LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

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-BF110817.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	5.092	507	511	519	rBV	69888	91361	6.23%	0.362%
2	5.481	573	577	581	rBV	1316010	1350350	92.08%	5.354%
3	6.492	744	749	758	rBV	1338797	1343027	91.58%	5.325%
4	6.633	768	773	776	rBV	1449512	1400032	95.47%	5.551%
5	6.857	808	811	815	rBV	475394	379199	25.86%	1.503%
6	7.016	834	838	841	rBV	1338291	1109088	75.63%	4.397%
7	7.422	902	907	910	rBV	845041	823158	56.13%	3.264%
8	8.139	1026	1029	1032	rBV	593219	465058	31.71%	1.844%
9	9.216	1207	1212	1215	rBV	1788145	1466529	100.00%	5.815%
10	9.551	1263	1269	1272	rBV	31808	34672	2.36%	0.137%
11	9.604	1276	1278	1281	rVB	102992	78851	5.38%	0.313%
12	9.757	1301	1304	1307	rBV	54780	45794	3.12%	0.182%
13	9.816	1311	1314	1319	rVB	68521	51422	3.51%	0.204%
14	9.898	1324	1328	1331	rVV	459426	434689	29.64%	1.723%
15	9.927	1331	1333	1336	rVB	92427	68614	4.68%	0.272%
16	10.098	1356	1362	1365	rVV2	64430	68824	4.69%	0.273%
17	10.316	1397	1399	1402	rVB	75122	55145	3.76%	0.219%
18	10.439	1417	1420	1425	rVB	73268	67017	4.57%	0.266%
19	10.598	1442	1447	1450	rBV2	26809	28612	1.95%	0.113%
20	10.686	1458	1462	1465	rBV	737672	693454	47.29%	2.749%
21	10.786	1477	1479	1487	rVB3	42392	58076	3.96%	0.230%
22	10.980	1507	1512	1516	rBV4	39903	50099	3.42%	0.199%
23	11.186	1544	1547	1550	rVB	75450	59854	4.08%	0.237%
24	11.233	1550	1555	1558	rVV3	31148	36132	2.46%	0.143%
25	11.274	1558	1562	1568	rVB	48587	53255	3.63%	0.211%
26	11.380	1577	1580	1582	rBV	374727	356466	24.31%	1.413%
27	11.410	1582	1585	1588	rVV	1079112	869945	59.32%	3.449%
28	11.457	1590	1593	1596	rVB	219111	168345	11.48%	0.667%
29	11.610	1613	1619	1622	rBV2	101690	101485	6.92%	0.402%
30	11.674	1626	1630	1634	rVV3	23790	26430	1.80%	0.105%
31	11.710	1634	1636	1641	rVV2	34174	34692	2.37%	0.138%
32	11.880	1660	1665	1667	rBV	142232	145738	9.94%	0.578%
33	11.910	1667	1670	1674	rVV2	309897	337349	23.00%	1.338%
34	11.957	1676	1678	1681	rVV	62660	53087	3.62%	0.210%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

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-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.992	1681	1684	1687	rVV2	176868	217272	14.82%	0.861%
36	12.015	1687	1688	1693	rVB	115368	78261	5.34%	0.310%
37	12.180	1713	1716	1718	rBV	84594	77218	5.27%	0.306%
38	12.204	1718	1720	1726	rVB	104710	98602	6.72%	0.391%
39	12.327	1739	1741	1744	rVB2	40294	30235	2.06%	0.120%
40	12.357	1744	1746	1748	rVB	38077	27390	1.87%	0.109%
41	12.380	1748	1750	1753	rVB2	37039	27155	1.85%	0.108%
42	12.433	1753	1759	1762	rBV	113537	154818	10.56%	0.614%
43	12.468	1762	1765	1767	rVV3	51717	68741	4.69%	0.273%
44	12.521	1771	1774	1778	rBV	102342	106305	7.25%	0.421%
45	12.598	1783	1787	1791	rBV	1245486	1213432	82.74%	4.811%
46	12.657	1795	1797	1800	rVV2	39490	29782	2.03%	0.118%
47	12.686	1800	1802	1805	rVV	122119	107566	7.33%	0.426%
48	12.727	1805	1809	1810	rVV4	32418	35515	2.42%	0.141%
49	12.745	1810	1812	1815	rVV2	47405	56847	3.88%	0.225%
50	12.833	1820	1827	1831	rVV	1087172	1292810	88.15%	5.126%
51	12.874	1831	1834	1838	rVB2	71288	86149	5.87%	0.342%
52	12.968	1846	1850	1856	rVB	1127361	1168405	79.67%	4.633%
53	13.045	1858	1863	1866	rVV3	95061	158352	10.80%	0.628%
54	13.074	1866	1868	1870	rVV	41108	41837	2.85%	0.166%
55	13.098	1870	1872	1874	rVV3	40587	40342	2.75%	0.160%
56	13.127	1874	1877	1879	rVV4	107455	139932	9.54%	0.555%
57	13.151	1879	1881	1884	rVV	134562	127697	8.71%	0.506%
58	13.186	1884	1887	1890	rVV3	28613	40973	2.79%	0.162%
59	13.215	1890	1892	1895	rVV	73759	77034	5.25%	0.305%
60	13.257	1895	1899	1902	rVV2	144527	177277	12.09%	0.703%
61	13.280	1902	1903	1906	rVV2	44232	41666	2.84%	0.165%
62	13.351	1910	1915	1917	rVV	94411	109434	7.46%	0.434%
63	13.380	1917	1920	1923	rVV	116418	120416	8.21%	0.477%
64	13.439	1927	1930	1932	rVV	56215	60657	4.14%	0.240%
65	13.462	1932	1934	1937	rVB2	29719	30667	2.09%	0.122%
66	13.527	1942	1945	1949	rBV4	36549	70329	4.80%	0.279%
67	13.662	1965	1968	1972	rVV	176336	171890	11.72%	0.682%
68	13.768	1982	1986	1989	rVV2	127319	168011	11.46%	0.666%
69	13.798	1989	1991	1993	rVV	121161	105638	7.20%	0.419%
70	13.821	1993	1995	1999	rVV2	87371	145297	9.91%	0.576%
71	13.868	1999	2003	2007	rVB	173892	206418	14.08%	0.818%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

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-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.939	2012	2015	2017	rBV	23660	28410	1.94%	0.113%
73	14.021	2021	2029	2032	rVV2	802309	1282456	87.45%	5.085%
74	14.051	2032	2034	2041	rVB	655921	585942	39.95%	2.323%
75	14.133	2045	2048	2050	rVV	78443	85253	5.81%	0.338%
76	14.168	2052	2054	2056	rVV	58738	64311	4.39%	0.255%
77	14.215	2060	2062	2064	rVV	95775	88898	6.06%	0.352%
78	14.251	2064	2068	2071	rVV2	80050	104844	7.15%	0.416%
79	14.280	2071	2073	2075	rVB3	31071	25917	1.77%	0.103%
80	14.374	2086	2089	2090	rBV	44976	33881	2.31%	0.134%
81	14.409	2090	2095	2098	rVV	139219	132990	9.07%	0.527%
82	14.439	2098	2100	2104	rVB2	66185	61449	4.19%	0.244%
83	14.504	2104	2111	2113	rBV6	52574	114451	7.80%	0.454%
84	14.533	2113	2116	2118	rBV3	83640	84257	5.75%	0.334%
85	14.557	2118	2120	2122	rVB	46115	37087	2.53%	0.147%
86	14.833	2164	2167	2170	rBV3	31007	38473	2.62%	0.153%
87	15.068	2202	2207	2210	rBV	490620	764548	52.13%	3.031%
88	15.174	2222	2225	2228	rVB	97588	102412	6.98%	0.406%
89	15.374	2254	2259	2265	rVB	288981	398224	27.15%	1.579%
90	15.439	2265	2270	2274	rBV	400877	492664	33.59%	1.953%
91	15.498	2275	2280	2283	rBV	309008	391100	26.67%	1.551%
92	15.527	2283	2285	2291	rVB2	123712	162063	11.05%	0.643%
93	15.980	2359	2362	2365	rBV4	23888	37267	2.54%	0.148%
94	16.062	2373	2376	2379	rBV2	20850	28894	1.97%	0.115%
95	16.527	2451	2455	2458	rBV6	14847	26961	1.84%	0.107%
96	16.809	2501	2503	2517	rVB5	29668	75255	5.13%	0.298%
97	16.974	2525	2531	2538	rVB2	162085	312429	21.30%	1.239%
98	17.145	2554	2560	2564	rBV2	34500	73582	5.02%	0.292%
99	17.203	2567	2570	2575	rVV2	24017	40687	2.77%	0.161%
100	17.421	2601	2607	2614	rVB	112877	230600	15.72%	0.914%

Sum of corrected areas: 25221524

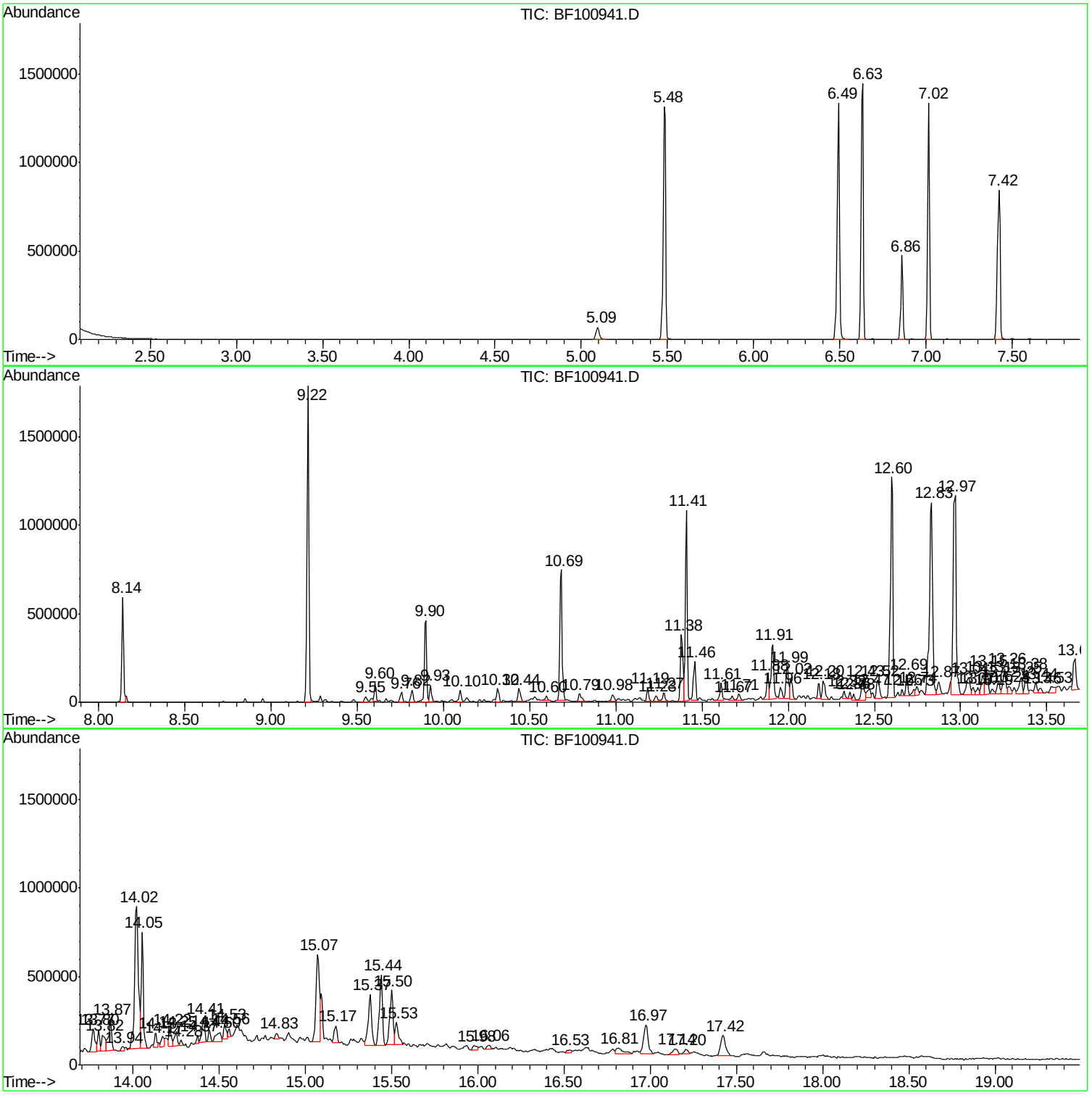
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

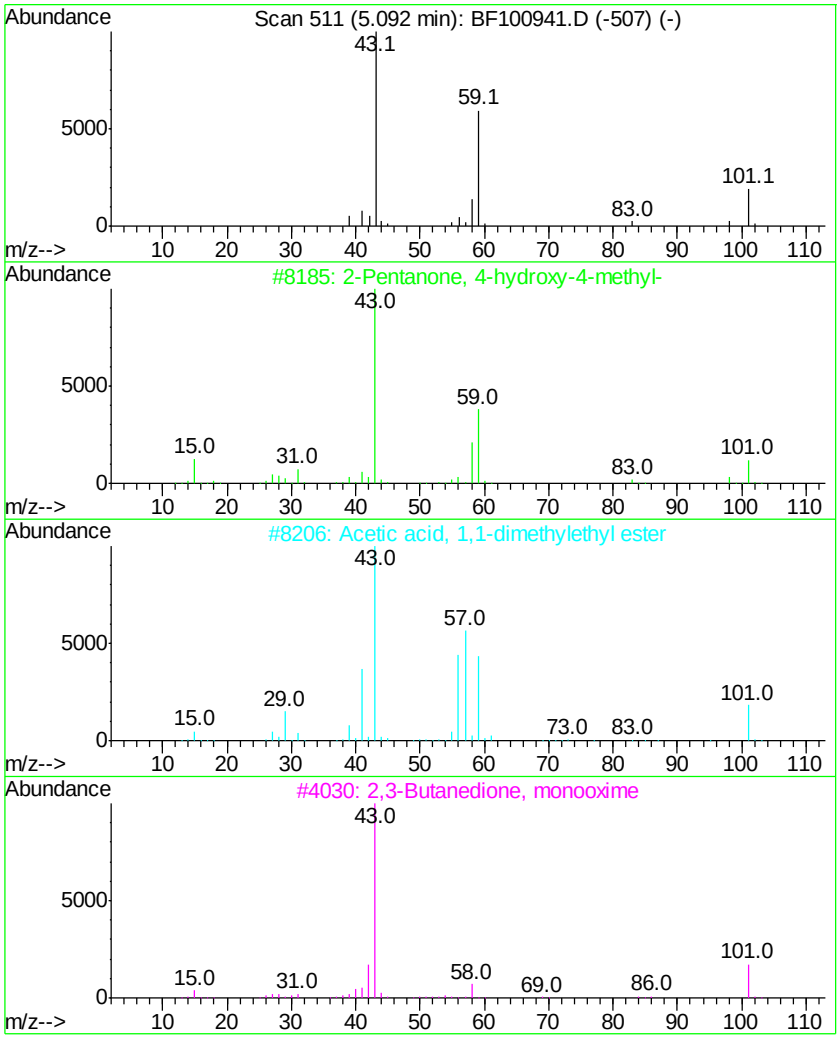
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

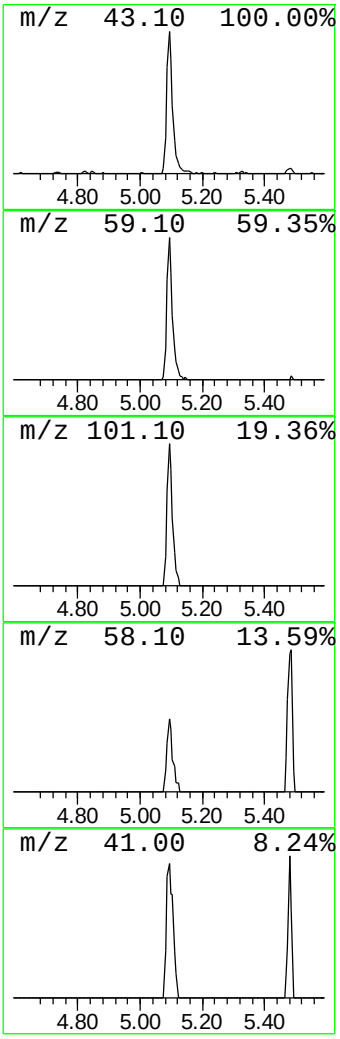
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	4.82 ng	91361	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

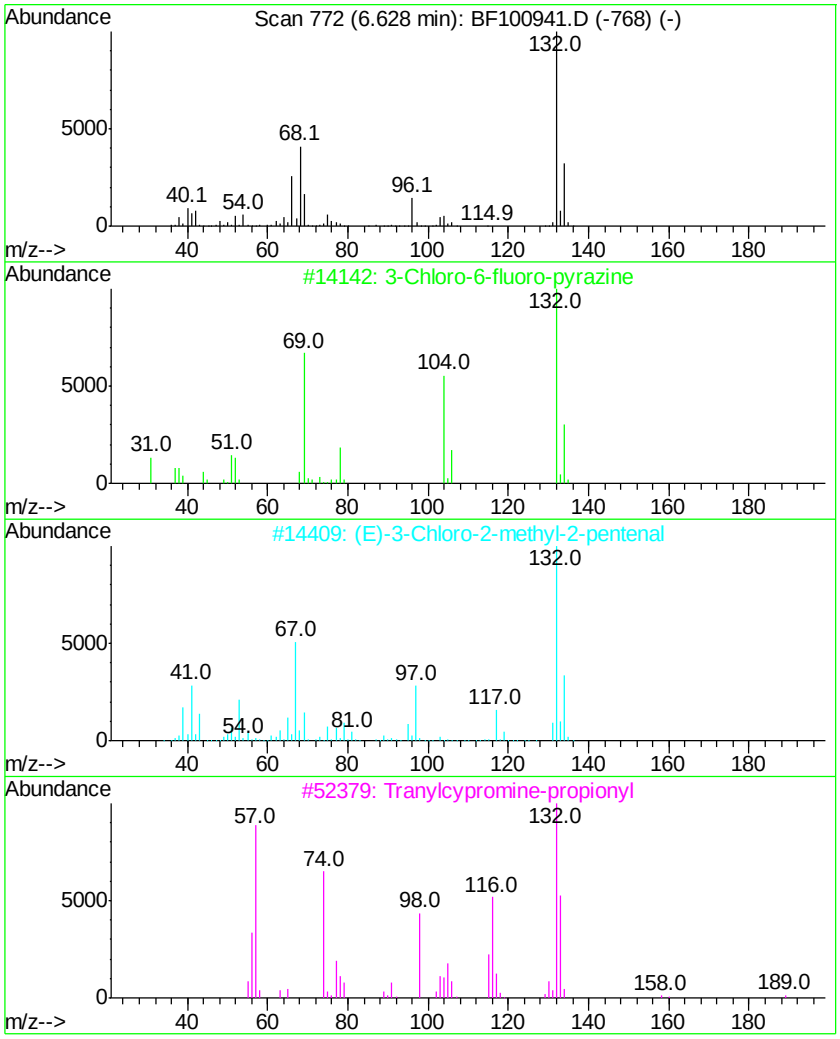
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

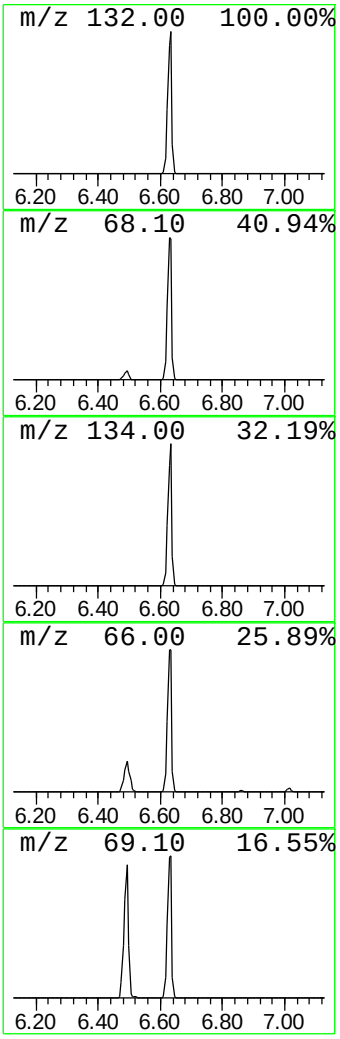
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	73.84 ng	1400030	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

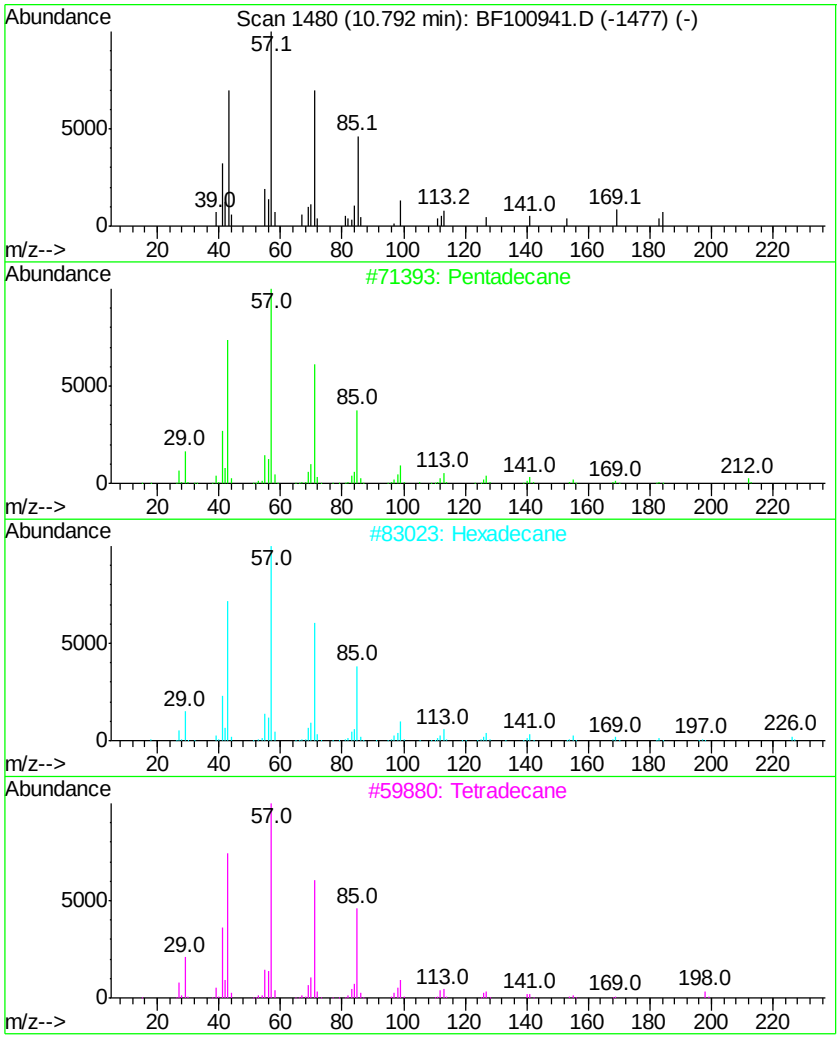
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

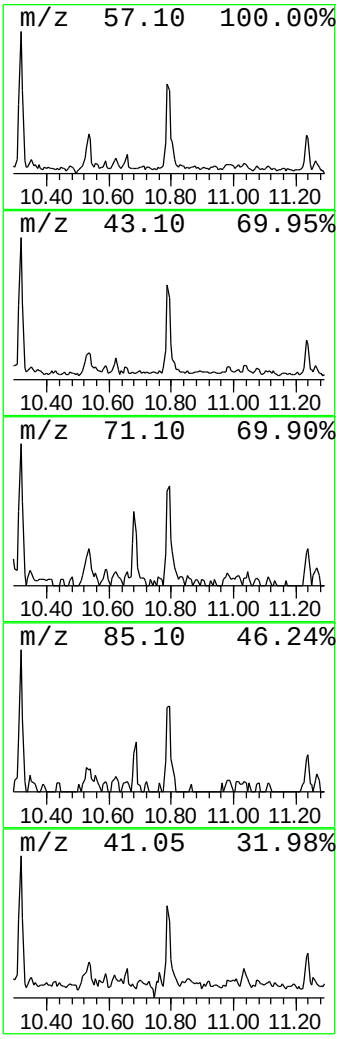
****

Peak Number 4 Pentadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	3.26 ng	58076	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	80
2	Hexadecane	226	C16H34	000544-76-3	72
3	Tetradecane	198	C14H30	000629-59-4	72
4	Octacosane	394	C28H58	000630-02-4	72
5	Octadecane	254	C18H38	000593-45-3	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

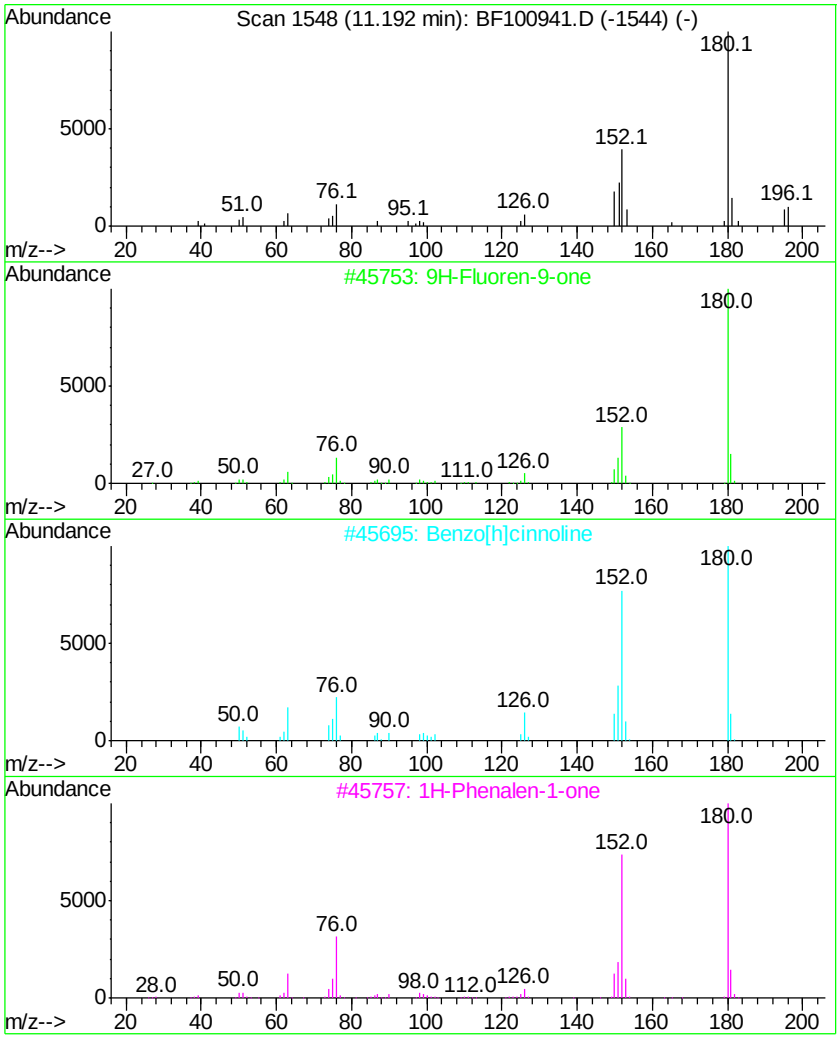
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

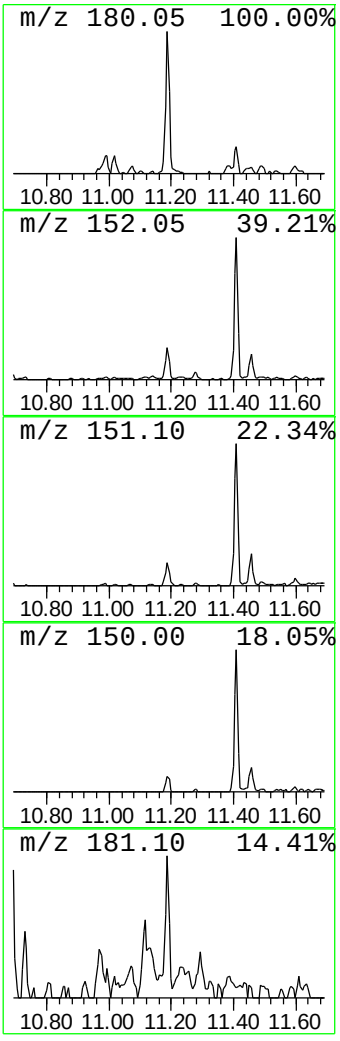
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	3.36 ng	59854	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50
5	9-Aminofluorene	181	C13H11N	000525-03-1	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

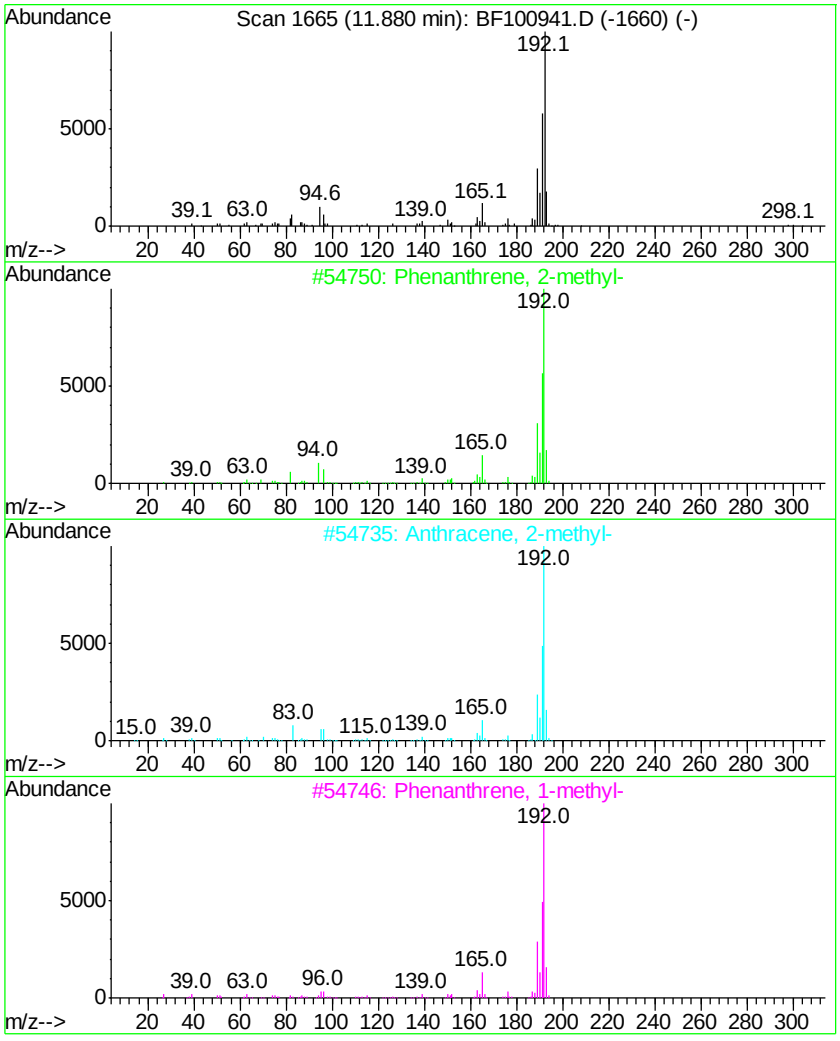
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

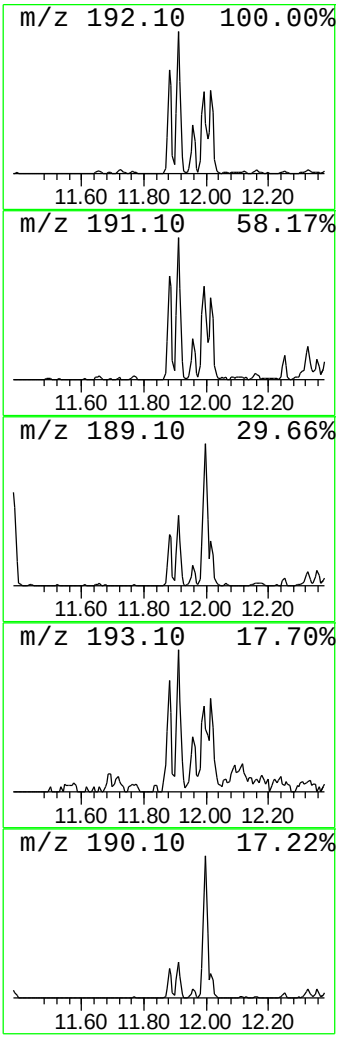
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	8.18 ng	145738	Phenanthrene-d10	11.38

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

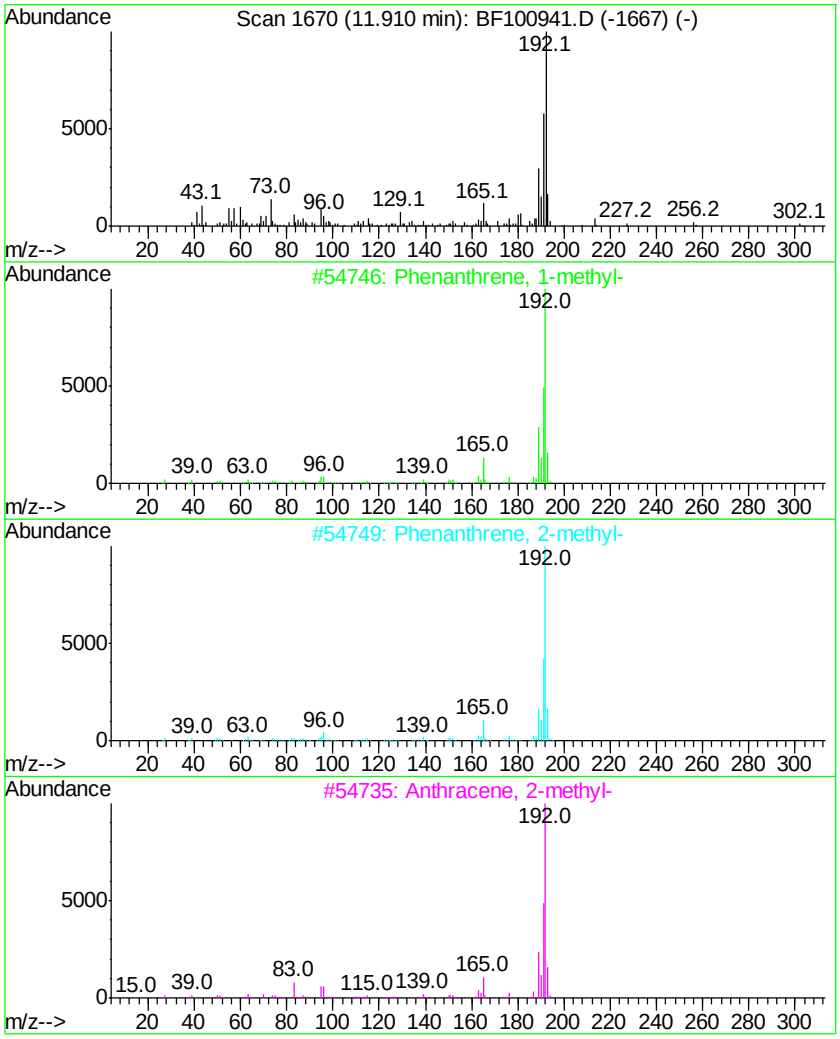
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

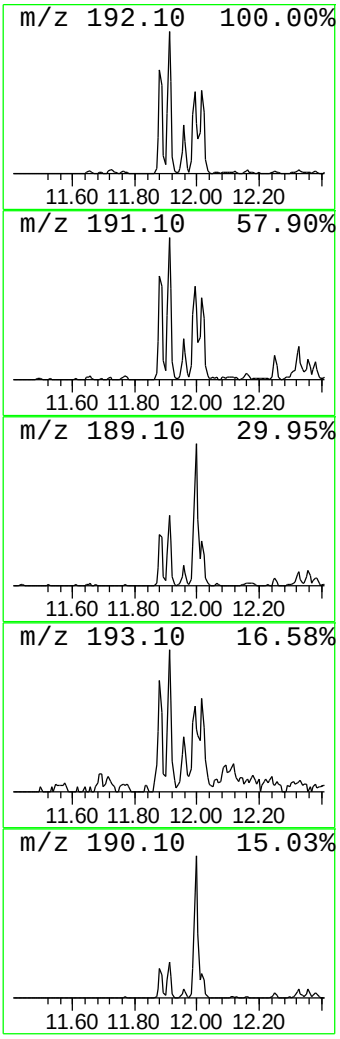
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	18.93 ng	337349	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

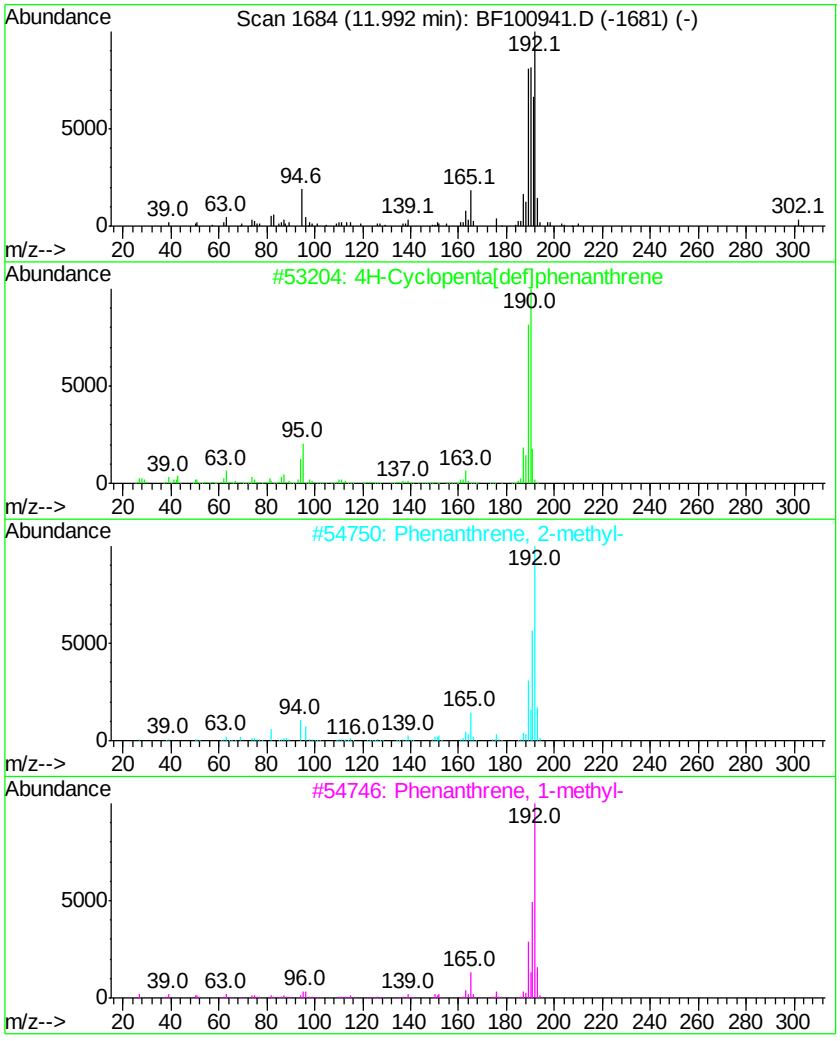
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

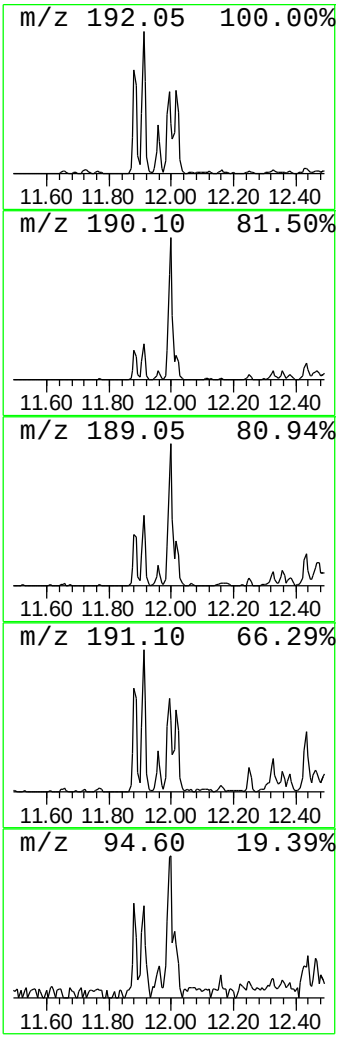
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	12.19 ng	217272	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	50
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

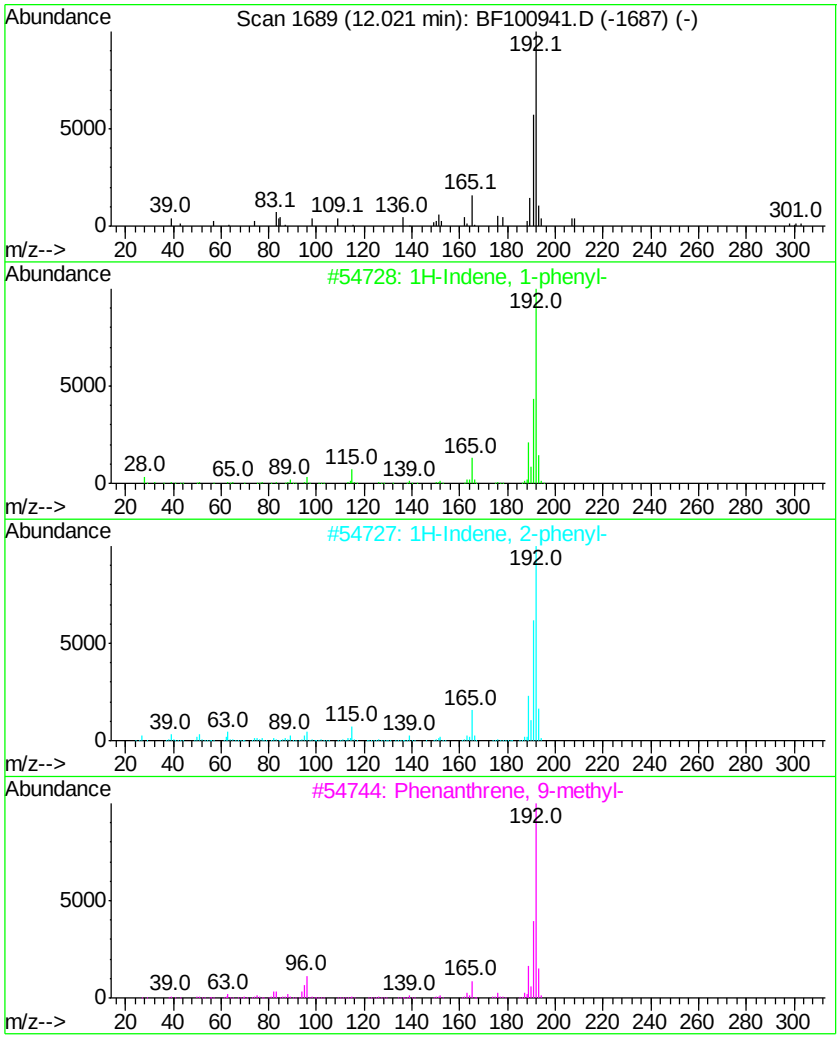
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

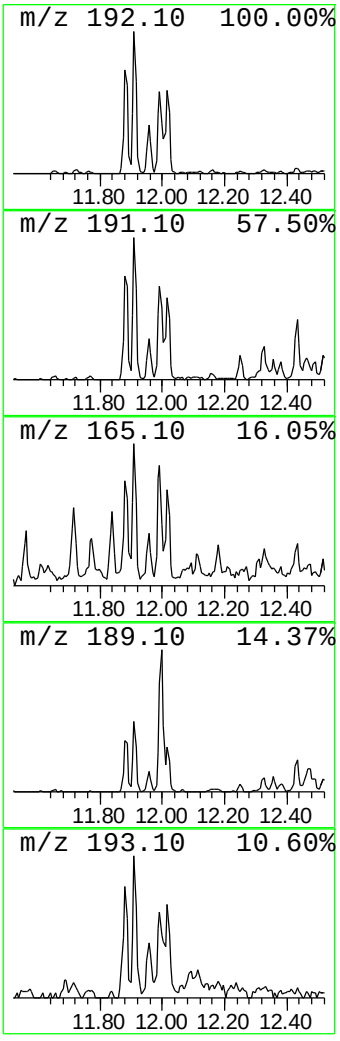
****

Peak Number 9 1H-Indene, 1-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.39 ng	78261	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

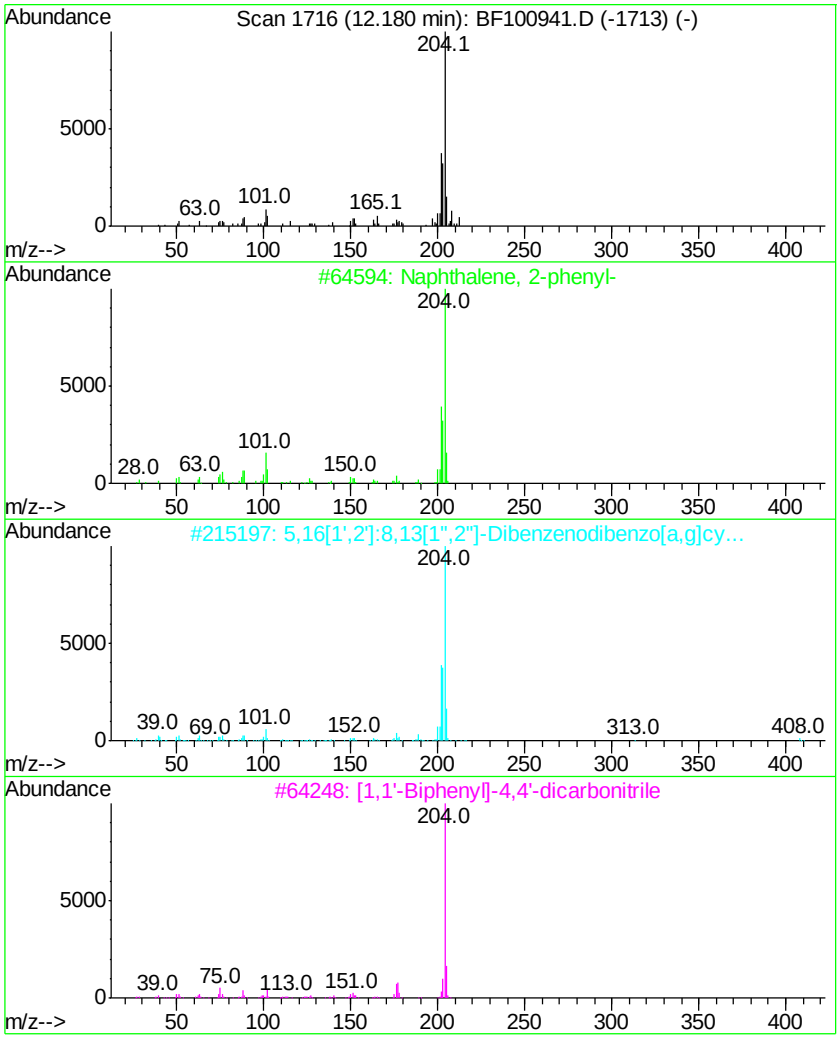
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

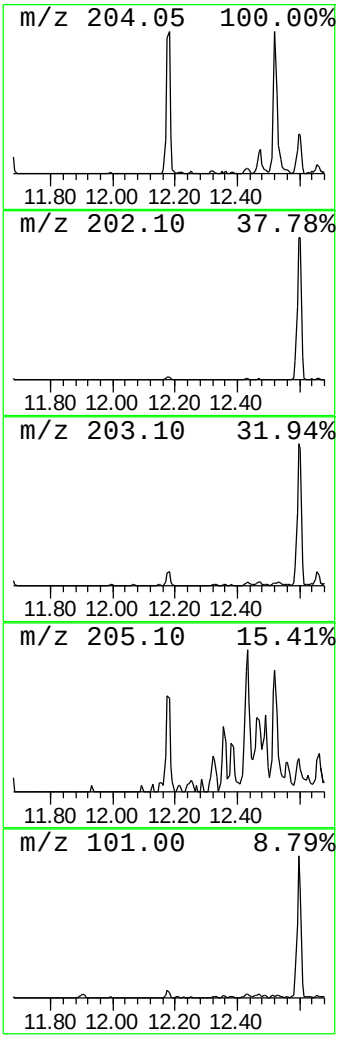
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	4.33 ng	77218	Phenanthrene-d10	11.38

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	87
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53
5	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

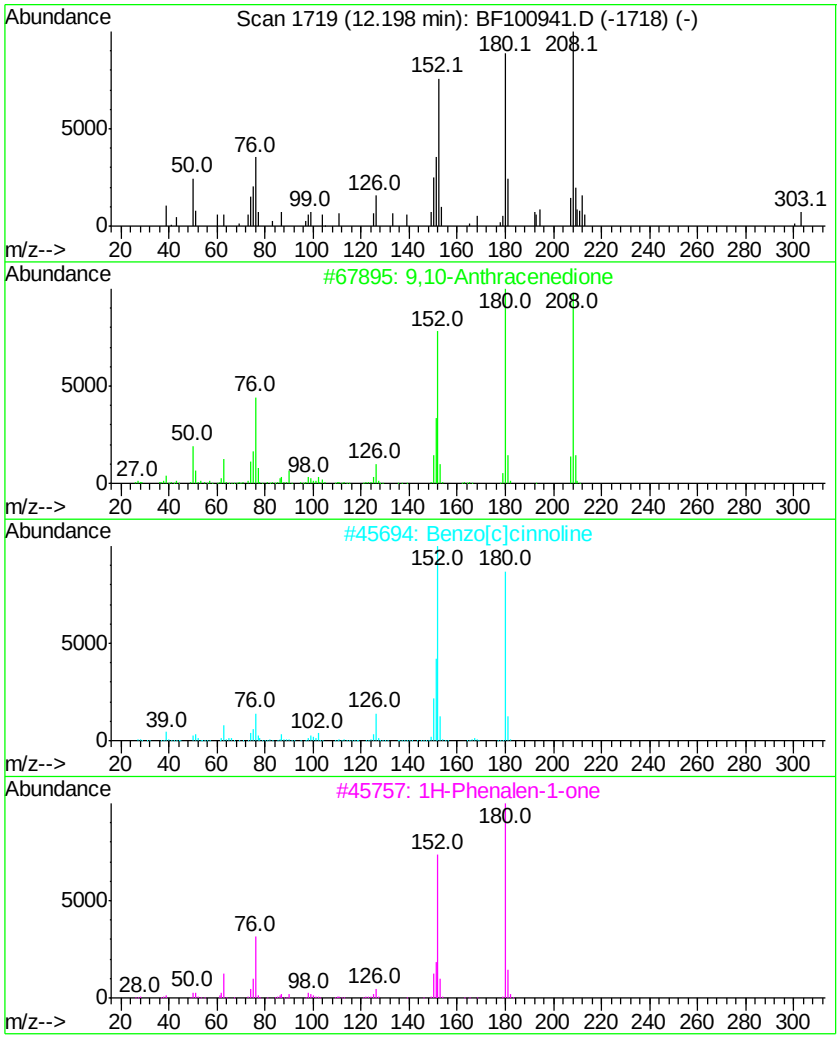
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

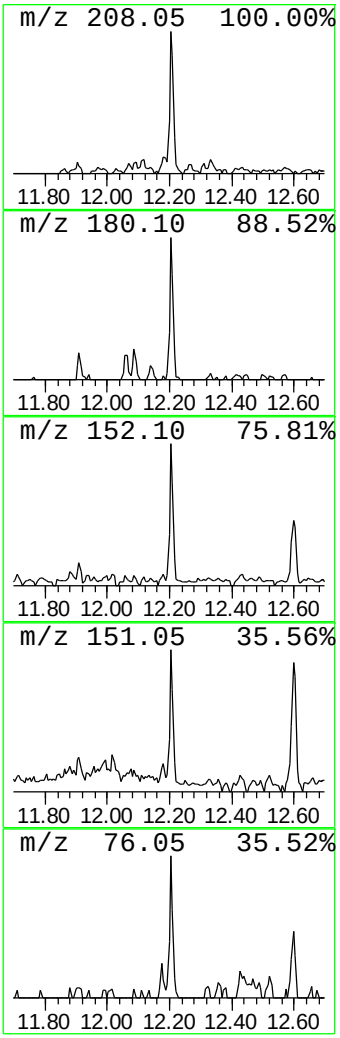
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	5.53 ng	98602	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

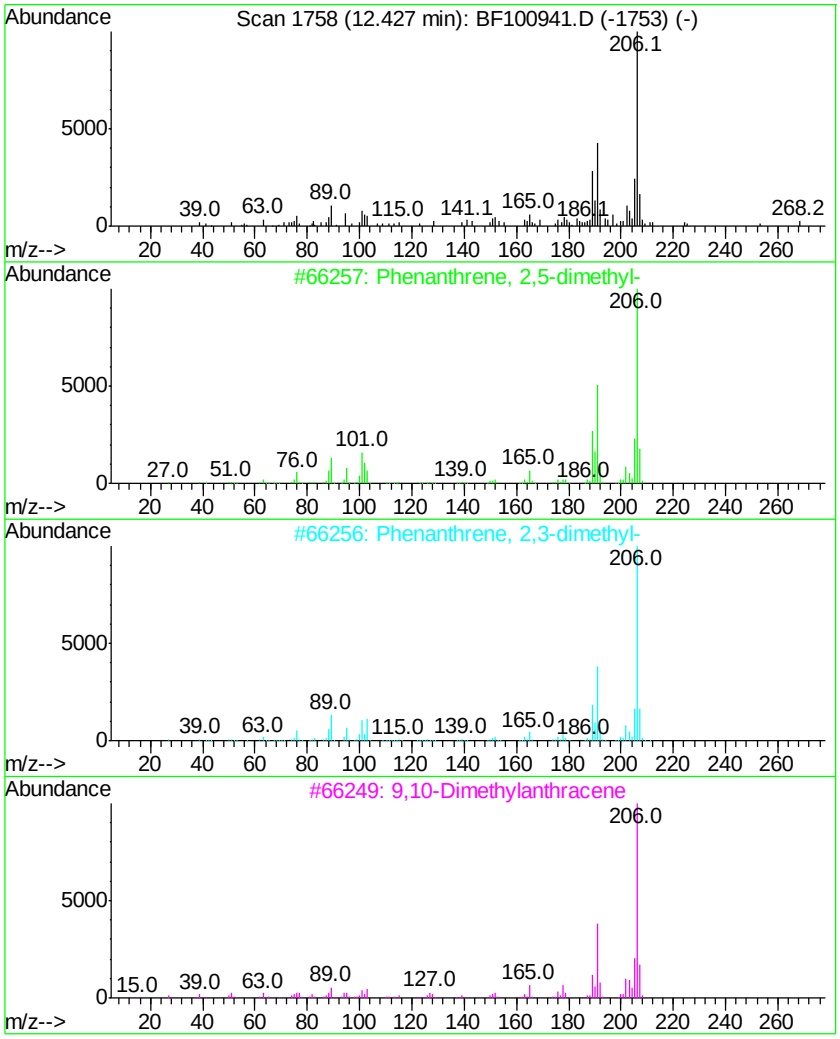
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

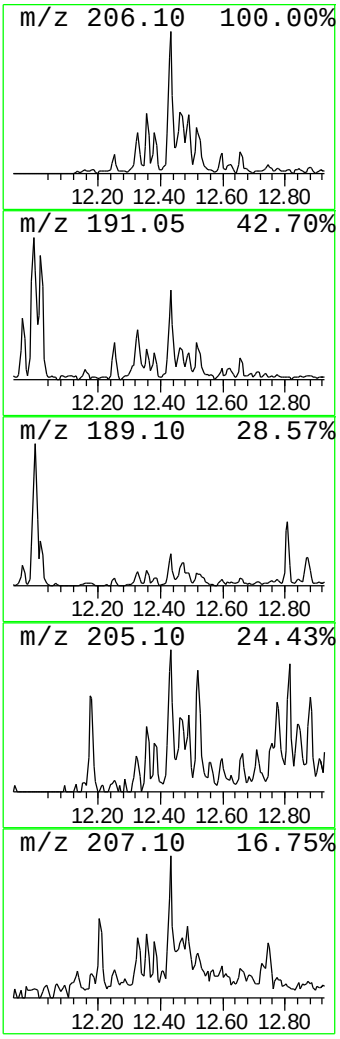
****

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	8.69 ng	154818	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

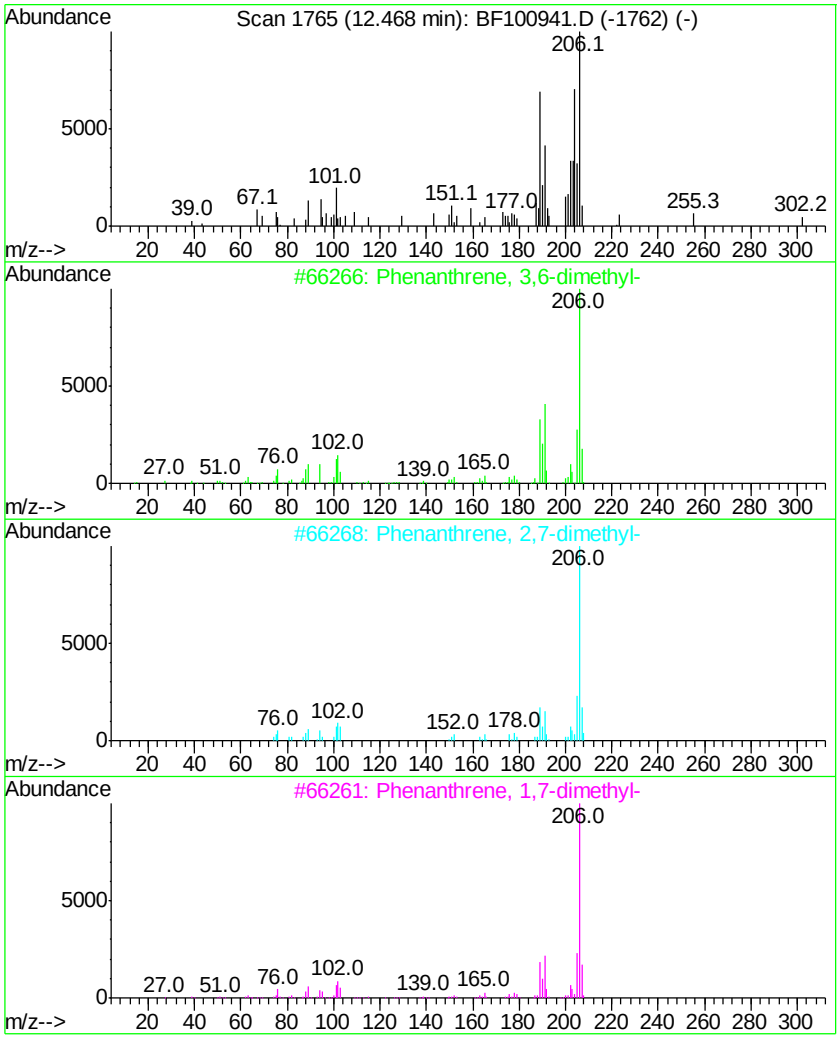
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

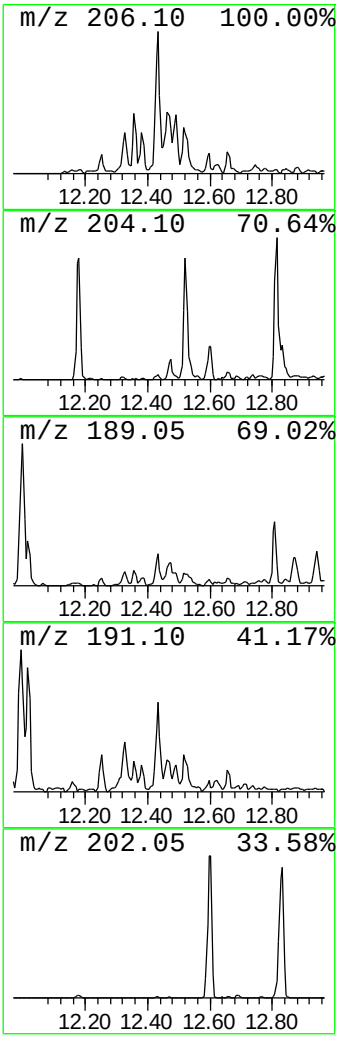
****

Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	3.86 ng	68741	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	49
4	4-Bromo-2-fluoroanisole	204	C7H6BrFO	002357-52-0	47
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

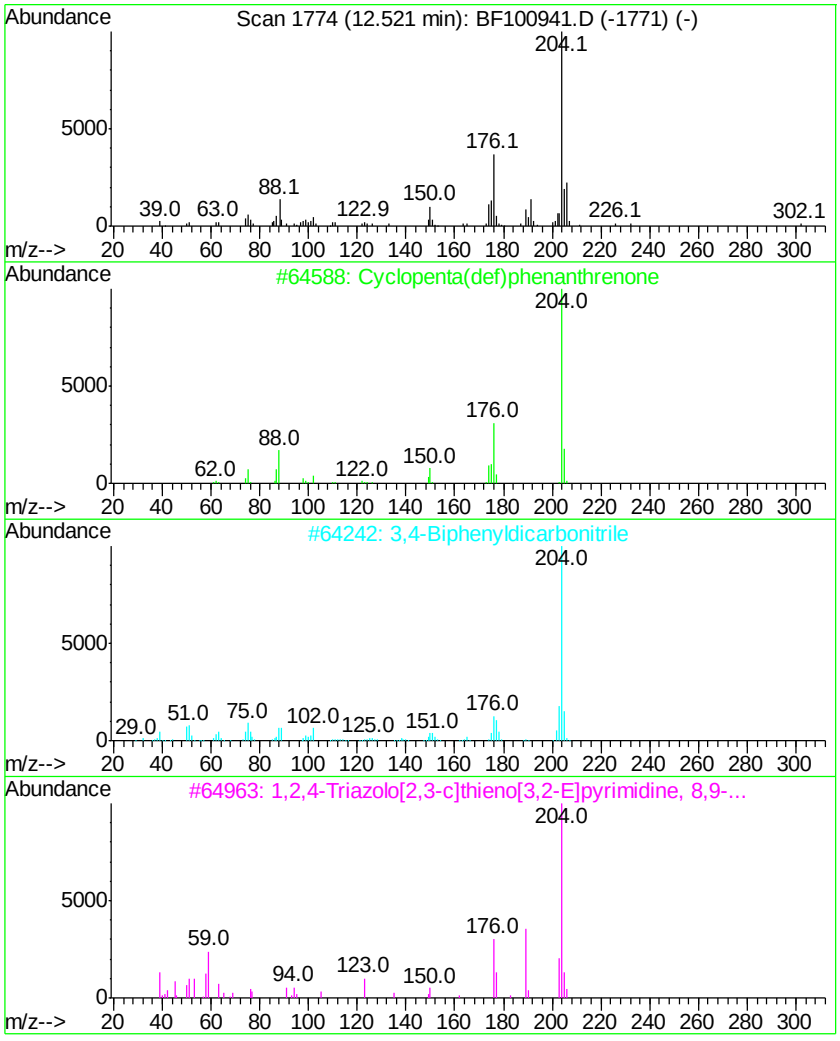
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

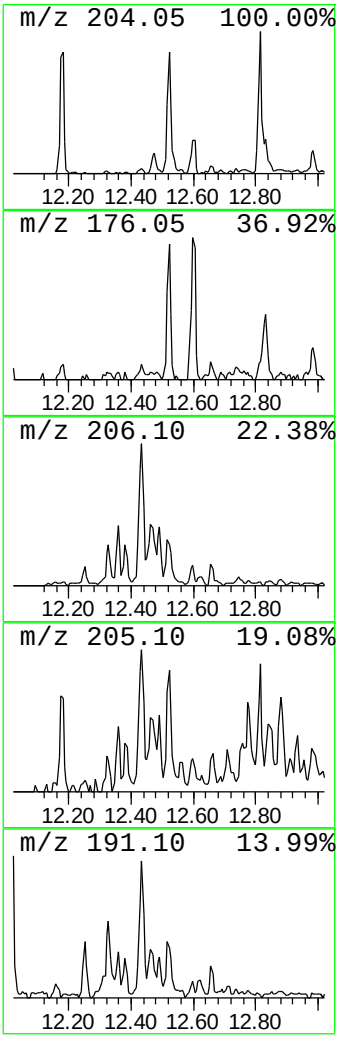
****

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	5.96 ng	106305	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
3	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	53
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
5	Tetrathiafulvalene	204	C6H4S4	031366-25-3	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

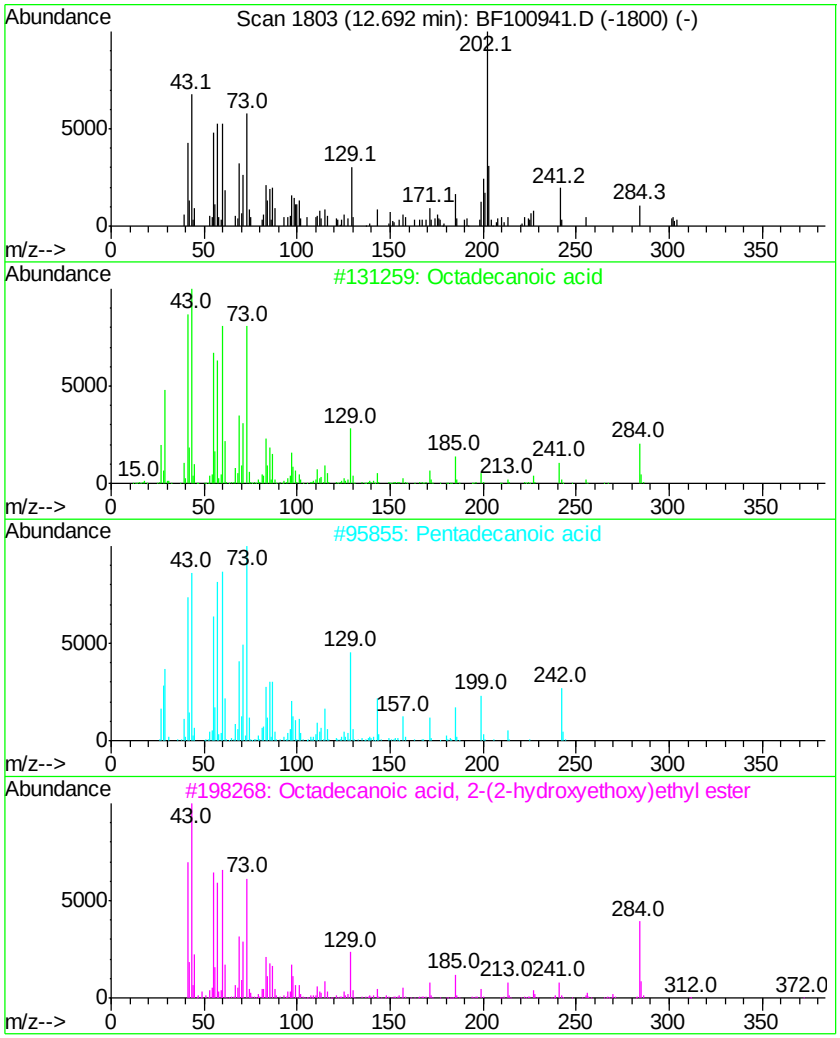
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

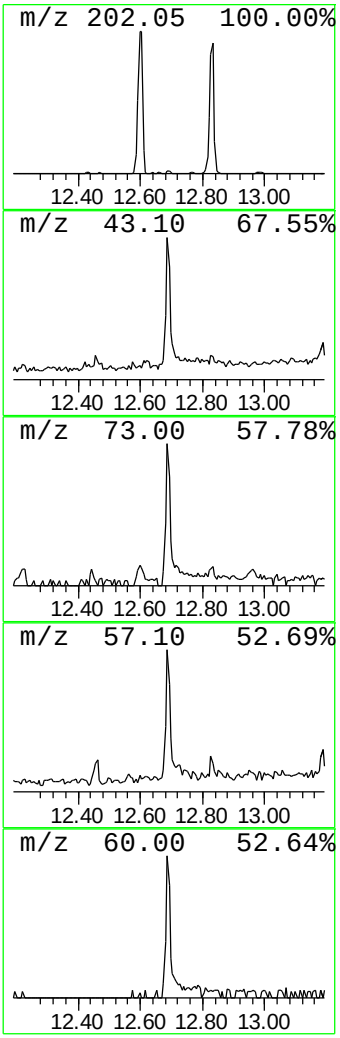
****

Peak Number 15 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	6.04 ng	107566	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	91
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	49
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	45
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

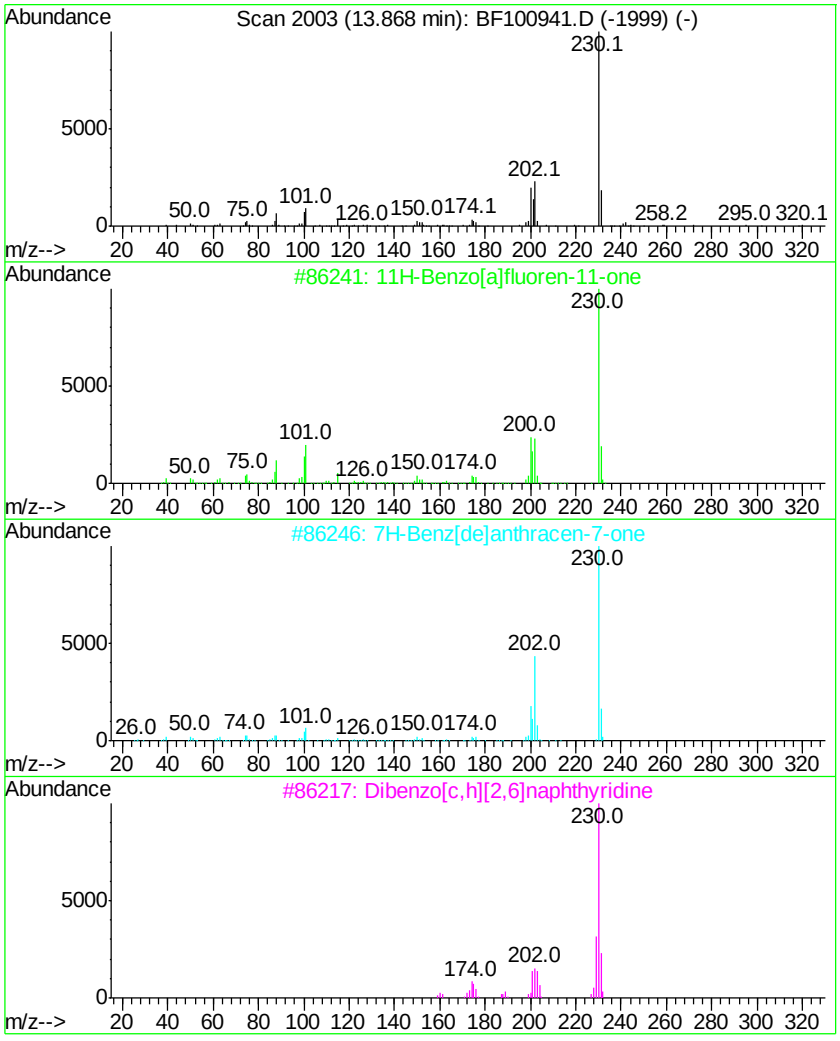
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

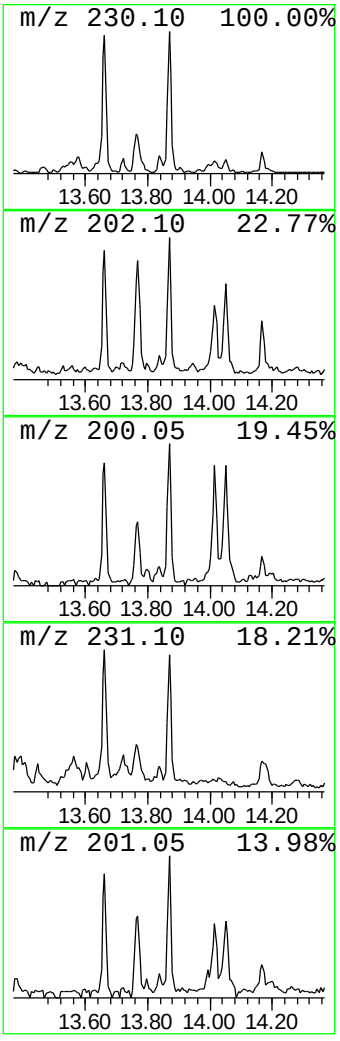
****

Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	3.22 ng	206418	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	59
4	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

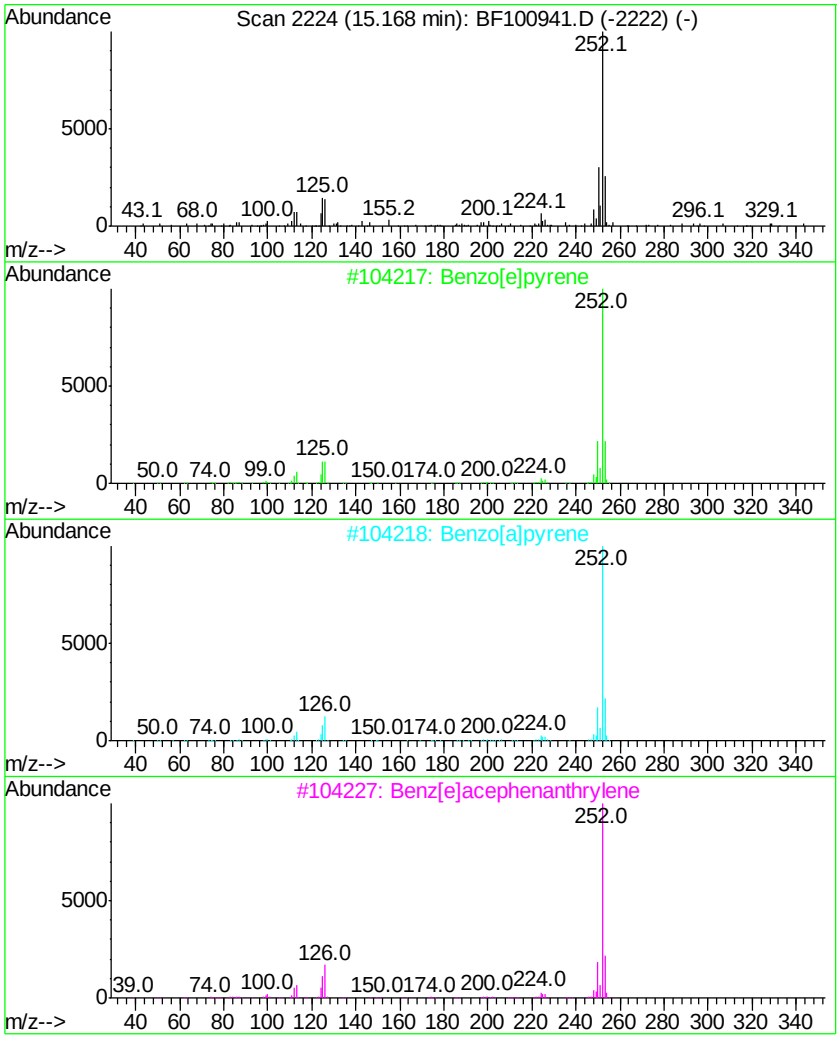
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

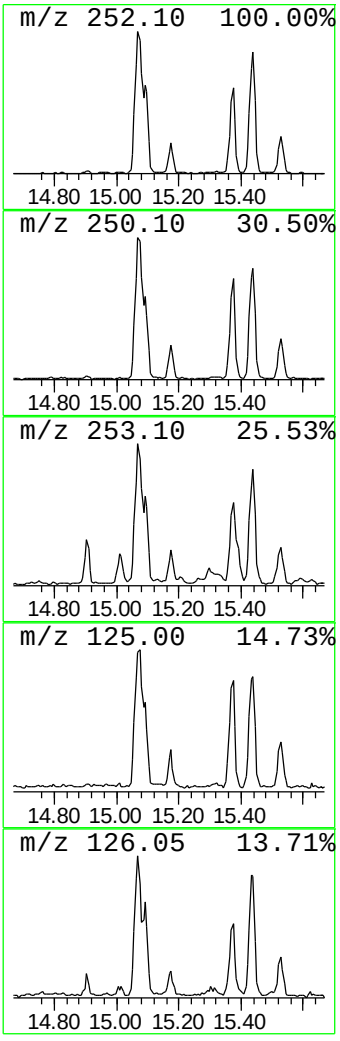
****

Peak Number 17 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	5.24 ng	102412	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

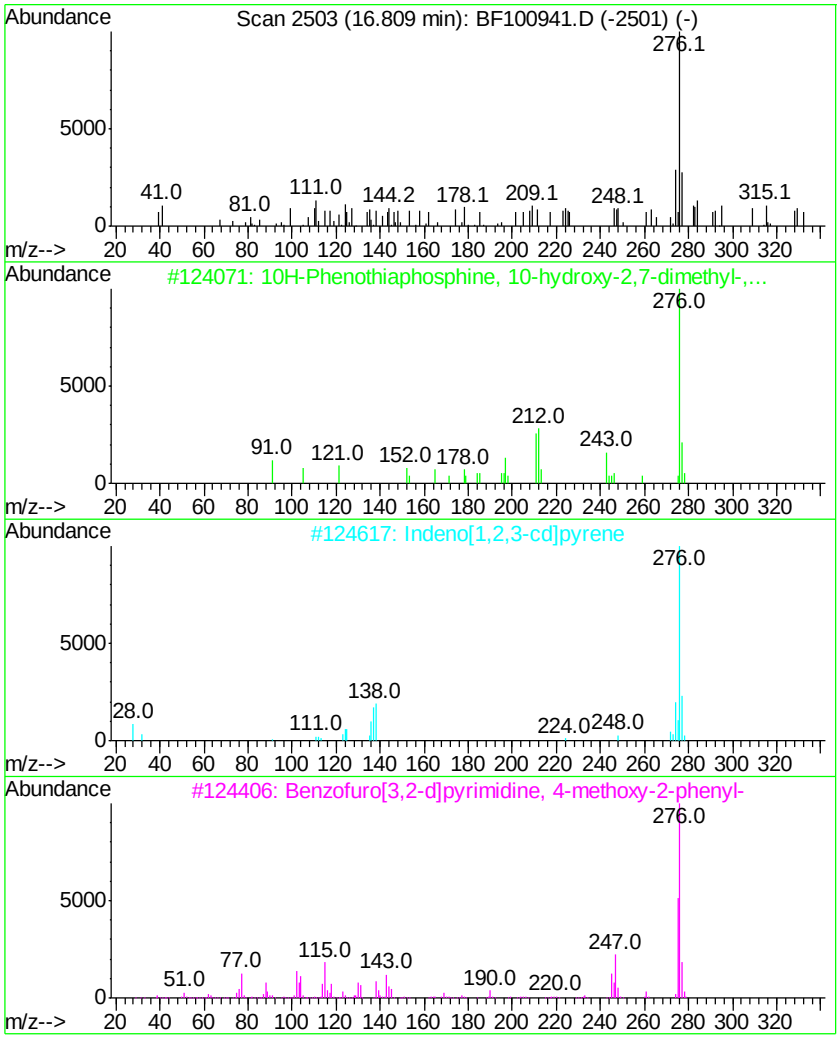
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

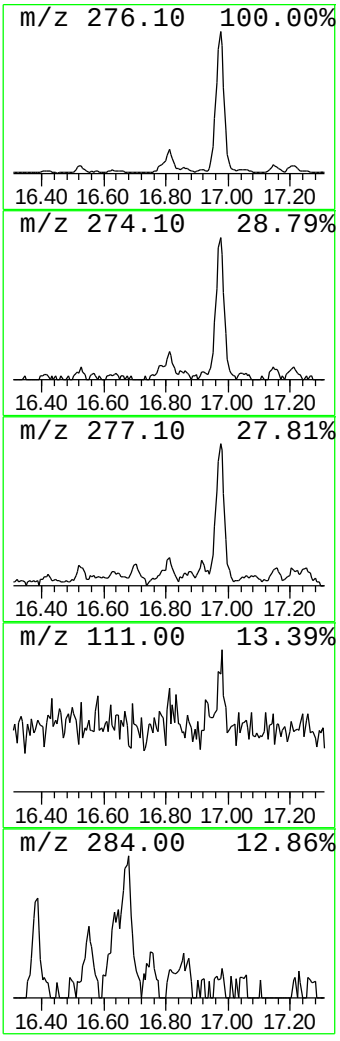
****

Peak Number 19 unknown16.81 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	3.85 ng	75255	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10H-Phenothiaphosphine, 10-hydro...	276	C14H13O2PS	054964-91-9	43
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	38
3	Benzofuro[3,2-d]pyrimidine, 4-me...	276	C17H12N2O2	312265-36-4	38
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	38
5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

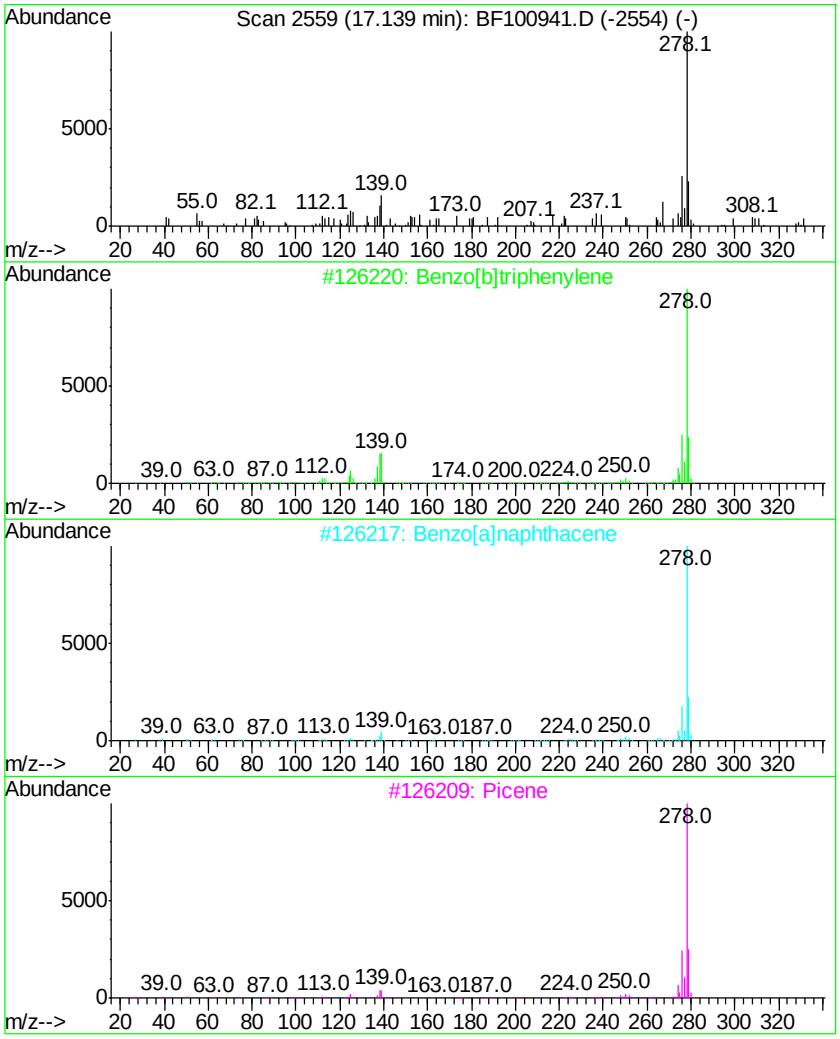
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

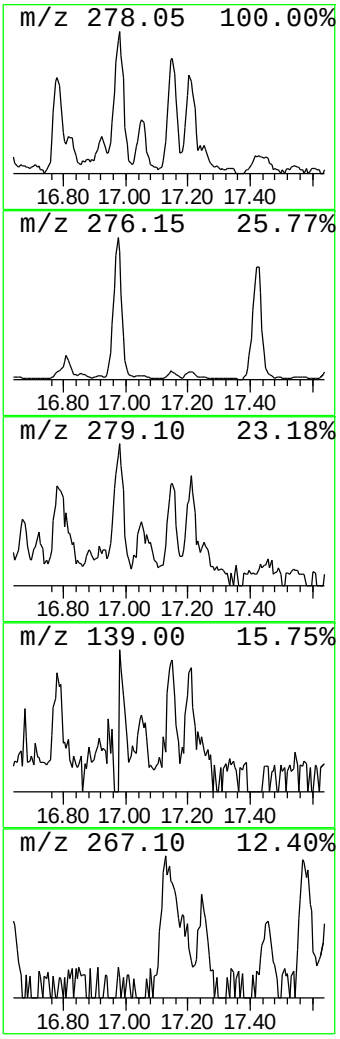
****

Peak Number 20 Benzo[b]triphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	3.76 ng	73582	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2	Benzo[a]naphthacene	278	C22H14	000226-88-0	81
3	Picene	278	C22H14	000213-46-7	81
4	Benzo[b]chrysene	278	C22H14	000214-17-5	72
5	Pentacene	278	C22H14	000135-48-8	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100941.D
Acq On : 28 Nov 2017 18:33
Operator : SJ/JU
Sample : I6610-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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
2-Pentanone, 4-hy...	5.09	4.8	ng	91361	1	6.86	379199	20.0
unknown6.63	6.63	73.8	ng	1400030	1	6.86	379199	20.0
Pentadecane	10.79	3.3	ng	58076	4	11.38	356466	20.0
9H-Fluoren-9-one	11.19	3.4	ng	59854	4	11.38	356466	20.0
Phenanthrene, 2-m...	11.88	8.2	ng	145738	4	11.38	356466	20.0
Phenanthrene, 1-m...	11.91	18.9	ng	337349	4	11.38	356466	20.0
4H-Cyclopenta[def...	11.99	12.2	ng	217272	4	11.38	356466	20.0
1H-Indene, 1-phenyl-	12.02	4.4	ng	78261	4	11.38	356466	20.0
Naphthalene, 2-ph...	12.18	4.3	ng	77218	4	11.38	356466	20.0
9,10-Anthracenedione	12.20	5.5	ng	98602	4	11.38	356466	20.0
Phenanthrene, 2,5...	12.43	8.7	ng	154818	4	11.38	356466	20.0
Phenanthrene, 3,6...	12.47	3.9	ng	68741	4	11.38	356466	20.0
Cyclopenta(def)ph...	12.52	6.0	ng	106305	4	11.38	356466	20.0
Octadecanoic acid	12.69	6.0	ng	107566	4	11.38	356466	20.0
11H-Benzo[a]fluor...	13.87	3.2	ng	206418	5	14.03	1282460	20.0
Benzo[e]pyrene	15.17	5.2	ng	102412	6	15.50	391100	20.0
unknown16.81	16.81	3.9	ng	75255	6	15.50	391100	20.0
Benzo[b]triphenylene	17.14	3.8	ng	73582	6	15.50	391100	20.0