LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

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-BF113017.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	5.069	504	507	515	rBV	51722	62241	5.26%	0.341%
2	5.469	570	575	578	rBV	915212	931934	78.72%	5.105%
3	6.481	742	747	758	rBV	1020905	965810	81.58%	5.290%
4	6.616	766	770	773	rBV	1146954	995887	84.12%	5.455%
5	6.845	806	809	813	rBV	353665	273083	23.07%	1.496%
6	7.004	832	836	839	rBV	955924	783677	66.19%	4.293%
7	7.410	900	905	908	rBV	656120	580734	49.05%	3.181%
8	8.128	1024	1027	1030	rBV	446895	350873	29.64%	1.922%
9	9.204	1205	1210	1213	rBV	1458243	1183914	100.00%	6.485%
10	9.275	1219	1222	1225	rVB	17814	14522	1.23%	0.080%
11	9.539	1262	1267	1270	rBV2	14844	17377	1.47%	0.095%
12	9.592	1273	1276	1284	rVB	88990	80452	6.80%	0.441%
13	9.745	1299	1302	1305	rBV	56527	45080	3.81%	0.247%
14	9.804	1308	1312	1315	rBV	34268	28477	2.41%	0.156%
15	9.886	1322	1326	1329	rBV	418480	378762	31.99%	2.075%
16	9.916	1329	1331	1334	rVB	54753	42076	3.55%	0.230%
17	10.086	1354	1360	1363	rVB2	31683	29084	2.46%	0.159%
18	10.304	1389	1397	1400	rBV2	34154	33681	2.84%	0.184%
19	10.433	1415	1419	1422	rVB	54233	52855	4.46%	0.290%
20	10.675	1456	1460	1463	rBV	724470	618697	52.26%	3.389%
21	10.775	1474	1477	1479	rBV	22326	21497	1.82%	0.118%
22	10.980	1506	1512	1514	rBV4	16717	25195	2.13%	0.138%
23	11.180	1543	1546	1549	rVV	31795	29031	2.45%	0.159%
24	11.222	1549	1553	1556	rVV2	19915	24717	2.09%	0.135%
25	11.269	1556	1561	1565	rVB	36494	35779	3.02%	0.196%
26	11.374	1575	1579	1581	rBV	388521	386378	32.64%	2.116%
27	11.398	1581	1583	1586	rVV	744144	551416	46.58%	3.020%
28	11.445	1588	1591	1594	rVB	153794	133227	11.25%	0.730%
29	11.604	1613	1618	1624	rBV2	68350	70935	5.99%	0.389%
30	11.704	1633	1635	1639	rVB3	22819	21665	1.83%	0.119%
31	11.874	1659	1664	1665	rBV	95970	89533	7.56%	0.490%
32	11.898	1665	1668	1672	rVV	126957	144176	12.18%	0.790%
33	11.951	1672	1677	1679	rVV	46597	40402	3.41%	0.221%
34	11.986	1679	1683	1685	rVV2	145521	149380	12.62%	0.818%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

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-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.010	1685	1687	1690	rVB	62658	49101	4.15%	0.269%
36	12.057	1692	1695	1697	rBV2	13824	16257	1.37%	0.089%
37	12.169	1711	1714	1717	rBV	65196	51339	4.34%	0.281%
38	12.198	1717	1719	1724	rVB	69245	58476	4.94%	0.320%
39	12.316	1734	1739	1742	rBV3	25192	27052	2.28%	0.148%
40	12.351	1742	1745	1747	rVV	20481	19817	1.67%	0.109%
41	12.374	1747	1749	1751	rVB	19150	14801	1.25%	0.081%
42	12.421	1751	1757	1759	rBV	59301	63624	5.37%	0.349%
43	12.463	1759	1764	1766	rVV3	32924	54446	4.60%	0.298%
44	12.516	1769	1773	1776	rVV	56632	60750	5.13%	0.333%
45	12.592	1781	1786	1789	rBV	953120	853342	72.08%	4.674%
46	12.651	1794	1796	1798	rBV	24309	17746	1.50%	0.097%
47	12.680	1798	1801	1804	rBV2	33738	30042	2.54%	0.165%
48	12.739	1804	1811	1814	rBV3	32254	55989	4.73%	0.307%
49	12.821	1818	1825	1830	rBV	858175	906605	76.58%	4.966%
50	12.863	1830	1832	1837	rVB2	43084	50021	4.23%	0.274%
51	12.957	1841	1848	1851	rBV	1053816	967248	81.70%	5.298%
52	13.039	1857	1862	1865	rBV3	58626	91556	7.73%	0.502%
53	13.121	1873	1876	1877	rBV2	57528	60518	5.11%	0.331%
54	13.145	1877	1880	1883	rVB	112487	109772	9.27%	0.601%
55	13.174	1883	1885	1888	rBV3	14136	17698	1.49%	0.097%
56	13.210	1888	1891	1894	rVV	77658	67690	5.72%	0.371%
57	13.251	1894	1898	1900	rVV2	85168	101046	8.53%	0.553%
58	13.274	1900	1902	1905	rVB2	22319	21460	1.81%	0.118%
59	13.345	1911	1914	1916	rVB	46584	43079	3.64%	0.236%
60	13.374	1916	1919	1922	rBV2	53548	51398	4.34%	0.282%
61	13.457	1931	1933	1936	rVB2	22031	17832	1.51%	0.098%
62	13.527	1941	1945	1947	rBV4	15985	26092	2.20%	0.143%
63	13.627	1960	1962	1964	rBV3	15022	14530	1.23%	0.080%
64	13.657	1964	1967	1971	rVB	99006	93117	7.87%	0.510%
65	13.763	1981	1985	1988	rBV2	93016	117172	9.90%	0.642%
66	13.792	1988	1990	1992	rVV	86741	72931	6.16%	0.399%
67	13.816	1992	1994	1996	rVV	74849	78731	6.65%	0.431%
68	13.839	1996	1998	2000	rVV3	121253	131314	11.09%	0.719%
69	13.863	2000	2002	2005	rVB	100129	90100	7.61%	0.494%
70	13.933	2012	2014	2016	rBV	18183	14354	1.21%	0.079%
71	14.015	2020	2028	2031	rVV2	561628	912776	77.10%	5.000%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

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-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.045	2031	2033	2036	rVV	480951	387853	32.76%	2.124%
73	14.104	2040	2043	2044	rBV2	21181	17709	1.50%	0.097%
74	14.121	2044	2046	2049	rVV	66562	62244	5.26%	0.341%
75	14.163	2051	2053	2056	rVV	44973	51216	4.33%	0.281%
76	14.210	2059	2061	2063	rVV	37533	30541	2.58%	0.167%
77	14.245	2063	2067	2070	rVB2	52875	65849	5.56%	0.361%
78	14.280	2070	2073	2075	rBV4	25846	26778	2.26%	0.147%
79	14.368	2084	2088	2089	rBV2	31869	32093	2.71%	0.176%
80	14.404	2089	2094	2096	rVV	99671	107671	9.09%	0.590%
81	14.433	2097	2099	2103	rVV2	47474	56571	4.78%	0.310%
82	14.480	2103	2107	2108	rVV4	34644	47746	4.03%	0.262%
83	14.527	2112	2115	2117	rVV	60164	57200	4.83%	0.313%
84	14.551	2117	2119	2122	rVB2	45118	37342	3.15%	0.205%
85	14.715	2145	2147	2150	rBV3	29702	30921	2.61%	0.169%
86	14.904	2176	2179	2186	rVB3	40122	70159	5.93%	0.384%
87	15.068	2201	2207	2210	rBV	402458	683273	57.71%	3.743%
88	15.168	2221	2224	2229	rBV	77290	97211	8.21%	0.532%
89	15.368	2254	2258	2264	rVB	235509	341562	28.85%	1.871%
90	15.433	2265	2269	2274	rVV	348195	426776	36.05%	2.338%
91	15.498	2275	2280	2283	rVV	236164	338718	28.61%	1.855%
92	15.527	2283	2285	2291	rVB2	113269	147462	12.46%	0.808%
93	16.980	2526	2532	2540	rVB	143291	279517	23.61%	1.531%
94	17.427	2602	2608	2618	rVB2	105384	237441	20.06%	1.301%

Sum of corrected areas: 18256222

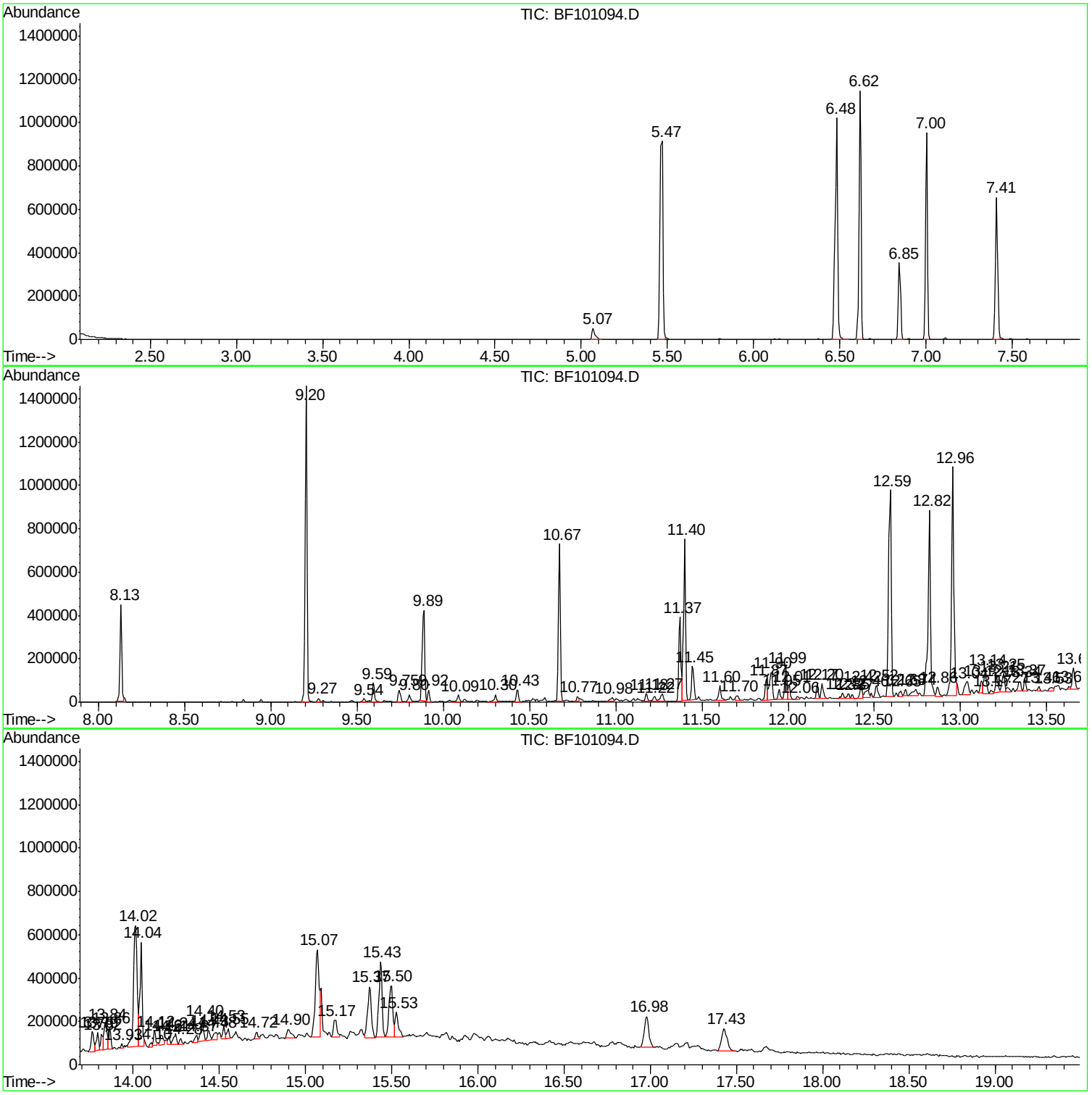
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

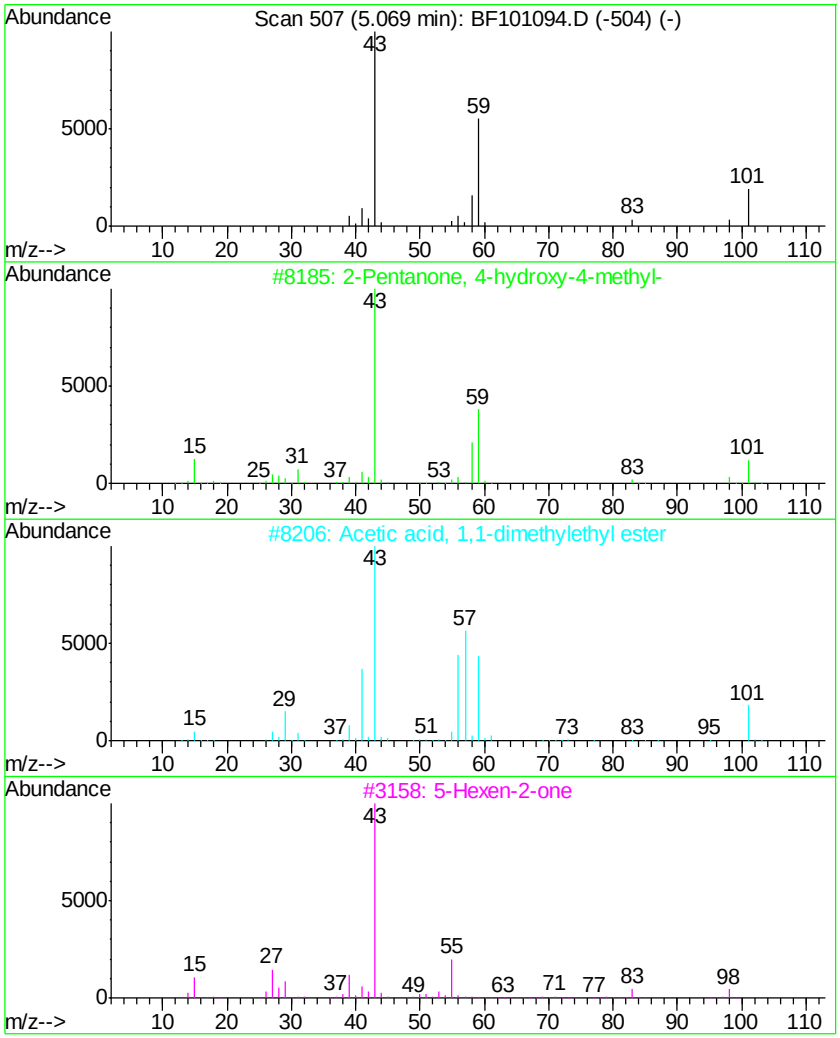
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

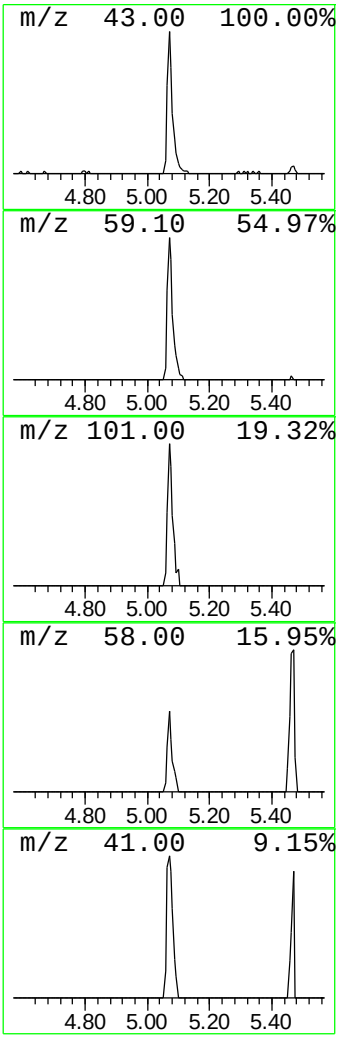
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	4.56 ng	62241	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	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	9
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

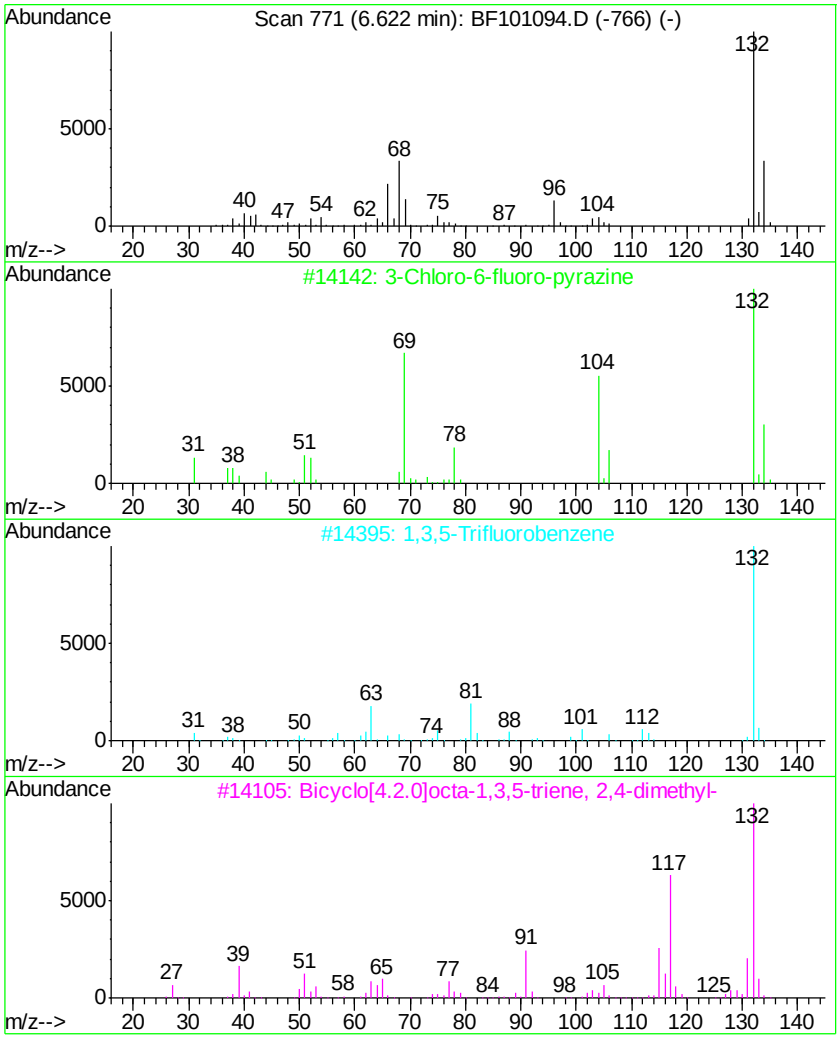
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

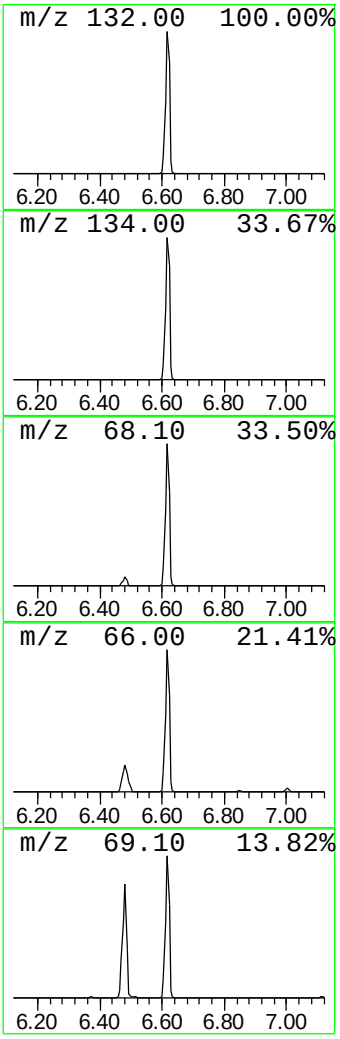
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	72.94 ng	995887	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	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

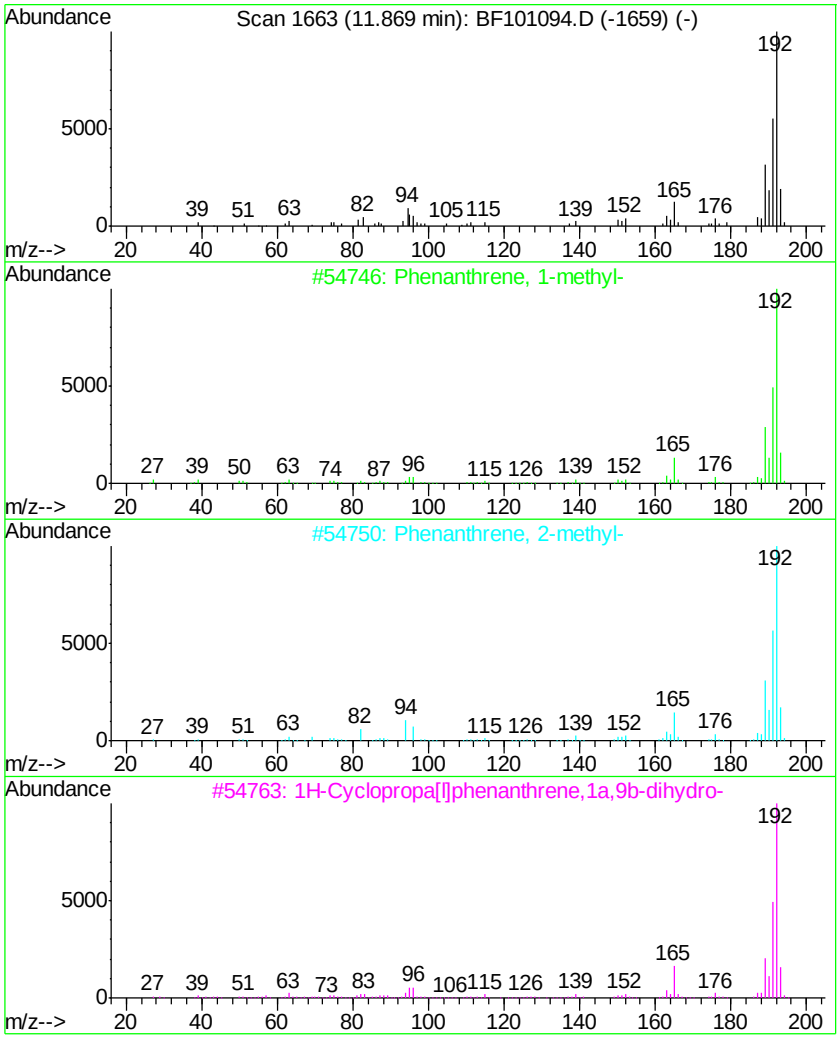
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

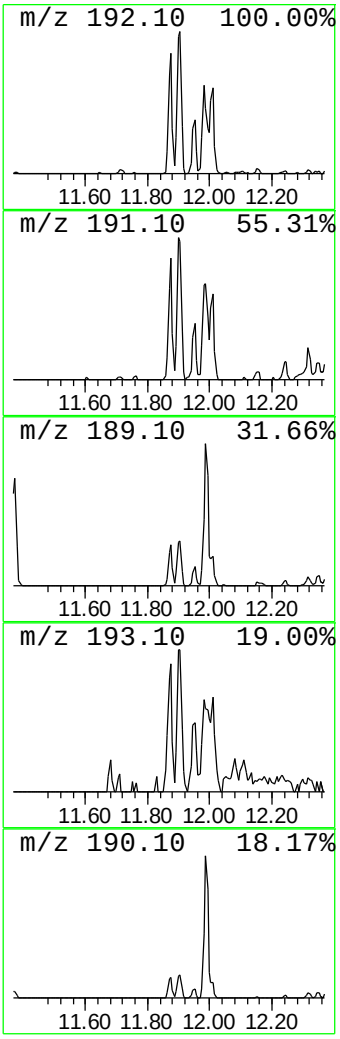
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	4.63 ng	89533	Phenanthrene-d10	11.37

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

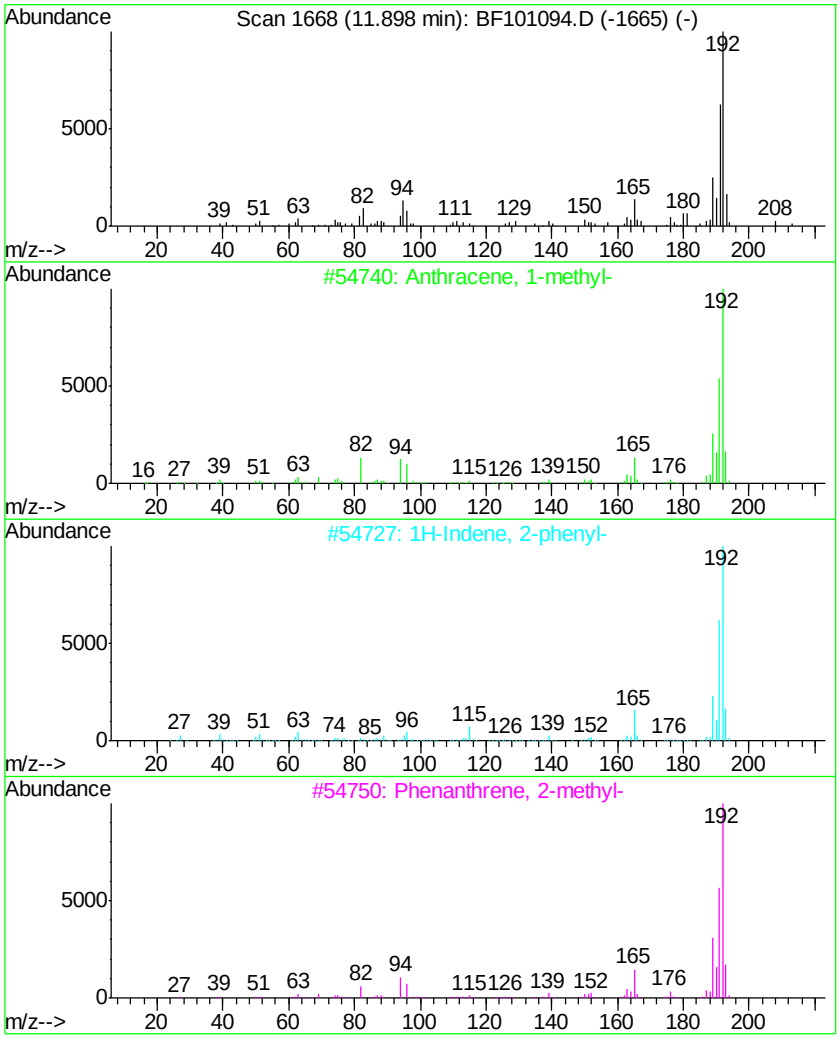
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

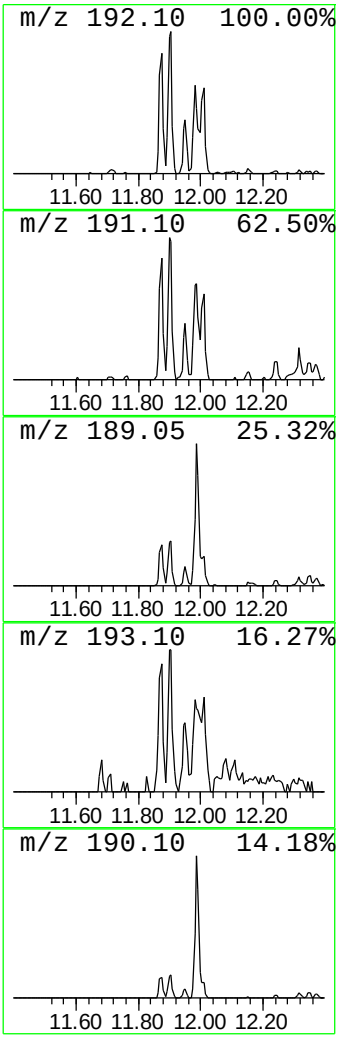
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	7.46 ng	144176	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

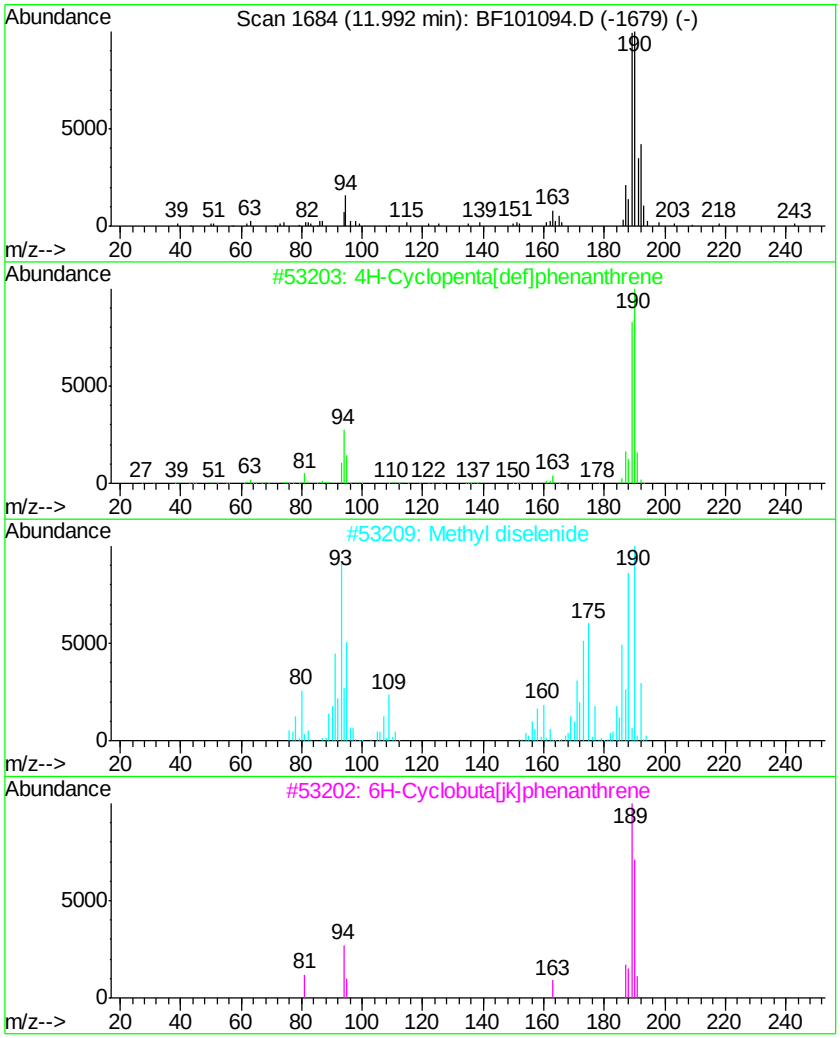
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

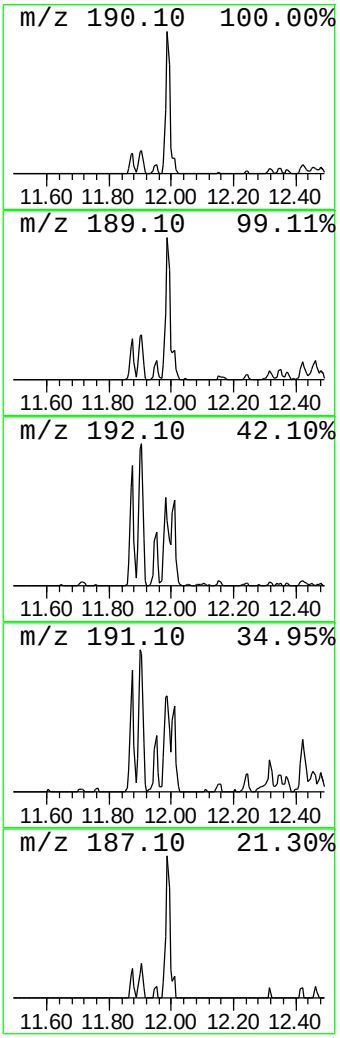
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	7.73 ng	149380	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
2	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

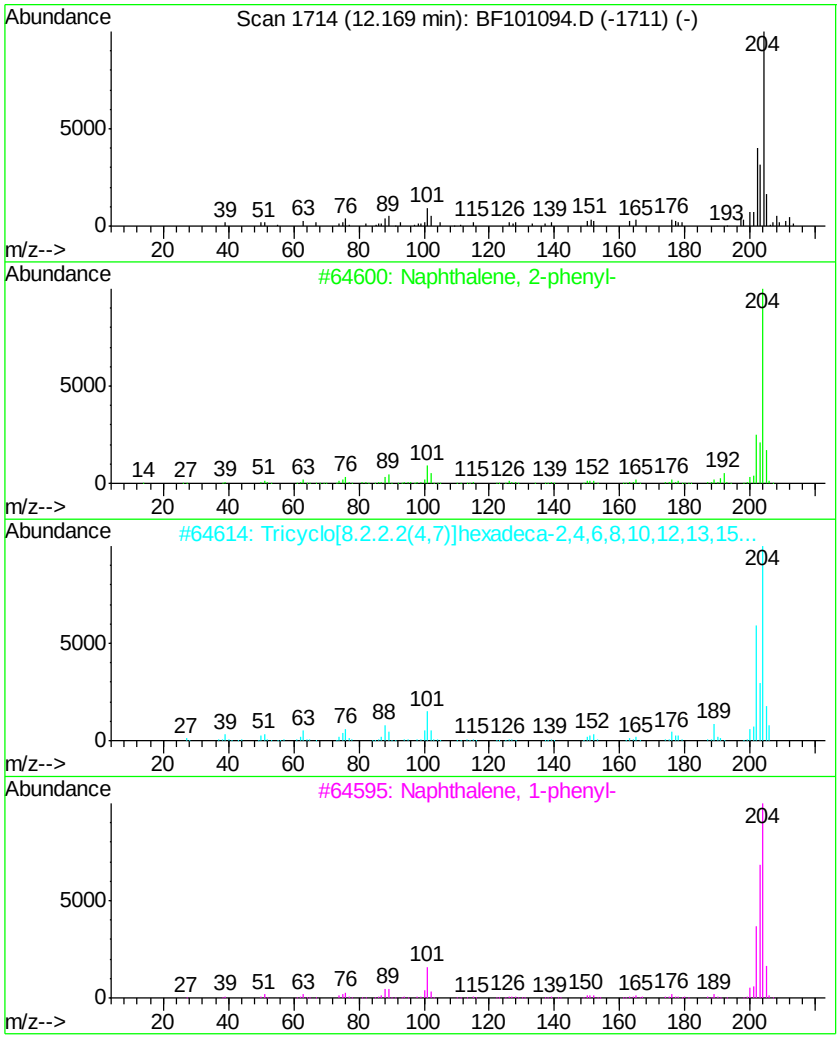
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

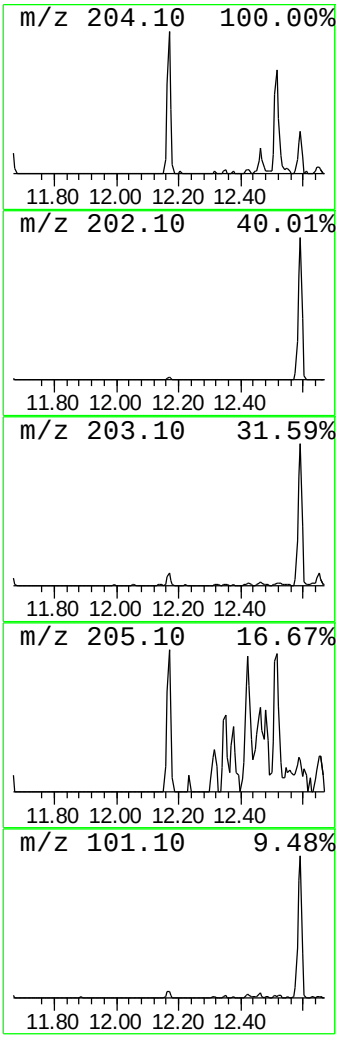
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	2.66 ng	51339	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
4	Levamisole	204	C11H12N2S	014769-73-4	47
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

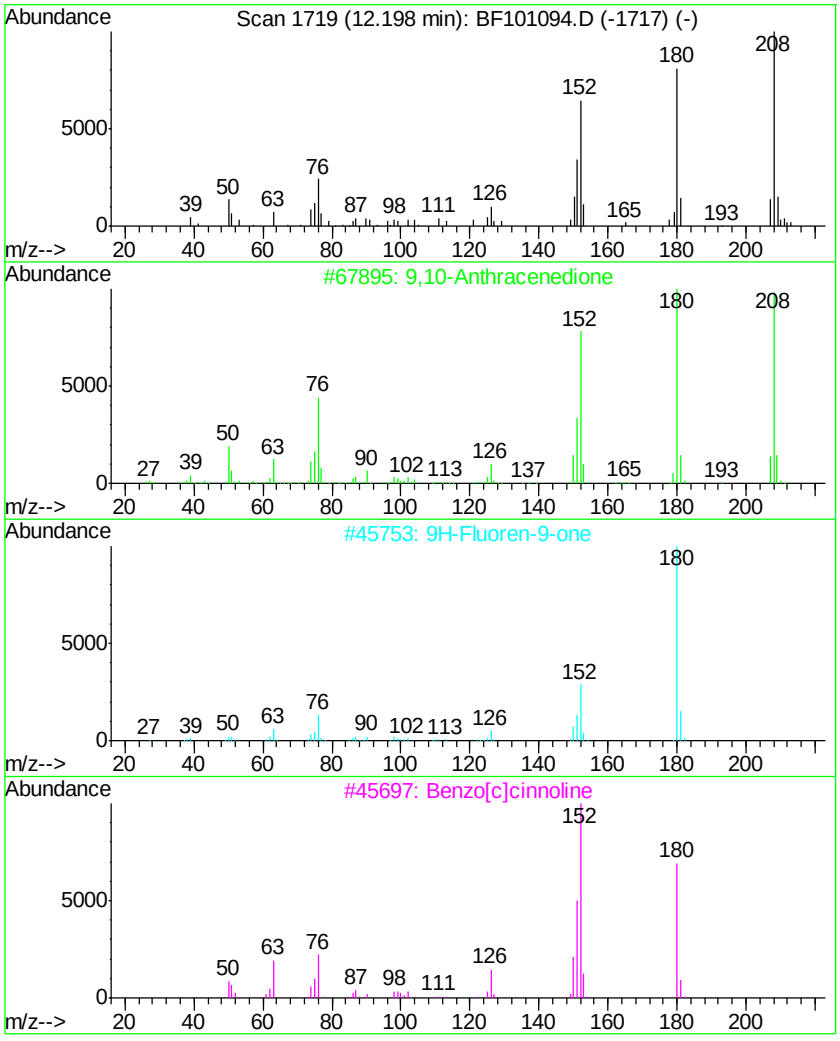
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

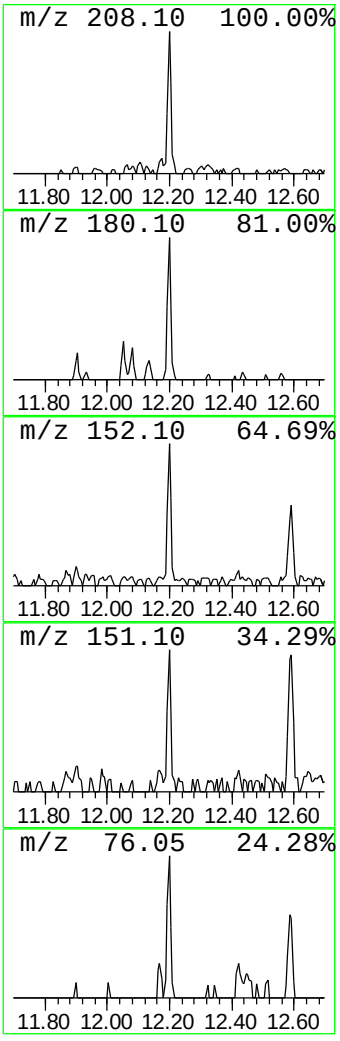
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	3.03 ng	58476	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

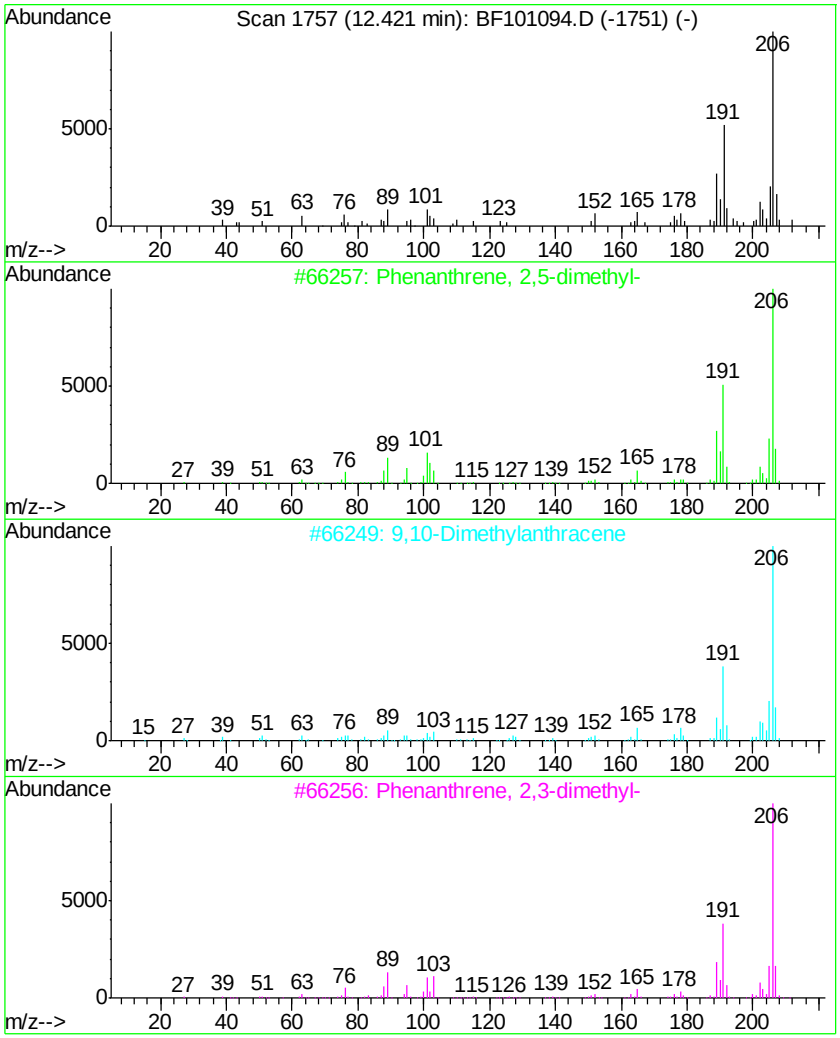
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

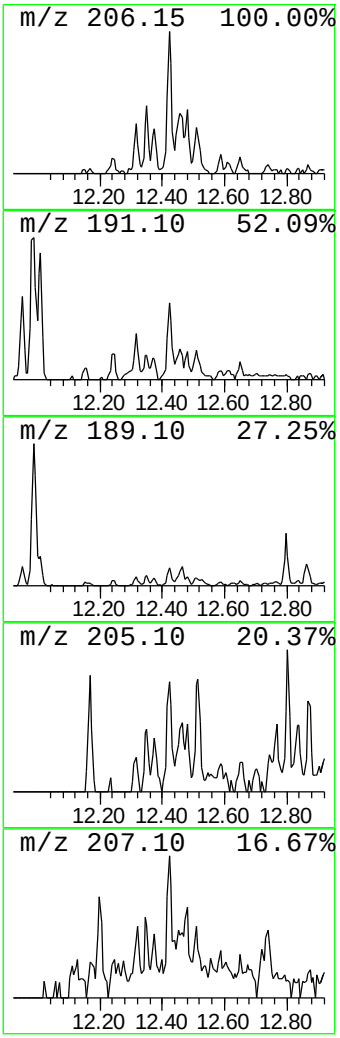
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	3.29 ng	63624	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

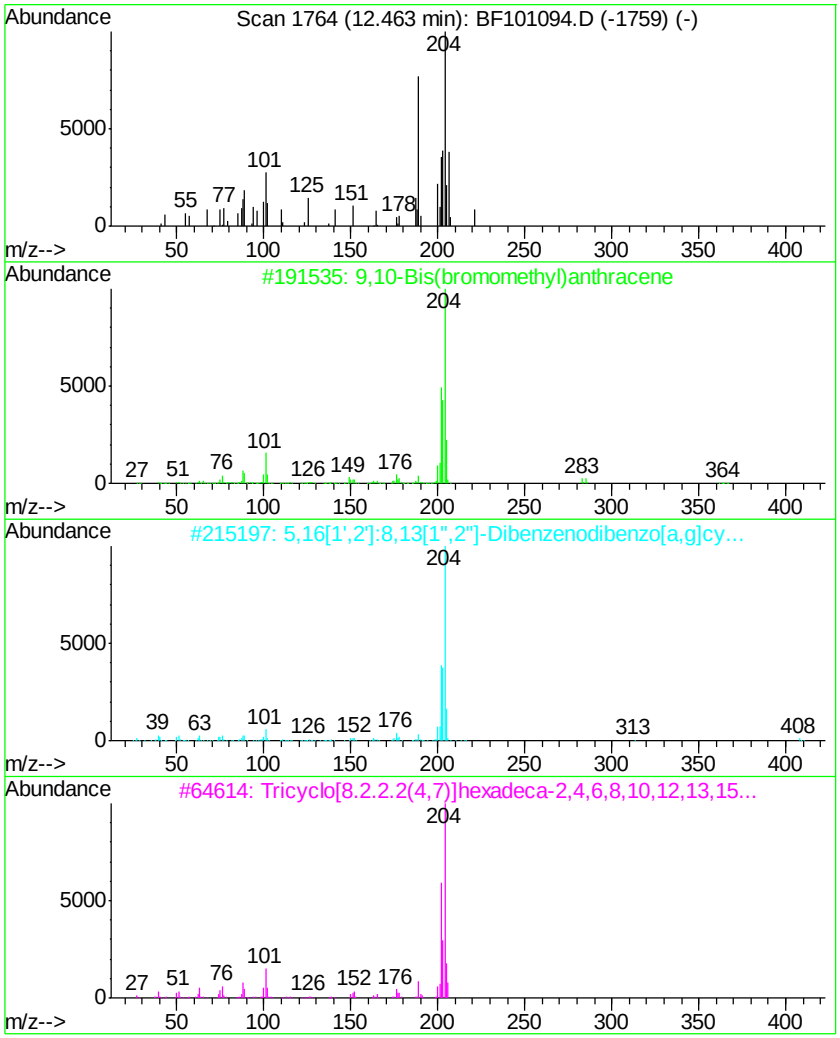
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

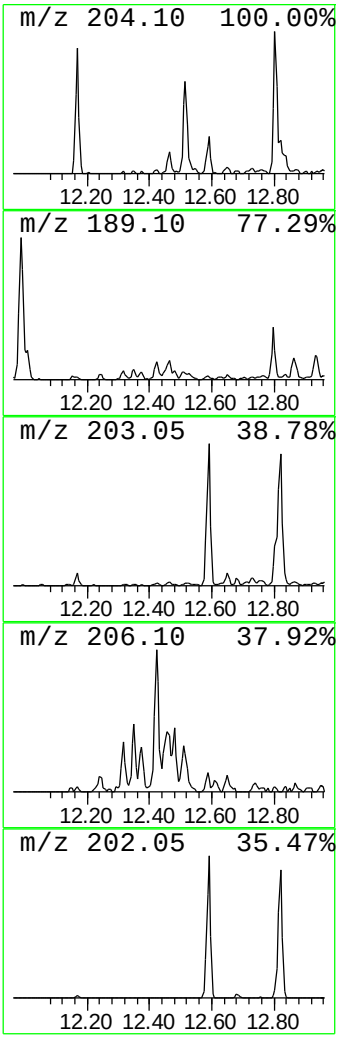
****

Peak Number 11 9,10-Bis(bromomethyl)anthra... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.82 ng	54446	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46
4	[1,1'-Biphenyl]-2-ol, 3-chloro-	204	C12H9ClO	000085-97-2	43
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

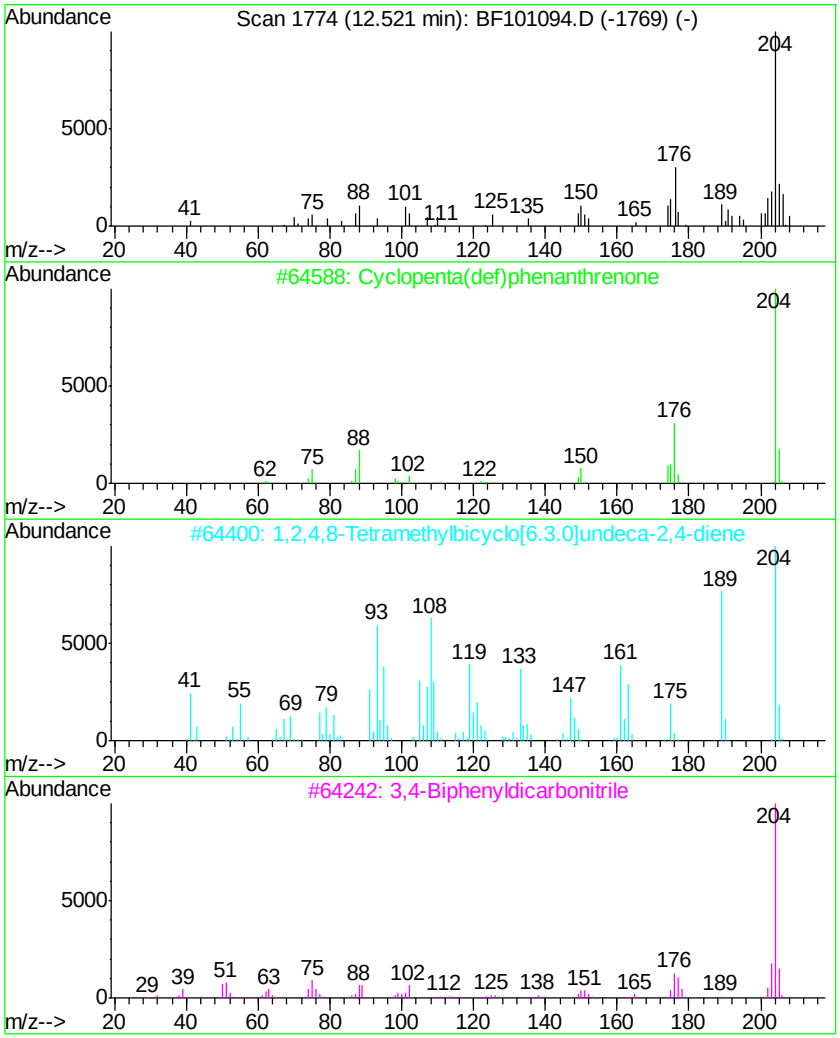
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

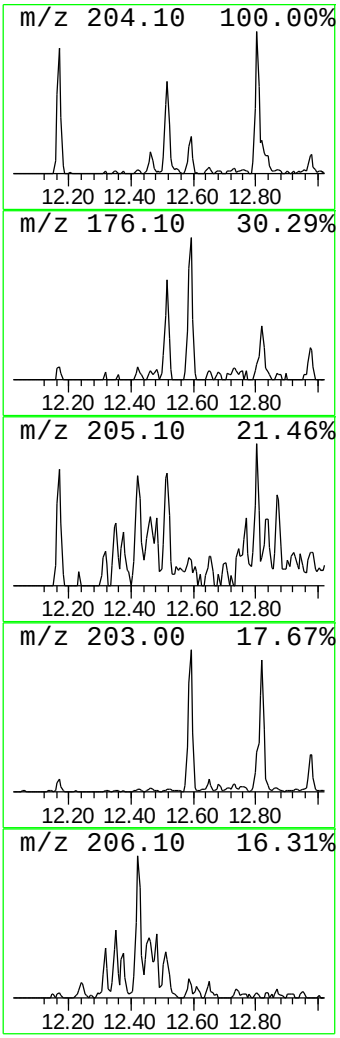
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	3.14 ng	60750	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	87
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

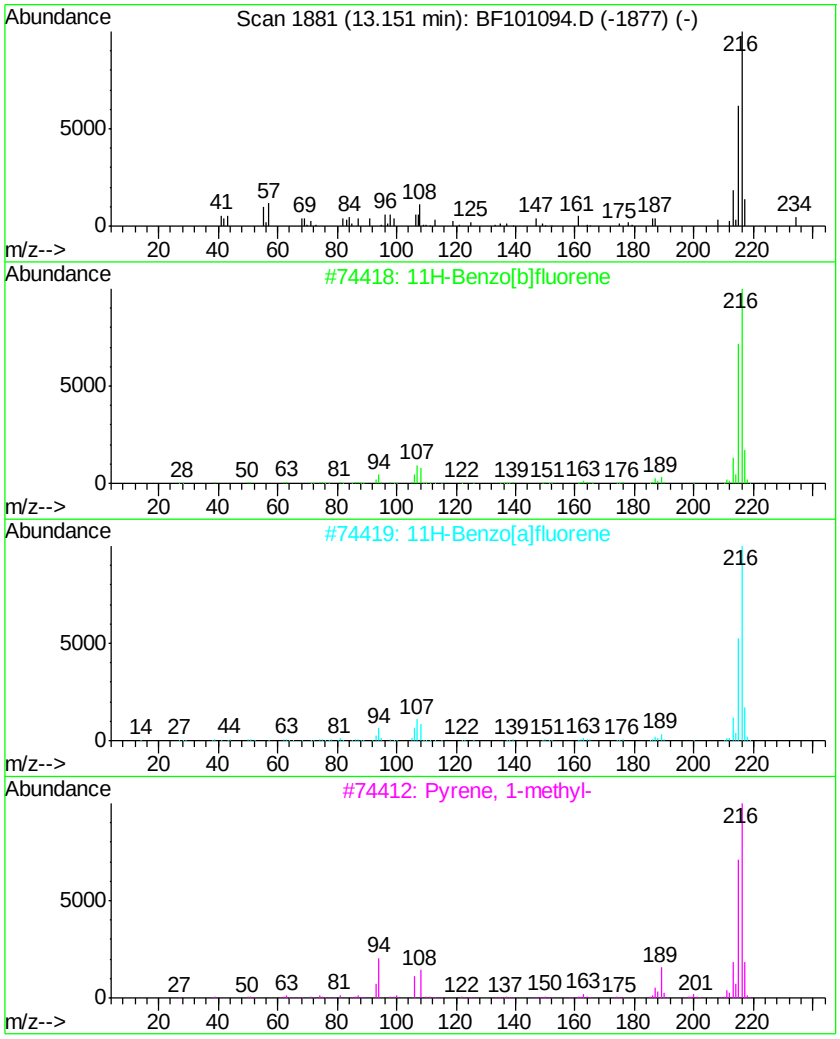
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

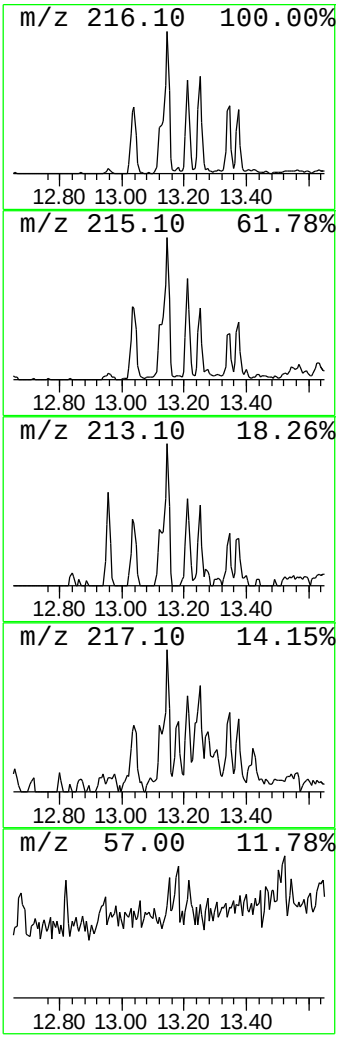
****

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.41 ng	109772	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
4	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

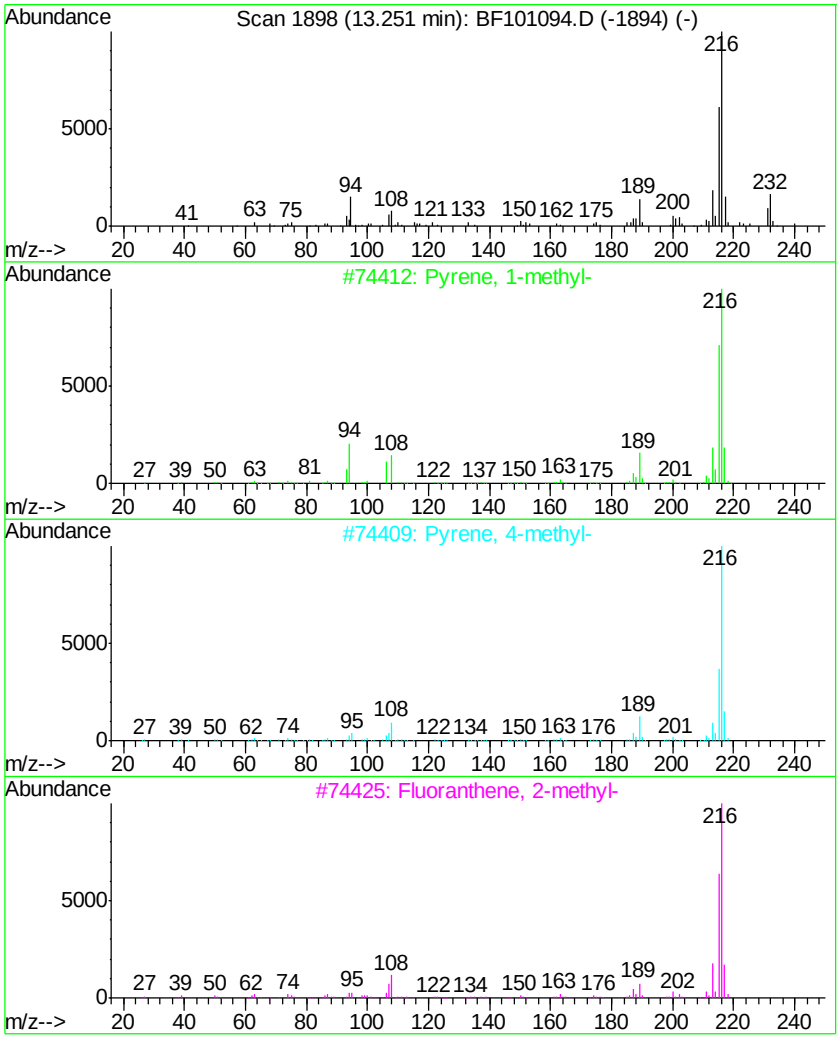
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

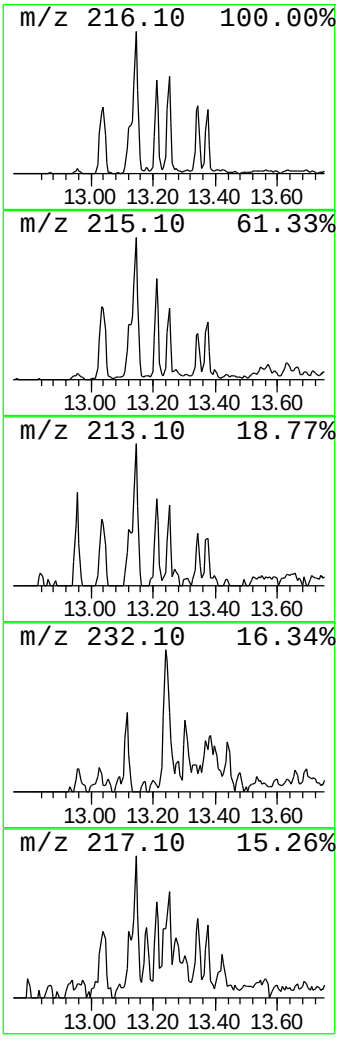
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	2.21 ng	101046	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

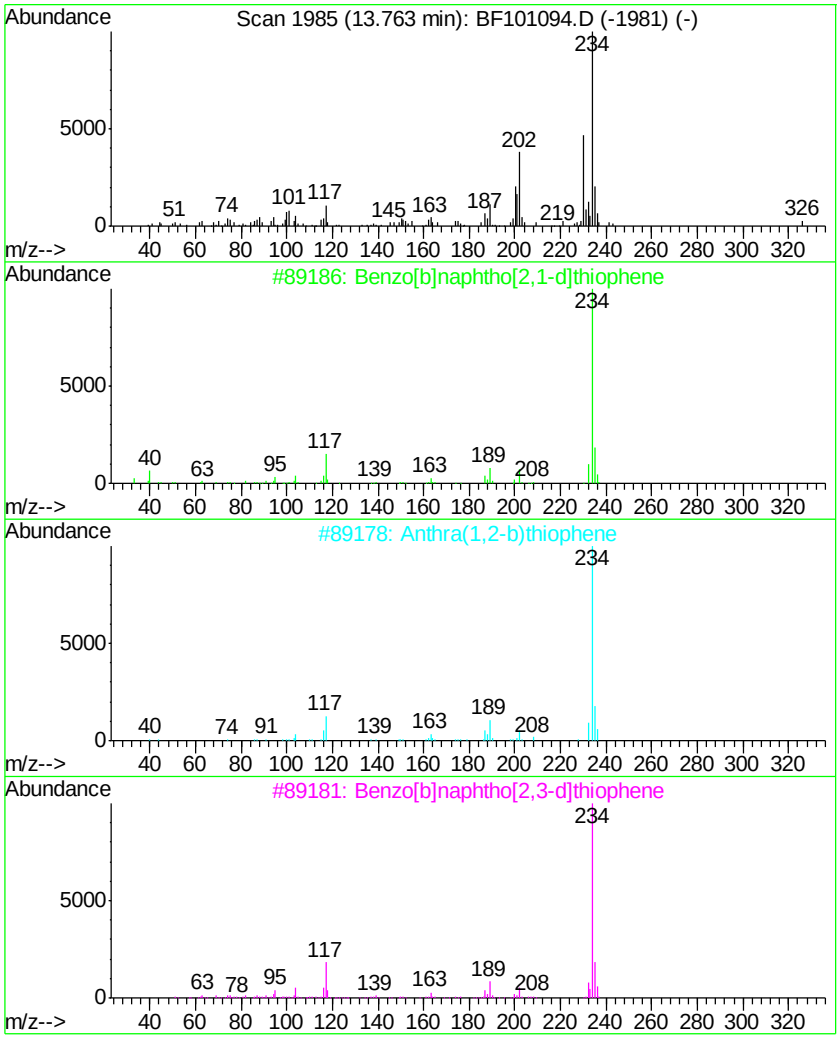
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

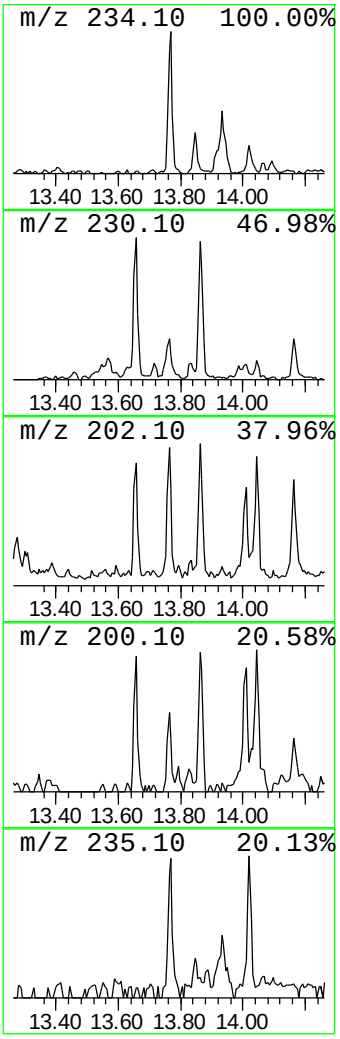
****

Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	2.57 ng	117172	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	78
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	78
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	60
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	49
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

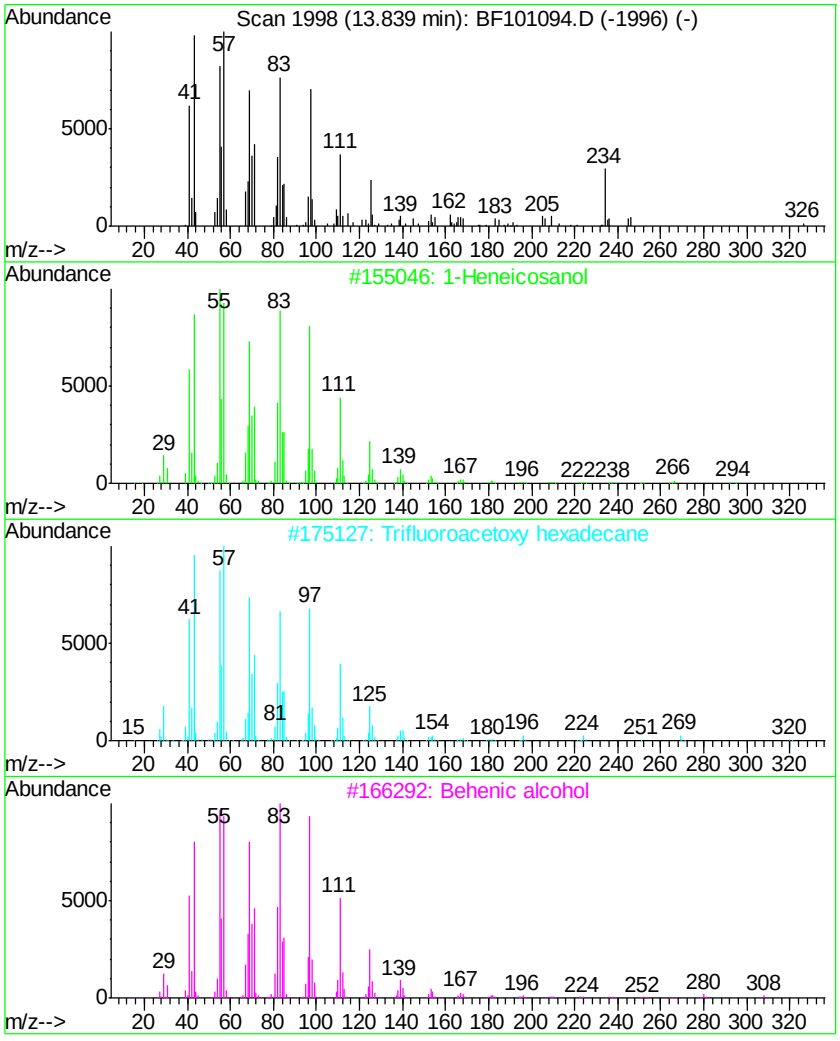
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

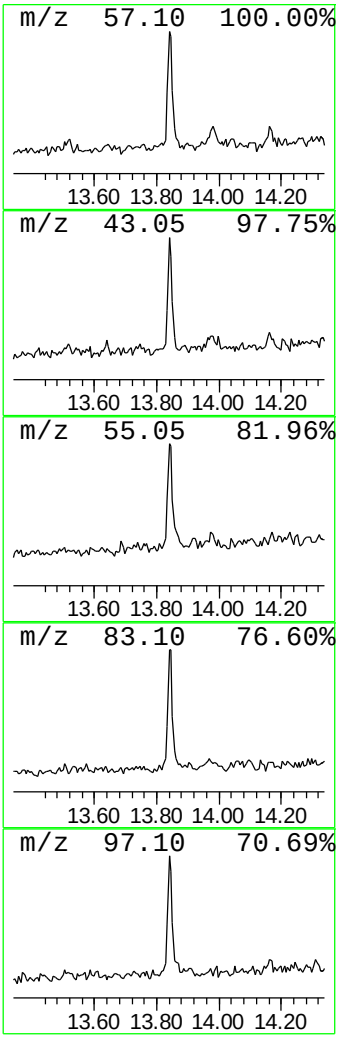
****

Peak Number 16 1-Heneicosanol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	2.88 ng	131314	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	87
3	Behenic alcohol	326	C22H46O	000661-19-8	87
4	1-Octadecanol	270	C18H38O	000112-92-5	87
5	1-Nonadecene	266	C19H38	018435-45-5	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

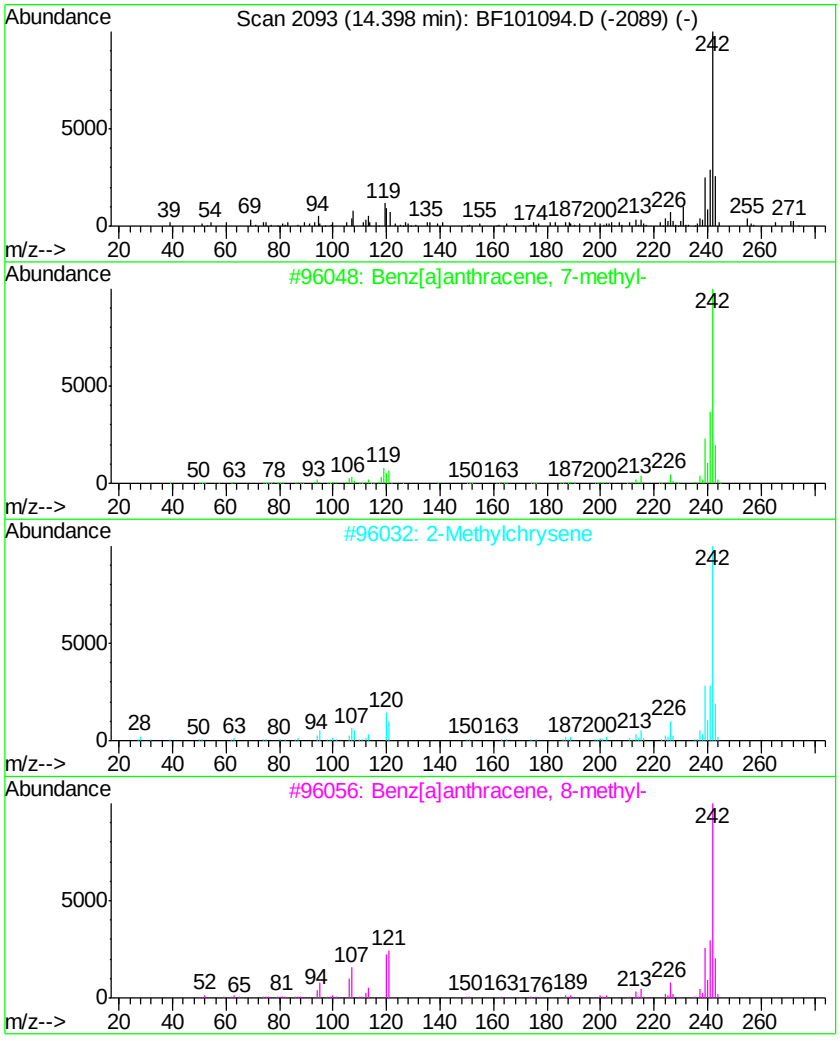
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

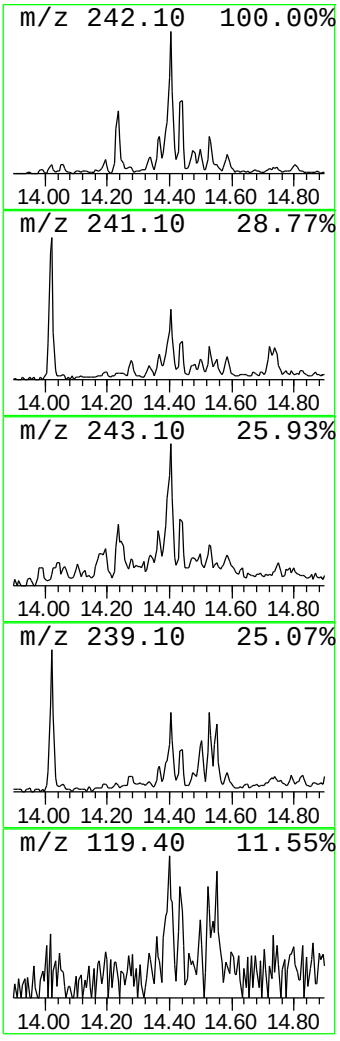
****

Peak Number 17 Benz[a]anthracene, 7-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	2.36 ng	107671	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
2	2-Methylchrysene	242	C19H14	003351-32-4	90
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
4	Benzo[c]phenanthrene, 3-methyl-	242	C19H14	002381-19-3	86
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

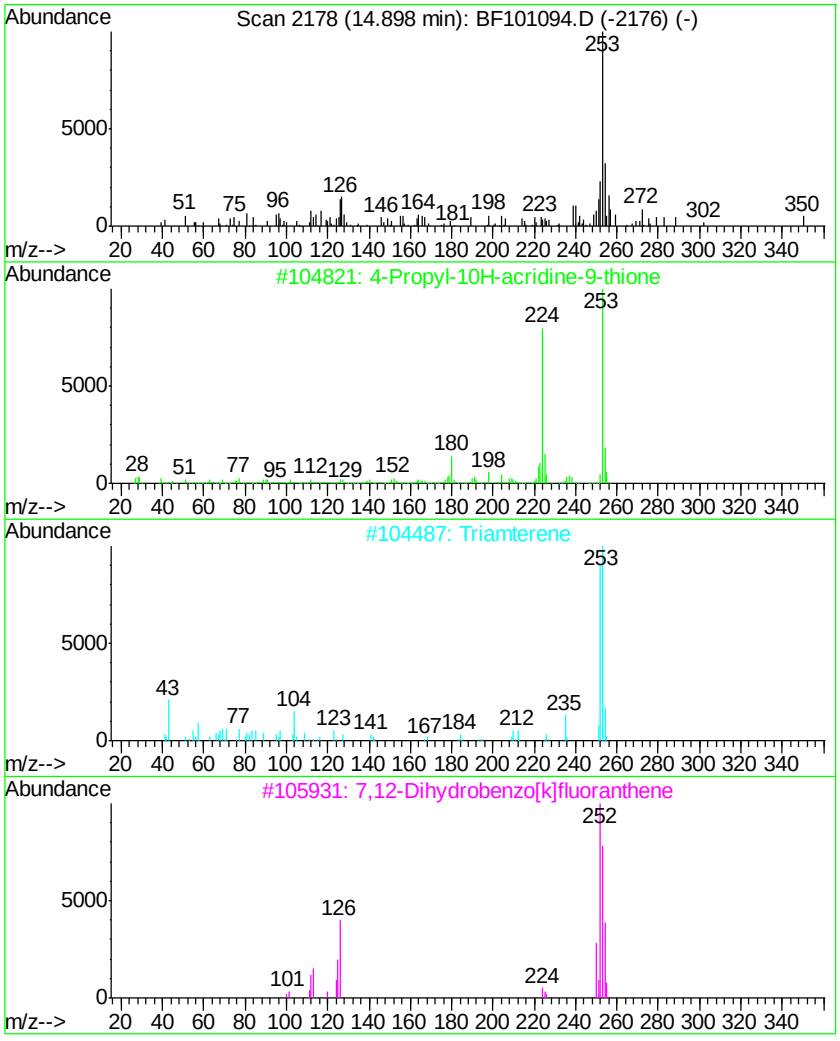
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

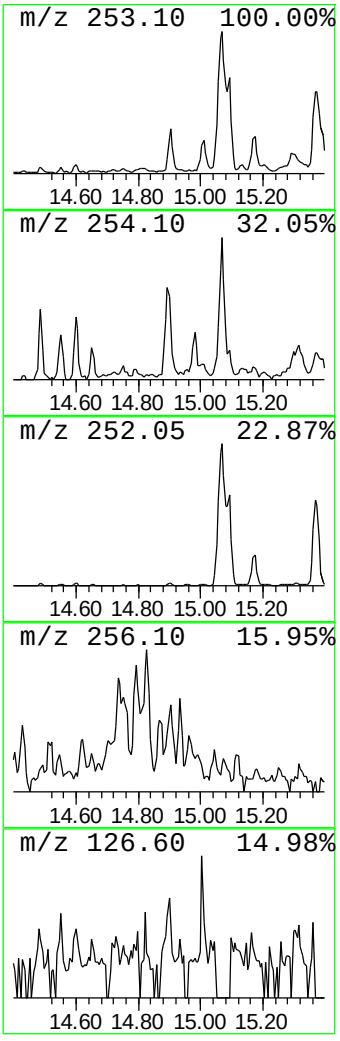
****

Peak Number 18 unknown14.90 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	4.14 ng	70159	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Propyl-10H-acridine-9-thione	253	C16H15NS	1000211-07-8	43
2	Triamterene	253	C12H11N7	000396-01-0	38
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	25
4	Silane, diphenyl(2-ethoxyethoxy)...	330	C19H26O3Si	1000367-65-8	23
5	Selenocyanic acid, p-(dipropylam...	282	C13H18N2Se	022037-09-8	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

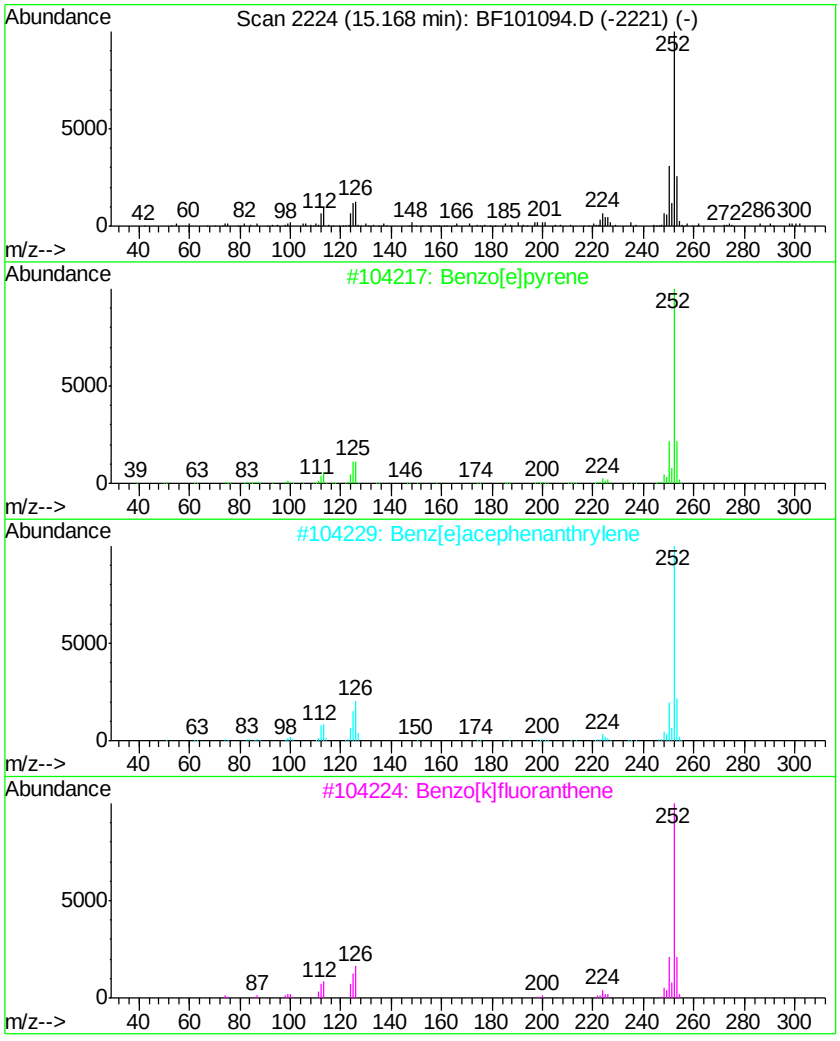
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

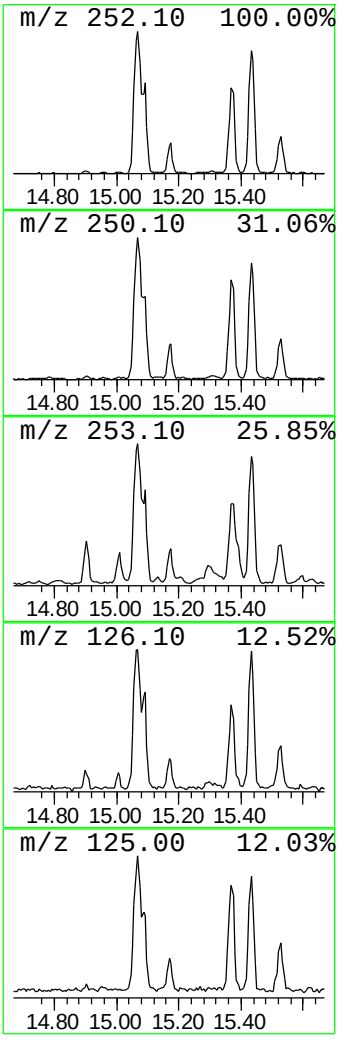
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	5.74 ng	97211	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	87
5	Perylene	252	C20H12	000198-55-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101094.D
Acq On : 4 Dec 2017 13:35
Operator : SJ/JU
Sample : I6620-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6(0-2)-20171128

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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...	5.07	4.6	ng	62241	1	6.85	273083	20.0
unknown6.62	6.62	72.9	ng	995887	1	6.85	273083	20.0
Phenanthrene, 1-m...	11.87	4.6	ng	89533	4	11.37	386378	20.0
Anthracene, 1-met...	11.90	7.5	ng	144176	4	11.37	386378	20.0
4H-Cyclopenta[def...	11.99	7.7	ng	149380	4	11.37	386378	20.0
Naphthalene, 2-ph...	12.17	2.7	ng	51339	4	11.37	386378	20.0
9,10-Anthracenedione	12.20	3.0	ng	58476	4	11.37	386378	20.0
Phenanthrene, 2,5...	12.42	3.3	ng	63624	4	11.37	386378	20.0
9,10-Bis(bromomet...	12.46	2.8	ng	54446	4	11.37	386378	20.0
Cyclopenta(def)ph...	12.52	3.1	ng	60750	4	11.37	386378	20.0
11H-Benzo[b]fluorene	13.15	2.4	ng	109772	5	14.02	912776	20.0
Pyrene, 1-methyl-	13.25	2.2	ng	101046	5	14.02	912776	20.0
Benzo[b]naphtho[2...	13.76	2.6	ng	117172	5	14.02	912776	20.0
1-Heneicosanol	13.84	2.9	ng	131314	5	14.02	912776	20.0
Benz[a]anthracene...	14.40	2.4	ng	107671	5	14.02	912776	20.0
unknown14.90	14.90	4.1	ng	70159	6	15.50	338718	20.0
Benzo[e]pyrene	15.17	5.7	ng	97211	6	15.50	338718	20.0