LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

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-BF031518.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	2.287	27	34	39	rVB	119255	155345	2.45%	0.175%
2	5.587	589	595	599	rBV	1876097	1832350	28.90%	2.067%
3	6.586	760	765	770	rBV	1994580	1817262	28.66%	2.050%
4	6.739	786	791	794	rBV	2143634	1896754	29.91%	2.140%
5	6.969	827	830	834	rBV	1074087	869294	13.71%	0.981%
6	7.128	853	857	860	rBV	1767554	1487509	23.46%	1.678%
7	7.528	921	925	928	rBV	1312284	1172267	18.49%	1.322%
8	8.251	1044	1048	1050	rBV	1393945	1181166	18.63%	1.332%
9	8.275	1050	1052	1055	rVB	781463	558050	8.80%	0.630%
10	8.963	1166	1169	1173	rBV	327873	263801	4.16%	0.298%
11	9.063	1182	1186	1189	rBV	219548	171279	2.70%	0.193%
12	9.327	1226	1231	1234	rBV	2141051	1953993	30.81%	2.204%
13	9.592	1269	1276	1279	rBV	125399	157195	2.48%	0.177%
14	9.663	1284	1288	1291	rBV	163706	169185	2.67%	0.191%
15	9.716	1295	1297	1304	rVB2	251425	270965	4.27%	0.306%
16	9.874	1320	1324	1329	rBV	622303	589072	9.29%	0.665%
17	10.010	1344	1347	1351	rVV	1537669	1348928	21.27%	1.522%
18	10.216	1378	1382	1385	rVV2	328470	311510	4.91%	0.351%
19	10.427	1411	1418	1421	rVB2	205709	284308	4.48%	0.321%
20	10.557	1437	1440	1446	rVB2	502092	541613	8.54%	0.611%
21	10.716	1462	1467	1470	rBV	163691	176336	2.78%	0.199%
22	10.804	1478	1482	1485	rVB	1427360	1391212	21.94%	1.569%
23	10.904	1496	1499	1500	rBV	204075	198988	3.14%	0.224%
24	11.110	1529	1534	1536	rBV3	162791	192553	3.04%	0.217%
25	11.233	1551	1555	1557	rBV4	126047	159277	2.51%	0.180%
26	11.257	1557	1559	1564	rVV3	115612	152989	2.41%	0.173%
27	11.310	1564	1568	1571	rVV	257914	259505	4.09%	0.293%
28	11.351	1572	1575	1578	rVV	287925	268931	4.24%	0.303%
29	11.398	1581	1583	1587	rVB	257817	243360	3.84%	0.275%
30	11.504	1597	1601	1603	rBV	1243033	1312245	20.69%	1.480%
31	11.533	1603	1606	1610	rVV	3659907	3774969	59.53%	4.258%
32	11.586	1611	1615	1617	rVV	1563360	1492395	23.53%	1.684%
33	11.616	1617	1620	1625	rVB2	99450	150323	2.37%	0.170%
34	11.733	1637	1640	1645	rBV	392518	348428	5.49%	0.393%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

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-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.780	1645	1648	1649	rVV2	186941	152648	2.41%	0.172%
36	11.833	1655	1657	1662	rVB2	168110	169194	2.67%	0.191%
37	12.010	1683	1687	1689	rVV	775423	890861	14.05%	1.005%
38	12.039	1689	1692	1695	rVV	912486	876422	13.82%	0.989%
39	12.086	1695	1700	1702	rVV	345876	348994	5.50%	0.394%
40	12.121	1702	1706	1708	rVV2	1265263	1390354	21.93%	1.568%
41	12.145	1708	1710	1713	rVB	532321	410781	6.48%	0.463%
42	12.186	1714	1717	1719	rVV2	235130	197295	3.11%	0.223%
43	12.304	1733	1737	1739	rVV	669983	580213	9.15%	0.655%
44	12.333	1739	1742	1745	rVB2	314101	292451	4.61%	0.330%
45	12.451	1760	1762	1765	rVV	171183	161064	2.54%	0.182%
46	12.480	1765	1767	1770	rVV	174798	178684	2.82%	0.202%
47	12.557	1774	1780	1782	rBV	473622	572318	9.03%	0.646%
48	12.598	1785	1787	1789	rVV2	281474	286471	4.52%	0.323%
49	12.651	1793	1796	1800	rBV2	392832	461342	7.28%	0.520%
50	12.739	1805	1811	1814	rBV	4662650	6269293	98.86%	7.072%
51	12.786	1818	1819	1822	rVV	167450	187741	2.96%	0.212%
52	12.821	1822	1825	1828	rVV	853085	724528	11.43%	0.817%
53	12.880	1832	1835	1842	rVB2	309204	452508	7.14%	0.510%
54	12.968	1842	1850	1853	rBV2	4358306	6341297	100.00%	7.153%
55	13.004	1853	1856	1860	rVB2	387551	407322	6.42%	0.459%
56	13.092	1864	1871	1873	rBV2	1860351	2043522	32.23%	2.305%
57	13.115	1873	1875	1878	rVB	250030	222785	3.51%	0.251%
58	13.168	1880	1884	1888	rBV2	454480	808439	12.75%	0.912%
59	13.262	1896	1900	1901	rBV2	389590	472984	7.46%	0.534%
60	13.286	1901	1904	1906	rVV	1143492	1002617	15.81%	1.131%
61	13.351	1912	1915	1918	rVV	916685	762499	12.02%	0.860%
62	13.392	1918	1922	1924	rVV2	561790	630864	9.95%	0.712%
63	13.480	1935	1937	1940	rBV	344475	300651	4.74%	0.339%
64	13.515	1940	1943	1946	rVB	324781	305915	4.82%	0.345%
65	13.651	1964	1966	1969	rBV3	143897	161534	2.55%	0.182%
66	13.792	1987	1990	1995	rVB	423386	447270	7.05%	0.505%
67	13.904	2005	2009	2012	rBV2	526432	638026	10.06%	0.720%
68	13.933	2012	2014	2017	rVV	601505	585057	9.23%	0.660%
69	13.962	2017	2019	2024	rVV4	659729	1116323	17.60%	1.259%
70	14.004	2024	2026	2033	rVB	480353	450646	7.11%	0.508%
71	14.074	2036	2038	2044	rVB	137180	154508	2.44%	0.174%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

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-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.157	2045	2052	2055	rVV3	3175054	4583819	72.29%	5.171%
73	14.192	2055	2058	2064	rVV	2816080	2857988	45.07%	3.224%
74	14.268	2069	2071	2073	rVV	209670	193611	3.05%	0.218%
75	14.304	2075	2077	2082	rVV3	397168	490464	7.73%	0.553%
76	14.351	2082	2085	2087	rVV	248513	240289	3.79%	0.271%
77	14.380	2087	2090	2094	rVV2	326681	446019	7.03%	0.503%
78	14.551	2114	2119	2121	rVV	500820	601951	9.49%	0.679%
79	14.580	2121	2124	2127	rVV	284374	286990	4.53%	0.324%
80	14.645	2134	2135	2138	rVV	249985	210017	3.31%	0.237%
81	14.680	2138	2141	2143	rVV2	342444	381279	6.01%	0.430%
82	14.698	2143	2144	2149	rVB2	393143	321966	5.08%	0.363%
83	15.068	2203	2207	2215	rVB3	200417	390214	6.15%	0.440%
84	15.139	2215	2219	2224	rBV3	99056	186905	2.95%	0.211%
85	15.251	2231	2238	2241	rBV	2041937	3853966	60.78%	4.347%
86	15.356	2252	2256	2260	rBV	619823	687096	10.84%	0.775%
87	15.451	2268	2272	2274	rBV2	150923	224180	3.54%	0.253%
88	15.574	2287	2293	2299	rVB	1292782	1979238	31.21%	2.233%
89	15.645	2299	2305	2309	rBV	1932653	2743290	43.26%	3.095%
90	15.704	2310	2315	2318	rVV	703710	1025148	16.17%	1.156%
91	15.739	2318	2321	2327	rVB2	693096	918262	14.48%	1.036%
92	16.162	2389	2393	2398	rVB2	96464	151201	2.38%	0.171%
93	16.215	2398	2402	2406	rBV4	90407	177776	2.80%	0.201%
94	16.298	2412	2416	2421	rVB	180984	252907	3.99%	0.285%
95	17.074	2544	2548	2551	rBV	109609	200160	3.16%	0.226%
96	17.292	2576	2585	2592	rBV2	1016769	2357168	37.17%	2.659%
97	17.468	2607	2615	2621	rBV	253905	602924	9.51%	0.680%
98	17.539	2621	2627	2633	rVV3	183960	423944	6.69%	0.478%
99	17.780	2658	2668	2679	rVB	973259	2394702	37.76%	2.701%
100	18.021	2702	2709	2724	rVB2	332096	856012	13.50%	0.966%

Sum of corrected areas: 88648264

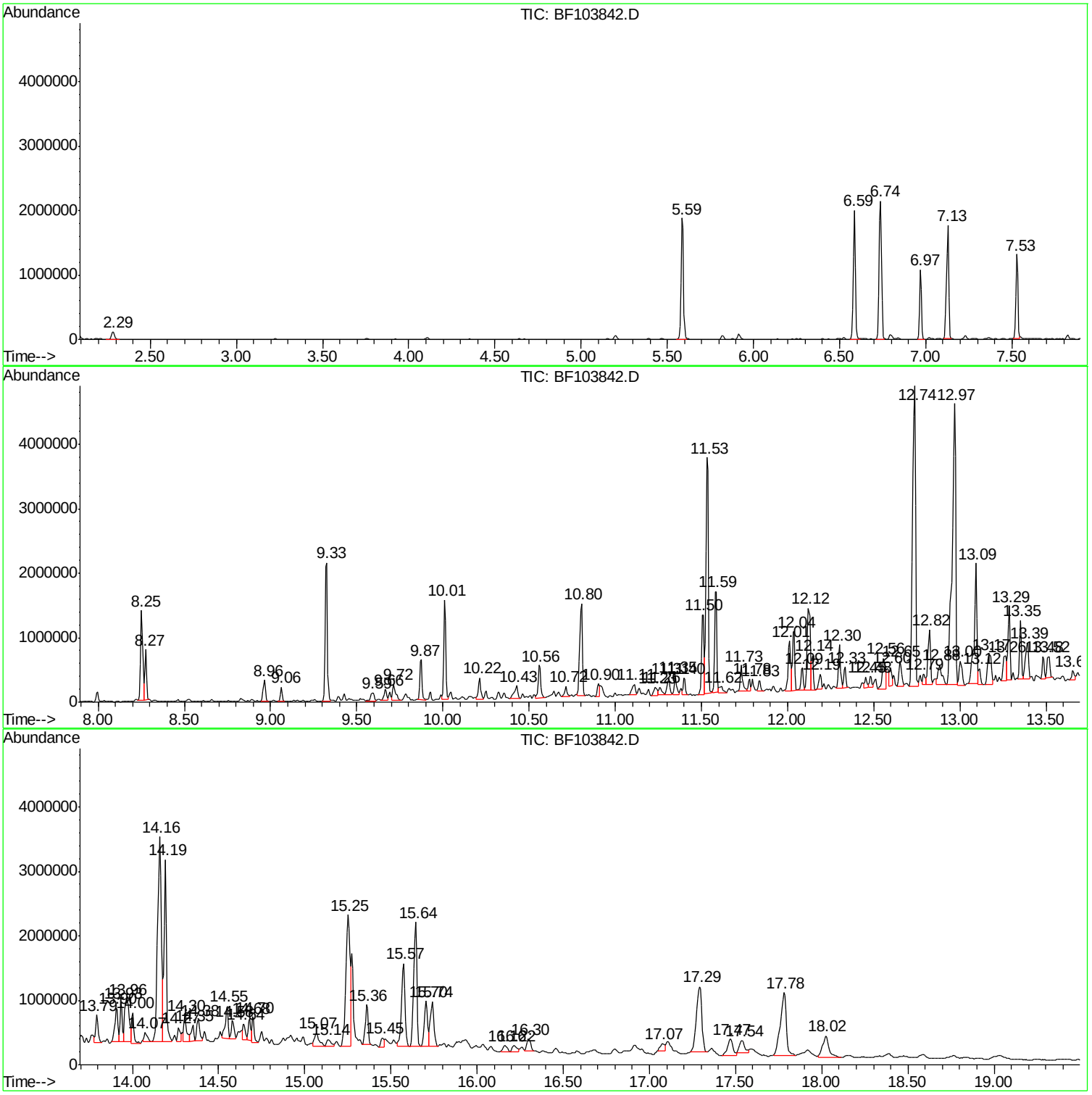
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

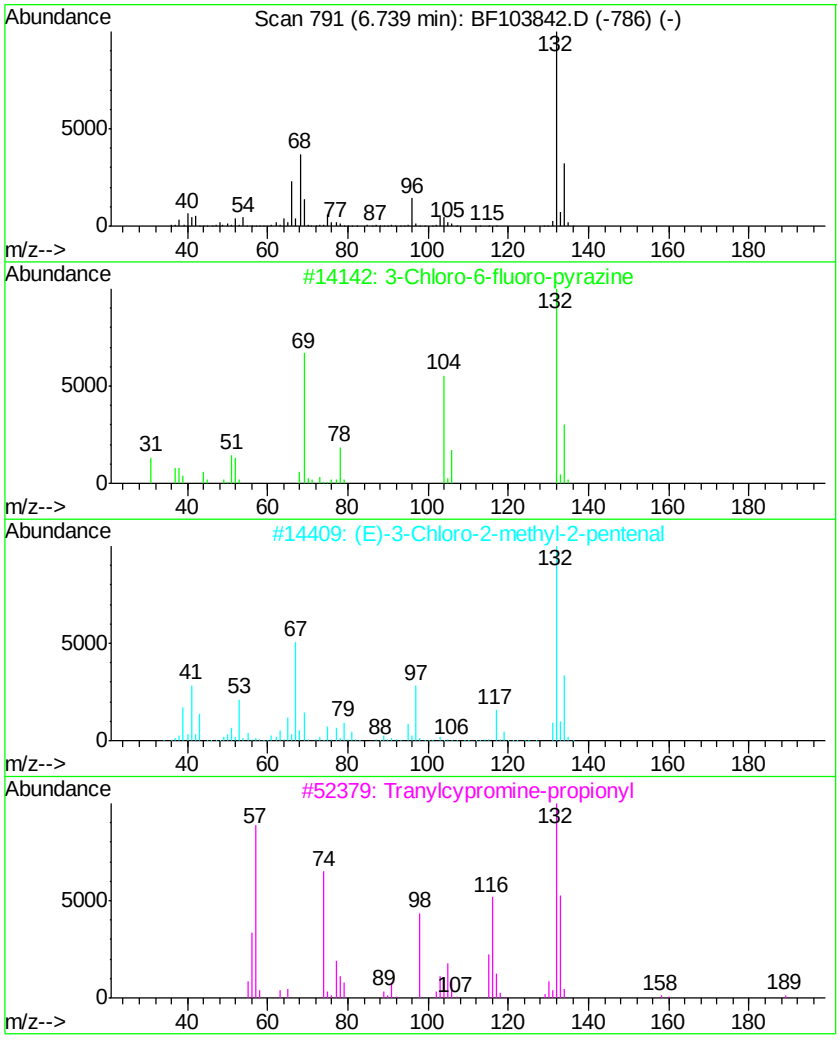
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

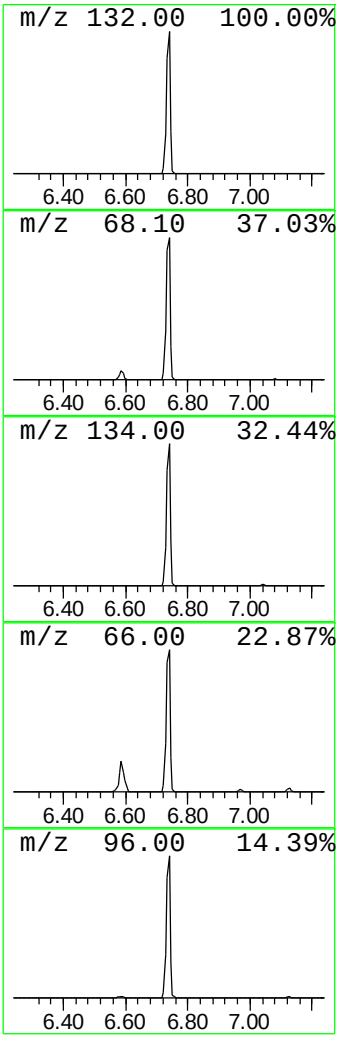
****

Peak Number 1 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	43.64 ng	1896750	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

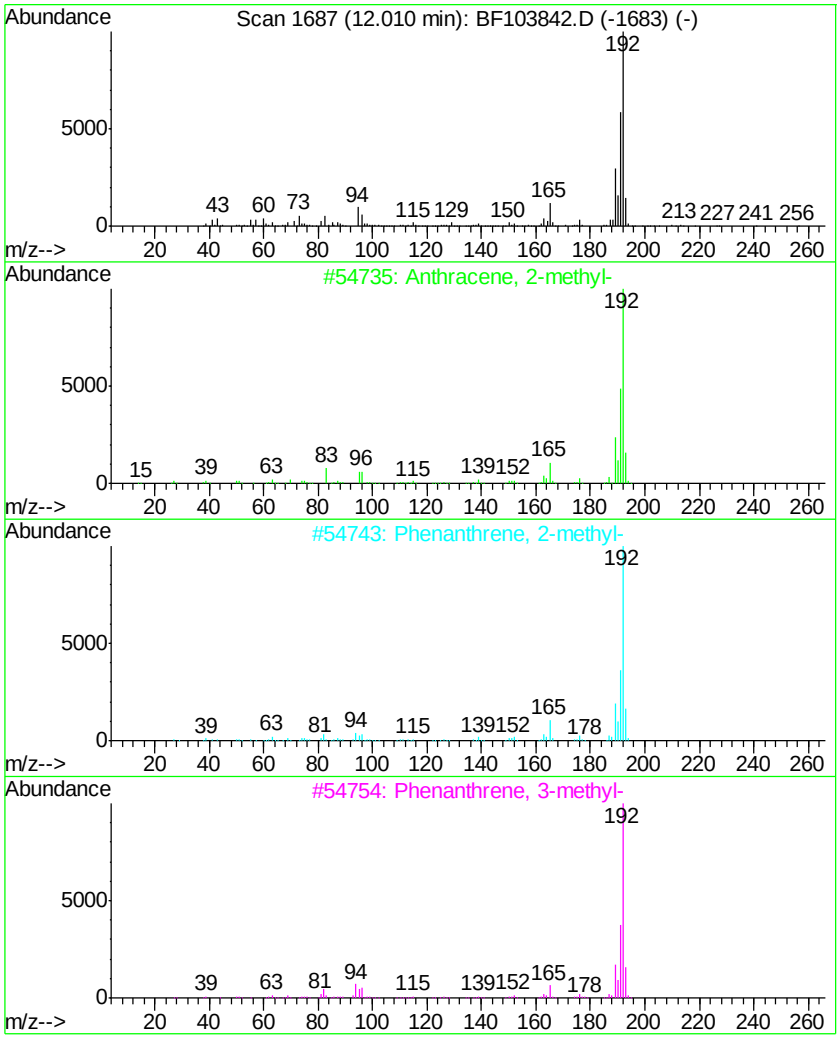
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

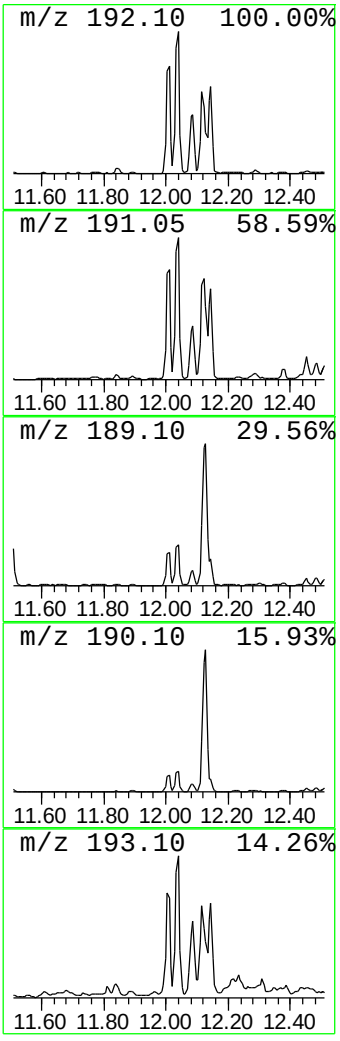
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	13.58 ng	890861	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

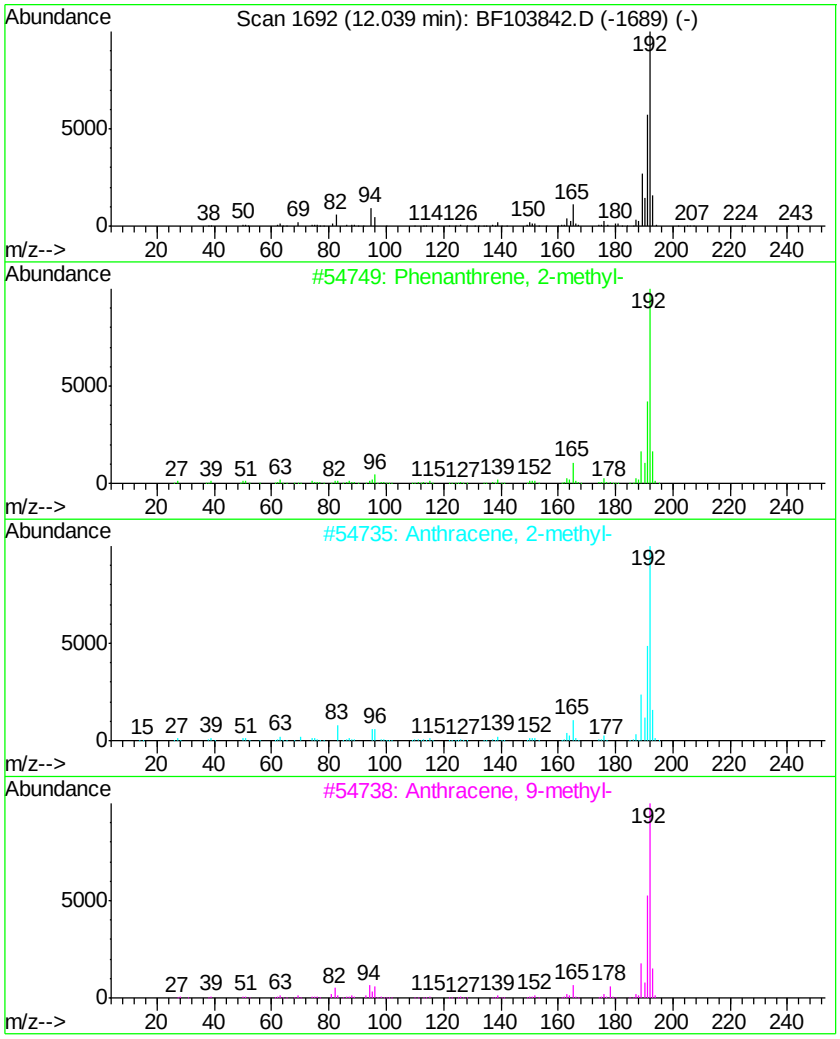
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

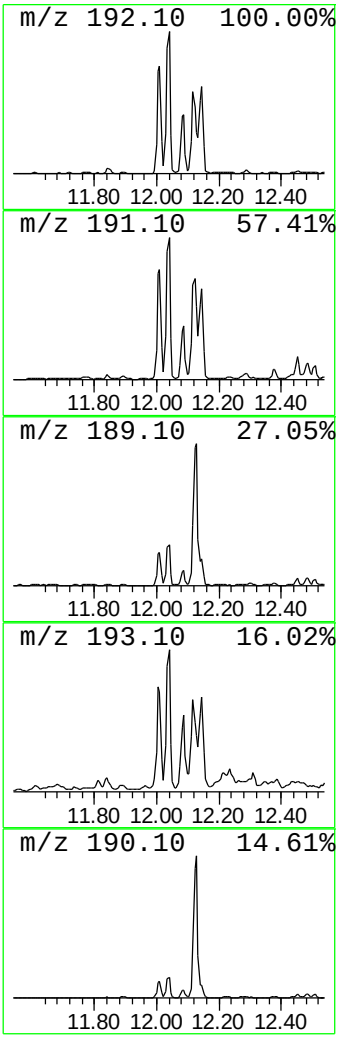
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	13.36 ng	876422	Phenanthrene-d10	11.50

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	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

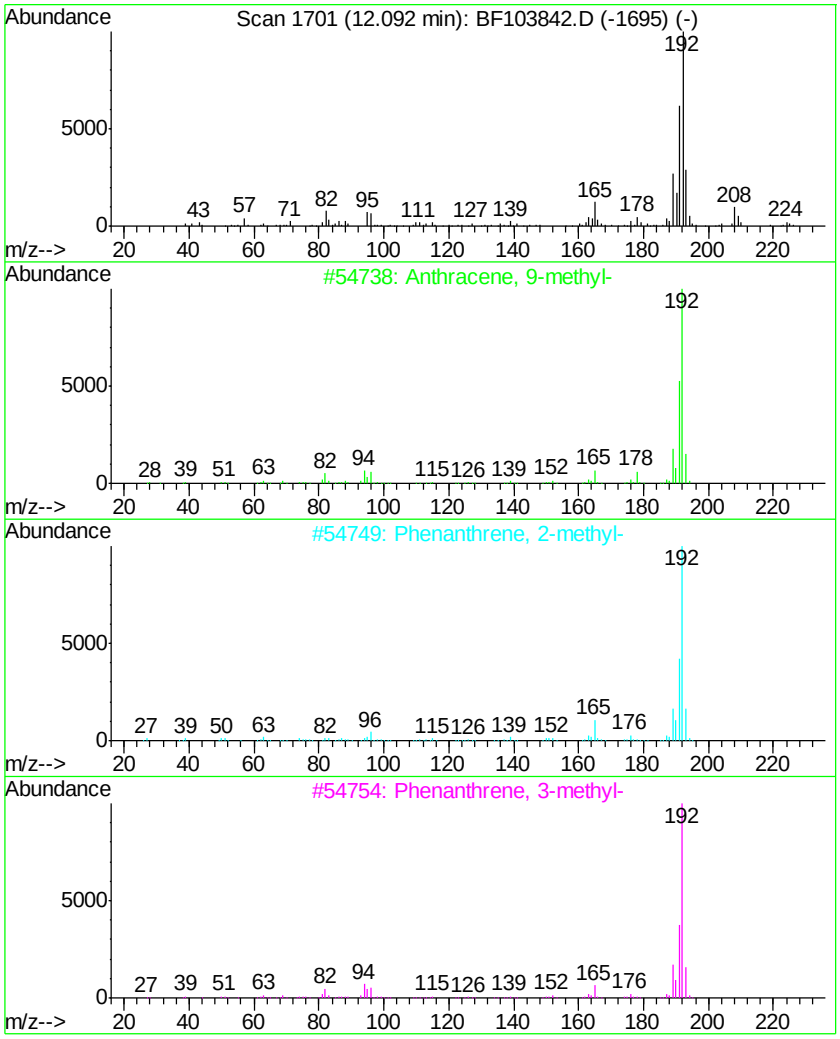
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

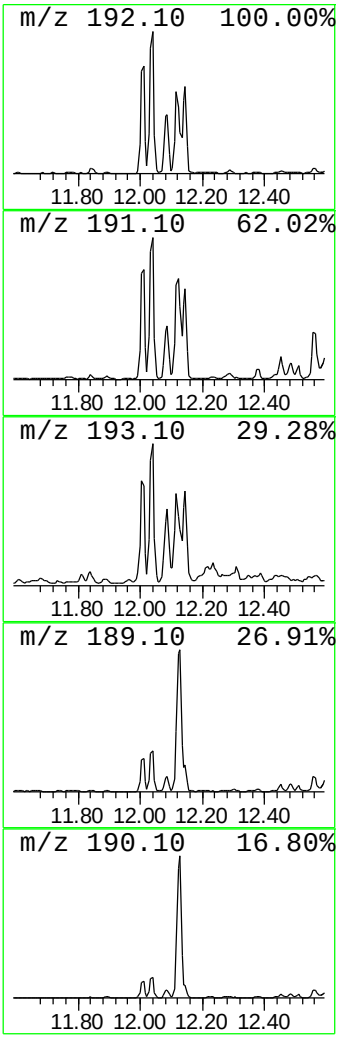
****

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	5.32 ng	348994	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	91





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

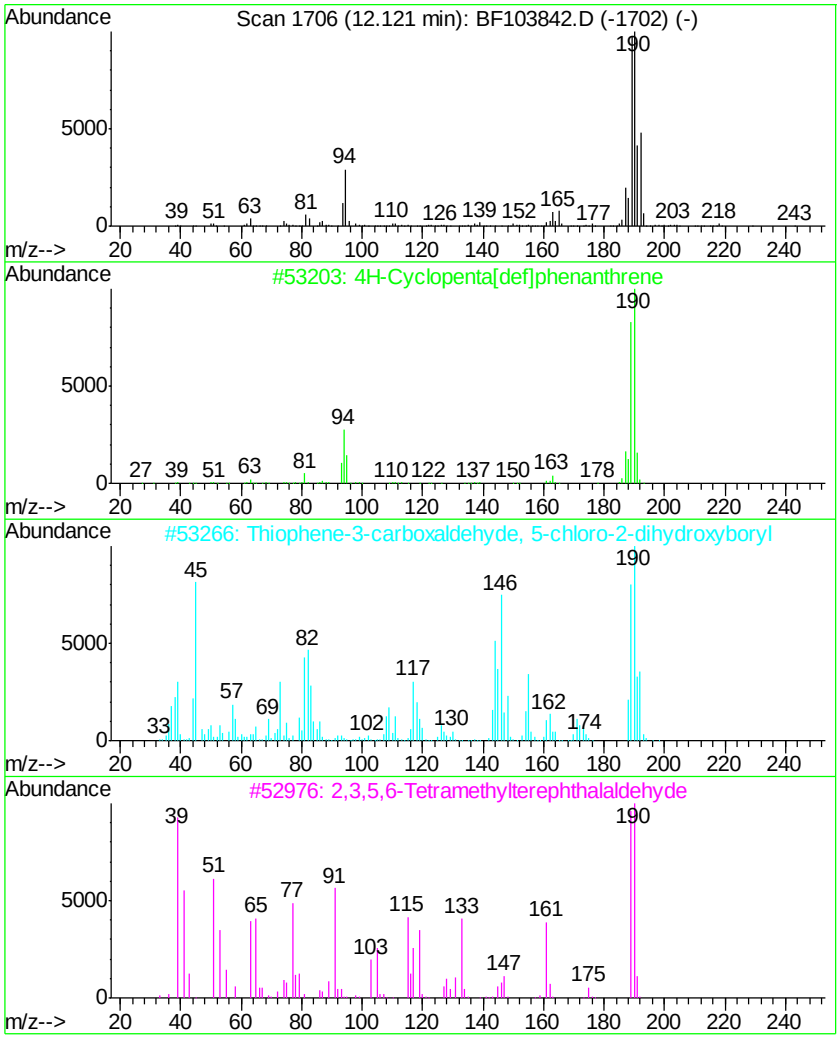
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

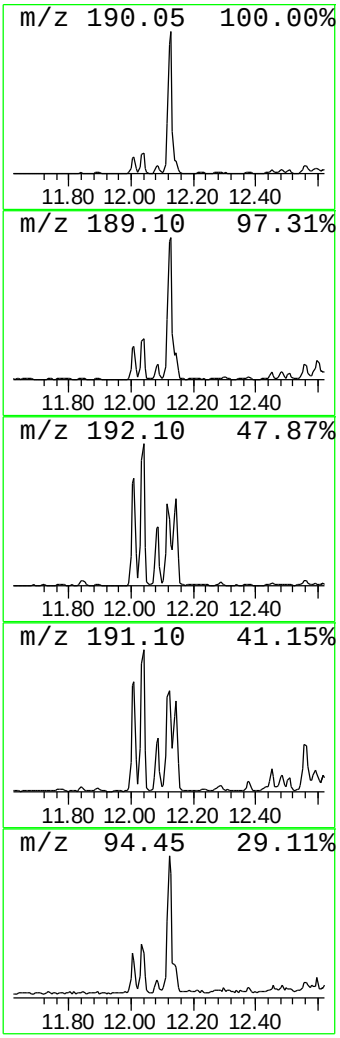
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	21.19 ng	1390350	Phenanthrene-d10	11.50

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	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
4	Methyl diselenide	190	C2H6Se2	007101-31-7	38
5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	28





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

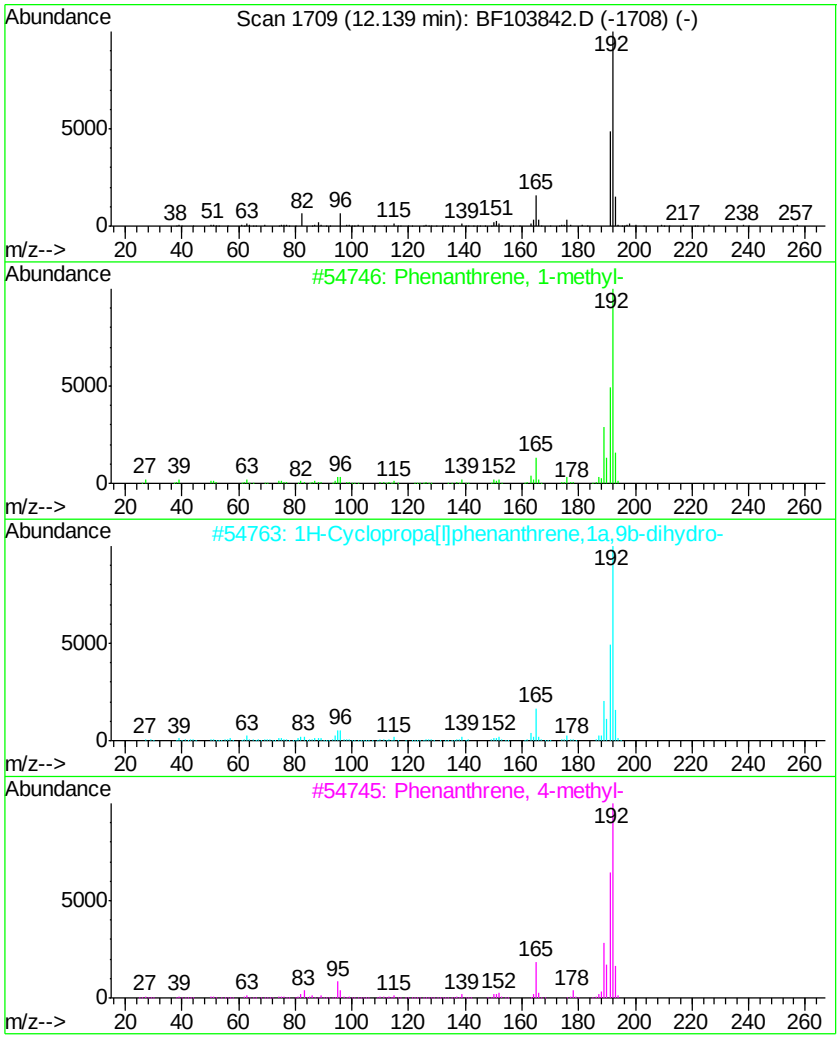
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

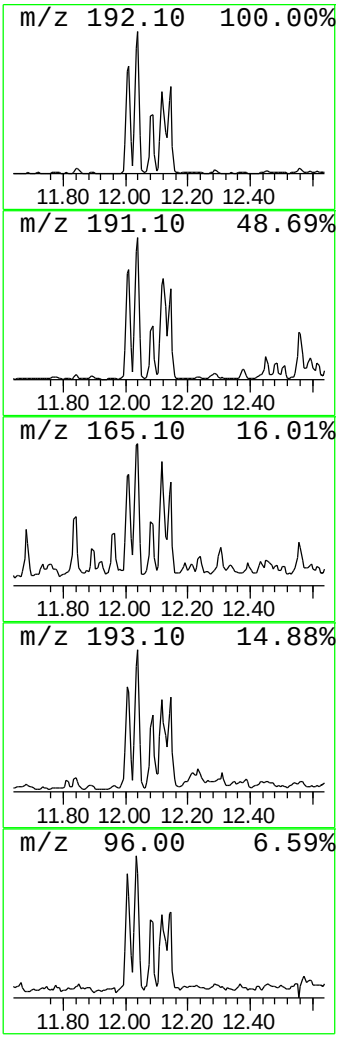
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	6.26 ng	410781	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

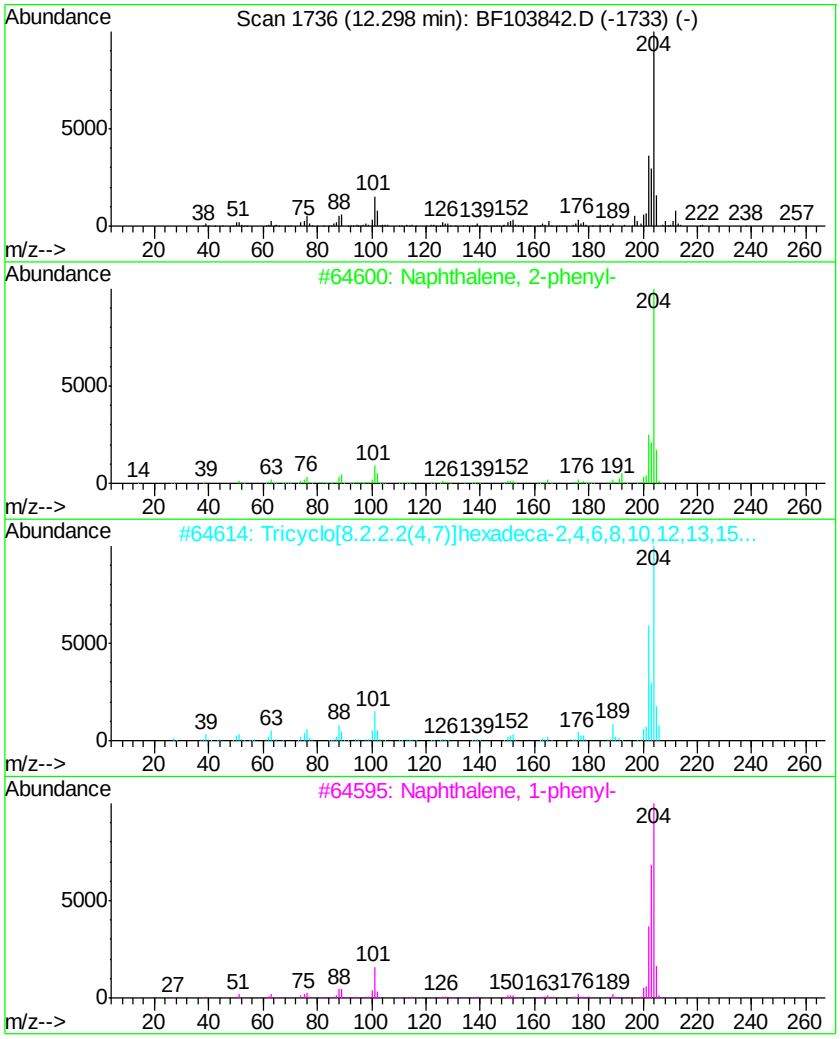
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

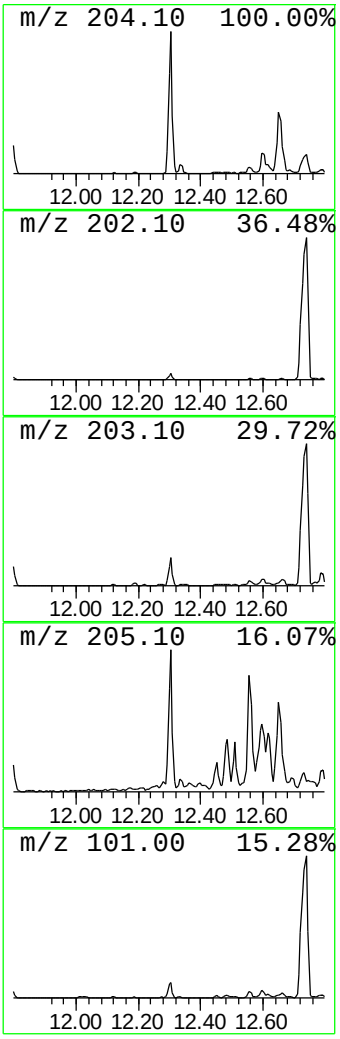
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	8.84 ng	580213	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

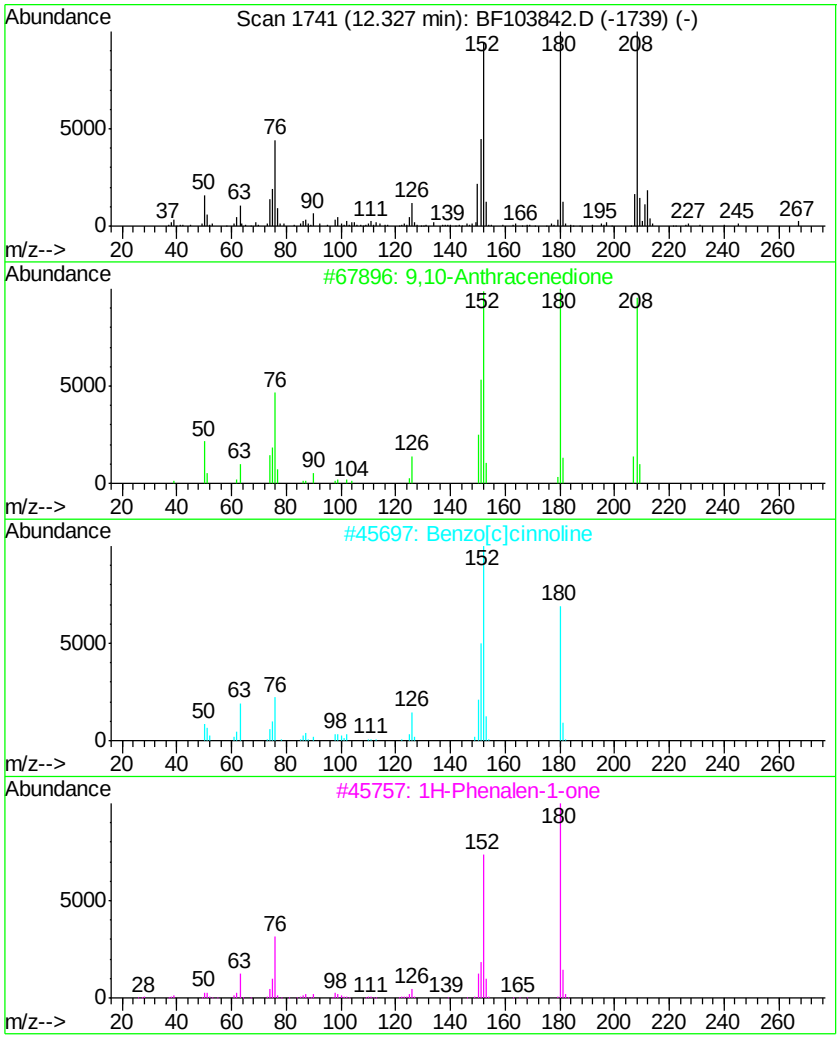
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

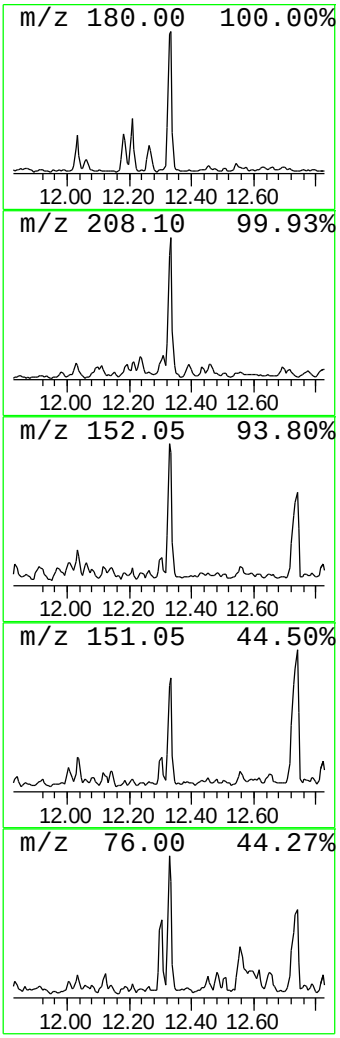
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	4.46 ng	292451	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

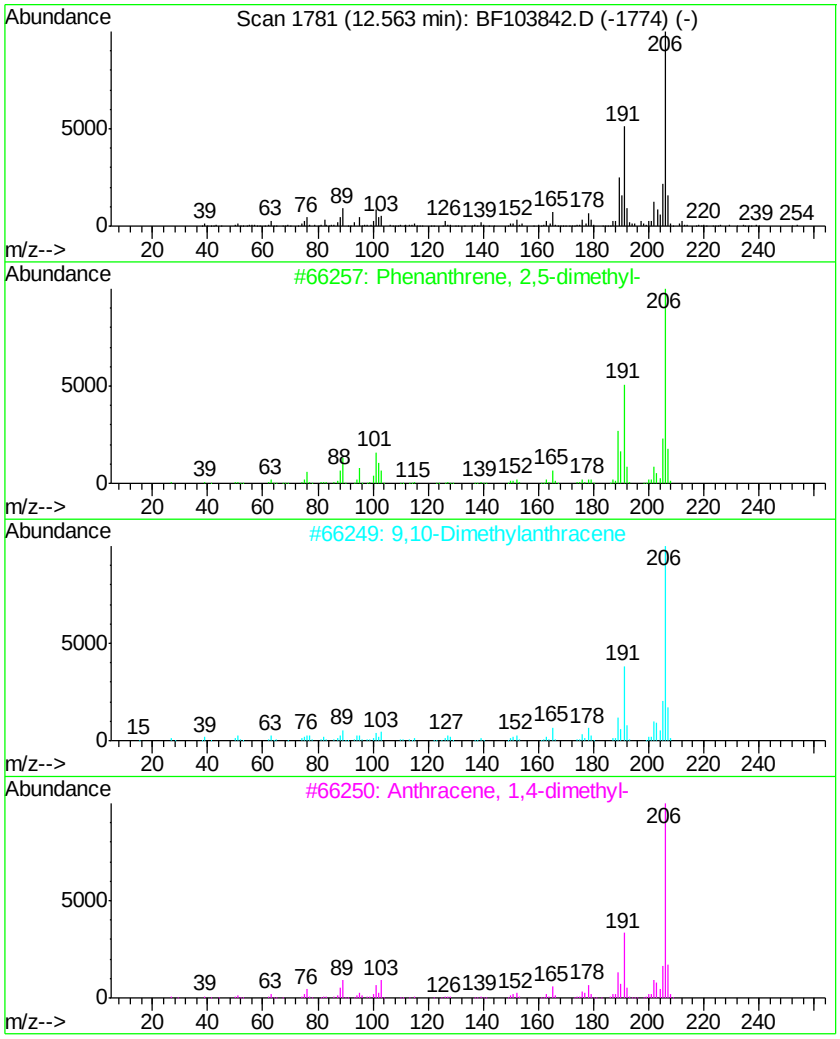
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

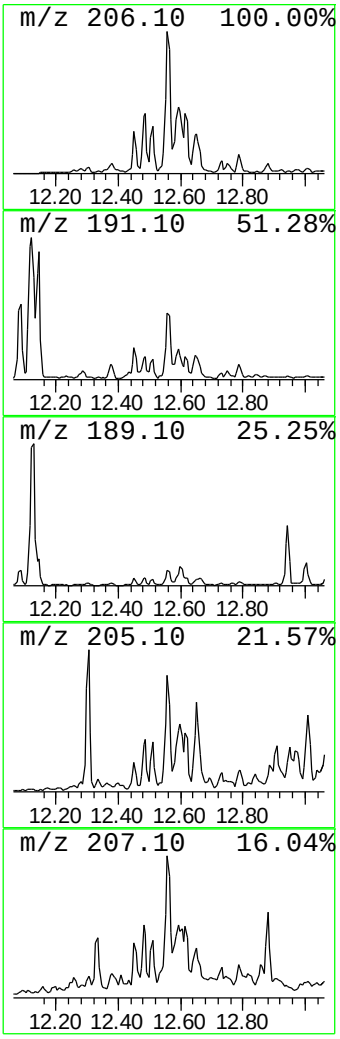
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	8.72 ng	572318	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

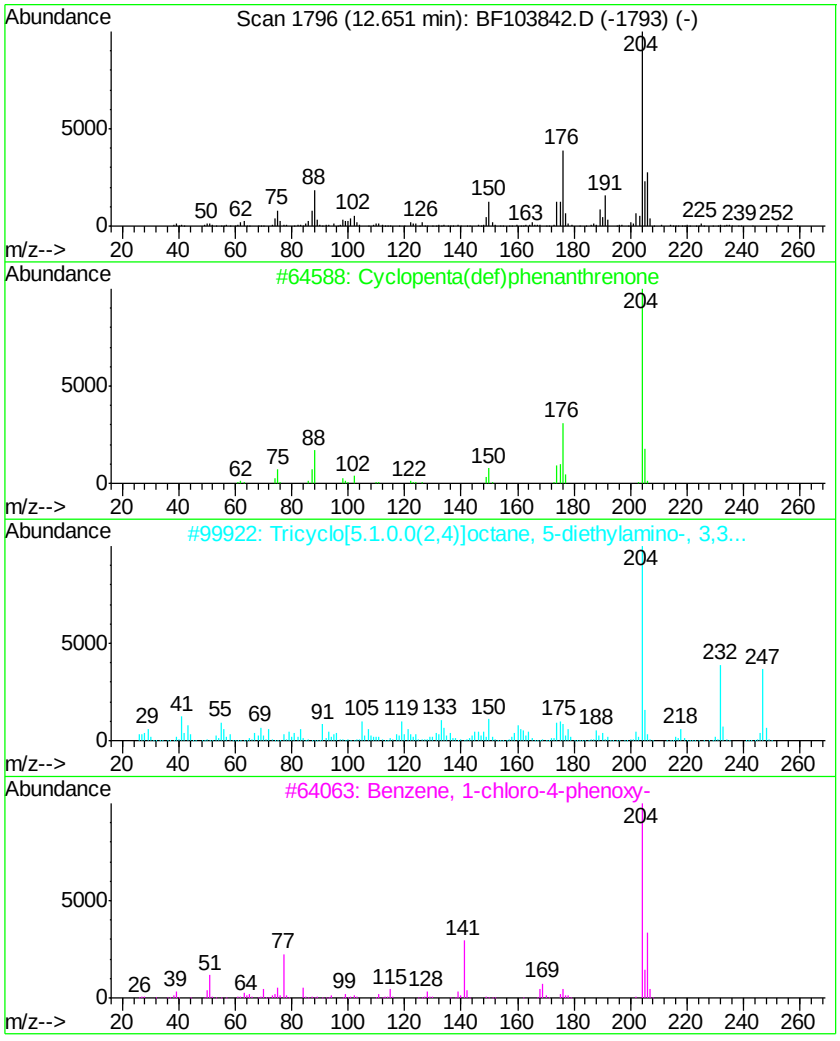
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

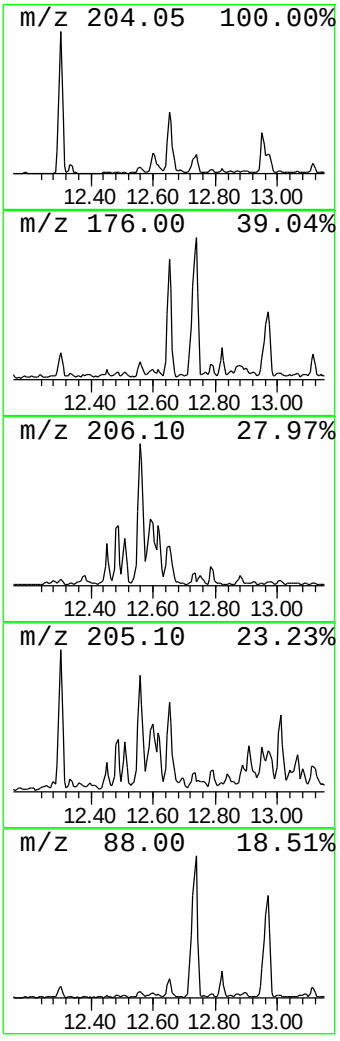
****

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	7.03 ng	461342	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
3	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	46
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

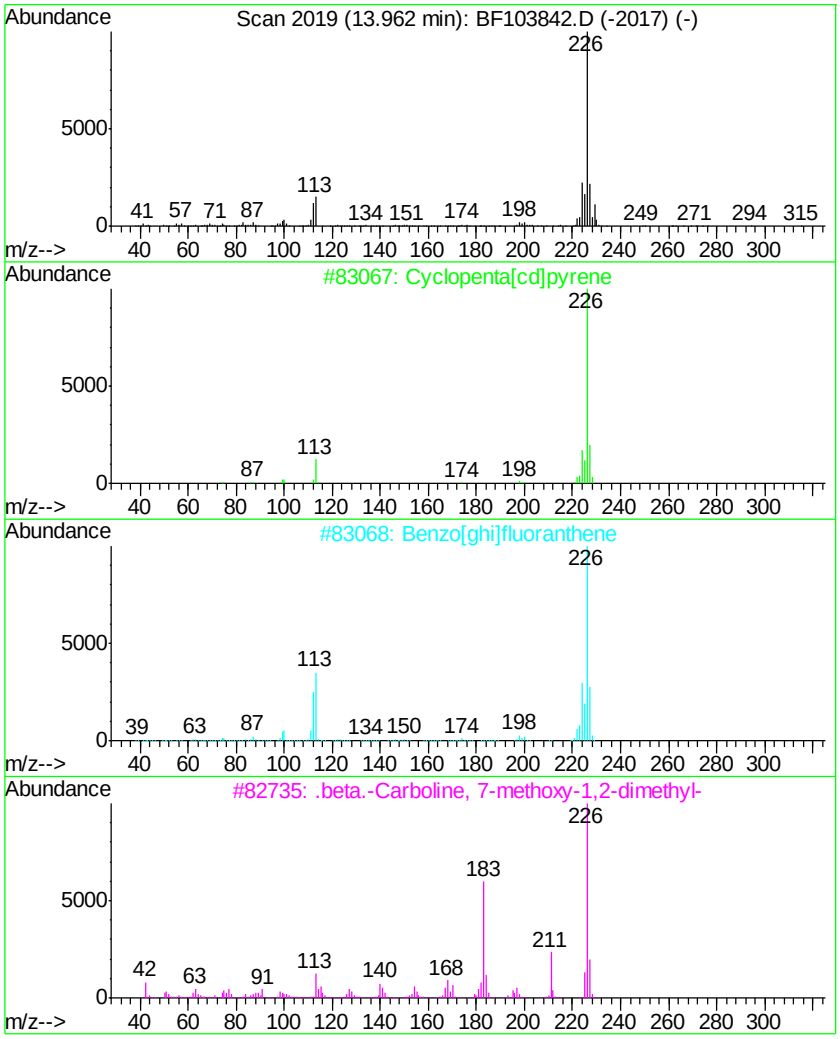
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

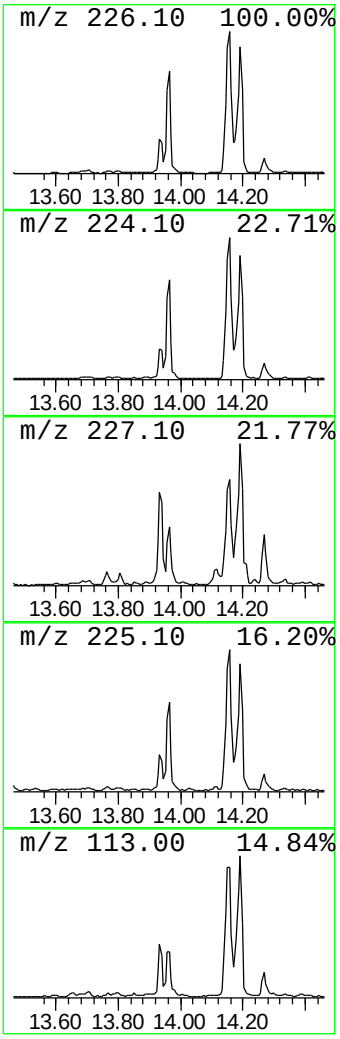
****

Peak Number 13 Cyclopenta[cd]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	4.87 ng	1116320	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	95
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	89
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
4	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	50
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	33





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

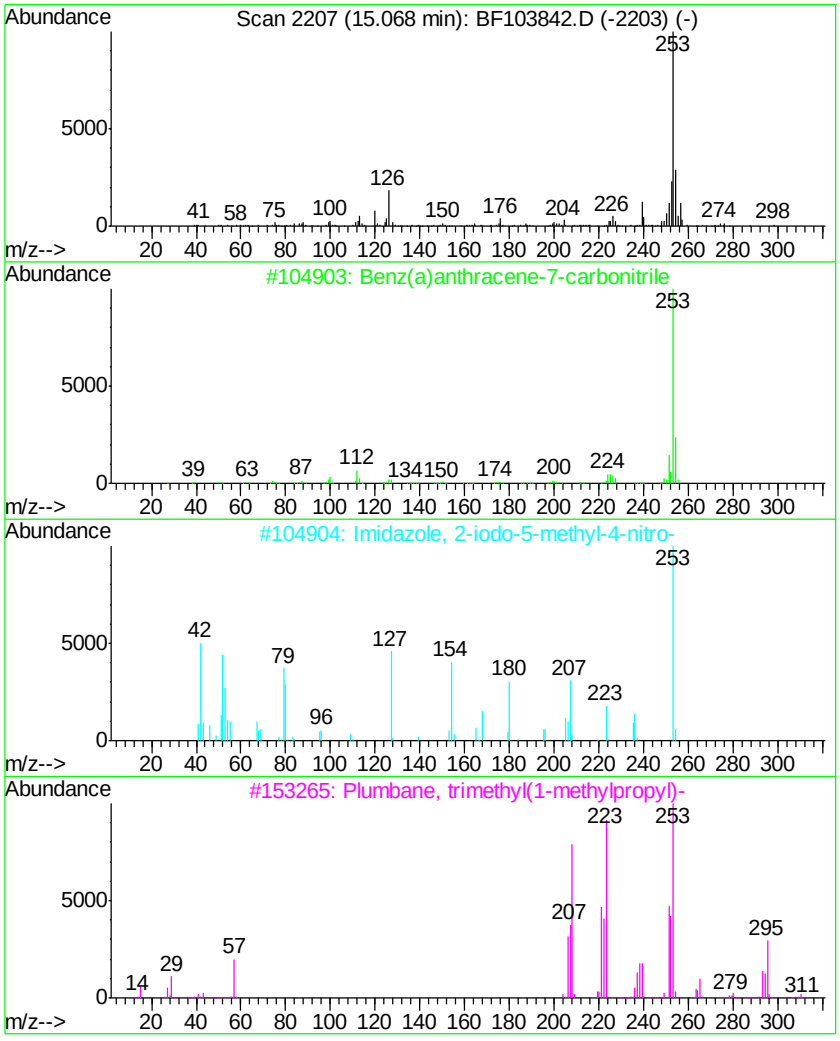
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

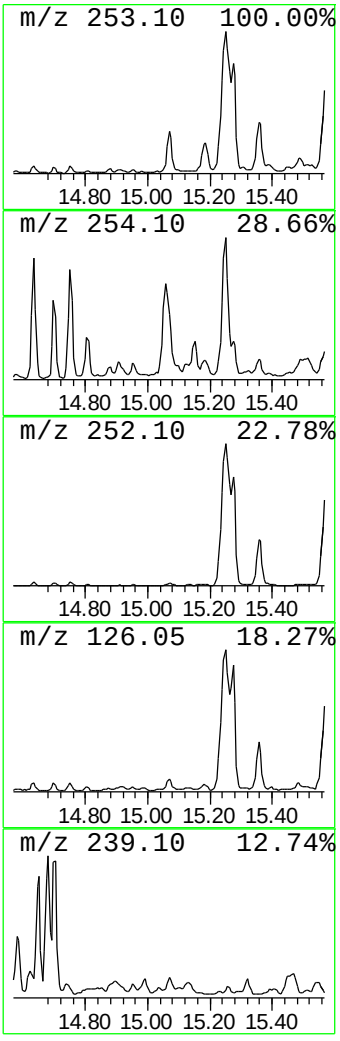
****

Peak Number 14 Benz(a)anthracene-7-carboni... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	7.61 ng	390214	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	53
2	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	45
3	Plumbane, trimethyl(1-methylprop...	310	C7H18Pb	054964-76-0	28
4	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	27
5	Benzofuran-5,6-diol-3-one, 2-ben...	254	C15H10O4	1000128-65-2	22





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

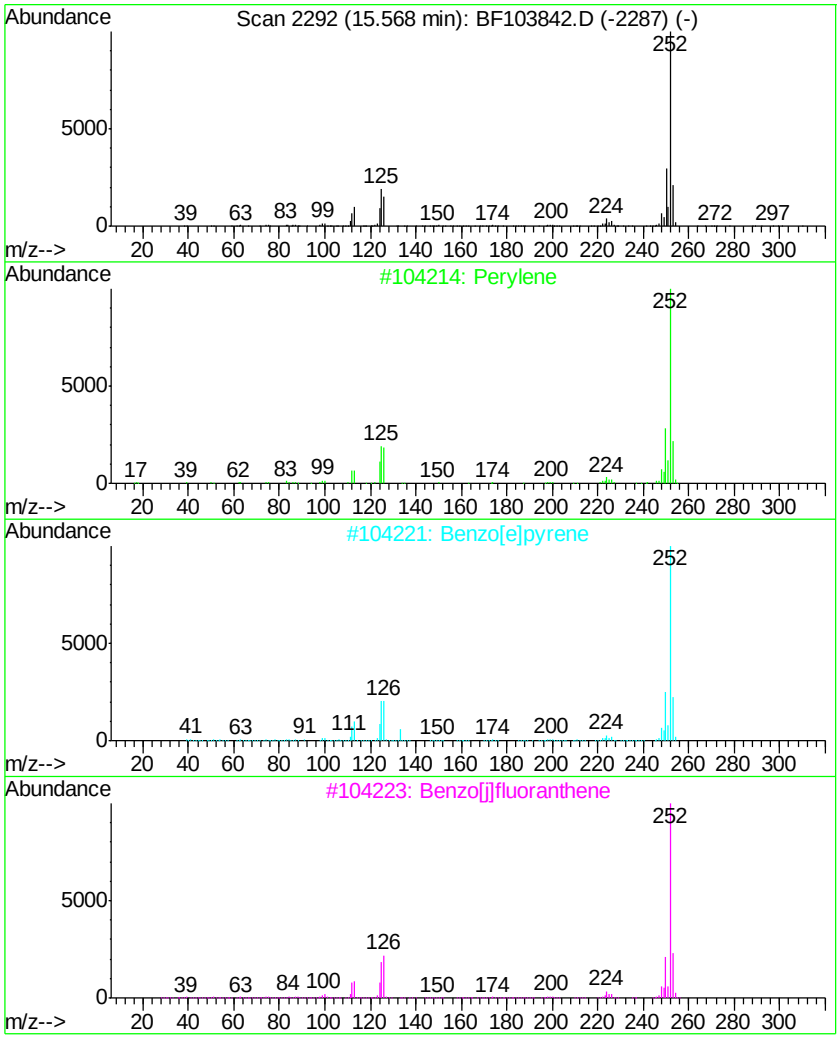
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

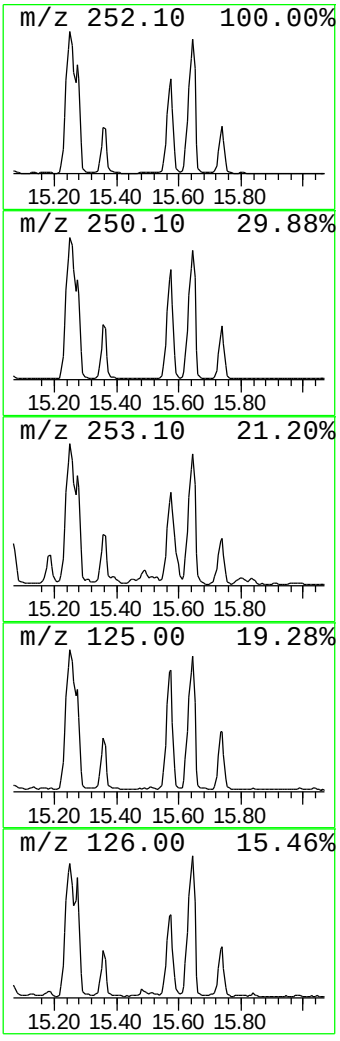
****

Peak Number 16 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	38.61 ng	1979240	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

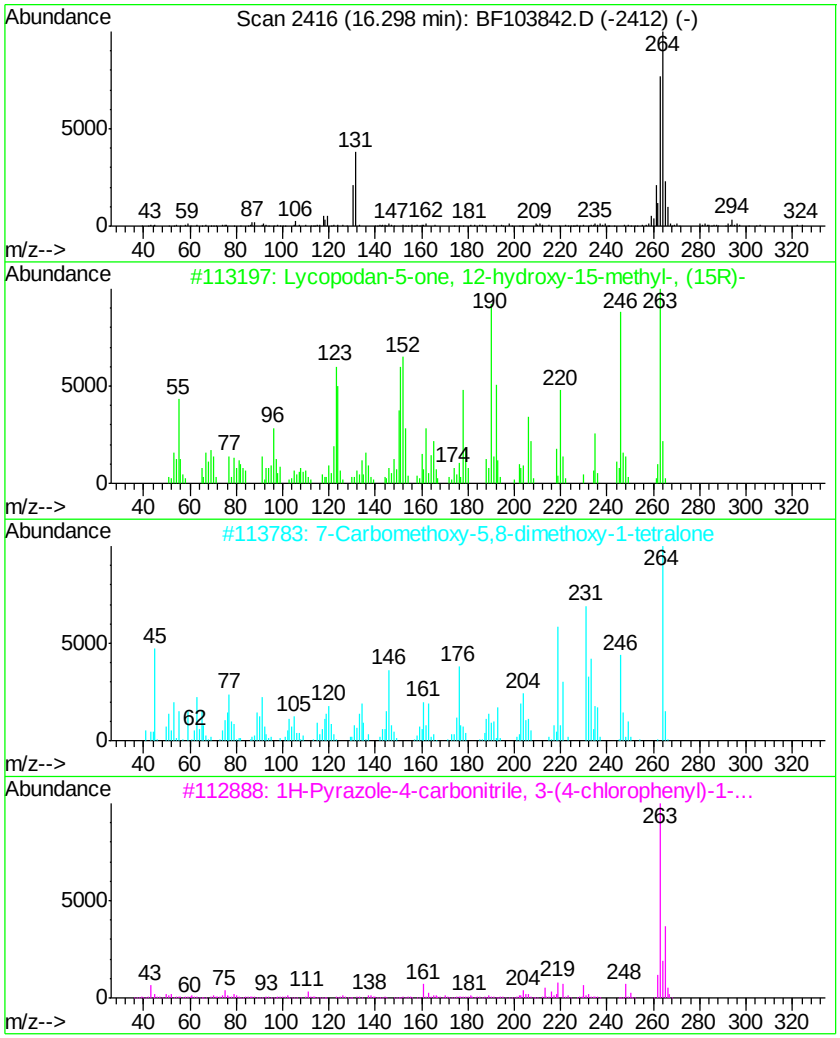
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

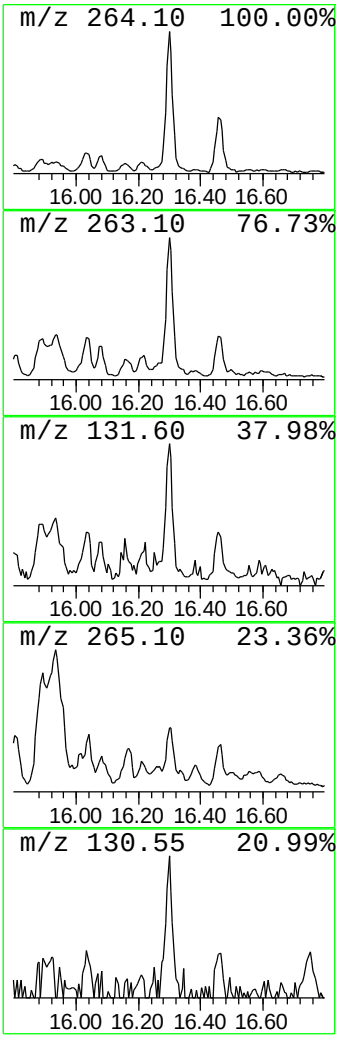
****

Peak Number 17 unknown16.30 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	4.93 ng	252907	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	25
2	7-Carbomethoxy-5,8-dimethoxy-1-t...	264	C14H16O5	122136-07-6	18
3	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	17
4	Terephthalic acid, decyl 2,2-dic...	402	C20H28Cl2O4	1000356-24-9	16
5	Bicyclo[2.2.1]hepta-2,5-diene, 1...	296	C7H2Cl6	003389-71-7	13





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

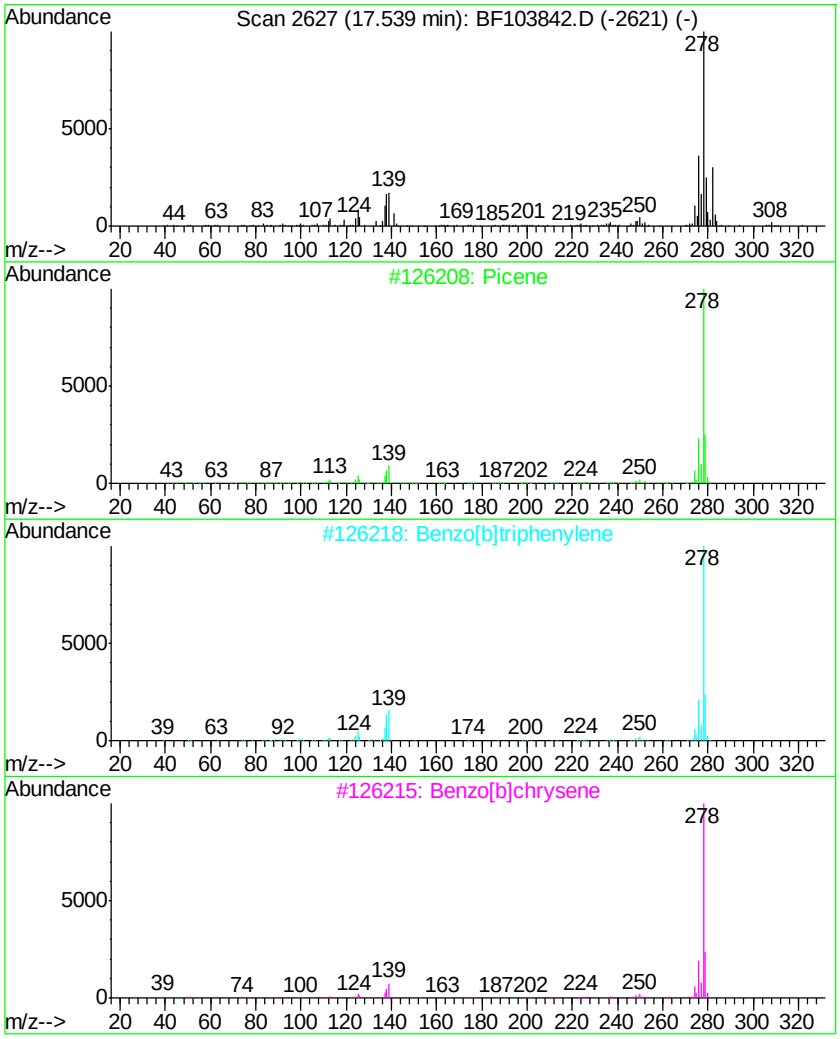
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

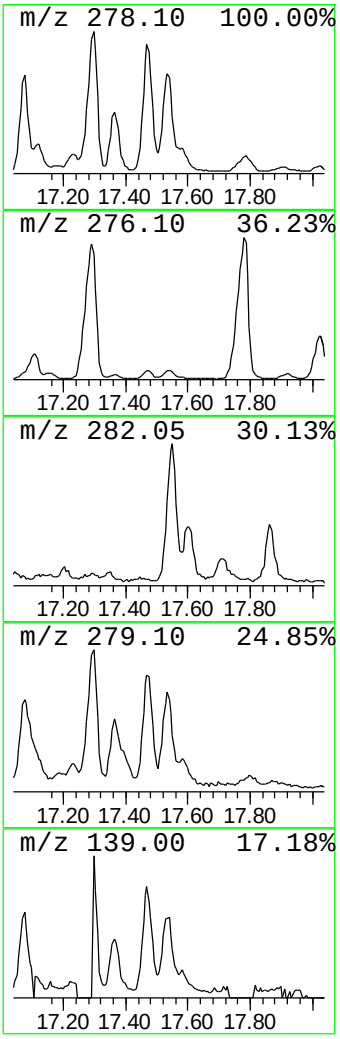
****

Peak Number 19 Picene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	8.27 ng	423944	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	95
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
3	Benzo[b]chrysene	278	C22H14	000214-17-5	93
4	Pentaphene	278	C22H14	000222-93-5	92
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	91





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

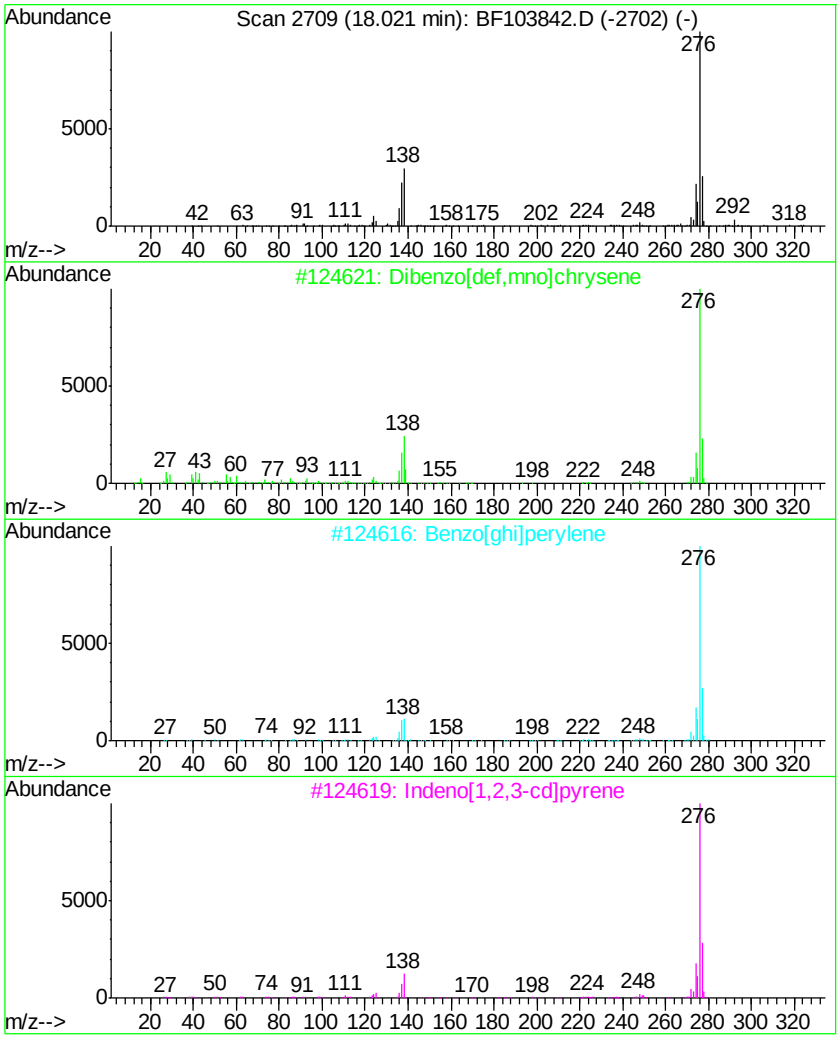
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

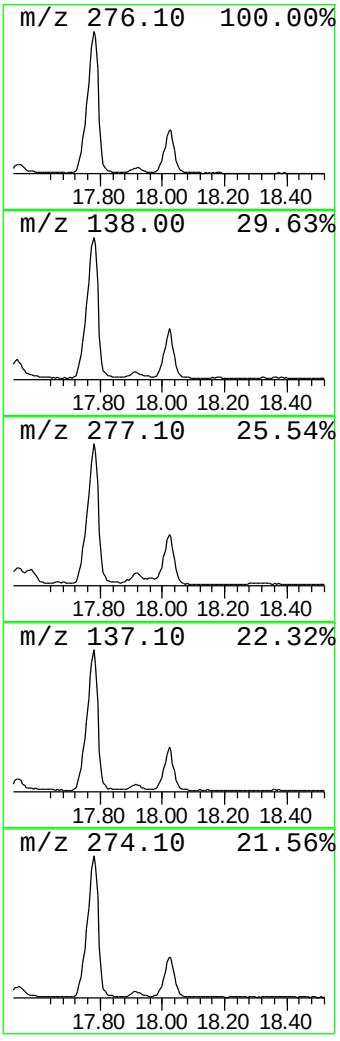
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	16.70 ng	856012	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	97
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	47





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103842.D
Acq On : 22 Mar 2018 10:36
Operator : JU/SJ
Sample : J1946-02 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(22-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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
unknown6.74	6.74	43.6	ng	1896750	1	6.97	869294	20.0
Anthracene, 2-met...	12.01	13.6	ng	890861	4	11.50	1312250	20.0
Phenanthrene, 2-m...	12.04	13.4	ng	876422	4	11.50	1312250	20.0
Anthracene, 9-met...	12.09	5.3	ng	348994	4	11.50	1312250	20.0
4H-Cyclopenta[def...	12.12	21.2	ng	1390350	4	11.50	1312250	20.0
Phenanthrene, 1-m...	12.14	6.3	ng	410781	4	11.50	1312250	20.0
Naphthalene, 2-ph...	12.30	8.8	ng	580213	4	11.50	1312250	20.0
9,10-Anthracenedione	12.33	4.5	ng	292451	4	11.50	1312250	20.0
Phenanthrene, 2,5...	12.56	8.7	ng	572318	4	11.50	1312250	20.0
Cyclopenta(def)ph...	12.65	7.0	ng	461342	4	11.50	1312250	20.0
Cyclopenta[cd]pyrene	13.96	4.9	ng	1116320	5	14.17	4583820	20.0
Benz(a)anthracene...	15.07	7.6	ng	390214	6	15.70	1025150	20.0
Perylene	15.57	38.6	ng	1979240	6	15.70	1025150	20.0
unknown16.30	16.30	4.9	ng	252907	6	15.70	1025150	20.0
Picene	17.54	8.3	ng	423944	6	15.70	1025150	20.0
Dibenzo[def,mno]c...	18.02	16.7	ng	856012	6	15.70	1025150	20.0