LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
Data File : BF109809.D
Acq On : 12 Oct 2018 1:45
Operator : JU/SJ
Sample : J5314-06 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.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	4.357	381	386	403	rVB	57002	85467	1.07%	0.111%
2	6.698	780	784	797	rBV	190627	288739	3.63%	0.375%
3	6.851	807	810	822	rVB2	60455	83557	1.05%	0.108%
4	7.975	998	1001	1003	rBV	367548	365026	4.58%	0.474%
5	7.998	1003	1005	1012	rVB	436400	454465	5.71%	0.590%
6	8.686	1119	1122	1130	rBV	115308	144586	1.82%	0.188%
7	8.786	1135	1139	1152	rVB	94128	114463	1.44%	0.149%
8	9.045	1180	1183	1195	rBV	73275	88651	1.11%	0.115%
9	9.722	1292	1298	1301	rBV	454296	432266	5.43%	0.561%
10	9.751	1301	1303	1309	rVB	726785	664844	8.35%	0.863%
11	9.928	1329	1333	1338	rBV	318493	361134	4.53%	0.469%
12	10.269	1387	1391	1397	rBV	700844	695130	8.73%	0.902%
13	10.333	1397	1402	1404	rVV	86720	128008	1.61%	0.166%
14	10.427	1415	1418	1426	rVB	126438	145725	1.83%	0.189%
15	10.510	1428	1432	1438	rBV2	164990	250751	3.15%	0.325%
16	10.816	1477	1484	1486	rBV3	123448	178799	2.25%	0.232%
17	10.939	1500	1505	1507	rBV2	73584	90300	1.13%	0.117%
18	11.010	1515	1517	1522	rVV	105834	109162	1.37%	0.142%
19	11.057	1522	1525	1529	rVV2	95988	124470	1.56%	0.162%
20	11.098	1529	1532	1541	rVB	223460	280189	3.52%	0.364%
21	11.204	1546	1550	1551	rBV	367683	341578	4.29%	0.443%
22	11.239	1551	1556	1560	rVV	4046226	4727426	59.36%	6.137%
23	11.280	1560	1563	1568	rVB	1575329	1550448	19.47%	2.013%
24	11.439	1584	1590	1597	rBV	505576	765805	9.62%	0.994%
25	11.498	1597	1600	1604	rVV2	101680	133807	1.68%	0.174%
26	11.545	1604	1608	1612	rVB3	47034	82112	1.03%	0.107%
27	11.704	1631	1635	1637	rBV	575870	568364	7.14%	0.738%
28	11.733	1637	1640	1645	rVB	800454	757229	9.51%	0.983%
29	11.780	1645	1648	1651	rBV	365691	340072	4.27%	0.441%
30	11.816	1651	1654	1656	rBV	1164123	1213826	15.24%	1.576%
31	11.998	1682	1685	1688	rBV	446661	416647	5.23%	0.541%
32	12.027	1688	1690	1695	rVV	222974	262115	3.29%	0.340%
33	12.145	1707	1710	1713	rBV	121964	130401	1.64%	0.169%
34	12.204	1717	1720	1724	rVB2	80089	92899	1.17%	0.121%

LSC Area Percent Report

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Sample : J5314-06 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.251	1724	1728	1731	rBV	259874	302228	3.79%	0.392%
36	12.292	1731	1735	1741	rVB3	190223	306583	3.85%	0.398%
37	12.351	1741	1745	1751	rVB2	291080	419578	5.27%	0.545%
38	12.433	1751	1759	1762	rBV	4906049	7495514	94.12%	9.730%
39	12.480	1765	1767	1773	rVB2	162218	171567	2.15%	0.223%
40	12.563	1776	1781	1784	rBV2	340236	382732	4.81%	0.497%
41	12.657	1790	1797	1801	rBV3	4330908	7964178	100.00%	10.338%
42	12.692	1801	1803	1811	rVB	391429	476824	5.99%	0.619%
43	12.763	1811	1815	1817	rBV	584916	563192	7.07%	0.731%
44	12.798	1819	1821	1826	rVB	423487	457285	5.74%	0.594%
45	12.863	1826	1832	1835	rBV2	507000	854927	10.73%	1.110%
46	12.892	1835	1837	1840	rVB	140730	111434	1.40%	0.145%
47	12.945	1842	1846	1848	rBV2	403991	527983	6.63%	0.685%
48	12.974	1848	1851	1854	rVB	1310093	1249269	15.69%	1.622%
49	13.039	1858	1862	1864	rBV	1102673	1083977	13.61%	1.407%
50	13.074	1864	1868	1870	rBV2	692690	687554	8.63%	0.892%
51	13.127	1875	1877	1880	rVV	183545	163713	2.06%	0.213%
52	13.163	1880	1883	1886	rVV	353250	323365	4.06%	0.420%
53	13.192	1886	1888	1897	rVB3	389837	514510	6.46%	0.668%
54	13.280	1901	1903	1907	rVB3	119059	120390	1.51%	0.156%
55	13.368	1911	1918	1920	rBV6	187019	338881	4.26%	0.440%
56	13.392	1920	1922	1924	rVB	169739	138966	1.74%	0.180%
57	13.451	1929	1932	1934	rBV	191810	228254	2.87%	0.296%
58	13.480	1934	1937	1941	rVV	398447	441110	5.54%	0.573%
59	13.586	1951	1955	1957	rBV	601160	697318	8.76%	0.905%
60	13.610	1957	1959	1961	rVV	747279	713687	8.96%	0.926%
61	13.639	1961	1964	1970	rVV3	563663	1001776	12.58%	1.300%
62	13.692	1970	1973	1978	rVB	498564	588197	7.39%	0.764%
63	13.757	1978	1984	1989	rBV	164971	256284	3.22%	0.333%
64	13.839	1989	1998	2001	rBV2	3402311	6094394	76.52%	7.911%
65	13.874	2001	2004	2010	rVB	3024571	3915128	49.16%	5.082%
66	13.945	2013	2016	2021	rVV	814884	738737	9.28%	0.959%
67	13.986	2021	2023	2024	rVV	125607	108510	1.36%	0.141%
68	14.027	2028	2030	2032	rVV2	264094	279489	3.51%	0.363%
69	14.051	2032	2034	2035	rVV	243881	224963	2.82%	0.292%
70	14.063	2035	2036	2040	rVB2	296123	273216	3.43%	0.355%
71	14.151	2049	2051	2054	rBV2	91382	90086	1.13%	0.117%

LSC Area Percent Report

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Instrument : BNA_F
ClientSampleId : DOCUMENTATION-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
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.186	2054	2057	2059	rVV	250281	284805	3.58%	0.370%
73	14.221	2059	2063	2066	rVV	793477	975982	12.25%	1.267%
74	14.257	2066	2069	2073	rVV2	373882	460277	5.78%	0.597%
75	14.315	2073	2079	2082	rVV2	391259	756522	9.50%	0.982%
76	14.345	2082	2084	2086	rVV	445717	484367	6.08%	0.629%
77	14.368	2086	2088	2091	rVV	517172	527174	6.62%	0.684%
78	14.415	2091	2096	2102	rVB3	239910	436820	5.48%	0.567%
79	14.533	2112	2116	2124	rVV3	244467	513643	6.45%	0.667%
80	14.598	2124	2127	2136	rVB4	138615	271535	3.41%	0.352%
81	14.698	2141	2144	2150	rBV2	233072	323284	4.06%	0.420%
82	14.862	2165	2172	2174	rBV	2092340	3972557	49.88%	5.157%
83	14.951	2183	2187	2191	rVB	499122	523308	6.57%	0.679%
84	15.045	2197	2203	2205	rBV2	172681	340377	4.27%	0.442%
85	15.133	2212	2218	2223	rBV	1089609	1575606	19.78%	2.045%
86	15.198	2223	2229	2234	rVV	1786057	2401816	30.16%	3.118%
87	15.245	2234	2237	2239	rVV	250759	313695	3.94%	0.407%
88	15.274	2239	2242	2250	rVB2	550444	797353	10.01%	1.035%
89	15.410	2261	2265	2267	rBV2	108107	155825	1.96%	0.202%
90	15.651	2301	2306	2309	rBV2	127090	199274	2.50%	0.259%
91	15.757	2321	2324	2328	rVB	125871	165052	2.07%	0.214%
92	15.898	2345	2348	2356	rVB4	50302	86415	1.09%	0.112%
93	16.415	2432	2436	2438	rBV2	73302	109689	1.38%	0.142%
94	16.609	2461	2469	2476	rBV	731931	1479886	18.58%	1.921%
95	16.756	2487	2494	2498	rBV	204536	421599	5.29%	0.547%
96	16.809	2499	2503	2508	rVB2	109850	214439	2.69%	0.278%
97	17.015	2530	2538	2550	rBV	494568	1165104	14.63%	1.512%
98	17.227	2568	2574	2587	rVB2	179189	519195	6.52%	0.674%
99	19.074	2878	2888	2899	rVB	163022	565275	7.10%	0.734%
100	19.250	2911	2918	2925	rBV2	76463	222567	2.79%	0.289%

Sum of corrected areas: 77037701

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
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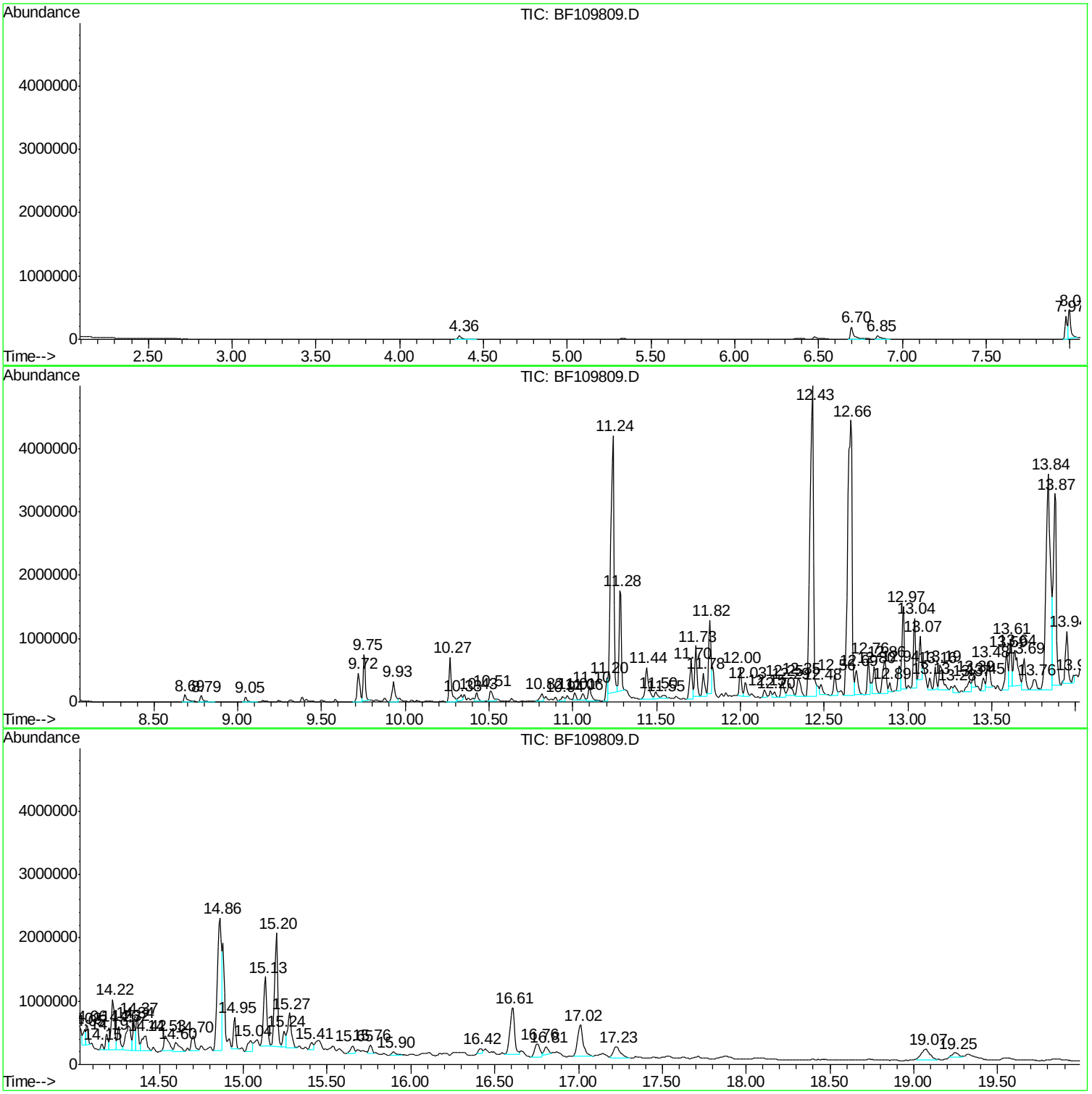
Acq On : 12 Oct 2018 1:45
Operator : JU/SJ
Sample : J5314-06 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-23

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
Data File : BF109809.D
Acq On : 12 Oct 2018 1:45
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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-23

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

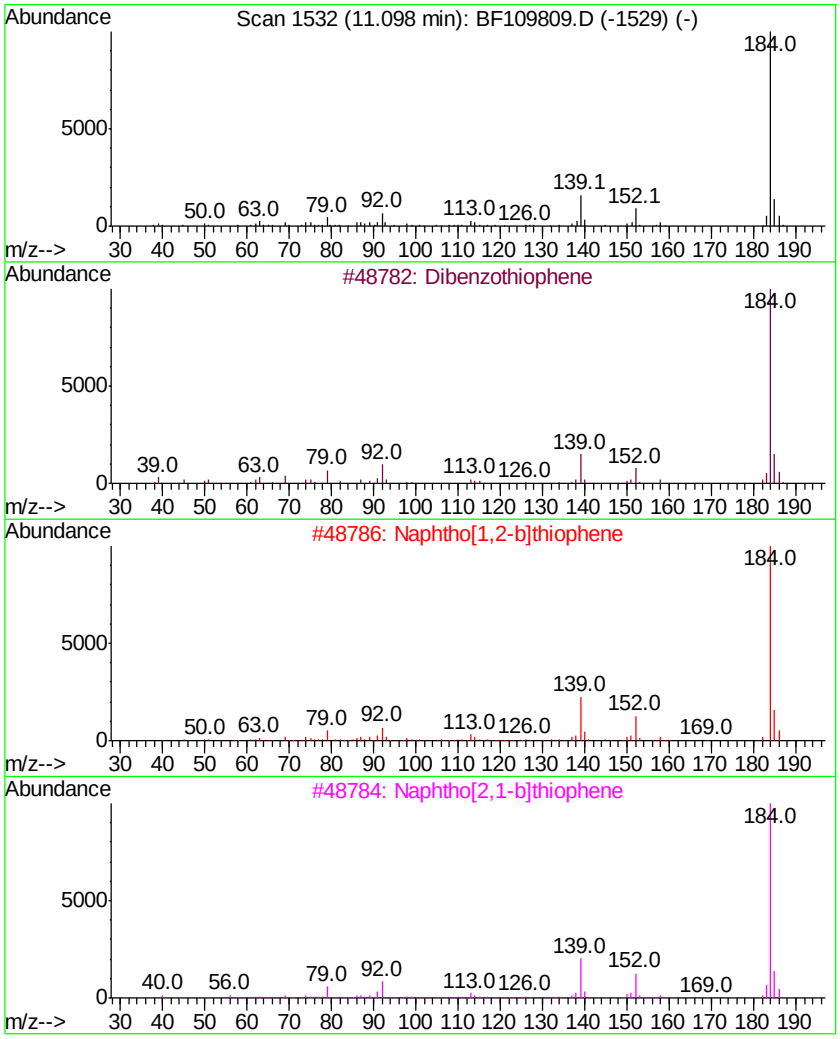
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

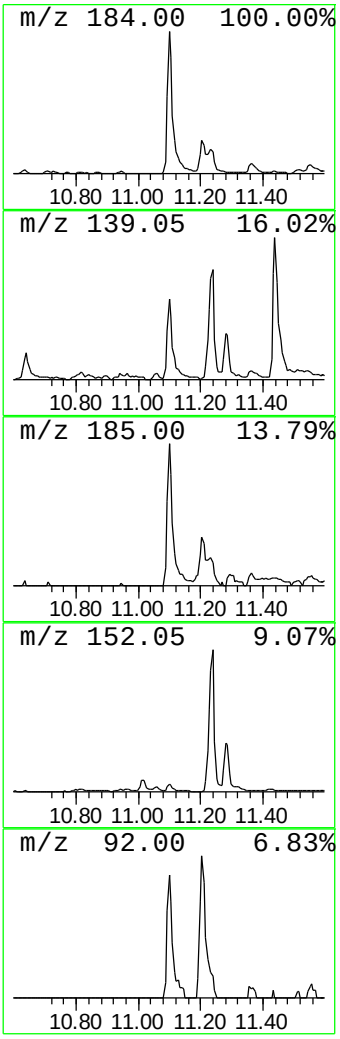
****

Peak Number 1 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	16.41 ng	280189	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

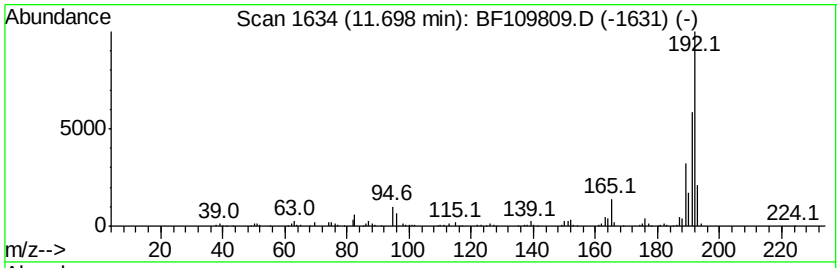
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

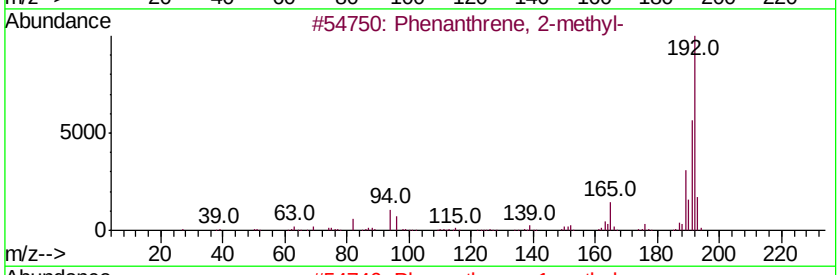
****

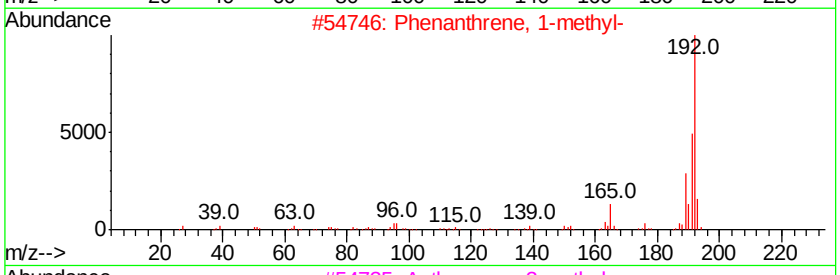
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 6

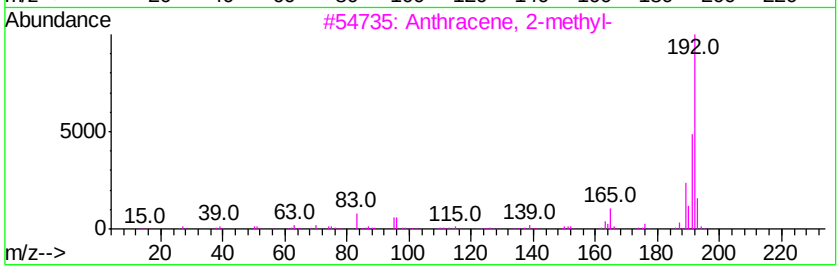
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	33.28 ng	568364	Phenanthrene-d10	11.20

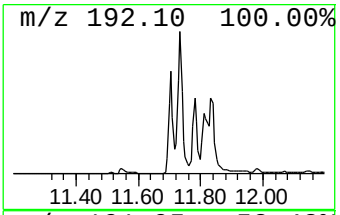
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94

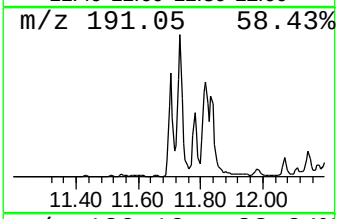


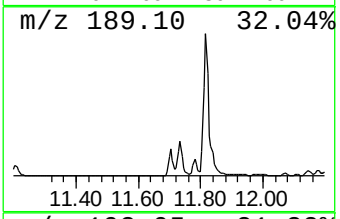


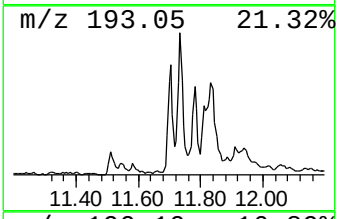


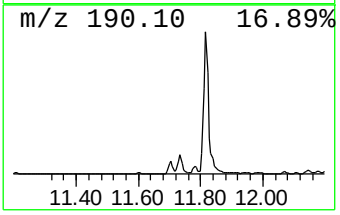












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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

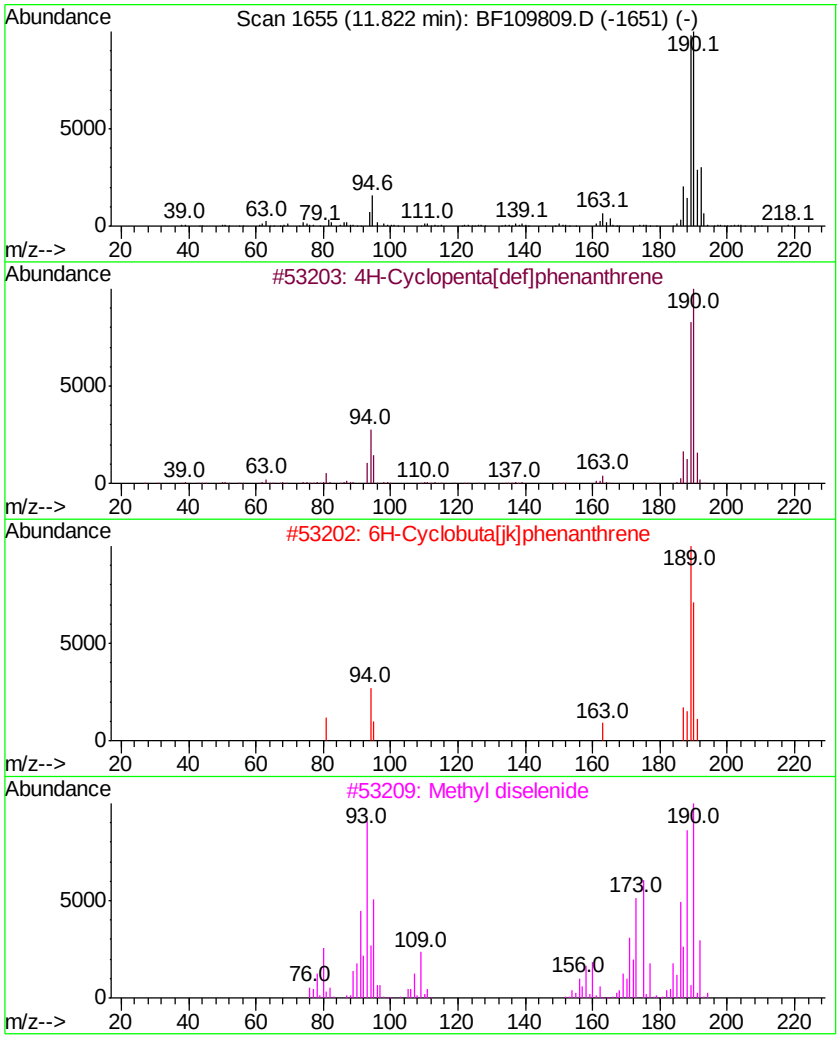
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

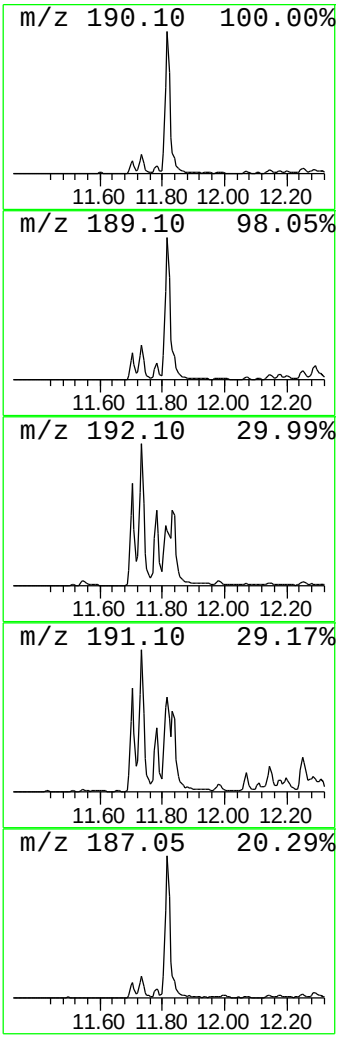
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	71.07 ng	1213830	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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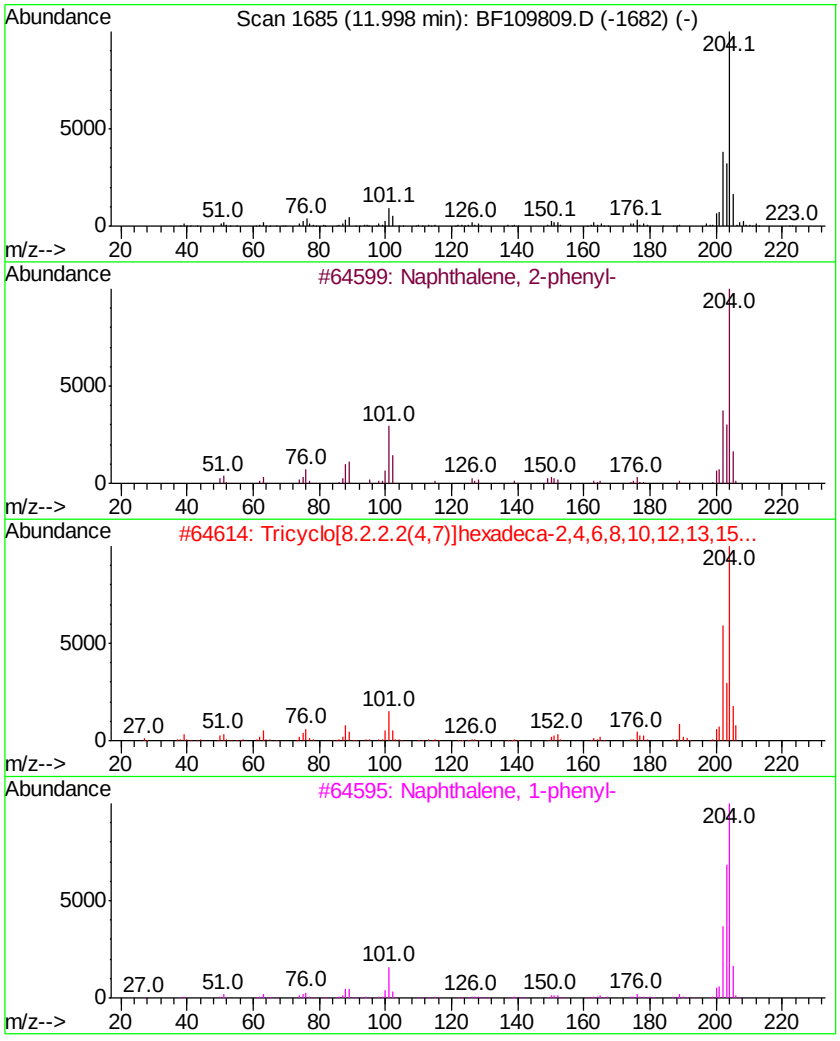
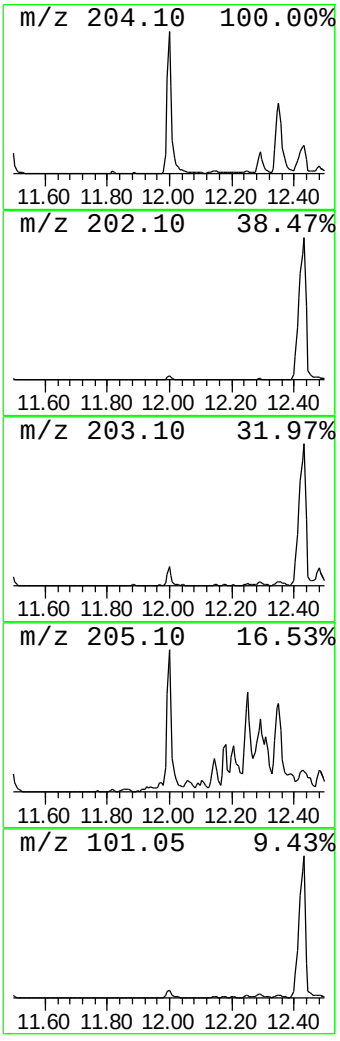
****

Peak Number 6 Naphthalene, 1-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	24.40 ng	416647	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	47
5	Levamisole	204	C11H12N2S	014769-73-4	47





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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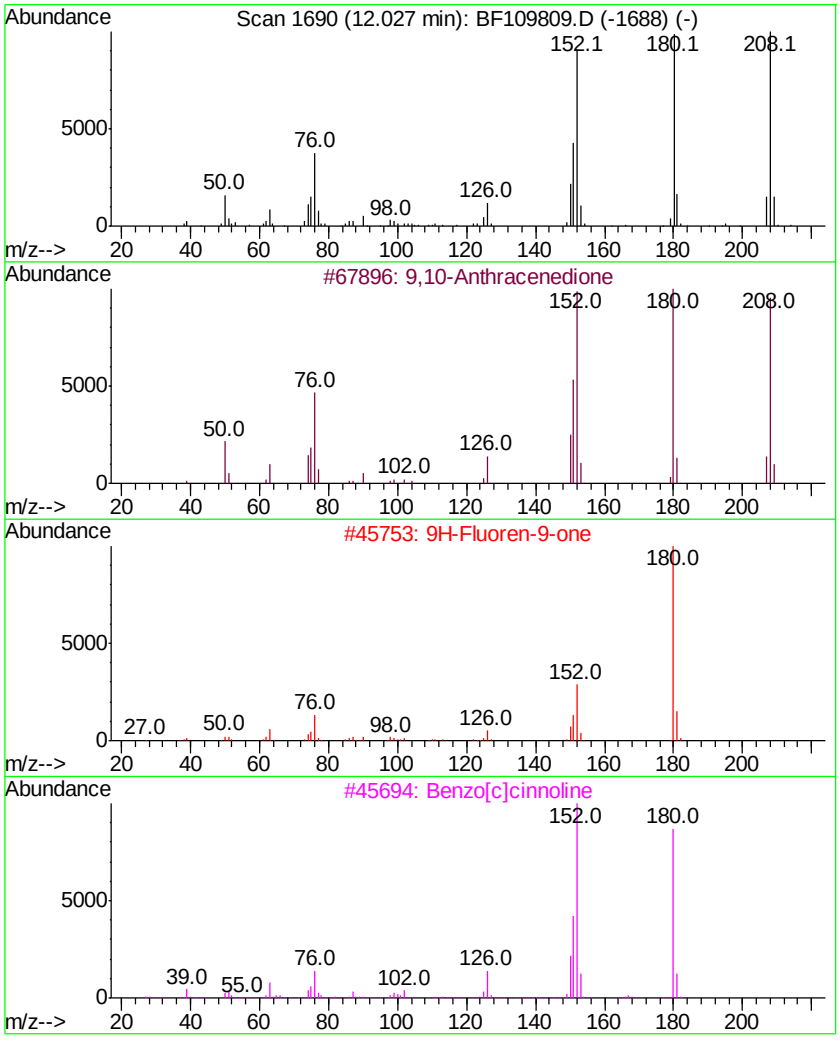
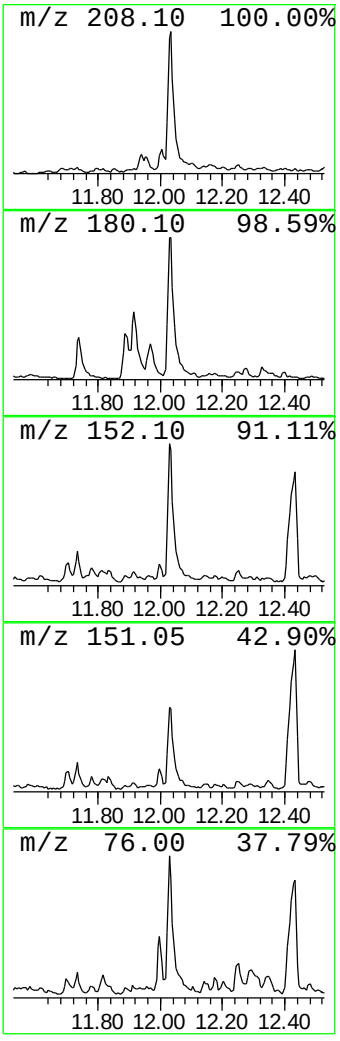
Peak Number 7 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	15.35 ng	262115	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	52





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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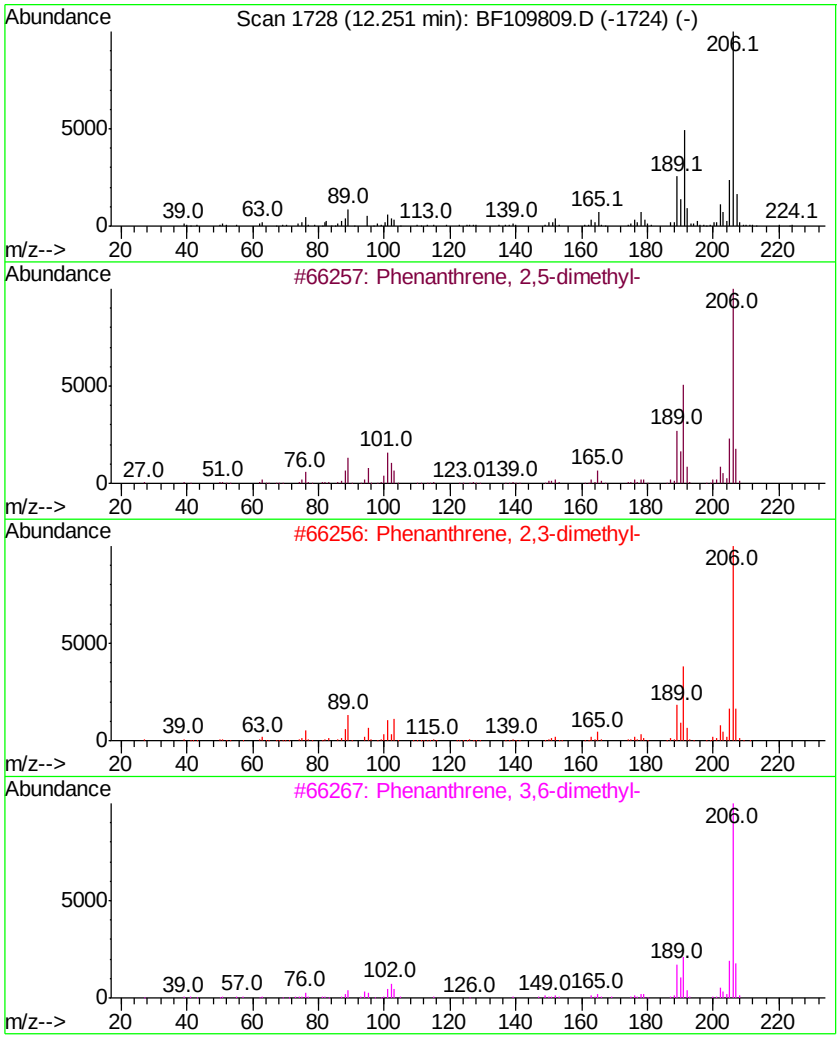
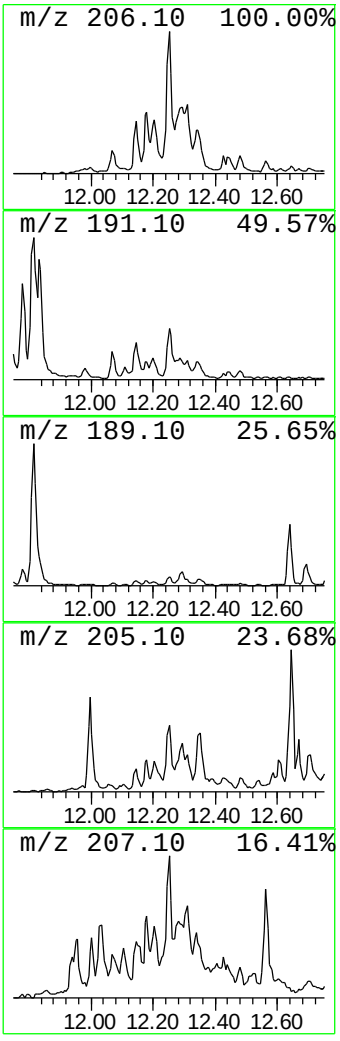
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	17.70 ng	302228	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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

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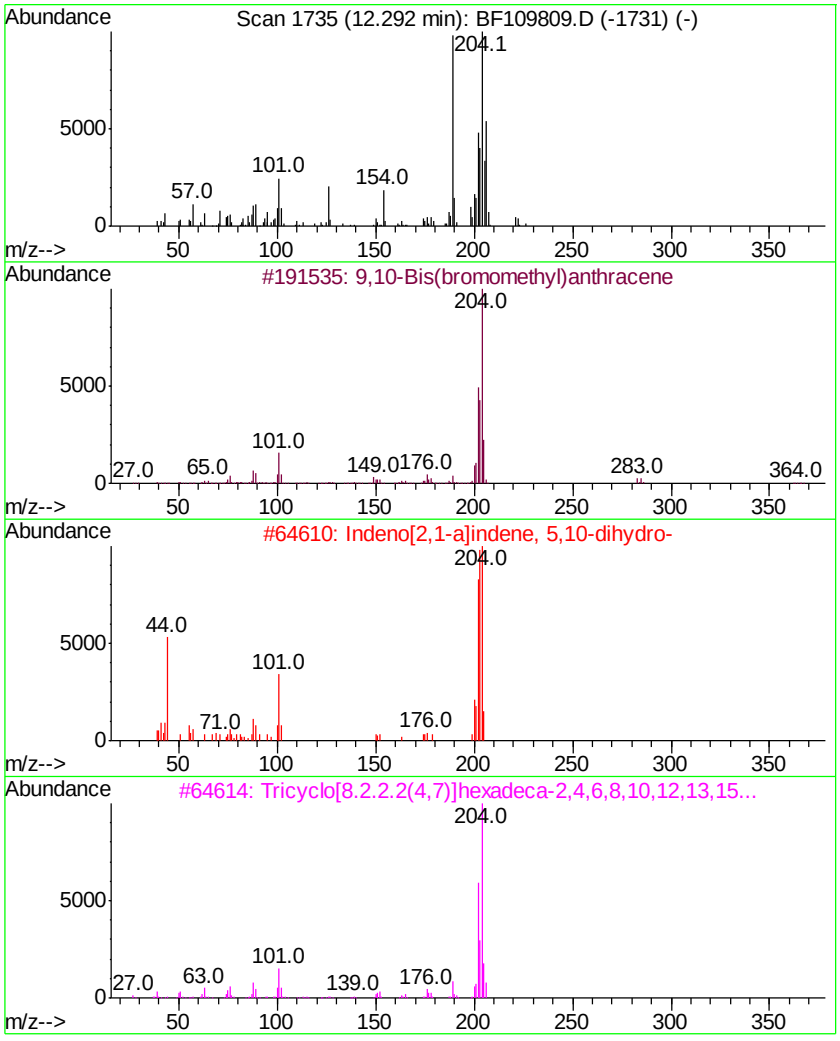
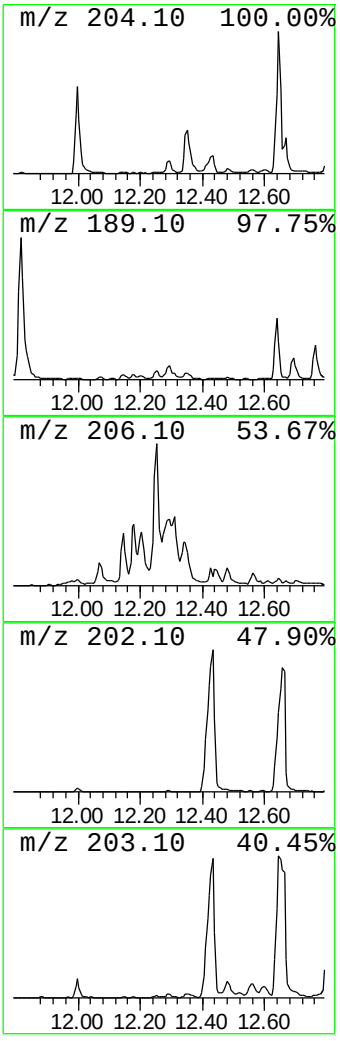
Peak Number 9 unknown12.29 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	17.95 ng	306583	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	45
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	42
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	Levamisole	204	C11H12N2S	014769-73-4	30





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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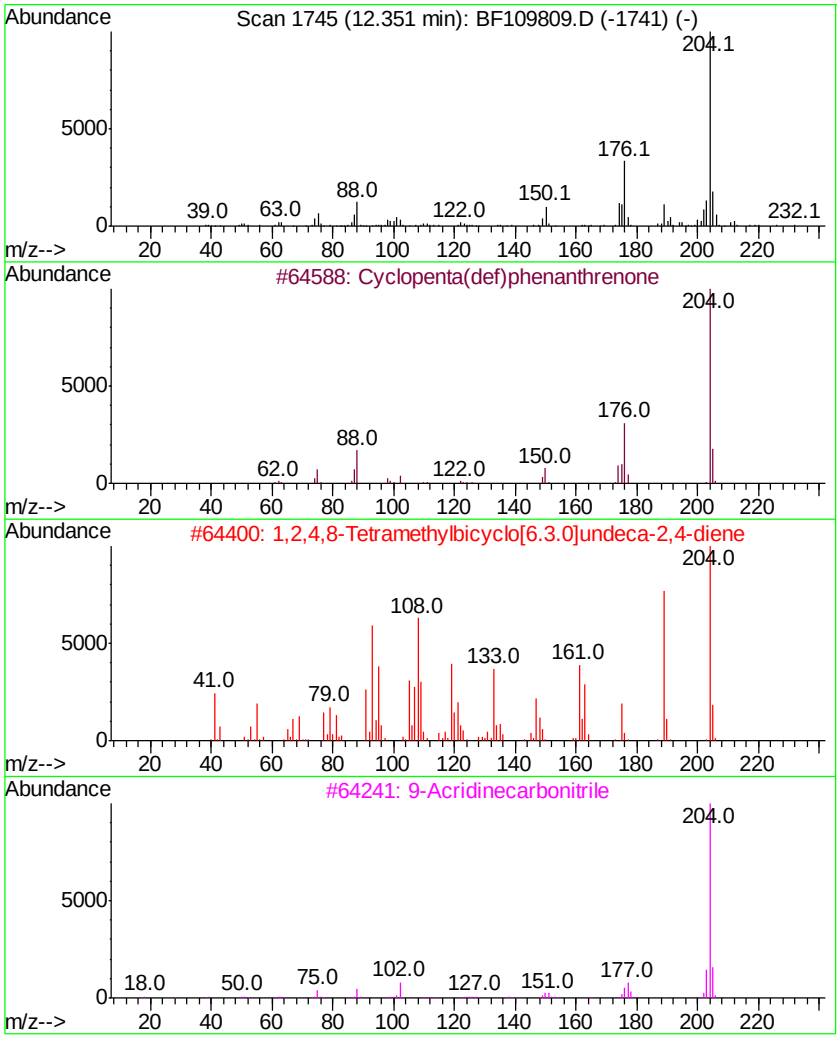
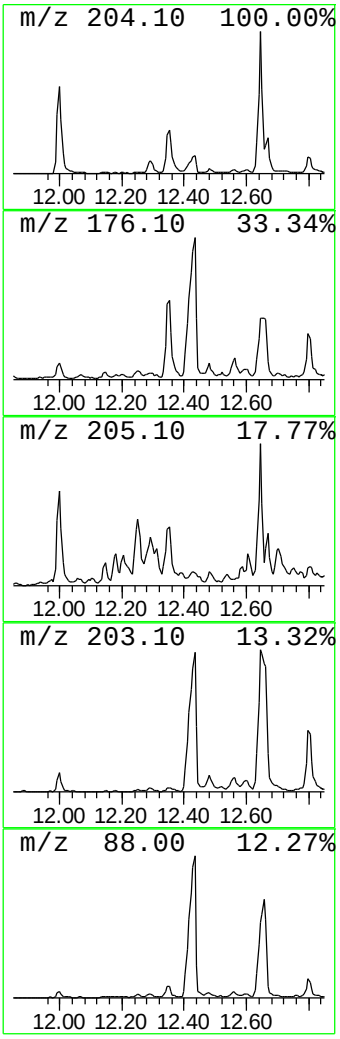
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	24.57 ng	419578	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	1,4-Naphthalenedione, 5,8-dihydr...	204	C11H8O4	014554-09-7	47





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

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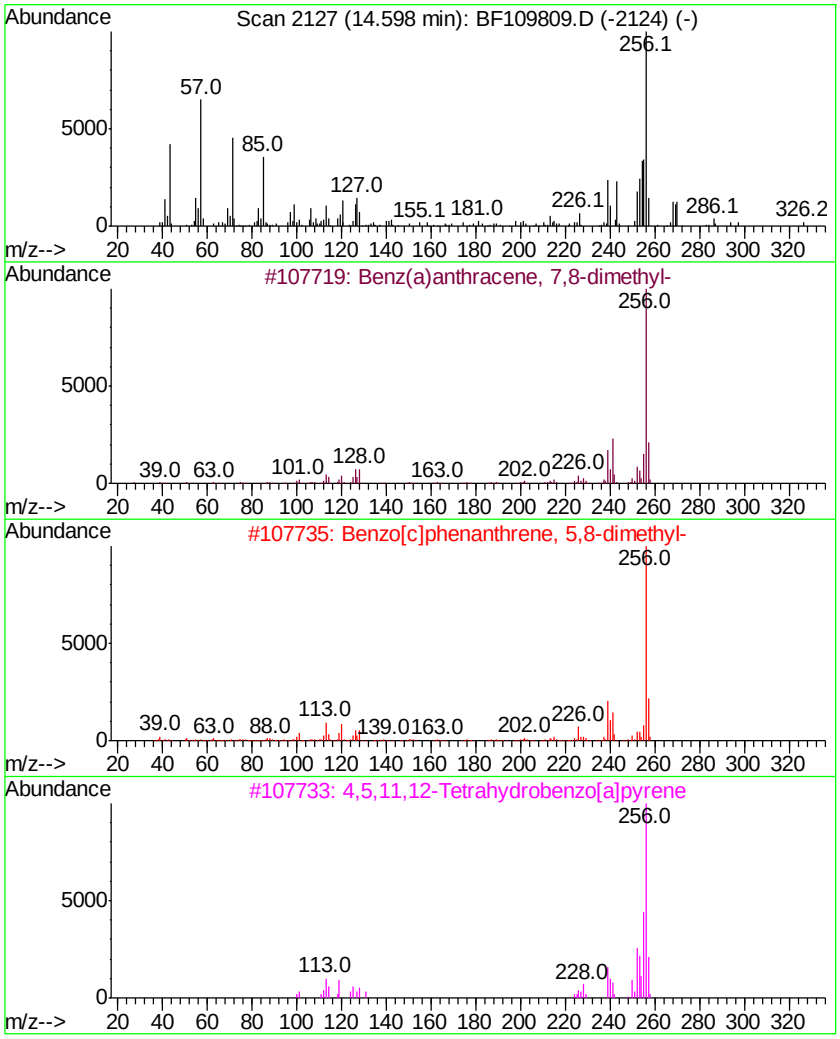
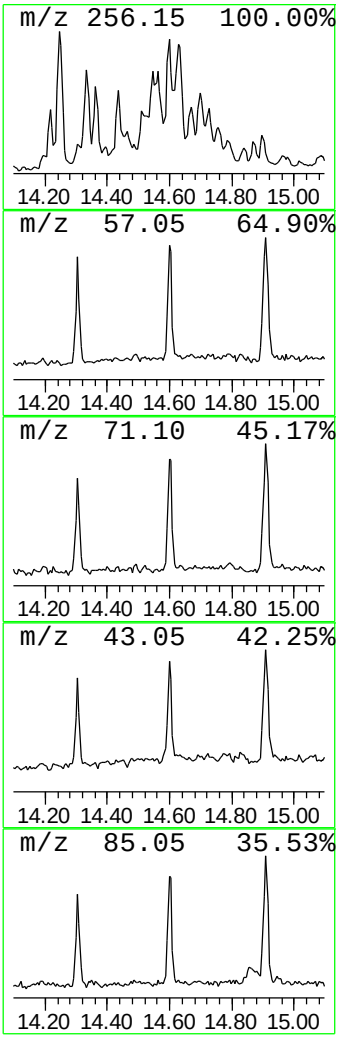
Peak Number 11 Benz(a)anthracene, 7,8-dime... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	17.31 ng	271535	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	55
2	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	55
3	4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	53
4	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	49
5	7,8,9,10-Tetrahydrobenzo[a]pyrene	256	C20H16	017750-93-5	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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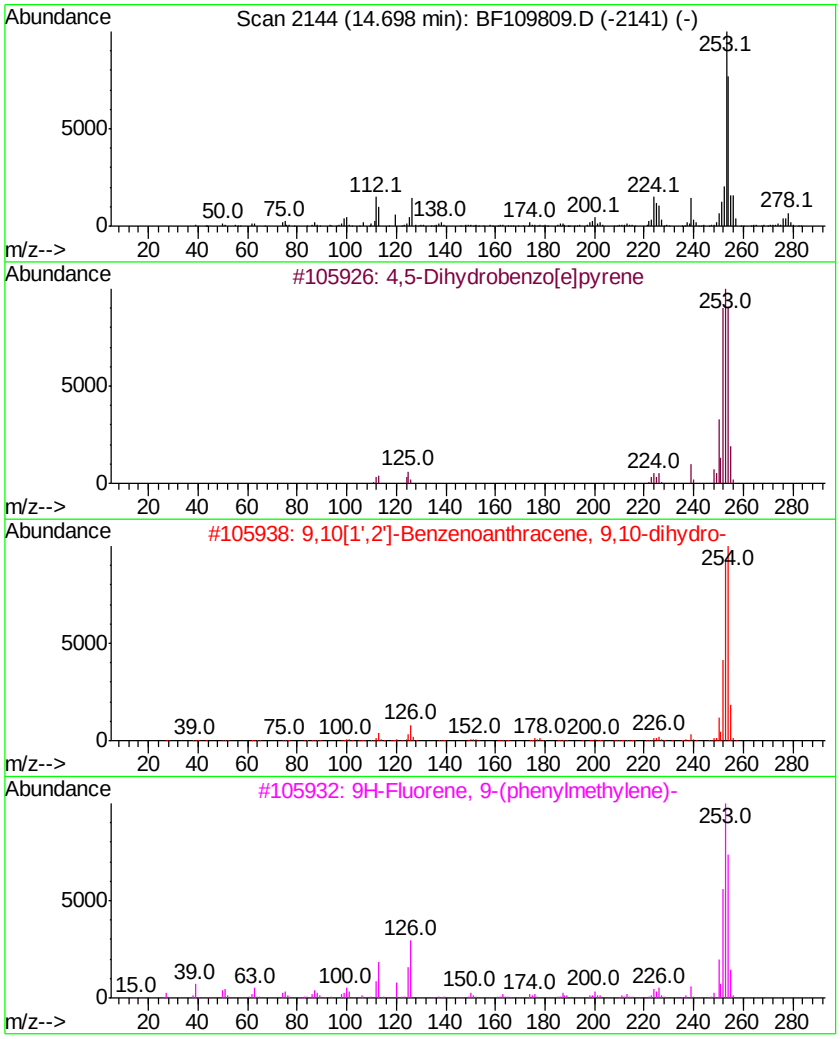
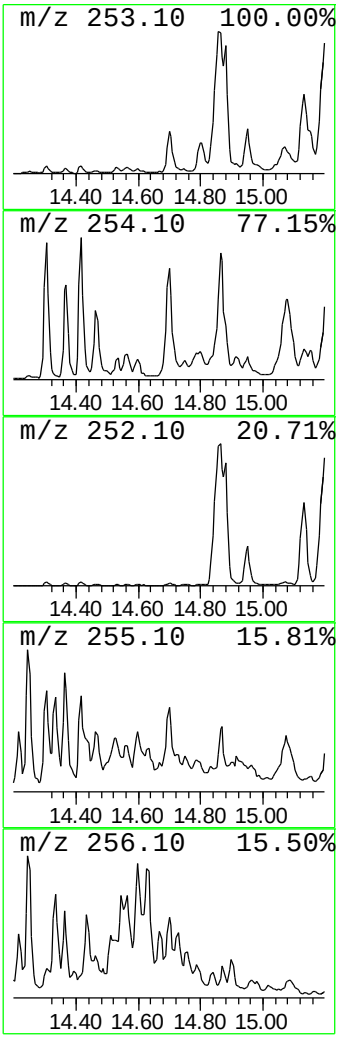
Peak Number 12 4,5-Dihydrobenzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	20.61 ng	323284	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	81
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	76
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	74
4	4,6'-Biazulenyl	254	C20H14	094154-49-1	68
5	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	68





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TIC Library : C:\DATABASE\NIST11.L
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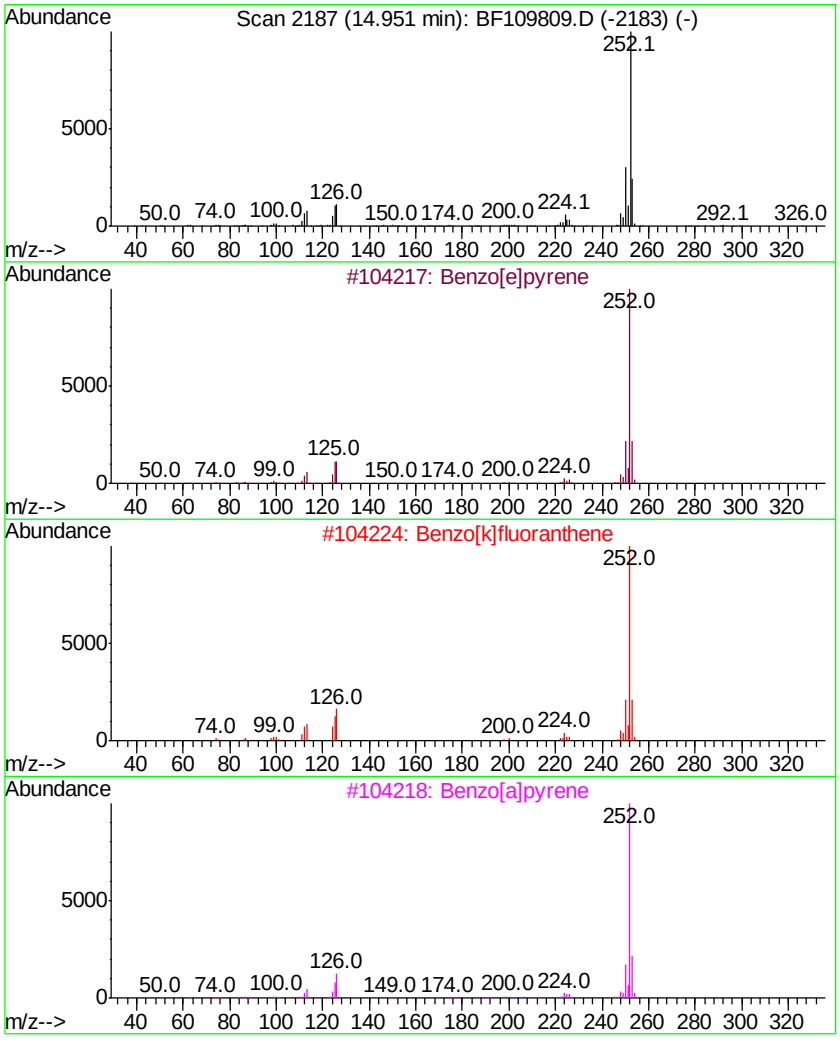
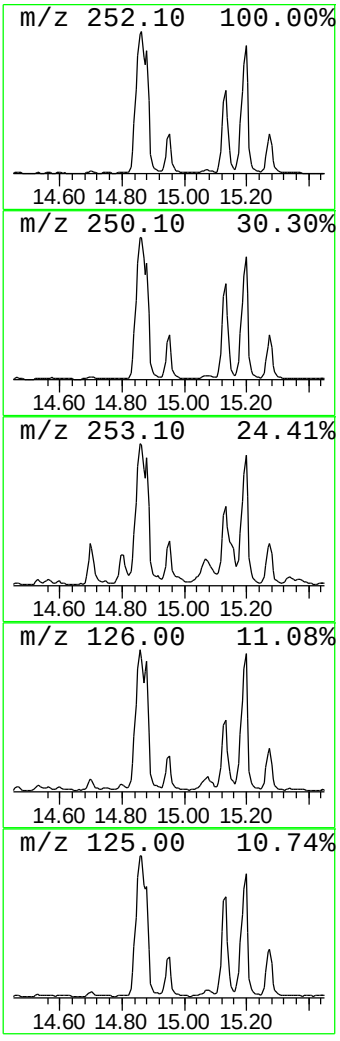
Peak Number 13 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	33.36 ng	523308	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	76





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TIC Integration Parameters: LSCINT.P

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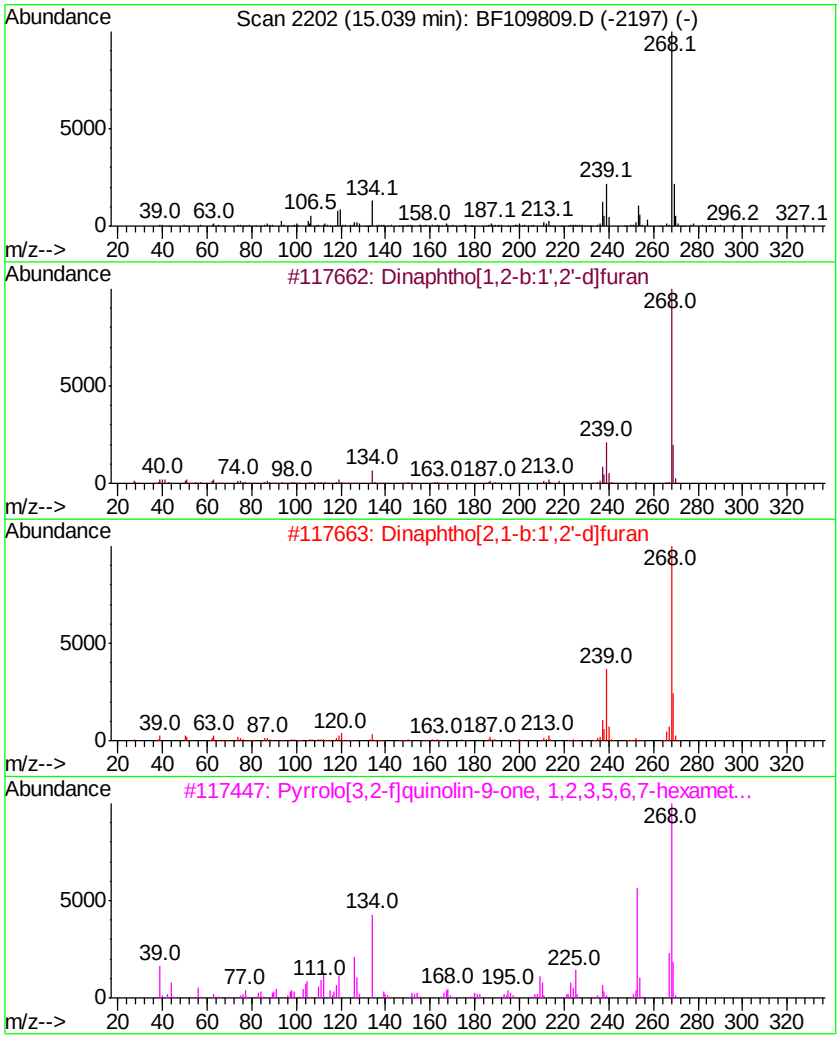
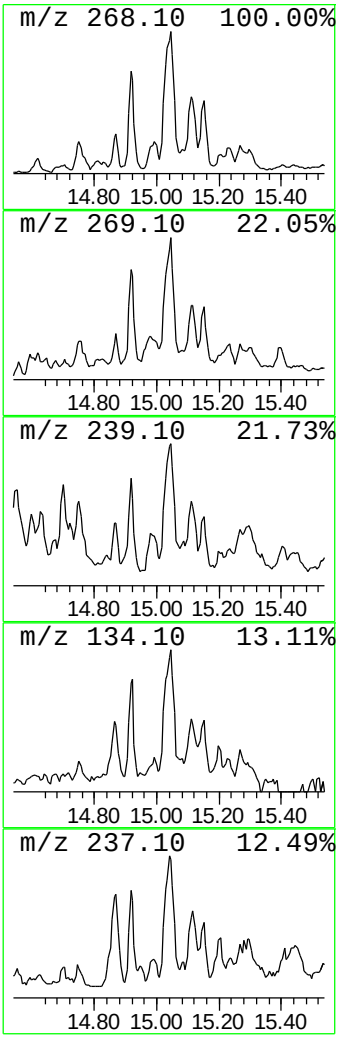
Peak Number 14 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	21.70 ng	340377	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	95
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	83
3	Pyrrolo[3,2-f]quinolin-9-one, 1,...	268	C17H20N2O	1000302-73-3	64
4	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	59
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59





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TIC Library : C:\DATABASE\NIST11.L
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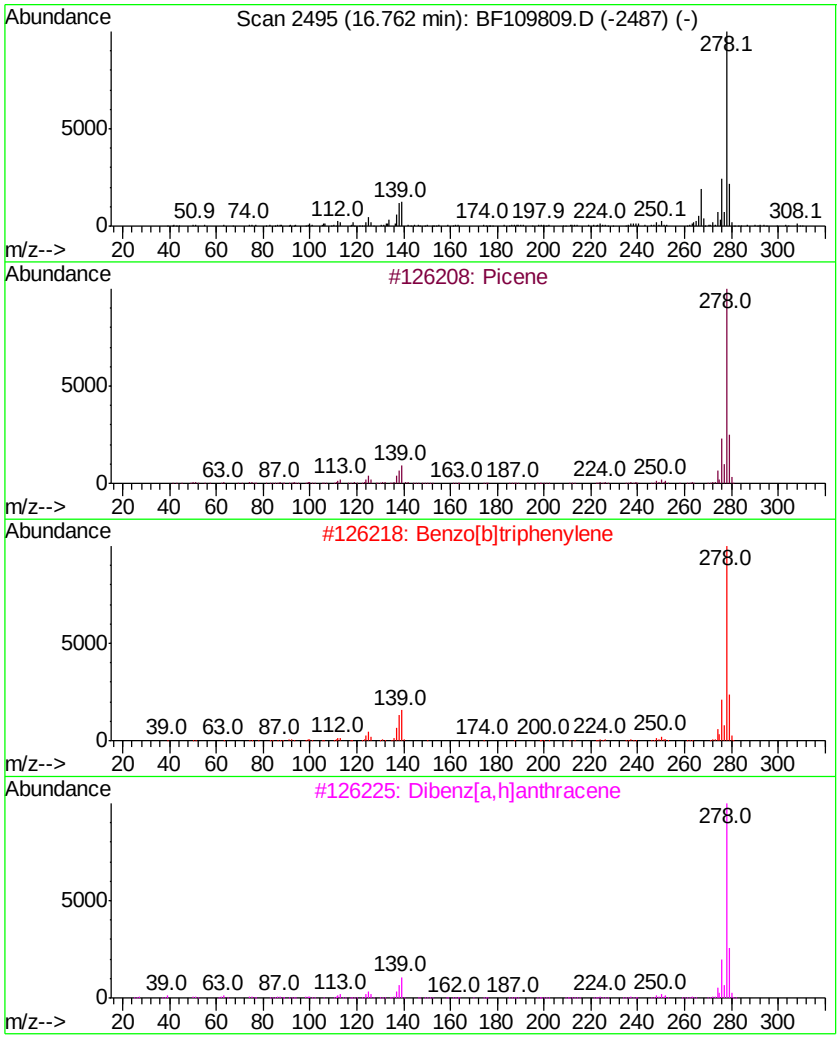
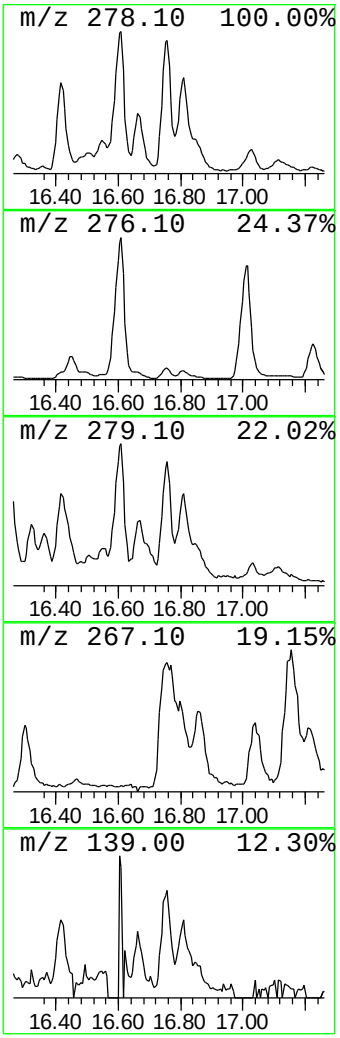
Peak Number 16 Picene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	26.88 ng	421599	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	97
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
4	Benzo[b]chrysene	278	C22H14	000214-17-5	96
5	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	91





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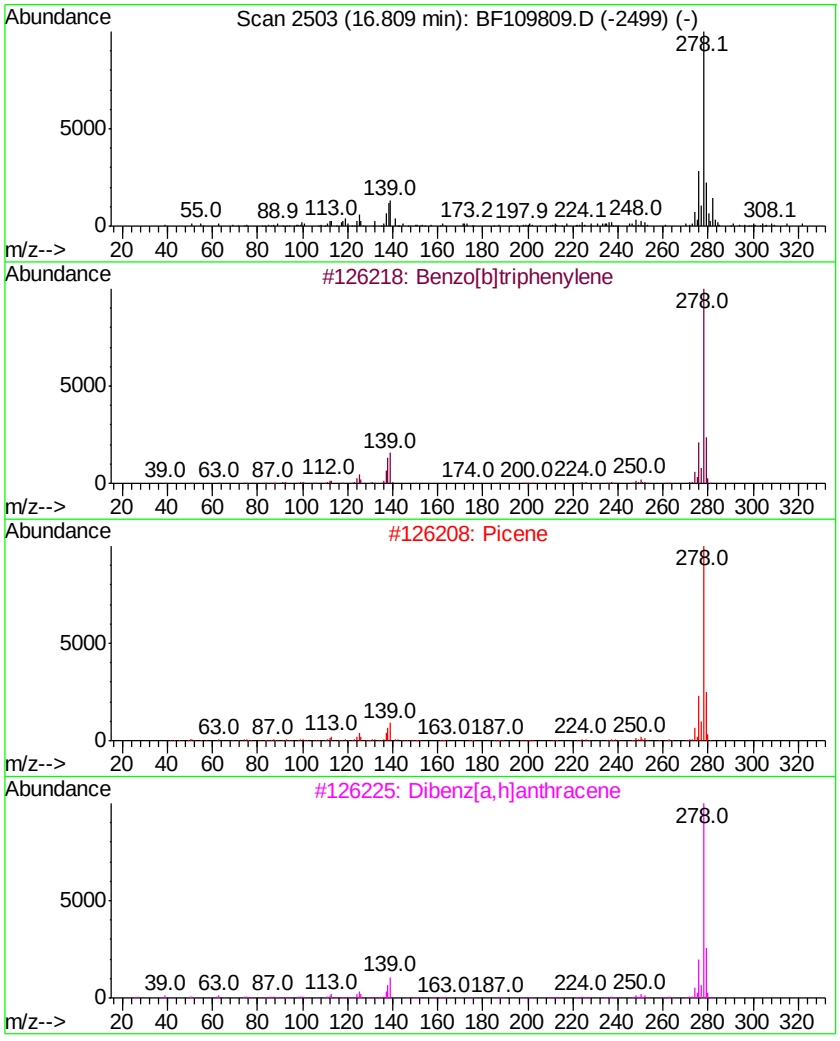
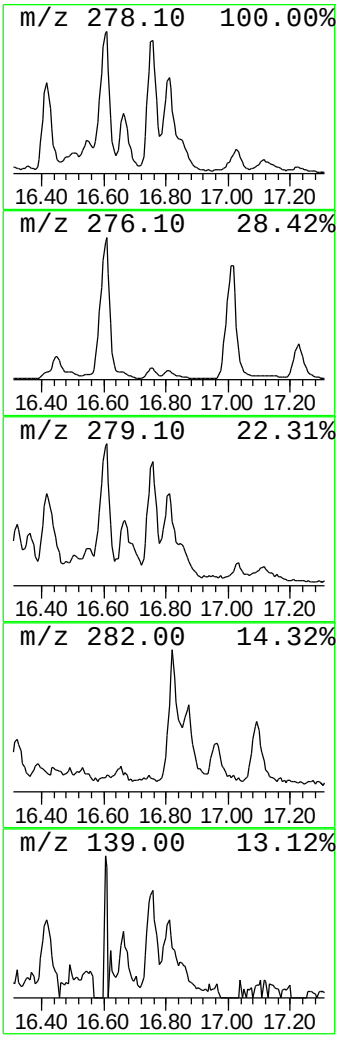
Peak Number 17 Benzo[b]triphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	13.67 ng	214439	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2	Picene	278	C22H14	000213-46-7	96
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
4	Pentacene	278	C22H14	000135-48-8	92
5	Benzo[b]chrysene	278	C22H14	000214-17-5	89





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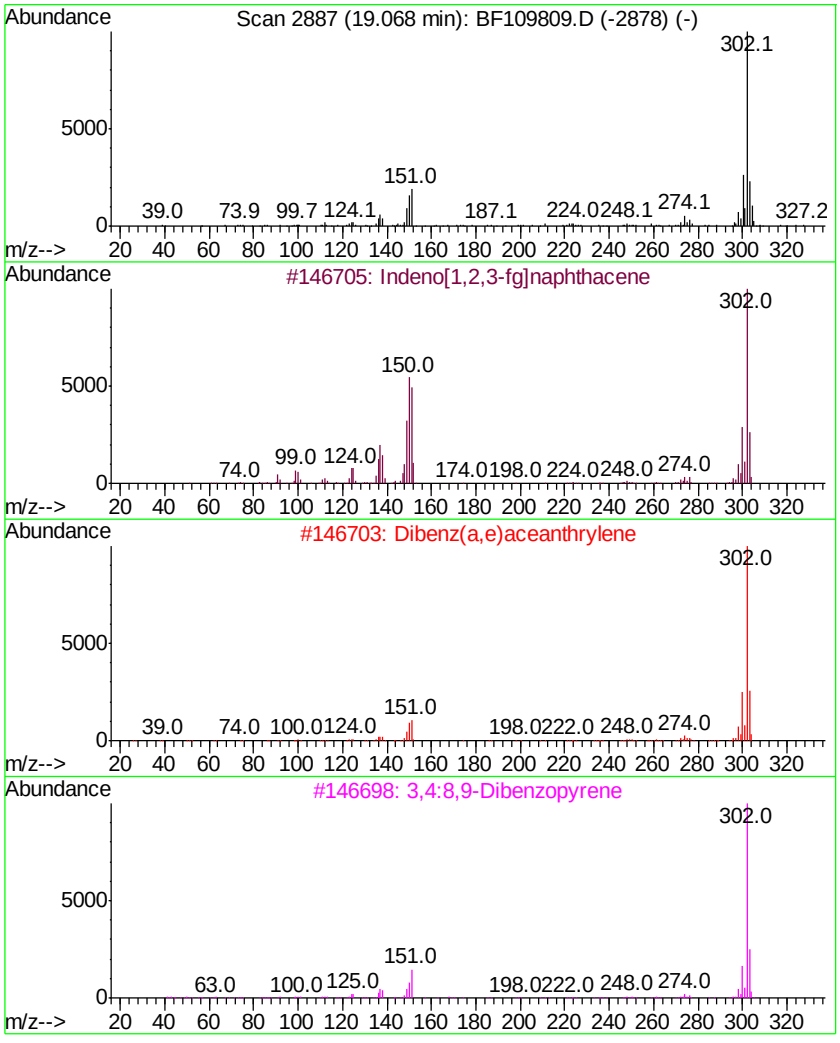
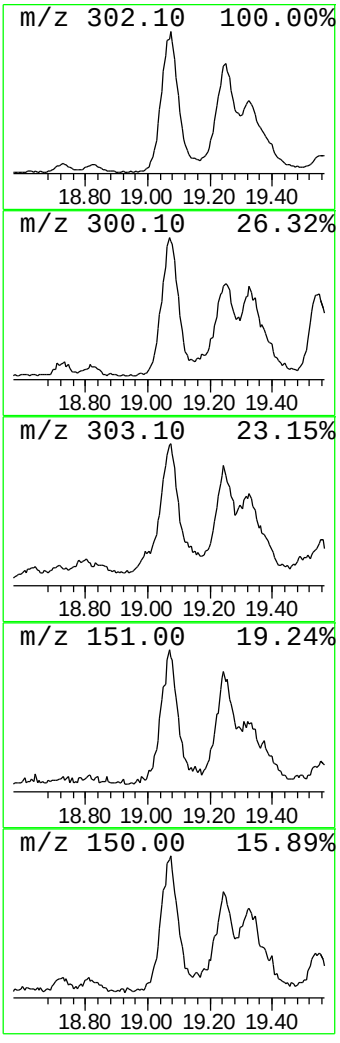
Peak Number 19 Indeno[1,2,3-fg]naphthacene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	36.04 ng	565275	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	97
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
4	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	93
5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
Data File : BF109809.D
Acq On : 12 Oct 2018 1:45
Operator : JU/SJ
Sample : J5314-06 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-23

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

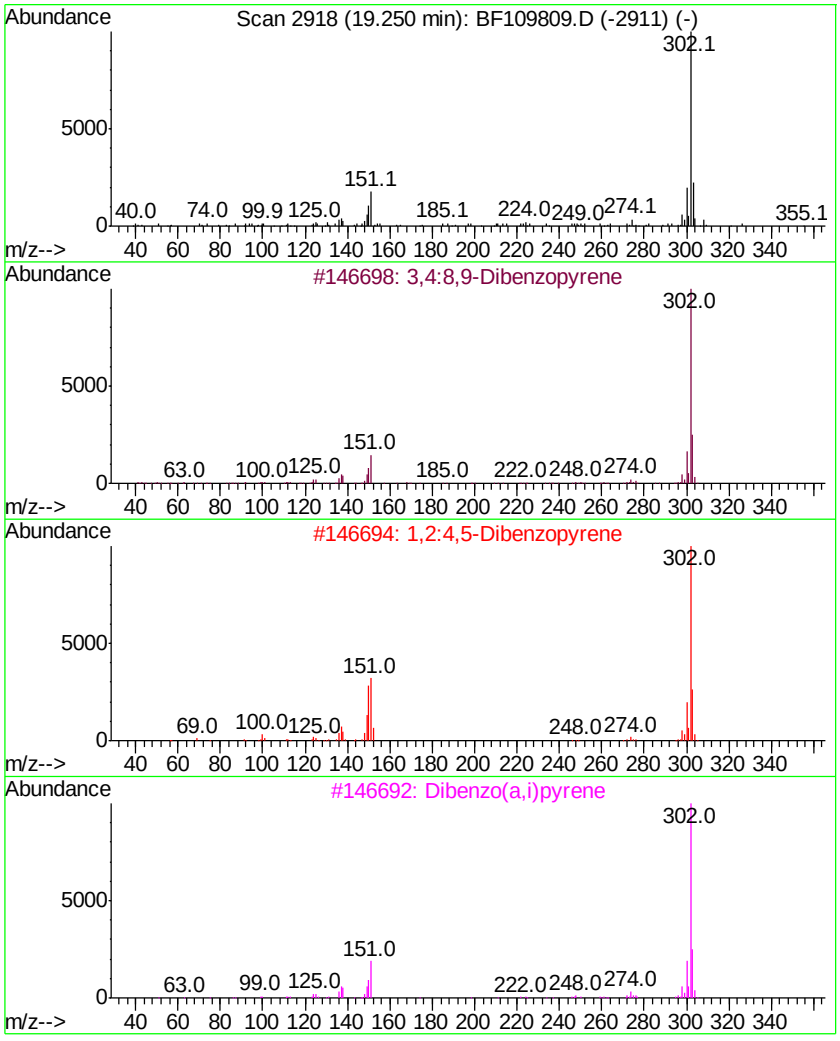
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

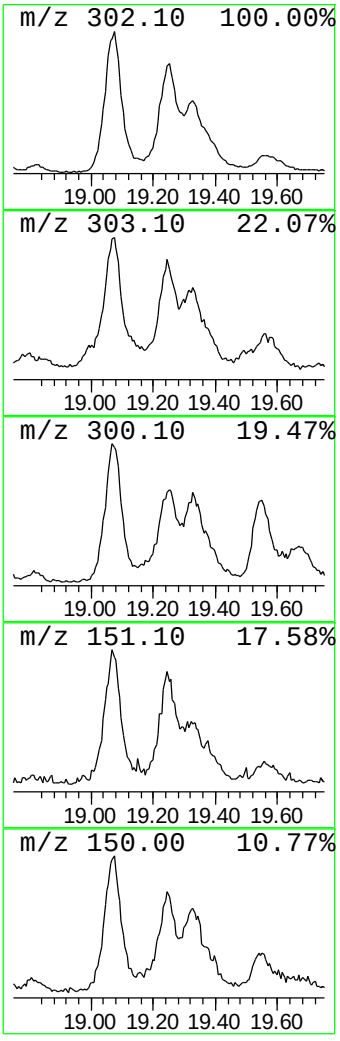
****

Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.25	14.19 ng	222567	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	98
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
3	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	93
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	90
5	Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101118\
Data File : BF109809.D
Acq On : 12 Oct 2018 1:45
Operator : JU/SJ
Sample : J5314-06 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-23

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.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
Dibenzothiophene	11.10	16.4	ng	280189	4	11.20	341578	20.0
Phenanthrene, 2-m...	11.70	33.3	ng	568364	4	11.20	341578	20.0
4H-Cyclopenta[def...	11.82	71.1	ng	1213830	4	11.20	341578	20.0
Naphthalene, 1-ph...	12.00	24.4	ng	416647	4	11.20	341578	20.0
9,10-Anthracenedione	12.03	15.4	ng	262115	4	11.20	341578	20.0
Phenanthrene, 2,5...	12.25	17.7	ng	302228	4	11.20	341578	20.0
unknown12.29	12.29	17.9	ng	306583	4	11.20	341578	20.0
Cyclopenta(def)ph...	12.35	24.6	ng	419578	4	11.20	341578	20.0
Benz(a)anthracene...	14.60	17.3	ng	271535	6	15.24	313695	20.0
4,5-Dihydrobenzo[...	14.70	20.6	ng	323284	6	15.24	313695	20.0
Benzo[e]pyrene	14.95	33.4	ng	523308	6	15.24	313695	20.0
Dinaphtho[1,2-b:1...	15.04	21.7	ng	340377	6	15.24	313695	20.0
Picene	16.76	26.9	ng	421599	6	15.24	313695	20.0
Benzo[b]triphenylene	16.81	13.7	ng	214439	6	15.24	313695	20.0
Indeno[1,2,3-fg]n...	19.07	36.0	ng	565275	6	15.24	313695	20.0
3,4:8,9-Dibenzopy...	19.25	14.2	ng	222567	6	15.24	313695	20.0