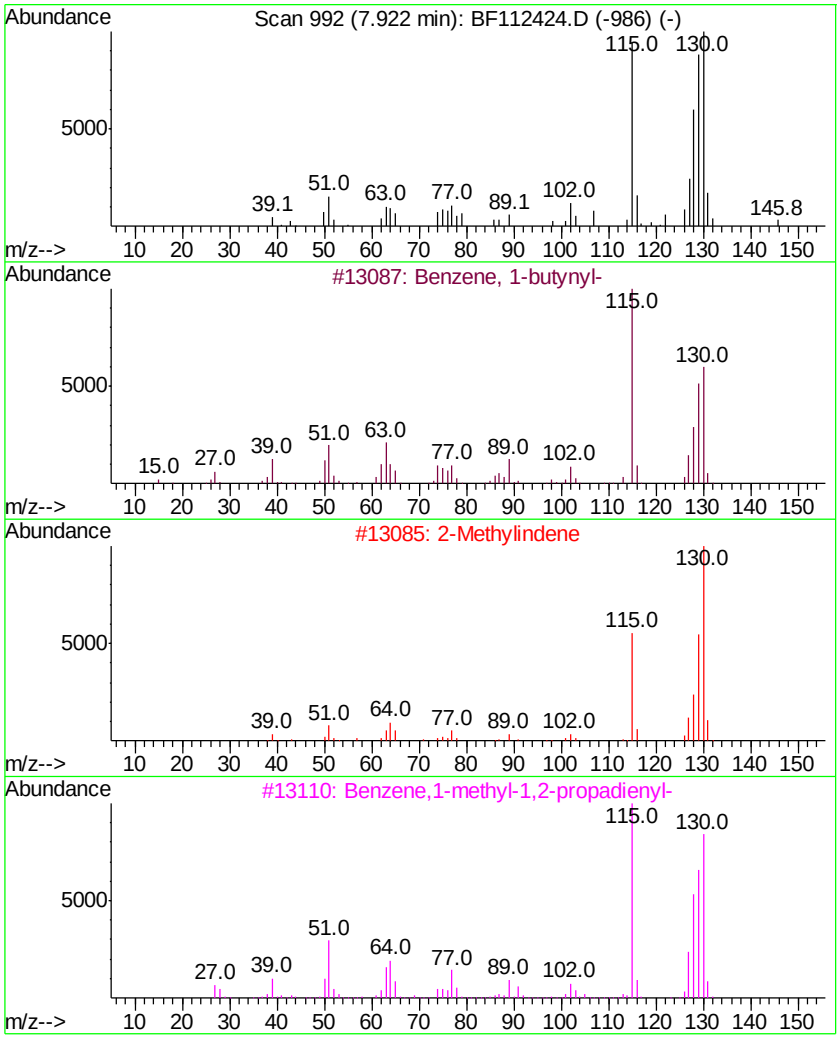
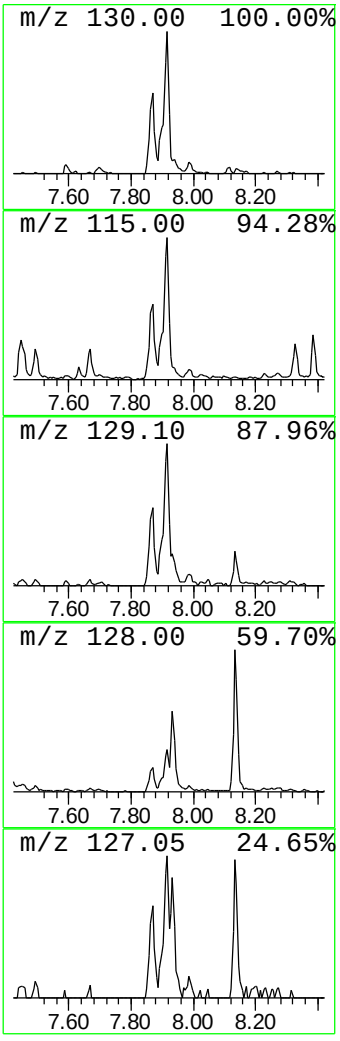
Peak Number 9 Benzene, 1-butynyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	3.73 ng	212691	Naphthalene-d8	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
2	2-Methylindene	130	C10H10	002177-47-1	95
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	91
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	91





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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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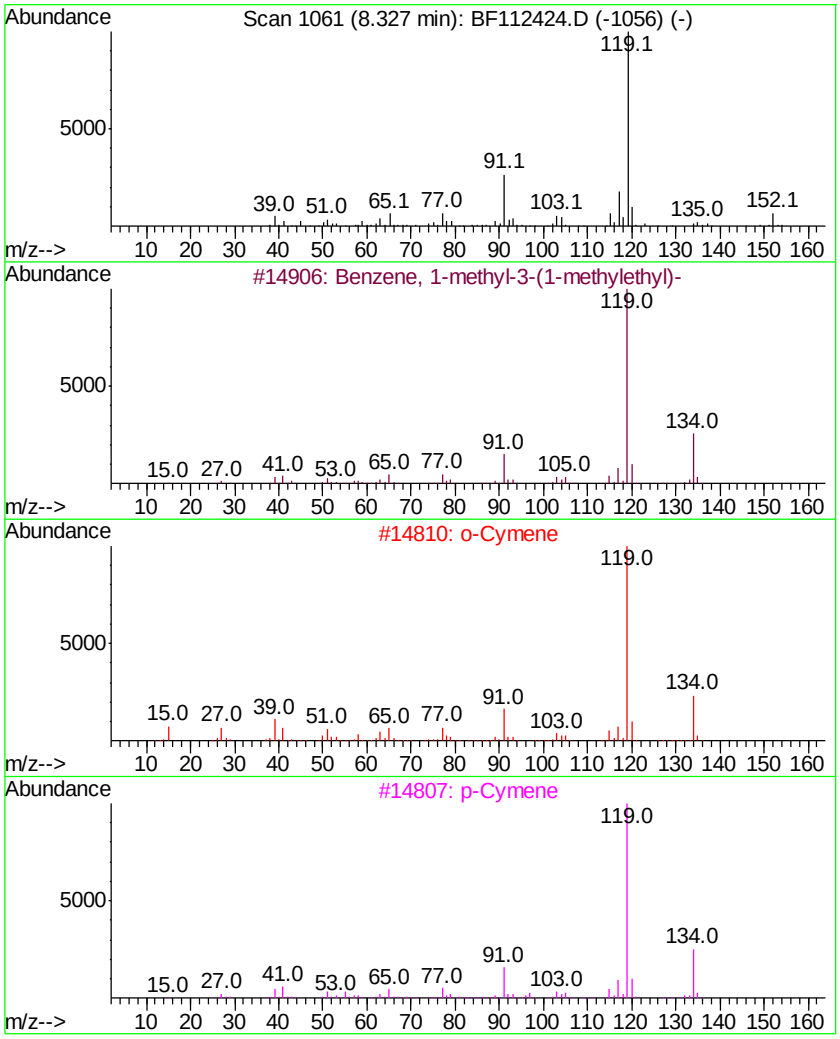
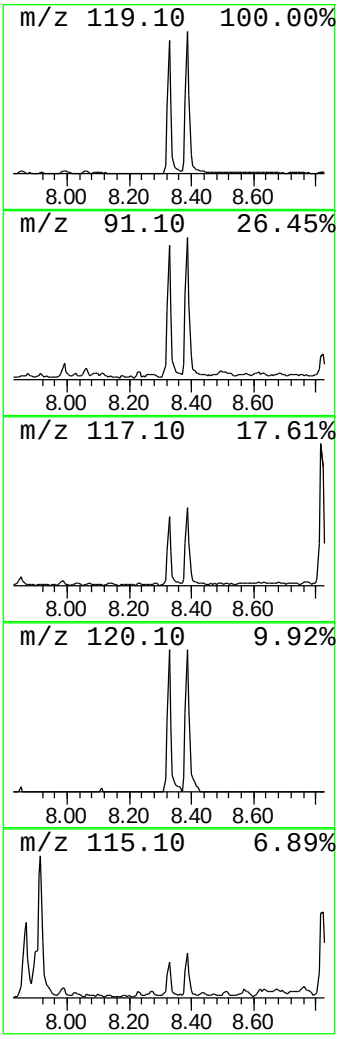
Peak Number 10 Benzene, 1-methyl-3-(1-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	4.65 ng	264784	Naphthalene-d8	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
2	o-Cymene	134	C10H14	000527-84-4	87
3	p-Cymene	134	C10H14	000099-87-6	86
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	80
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	80





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ClientSampleId : HR-6A

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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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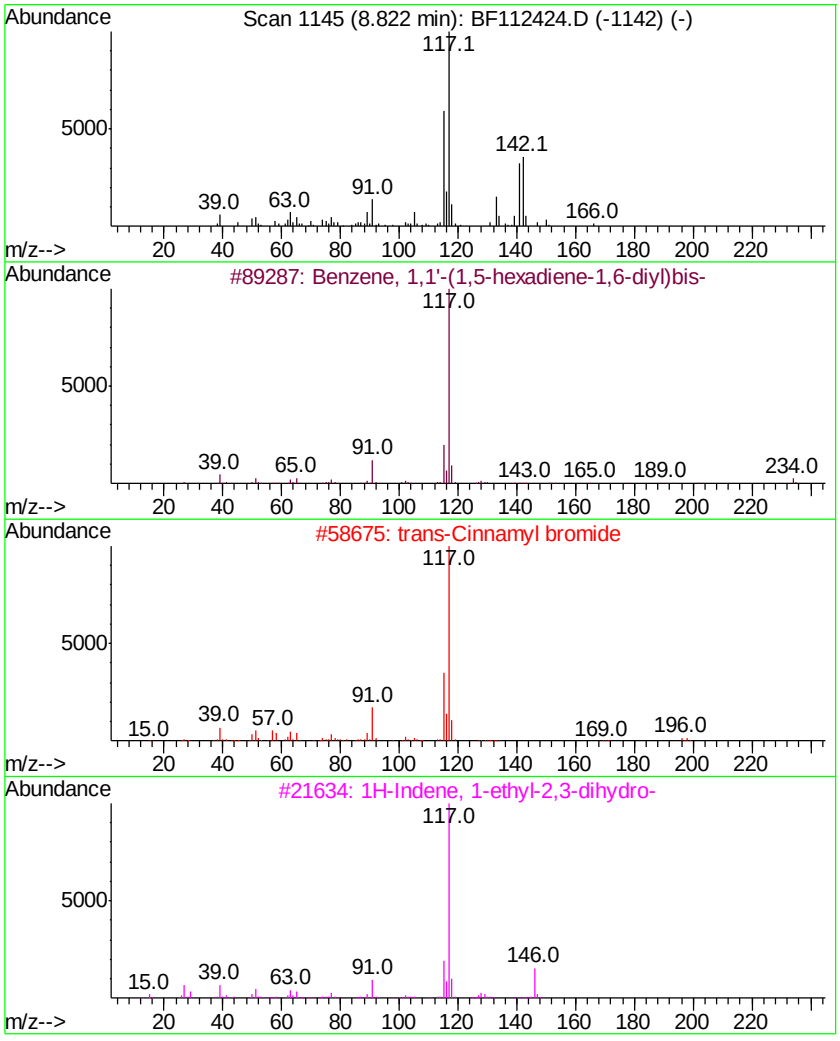
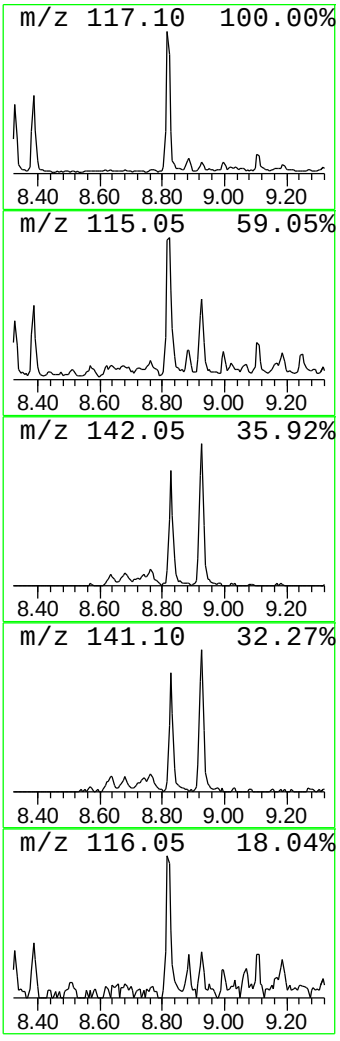
Peak Number 12 unknown8.82 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	3.08 ng	175477	Naphthalene-d8	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	43
2	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	43
3	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	43
4	Bicyclo[4.2.1]nona-2,4,7-triene,...	160	C11H12O	1000141-51-6	40
5	Bicyclo[4.2.1]nona-2,4,7-triene,...	274	C15H14Se	072065-50-0	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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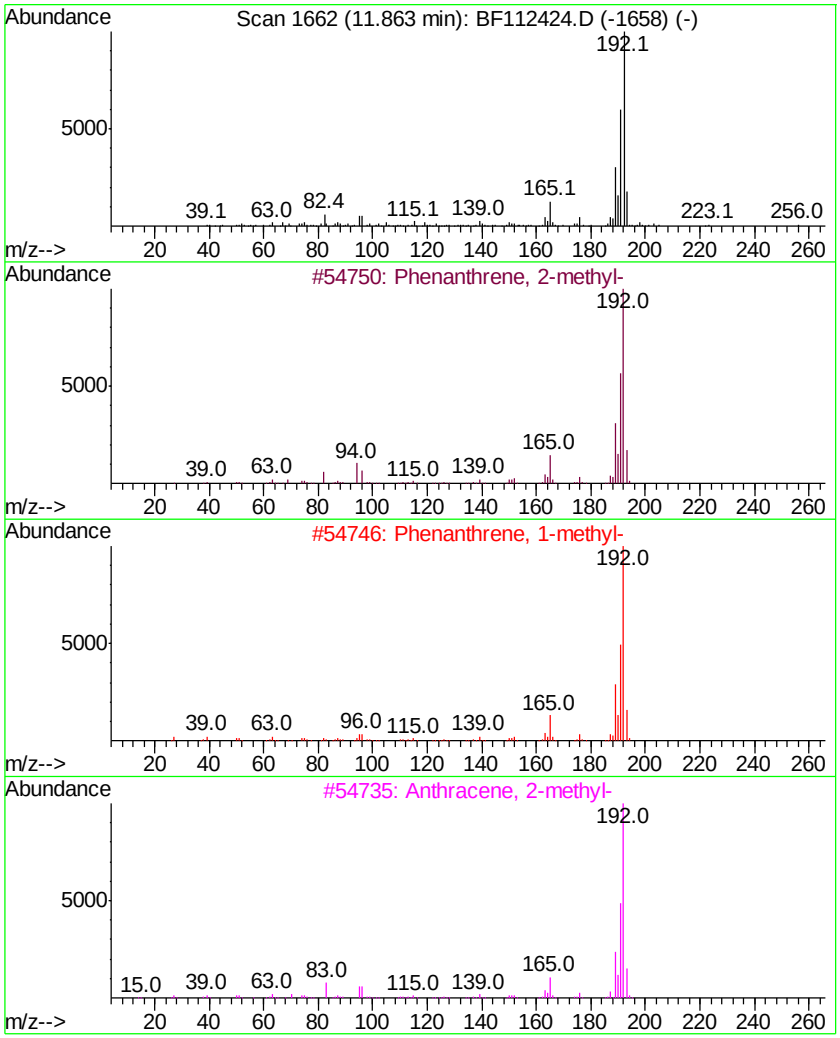
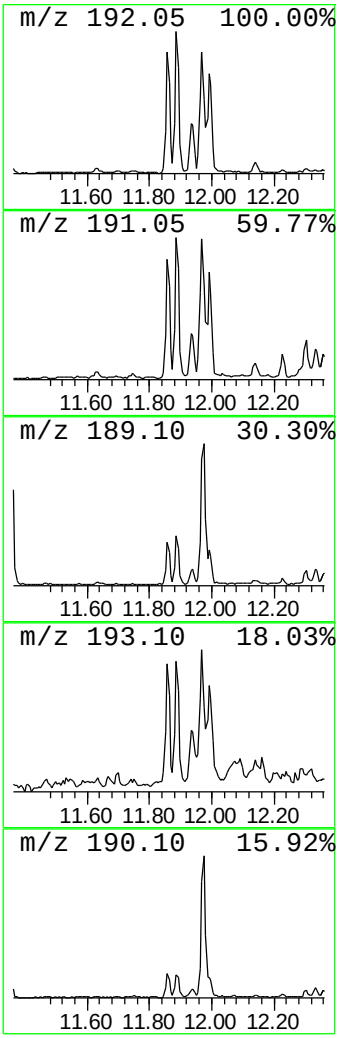
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	3.72 ng	195620	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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ClientSampleId : HR-6A

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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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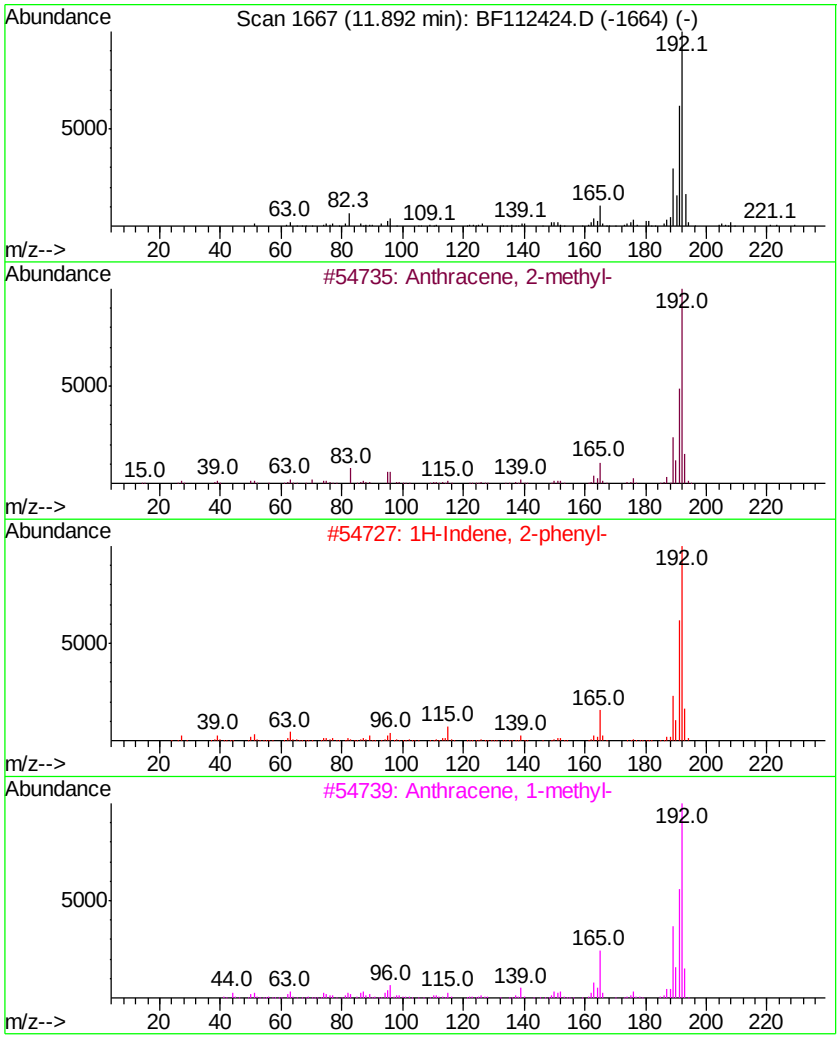
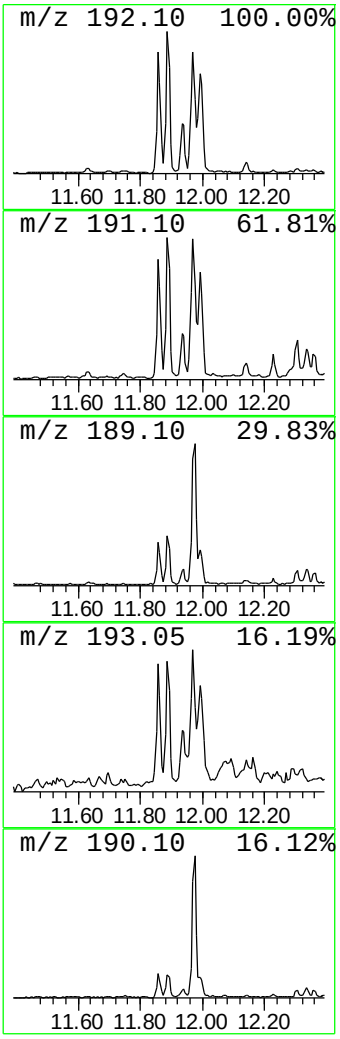
Peak Number 14 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	3.63 ng	190640	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Sample : K1379-01 5X
Misc :
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ClientSampleId : HR-6A

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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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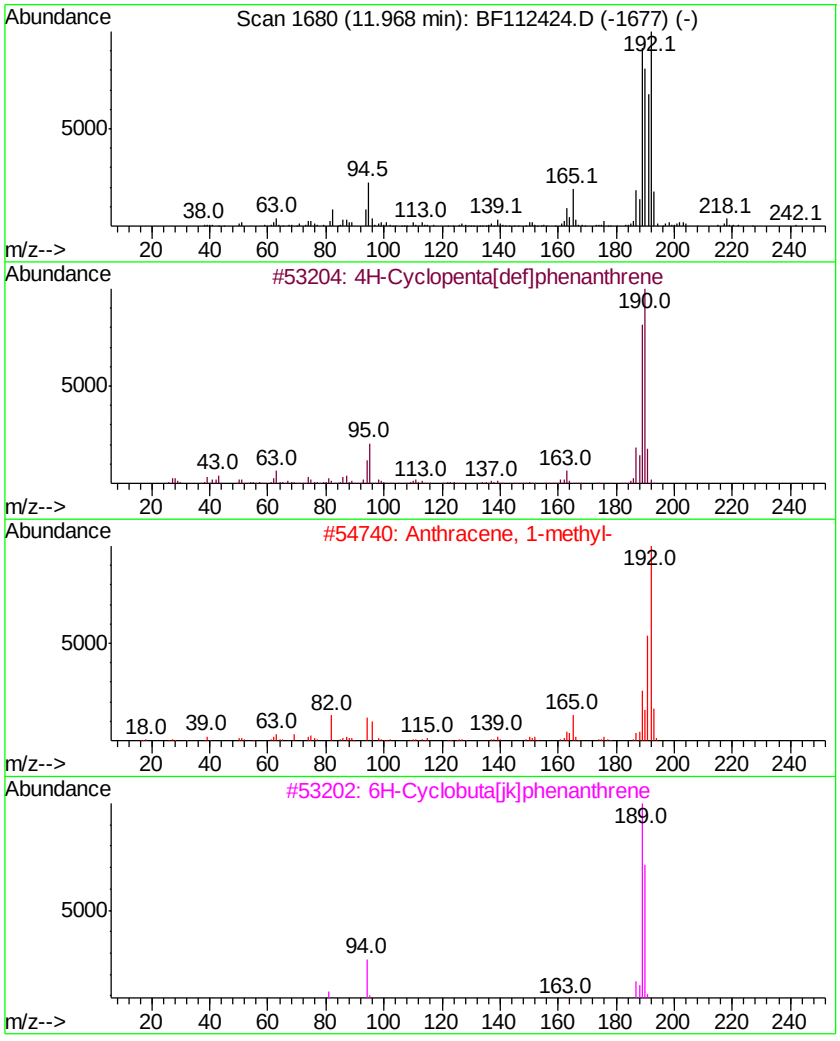
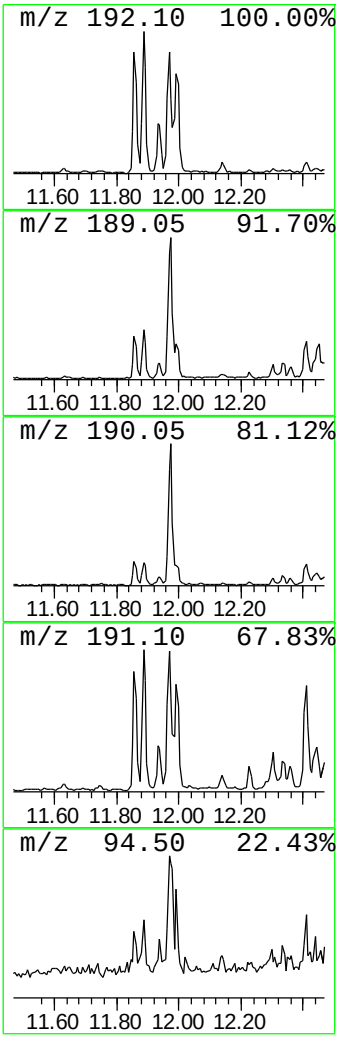
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	6.38 ng	335256	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46





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ClientSampleId : HR-6A

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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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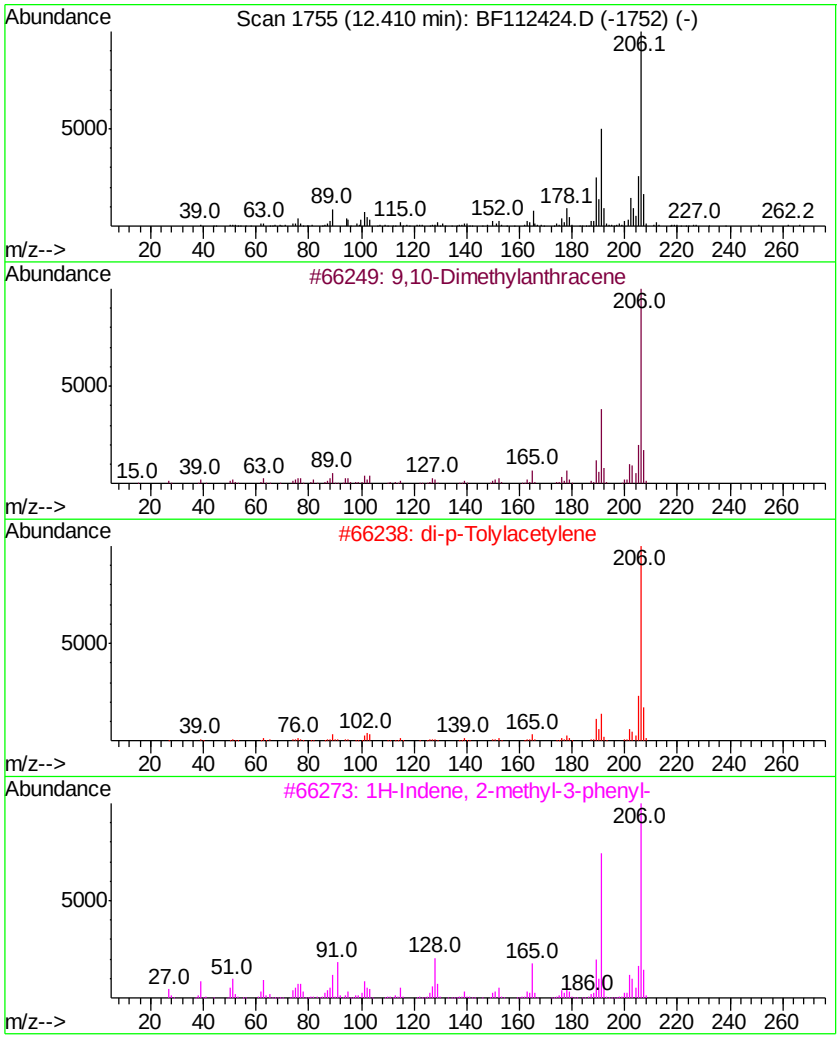
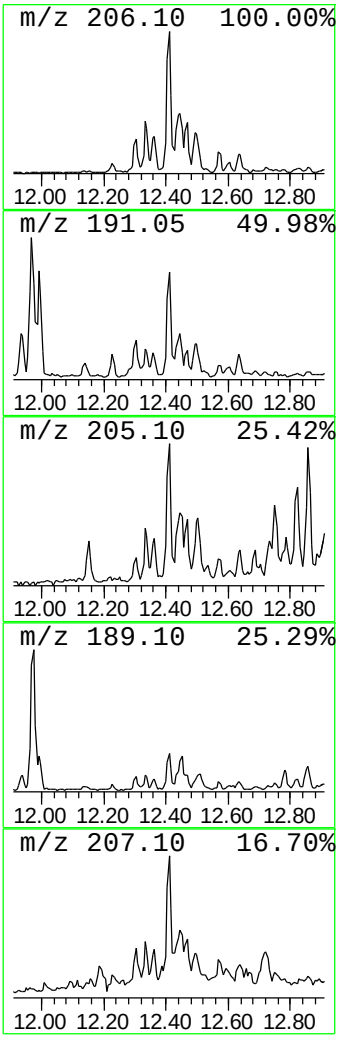
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	3.98 ng	208937	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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

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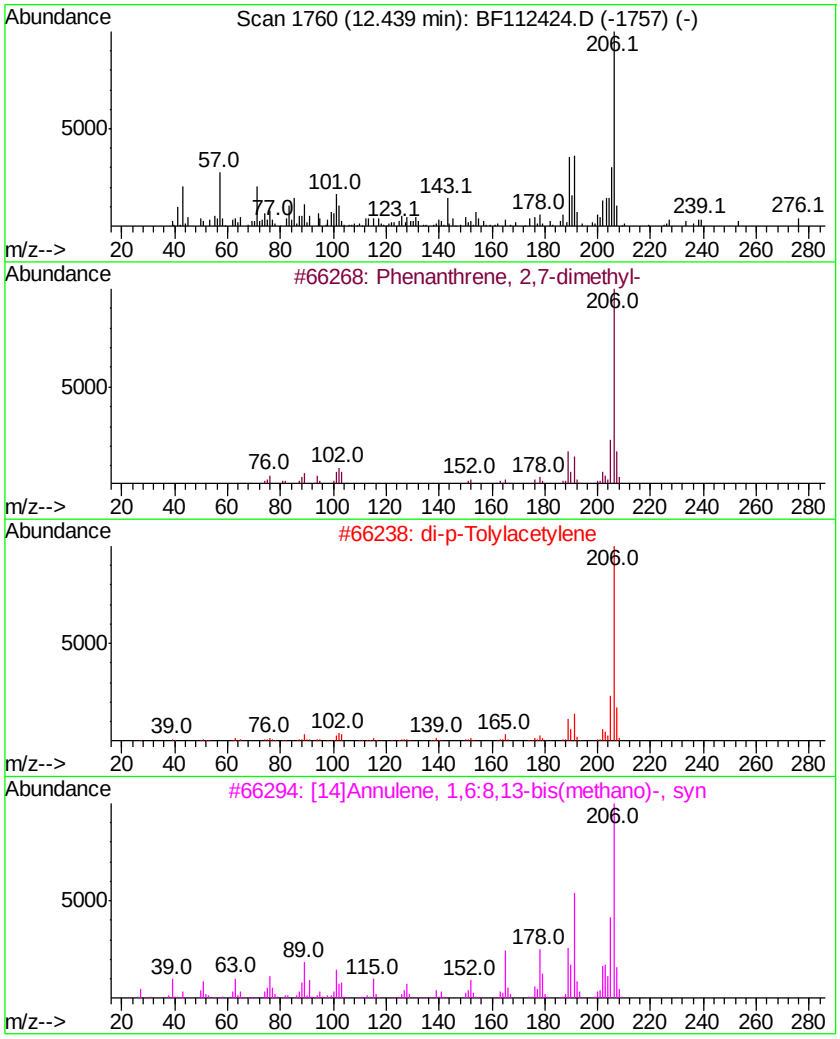
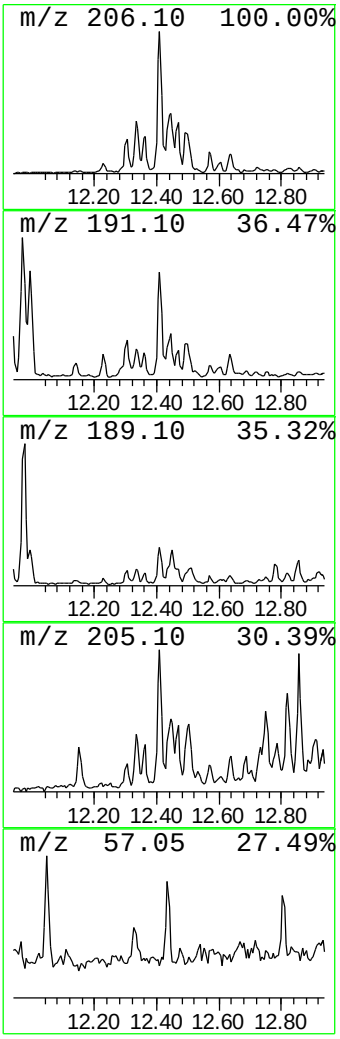
Peak Number 17 Phenanthrene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	2.92 ng	153575	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	58
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	52
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	49
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46





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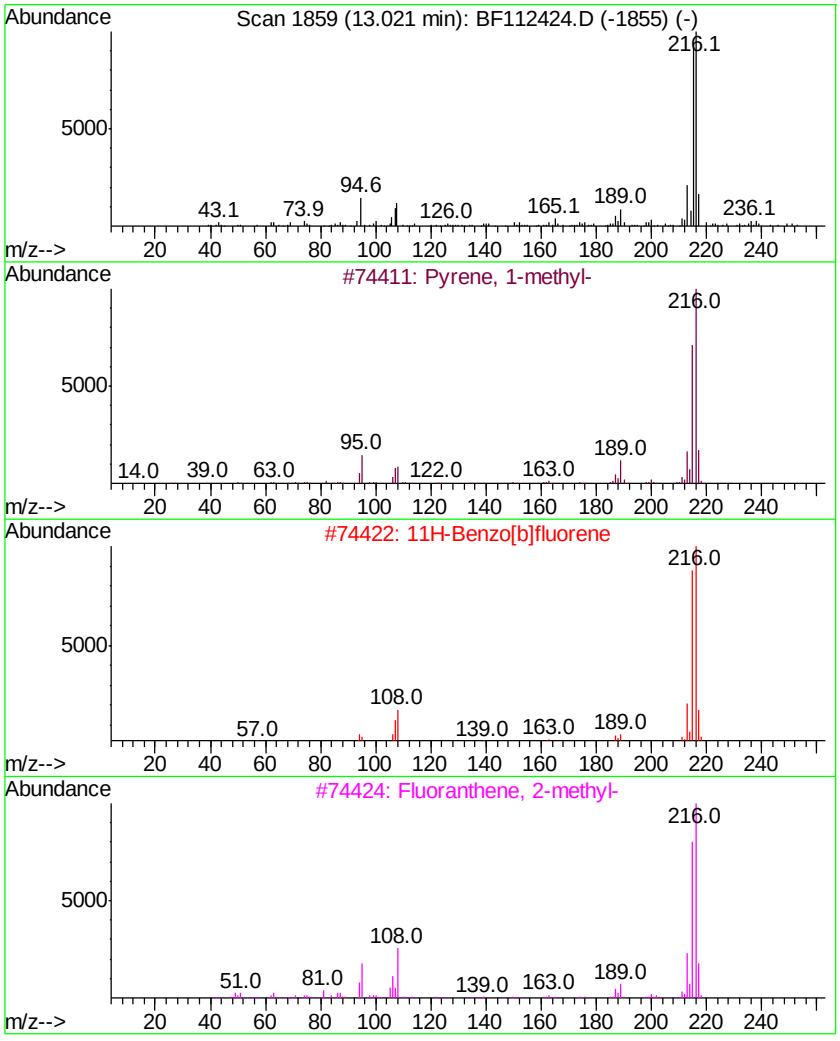
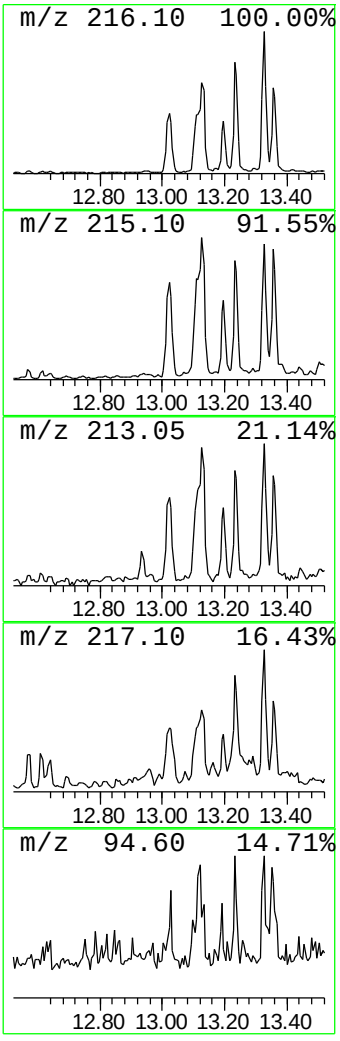
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	3.36 ng	248480	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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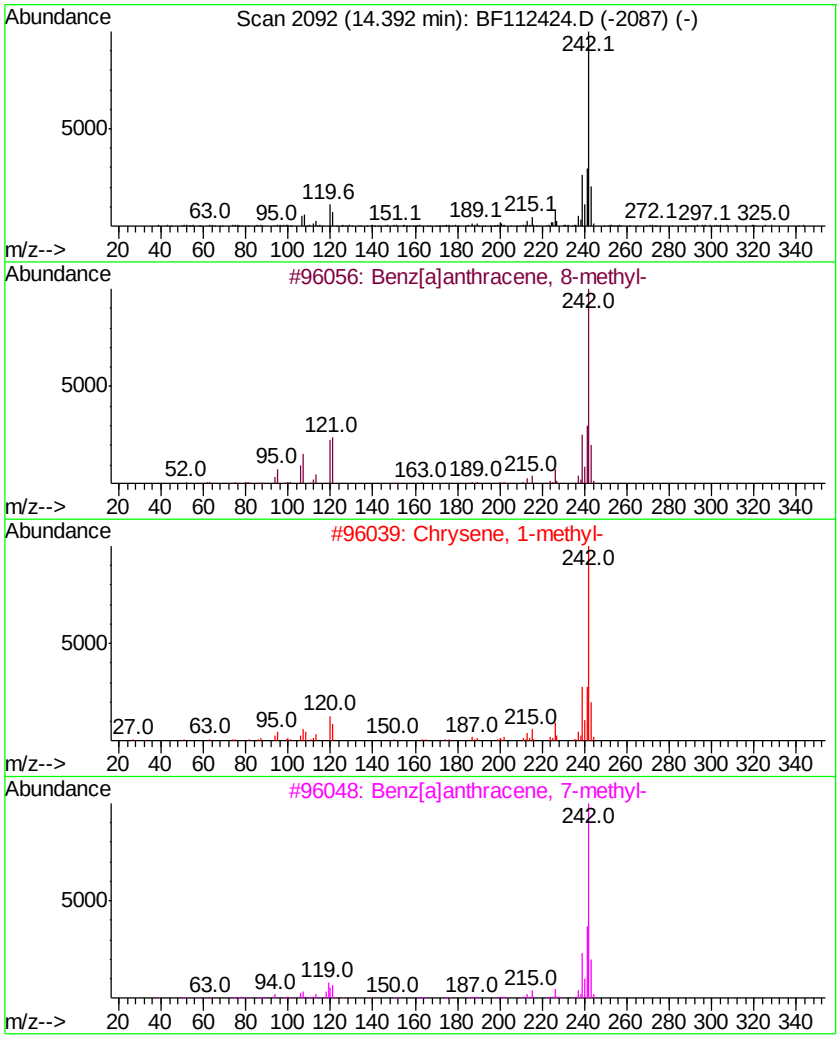
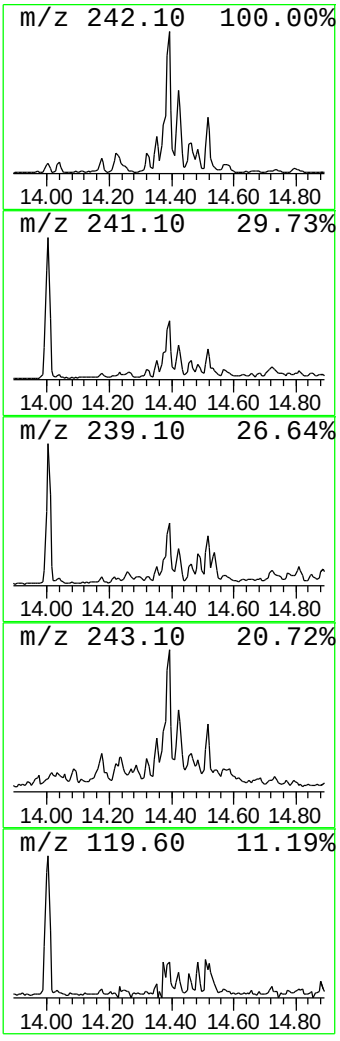
Peak Number 19 Benz[a]anthracene, 8-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	3.71 ng	273899	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
5	2-Methylchrysene	242	C19H14	003351-32-4	89





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Data File : BF112424.D
Acq On : 6 Feb 2019 17:10
Operator : JU/SJ
Sample : K1379-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-6A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

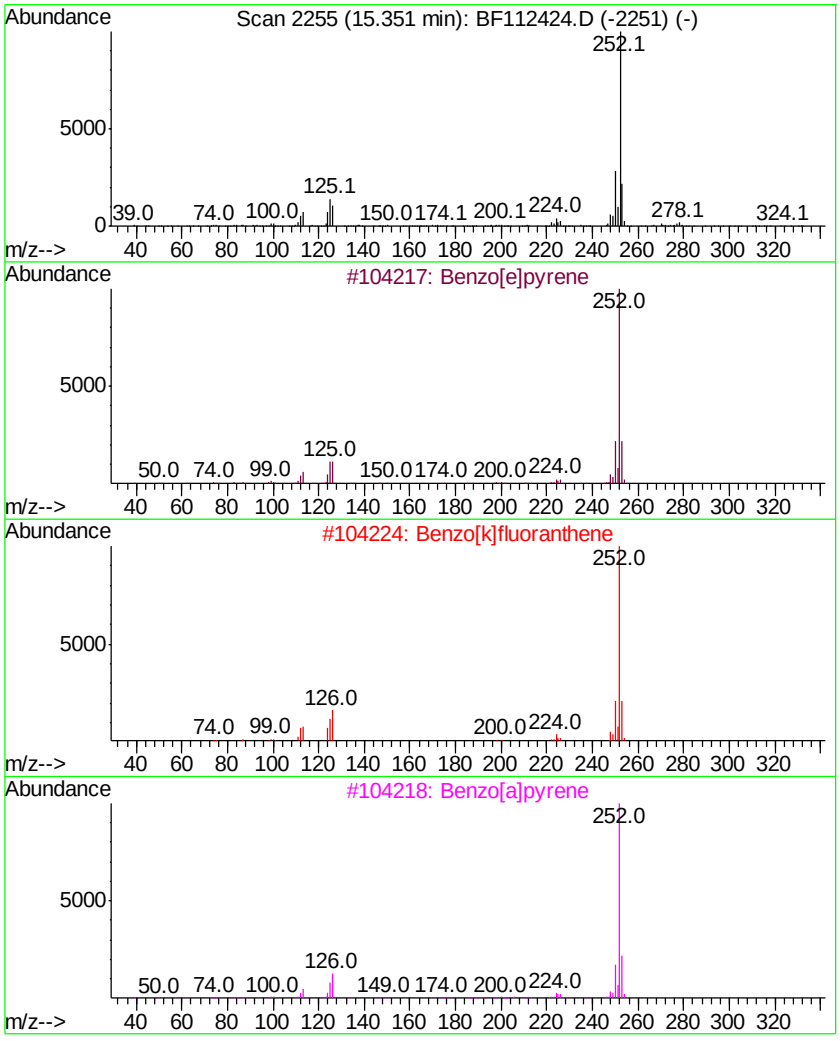
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

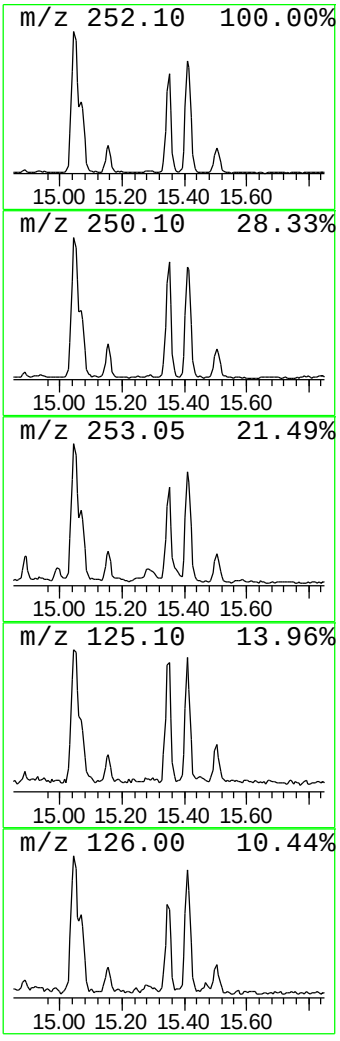
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	11.12 ng	425088	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020619\
Data File : BF112424.D
Acq On : 6 Feb 2019 17:10
Operator : JU/SJ
Sample : K1379-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-6A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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
unknown6.61	6.61	16.2	ng	688748	1	6.83	849365	20.0
Benzene, 1-etheny...	6.66	7.4	ng	314840	1	6.83	849365	20.0
Benzene, 1-propenyl-	6.71	3.3	ng	141750	1	6.83	849365	20.0
Benzene, 1-propynyl-	7.09	3.9	ng	163409	1	6.83	849365	20.0
Bicyclo[4.2.0]oct...	7.45	3.0	ng	125729	1	6.83	849365	20.0
Benzenemethanethi...	7.69	4.3	ng	245360	2	8.12	1139360	20.0
Benzene, 1-butynyl-	7.92	3.7	ng	212691	2	8.12	1139360	20.0
Benzene, 1-methyl...	8.33	4.7	ng	264784	2	8.12	1139360	20.0
unknown8.82	8.82	3.1	ng	175477	2	8.12	1139360	20.0
Phenanthrene, 2-m...	11.86	3.7	ng	195620	4	11.36	1050430	20.0
Anthracene, 2-met...	11.89	3.6	ng	190640	4	11.36	1050430	20.0
4H-Cyclopenta[def...	11.97	6.4	ng	335256	4	11.36	1050430	20.0
9,10-Dimethylanth...	12.41	4.0	ng	208937	4	11.36	1050430	20.0
Phenanthrene, 2,7...	12.44	2.9	ng	153575	4	11.36	1050430	20.0
Pyrene, 1-methyl-	13.02	3.4	ng	248480	5	14.00	1478040	20.0
Benz[a]anthracene...	14.39	3.7	ng	273899	5	14.00	1478040	20.0
Benzo[e]pyrene	15.35	11.1	ng	425088	6	15.47	764809	20.0