LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103230.D
Acq On : 26 Feb 2018 21:04
Operator : SJ/JU
Sample : J1691-41 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B11

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:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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	5.486	575	578	591	rBV	1579513	1690218	24.16%	1.958%
2	6.504	747	751	760	rBV	1738298	1708105	24.41%	1.978%
3	6.639	771	774	781	rVB	1914944	1684114	24.07%	1.951%
4	6.869	810	813	817	rBV	1122530	1030291	14.73%	1.193%
5	7.028	836	840	848	rVB	1556972	1297753	18.55%	1.503%
6	7.133	855	858	862	rBV	99657	101333	1.45%	0.117%
7	7.433	905	909	920	rBV	1137254	1045776	14.95%	1.211%
8	8.157	1029	1032	1034	rVV	1526793	1274547	18.22%	1.476%
9	8.175	1034	1035	1038	rVB	142481	104122	1.49%	0.121%
10	8.804	1139	1142	1150	rVB5	59925	101355	1.45%	0.117%
11	9.227	1210	1214	1223	rBV	1993384	1617312	23.12%	1.873%
12	9.298	1223	1226	1229	rVB2	115647	98465	1.41%	0.114%
13	9.569	1268	1272	1274	rVV	130802	139233	1.99%	0.161%
14	9.621	1278	1281	1288	rVB2	370703	468058	6.69%	0.542%
15	9.686	1288	1292	1297	rBV2	84853	101029	1.44%	0.117%
16	9.774	1303	1307	1312	rBV	1517239	1270523	18.16%	1.472%
17	9.827	1313	1316	1321	rVB	119388	119537	1.71%	0.138%
18	9.916	1327	1331	1334	rVV	1305404	1223455	17.49%	1.417%
19	9.945	1334	1336	1339	rVB	237829	183496	2.62%	0.213%
20	10.116	1362	1365	1368	rVV2	177637	158084	2.26%	0.183%
21	10.221	1380	1383	1386	rBV2	120853	146551	2.09%	0.170%
22	10.327	1395	1401	1405	rBV3	140677	220780	3.16%	0.256%
23	10.368	1405	1408	1410	rBV	142610	139512	1.99%	0.162%
24	10.463	1421	1424	1430	rVB	478112	504600	7.21%	0.584%
25	10.621	1447	1451	1454	rBV	322768	286668	4.10%	0.332%
26	10.704	1461	1465	1471	rBV	977189	879766	12.57%	1.019%
27	10.816	1479	1484	1491	rVB4	172943	330960	4.73%	0.383%
28	11.010	1512	1517	1520	rBV2	267593	302587	4.32%	0.350%
29	11.039	1520	1522	1524	rVV	136882	119122	1.70%	0.138%
30	11.092	1528	1531	1534	rVV	164296	131381	1.88%	0.152%
31	11.133	1534	1538	1540	rVV3	124356	144461	2.06%	0.167%
32	11.163	1540	1543	1548	rVV	168932	228003	3.26%	0.264%
33	11.210	1548	1551	1555	rVV3	124967	137459	1.96%	0.159%
34	11.251	1555	1558	1561	rVV	185232	197769	2.83%	0.229%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103230.D
Acq On : 26 Feb 2018 21:04
Operator : SJ/JU
Sample : J1691-41 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B11

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:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.280	1561	1563	1564	rVV	119022	100733	1.44%	0.117%
36	11.298	1564	1566	1571	rVB	319476	291034	4.16%	0.337%
37	11.404	1580	1584	1586	rBV	1116327	1094030	15.64%	1.267%
38	11.433	1586	1589	1592	rVV	3582864	3676639	52.55%	4.259%
39	11.480	1594	1597	1600	rVV	1560600	1356088	19.38%	1.571%
40	11.515	1600	1603	1608	rVV2	260922	318396	4.55%	0.369%
41	11.563	1608	1611	1616	rVV4	63940	115738	1.65%	0.134%
42	11.633	1620	1623	1628	rVV2	244139	354145	5.06%	0.410%
43	11.692	1632	1633	1637	rVV	202885	190445	2.72%	0.221%
44	11.733	1637	1640	1645	rVB3	260115	278026	3.97%	0.322%
45	11.815	1651	1654	1660	rVB	147791	172873	2.47%	0.200%
46	11.910	1666	1670	1672	rVV	906231	916062	13.09%	1.061%
47	11.939	1672	1675	1678	rVB	1155450	1063301	15.20%	1.232%
48	11.986	1679	1683	1685	rBV	460762	424475	6.07%	0.492%
49	12.021	1685	1689	1691	rVV2	1734415	1862250	26.62%	2.157%
50	12.039	1691	1692	1697	rVB	749931	602414	8.61%	0.698%
51	12.086	1697	1700	1703	rBV	169752	157132	2.25%	0.182%
52	12.139	1707	1709	1711	rBV2	159441	135316	1.93%	0.157%
53	12.198	1716	1719	1722	rVV	690196	683885	9.77%	0.792%
54	12.233	1722	1725	1730	rVB2	392584	373451	5.34%	0.433%
55	12.351	1740	1745	1747	rBV2	202060	247970	3.54%	0.287%
56	12.380	1747	1750	1752	rVV	247756	206181	2.95%	0.239%
57	12.410	1752	1755	1757	rVB2	168861	148382	2.12%	0.172%
58	12.457	1760	1763	1766	rBV	580913	622294	8.89%	0.721%
59	12.498	1766	1770	1772	rVV3	408344	552757	7.90%	0.640%
60	12.557	1776	1780	1783	rVV3	378987	475395	6.79%	0.551%
61	12.639	1788	1794	1796	rBV	4356410	6382453	91.22%	7.393%
62	12.657	1796	1797	1800	rVV2	270115	247400	3.54%	0.287%
63	12.686	1800	1802	1805	rVB	202951	174772	2.50%	0.202%
64	12.721	1805	1808	1811	rVB	901357	701345	10.02%	0.812%
65	12.774	1814	1817	1819	rVV2	298351	303220	4.33%	0.351%
66	12.798	1819	1821	1825	rVB	229936	262883	3.76%	0.304%
67	12.868	1826	1833	1836	rBV2	4018629	6996527	100.00%	8.104%
68	12.904	1836	1839	1843	rVB2	472194	470489	6.72%	0.545%
69	12.986	1847	1853	1856	rBV2	1083514	1570930	22.45%	1.820%
70	13.015	1856	1858	1861	rVB	340791	300121	4.29%	0.348%
71	13.068	1863	1867	1871	rBV2	709982	1172805	16.76%	1.358%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103230.D
Acq On : 26 Feb 2018 21:04
Operator : SJ/JU
Sample : J1691-41 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B11

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:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.162	1879	1883	1884	rBV2	618856	788800	11.27%	0.914%
73	13.186	1884	1887	1889	rVB	1567117	1436380	20.53%	1.664%
74	13.251	1895	1898	1901	rBV	1348232	1214019	17.35%	1.406%
75	13.292	1901	1905	1907	rVV2	930723	1056595	15.10%	1.224%
76	13.345	1911	1914	1916	rBV2	183610	192463	2.75%	0.223%
77	13.380	1918	1920	1923	rVV	554779	488524	6.98%	0.566%
78	13.415	1923	1926	1933	rVB2	564726	714218	10.21%	0.827%
79	13.604	1956	1958	1961	rVB	268161	218965	3.13%	0.254%
80	13.668	1966	1969	1971	rBV	247915	279844	4.00%	0.324%
81	13.698	1971	1974	1978	rVB	617032	579836	8.29%	0.672%
82	13.804	1989	1992	1995	rBV	651167	737615	10.54%	0.854%
83	13.833	1995	1997	1999	rVV	868181	725676	10.37%	0.841%
84	13.862	1999	2002	2007	rVV3	706797	1115794	15.95%	1.292%
85	13.909	2007	2010	2013	rVB	552928	493615	7.06%	0.572%
86	14.057	2030	2035	2039	rBV2	2628938	4459180	63.73%	5.165%
87	14.098	2039	2042	2045	rVB	2473916	2624168	37.51%	3.039%
88	14.174	2052	2055	2057	rBV	474322	493797	7.06%	0.572%
89	14.215	2059	2062	2067	rVV3	556366	735919	10.52%	0.852%
90	14.292	2071	2075	2078	rBV2	373651	500093	7.15%	0.579%
91	14.415	2093	2096	2098	rBV	286934	303754	4.34%	0.352%
92	14.451	2100	2102	2105	rVB	535119	545698	7.80%	0.632%
93	14.580	2122	2124	2126	rBV	291931	257766	3.68%	0.299%
94	15.145	2213	2220	2222	rBV	1694015	3395530	48.53%	3.933%
95	15.245	2234	2237	2242	rVB	645819	694927	9.93%	0.805%
96	15.451	2268	2272	2277	rVB	1181959	1601836	22.89%	1.855%
97	15.521	2279	2284	2288	rVB	1593189	2300672	32.88%	2.665%
98	15.609	2296	2299	2307	rVB2	637469	892206	12.75%	1.033%
99	17.121	2550	2556	2561	rVB	887632	1835764	26.24%	2.126%
100	17.586	2631	2635	2648	rVB	662111	1463790	20.92%	1.695%

Sum of corrected areas: 86336226

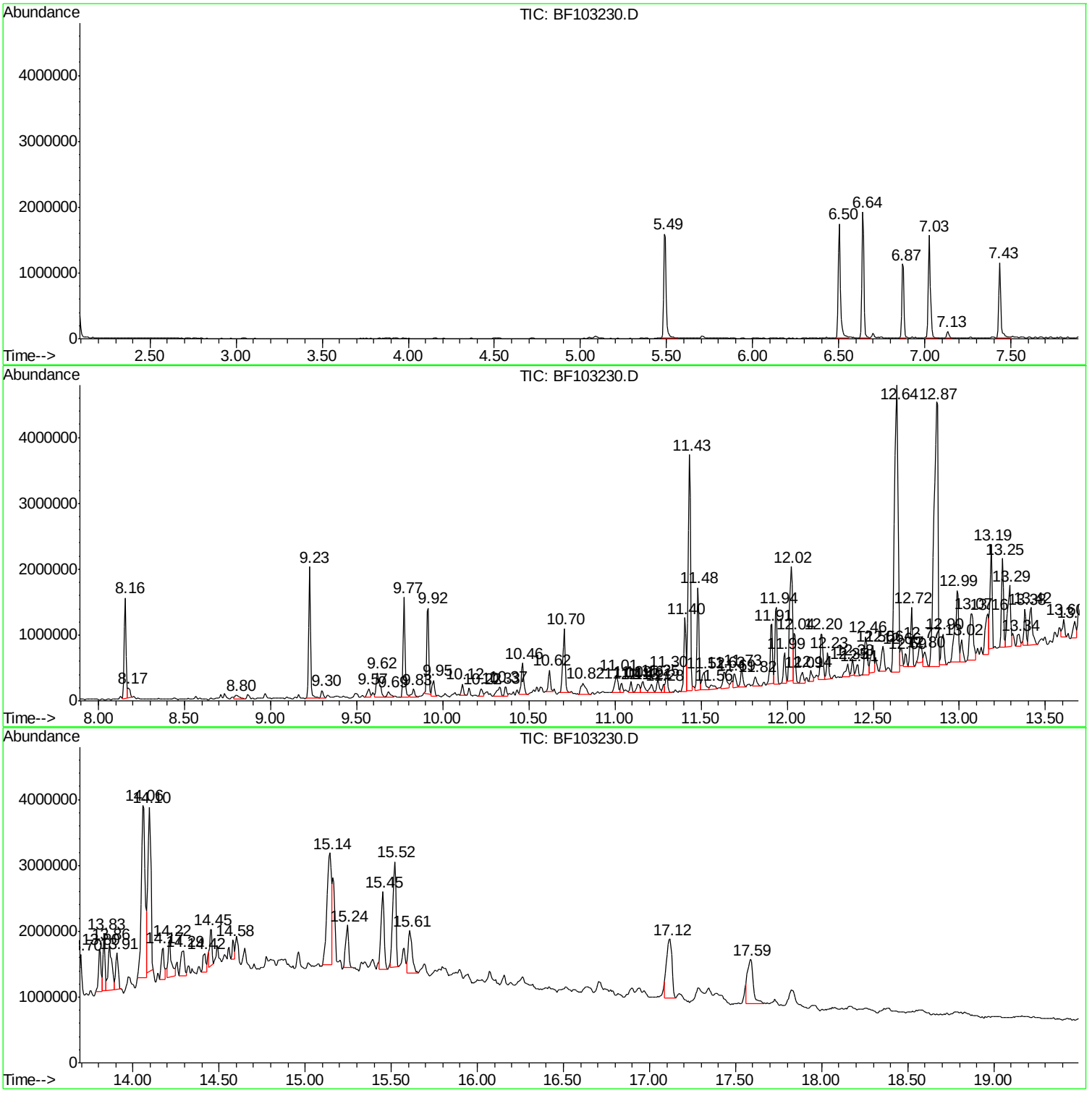
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103230.D
Acq On : 26 Feb 2018 21:04
Operator : SJ/JU
Sample : J1691-41 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103230.D
Acq On : 26 Feb 2018 21:04
Operator : SJ/JU
Sample : J1691-41 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

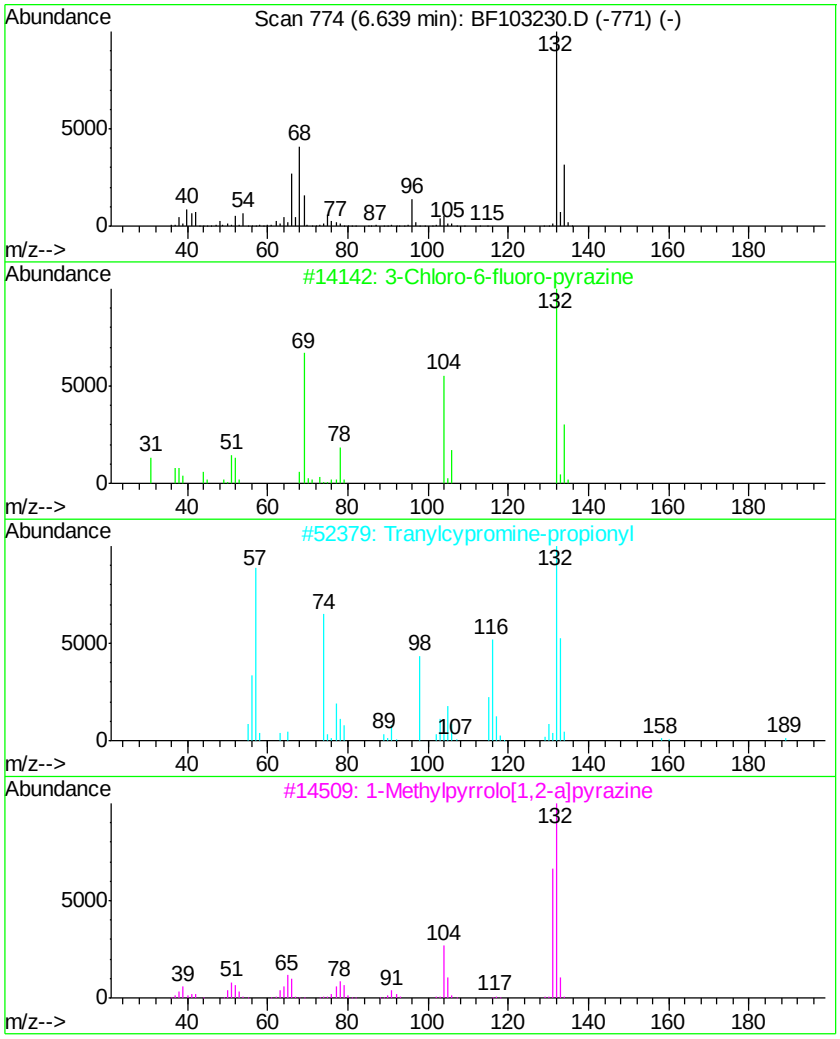
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

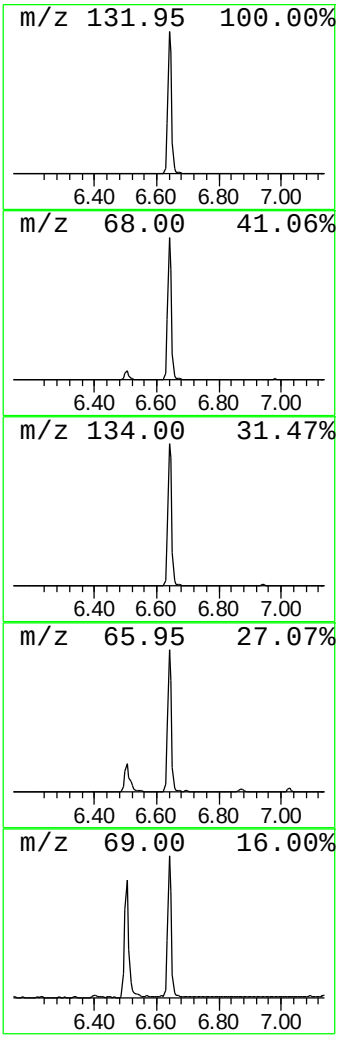
****

Peak Number 1 unknown6.64 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	32.69 ng	1684110	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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103230.D
Acq On : 26 Feb 2018 21:04
Operator : SJ/JU
Sample : J1691-41 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

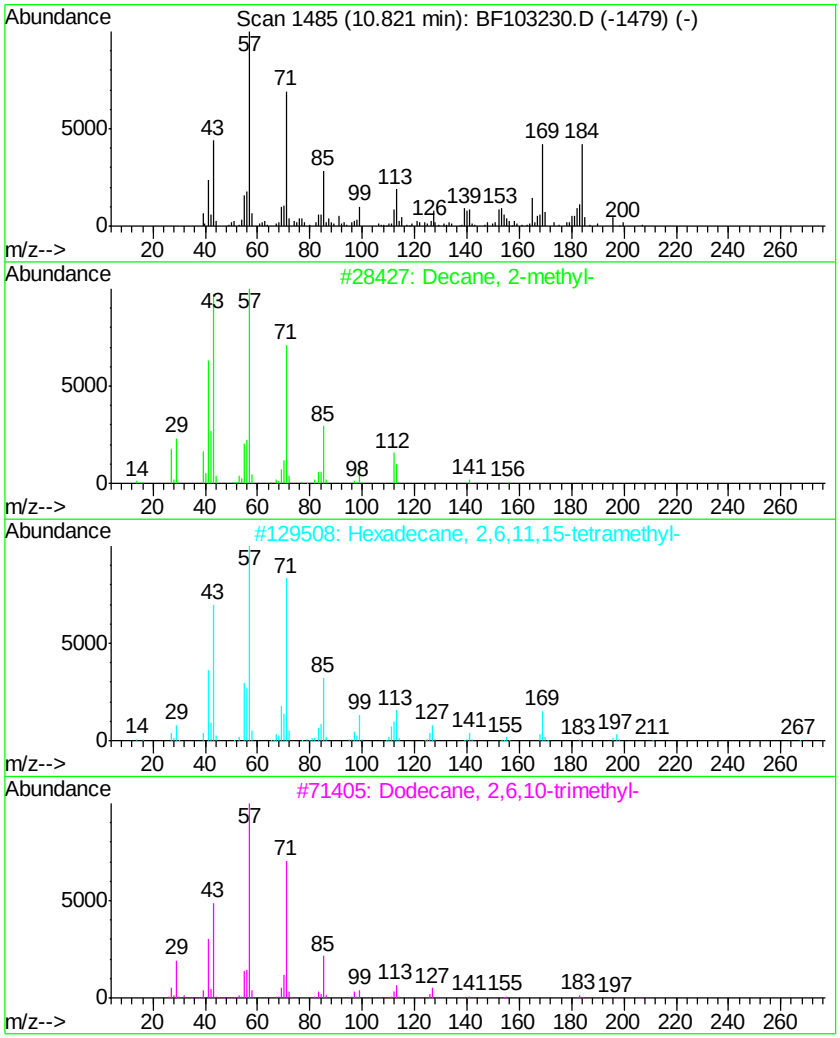
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

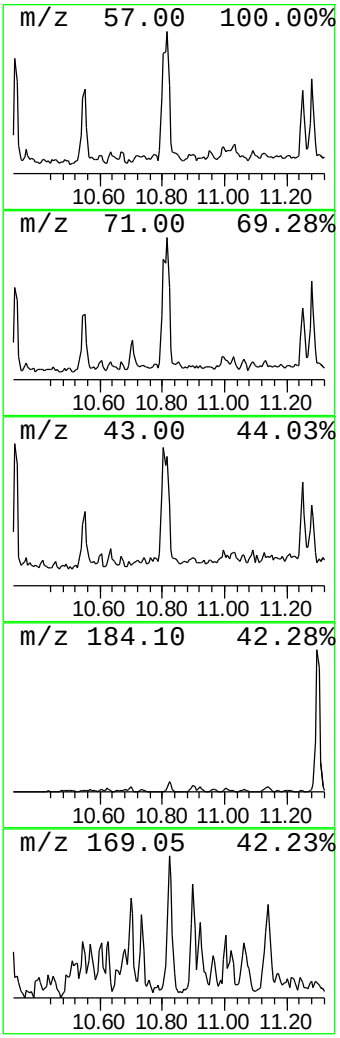
****

Peak Number 3 Decane, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	6.05 ng	330960	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	76
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	62
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	59
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	58
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103230.D
Acq On : 26 Feb 2018 21:04
Operator : SJ/JU
Sample : J1691-41 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

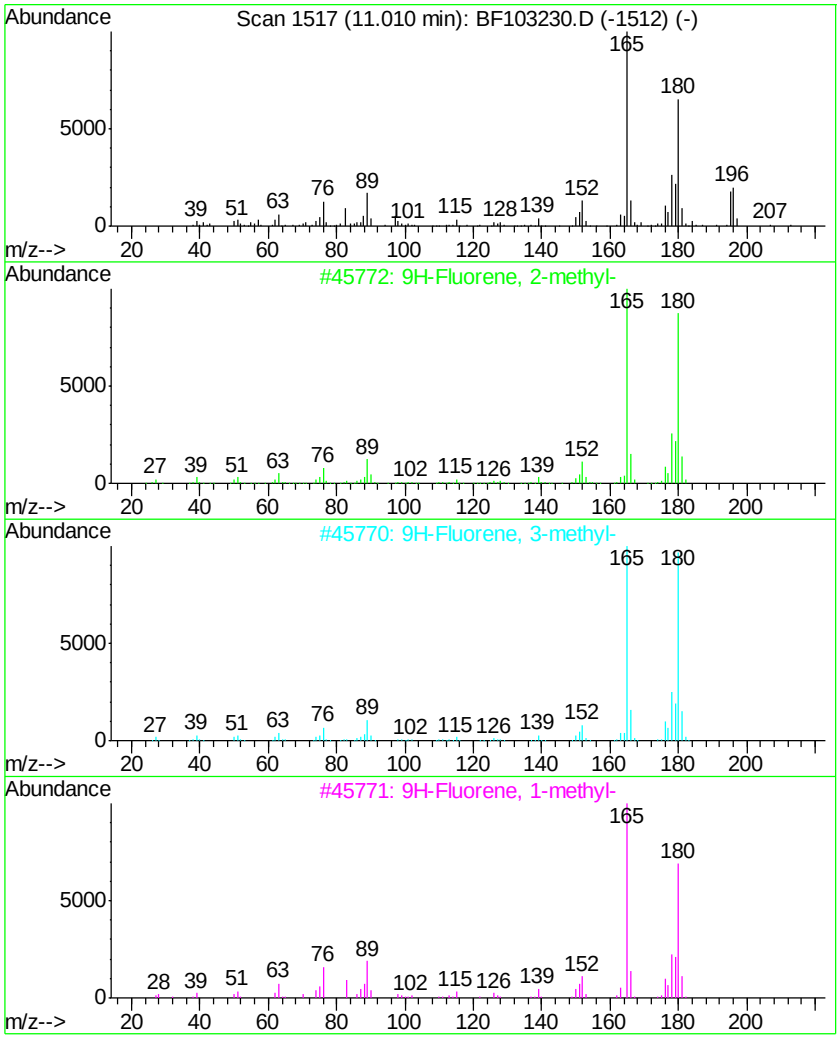
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

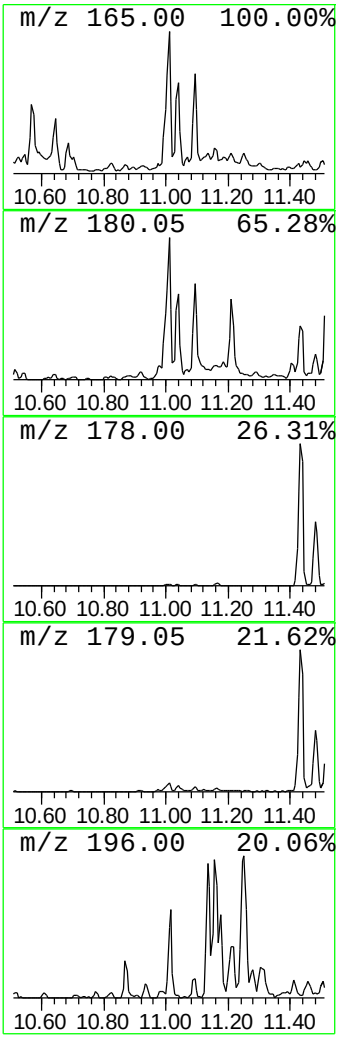
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	5.53 ng	302587	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	92
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103230.D
Acq On : 26 Feb 2018 21:04
Operator : SJ/JU
Sample : J1691-41 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

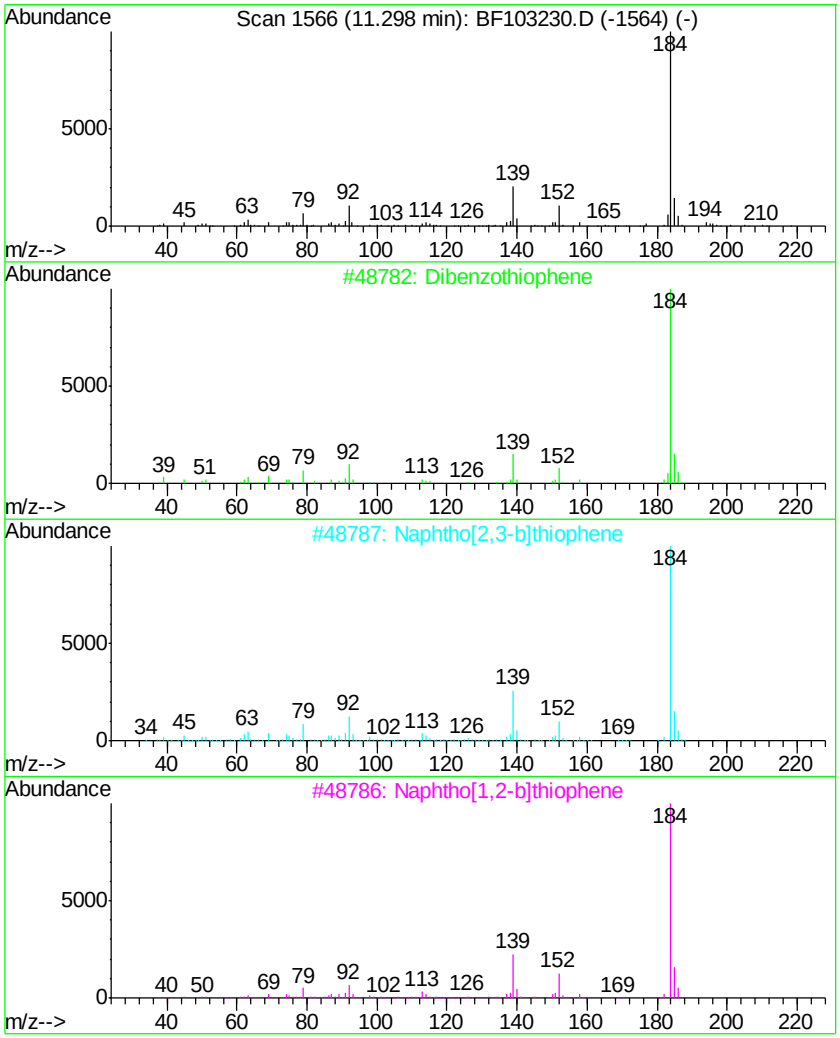
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

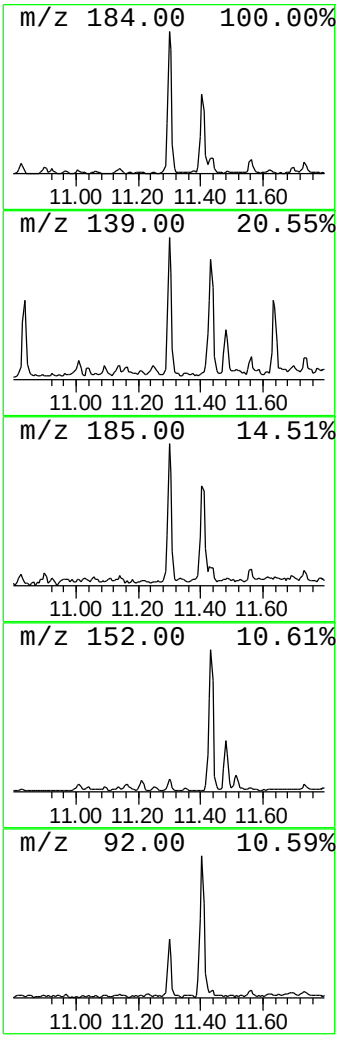
****

Peak Number 5 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	5.32 ng	291034	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103230.D
Acq On : 26 Feb 2018 21:04
Operator : SJ/JU
Sample : J1691-41 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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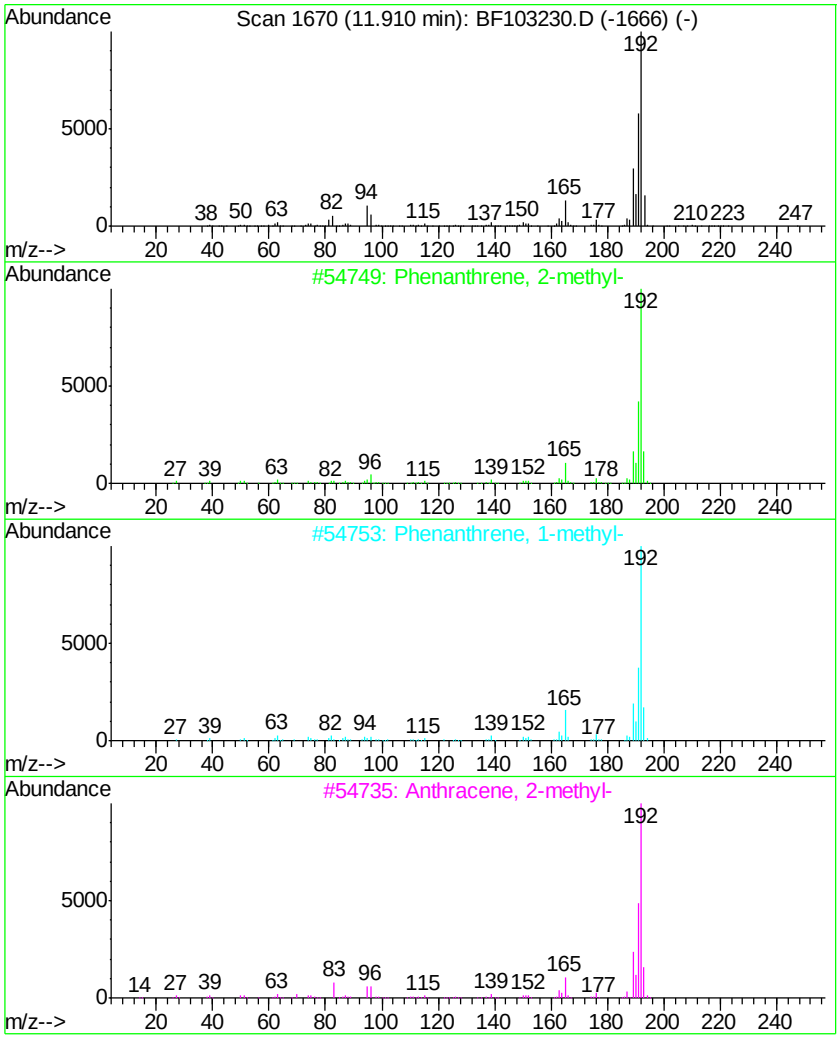
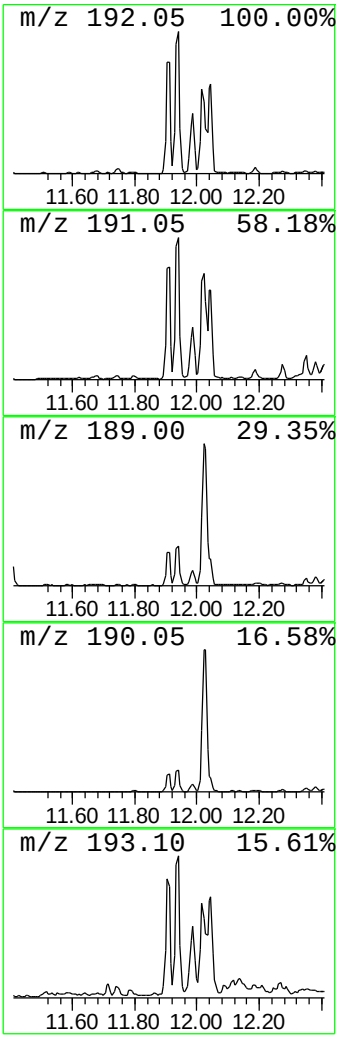
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	16.75 ng	916062	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Data File : BF103230.D
Acq On : 26 Feb 2018 21:04
Operator : SJ/JU
Sample : J1691-41 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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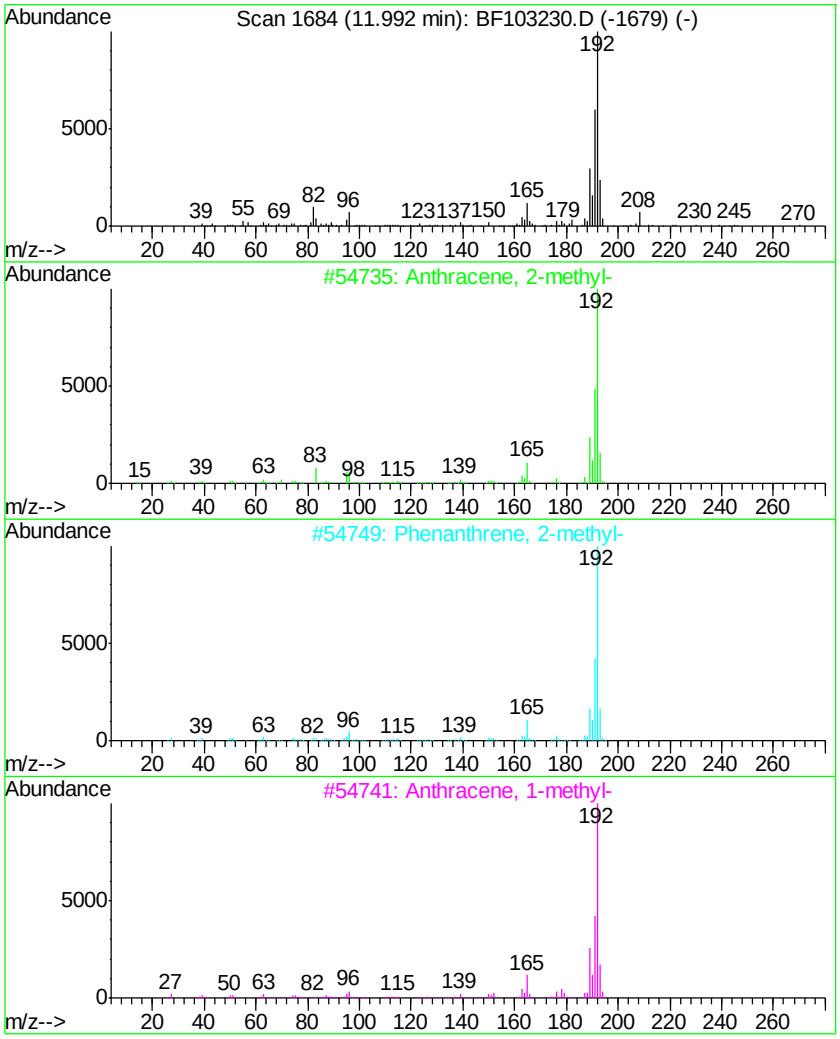
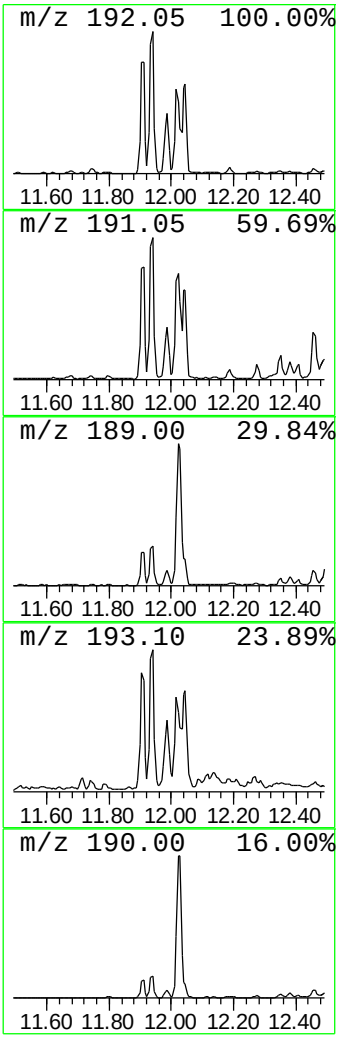
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	7.76 ng	424475	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Misc :
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Instrument : BNA_F
ClientSampleId : B11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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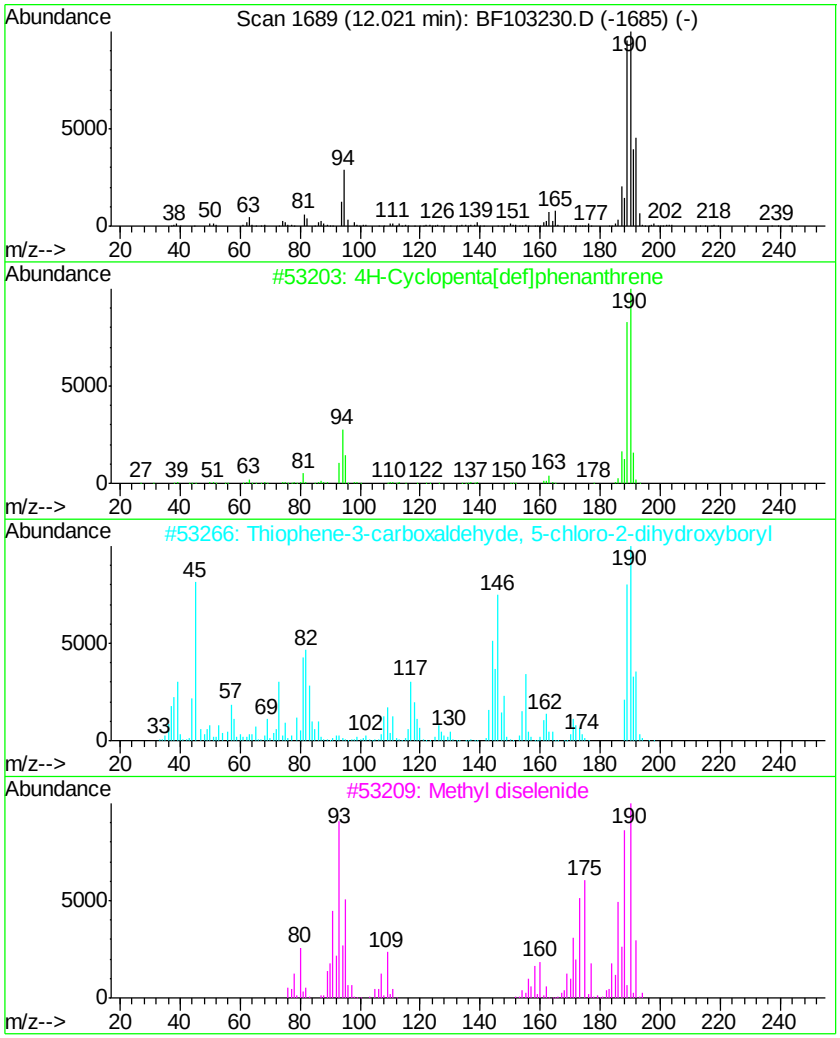
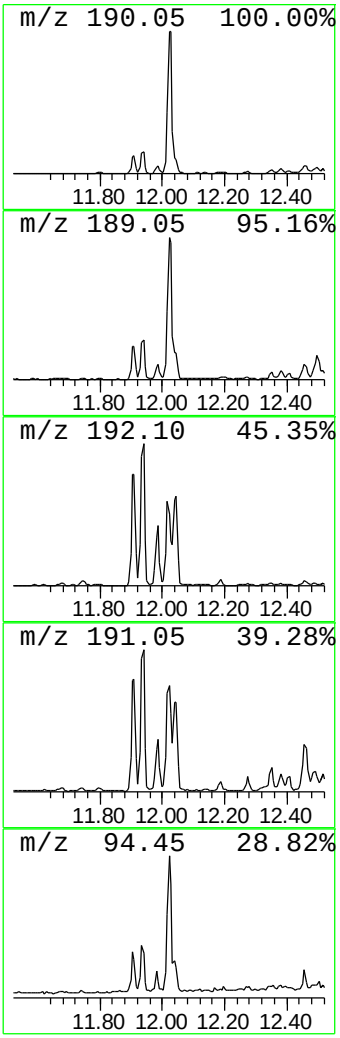
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	34.04 ng	1862250	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	38
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	28
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	23





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Instrument : BNA_F
ClientSampleId : B11

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TIC Library : C:\DATABASE\NIST11.L
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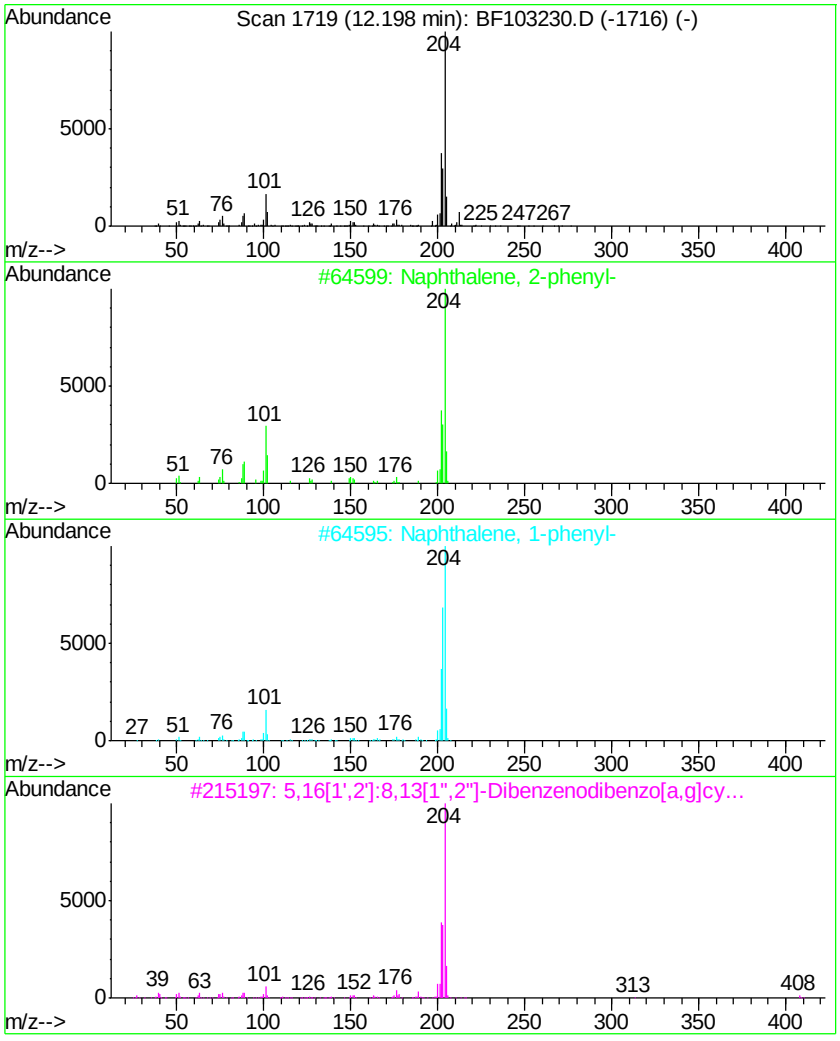
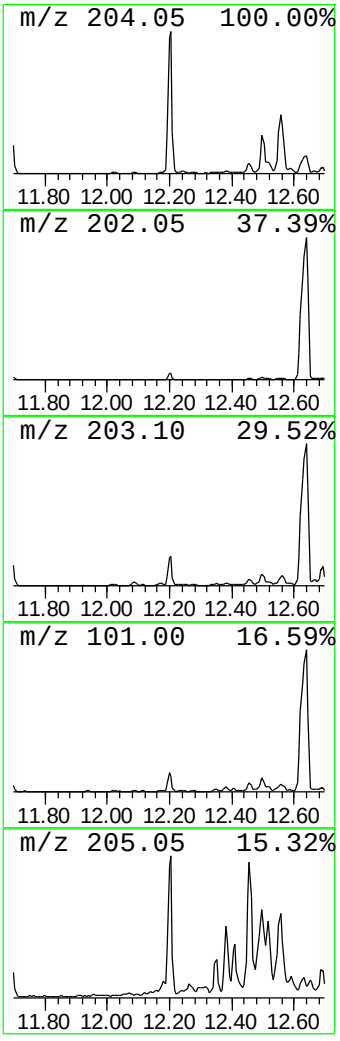
Peak Number 11 Naphthalene, 1-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	12.50 ng	683885	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Levamisole	204	C11H12N2S	014769-73-4	53





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Sample : J1691-41 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B11

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TIC Library : C:\DATABASE\NIST11.L
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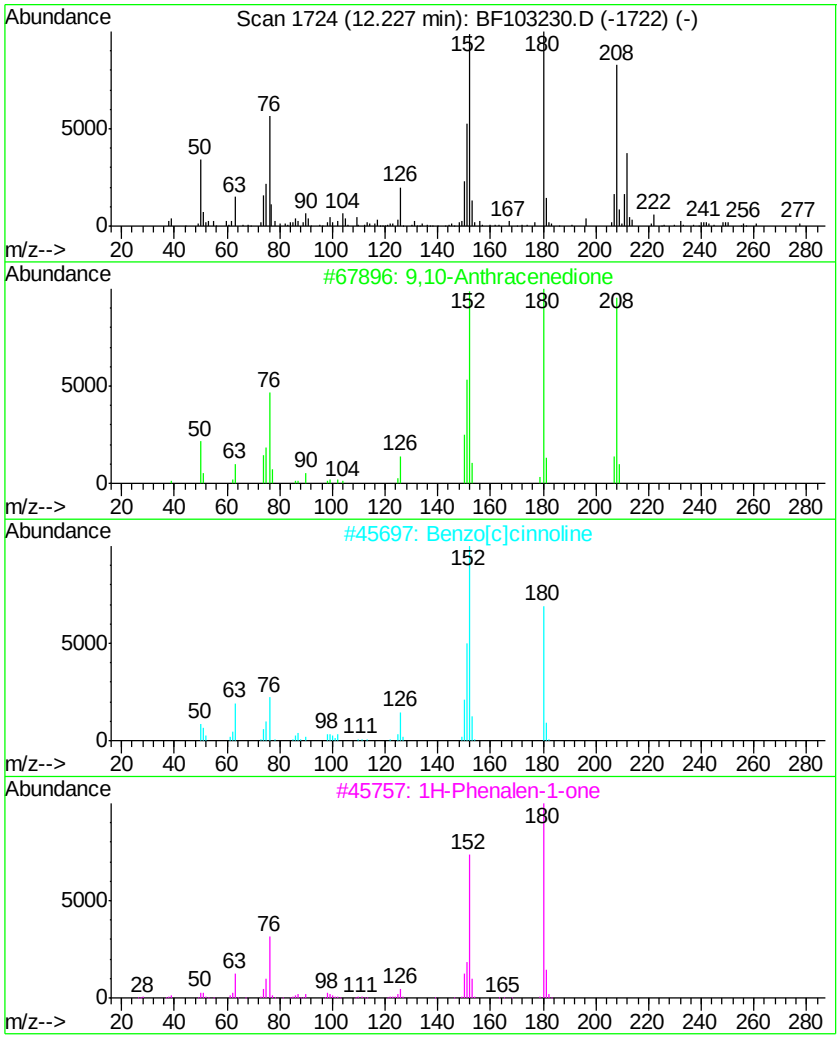
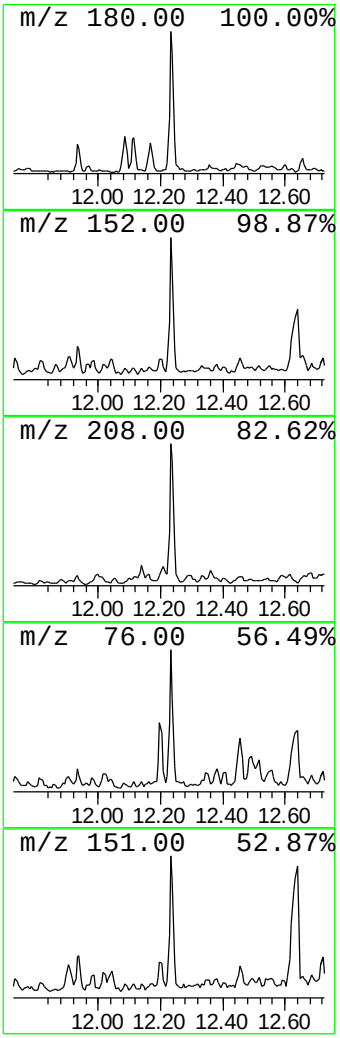
Peak Number 12 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	6.83 ng	373451	Phenanthrene-d10	11.40

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	89
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	49





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Acq On : 26 Feb 2018 21:04
Operator : SJ/JU
Sample : J1691-41 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B11

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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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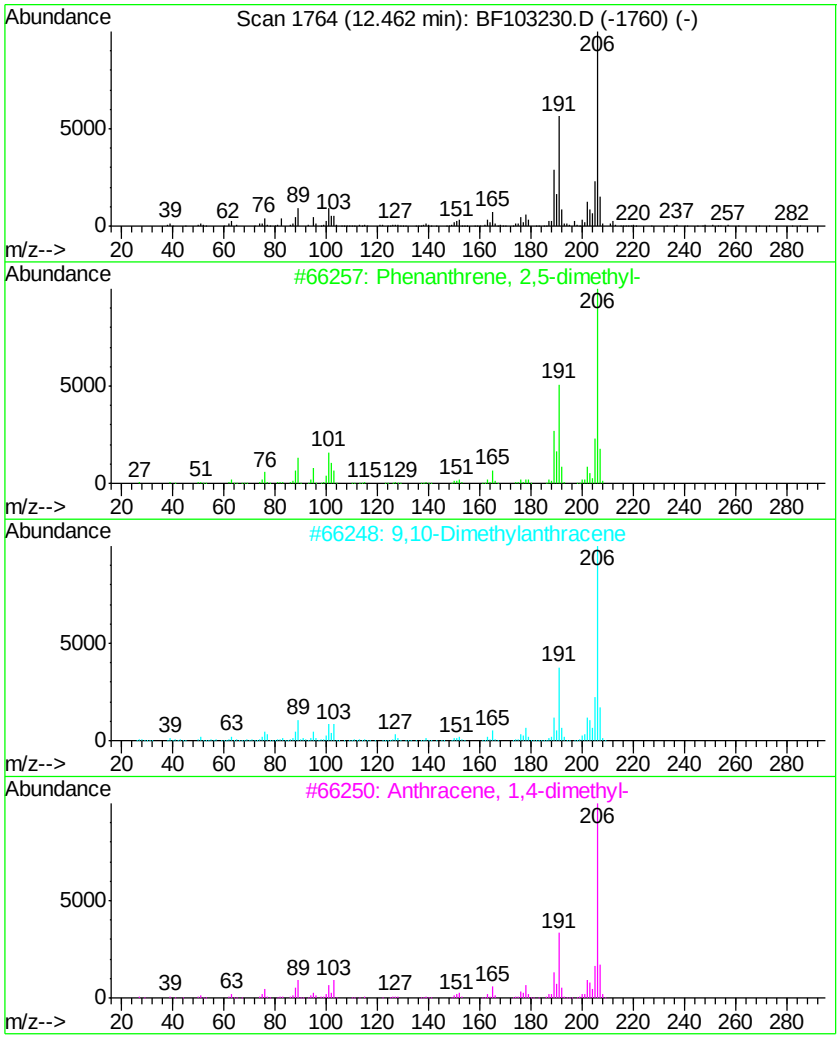
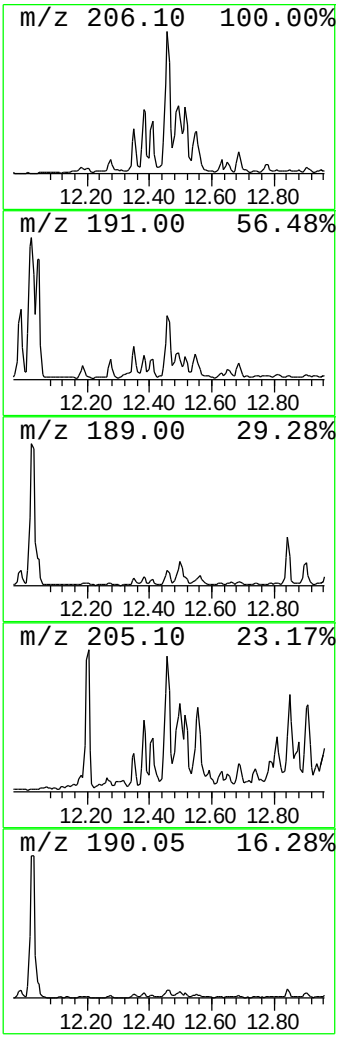
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	11.38 ng	622294	Phenanthrene-d10	11.40

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	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Operator : SJ/JU
Sample : J1691-41 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B11

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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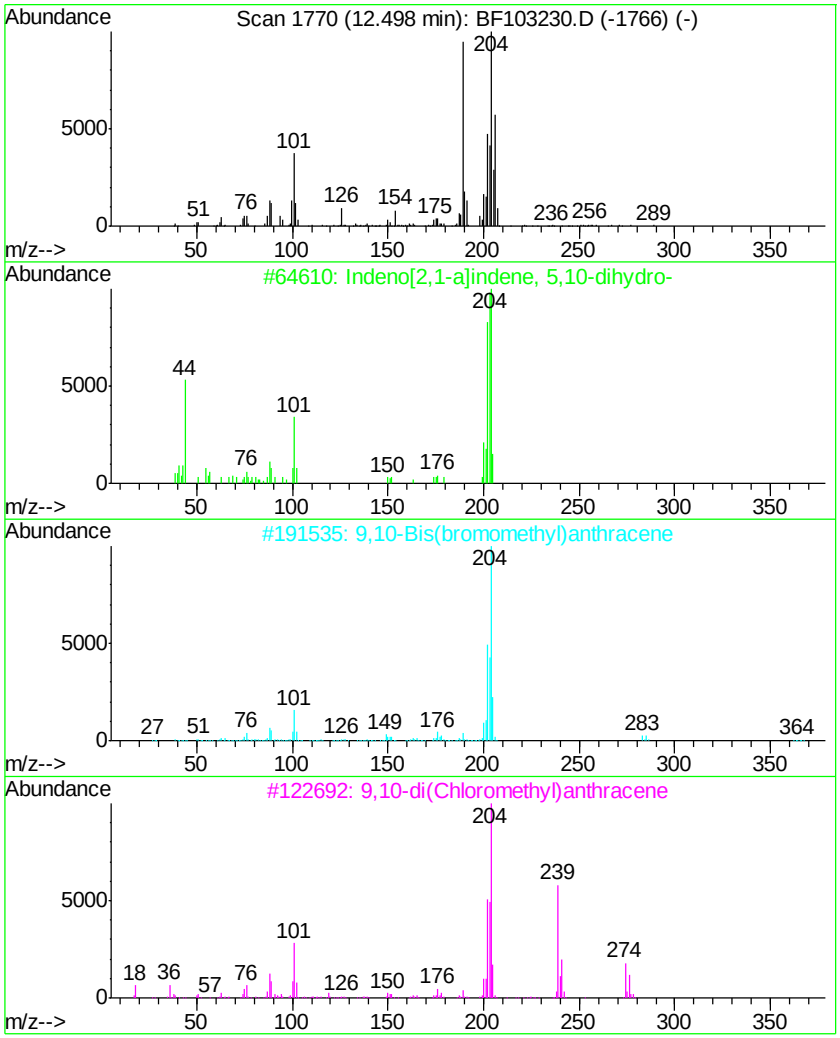
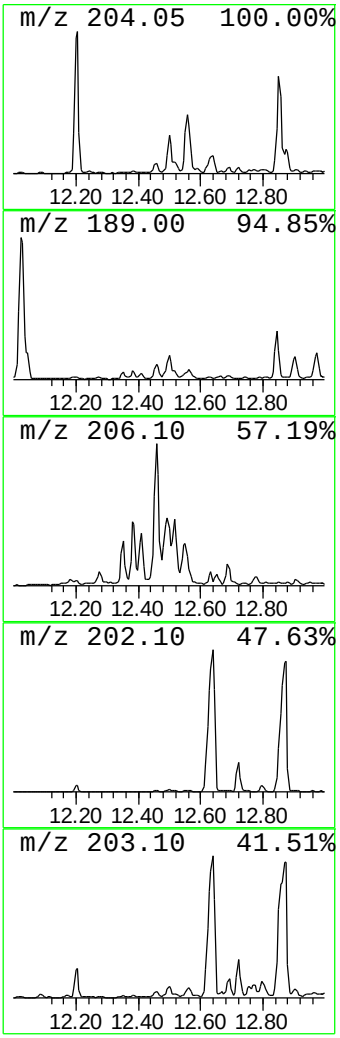
Peak Number 14 unknown12.50 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	10.11 ng	552757	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	49
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	47
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	41
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B11

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TIC Integration Parameters: LSCINT.P

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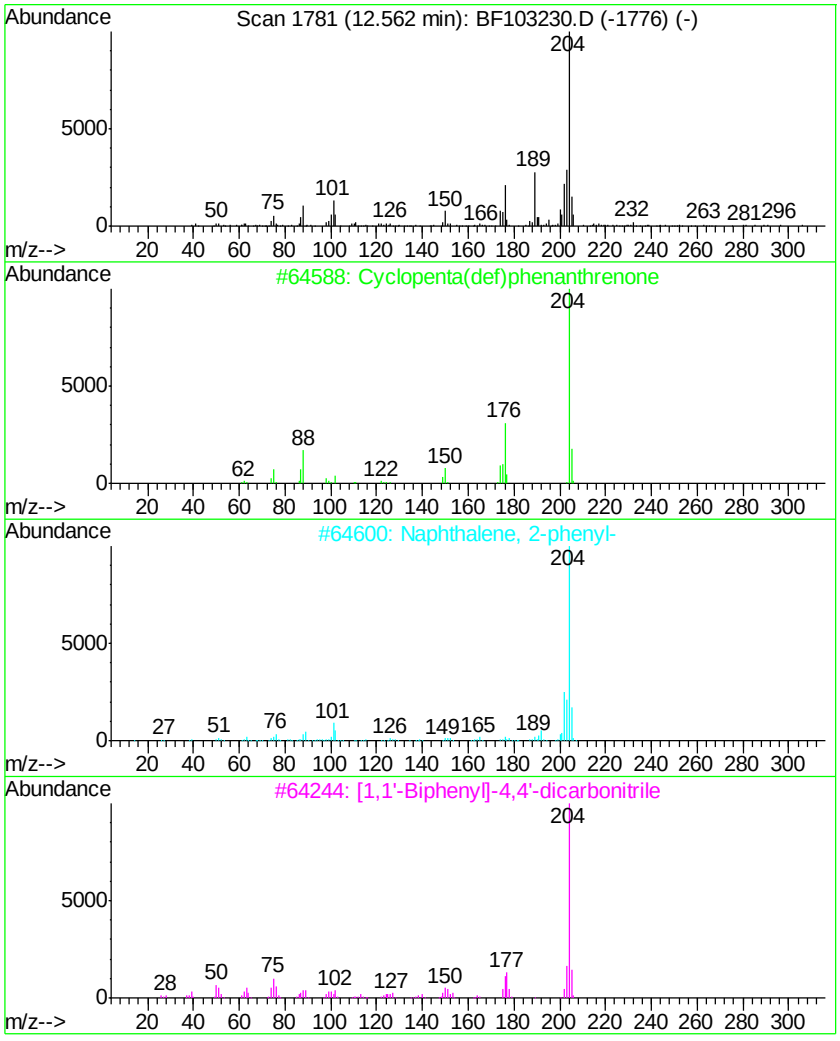
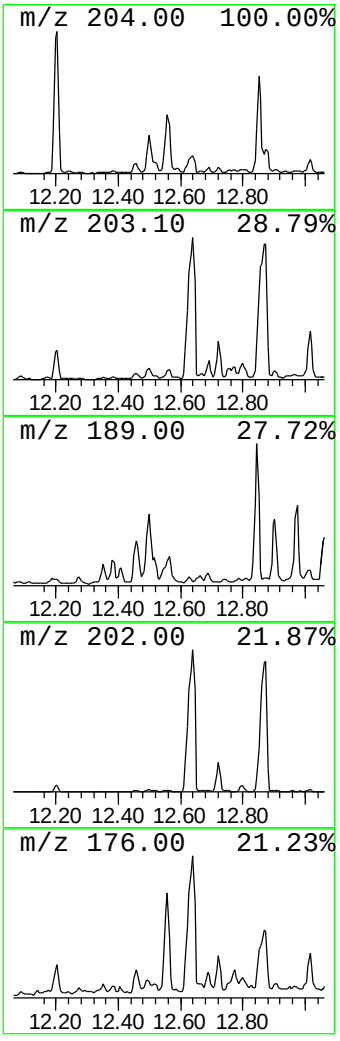
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	8.69 ng	475395	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	[1,2,4]Triazolo[5,1-b]quinazolin...	204	C10H12N4O	1000337-56-5	47





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ClientSampleId : B11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
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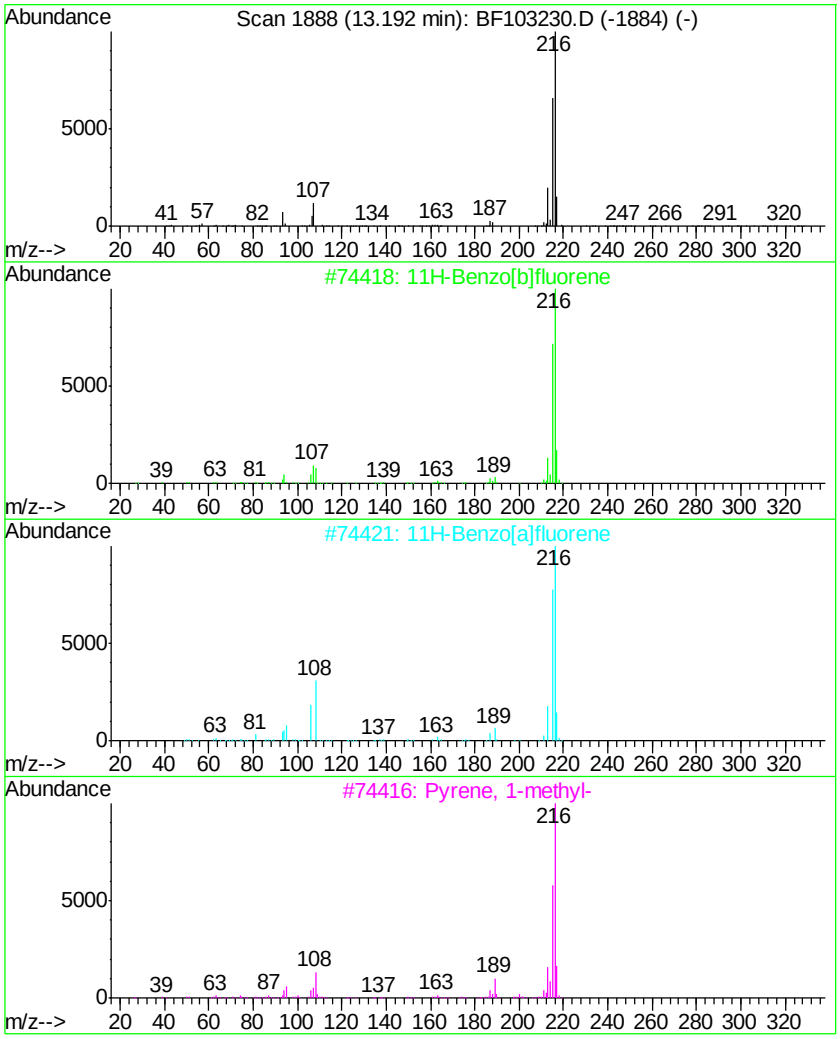
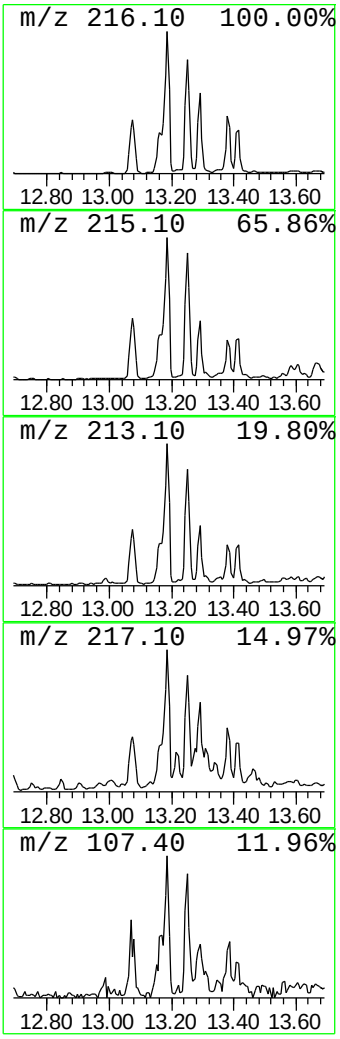
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	6.44 ng	1436380	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Misc :
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Instrument : BNA_F
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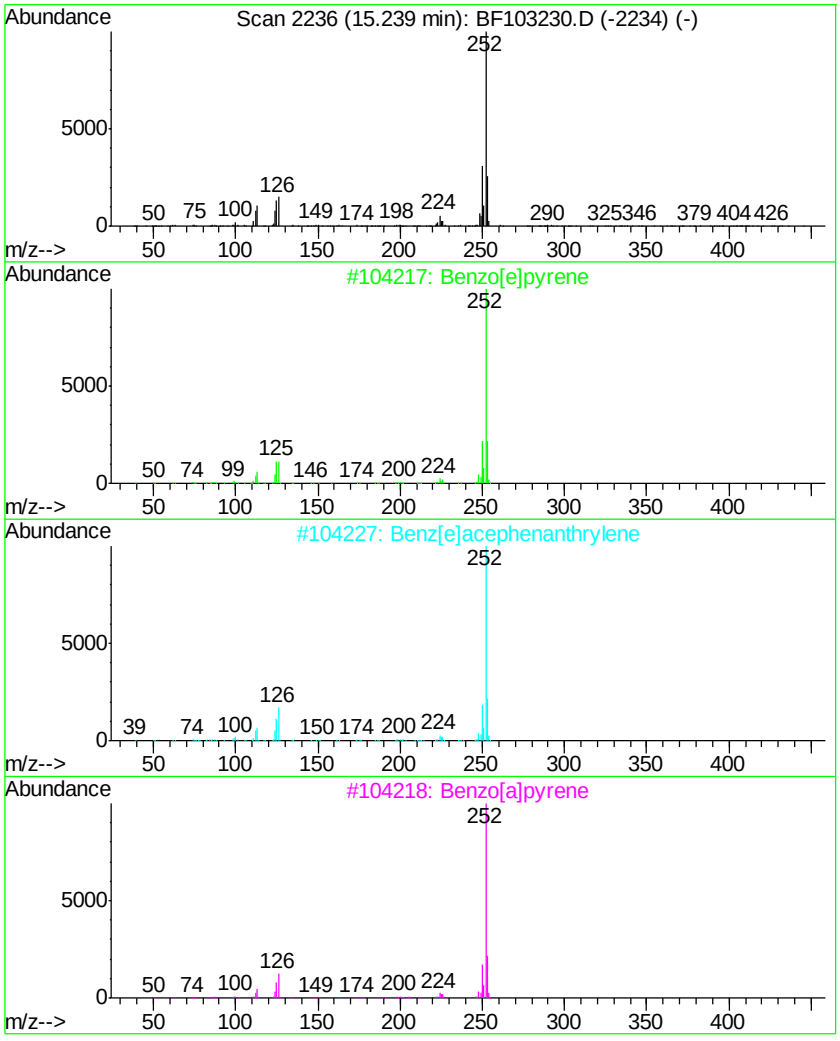
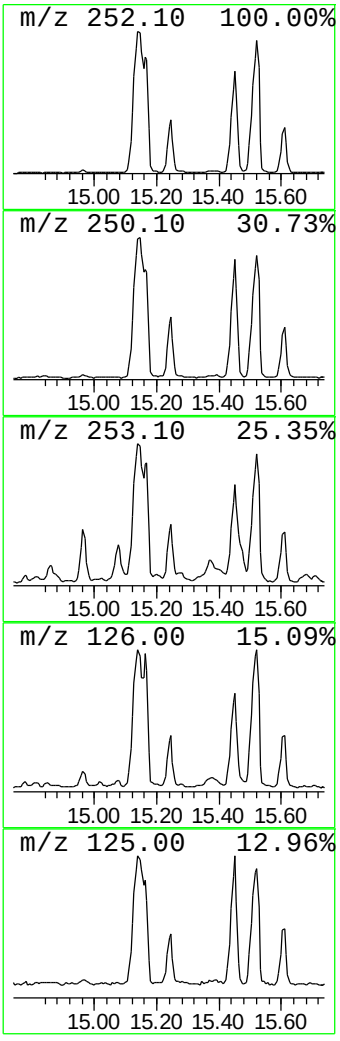
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	15.58 ng	694927	Perylene-d12	15.57

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





Tentatively Identified Compound (LSC) summary

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Data File : BF103230.D
Acq On : 26 Feb 2018 21:04
Operator : SJ/JU
Sample : J1691-41 2X
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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.64	6.64	32.7	ng	1684110	1	6.87	1030290	20.0
Decane, 2-methyl-	10.82	6.0	ng	330960	4	11.40	1094030	20.0
9H-Fluorene, 2-me...	11.01	5.5	ng	302587	4	11.40	1094030	20.0
Dibenzothiophene	11.30	5.3	ng	291034	4	11.40	1094030	20.0
Phenanthrene, 2-m...	11.91	16.8	ng	916062	4	11.40	1094030	20.0
Anthracene, 2-met...	11.99	7.8	ng	424475	4	11.40	1094030	20.0
4H-Cyclopenta[def...	12.02	34.0	ng	1862250	4	11.40	1094030	20.0
Naphthalene, 1-ph...	12.20	12.5	ng	683885	4	11.40	1094030	20.0
9,10-Anthracenedione	12.23	6.8	ng	373451	4	11.40	1094030	20.0
Phenanthrene, 2,5...	12.46	11.4	ng	622294	4	11.40	1094030	20.0
unknown12.50	12.50	10.1	ng	552757	4	11.40	1094030	20.0
Cyclopenta(def)ph...	12.56	8.7	ng	475395	4	11.40	1094030	20.0
11H-Benzo[b]fluorene	13.19	6.4	ng	1436380	5	14.07	4459180	20.0
Benzo[e]pyrene	15.24	15.6	ng	694927	6	15.57	892206	20.0