LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118078.D
Acq On : 3 Dec 2019 22:39
Operator : JU
Sample : K6024-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1-(0.5-1.0)

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-BF111319.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	2.151	5	11	22	rVB	571398	756999	17.33%	1.076%
2	5.087	505	510	519	rVB	460311	565514	12.95%	0.804%
3	5.492	575	579	582	rBV	2881390	2709246	62.02%	3.852%
4	6.504	746	751	754	rBV	2749128	2894600	66.27%	4.115%
5	6.645	771	775	778	rBV	3377714	3112988	71.27%	4.426%
6	6.875	811	814	818	rBV	1034144	833887	19.09%	1.186%
7	7.033	837	841	844	rBV	2917769	2407524	55.12%	3.423%
8	7.439	905	910	913	rBV	2082172	1830639	41.91%	2.603%
9	8.163	1029	1033	1035	rBV	1300866	1049743	24.03%	1.492%
10	8.186	1035	1037	1040	rVB	183037	148978	3.41%	0.212%
11	8.874	1152	1154	1158	rVB	100653	88422	2.02%	0.126%
12	8.975	1168	1171	1175	rVB	107297	93309	2.14%	0.133%
13	9.245	1212	1217	1220	rBV	3548591	3359000	76.90%	4.776%
14	9.510	1256	1262	1265	rBV	56227	78805	1.80%	0.112%
15	9.580	1270	1274	1276	rBV	130124	123793	2.83%	0.176%
16	9.633	1280	1283	1288	rVB	600816	495008	11.33%	0.704%
17	9.698	1291	1294	1296	rBV2	62070	53253	1.22%	0.076%
18	9.786	1305	1309	1313	rBV	332426	282541	6.47%	0.402%
19	9.839	1313	1318	1323	rVB4	28601	57538	1.32%	0.082%
20	9.927	1326	1333	1336	rBV	1390802	1261520	28.88%	1.794%
21	9.957	1336	1338	1341	rVB	324875	244142	5.59%	0.347%
22	10.080	1355	1359	1363	rBV3	35879	52814	1.21%	0.075%
23	10.127	1363	1367	1371	rVV	286642	275807	6.31%	0.392%
24	10.169	1371	1374	1378	rVB	67350	62344	1.43%	0.089%
25	10.245	1383	1387	1389	rBV3	75551	89479	2.05%	0.127%
26	10.333	1398	1402	1404	rBV3	75819	86066	1.97%	0.122%
27	10.474	1423	1426	1431	rVB	343276	304715	6.98%	0.433%
28	10.633	1450	1453	1456	rVB	149746	129324	2.96%	0.184%
29	10.716	1463	1467	1471	rBV	2493527	2402070	54.99%	3.415%
30	10.839	1484	1488	1492	rBV2	126110	153467	3.51%	0.218%
31	11.027	1514	1520	1522	rBV4	103958	149126	3.41%	0.212%
32	11.151	1539	1541	1543	rBV2	101926	85682	1.96%	0.122%
33	11.174	1543	1545	1547	rVV2	100813	73355	1.68%	0.104%
34	11.221	1550	1553	1557	rVB	334046	262743	6.02%	0.374%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
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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-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.274	1558	1562	1565	rBV3	331876	373913	8.56%	0.532%
36	11.316	1566	1569	1571	rBV	235880	182951	4.19%	0.260%
37	11.421	1583	1587	1589	rBV	1276279	1280988	29.33%	1.821%
38	11.445	1589	1591	1594	rVV	3561143	3227174	73.88%	4.588%
39	11.498	1594	1600	1602	rVV	832165	781151	17.88%	1.111%
40	11.527	1602	1605	1608	rVV2	114601	115894	2.65%	0.165%
41	11.651	1621	1626	1632	rBV2	334137	449288	10.29%	0.639%
42	11.716	1634	1637	1640	rVV3	132839	139373	3.19%	0.198%
43	11.751	1641	1643	1648	rVB3	124601	123501	2.83%	0.176%
44	11.874	1662	1664	1666	rBV	87375	68292	1.56%	0.097%
45	11.921	1669	1672	1674	rBV	514971	455634	10.43%	0.648%
46	11.951	1674	1677	1680	rVB2	1066326	1037219	23.75%	1.475%
47	11.998	1683	1685	1688	rVB	231623	163293	3.74%	0.232%
48	12.033	1688	1691	1694	rBV2	657742	749146	17.15%	1.065%
49	12.221	1720	1723	1725	rBV	395324	321915	7.37%	0.458%
50	12.245	1725	1727	1730	rVB	390866	325628	7.45%	0.463%
51	12.368	1746	1748	1751	rVB2	115344	84059	1.92%	0.120%
52	12.398	1751	1753	1756	rBV	142964	129898	2.97%	0.185%
53	12.474	1763	1766	1769	rBV	290286	338793	7.76%	0.482%
54	12.510	1770	1772	1775	rVV2	197363	266307	6.10%	0.379%
55	12.563	1778	1781	1786	rVB	361932	374404	8.57%	0.532%
56	12.645	1791	1795	1798	rVB	4191466	4113774	94.18%	5.849%
57	12.733	1807	1810	1813	rBV	532183	436765	10.00%	0.621%
58	12.880	1828	1835	1839	rBV2	3527853	4368052	100.00%	6.210%
59	12.921	1839	1842	1846	rVB2	189060	242855	5.56%	0.345%
60	12.986	1851	1853	1854	rVV2	256204	205745	4.71%	0.293%
61	13.010	1854	1857	1864	rVB	2805091	2899327	66.38%	4.122%
62	13.092	1866	1871	1874	rBV2	303219	529991	12.13%	0.753%
63	13.174	1882	1885	1886	rBV3	251348	242101	5.54%	0.344%
64	13.198	1887	1889	1892	rVB	424017	370427	8.48%	0.527%
65	13.268	1898	1901	1903	rBV	170928	150350	3.44%	0.214%
66	13.304	1904	1907	1910	rVB2	415189	404059	9.25%	0.574%
67	13.398	1921	1923	1925	rVB	245527	174306	3.99%	0.248%
68	13.427	1926	1928	1931	rVV2	238449	206426	4.73%	0.293%
69	13.709	1973	1976	1980	rVB	443547	395947	9.06%	0.563%
70	13.821	1992	1995	1998	rBV2	269976	351706	8.05%	0.500%
71	13.851	1998	2000	2002	rVV	379982	312091	7.14%	0.444%

LSC Area Percent Report

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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.874	2002	2004	2008	rVV2	323510	516696	11.83%	0.735%
73	13.915	2008	2011	2018	rVB3	644084	770674	17.64%	1.096%
74	14.068	2031	2037	2041	rBV3	2290984	3610832	82.66%	5.134%
75	14.104	2041	2043	2048	rVB	1876933	1546699	35.41%	2.199%
76	14.180	2054	2056	2058	rBV	201314	143428	3.28%	0.204%
77	14.462	2101	2104	2107	rVB	406519	363629	8.32%	0.517%
78	14.586	2123	2125	2127	rBV	222530	184038	4.21%	0.262%
79	15.139	2214	2219	2222	rBV	1641519	2707598	61.99%	3.849%
80	15.245	2234	2237	2240	rVB	362896	355430	8.14%	0.505%
81	15.451	2268	2272	2278	rVB	1042594	1444321	33.07%	2.053%
82	15.515	2278	2283	2288	rBV	1530853	2006543	45.94%	2.853%
83	15.580	2290	2294	2297	rBV	766065	1105828	25.32%	1.572%
84	17.098	2546	2552	2559	rVB3	713946	1474978	33.77%	2.097%
85	17.556	2624	2630	2639	rVB	516089	1139357	26.08%	1.620%

Sum of corrected areas: 70337235

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
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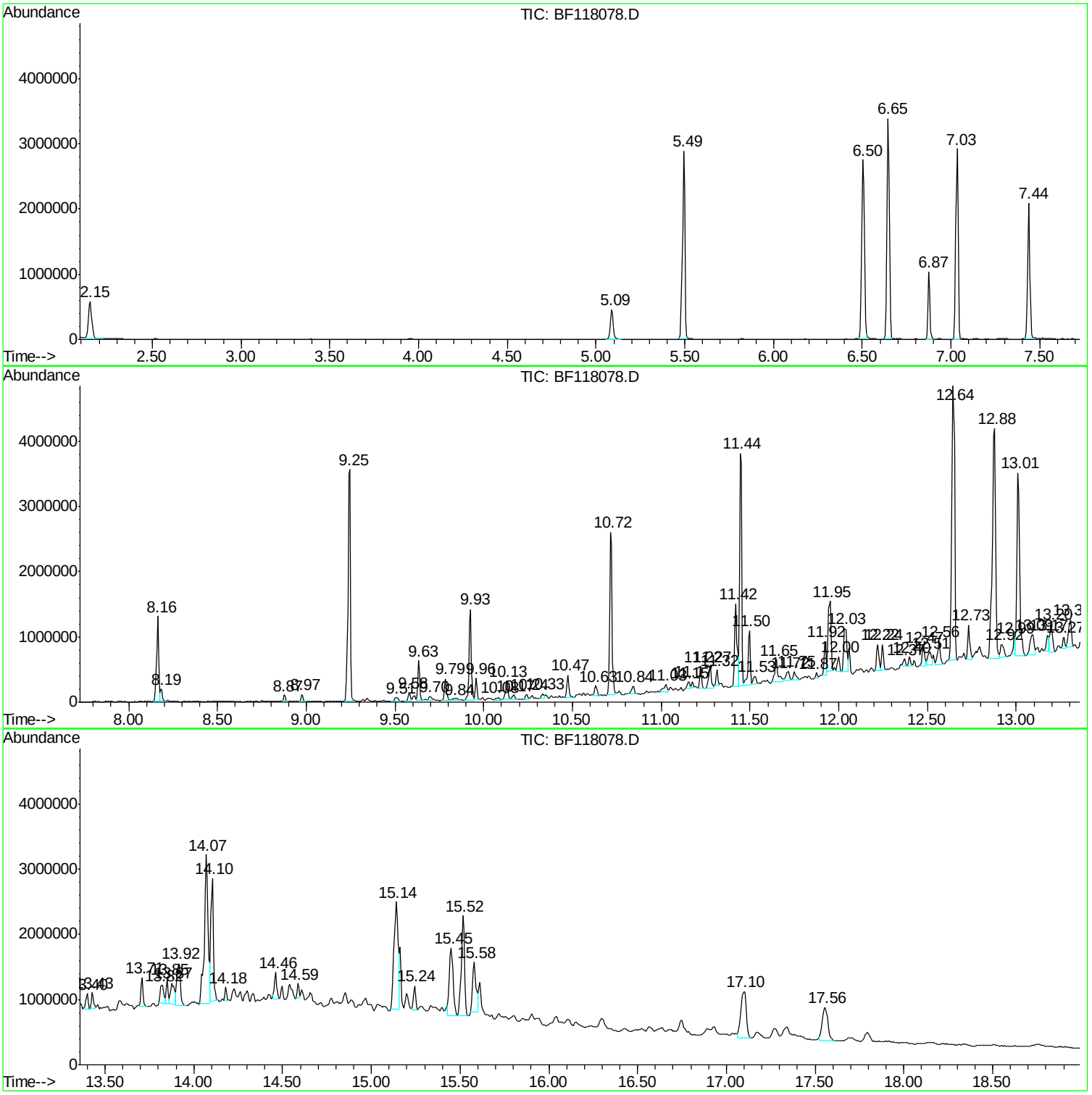
Sample : K6024-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-1-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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\BF120319\
Data File : BF118078.D
Acq On : 3 Dec 2019 22:39
Operator : JU
Sample : K6024-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

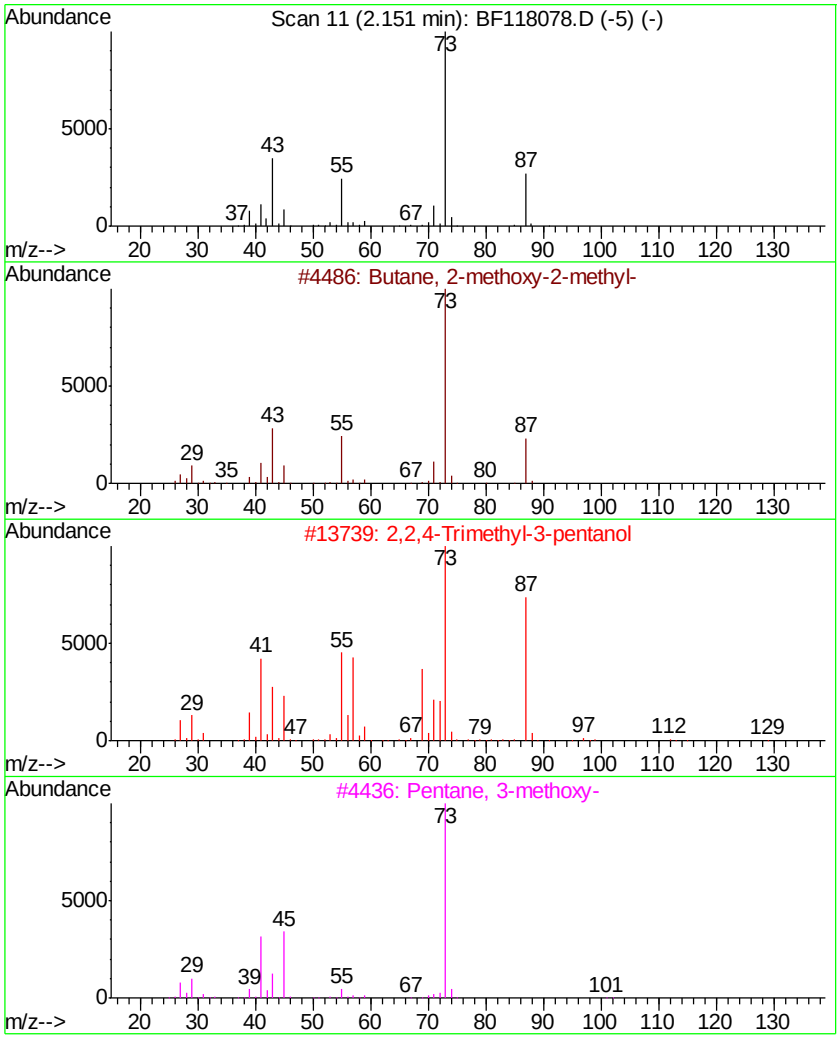
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

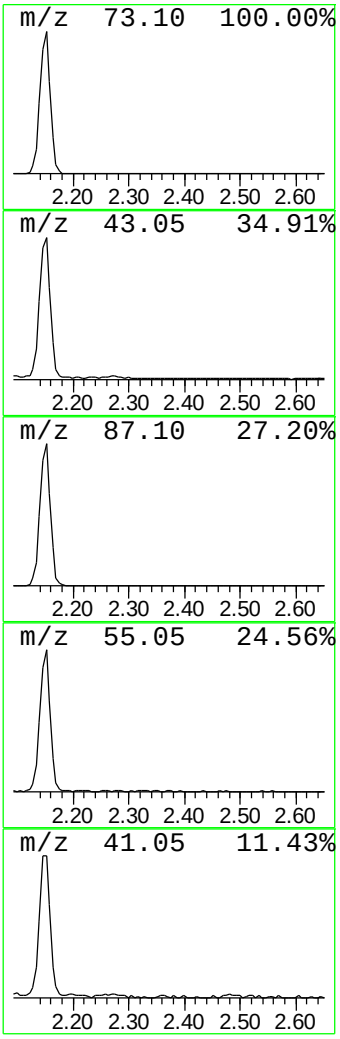
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	18.16 ng	756999	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118078.D
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Sample : K6024-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

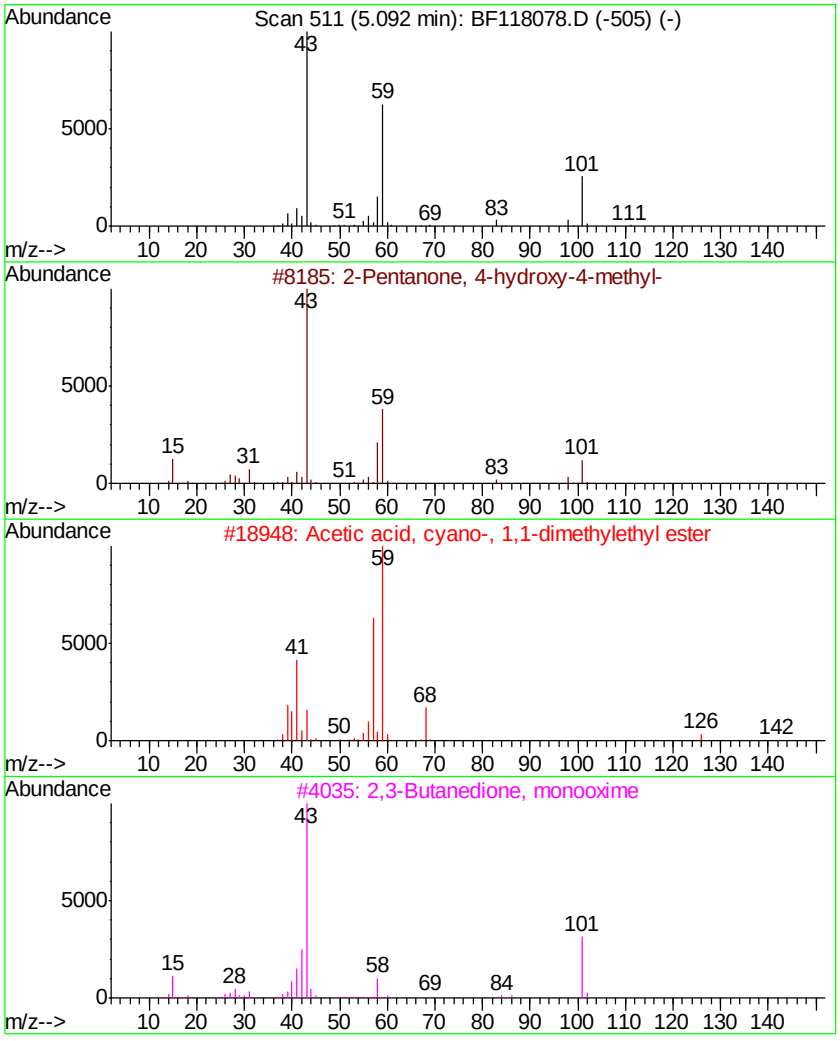
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

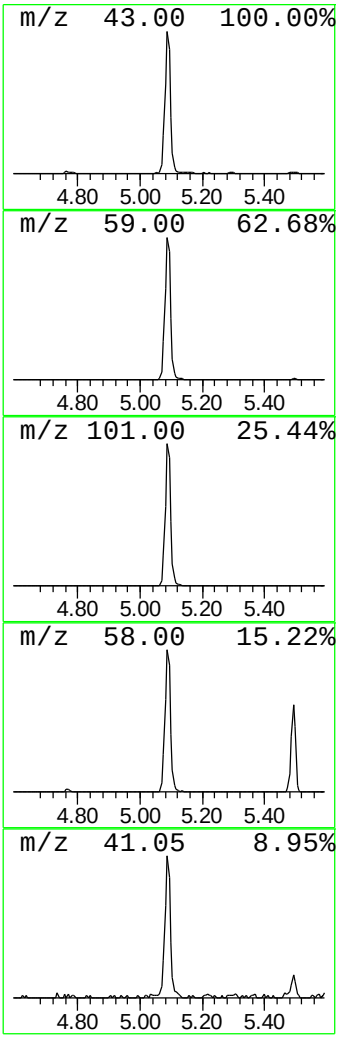
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	13.56 ng	565514	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	23
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : B-1-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

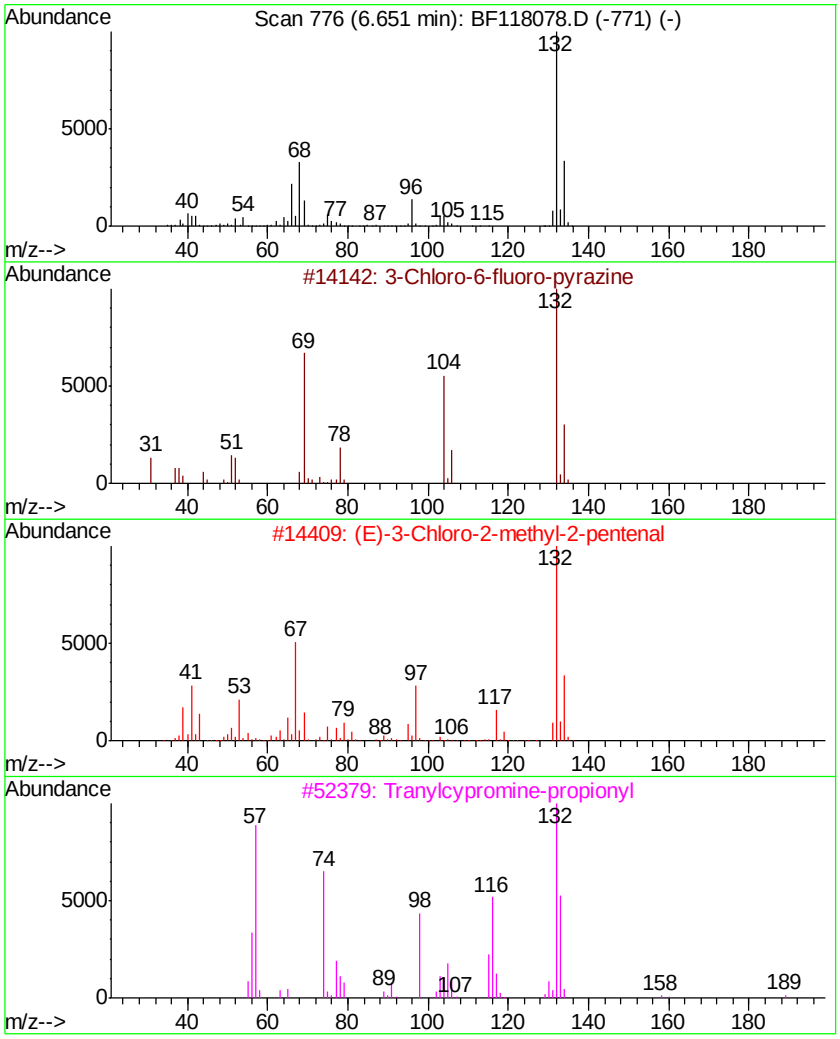
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

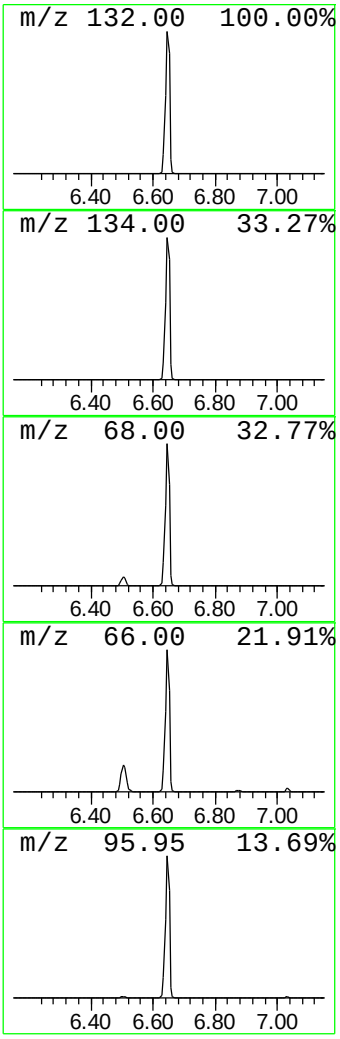
****

Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	74.66 ng	3112990	1,4-Dichlorobenzene-d4	6.87

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	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





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Misc :
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Instrument : BNA_F
ClientSampleId : B-1-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
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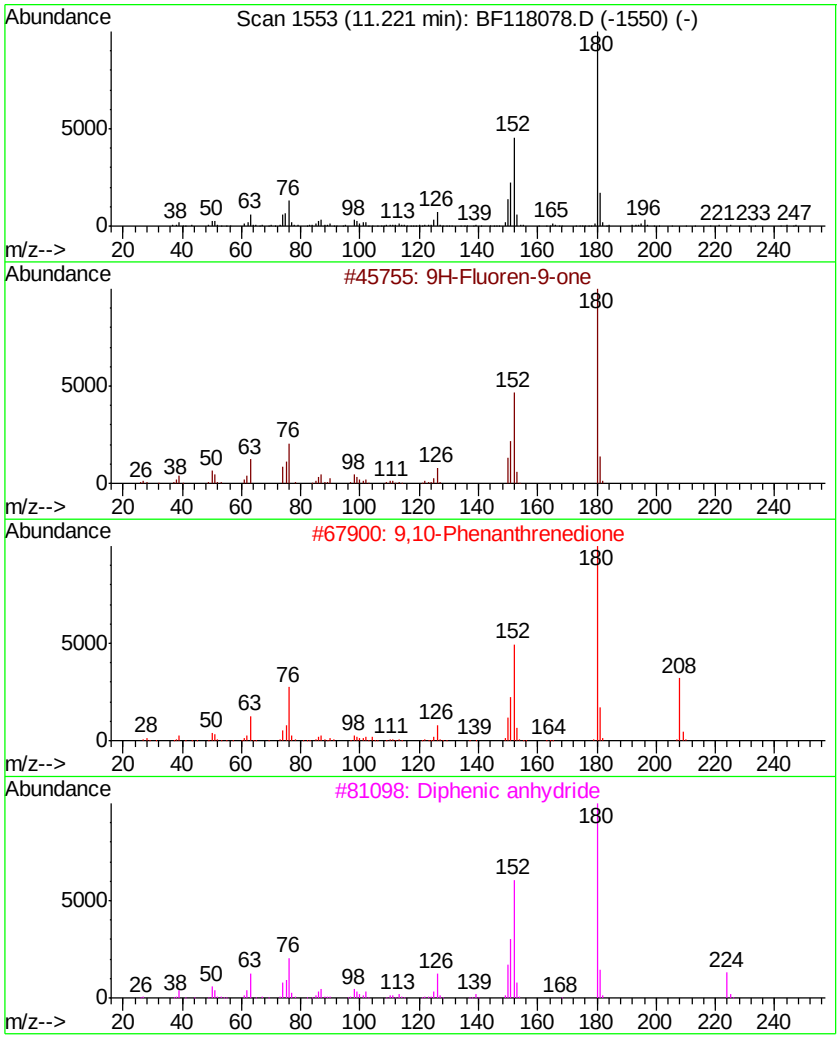
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

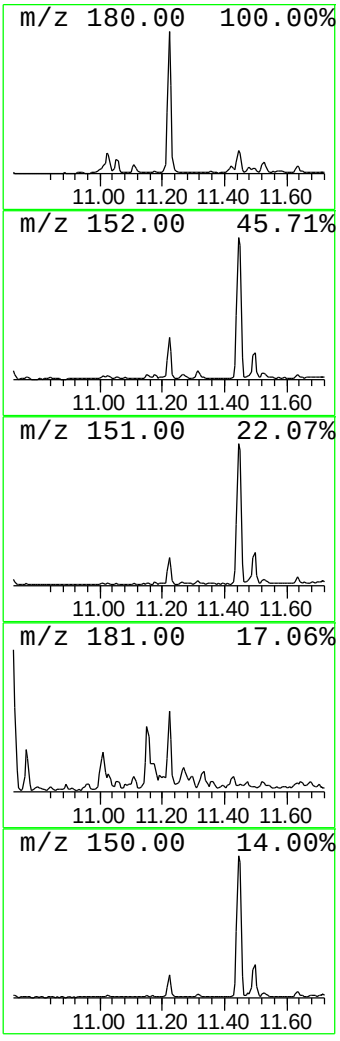
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	4.10 ng	262743	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
3	Diphenic anhydride	224	C14H8O3	006050-13-1	83
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50





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Data File : BF118078.D
Acq On : 3 Dec 2019 22:39
Operator : JU
Sample : K6024-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

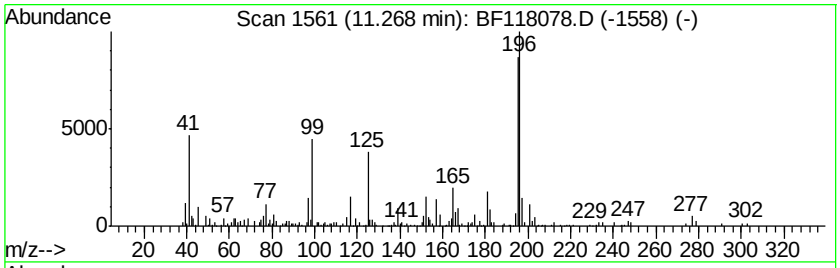
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

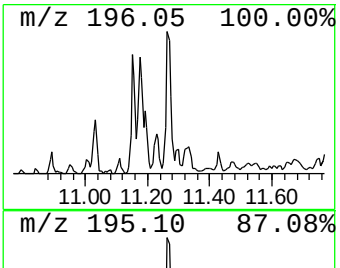
****

Peak Number 6 2-Propanol, 1-chloro-, phos... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	5.84 ng	373913	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	68
2	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	43
3	2-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-52-3	38
4	4-tert-Butylcyclohexyl methyl et...	262	C13H27O3P	1000298-33-9	10
5	Heptyl methyl ethylphosphonate	222	C10H23O3P	169662-35-5	10





Library Search Compound Report

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Data File : BF118078.D
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Sample : K6024-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

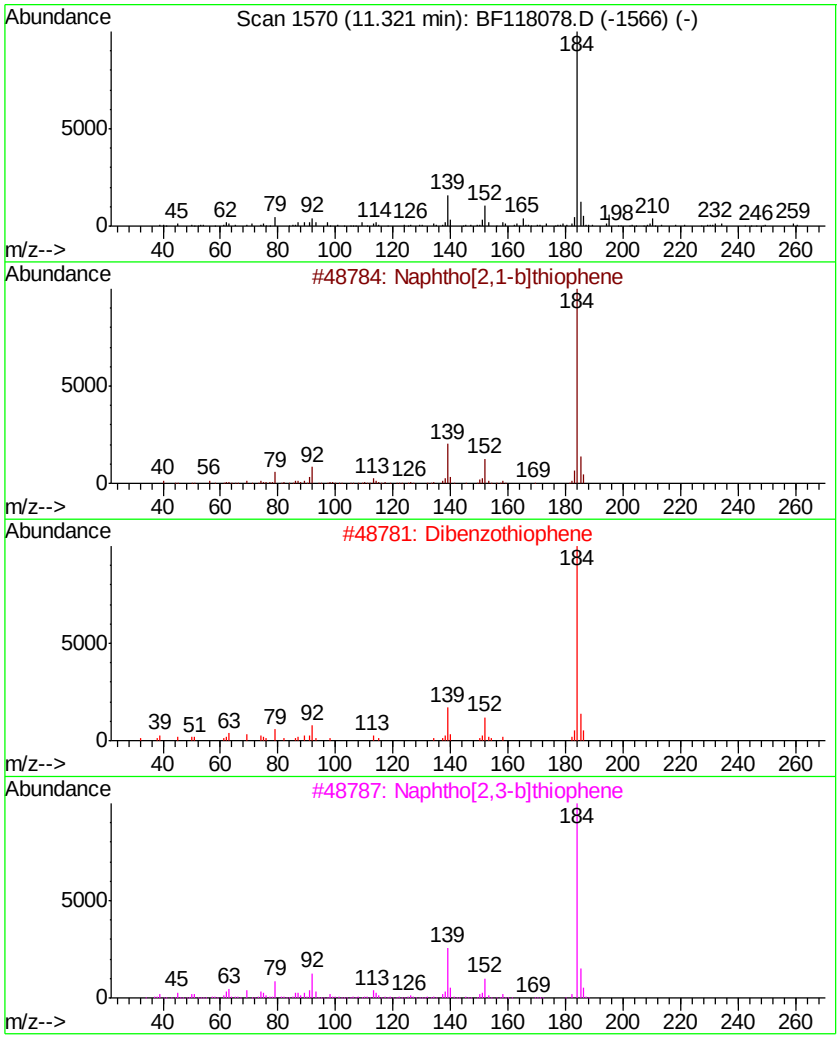
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

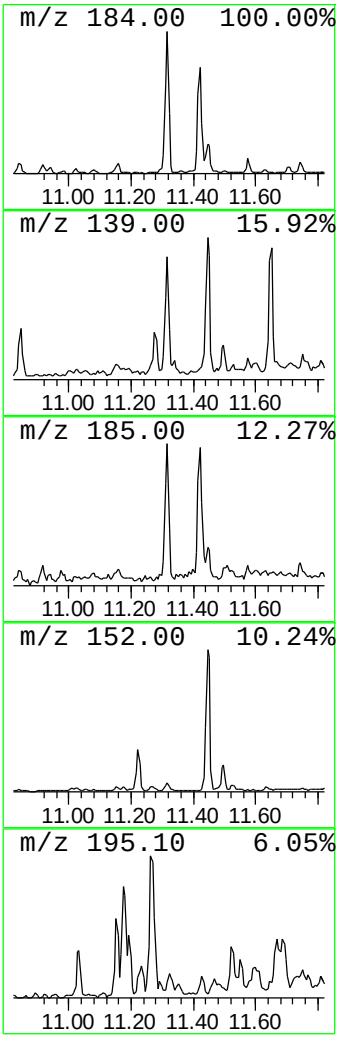
****

Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	2.86 ng	182951	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Sample : K6024-01
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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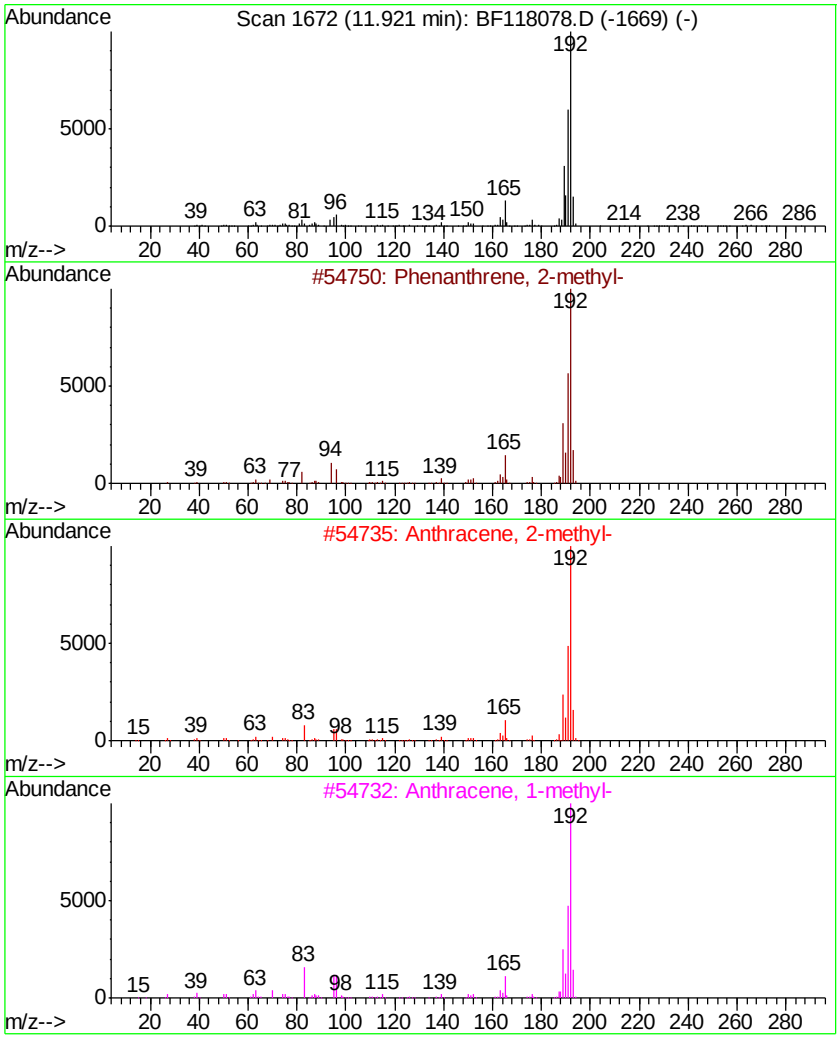
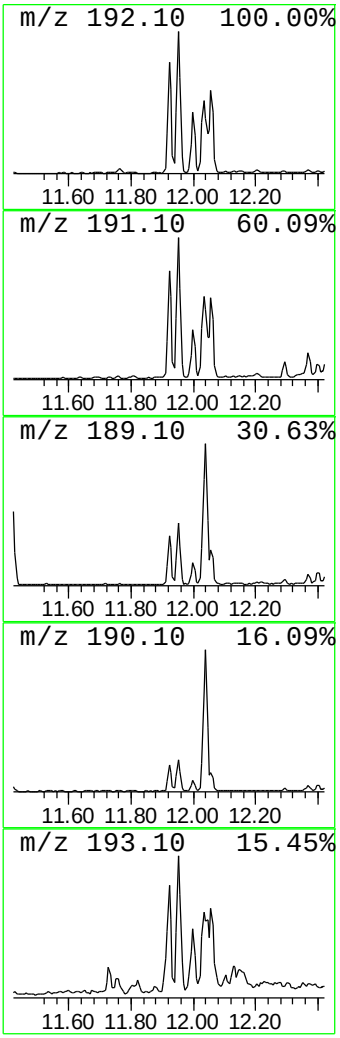
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	7.11 ng	455634	Phenanthrene-d10	11.42

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	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	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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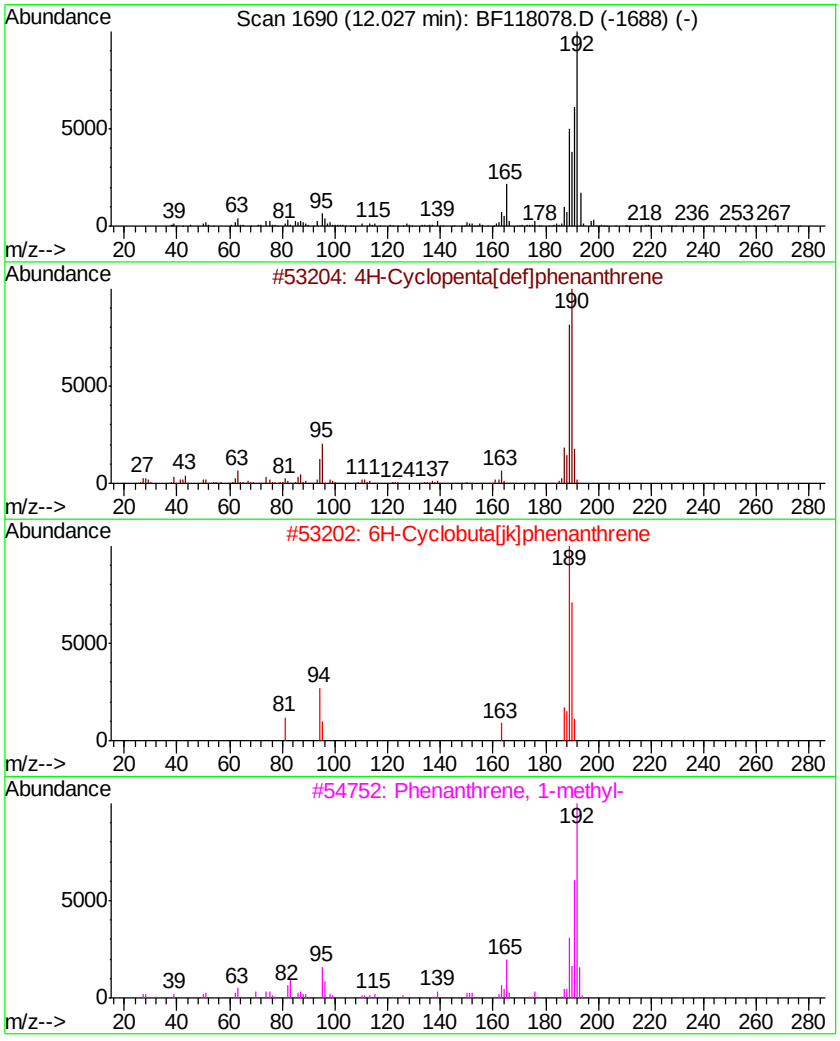
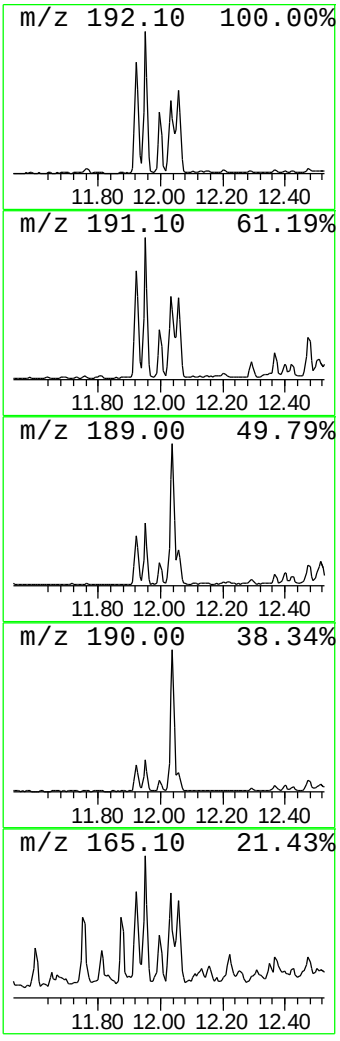
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	11.70 ng	749146	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





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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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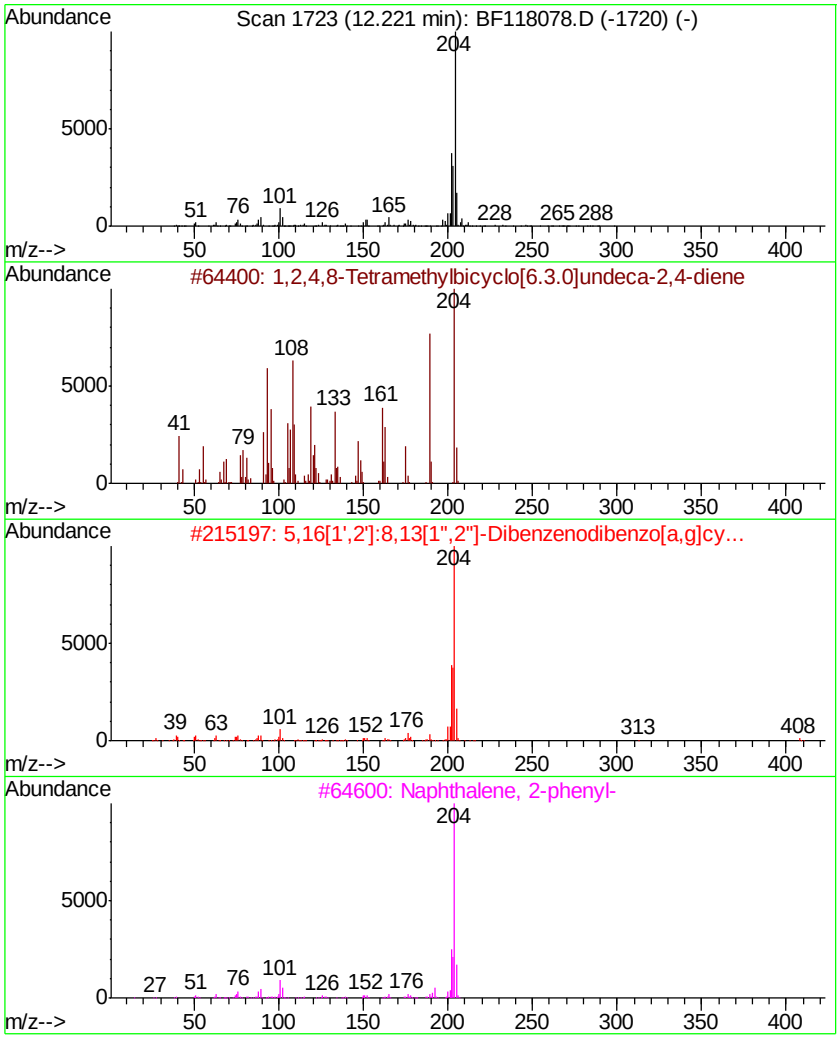
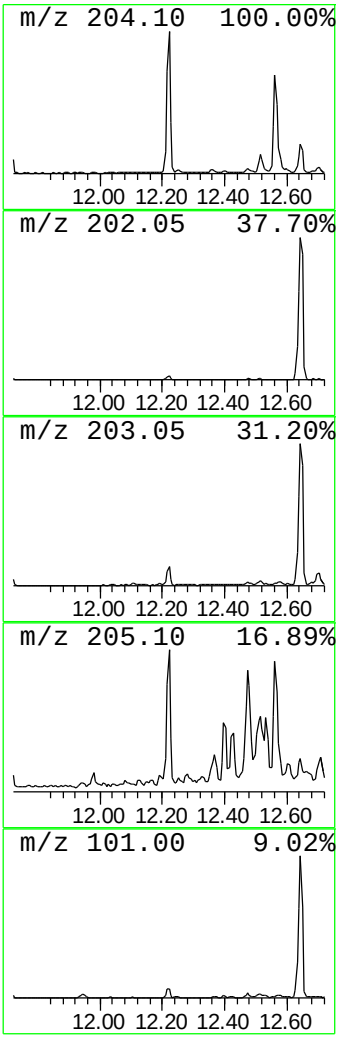
Peak Number 10 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	5.03 ng	321915	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	58





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TIC Integration Parameters: LSCINT.P

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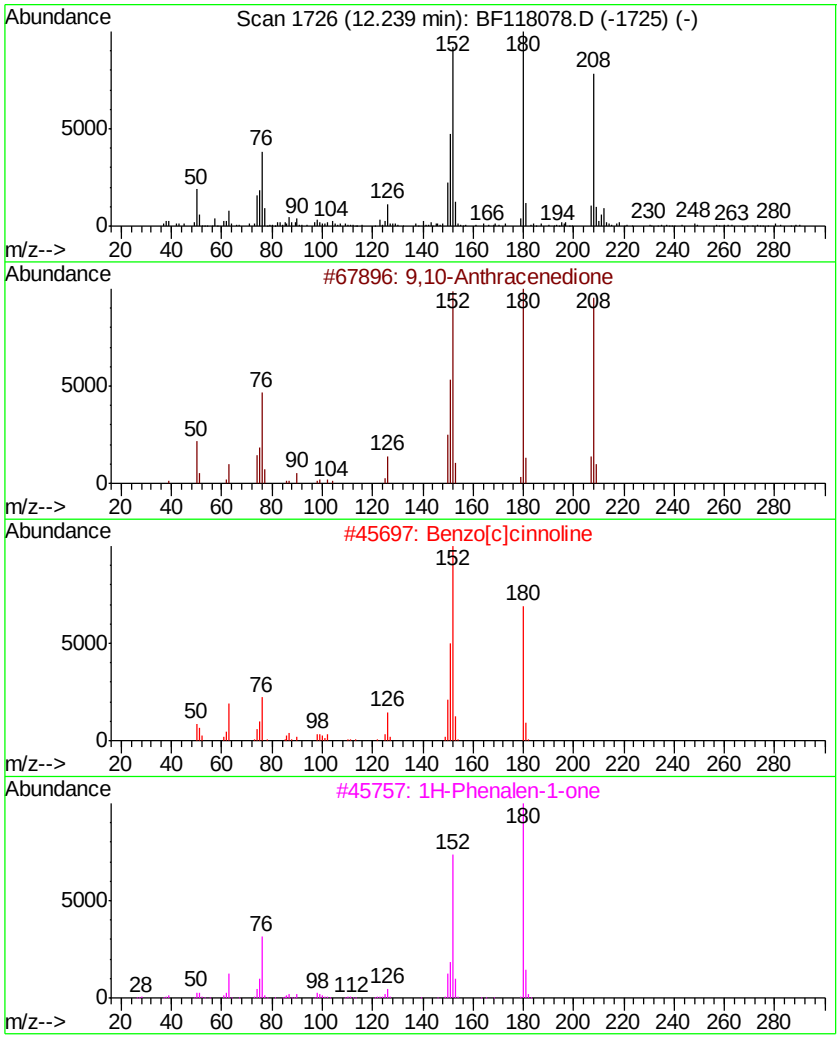
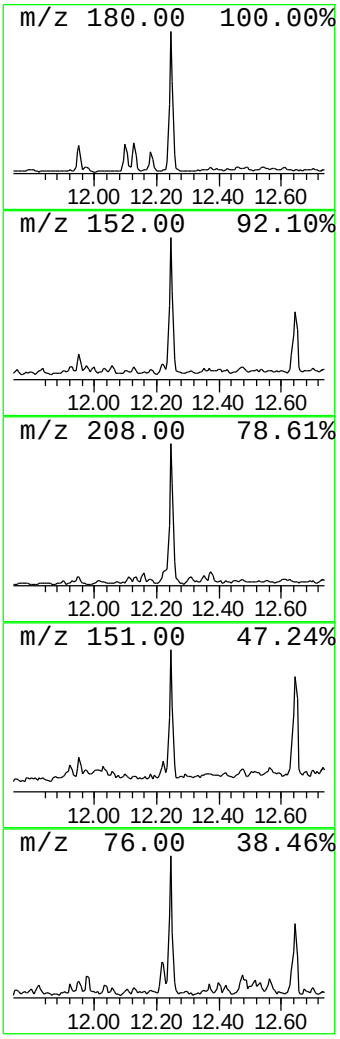
Peak Number 11 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	5.08 ng	325628	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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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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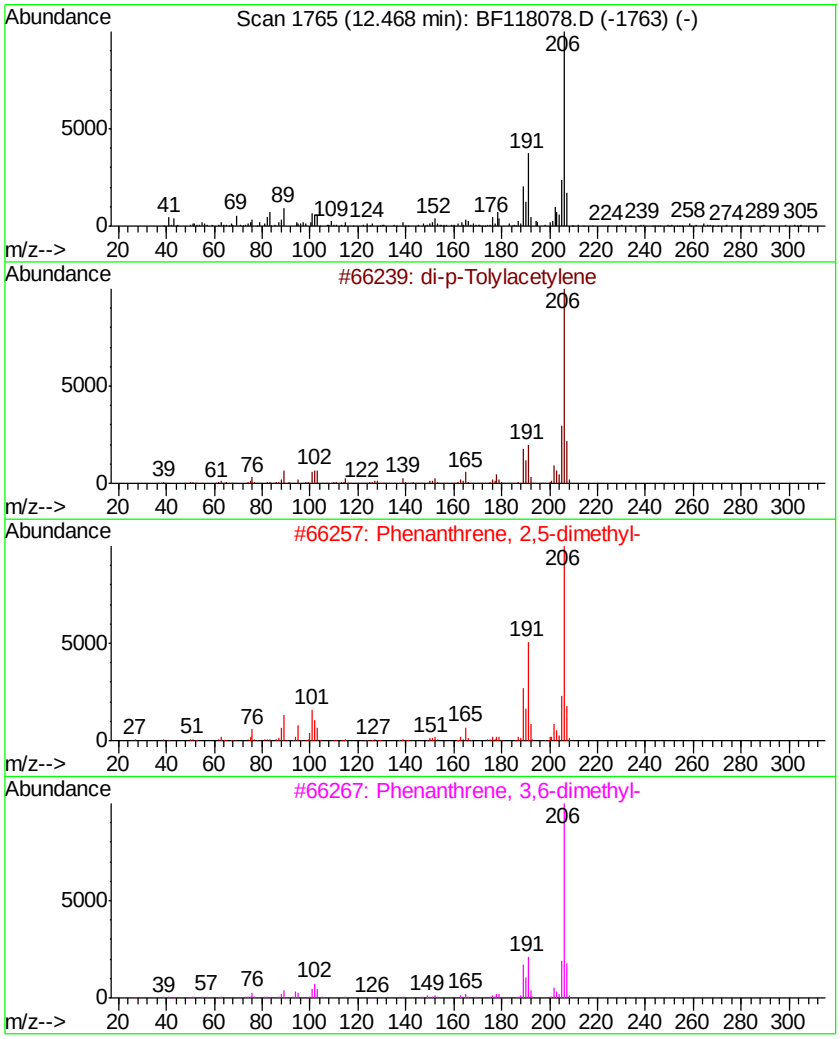
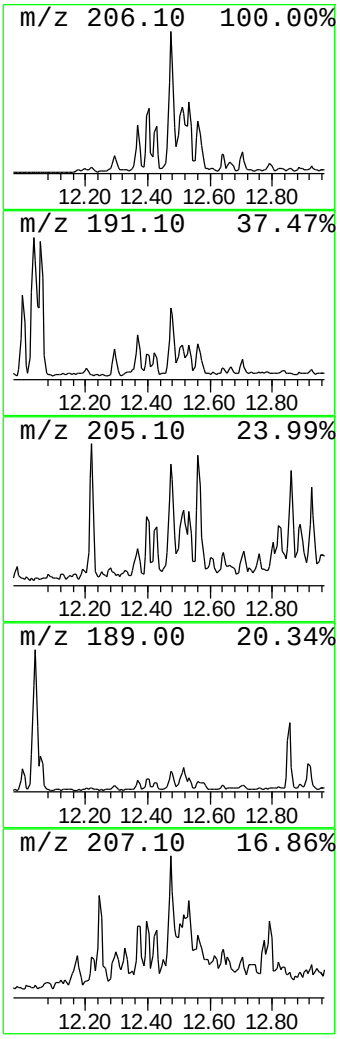
Peak Number 12 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	5.29 ng	338793	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	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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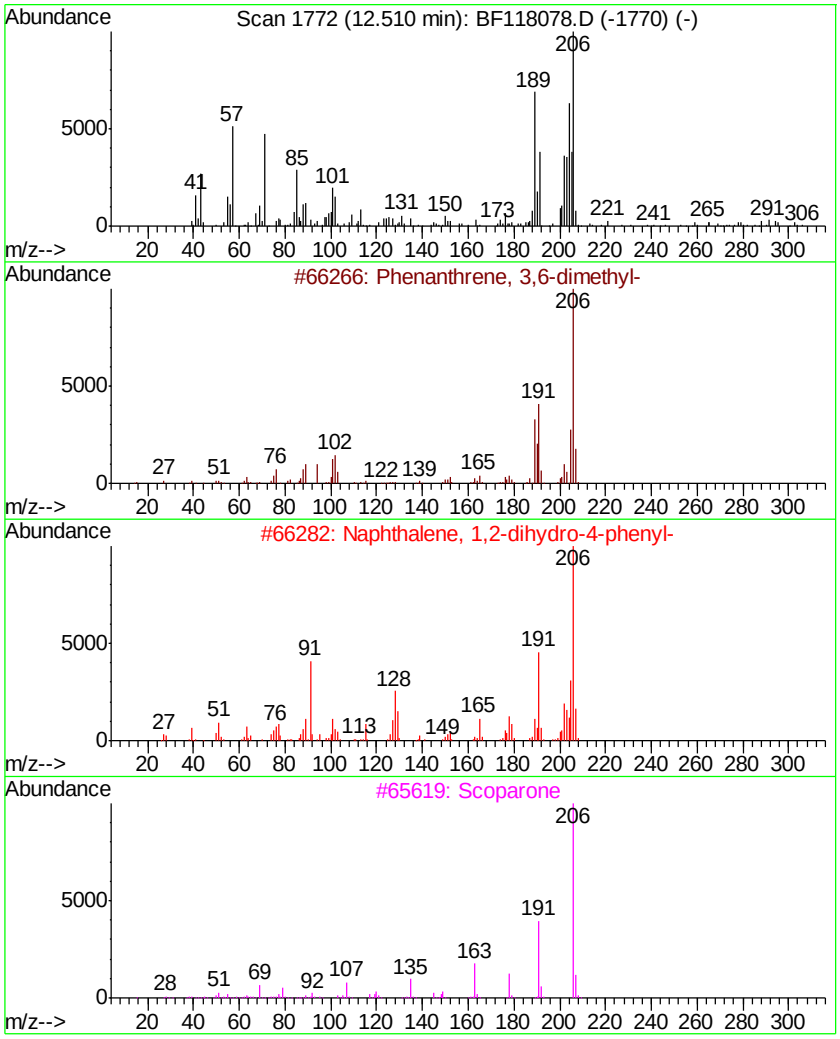
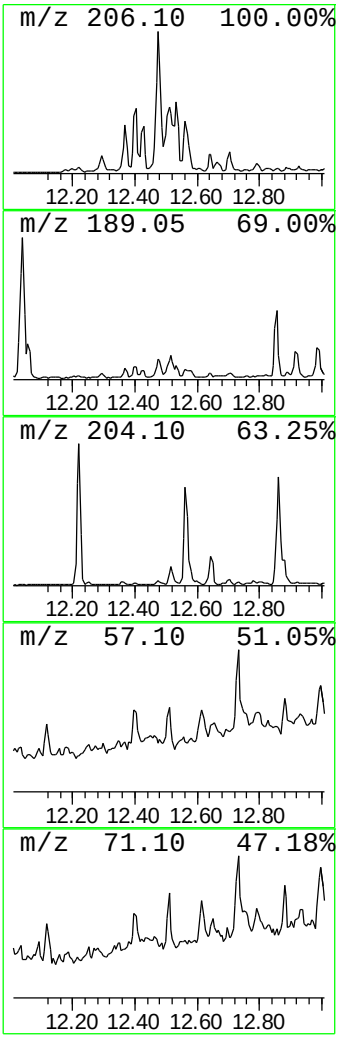
Peak Number 13 unknown12.51 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	4.16 ng	266307	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	32
3	Scoparone	206	C11H10O4	000120-08-1	22
4	3-Methoxy-2,4,5-trifluorobenzoic...	290	C14H17F3O3	1000338-76-3	22
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	14





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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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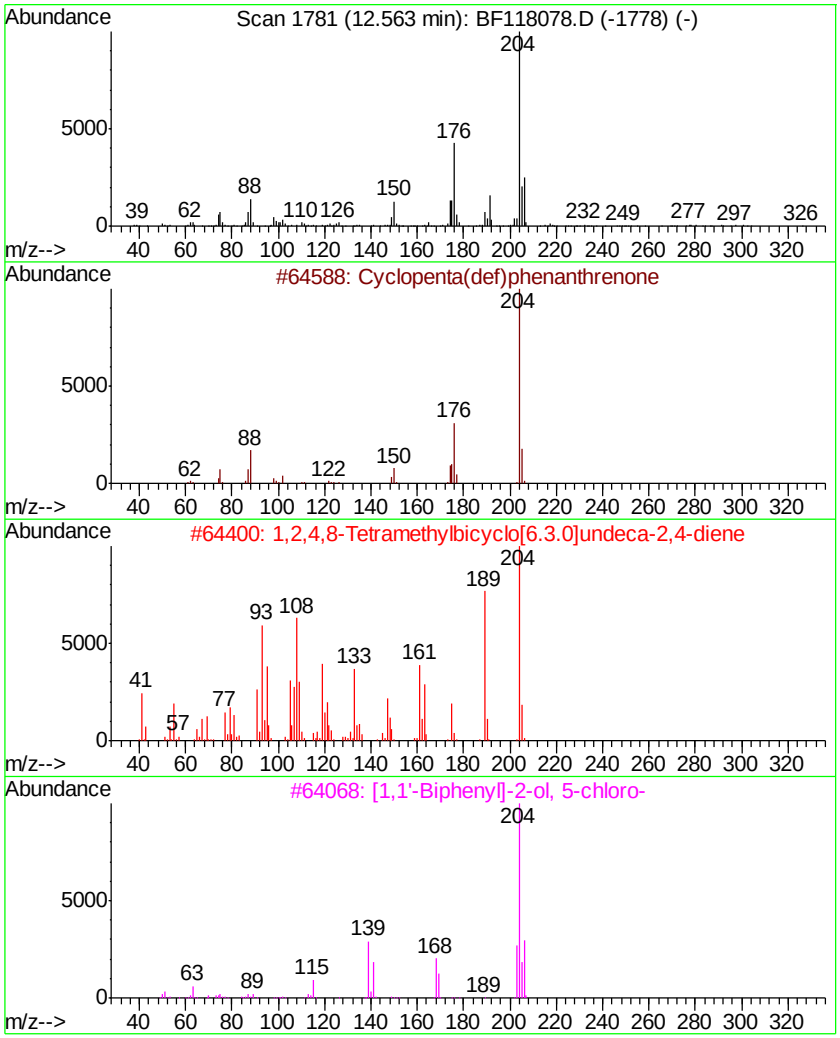
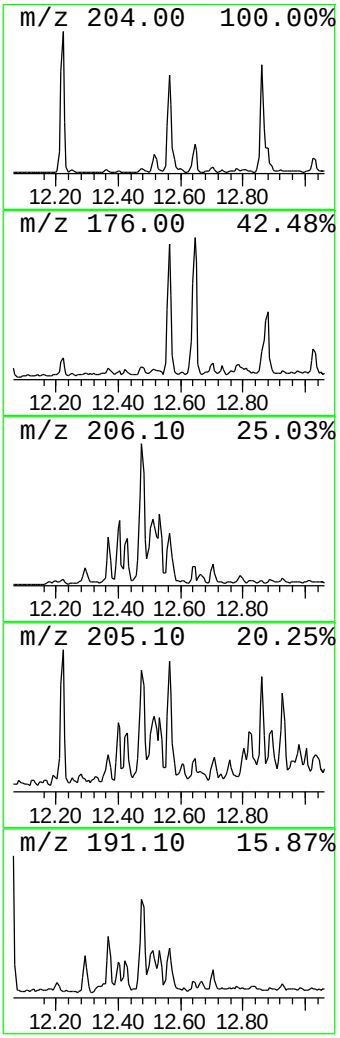
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	5.85 ng	374404	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43





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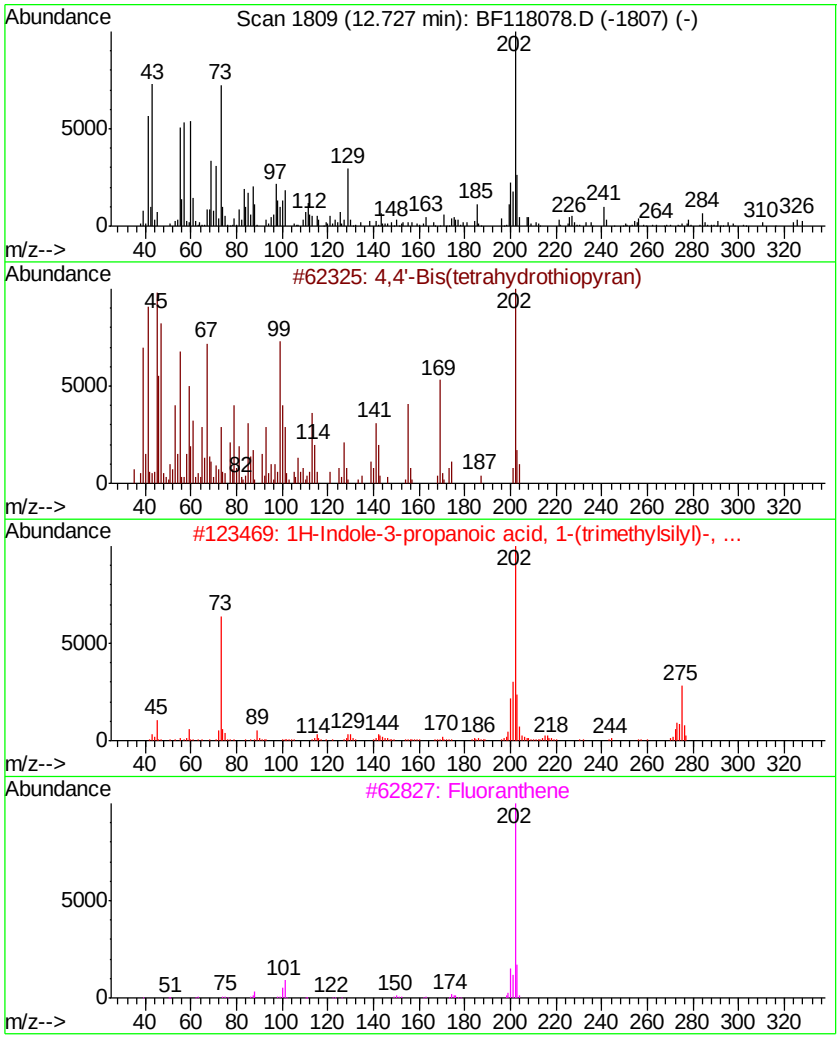
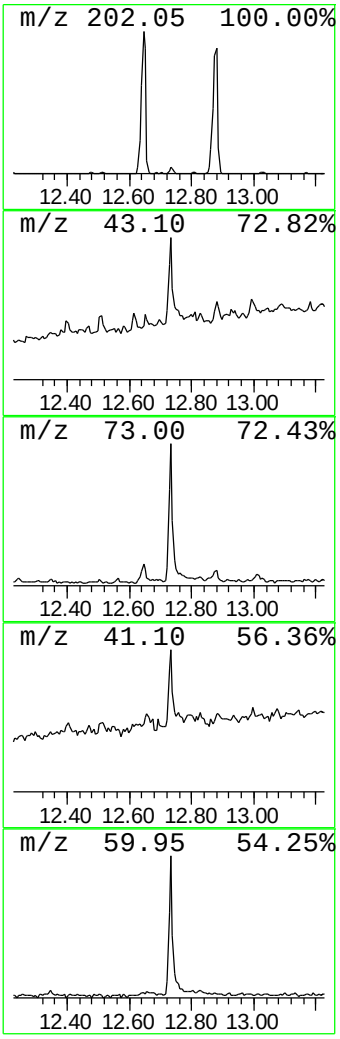
Peak Number 15 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	6.82 ng	436765	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	94
2	1H-Indole-3-propanoic acid, 1-(t...	275	C15H21NO2Si	056196-72-6	50
3	Fluoranthene	202	C16H10	000206-44-0	46
4	Pyrene	202	C16H10	000129-00-0	46
5	1,4-Pentadiyn-3-one, 1,5-diphenyl-	230	C17H10O	015814-30-9	43





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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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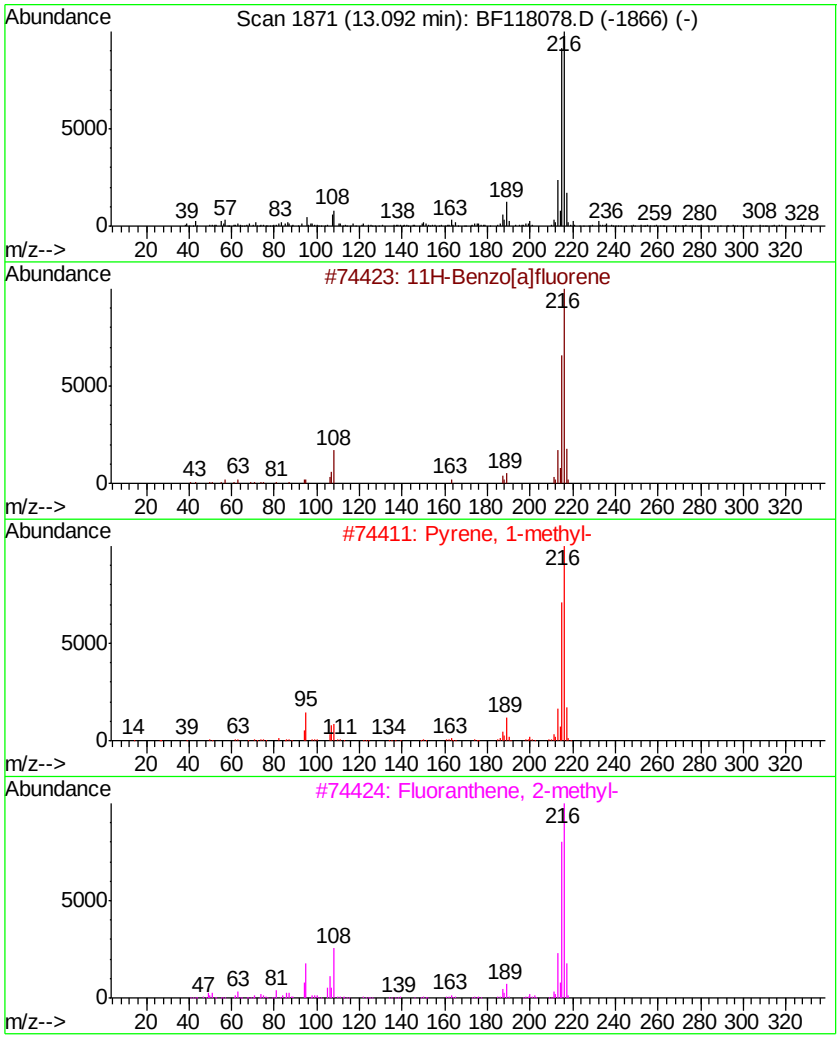
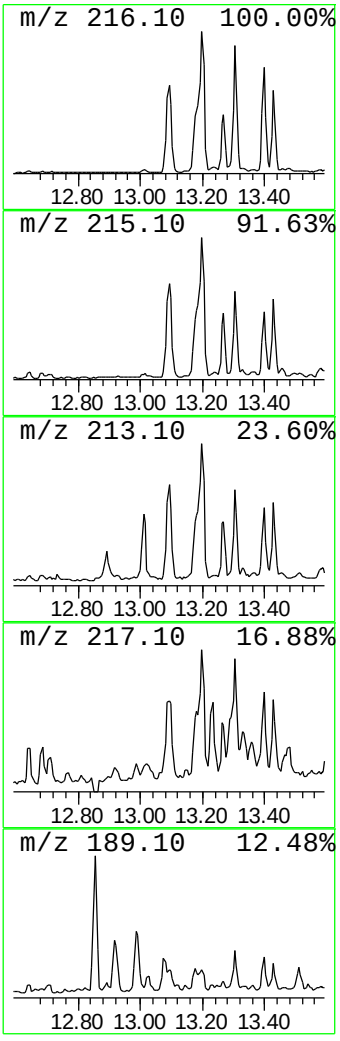
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	2.94 ng	529991	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	78





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

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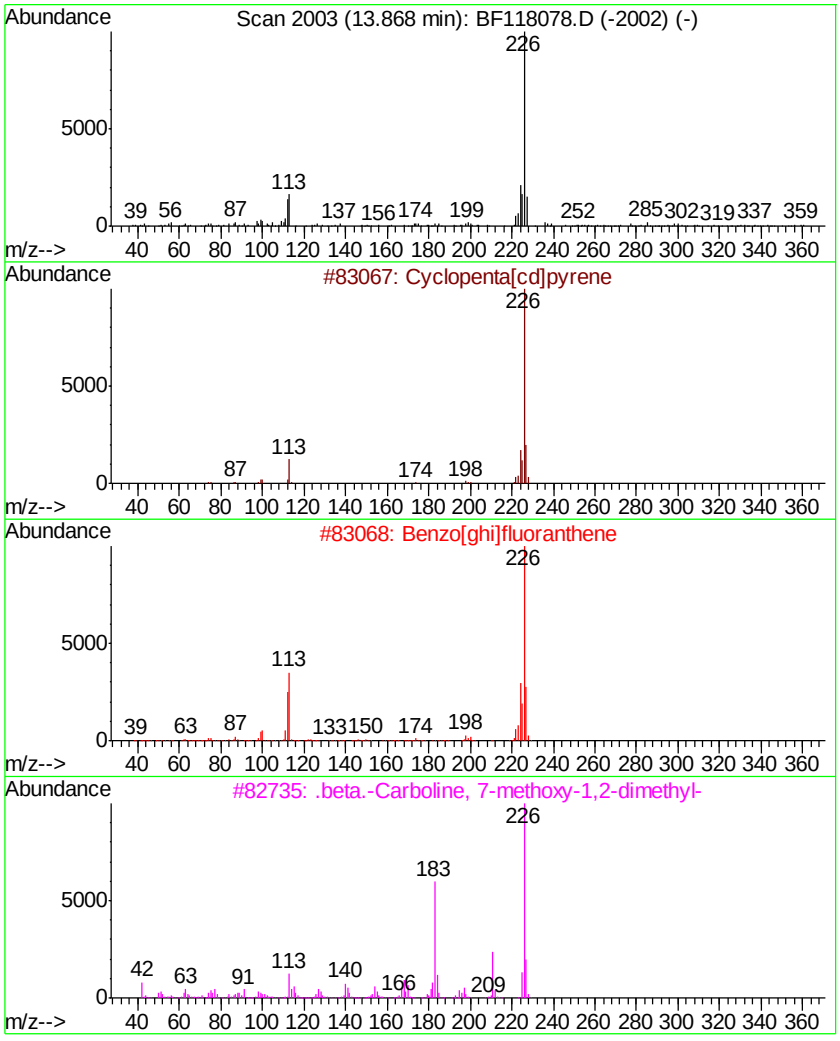
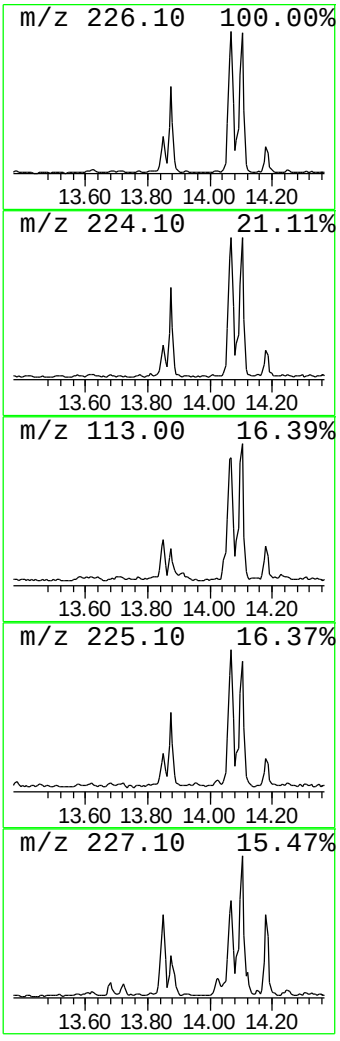
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	2.86 ng	516696	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	68
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
4	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	45
5	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	38





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

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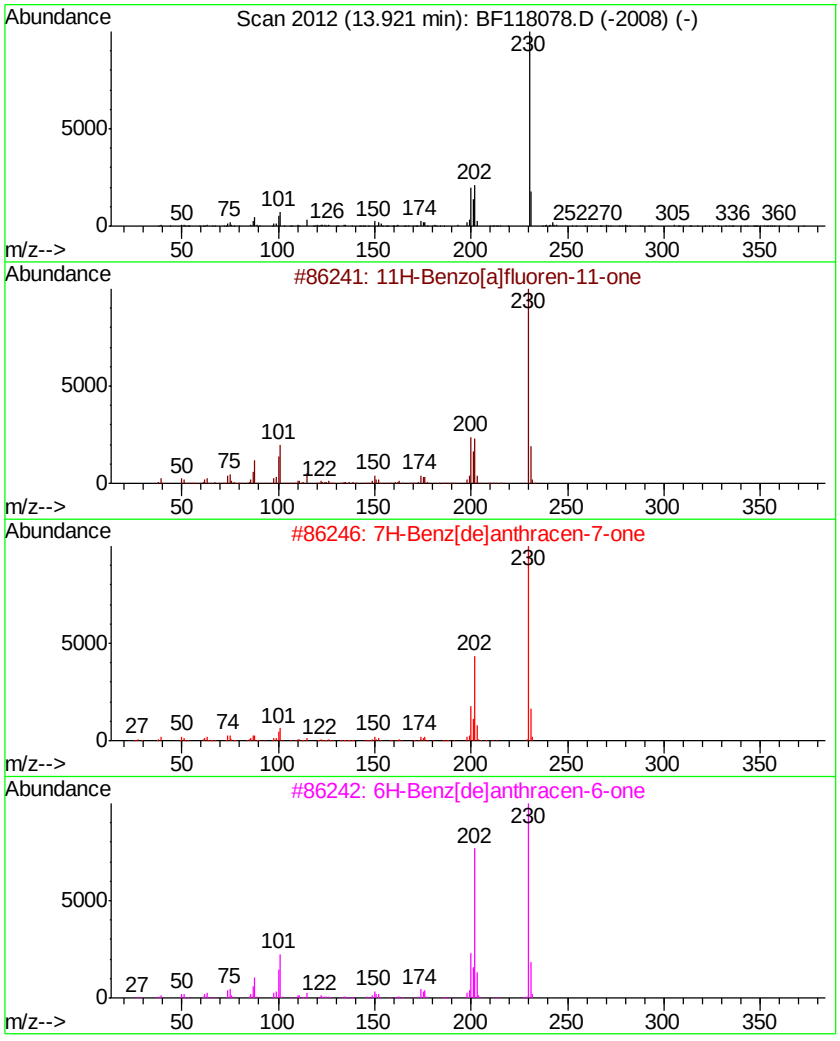
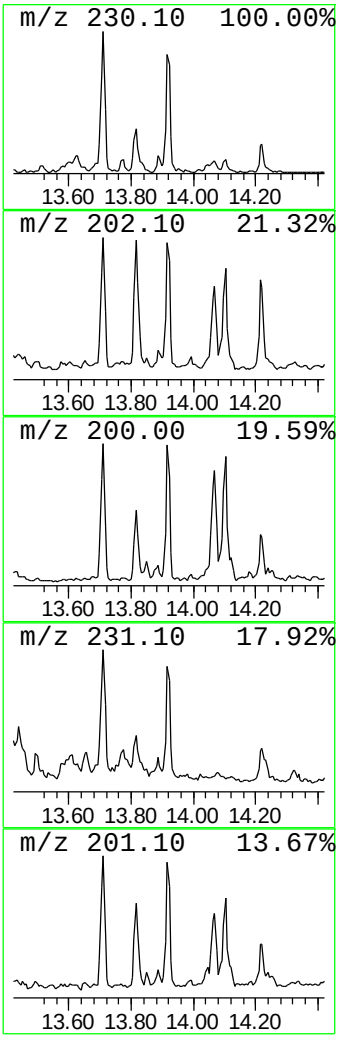
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	4.27 ng	770674	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	59
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	50
5	m-Terphenyl	230	C18H14	000092-06-8	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118078.D
Acq On : 3 Dec 2019 22:39
Operator : JU
Sample : K6024-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

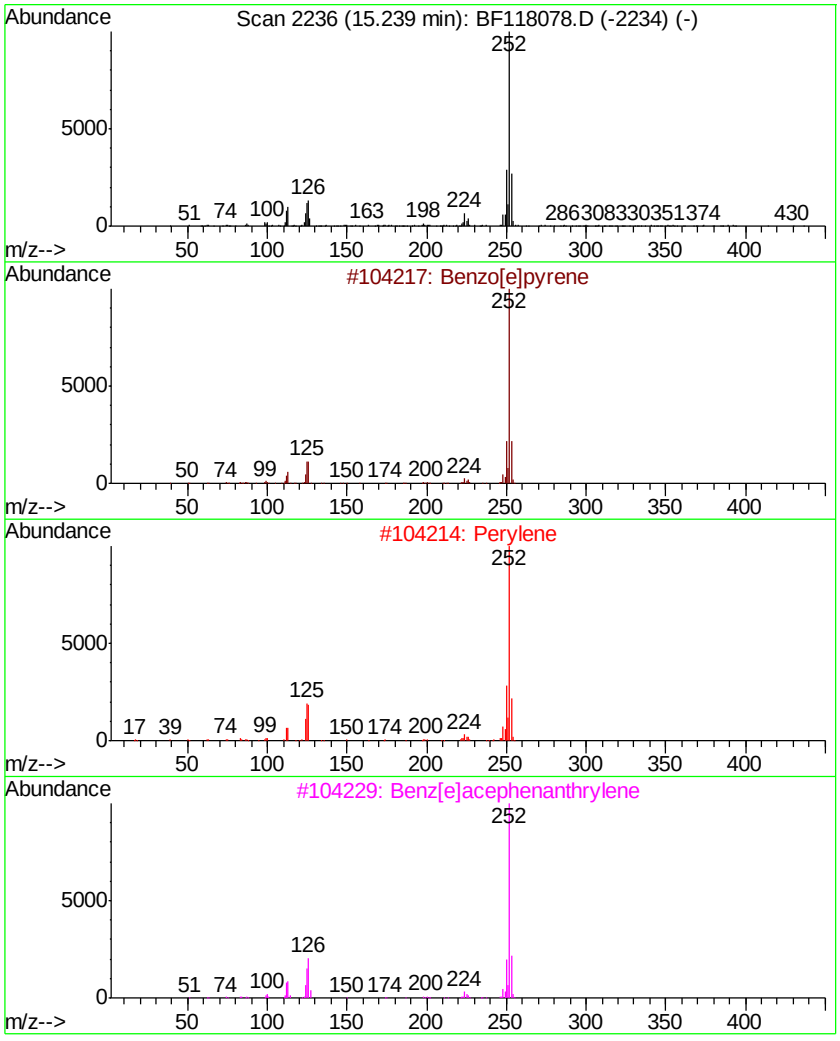
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

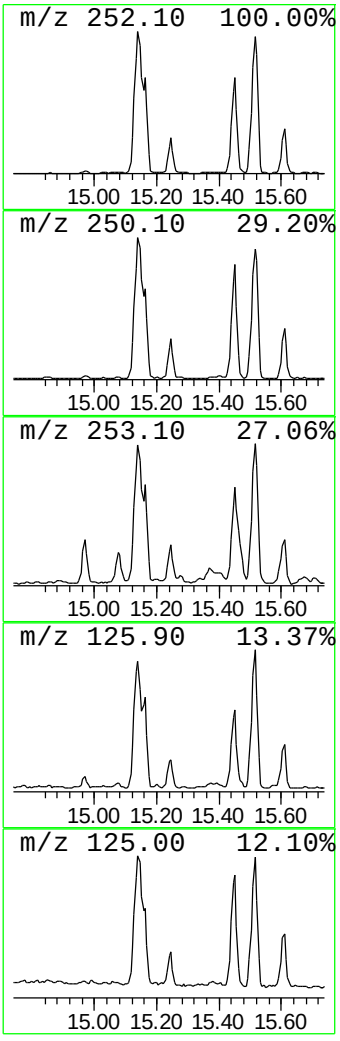
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	6.43 ng	355430	Perylene-d12	15.58

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118078.D
Acq On : 3 Dec 2019 22:39
Operator : JU
Sample : K6024-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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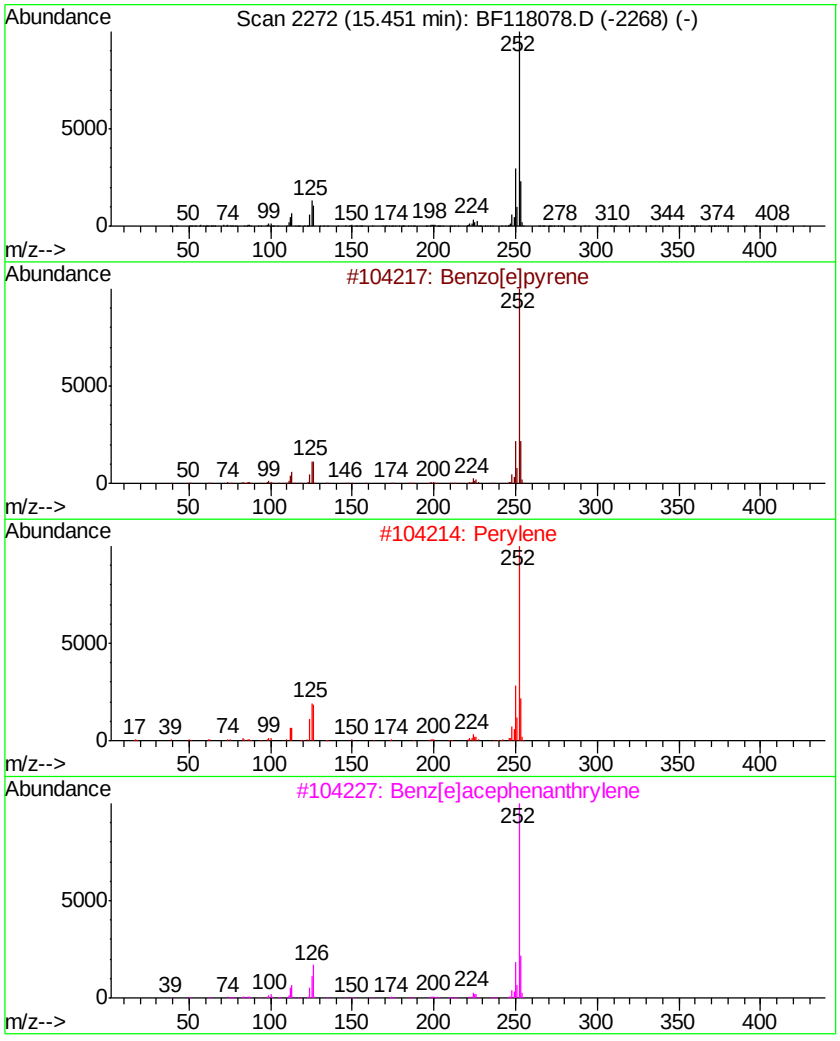
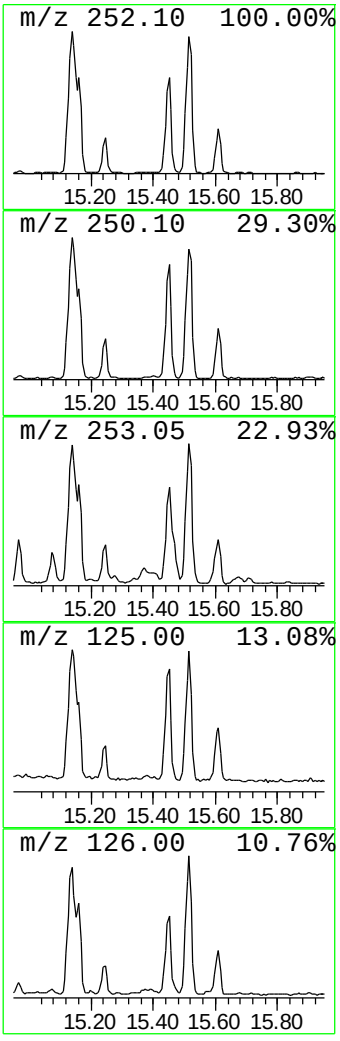
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	26.12 ng	1444320	Perylene-d12	15.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120319\
Data File : BF118078.D
Acq On : 3 Dec 2019 22:39
Operator : JU
Sample : K6024-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1-(0.5-1.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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
Butane, 2-methoxy...	2.15	18.2	ng	756999	1	6.87	833887	20.0
2-Pentanone, 4-hy...	5.09	13.6	ng	565514	1	6.87	833887	20.0
unknown6.65	6.65	74.7	ng	3112990	1	6.87	833887	20.0
9H-Fluoren-9-one	11.22	4.1	ng	262743	4	11.42	1280990	20.0
2-Propanol, 1-chl...	11.27	5.8	ng	373913	4	11.42	1280990	20.0
Naphtho[2,1-b]thi...	11.32	2.9	ng	182951	4	11.42	1280990	20.0
Phenanthrene, 2-m...	11.92	7.1	ng	455634	4	11.42	1280990	20.0
4H-Cyclopenta[def...	12.03	11.7	ng	749146	4	11.42	1280990	20.0
1,2,4,8-Tetrameth...	12.22	5.0	ng	321915	4	11.42	1280990	20.0
9,10-Anthracenedione	12.24	5.1	ng	325628	4	11.42	1280990	20.0
di-p-Tolylacetylene	12.47	5.3	ng	338793	4	11.42	1280990	20.0
unknown12.51	12.51	4.2	ng	266307	4	11.42	1280990	20.0
Cyclopenta(def)ph...	12.56	5.8	ng	374404	4	11.42	1280990	20.0
4,4'-Bis(tetrahyd...	12.73	6.8	ng	436765	4	11.42	1280990	20.0
11H-Benzo[a]fluorene	13.09	2.9	ng	529991	5	14.08	3610830	20.0
Cyclopenta[cd]pyrene	13.87	2.9	ng	516696	5	14.08	3610830	20.0
11H-Benzo[a]fluor...	13.92	4.3	ng	770674	5	14.08	3610830	20.0
Benzo[e]pyrene	15.24	6.4	ng	355430	6	15.58	1105830	20.0
Perylene	15.45	26.1	ng	1444320	6	15.58	1105830	20.0