LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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	5.087	505	510	521	rBV	97947	150278	5.38%	0.314%
2	5.498	577	580	600	rBV	913241	1532951	54.86%	3.205%
3	6.386	728	731	738	rBV2	55941	82679	2.96%	0.173%
4	6.510	749	752	764	rBV	1153247	1656554	59.29%	3.464%
5	6.645	771	775	780	rBV	1506852	1509444	54.02%	3.156%
6	6.692	780	783	786	rVB	198885	171654	6.14%	0.359%
7	6.869	810	813	819	rBV	986148	885962	31.71%	1.852%
8	7.028	836	840	847	rVB	1083276	1103423	39.49%	2.307%
9	7.133	852	858	860	rBV4	64863	75054	2.69%	0.157%
10	7.192	864	868	873	rVB2	63781	77181	2.76%	0.161%
11	7.433	906	909	916	rVV2	954669	1173213	41.99%	2.453%
12	8.122	1023	1026	1028	rBV	190341	157018	5.62%	0.328%
13	8.157	1028	1032	1037	rVV	1151575	1308056	46.81%	2.735%
14	8.198	1037	1039	1042	rVV2	114257	97388	3.49%	0.204%
15	8.433	1075	1079	1084	rVB4	65588	83446	2.99%	0.174%
16	8.727	1127	1129	1133	rBV	168320	138009	4.94%	0.289%
17	8.869	1150	1153	1159	rBV	163158	157190	5.63%	0.329%
18	8.969	1167	1170	1175	rVB	249871	221607	7.93%	0.463%
19	9.227	1210	1214	1222	rBV	1632911	1449617	51.88%	3.031%
20	9.292	1222	1225	1229	rBV	177096	171210	6.13%	0.358%
21	9.333	1229	1232	1237	rVB	80842	81987	2.93%	0.171%
22	9.498	1255	1260	1264	rBV	147149	208569	7.46%	0.436%
23	9.569	1268	1272	1275	rVV	255401	289811	10.37%	0.606%
24	9.598	1275	1277	1278	rVV	162955	150199	5.38%	0.314%
25	9.621	1278	1281	1287	rVV	467611	495993	17.75%	1.037%
26	9.686	1288	1292	1300	rVB2	138439	220650	7.90%	0.461%
27	9.769	1303	1306	1311	rBV2	123987	137953	4.94%	0.288%
28	9.822	1311	1315	1320	rVV	170511	171857	6.15%	0.359%
29	9.886	1324	1326	1328	rVV	109802	120747	4.32%	0.252%
30	9.916	1328	1331	1333	rVV	1233300	1199027	42.91%	2.507%
31	9.945	1333	1336	1339	rVV	711170	595492	21.31%	1.245%
32	10.010	1343	1347	1352	rVV2	63464	88771	3.18%	0.186%
33	10.063	1352	1356	1358	rVV4	55554	80774	2.89%	0.169%
34	10.116	1361	1365	1368	rVV	511976	506924	18.14%	1.060%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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	10.151	1368	1371	1375	rVB3	133043	134667	4.82%	0.282%
36	10.227	1381	1384	1387	rBV	104692	119045	4.26%	0.249%
37	10.257	1387	1389	1394	rVB2	92763	91296	3.27%	0.191%
38	10.321	1395	1400	1405	rBV2	289503	339869	12.16%	0.711%
39	10.463	1420	1424	1429	rVV	966329	873140	31.25%	1.826%
40	10.545	1433	1438	1441	rVV3	242791	340584	12.19%	0.712%
41	10.598	1445	1447	1448	rVV	100121	86938	3.11%	0.182%
42	10.616	1448	1450	1456	rVB	189332	198089	7.09%	0.414%
43	10.710	1461	1466	1471	rBV2	947540	1028182	36.80%	2.150%
44	10.798	1478	1481	1487	rBV	226179	337303	12.07%	0.705%
45	11.010	1511	1517	1520	rVV2	213350	299963	10.74%	0.627%
46	11.039	1520	1522	1524	rVV	127653	118619	4.25%	0.248%
47	11.092	1528	1531	1534	rVB3	111177	114708	4.11%	0.240%
48	11.139	1534	1539	1541	rBV3	105276	165672	5.93%	0.346%
49	11.163	1541	1543	1548	rVV	106652	122915	4.40%	0.257%
50	11.216	1548	1552	1555	rVV4	63640	83226	2.98%	0.174%
51	11.251	1555	1558	1561	rVV2	227043	260725	9.33%	0.545%
52	11.304	1564	1567	1573	rVB	304447	265310	9.50%	0.555%
53	11.410	1581	1585	1587	rBV	1084899	1193330	42.71%	2.495%
54	11.439	1587	1590	1593	rVV	2753158	2732150	97.78%	5.712%
55	11.486	1594	1598	1601	rVV	1354758	1139625	40.79%	2.383%
56	11.521	1602	1604	1608	rVV	76554	76011	2.72%	0.159%
57	11.645	1620	1625	1628	rVV	279743	309717	11.08%	0.648%
58	11.674	1628	1630	1632	rVV	151622	122037	4.37%	0.255%
59	11.739	1639	1641	1645	rVV2	88114	101770	3.64%	0.213%
60	11.780	1645	1648	1650	rVB2	92346	80427	2.88%	0.168%
61	11.910	1666	1670	1673	rBV	508160	508185	18.19%	1.063%
62	11.939	1673	1675	1678	rVV	614972	487664	17.45%	1.020%
63	11.986	1680	1683	1686	rVV	297008	260164	9.31%	0.544%
64	12.027	1686	1690	1697	rVB2	815099	1105975	39.58%	2.312%
65	12.086	1697	1700	1703	rBV2	135963	127236	4.55%	0.266%
66	12.204	1717	1720	1723	rVV	335740	300093	10.74%	0.627%
67	12.239	1724	1726	1730	rVV	86026	93193	3.34%	0.195%
68	12.351	1743	1745	1749	rVB2	79514	73245	2.62%	0.153%
69	12.468	1760	1765	1767	rBV3	488078	643423	23.03%	1.345%
70	12.486	1767	1768	1776	rVB5	319712	417765	14.95%	0.873%
71	12.557	1776	1780	1788	rBV4	106318	223925	8.01%	0.468%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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	12.633	1788	1793	1796	rBV	2683460	2794148	100.00%	5.842%
73	12.692	1800	1803	1807	rVV3	74045	78201	2.80%	0.164%
74	12.780	1815	1818	1820	rBV2	126791	114686	4.10%	0.240%
75	12.845	1825	1829	1830	rBV2	703015	774332	27.71%	1.619%
76	12.862	1830	1832	1837	rVV	2156836	2217406	79.36%	4.636%
77	12.910	1837	1840	1843	rVB2	165192	175150	6.27%	0.366%
78	12.992	1849	1854	1857	rBV2	1037388	1055239	37.77%	2.206%
79	13.074	1864	1868	1872	rBV2	178395	331683	11.87%	0.693%
80	13.186	1884	1887	1893	rVB2	555583	612757	21.93%	1.281%
81	13.251	1895	1898	1901	rBV	497993	463712	16.60%	0.970%
82	13.292	1901	1905	1908	rBV2	227811	289158	10.35%	0.605%
83	13.386	1918	1921	1923	rBV	139918	110387	3.95%	0.231%
84	13.415	1923	1926	1929	rBV2	146260	161566	5.78%	0.338%
85	13.545	1945	1948	1953	rBV4	130847	172352	6.17%	0.360%
86	13.592	1953	1956	1957	rBV2	77775	81232	2.91%	0.170%
87	13.668	1967	1969	1973	rBV2	77830	98808	3.54%	0.207%
88	13.704	1973	1975	1978	rVB2	99600	88941	3.18%	0.186%
89	13.809	1991	1993	1995	rBV	179942	153332	5.49%	0.321%
90	13.833	1995	1997	2000	rVV	195034	167766	6.00%	0.351%
91	13.874	2000	2004	2009	rVV4	286590	403485	14.44%	0.844%
92	14.062	2031	2036	2039	rBV2	1222348	1972164	70.58%	4.123%
93	14.092	2039	2041	2048	rVB	1048794	975199	34.90%	2.039%
94	14.174	2052	2055	2057	rBV	283615	249476	8.93%	0.522%
95	14.586	2123	2125	2127	rBV	127623	124407	4.45%	0.260%
96	15.139	2215	2219	2221	rBV	642128	948973	33.96%	1.984%
97	15.245	2235	2237	2241	rVB	180116	178652	6.39%	0.374%
98	15.451	2269	2272	2276	rVB	395869	425753	15.24%	0.890%
99	15.521	2280	2284	2287	rVV	526537	680546	24.36%	1.423%
100	15.580	2291	2294	2297	rBV	340666	401912	14.38%	0.840%

Sum of corrected areas: 47828297

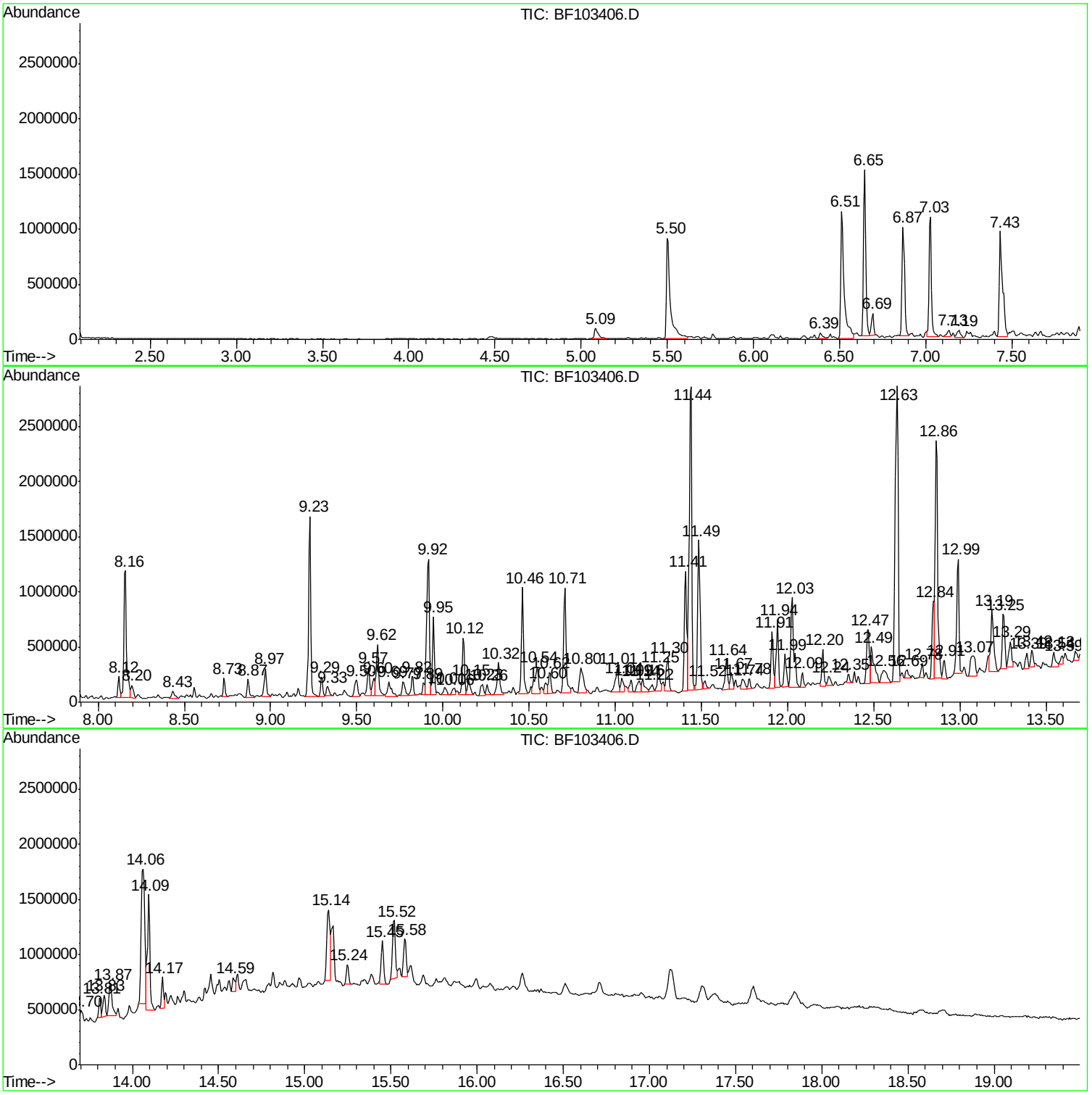
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

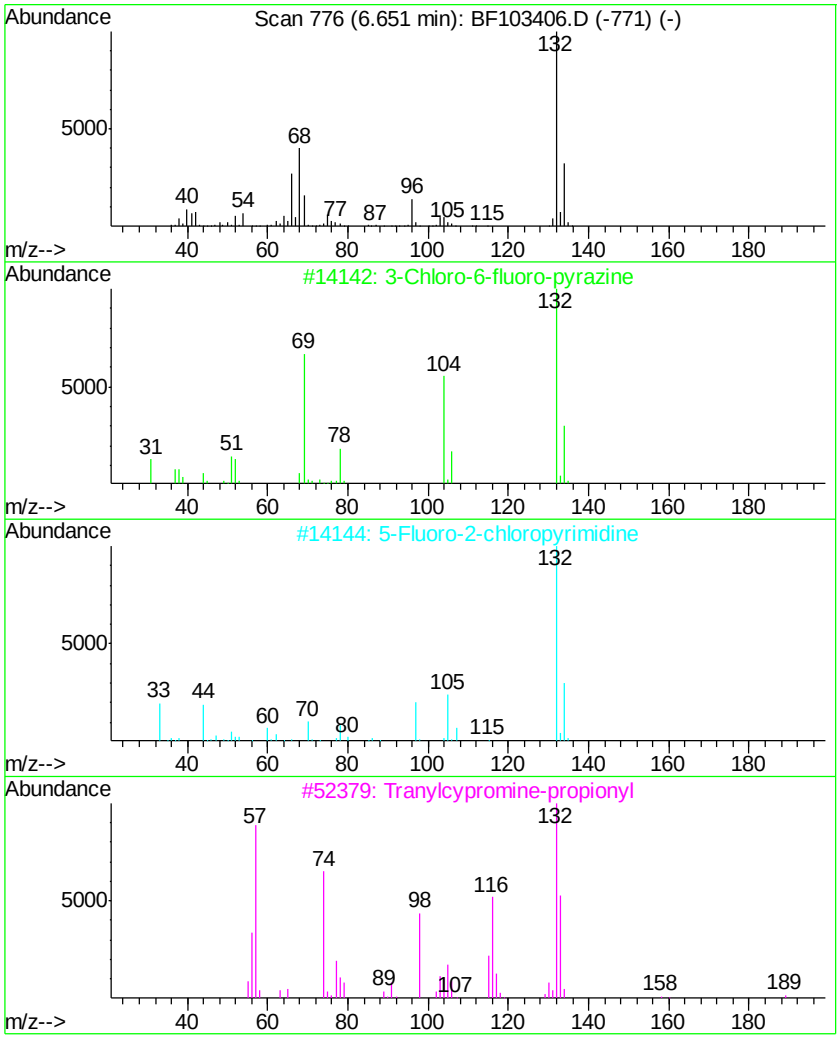
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

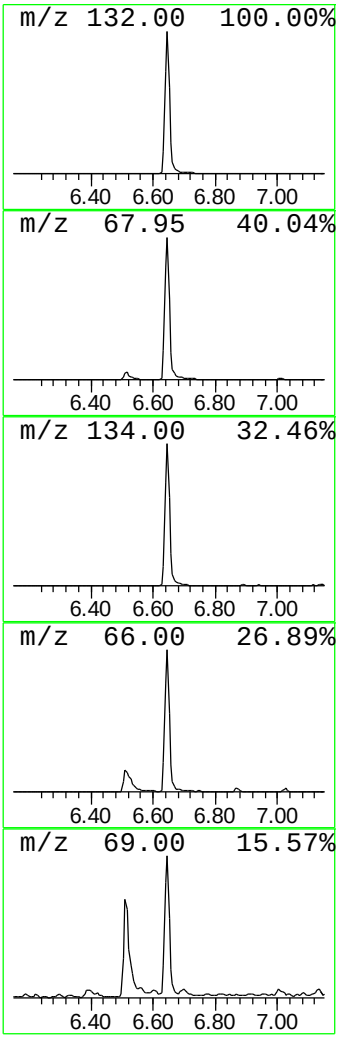
****

Peak Number 1 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	34.07 ng	1509440	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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

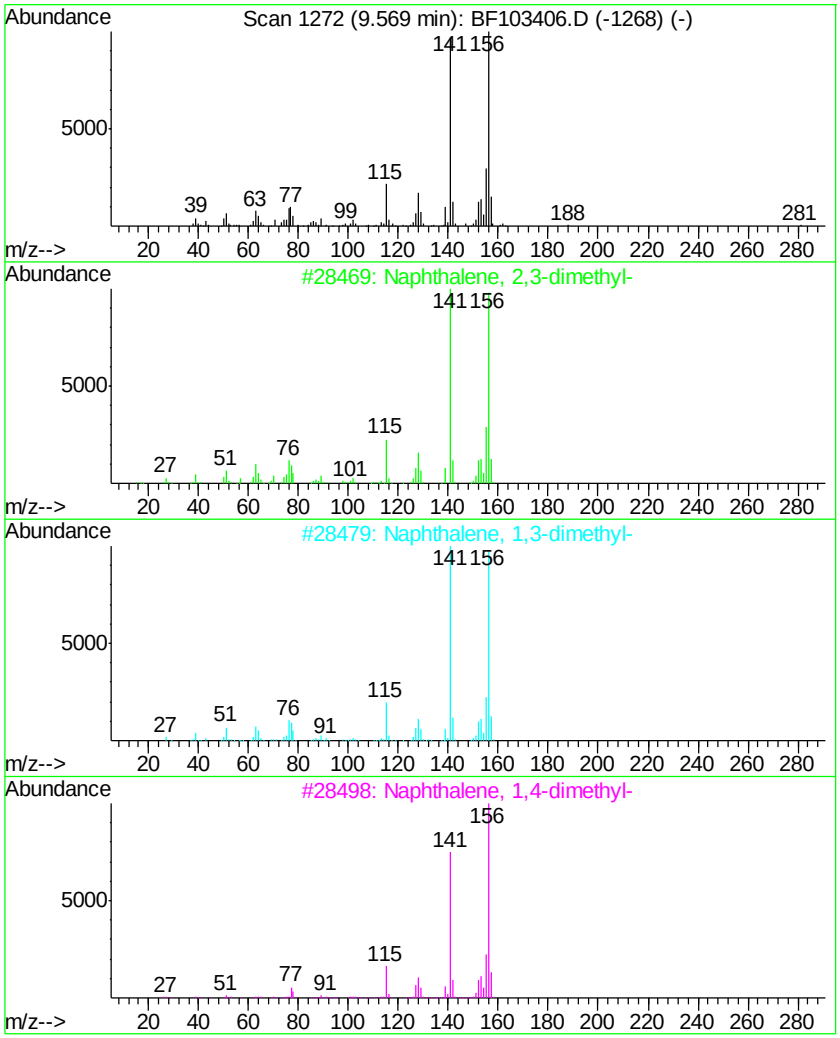
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

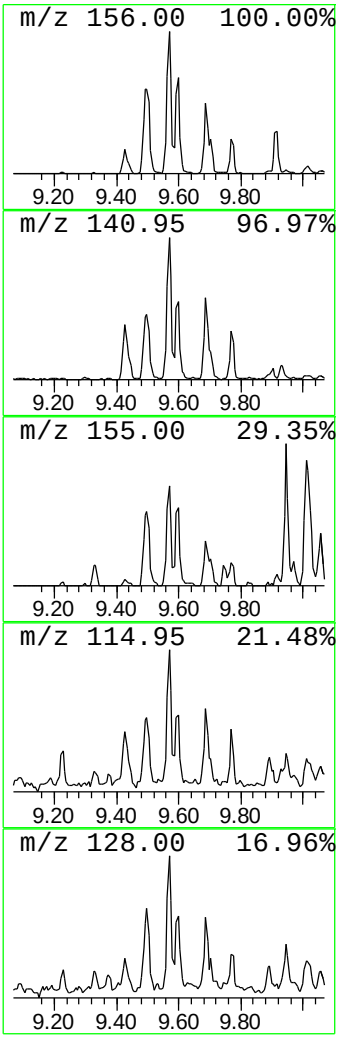
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	4.83 ng	289811	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

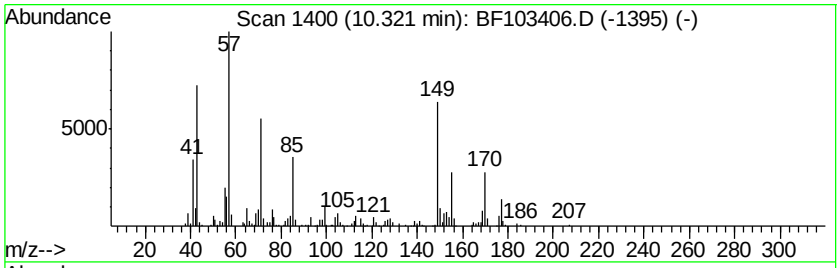
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

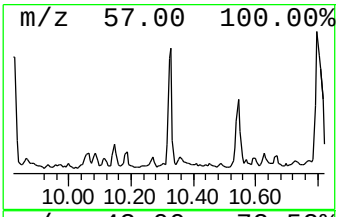
****

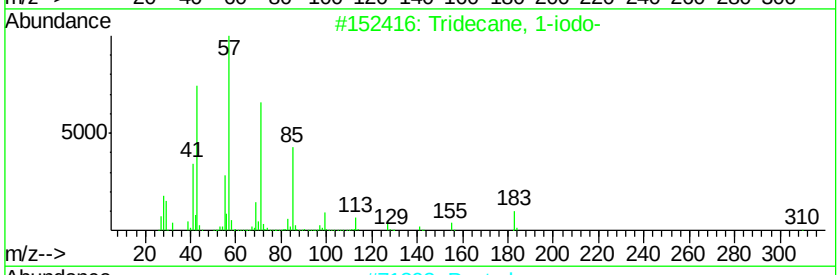
Peak Number 4 unknown10.32 Concentration Rank 12

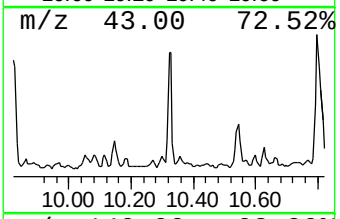
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	5.67 ng	339869	Acenaphthene-d10	9.92

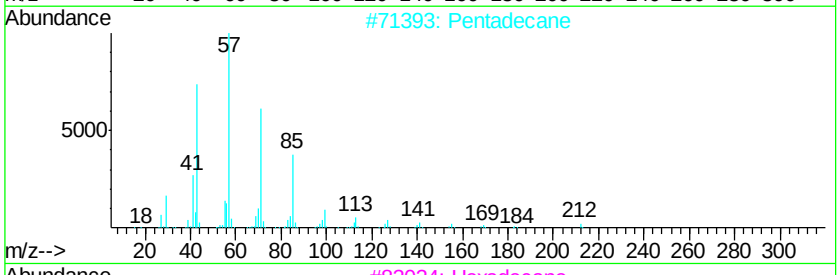
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	38
2	Pentadecane	212	C15H32	000629-62-9	38
3	Hexadecane	226	C16H34	000544-76-3	38
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	38
5	Eicosane	282	C20H42	000112-95-8	38

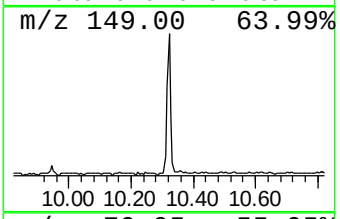


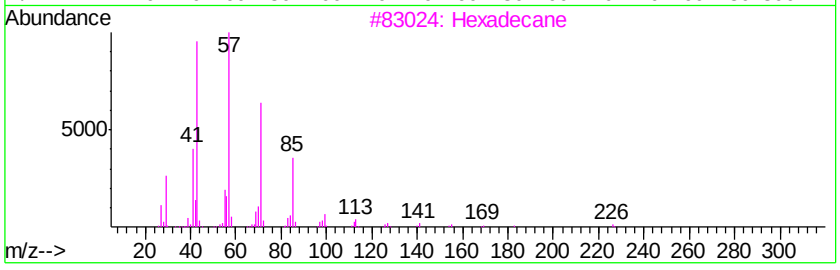


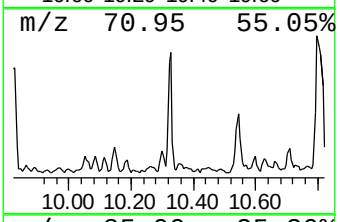


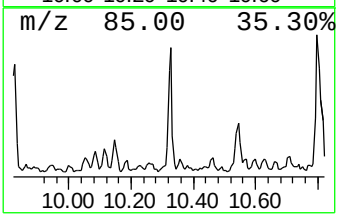












Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

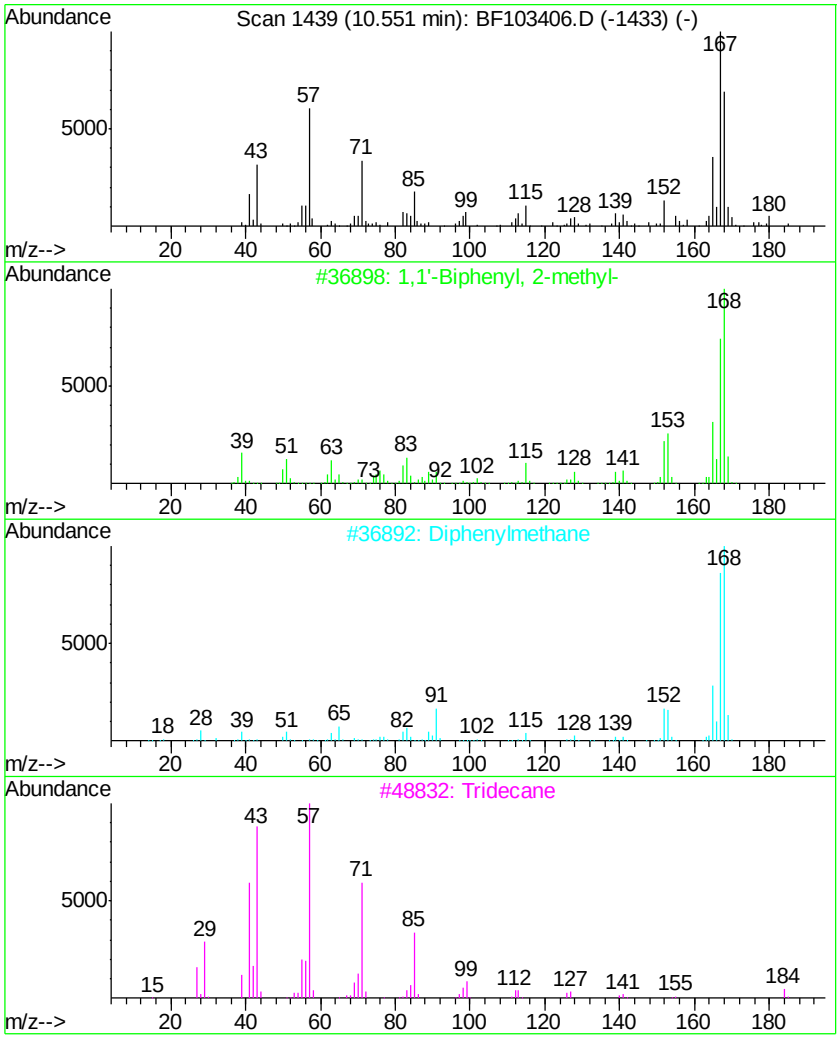
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

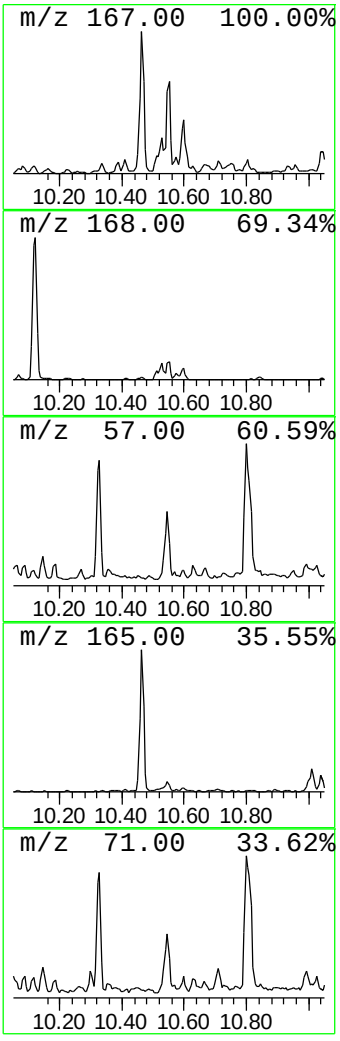
****

Peak Number 5 unknown10.55 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	5.68 ng	340584	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	38
2	Diphenylmethane	168	C13H12	000101-81-5	22
3	Tridecane	184	C13H28	000629-50-5	15
4	Undecane	156	C11H24	001120-21-4	15
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	14





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

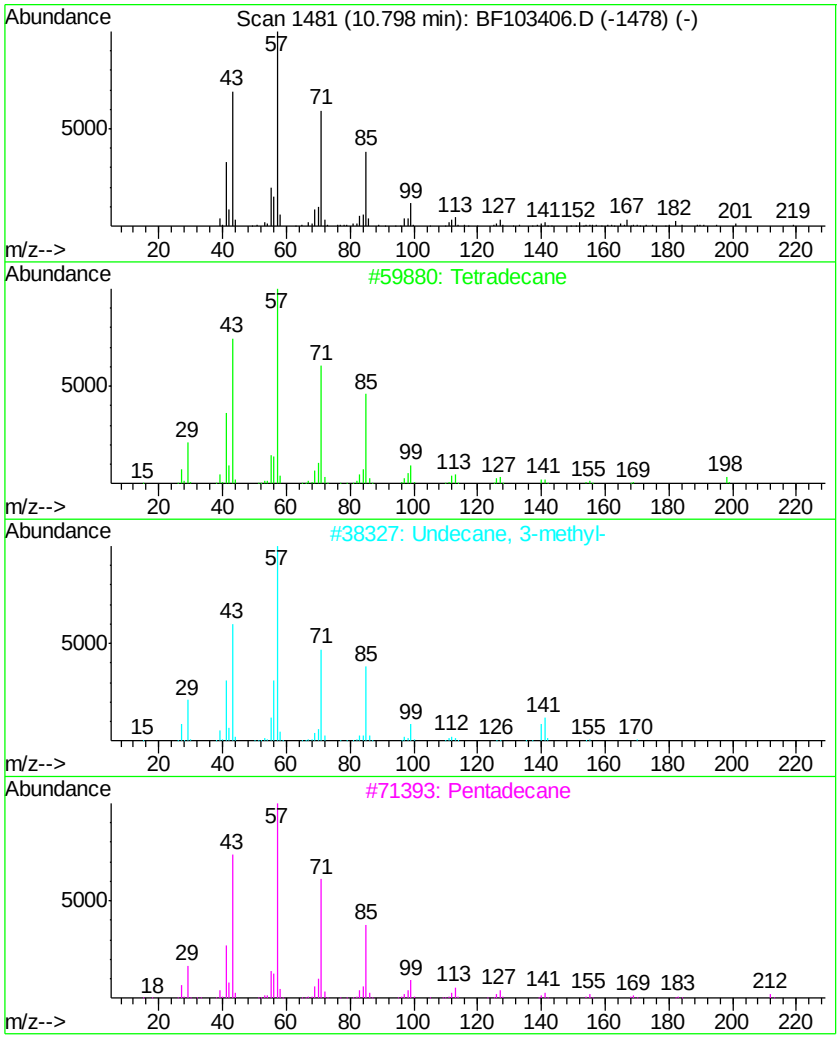
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

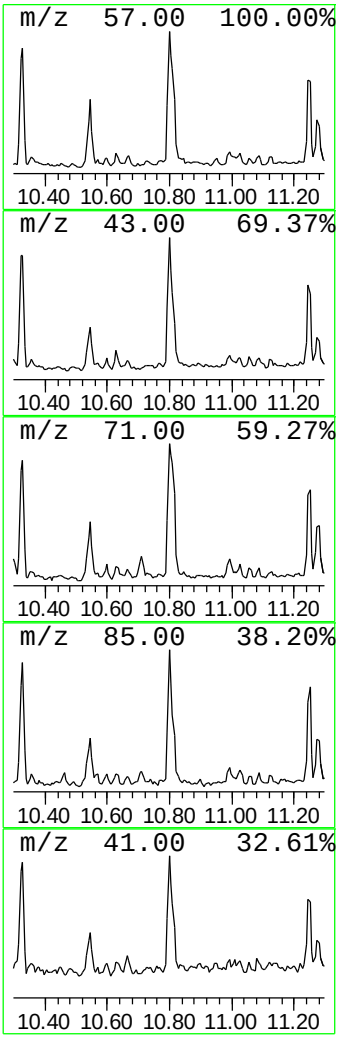
****

Peak Number 6 Tetradecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	5.65 ng	337303	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	87
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	86
3	Pentadecane	212	C15H32	000629-62-9	86
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
5	Tridecane	184	C13H28	000629-50-5	80





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

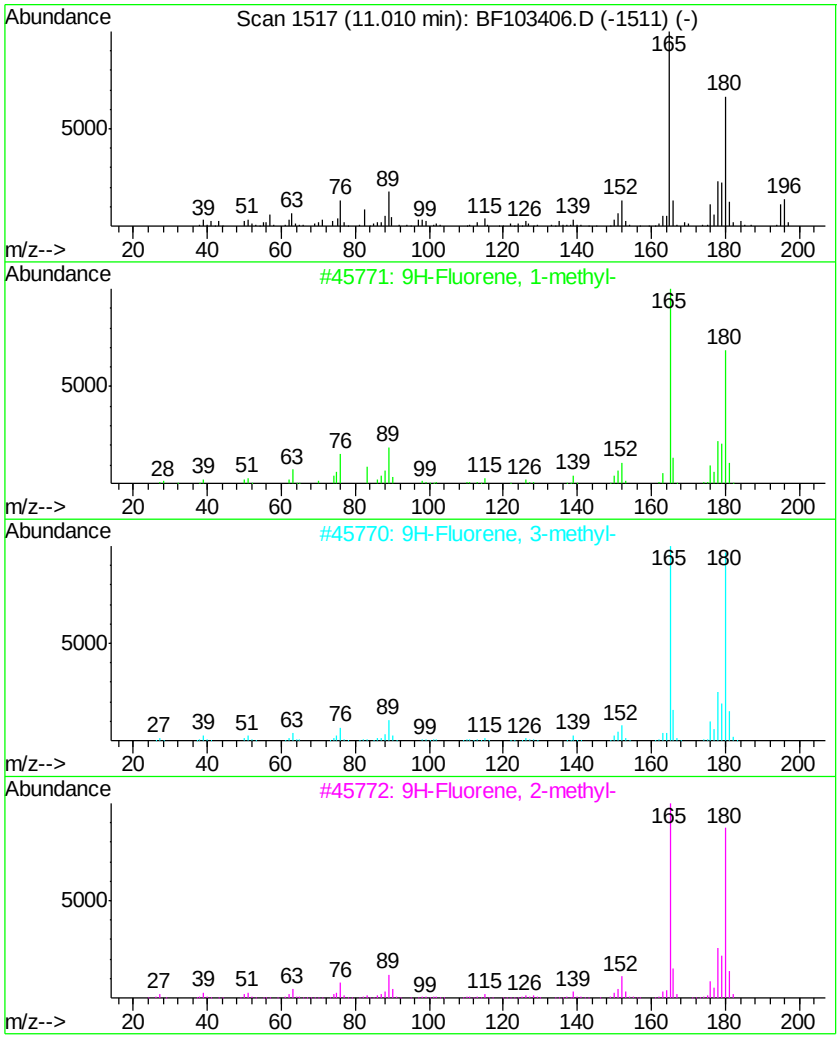
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

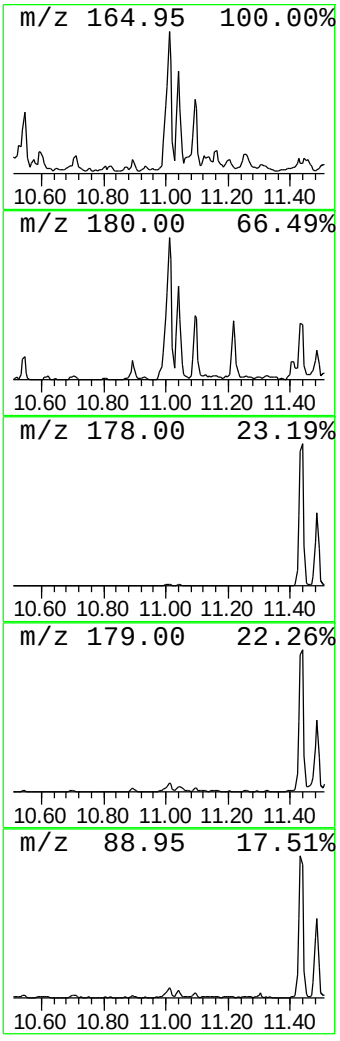
****

Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	5.03 ng	299963	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	78
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

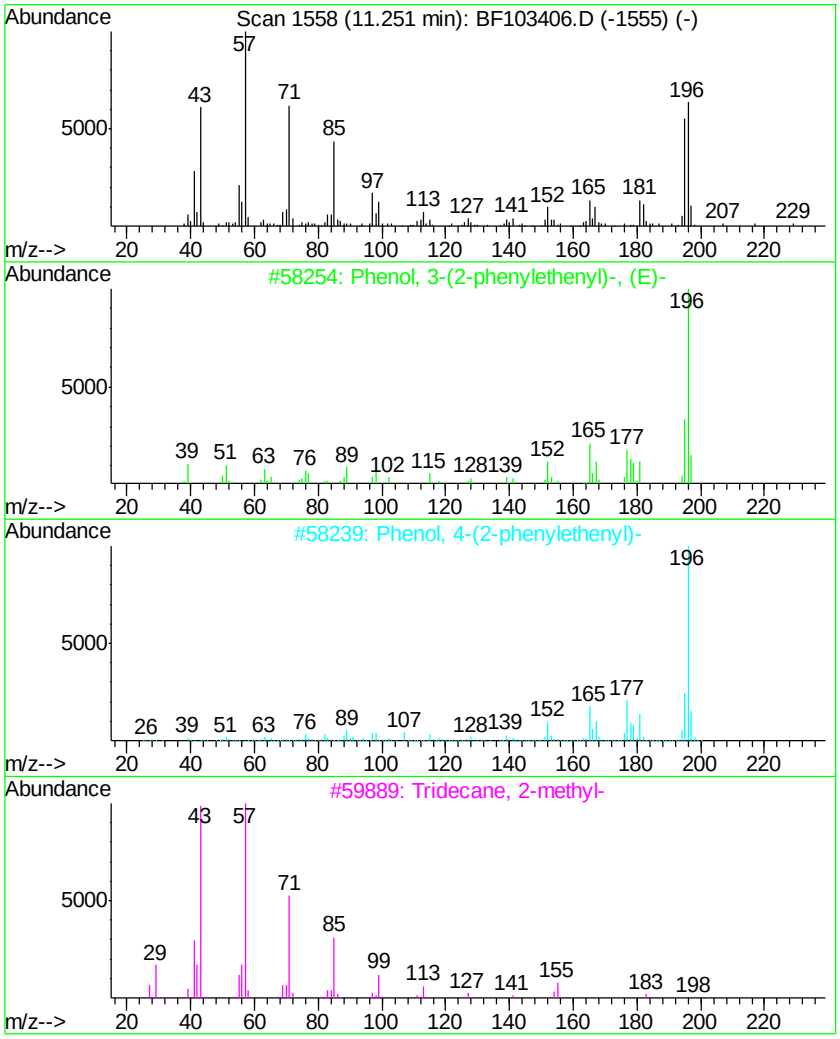
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

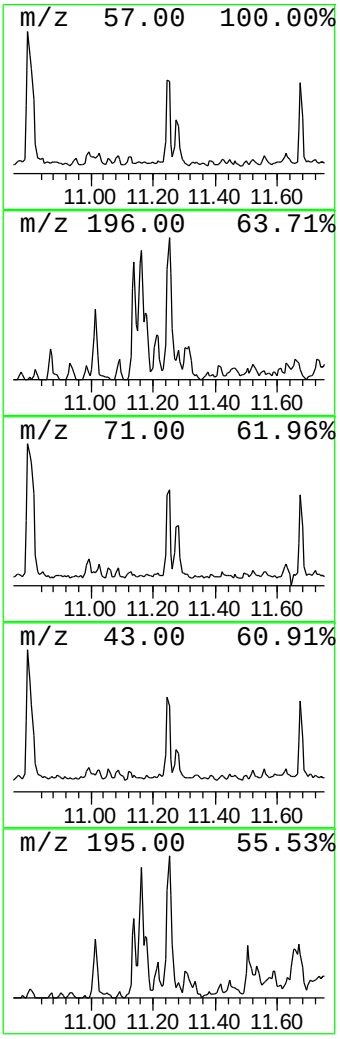
****

Peak Number 8 unknown11.25 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	4.37 ng	260725	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	41
3	Tridecane, 2-methyl-	198	C14H30	001560-96-9	38
4	Tetradecane	198	C14H30	000629-59-4	38
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	30





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

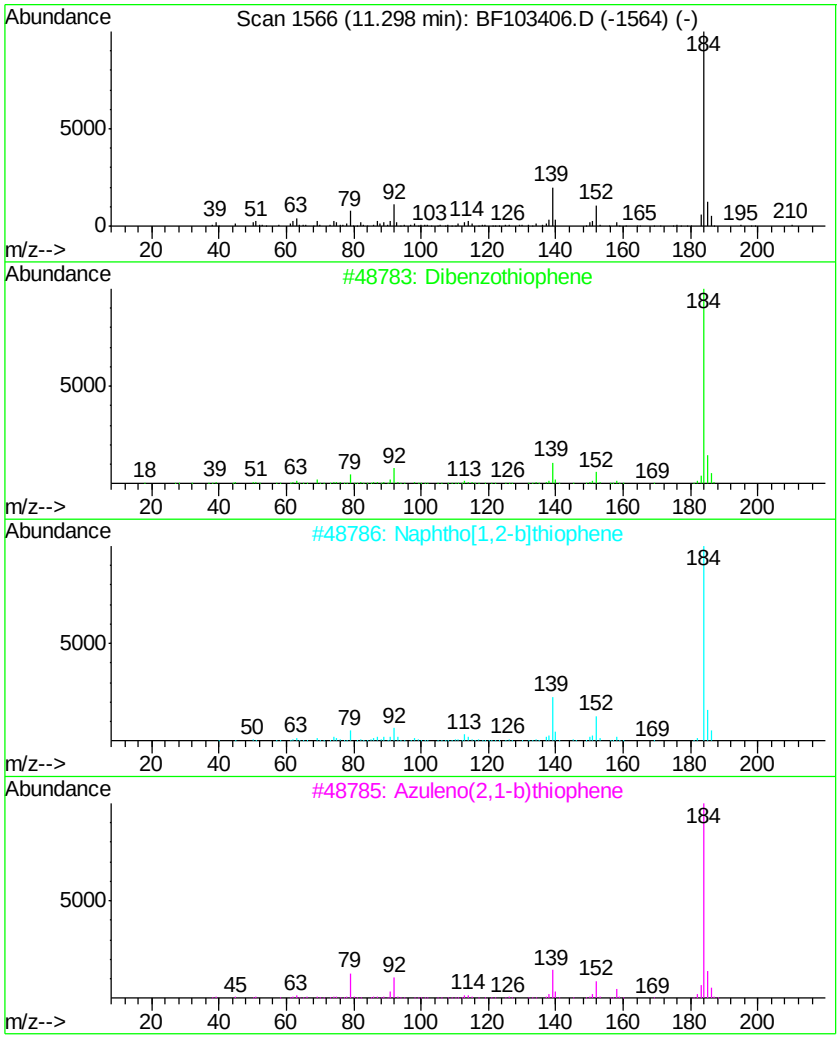
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

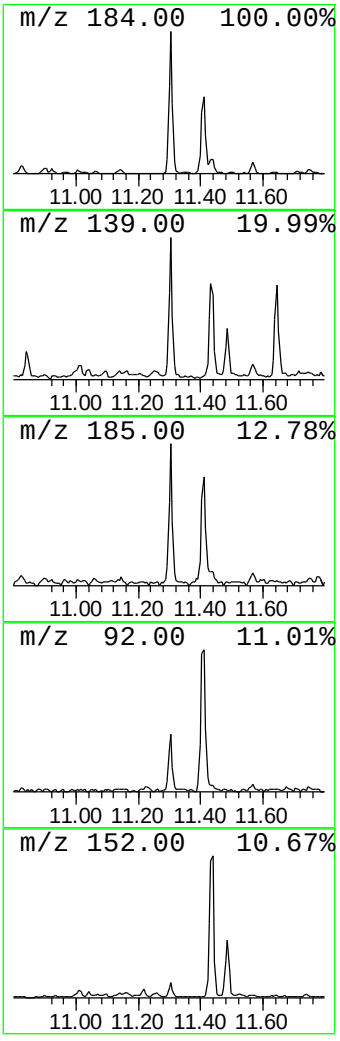
****

Peak Number 9 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	4.45 ng	265310	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	86
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	59





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

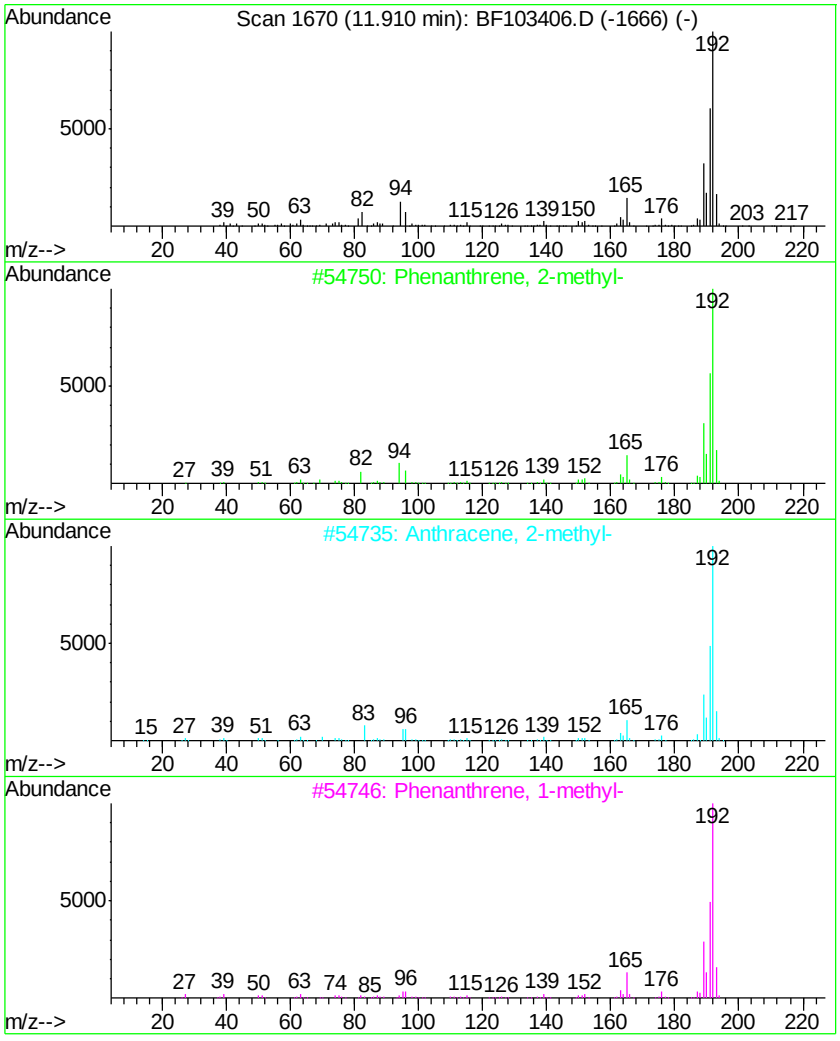
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

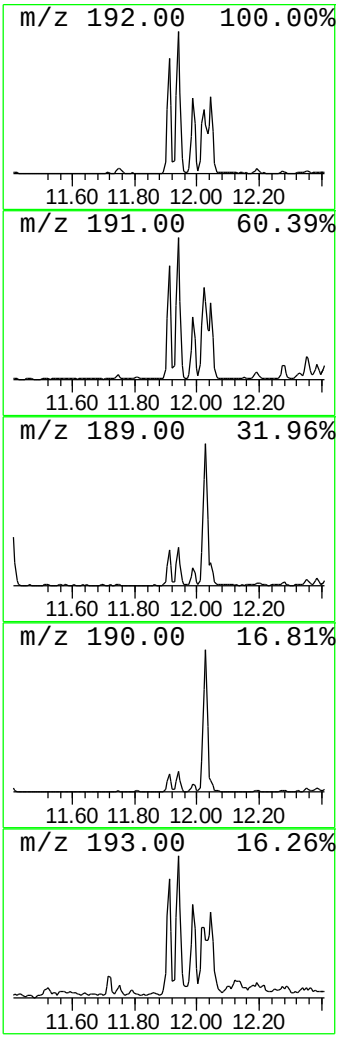
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	8.52 ng	508185	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

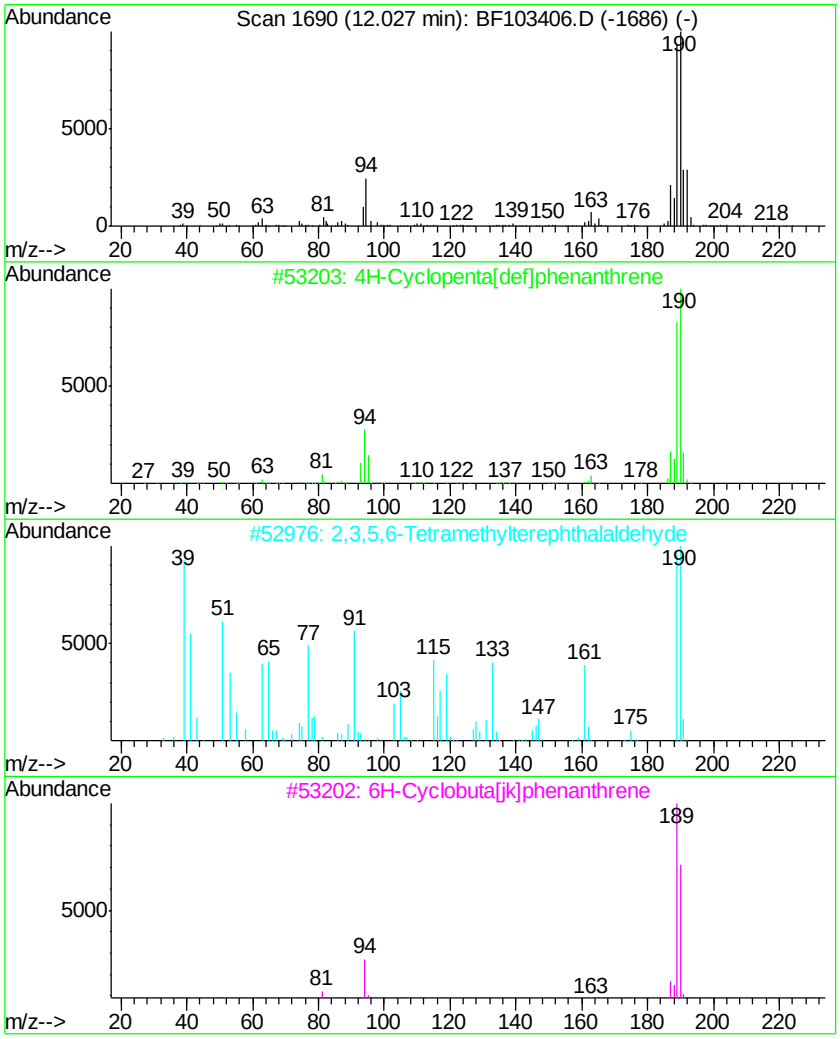
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

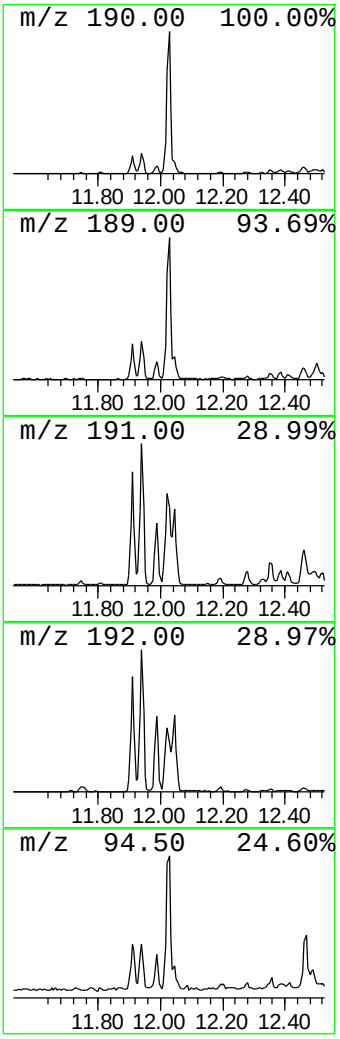
****

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	18.54 ng	1105980	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

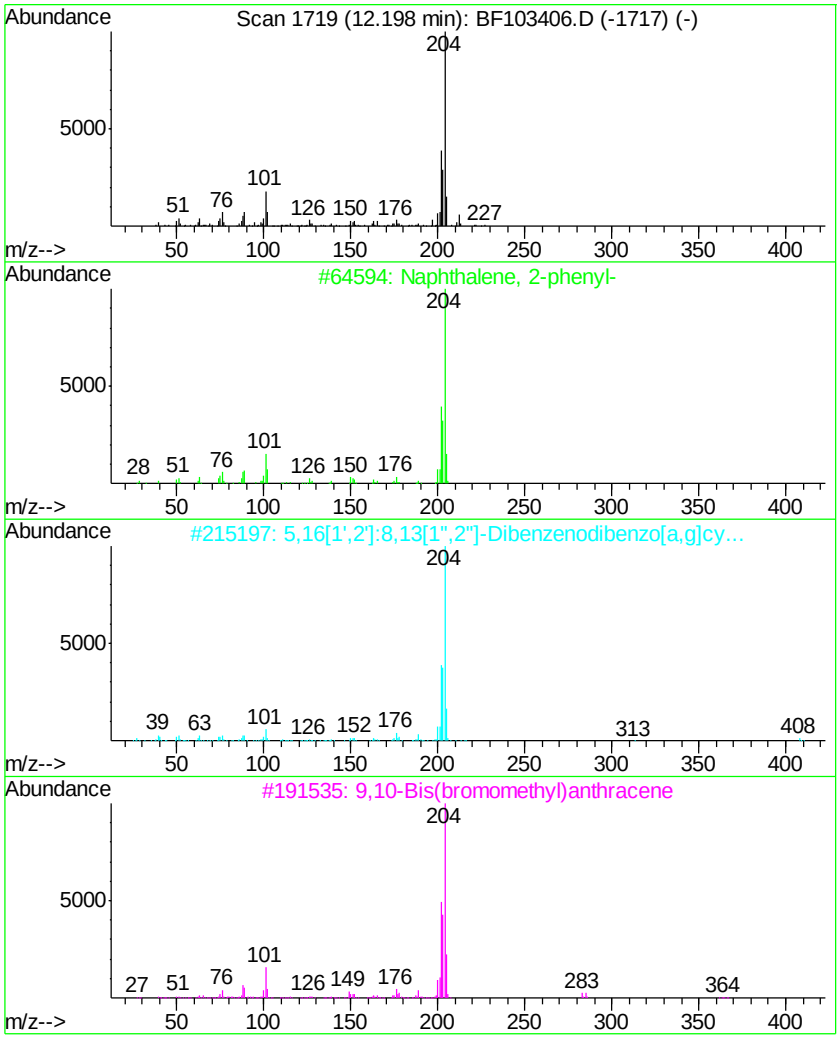
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

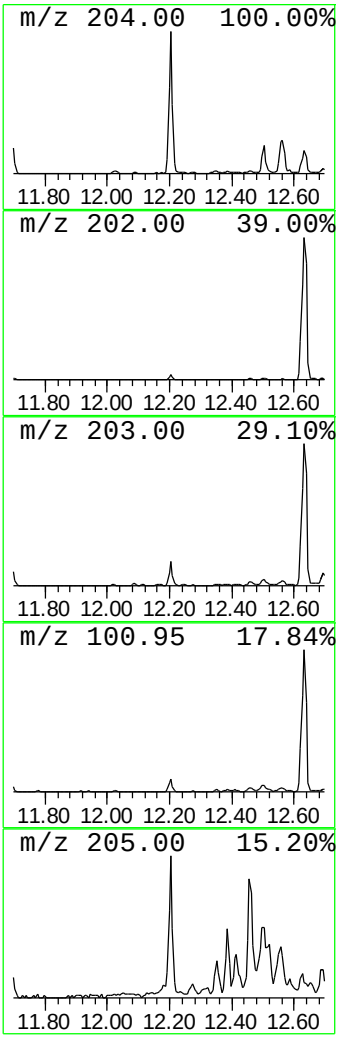
****

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	5.03 ng	300093	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	83
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	53





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

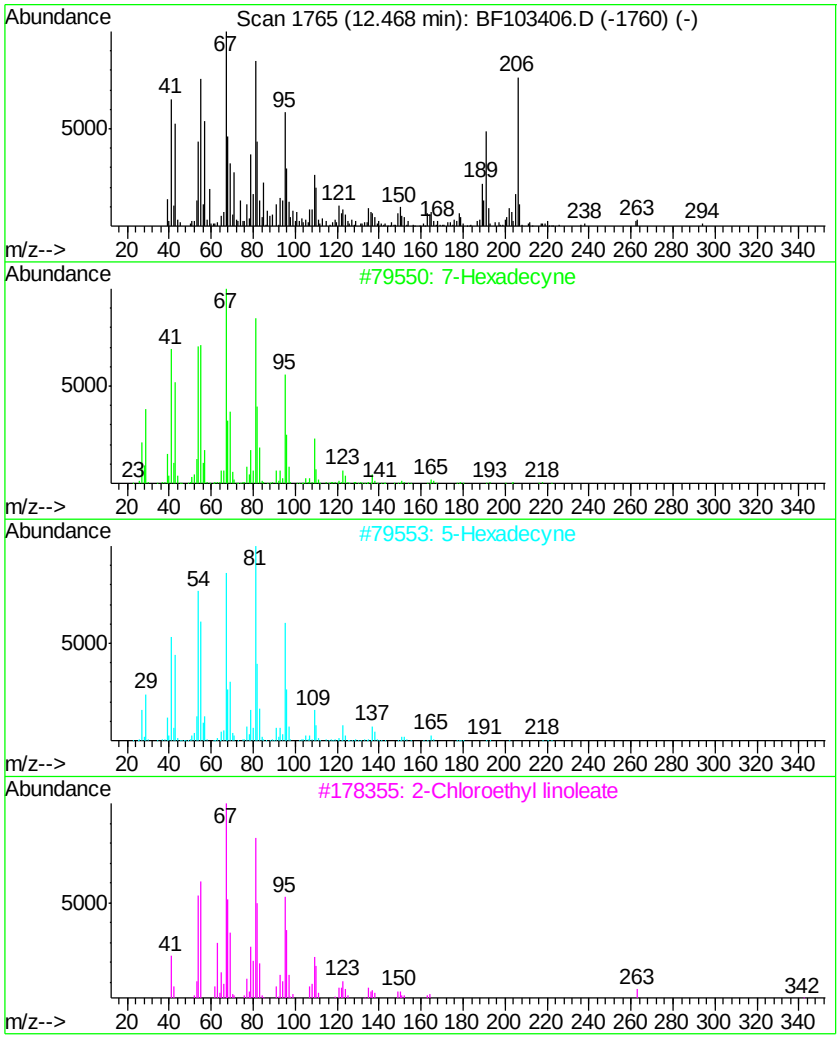
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

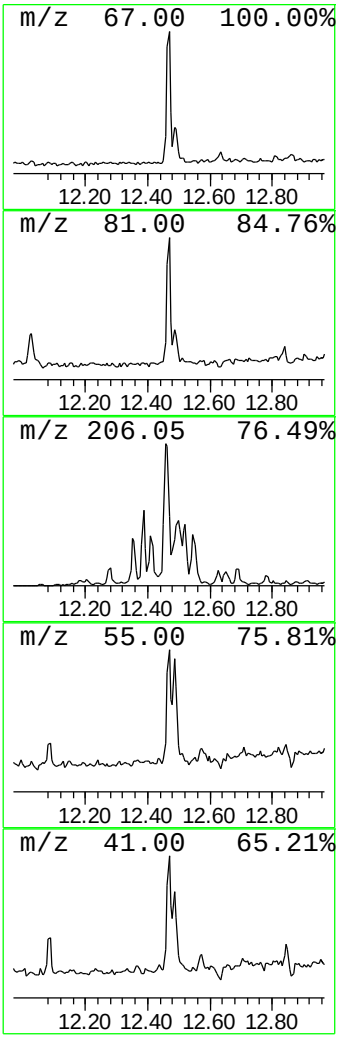
****

Peak Number 15 7-Hexadecyne Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	10.78 ng	643423	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Hexadecyne	222	C16H30	074685-28-2	78
2	5-Hexadecyne	222	C16H30	071899-37-1	70
3	2-Chloroethyl linoleate	342	C20H35ClO2	025525-76-2	60
4	4,5-Nonadiene, 2-methyl-	138	C10H18	055956-32-6	55
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	50





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

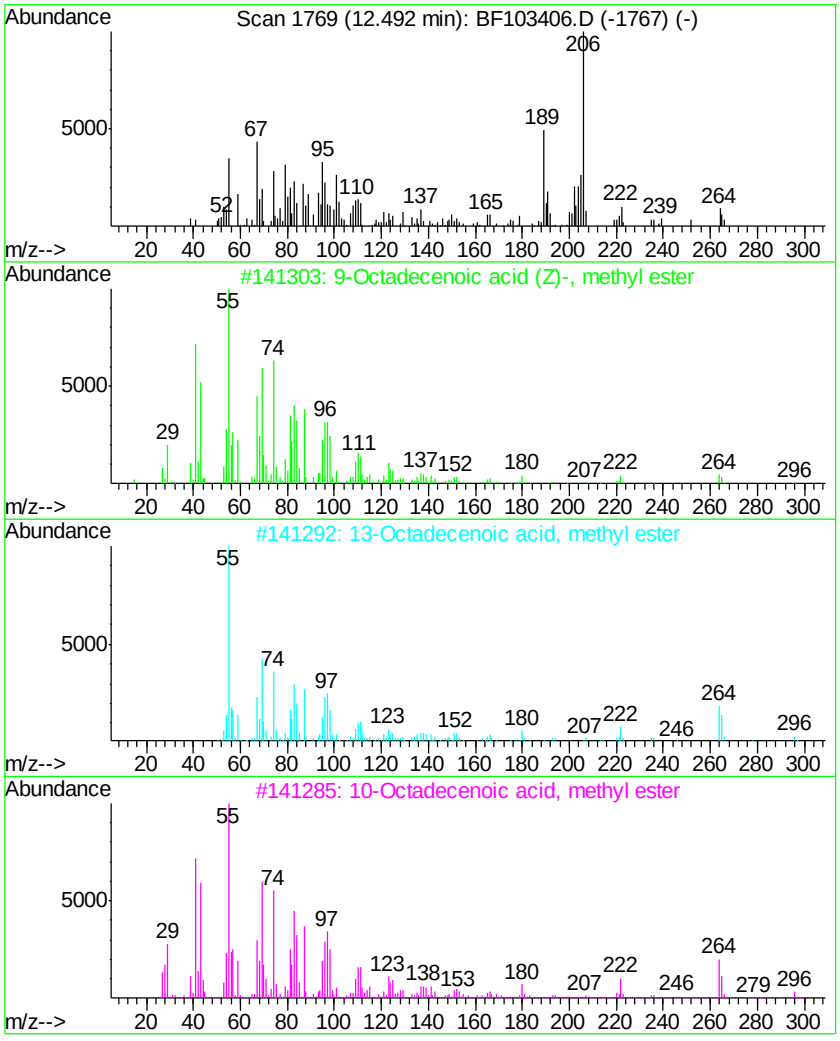
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

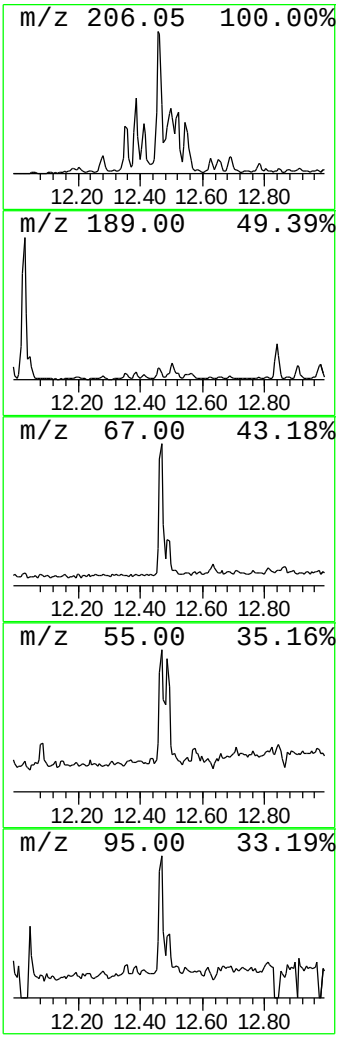
****

Peak Number 16 9-Octadecenoic acid (Z)-, m... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	7.00 ng	417765	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	89
2	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	76
3	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	68
4	Cyclopropaneoctanoic acid, 2-hex...	282	C18H34O2	010152-61-1	68
5	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	68





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

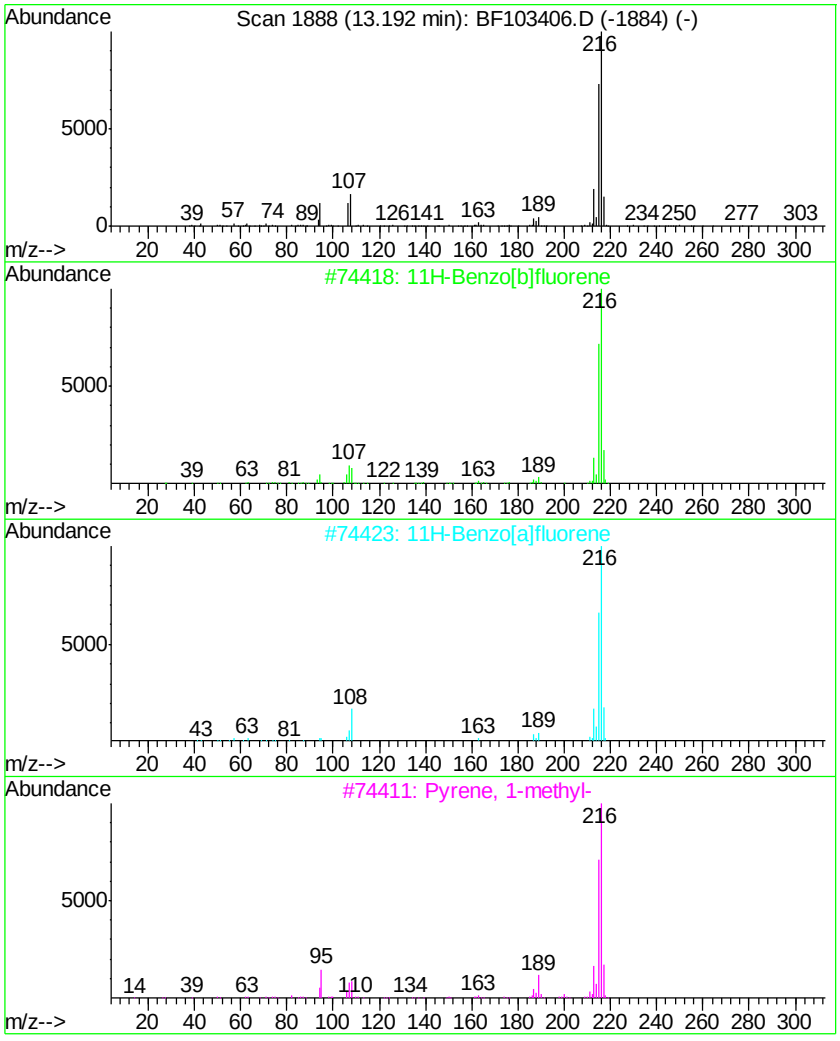
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

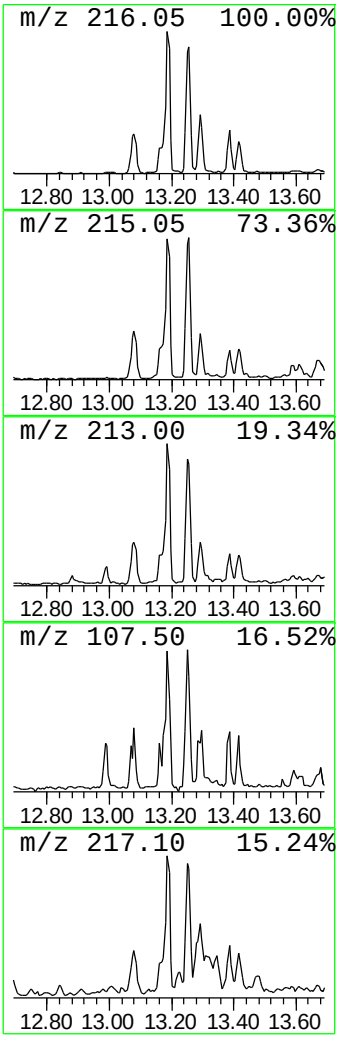
****

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	6.21 ng	612757	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

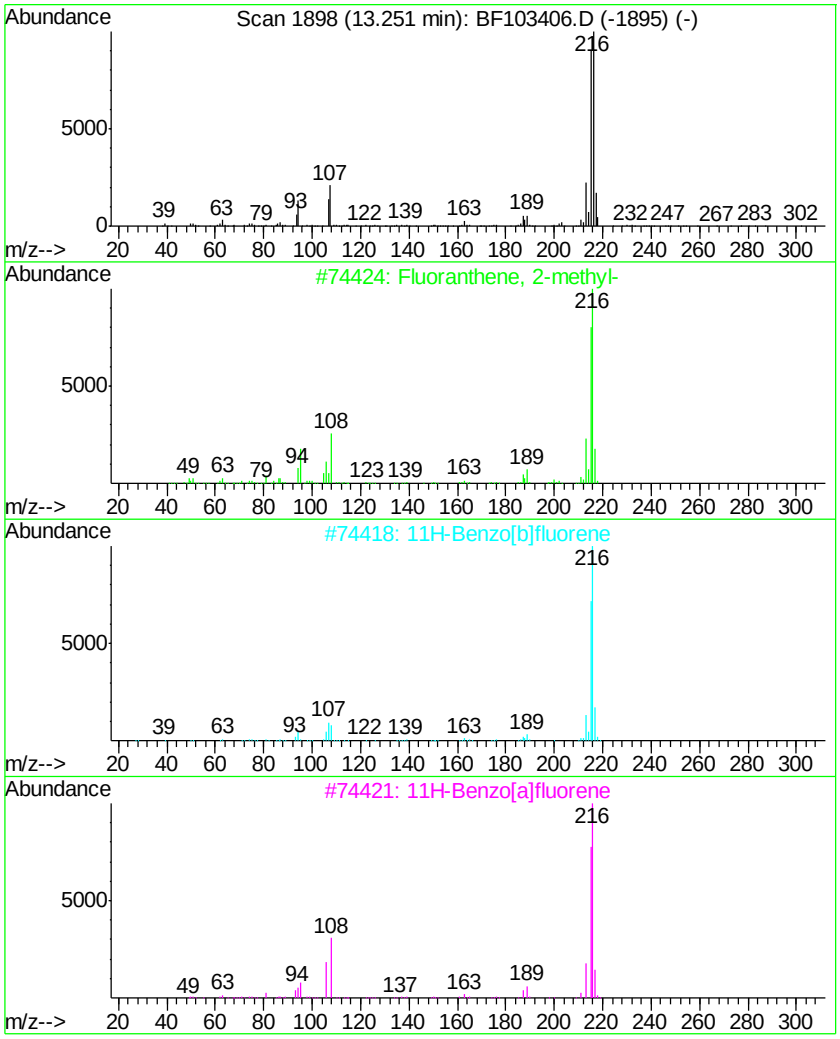
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

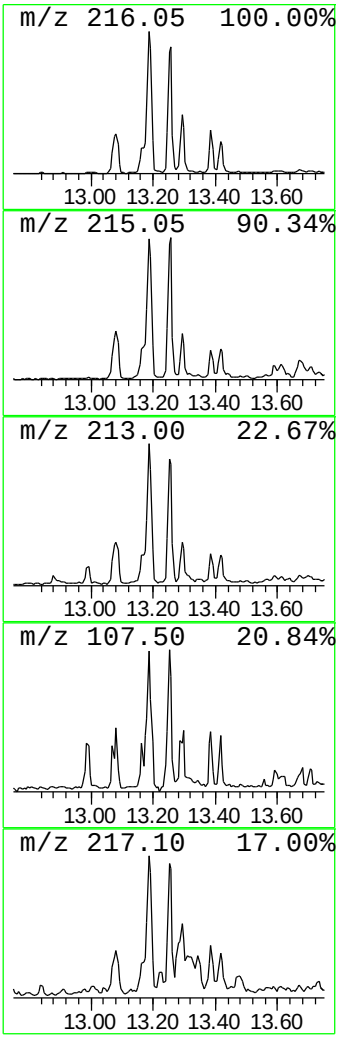
****

Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	4.70 ng	463712	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

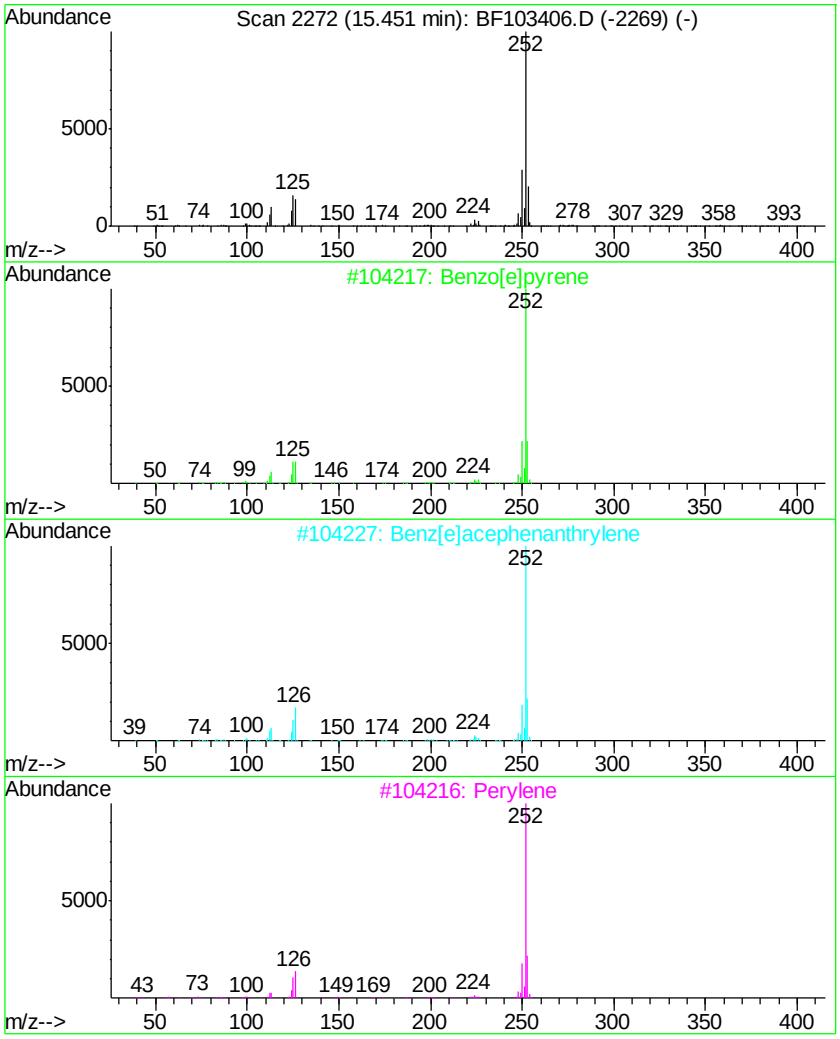
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

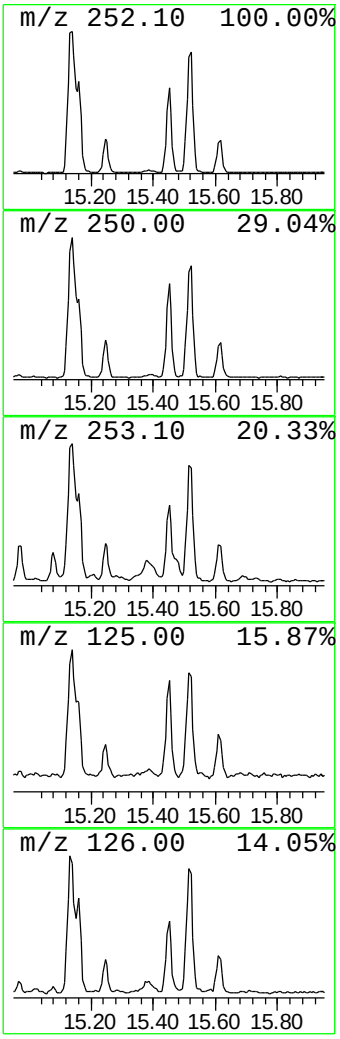
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	21.19 ng	425753	Perylene-d12	15.58

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	96
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF030518\
Data File : BF103406.D
Acq On : 5 Mar 2018 13:43
Operator : SJ/JU
Sample : J1751-07 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-030118-D

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.65	6.65	34.1	ng	1509440	1	6.87	885962	20.0
Naphthalene, 2,3-...	9.57	4.8	ng	289811	3	9.92	1199030	20.0
unknown10.32	10.32	5.7	ng	339869	3	9.92	1199030	20.0
unknown10.55	10.55	5.7	ng	340584	3	9.92	1199030	20.0
Tetradecane	10.80	5.7	ng	337303	4	11.41	1193330	20.0
9H-Fluorene, 1-me...	11.01	5.0	ng	299963	4	11.41	1193330	20.0
unknown11.25	11.25	4.4	ng	260725	4	11.41	1193330	20.0
Dibenzothiophene	11.30	4.5	ng	265310	4	11.41	1193330	20.0
Phenanthrene, 2-m...	11.91	8.5	ng	508185	4	11.41	1193330	20.0
4H-Cyclopenta[def...	12.03	18.5	ng	1105980	4	11.41	1193330	20.0
Naphthalene, 2-ph...	12.20	5.0	ng	300093	4	11.41	1193330	20.0
7-Hexadecyne	12.47	10.8	ng	643423	4	11.41	1193330	20.0
9-Octadecenoic ac...	12.49	7.0	ng	417765	4	11.41	1193330	20.0
11H-Benzo[b]fluorene	13.19	6.2	ng	612757	5	14.07	1972160	20.0
Fluoranthene, 2-m...	13.25	4.7	ng	463712	5	14.07	1972160	20.0
Benzo[e]pyrene	15.45	21.2	ng	425753	6	15.58	401912	20.0