LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-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	5.081	505	509	518	rBV	64658	86253	4.48%	0.297%
2	5.475	572	576	580	rBV	1297620	1261064	65.50%	4.346%
3	6.492	743	749	761	rBV	1211434	1310945	68.10%	4.518%
4	6.628	767	772	775	rBV	1501660	1306617	67.87%	4.503%
5	6.851	807	810	814	rBV	376533	315039	16.36%	1.086%
6	7.010	833	837	840	rBV	1216127	1000036	51.95%	3.446%
7	7.416	901	906	909	rBV	781972	750972	39.01%	2.588%
8	8.133	1025	1028	1030	rBV	475854	400722	20.82%	1.381%
9	8.157	1030	1032	1035	rVB	194245	137810	7.16%	0.475%
10	8.845	1146	1149	1153	rBV	191172	155274	8.07%	0.535%
11	8.945	1162	1166	1170	rVB	158314	127960	6.65%	0.441%
12	9.210	1206	1211	1214	rBV	1647143	1357901	70.53%	4.680%
13	9.480	1252	1257	1260	rBV2	78242	101316	5.26%	0.349%
14	9.545	1264	1268	1271	rBV	120113	122571	6.37%	0.422%
15	9.575	1271	1273	1275	rVV	77667	54386	2.83%	0.187%
16	9.604	1275	1278	1280	rVB	91413	74554	3.87%	0.257%
17	9.663	1285	1288	1290	rBV	65538	56224	2.92%	0.194%
18	9.751	1300	1303	1307	rVB	120388	93002	4.83%	0.321%
19	9.810	1310	1313	1317	rBV	59261	53608	2.78%	0.185%
20	9.892	1324	1327	1330	rVV	483839	389098	20.21%	1.341%
21	9.922	1330	1332	1335	rVB	324259	259304	13.47%	0.894%
22	10.045	1349	1353	1356	rVV2	38506	43057	2.24%	0.148%
23	10.092	1356	1361	1365	rVV2	176024	173999	9.04%	0.600%
24	10.310	1397	1398	1401	rVB	80856	58630	3.05%	0.202%
25	10.439	1416	1420	1424	rVB	349316	288627	14.99%	0.995%
26	10.592	1444	1446	1452	rVB	57373	57052	2.96%	0.197%
27	10.680	1457	1461	1465	rVB	839832	735686	38.21%	2.535%
28	10.786	1476	1479	1481	rBV	52383	51187	2.66%	0.176%
29	10.986	1507	1513	1516	rBV2	69925	89816	4.67%	0.310%
30	11.133	1536	1538	1543	rVV3	34036	43520	2.26%	0.150%
31	11.233	1550	1555	1559	rVV4	50320	63878	3.32%	0.220%
32	11.274	1559	1562	1567	rVB	117893	101656	5.28%	0.350%
33	11.380	1577	1580	1582	rBV	378706	375579	19.51%	1.294%
34	11.410	1582	1585	1588	rVV	1782282	1555437	80.80%	5.360%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-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	11.457	1588	1593	1596	rVV	569653	461737	23.98%	1.591%
36	11.610	1612	1619	1622	rBV2	154576	151481	7.87%	0.522%
37	11.710	1633	1636	1640	rVB3	44868	45090	2.34%	0.155%
38	11.880	1660	1665	1667	rBV	225257	214855	11.16%	0.740%
39	11.910	1667	1670	1673	rVV	330750	336553	17.48%	1.160%
40	11.957	1673	1678	1681	rVV	125184	105819	5.50%	0.365%
41	11.998	1681	1685	1687	rVV2	350319	403493	20.96%	1.391%
42	12.016	1687	1688	1692	rVB	165826	94564	4.91%	0.326%
43	12.174	1712	1715	1718	rBV	157058	122105	6.34%	0.421%
44	12.204	1718	1720	1726	rVB	77613	64001	3.32%	0.221%
45	12.427	1755	1758	1761	rBV	100627	111132	5.77%	0.383%
46	12.469	1761	1765	1767	rVV2	63103	85133	4.42%	0.293%
47	12.521	1771	1774	1779	rVB2	63952	79373	4.12%	0.274%
48	12.604	1783	1788	1791	rBV	1907011	1792255	93.10%	6.177%
49	12.657	1795	1797	1799	rVV	56740	47314	2.46%	0.163%
50	12.686	1799	1802	1805	rVV2	65347	67931	3.53%	0.234%
51	12.745	1805	1812	1815	rVV3	73971	123662	6.42%	0.426%
52	12.833	1820	1827	1831	rVV2	1565684	1925158	100.00%	6.635%
53	12.874	1831	1834	1839	rVB2	86176	100768	5.23%	0.347%
54	12.963	1846	1849	1852	rVV	1036919	908828	47.21%	3.132%
55	12.986	1852	1853	1856	rVB	102533	52608	2.73%	0.181%
56	13.039	1857	1862	1866	rBV2	111111	187156	9.72%	0.645%
57	13.127	1873	1877	1879	rBV3	85870	113660	5.90%	0.392%
58	13.151	1879	1881	1884	rVB	280132	261703	13.59%	0.902%
59	13.221	1889	1893	1895	rBV	267197	249542	12.96%	0.860%
60	13.257	1895	1899	1901	rBV2	155853	163254	8.48%	0.563%
61	13.280	1901	1903	1906	rVB	63462	56054	2.91%	0.193%
62	13.351	1911	1915	1917	rBV	76144	68363	3.55%	0.236%
63	13.380	1917	1920	1923	rBV2	89759	83287	4.33%	0.287%
64	13.433	1926	1929	1932	rBV3	46672	45774	2.38%	0.158%
65	13.633	1960	1963	1965	rBV3	49273	53241	2.77%	0.183%
66	13.663	1965	1968	1972	rVB	83778	92557	4.81%	0.319%
67	13.774	1982	1987	1989	rBV2	133367	160922	8.36%	0.555%
68	13.798	1989	1991	1993	rVB	120988	82659	4.29%	0.285%
69	13.827	1993	1996	1997	rBV	81986	76959	4.00%	0.265%
70	13.868	2002	2003	2007	rVV	97521	64199	3.33%	0.221%
71	13.939	2011	2015	2017	rBV	37666	43256	2.25%	0.149%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-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	13.992	2018	2024	2025	rVV2	91460	145478	7.56%	0.501%
73	14.021	2025	2029	2032	rVV2	923535	1333559	69.27%	4.596%
74	14.051	2032	2034	2041	rVV	712721	726379	37.73%	2.503%
75	14.133	2045	2048	2052	rVV	229506	225693	11.72%	0.778%
76	14.168	2052	2054	2058	rVV3	63113	90978	4.73%	0.314%
77	14.215	2059	2062	2064	rVV	81199	82012	4.26%	0.283%
78	14.251	2064	2068	2071	rVV2	84649	122870	6.38%	0.423%
79	14.410	2091	2095	2097	rVV	133619	130871	6.80%	0.451%
80	14.439	2097	2100	2104	rVB2	62344	57894	3.01%	0.200%
81	14.504	2104	2111	2114	rBV3	82215	142405	7.40%	0.491%
82	14.533	2114	2116	2118	rVV	97547	91091	4.73%	0.314%
83	14.557	2118	2120	2124	rVV2	117769	111887	5.81%	0.386%
84	14.604	2124	2128	2134	rVB3	63310	99723	5.18%	0.344%
85	14.721	2145	2148	2150	rBV2	51209	47448	2.46%	0.164%
86	14.904	2176	2179	2182	rBV2	41771	45958	2.39%	0.158%
87	15.068	2202	2207	2210	rBV	493217	784633	40.76%	2.704%
88	15.174	2222	2225	2229	rVB	117423	117743	6.12%	0.406%
89	15.262	2236	2240	2242	rBV3	36868	54805	2.85%	0.189%
90	15.374	2254	2259	2265	rVB	289685	401837	20.87%	1.385%
91	15.439	2265	2270	2275	rBV	485679	562302	29.21%	1.938%
92	15.498	2275	2280	2283	rVV	217474	294197	15.28%	1.014%
93	15.527	2283	2285	2292	rVB	144845	196143	10.19%	0.676%
94	16.062	2372	2376	2381	rVB	40349	55967	2.91%	0.193%
95	16.780	2494	2498	2502	rBV3	22294	44837	2.33%	0.155%
96	16.980	2526	2532	2538	rVB	198316	359980	18.70%	1.241%
97	17.156	2557	2562	2567	rVB2	36988	66405	3.45%	0.229%
98	17.209	2567	2571	2576	rBV4	30517	58840	3.06%	0.203%
99	17.433	2602	2609	2618	rBV	139074	316849	16.46%	1.092%
100	17.668	2643	2649	2655	rBV	47386	99099	5.15%	0.342%

Sum of corrected areas: 29017109

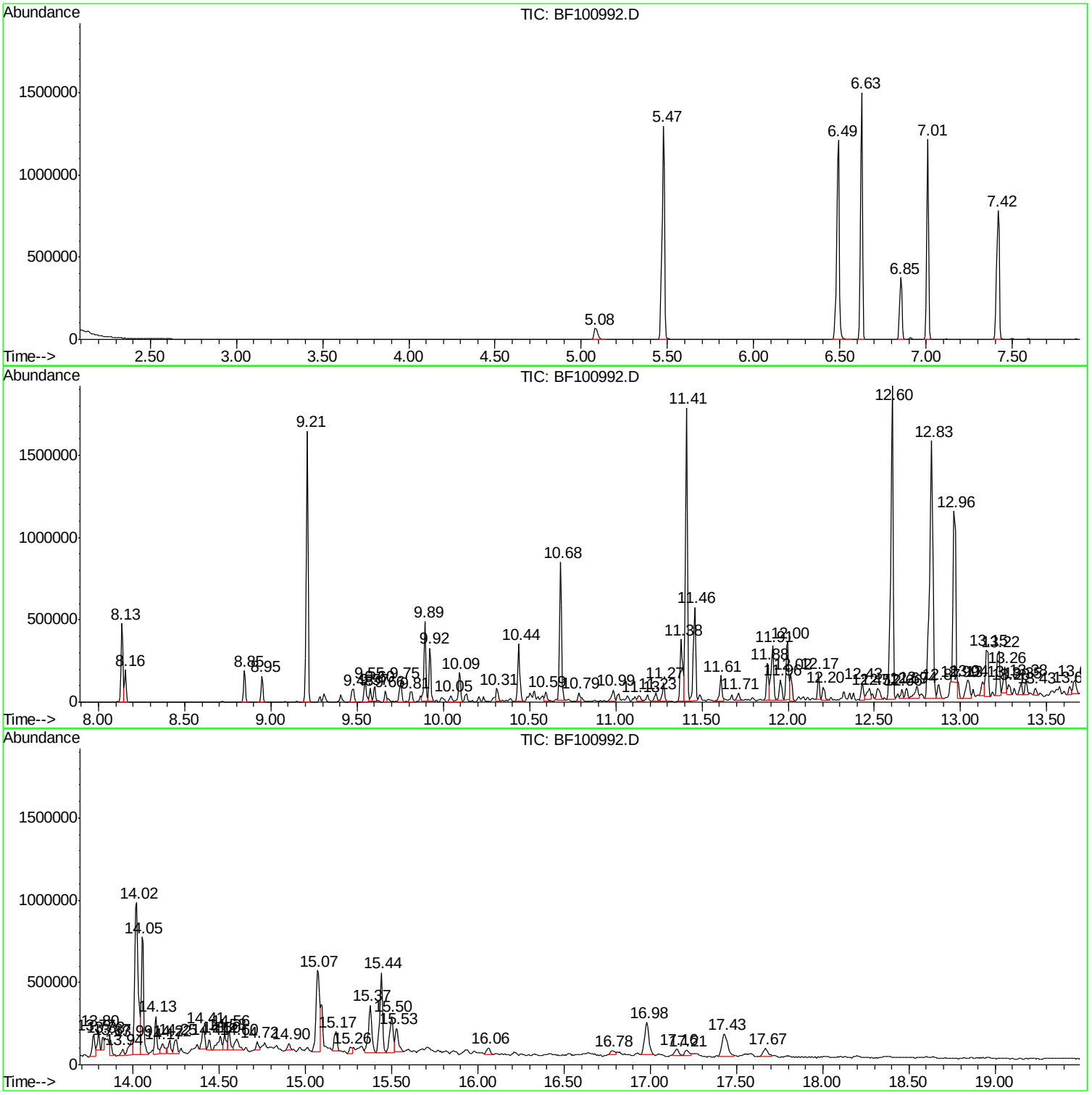
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-10(8-10)-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\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-20171127

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

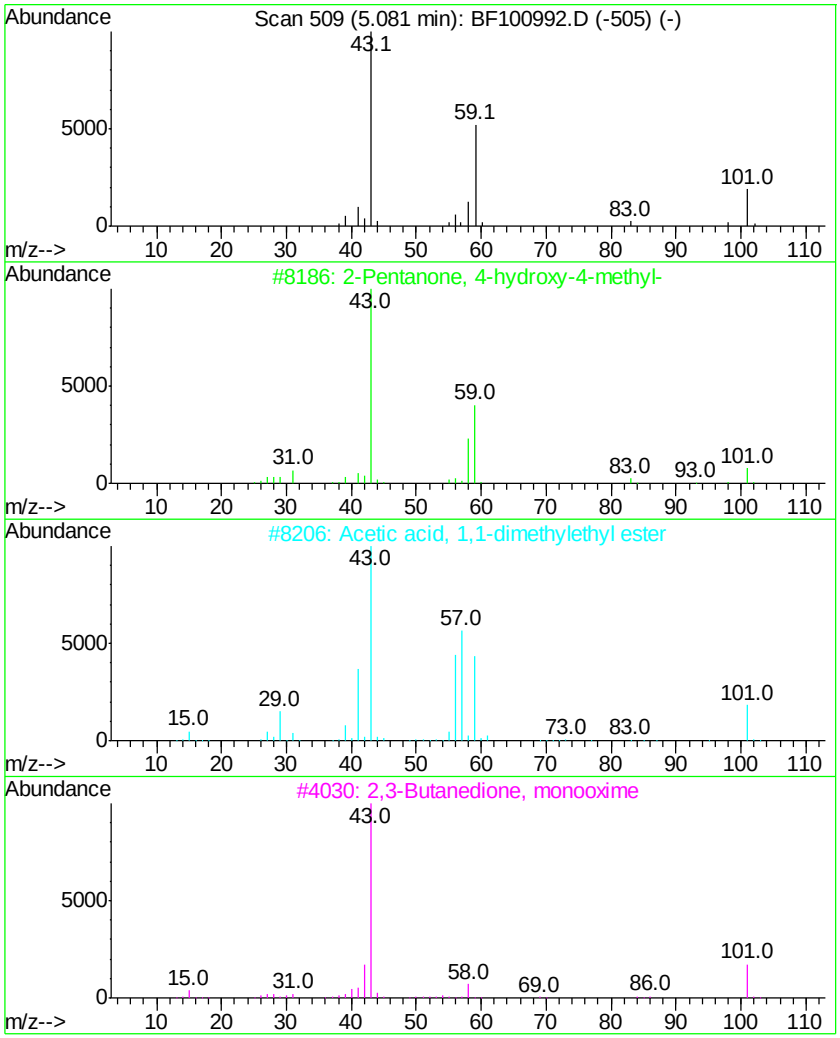
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

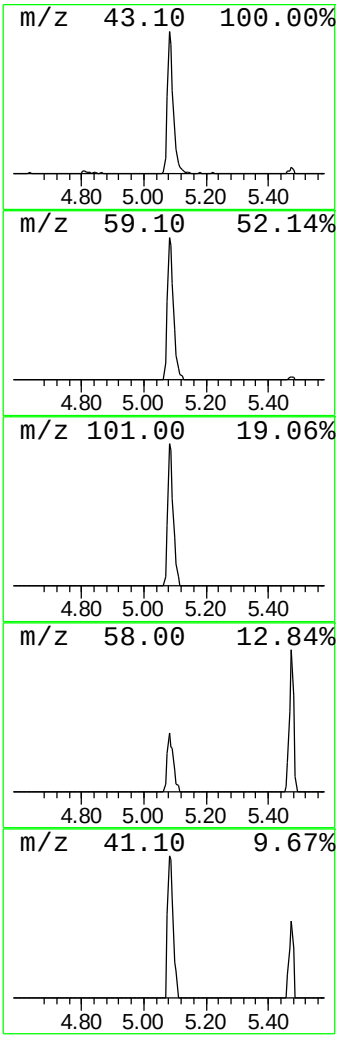
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	5.48 ng	86253	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-20171127

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

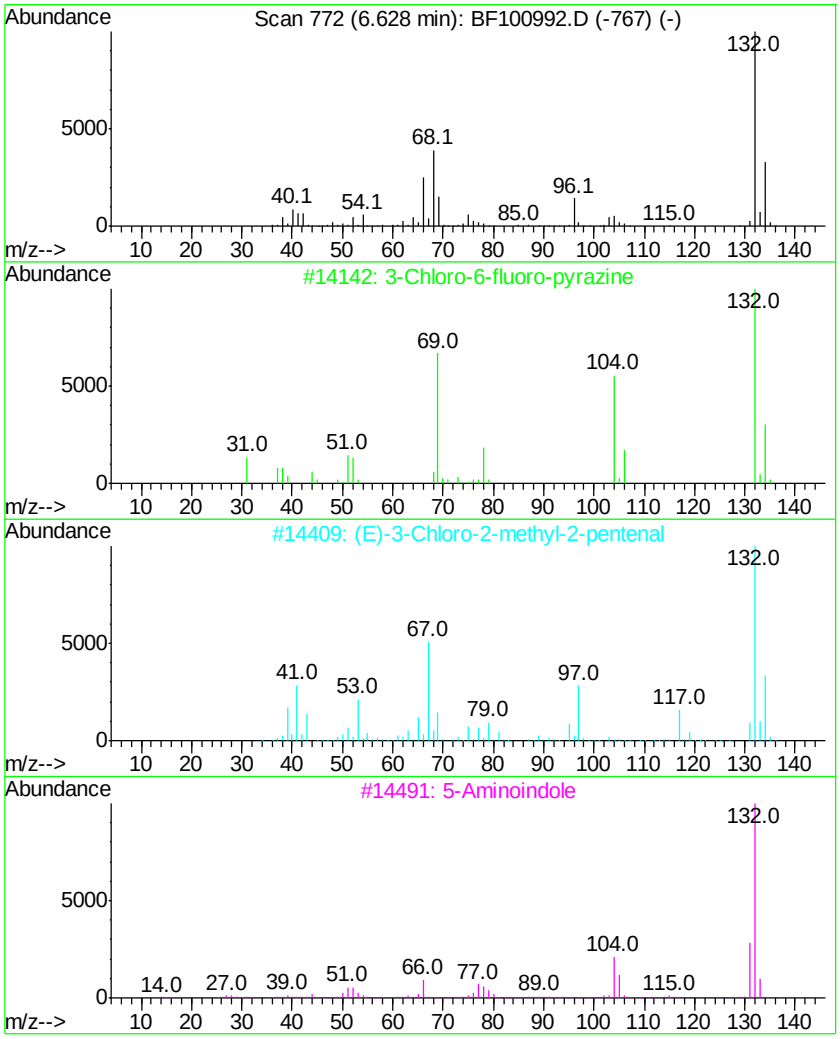
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

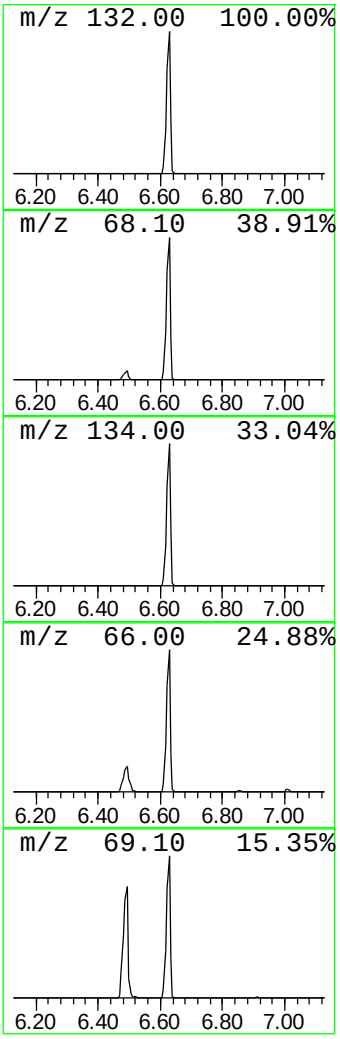
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	82.95 ng	1306620	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-20171127

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

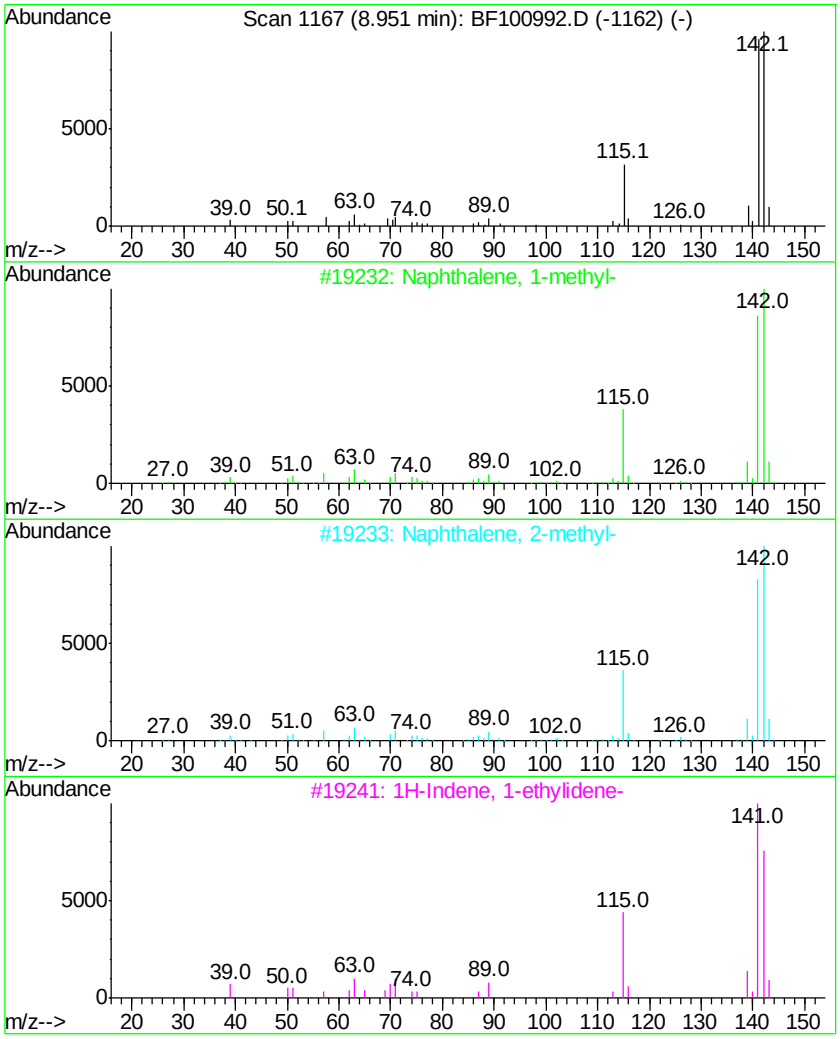
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

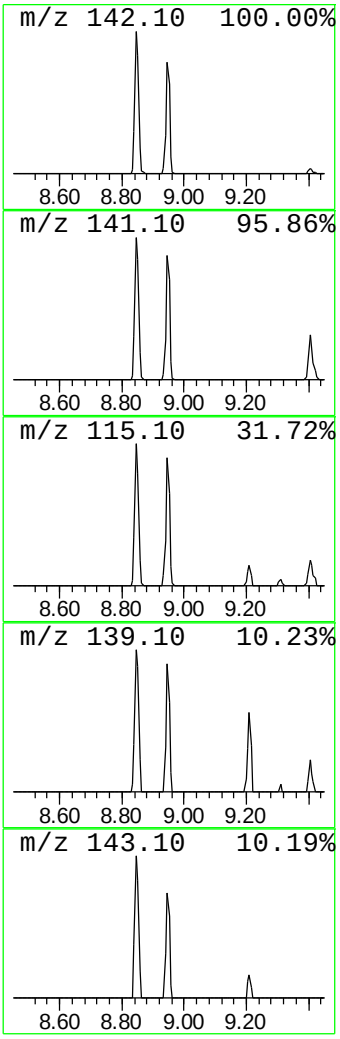
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	6.39 ng	127960	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-20171127

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

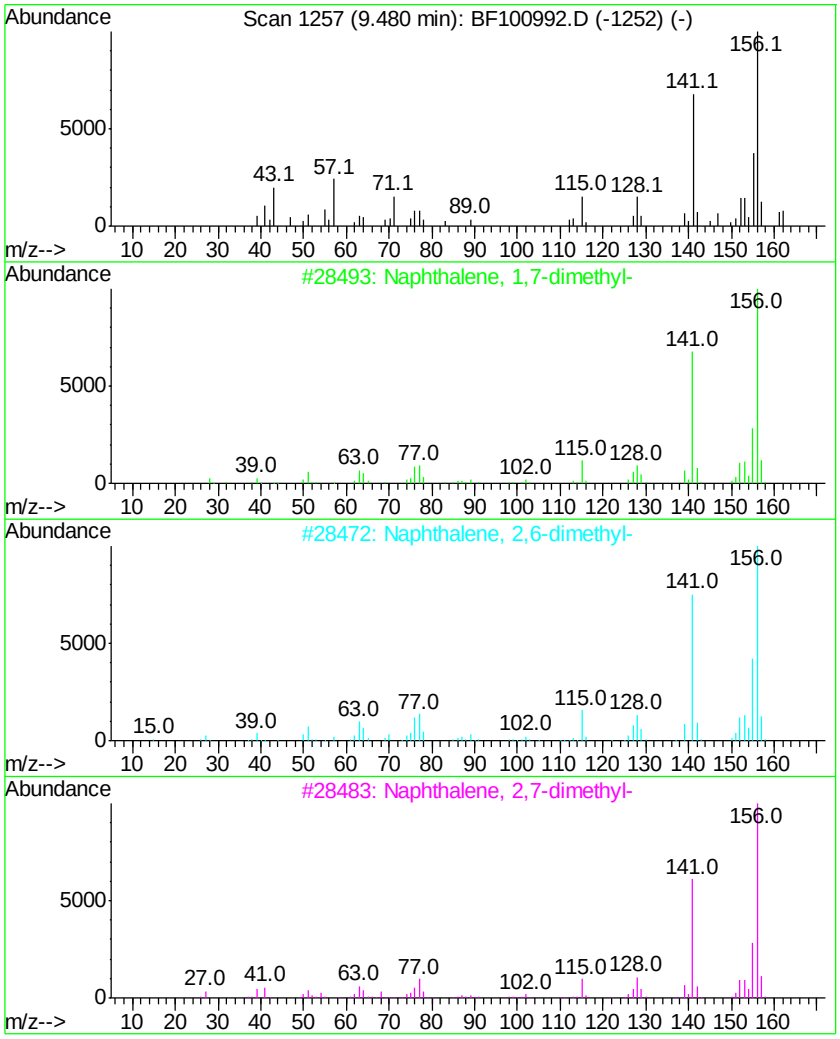
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

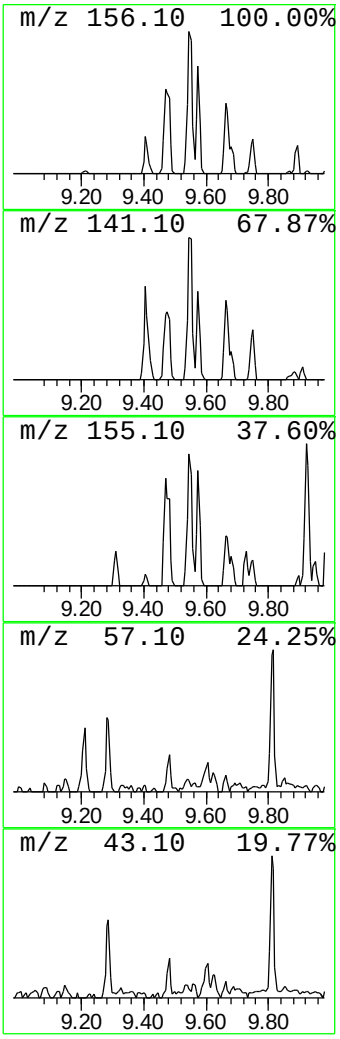
****

Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	5.21 ng	101316	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-20171127

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

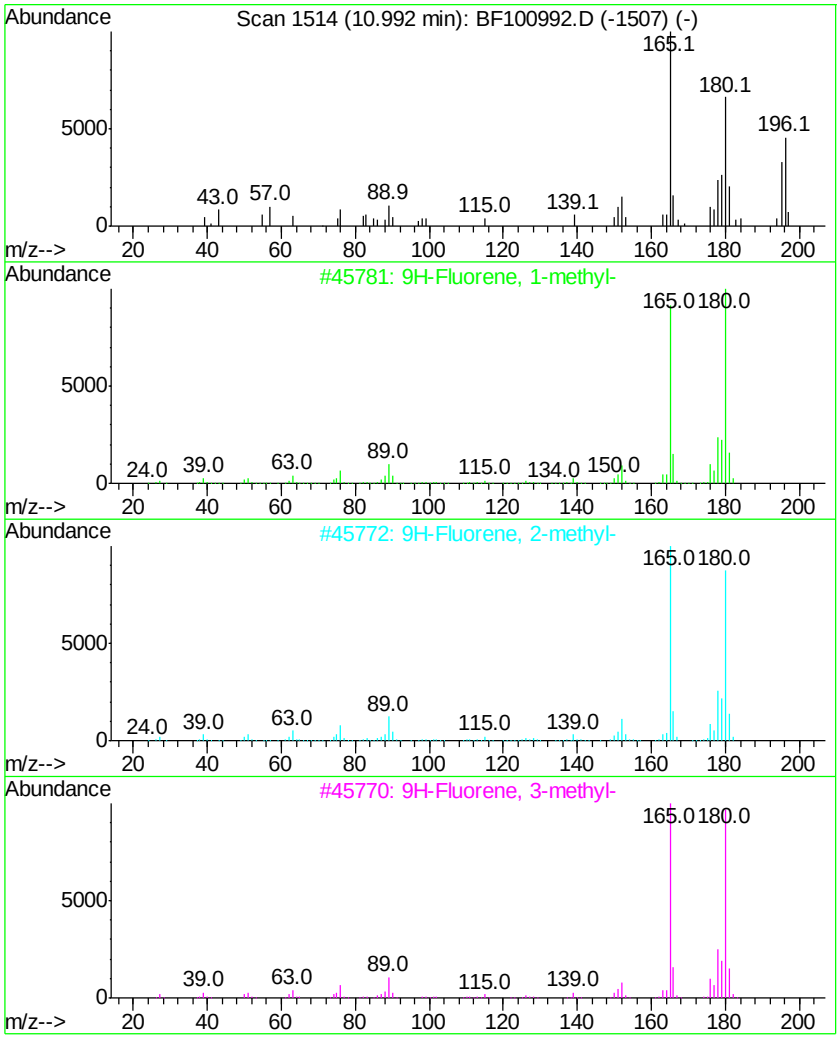
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

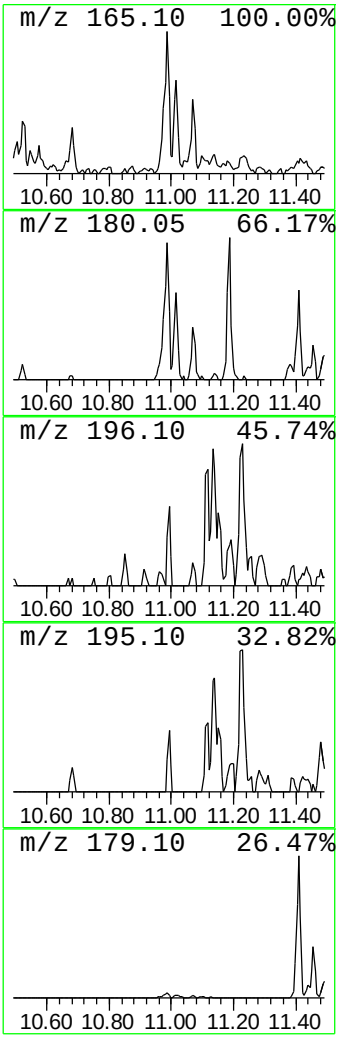
****

Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	4.78 ng	89816	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	98
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-20171127

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

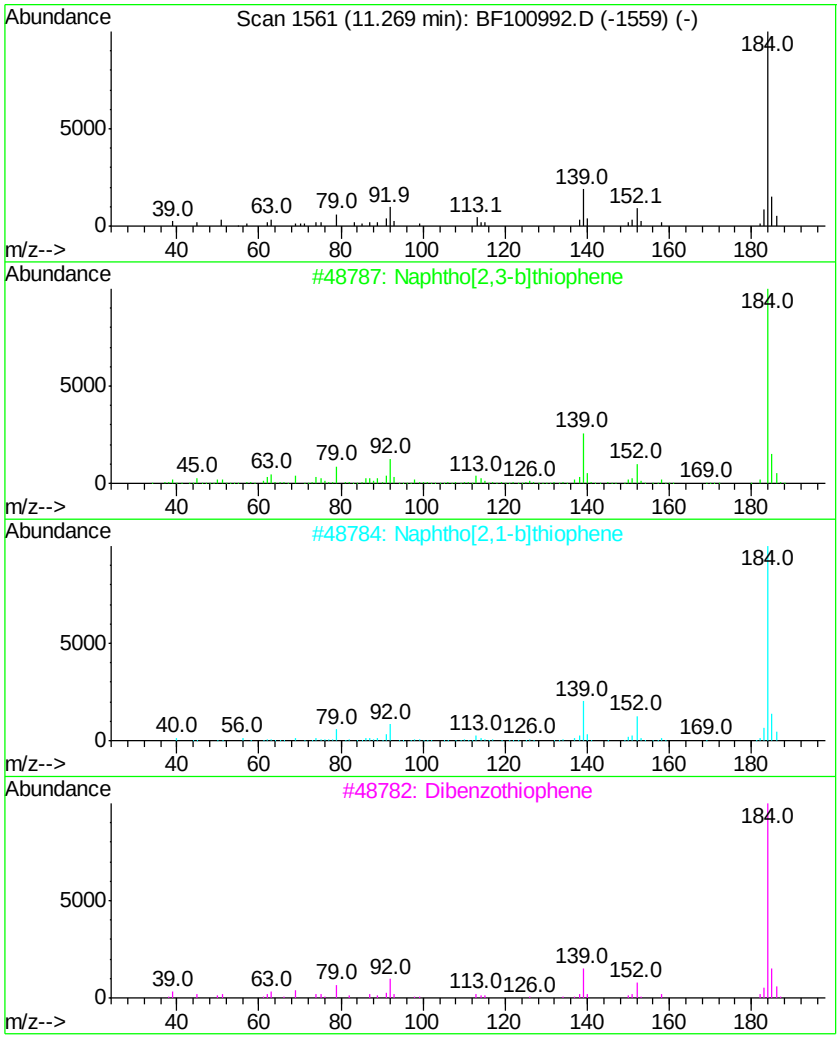
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

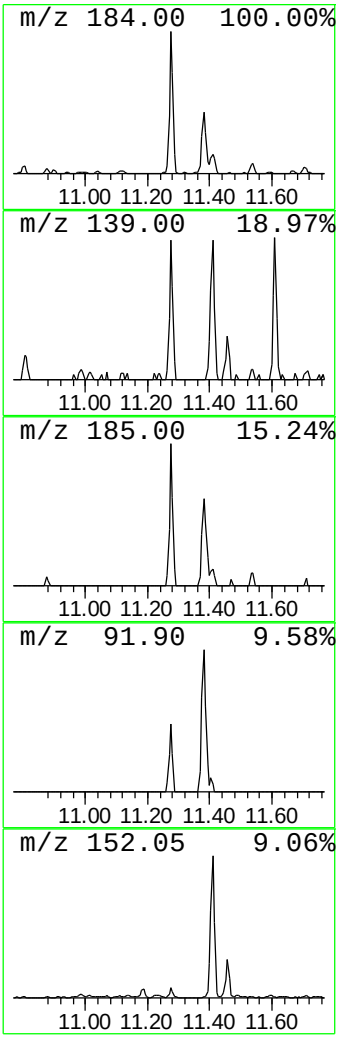
****

Peak Number 8 Naphtho[2,3-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	5.41 ng	101656	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-20171127

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

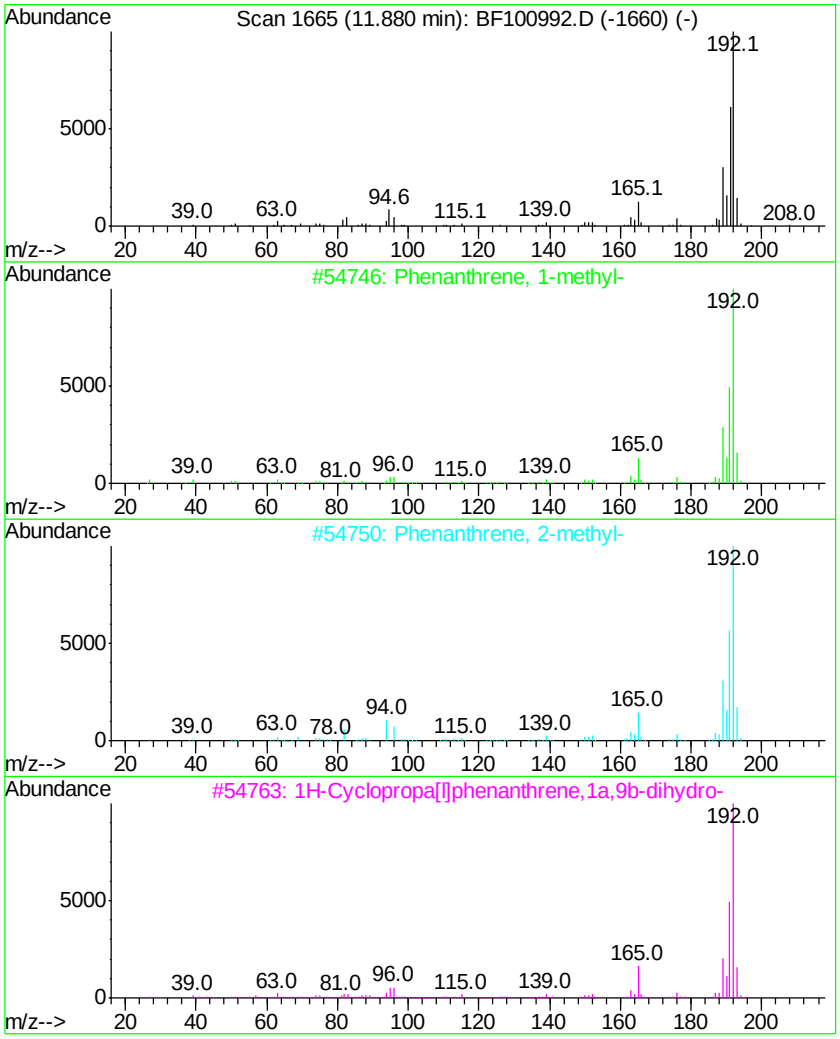
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

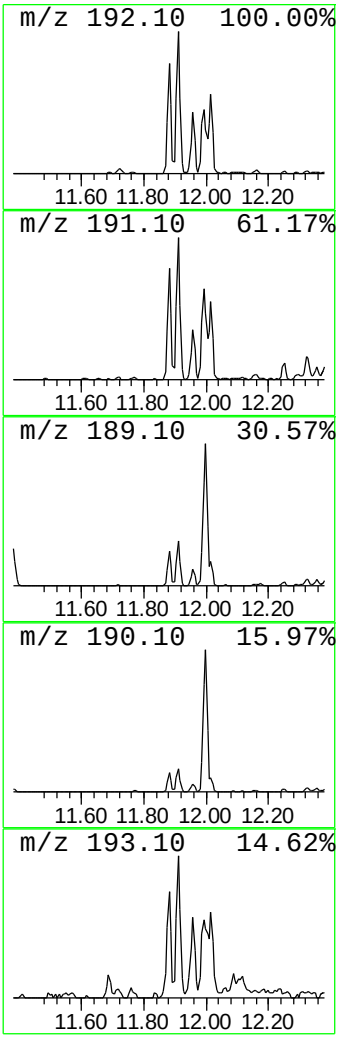
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	11.44 ng	214855	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-20171127

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

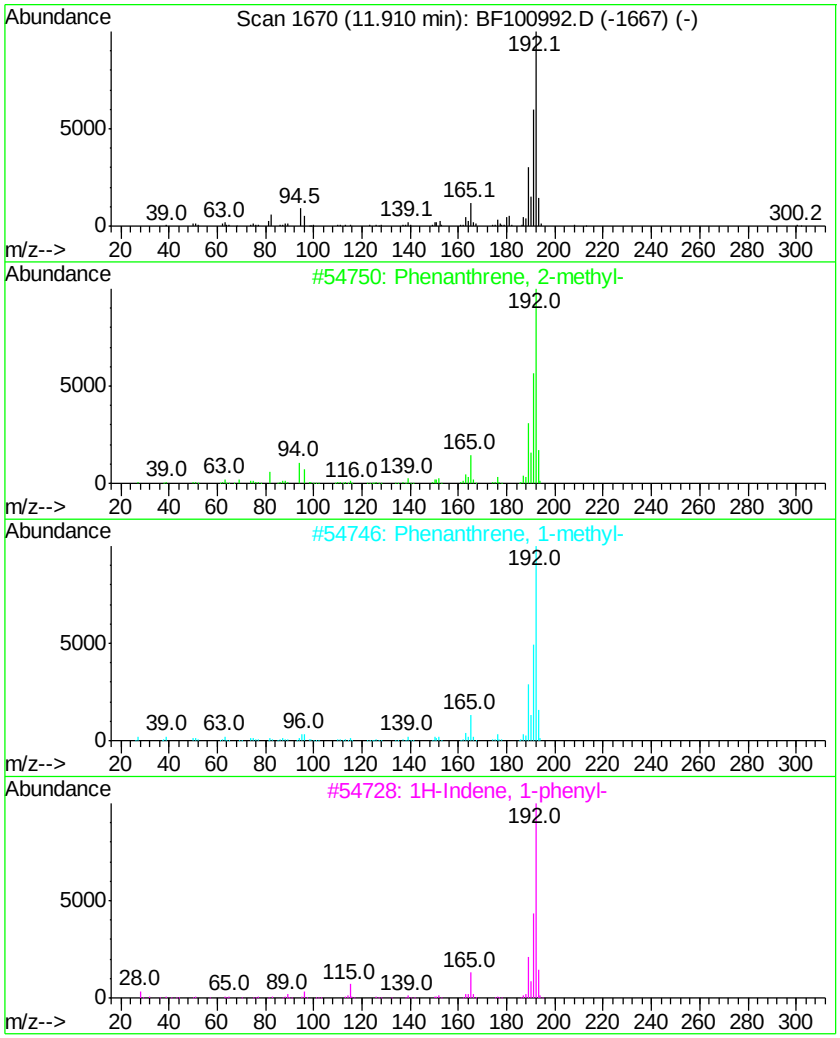
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

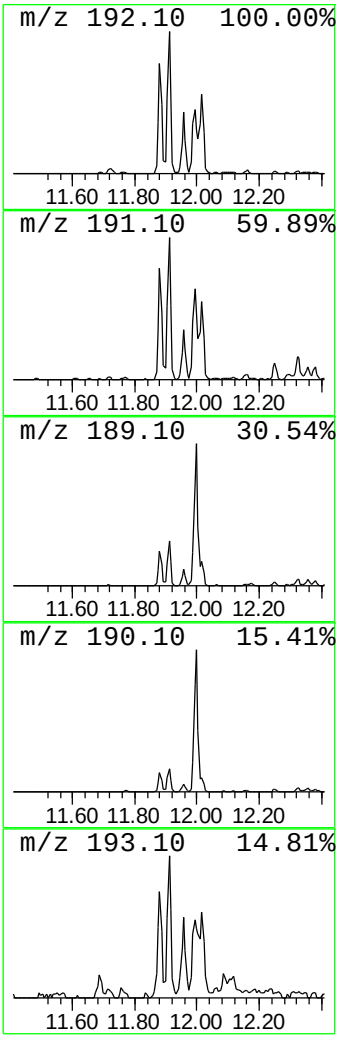
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	17.92 ng	336553	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-20171127

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

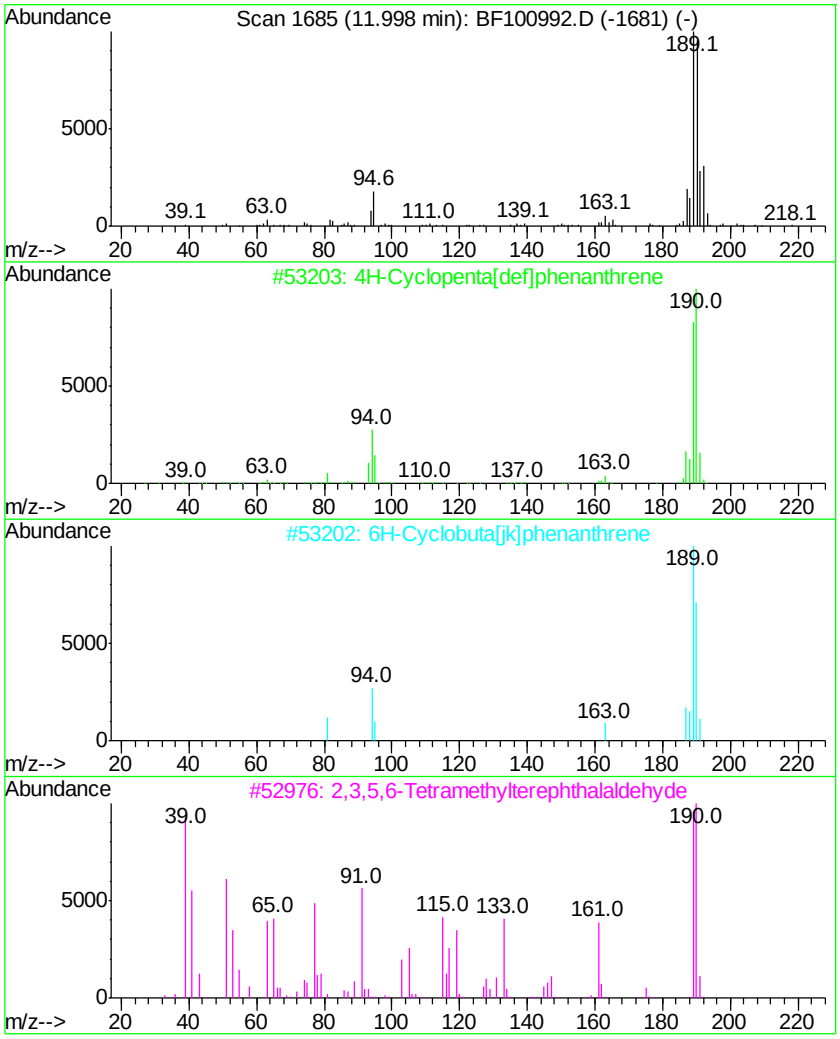
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

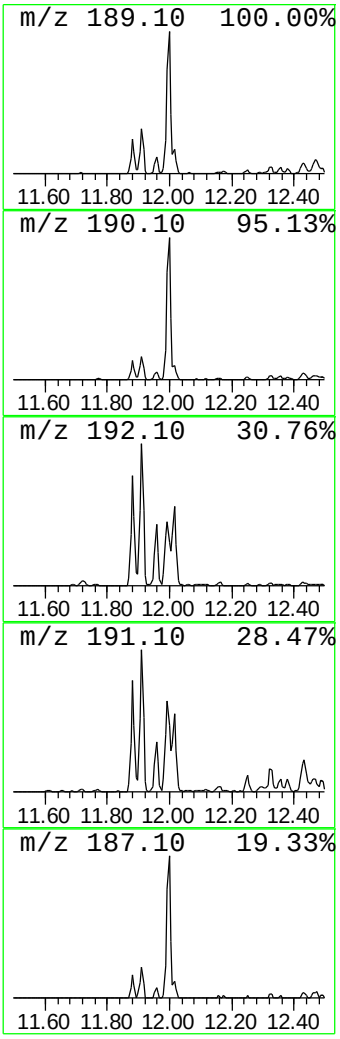
****

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	21.49 ng	403493	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-20171127

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

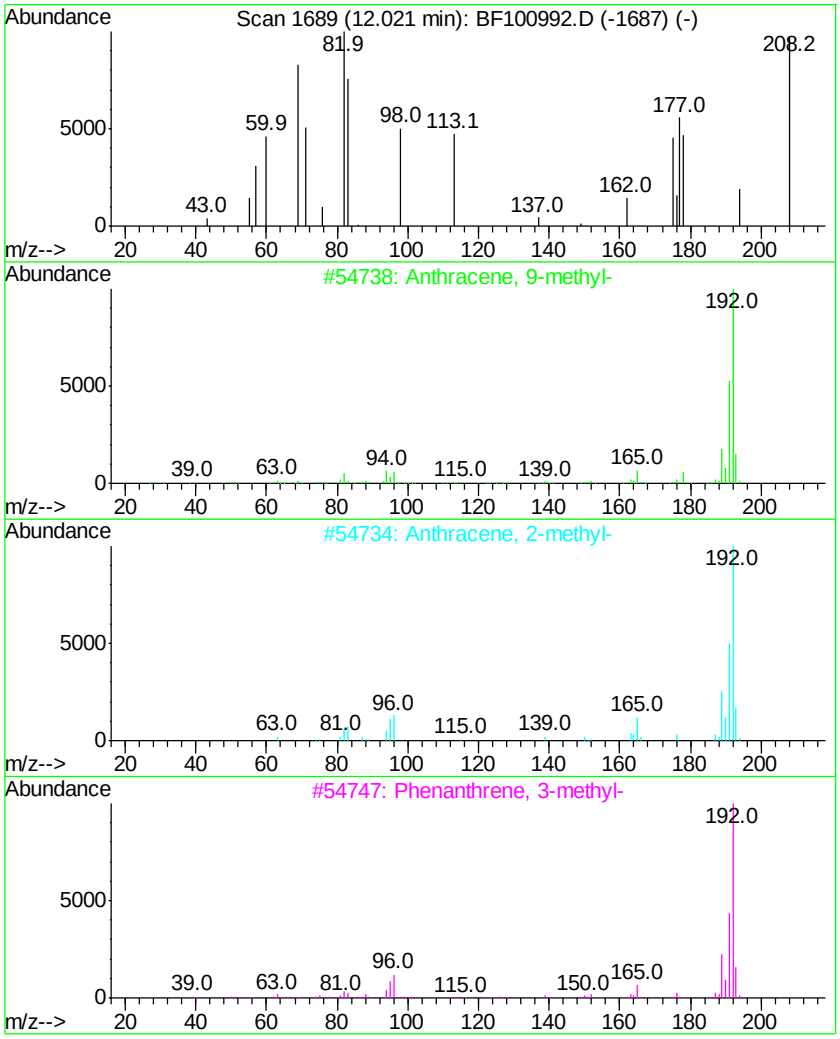
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

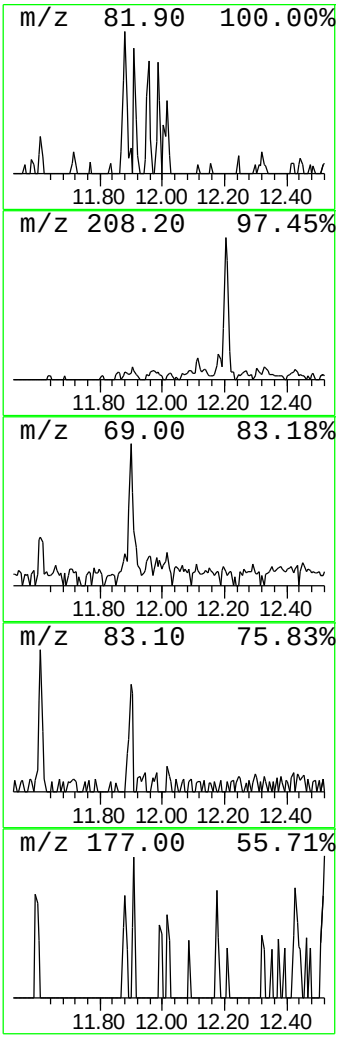
****

Peak Number 13 Anthracene, 9-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	5.04 ng	94564	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-20171127

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

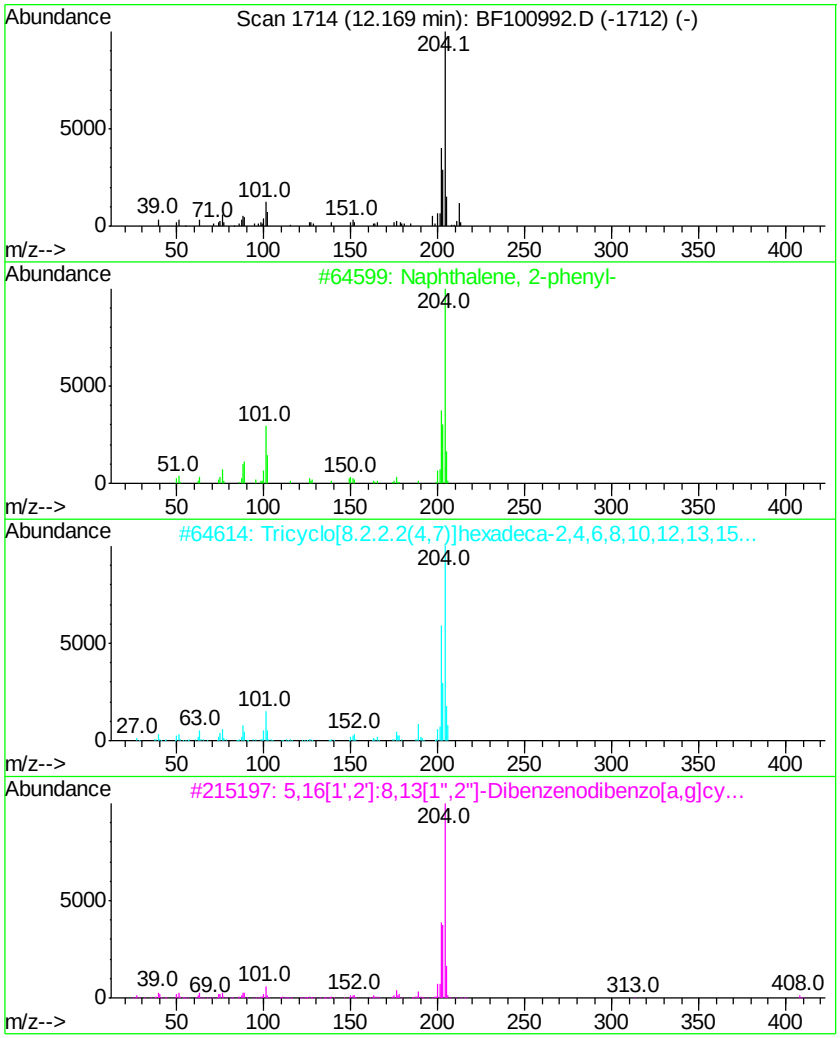
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

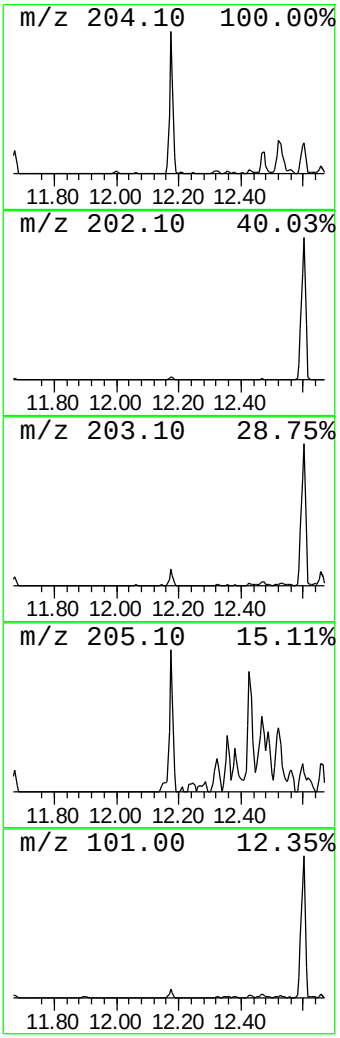
****

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	6.50 ng	122105	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	52





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-20171127

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

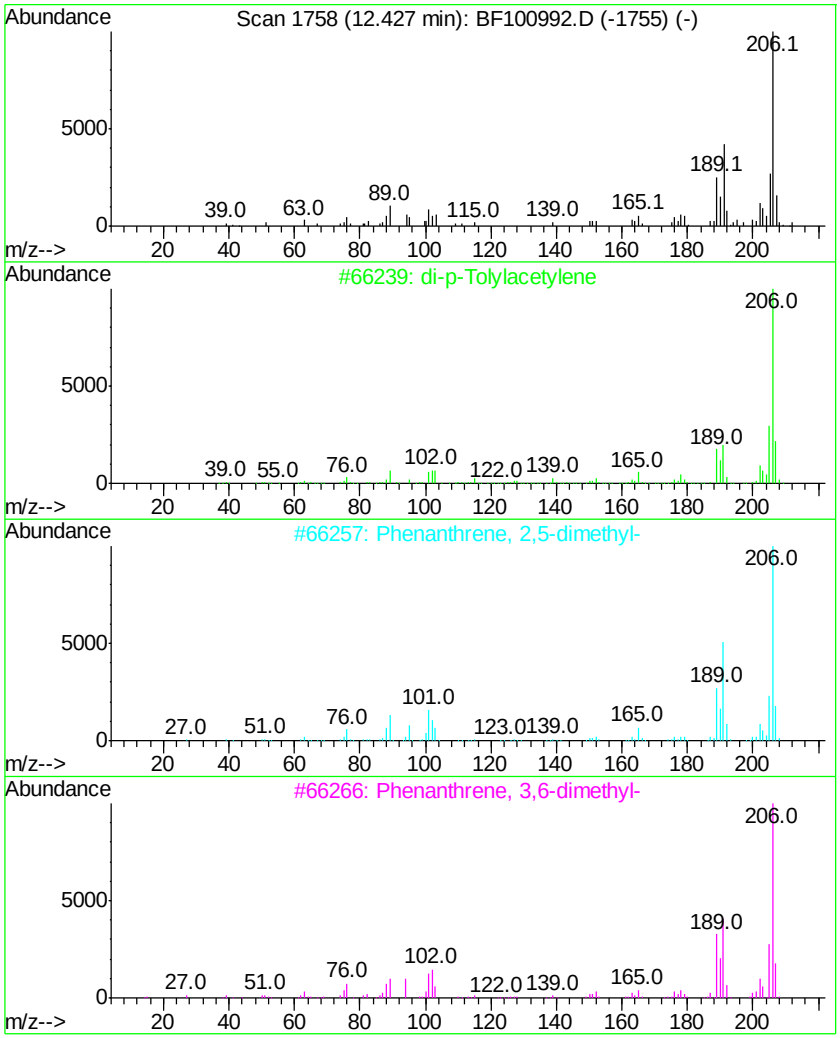
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

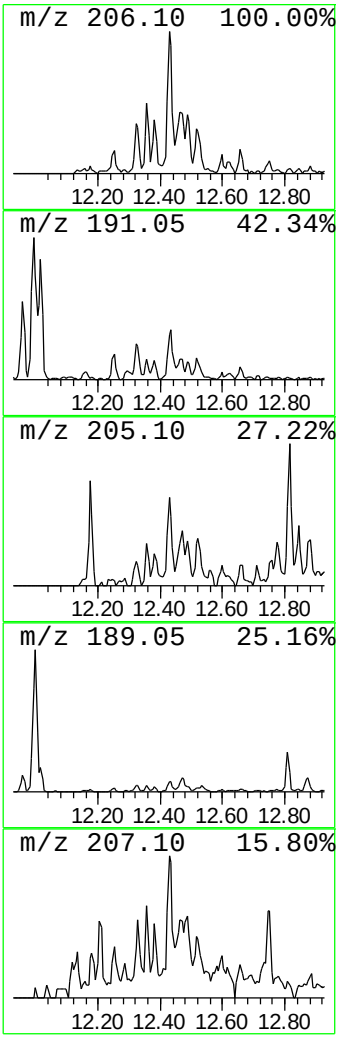
****

Peak Number 15 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	5.92 ng	111132	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-20171127

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

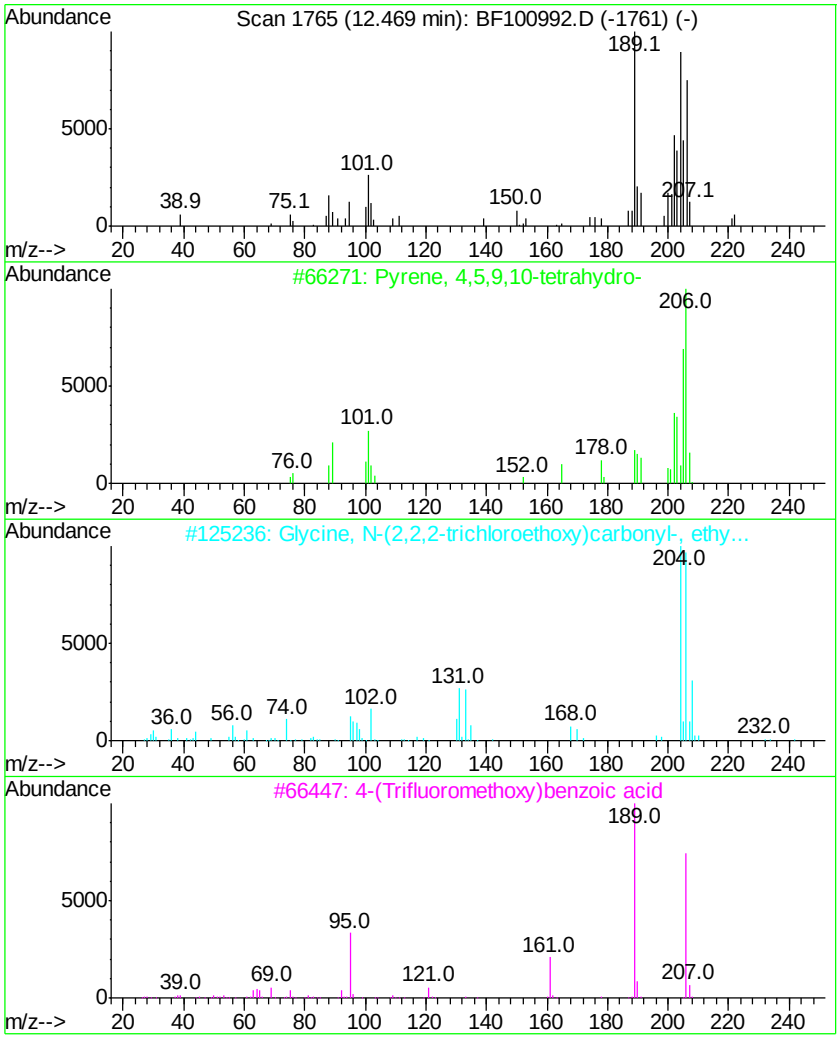
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

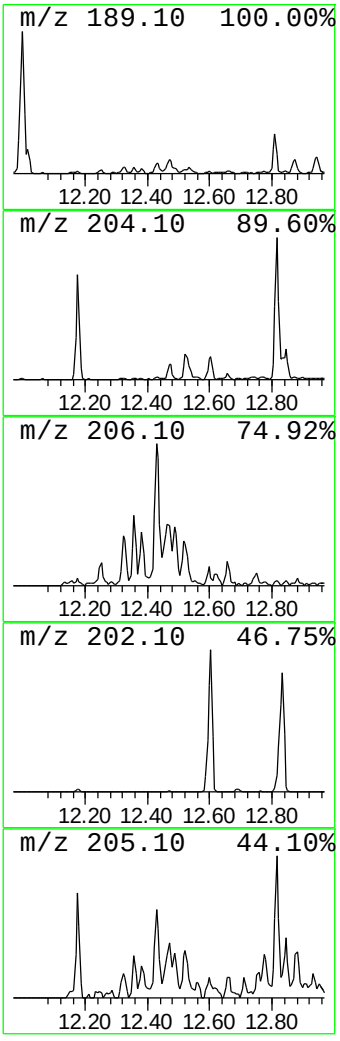
****

Peak Number 16 unknown12.47 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	4.53 ng	85133	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	41
2	Glycine, N-(2,2,2-trichloroethox...	277	C7H10Cl3NO4	1000313-51-2	27
3	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	27
4	Imidazole, 4,5-dichloro-2-triflu...	204	C4HCl2F3N2	064736-49-8	27
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-20171127

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

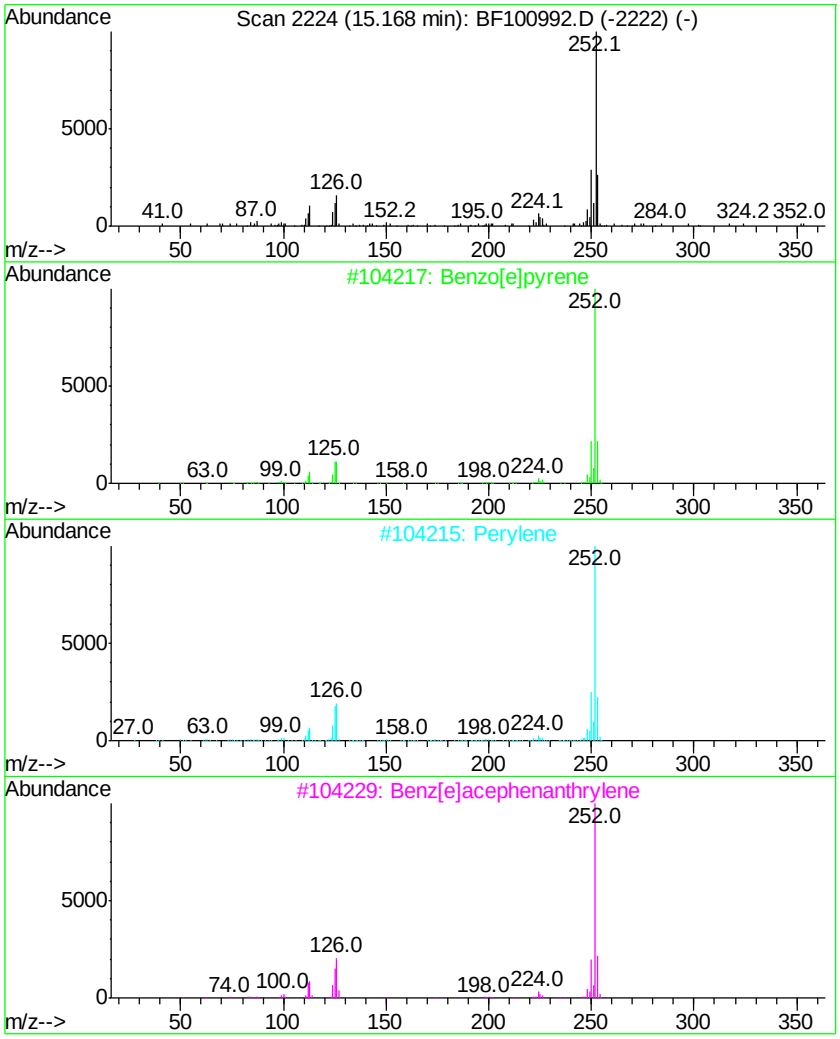
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

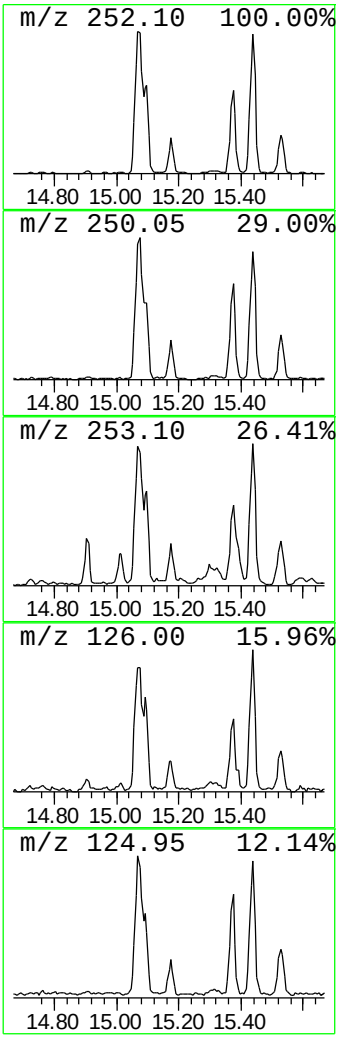
****

Peak Number 17 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	8.00 ng	117743	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-20171127

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

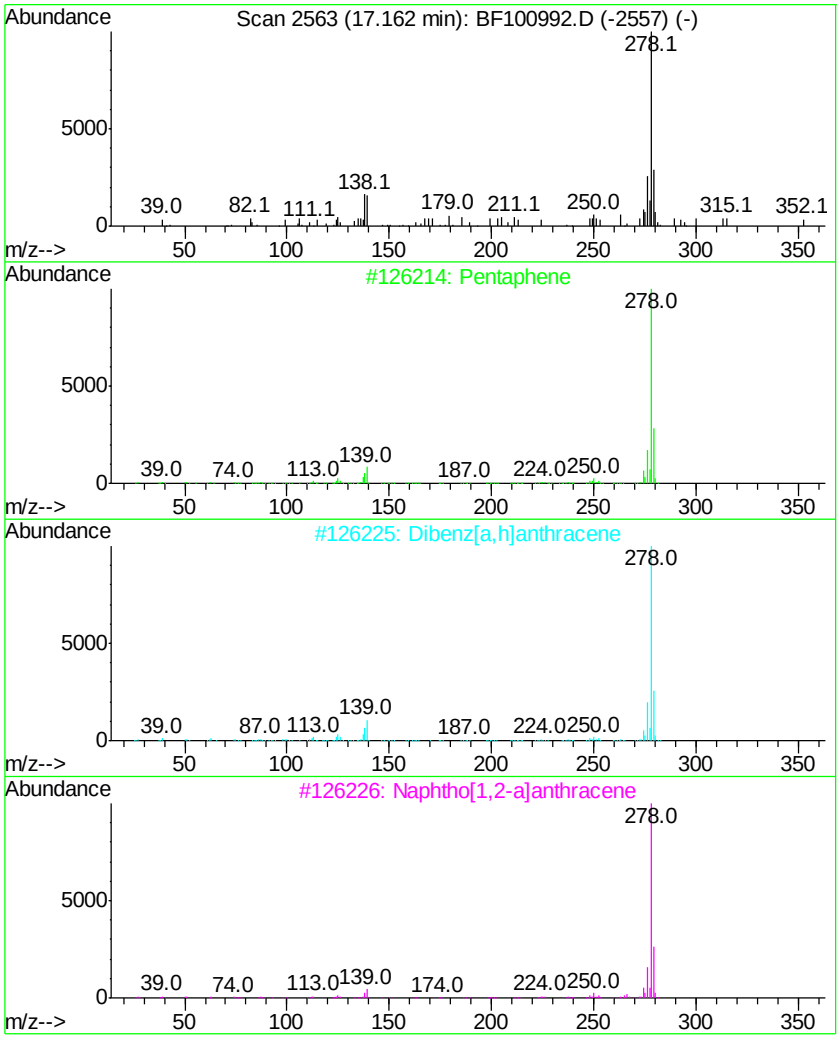
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

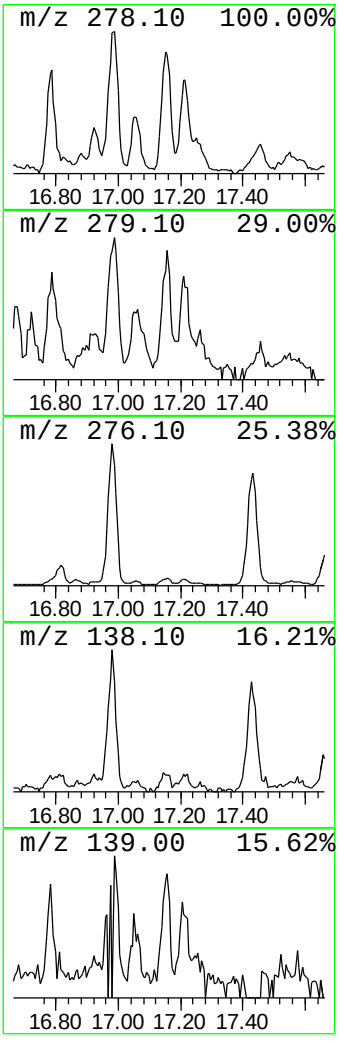
****

Peak Number 19 Pentaphene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	4.51 ng	66405	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaphene	278	C22H14	000222-93-5	89
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	76
3	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	76
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	76
5	Picene	278	C22H14	000213-46-7	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-20171127

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

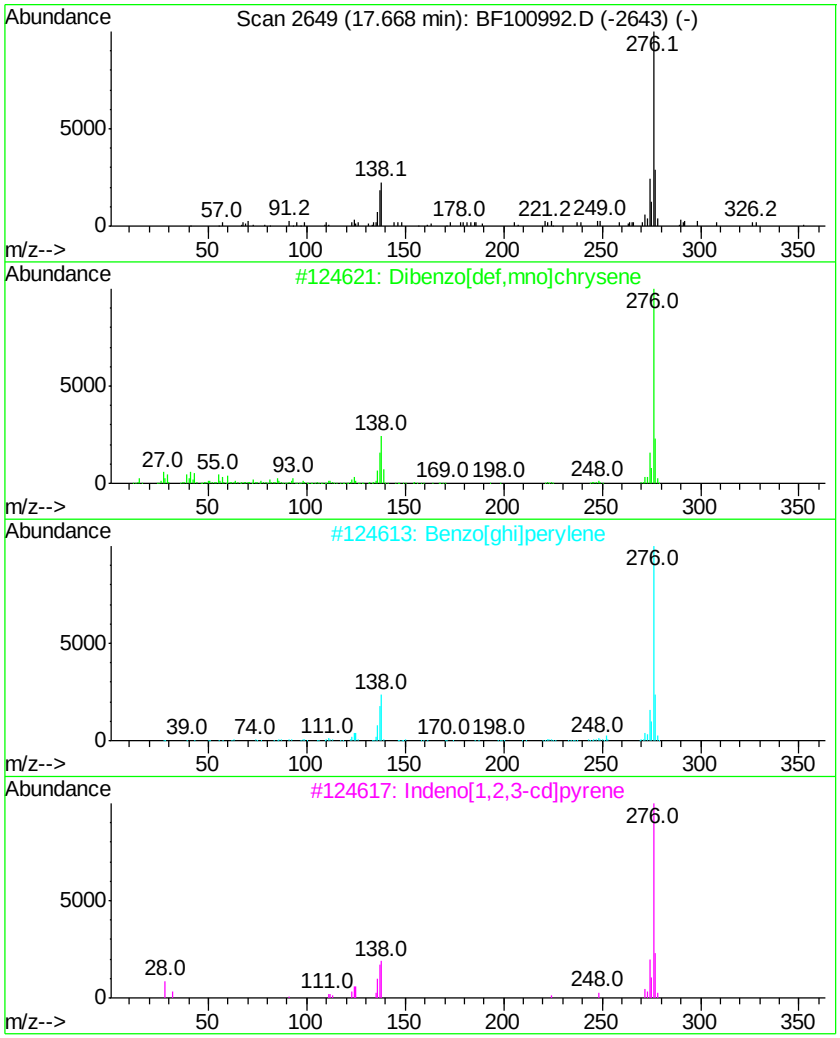
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

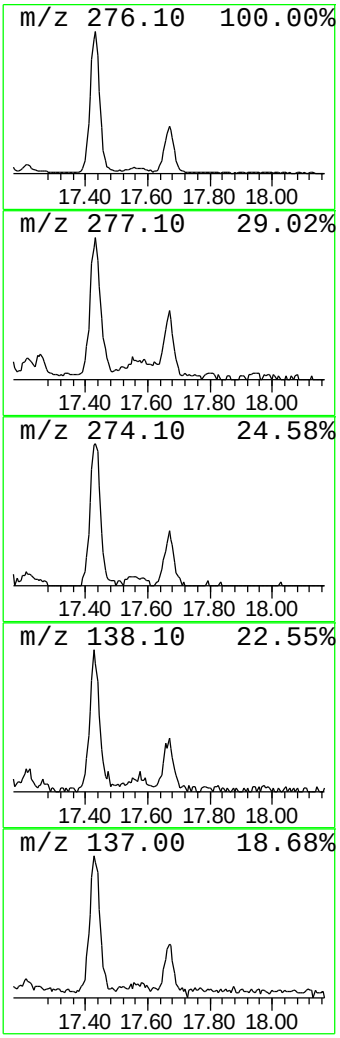
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	6.74 ng	99099	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	91
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	72
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100992.D
Acq On : 29 Nov 2017 21:38
Operator : SJ/JU
Sample : I6610-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(8-10)-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...	5.08	5.5	ng	86253	1	6.85	315039	20.0
unknown6.63	6.63	83.0	ng	1306620	1	6.85	315039	20.0
Naphthalene, 1-me...	8.95	6.4	ng	127960	2	8.13	400722	20.0
Naphthalene, 1,7-...	9.48	5.2	ng	101316	3	9.89	389098	20.0
9H-Fluorene, 1-me...	10.99	4.8	ng	89816	4	11.38	375579	20.0
Naphtho[2,3-b]thi...	11.27	5.4	ng	101656	4	11.38	375579	20.0
Phenanthrene, 1-m...	11.88	11.4	ng	214855	4	11.38	375579	20.0
Phenanthrene, 2-m...	11.91	17.9	ng	336553	4	11.38	375579	20.0
4H-Cyclopenta[def...	12.00	21.5	ng	403493	4	11.38	375579	20.0
Anthracene, 9-met...	12.02	5.0	ng	94564	4	11.38	375579	20.0
Naphthalene, 2-ph...	12.17	6.5	ng	122105	4	11.38	375579	20.0
di-p-Tolylacetylene	12.43	5.9	ng	111132	4	11.38	375579	20.0
unknown12.47	12.47	4.5	ng	85133	4	11.38	375579	20.0
Benzo[e]pyrene	15.17	8.0	ng	117743	6	15.50	294197	20.0
Pentaphene	17.16	4.5	ng	66405	6	15.50	294197	20.0
Dibenzo[def,mno]c...	17.67	6.7	ng	99099	6	15.50	294197	20.0