LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099404.D
Acq On : 12 Oct 2017 19:36
Operator : SJ/JU
Sample : I5729-05 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3E-(1-2)

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-BF092317.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	5.063	503	506	514	rBV	59814	65855	4.03%	0.329%
2	5.463	571	574	589	rVB	394204	416976	25.53%	2.085%
3	6.481	743	747	757	rBV	455827	440782	26.99%	2.205%
4	6.622	767	771	774	rBV	536826	456723	27.96%	2.284%
5	6.851	806	810	816	rBV	801261	636240	38.96%	3.182%
6	7.004	832	836	840	rBV	432892	356425	21.82%	1.783%
7	7.410	902	905	909	rBV	277773	255356	15.63%	1.277%
8	8.134	1024	1028	1031	rBV	1006728	827041	50.64%	4.136%
9	8.845	1145	1149	1155	rVB	42328	34424	2.11%	0.172%
10	8.945	1162	1166	1169	rBV	42758	34329	2.10%	0.172%
11	9.204	1206	1210	1213	rBV	577980	444608	27.22%	2.224%
12	9.475	1251	1256	1260	rBV	12704	18282	1.12%	0.091%
13	9.545	1265	1268	1270	rBV	31022	29480	1.80%	0.147%
14	9.598	1275	1277	1280	rVB	67273	46683	2.86%	0.233%
15	9.663	1283	1288	1290	rBV2	18955	17528	1.07%	0.088%
16	9.745	1299	1302	1305	rBV2	23101	21261	1.30%	0.106%
17	9.810	1308	1313	1320	rBV2	20326	26693	1.63%	0.134%
18	9.886	1320	1326	1329	rVV	916759	793265	48.57%	3.967%
19	9.922	1329	1332	1335	rVB	133188	121456	7.44%	0.607%
20	10.092	1357	1361	1364	rBV	99325	82319	5.04%	0.412%
21	10.292	1389	1395	1396	rBV3	20443	23733	1.45%	0.119%
22	10.304	1396	1397	1400	rVB2	28347	20447	1.25%	0.102%
23	10.433	1415	1419	1424	rBV	148658	132386	8.11%	0.662%
24	10.592	1443	1446	1450	rVB2	39328	39540	2.42%	0.198%
25	10.675	1457	1460	1466	rBV	251764	229405	14.05%	1.147%
26	10.792	1474	1480	1488	rVB4	46812	76959	4.71%	0.385%
27	10.980	1510	1512	1515	rVB3	21791	19164	1.17%	0.096%
28	11.110	1528	1534	1536	rBV4	23243	36995	2.27%	0.185%
29	11.133	1536	1538	1543	rVV2	25080	31628	1.94%	0.158%
30	11.180	1543	1546	1550	rVV	75432	71806	4.40%	0.359%
31	11.227	1550	1554	1557	rVV3	59799	79514	4.87%	0.398%
32	11.269	1557	1561	1566	rVB2	66884	77499	4.75%	0.388%
33	11.374	1575	1579	1581	rBV	775307	672500	41.18%	3.363%
34	11.398	1581	1583	1587	rVV	1118314	902140	55.24%	4.512%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099404.D
Acq On : 12 Oct 2017 19:36
Operator : SJ/JU
Sample : I5729-05 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3E-(1-2)

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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.451	1587	1592	1595	rVV	240960	219181	13.42%	1.096%
36	11.486	1595	1598	1602	rVB2	25387	26756	1.64%	0.134%
37	11.604	1614	1618	1623	rBV2	114046	136911	8.38%	0.685%
38	11.669	1627	1629	1633	rVV3	27189	25486	1.56%	0.127%
39	11.704	1633	1635	1640	rVB4	27980	31763	1.94%	0.159%
40	11.874	1661	1664	1666	rBV	99962	79910	4.89%	0.400%
41	11.904	1666	1669	1672	rVB	157274	133813	8.19%	0.669%
42	11.951	1672	1677	1680	rBV	56934	53218	3.26%	0.266%
43	11.986	1680	1683	1686	rBV	216760	237606	14.55%	1.188%
44	12.010	1686	1687	1692	rVB	81116	46301	2.83%	0.232%
45	12.057	1692	1695	1697	rBV2	30877	27143	1.66%	0.136%
46	12.110	1701	1704	1707	rBV3	18926	21056	1.29%	0.105%
47	12.169	1711	1714	1716	rVV	115471	92218	5.65%	0.461%
48	12.198	1716	1719	1725	rVB	94022	93191	5.71%	0.466%
49	12.351	1742	1745	1747	rVB	29031	20217	1.24%	0.101%
50	12.374	1747	1749	1752	rVB	40649	29067	1.78%	0.145%
51	12.421	1754	1757	1760	rBV	74446	77254	4.73%	0.386%
52	12.451	1760	1762	1766	rVV4	26013	36210	2.22%	0.181%
53	12.486	1766	1768	1770	rVV2	28800	31603	1.93%	0.158%
54	12.516	1770	1773	1776	rVB2	104382	96681	5.92%	0.484%
55	12.551	1776	1779	1781	rVB4	22487	19349	1.18%	0.097%
56	12.592	1782	1786	1789	rBV	1633940	1413416	86.54%	7.069%
57	12.651	1794	1796	1799	rBV	39599	30377	1.86%	0.152%
58	12.680	1799	1801	1803	rVB2	31651	25032	1.53%	0.125%
59	12.739	1805	1811	1813	rBV3	62104	79855	4.89%	0.399%
60	12.769	1813	1816	1818	rVB4	21505	21544	1.32%	0.108%
61	12.821	1818	1825	1828	rBV	1535840	1633248	100.00%	8.169%
62	12.868	1830	1833	1836	rVB2	73274	70640	4.33%	0.353%
63	12.951	1840	1847	1850	rBV2	376513	443769	27.17%	2.219%
64	12.974	1850	1851	1855	rVB	106307	95098	5.82%	0.476%
65	13.027	1856	1860	1864	rBV3	81360	145036	8.88%	0.725%
66	13.068	1864	1867	1869	rVB2	29155	27860	1.71%	0.139%
67	13.121	1872	1876	1877	rBV2	77167	85491	5.23%	0.428%
68	13.145	1877	1880	1883	rVB	185777	179663	11.00%	0.899%
69	13.174	1883	1885	1888	rBV3	35084	30216	1.85%	0.151%
70	13.210	1888	1891	1894	rBV	144756	118977	7.28%	0.595%
71	13.251	1894	1898	1900	rVV2	104916	124115	7.60%	0.621%

LSC Area Percent Report

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Acq On : 12 Oct 2017 19:36
Operator : SJ/JU
Sample : I5729-05 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3E-(1-2)

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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.274	1900	1902	1904	rVB	42629	35650	2.18%	0.178%
73	13.339	1909	1913	1916	rBV	56444	63892	3.91%	0.320%
74	13.374	1916	1919	1921	rBV	70549	69068	4.23%	0.345%
75	13.457	1931	1933	1937	rVB4	31565	27168	1.66%	0.136%
76	13.568	1950	1952	1954	rVB2	42089	34117	2.09%	0.171%
77	13.627	1959	1962	1964	rBV2	28320	30110	1.84%	0.151%
78	13.657	1964	1967	1971	rVB	138034	125514	7.68%	0.628%
79	13.763	1981	1985	1988	rBV	148946	179383	10.98%	0.897%
80	13.792	1988	1990	1992	rVV	128184	109145	6.68%	0.546%
81	13.816	1992	1994	1996	rVV	118202	130677	8.00%	0.654%
82	13.863	2000	2002	2005	rVB	123872	107049	6.55%	0.535%
83	14.015	2023	2028	2031	rBV2	935041	1353105	82.85%	6.767%
84	14.045	2031	2033	2040	rVB	706402	593370	36.33%	2.968%
85	14.121	2044	2046	2049	rBV	125345	96903	5.93%	0.485%
86	14.210	2059	2061	2063	rVB	51470	34415	2.11%	0.172%
87	14.245	2063	2067	2070	rVB2	74923	91490	5.60%	0.458%
88	14.363	2085	2087	2089	rBV2	40604	30813	1.89%	0.154%
89	14.398	2091	2093	2096	rVB	90643	79839	4.89%	0.399%
90	14.433	2097	2099	2102	rBV2	52812	42802	2.62%	0.214%
91	14.545	2116	2118	2121	rVB2	59233	52780	3.23%	0.264%
92	14.715	2145	2147	2149	rBV	40618	34061	2.09%	0.170%
93	15.057	2201	2205	2208	rBV	502401	749567	45.89%	3.749%
94	15.168	2221	2224	2230	rBV	71191	85863	5.26%	0.429%
95	15.362	2253	2257	2263	rVB	306983	398375	24.39%	1.992%
96	15.427	2263	2268	2273	rVV	406321	489539	29.97%	2.448%
97	15.486	2273	2278	2282	rVV	405805	577851	35.38%	2.890%
98	15.521	2282	2284	2292	rVB	127910	161557	9.89%	0.808%
99	16.968	2524	2530	2540	rVB	170053	352733	21.60%	1.764%
100	17.421	2601	2607	2615	rVB	124454	258828	15.85%	1.295%

Sum of corrected areas: 19994377

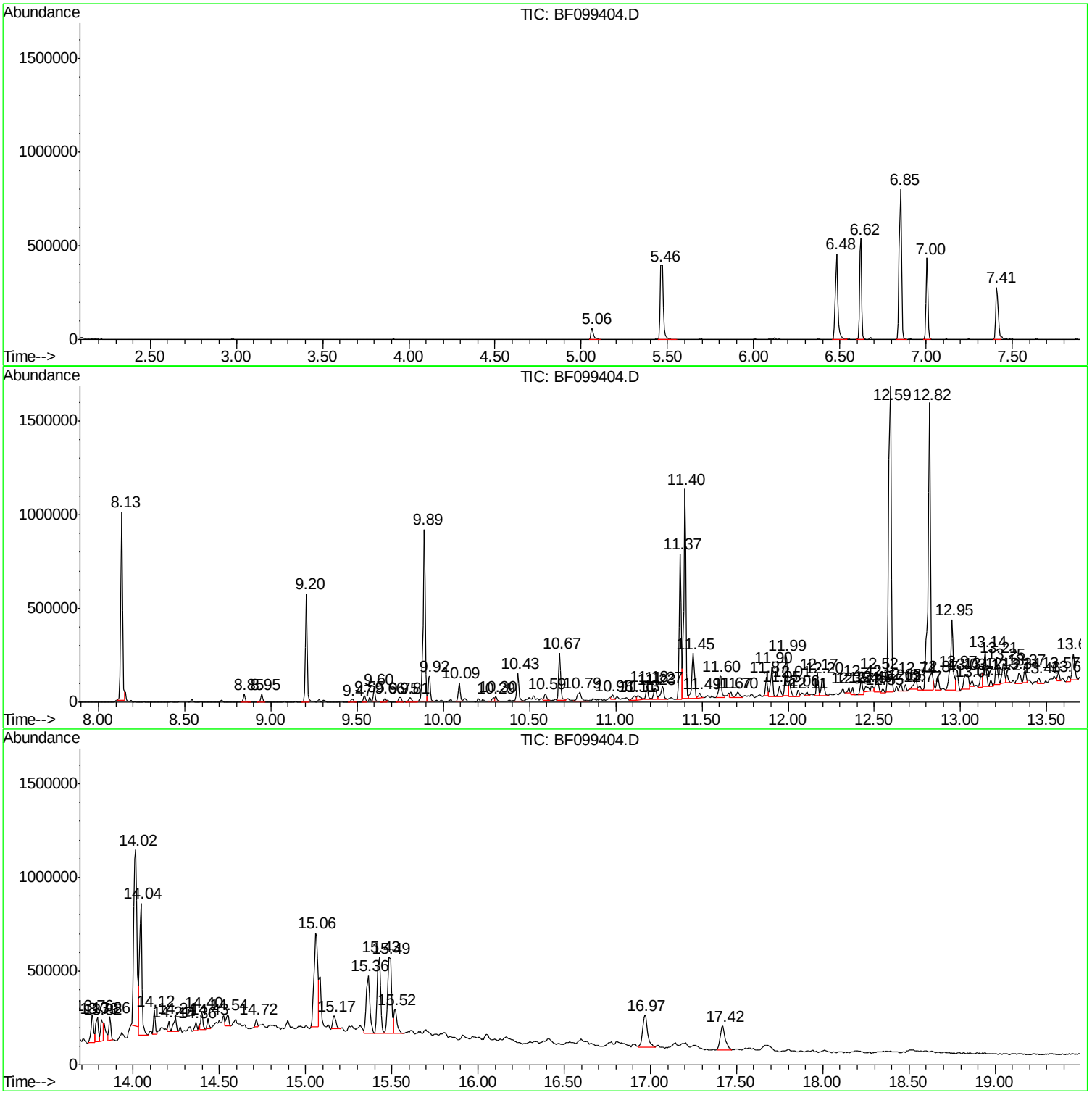
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099404.D
Acq On : 12 Oct 2017 19:36
Operator : SJ/JU
Sample : I5729-05 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099404.D
Acq On : 12 Oct 2017 19:36
Operator : SJ/JU
Sample : I5729-05 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

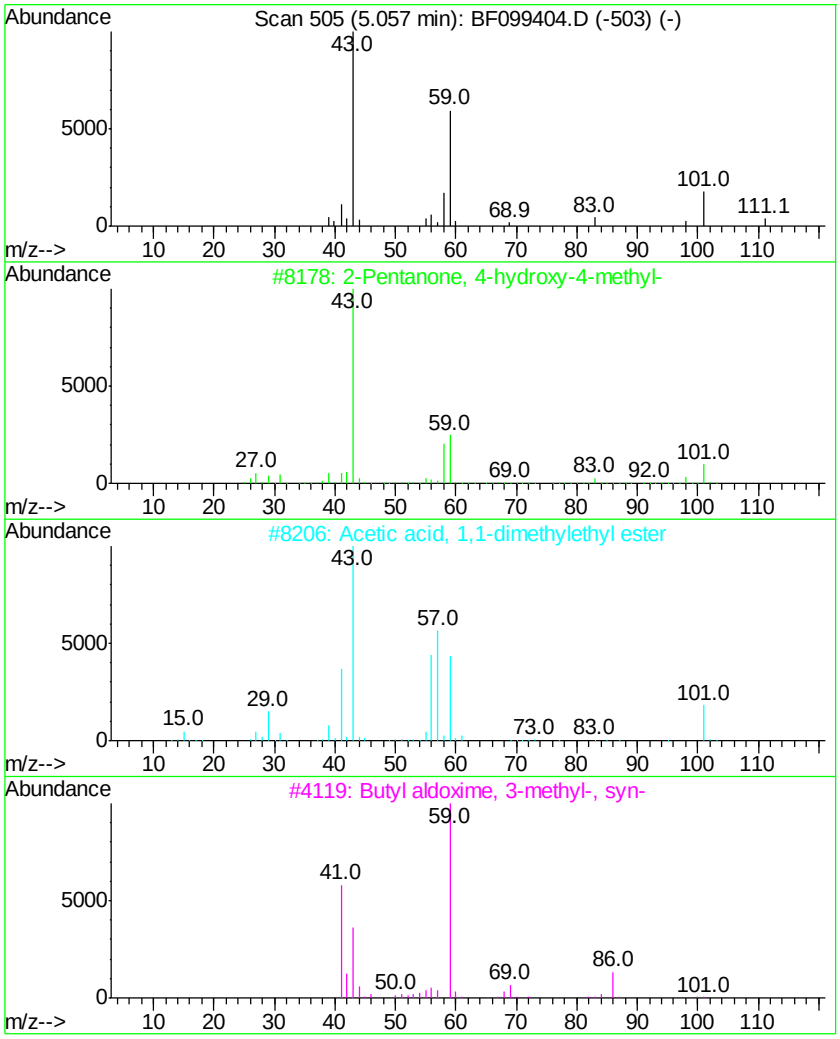
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

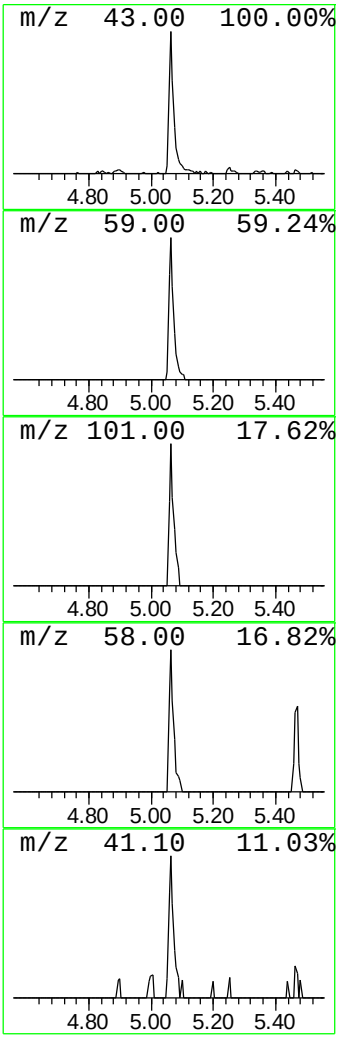
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	2.07 ng	65855	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	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	40
3	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	23
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	2-Propyn-1-ol, acetate	98	C5H6O2	000627-09-8	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099404.D
Acq On : 12 Oct 2017 19:36
Operator : SJ/JU
Sample : I5729-05 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

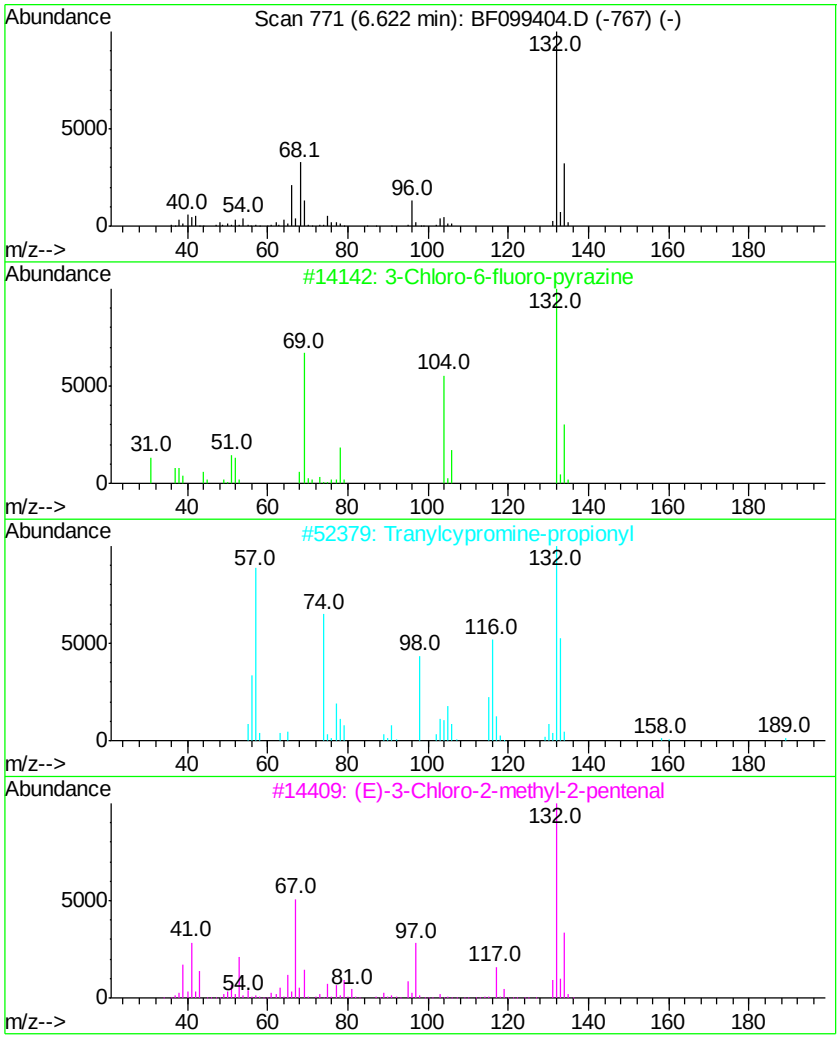
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

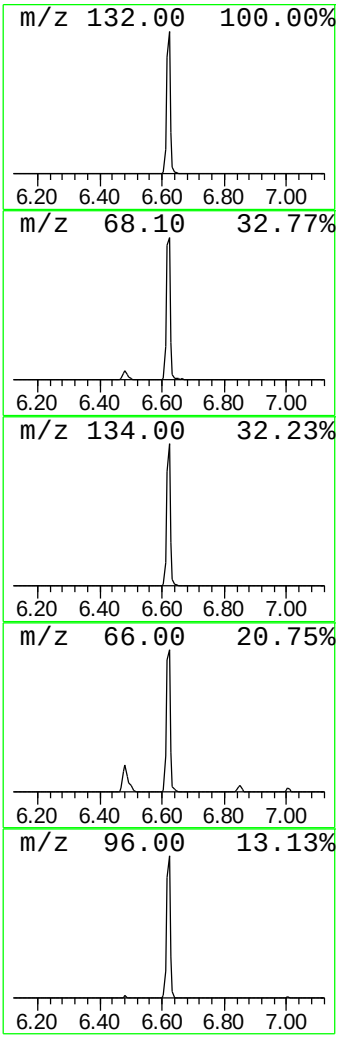
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	14.36 ng	456723	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	25
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Xenon	132	Xe	007440-63-3	9





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099404.D
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Instrument : BNA_F
ClientSampleId : 3E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

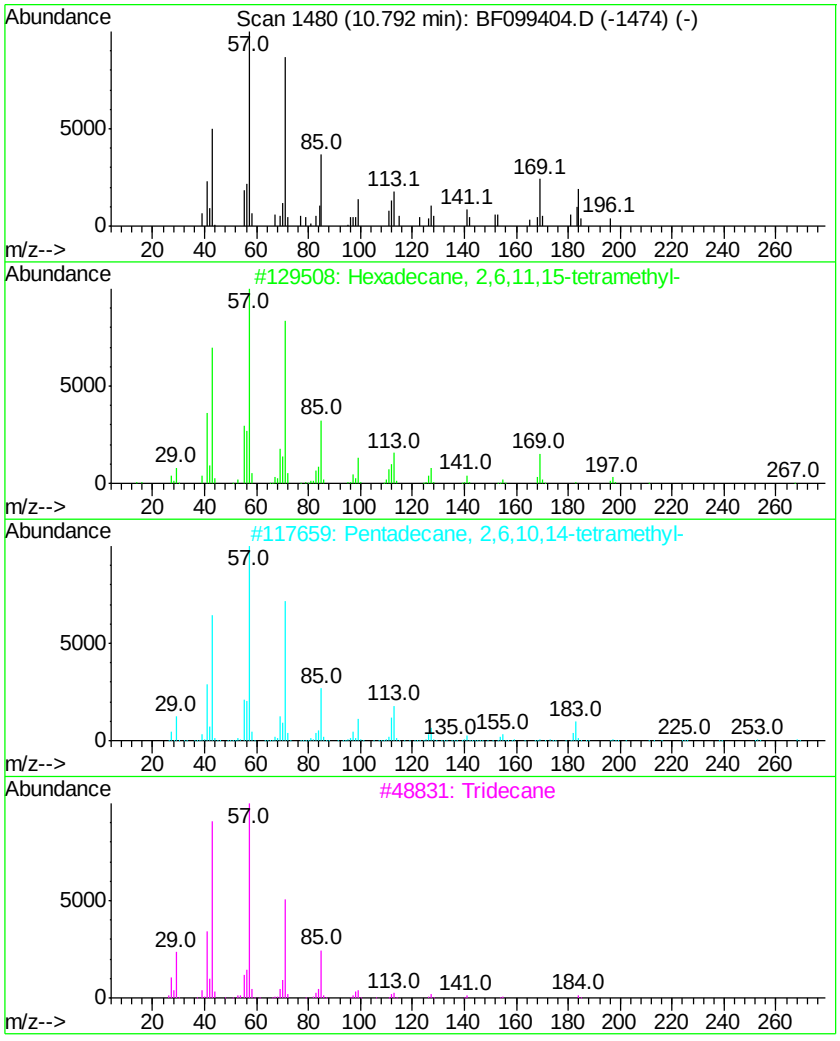
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

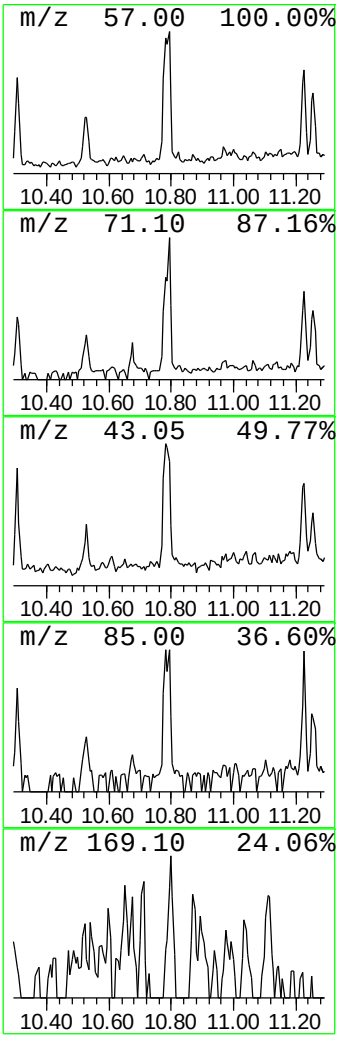
****

Peak Number 4 Hexadecane, 2,6,11,15-tetra... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	2.29 ng	76959	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	74
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	68
3	Tridecane	184	C13H28	000629-50-5	58
4	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	50
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	50





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
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Sample : I5729-05 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

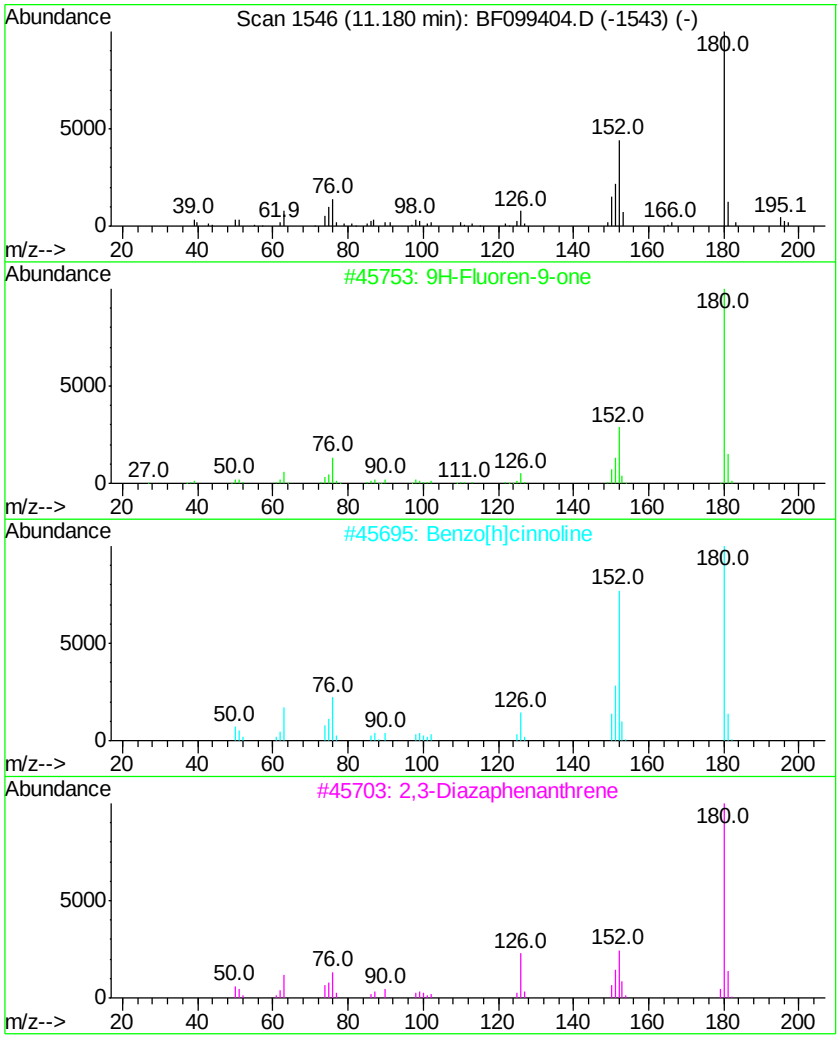
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

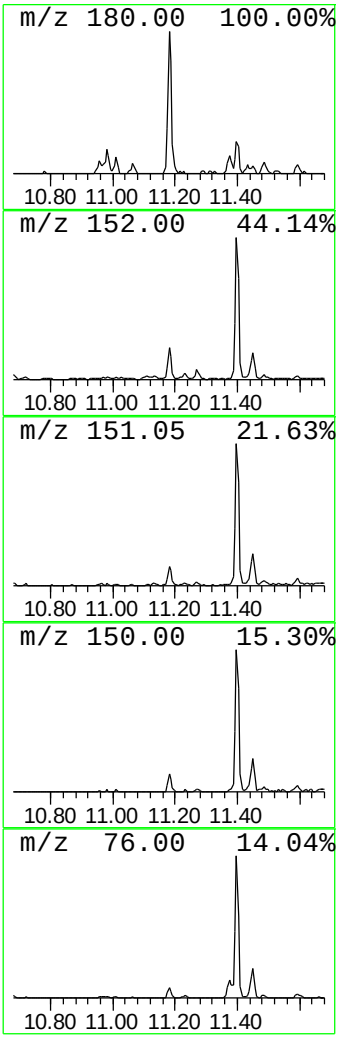
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	2.14 ng	71806	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	59
4	4-Acetyl-1-naphthonitrile	195	C13H9NO	029139-00-2	59
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099404.D
Acq On : 12 Oct 2017 19:36
Operator : SJ/JU
Sample : I5729-05 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

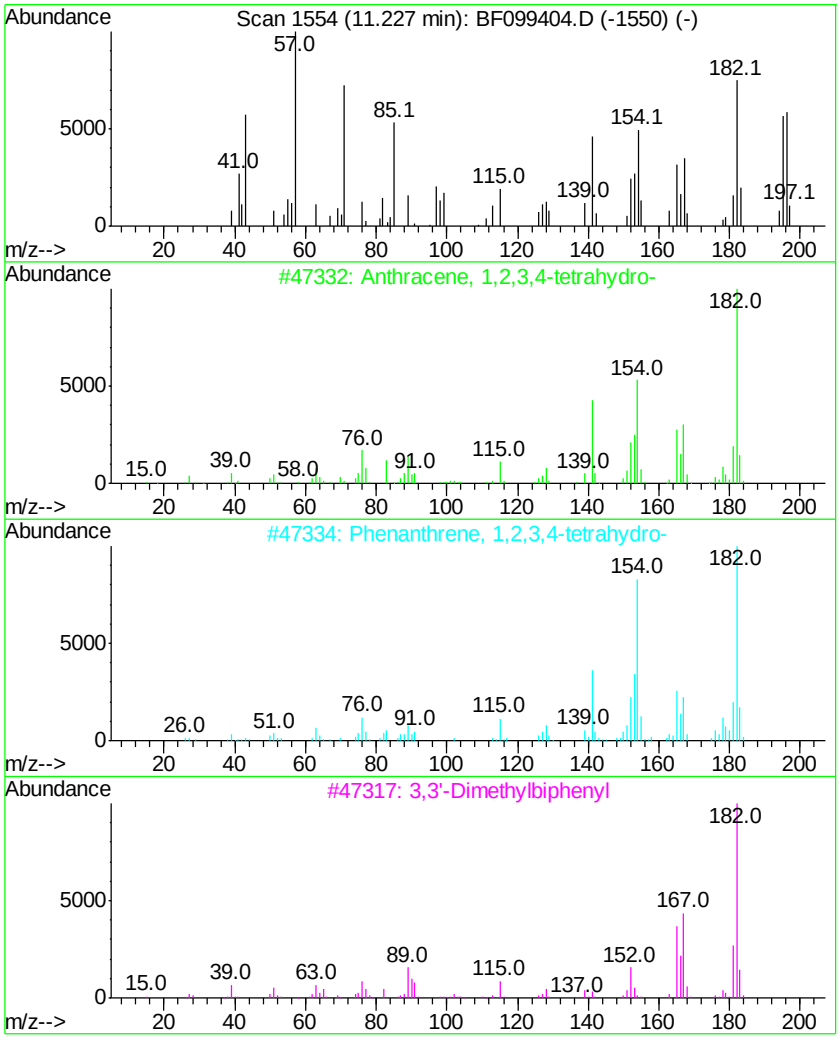
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

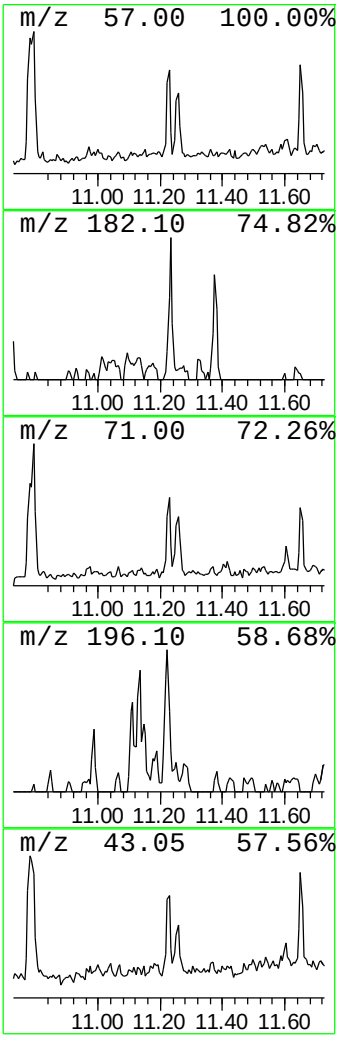
****

Peak Number 6 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	2.36 ng	79514	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	92
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	50
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	38
4	7-Phenylbicyclo[3.2.1]octa-2,6-d...	182	C14H14	1000201-01-7	38
5	Bicyclo[3.2.1]octa-2,6-diene, 2-...	182	C14H14	101166-08-9	30





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Operator : SJ/JU
Sample : I5729-05 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 3E-(1-2)

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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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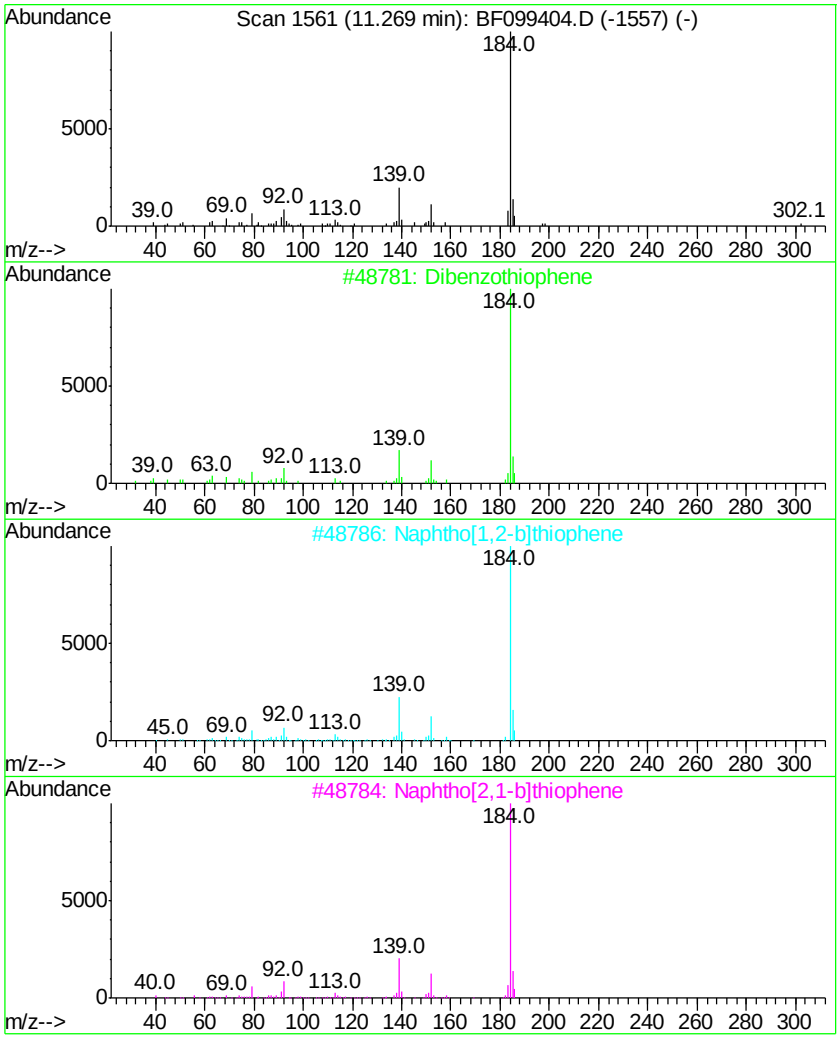
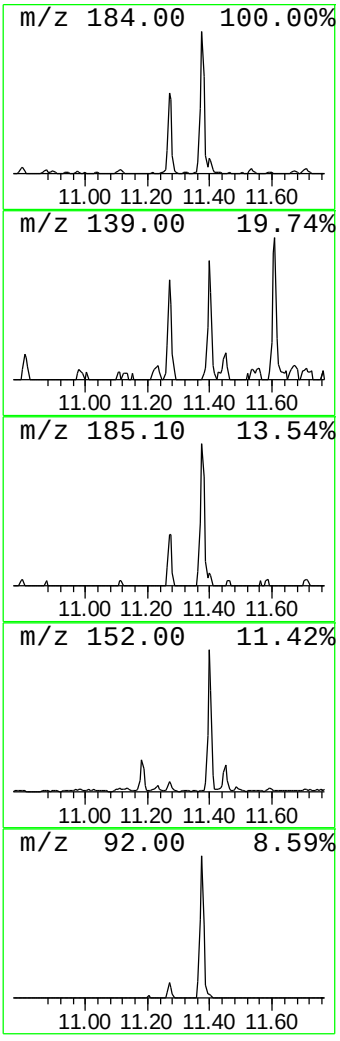
Peak Number 7 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	2.30 ng	77499	Phenanthrene-d10	11.37

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	96
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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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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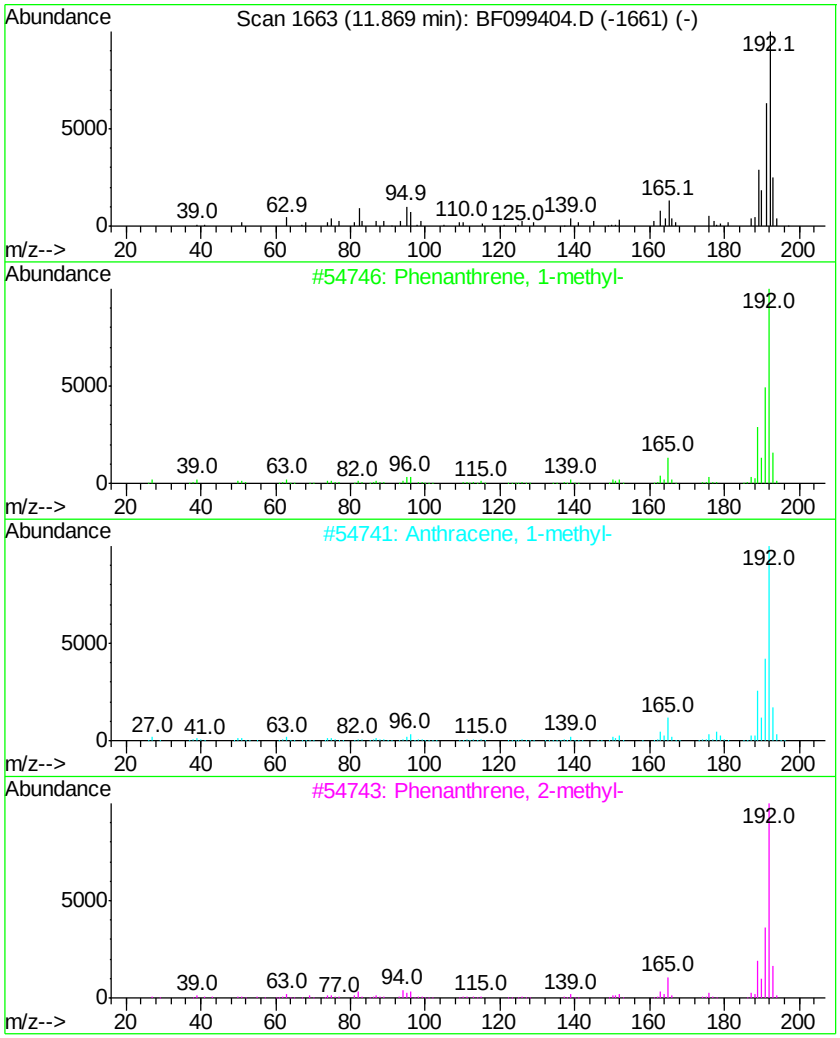
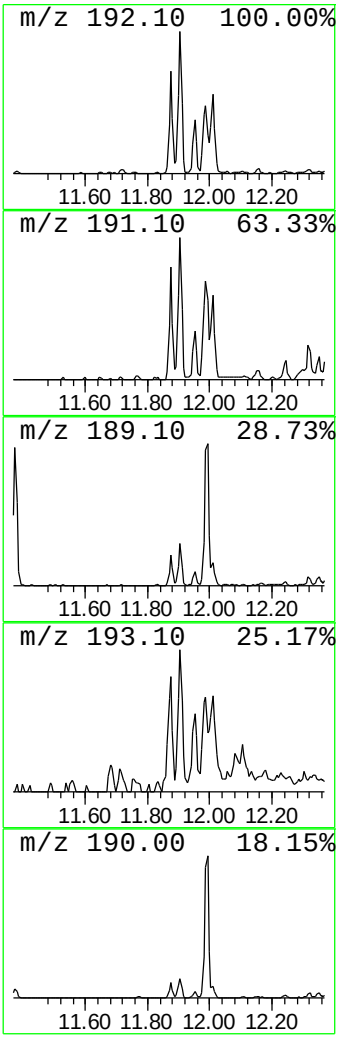
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.38 ng	79910	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Instrument : BNA_F
ClientSampleId : 3E-(1-2)

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

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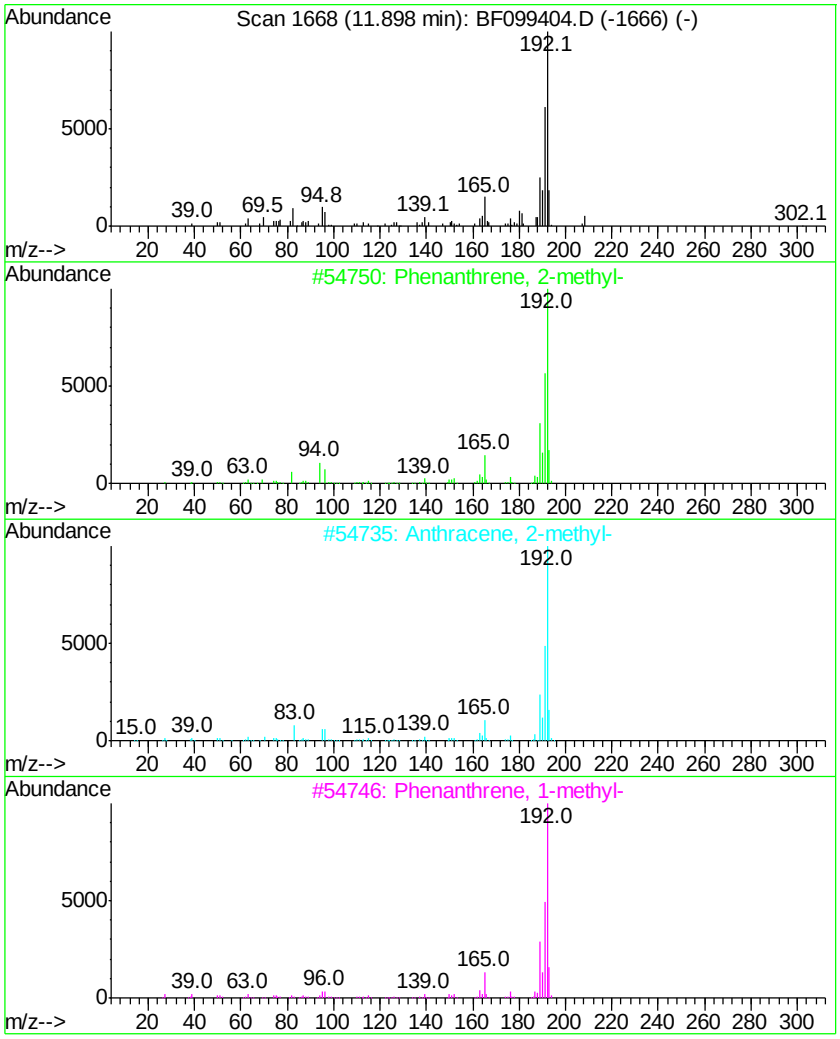
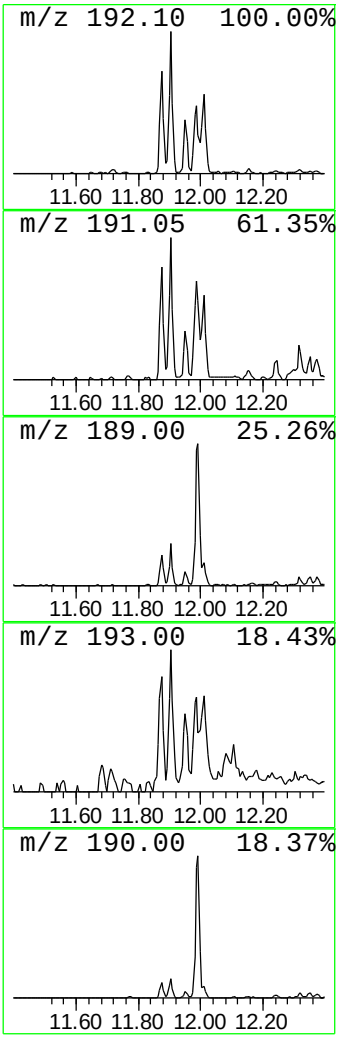
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	3.98 ng	133813	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92





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Misc :
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Instrument : BNA_F
ClientSampleId : 3E-(1-2)

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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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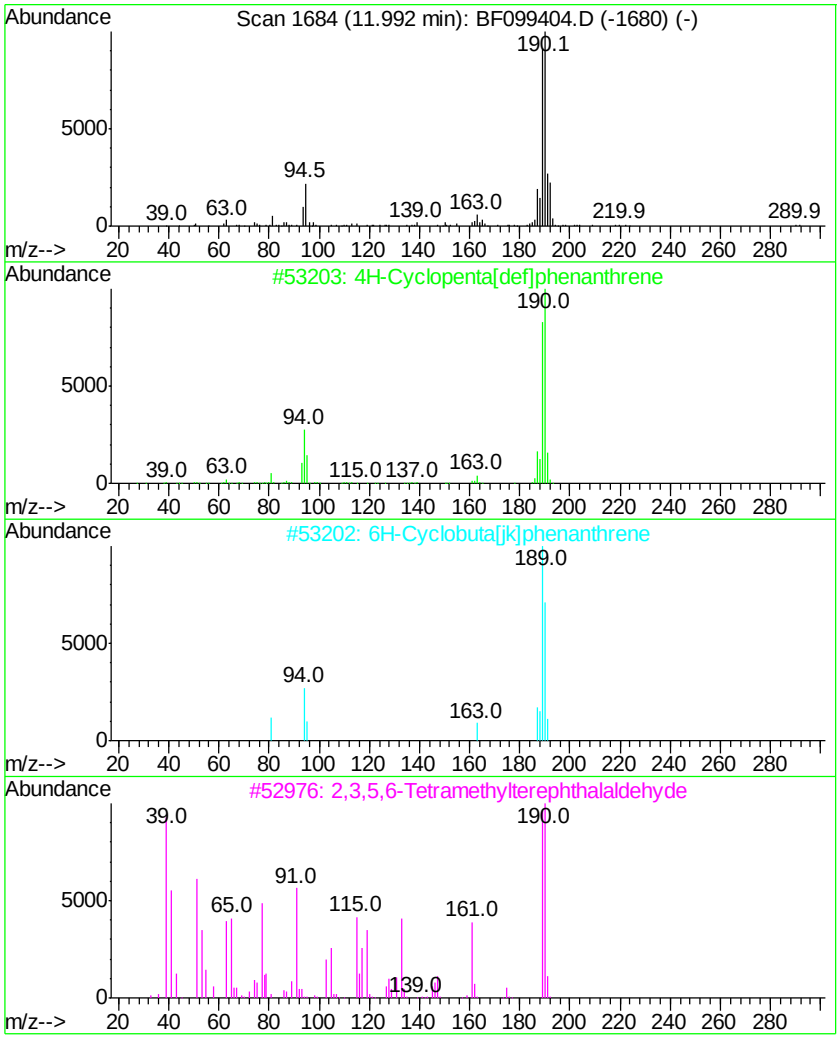
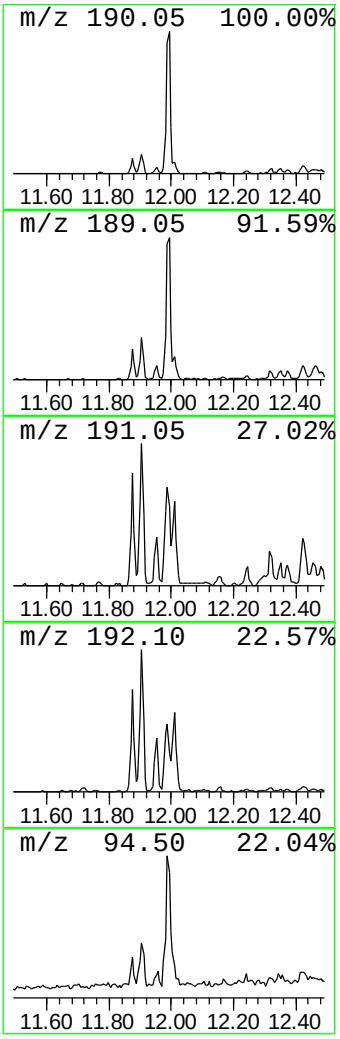
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	7.07 ng	237606	Phenanthrene-d10	11.37

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	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	28





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Instrument : BNA_F
ClientSampleId : 3E-(1-2)

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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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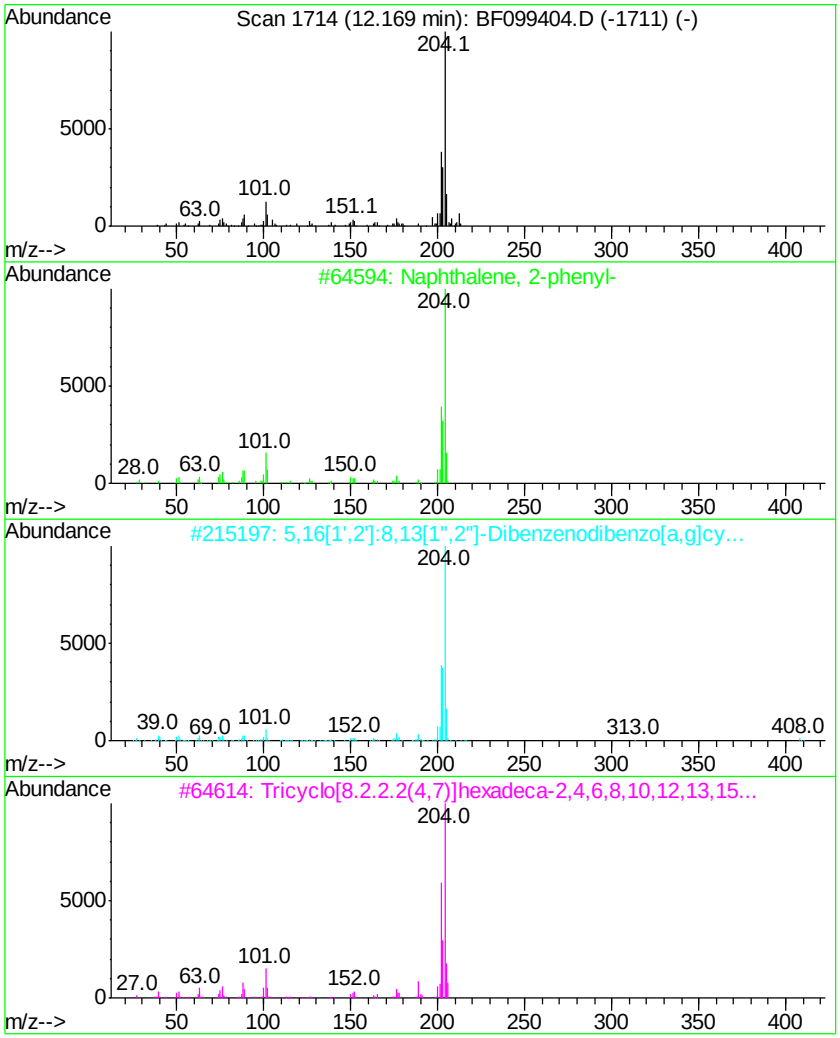
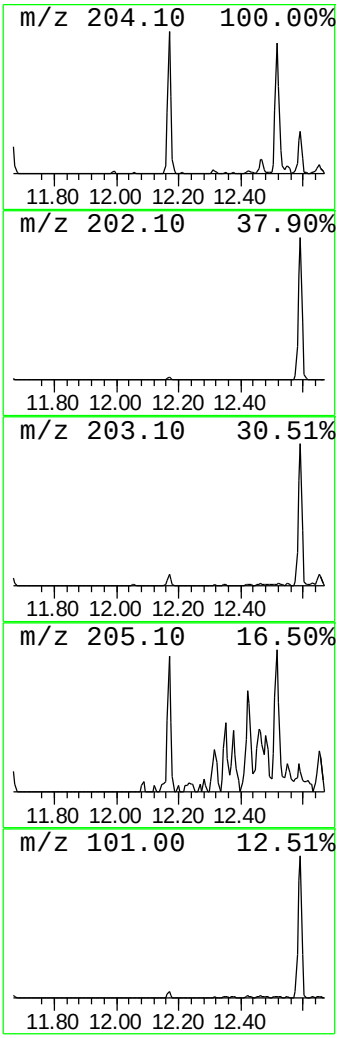
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	2.74 ng	92218	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	58





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

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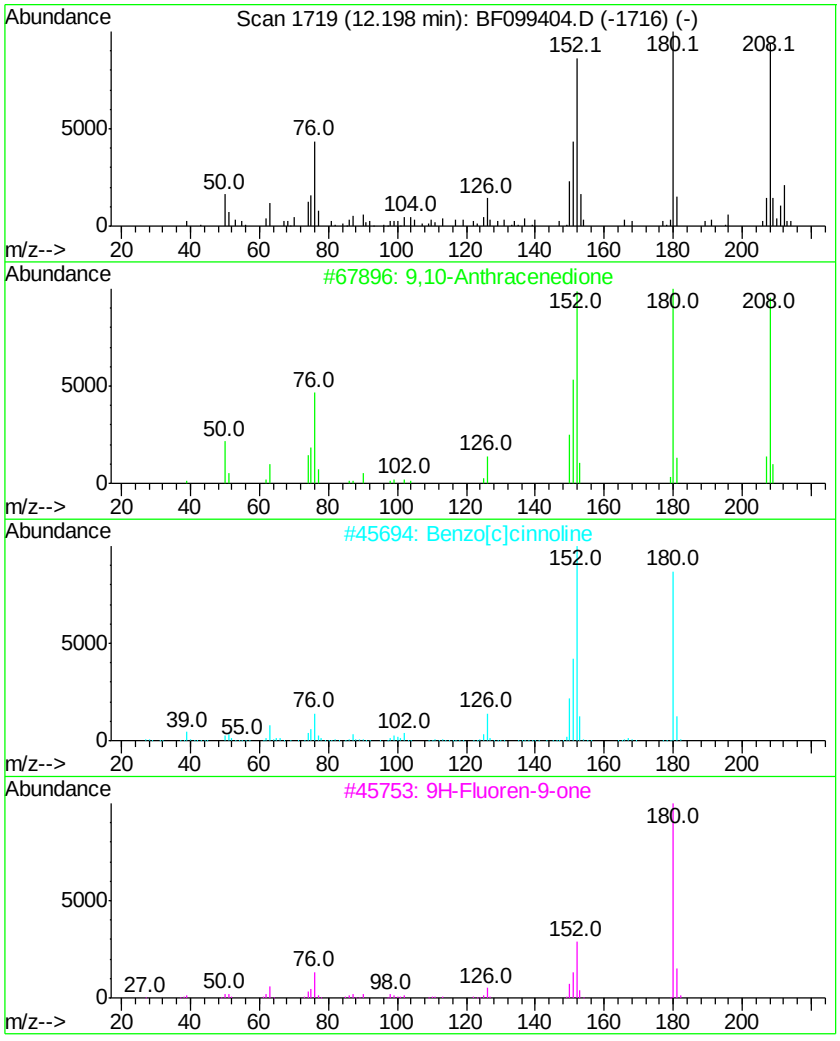
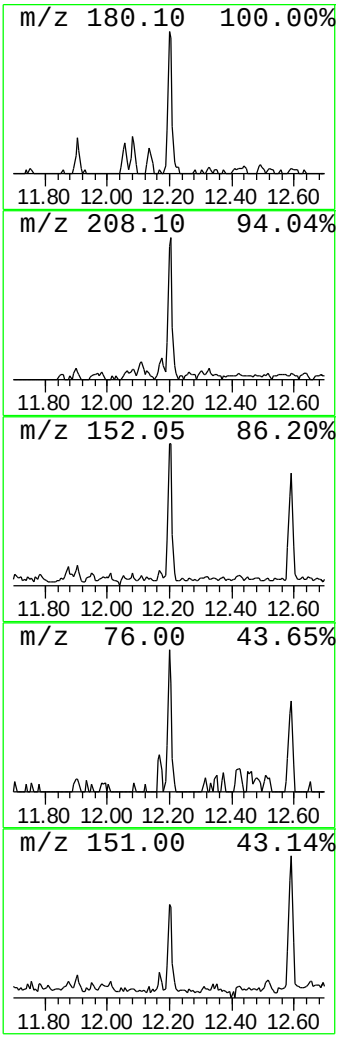
Peak Number 12 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.77 ng	93191	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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Misc :
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Instrument : BNA_F
ClientSampleId : 3E-(1-2)

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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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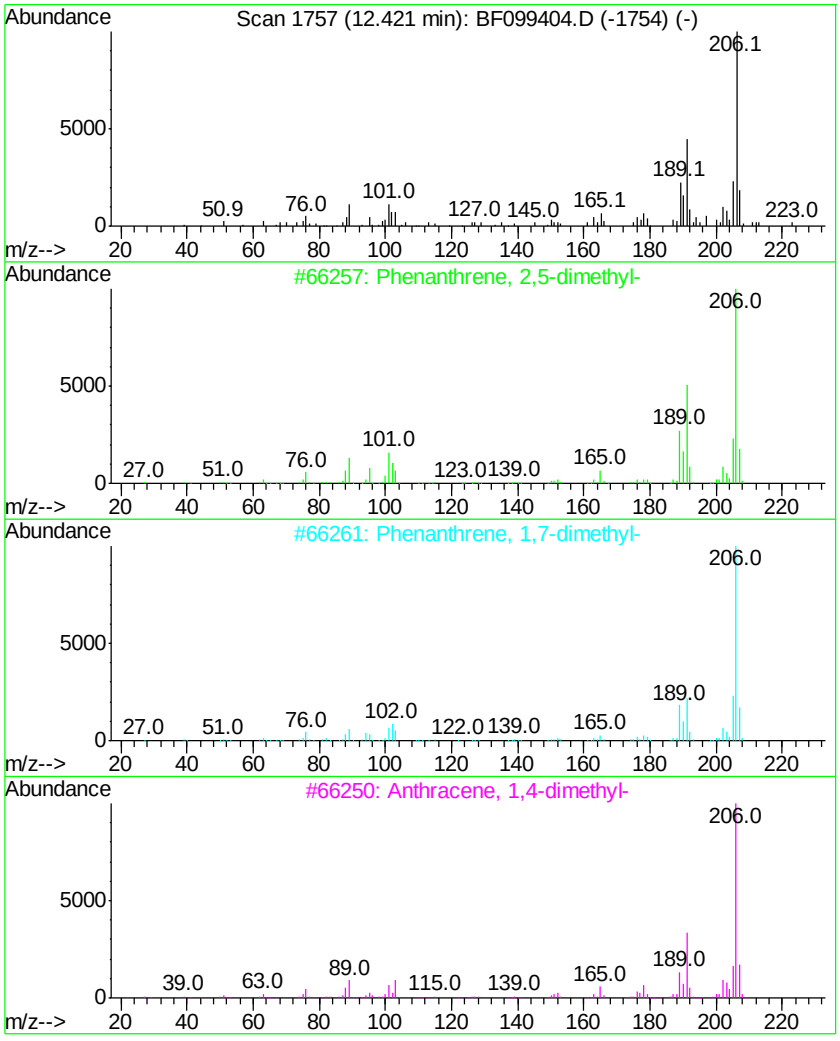
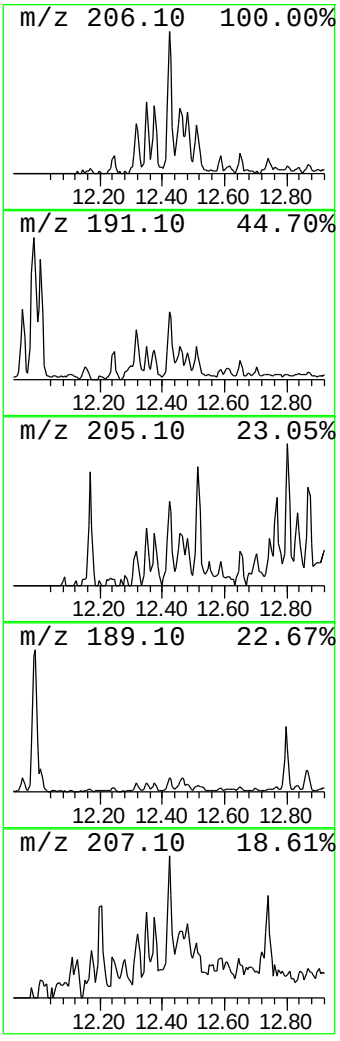
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.30 ng	77254	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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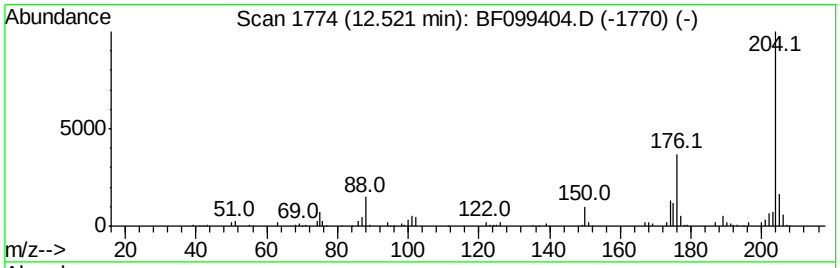
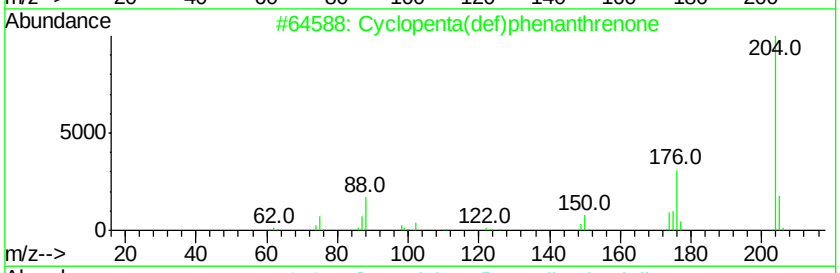
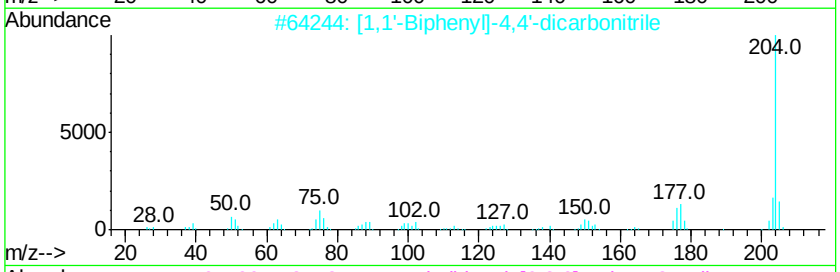
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 7

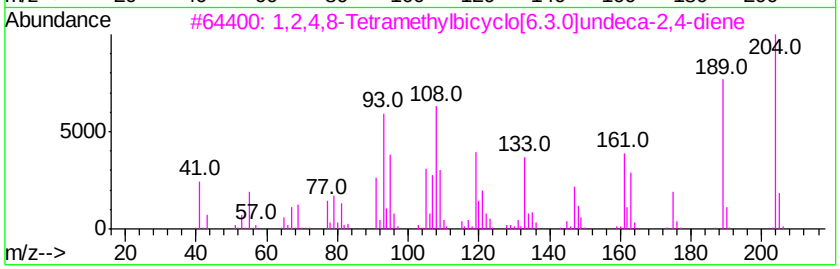
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.88 ng	96681	Phenanthrene-d10	11.37

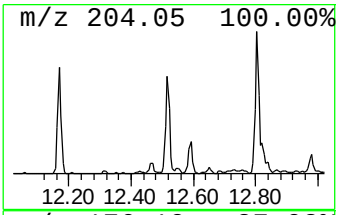
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	42
5	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	38

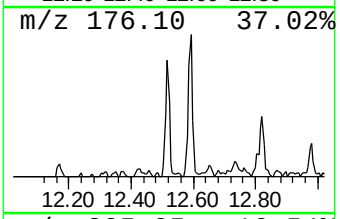


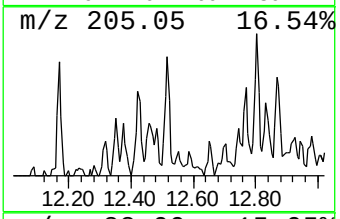


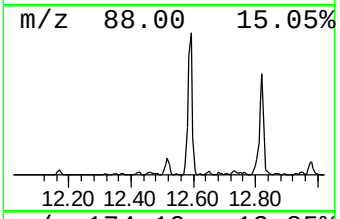


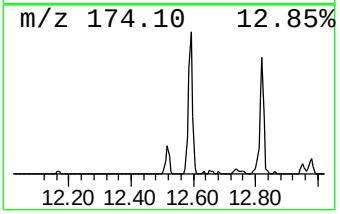












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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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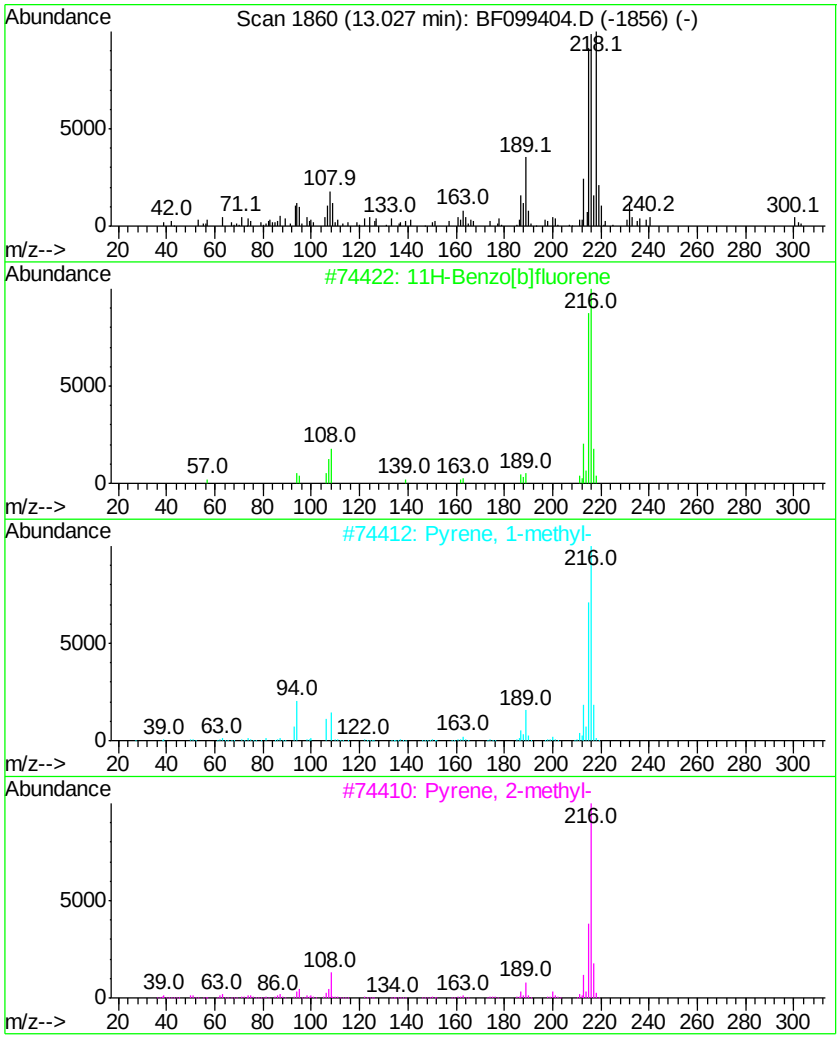
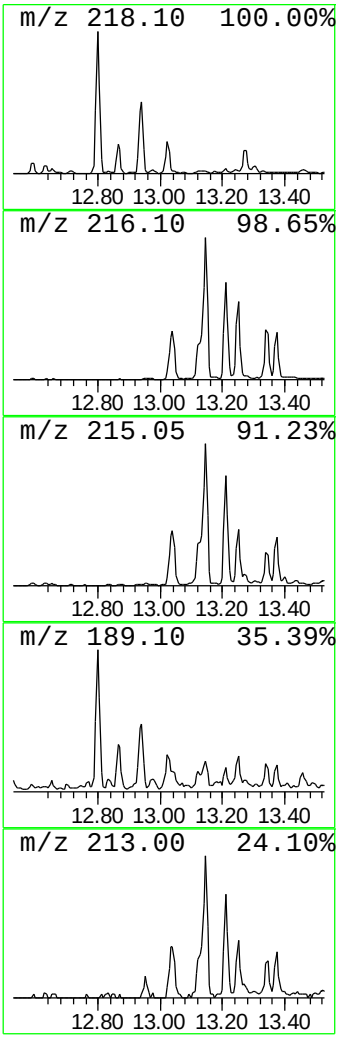
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.14 ng	145036	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	56
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	53





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

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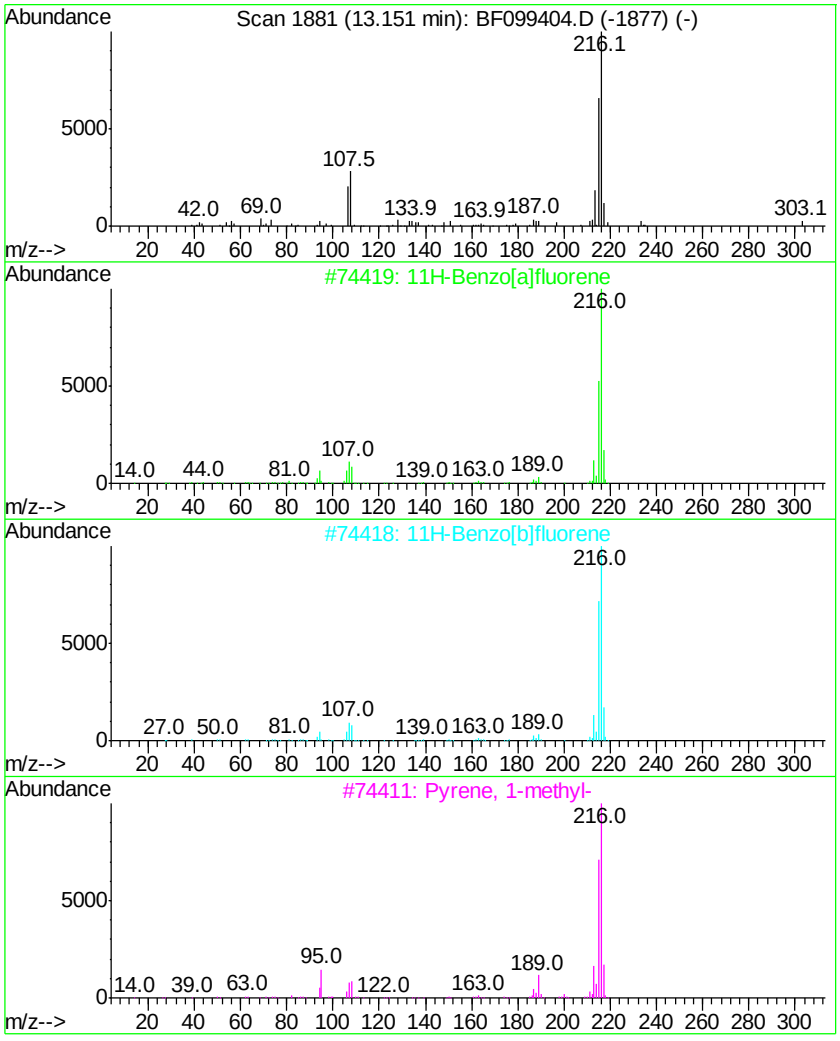
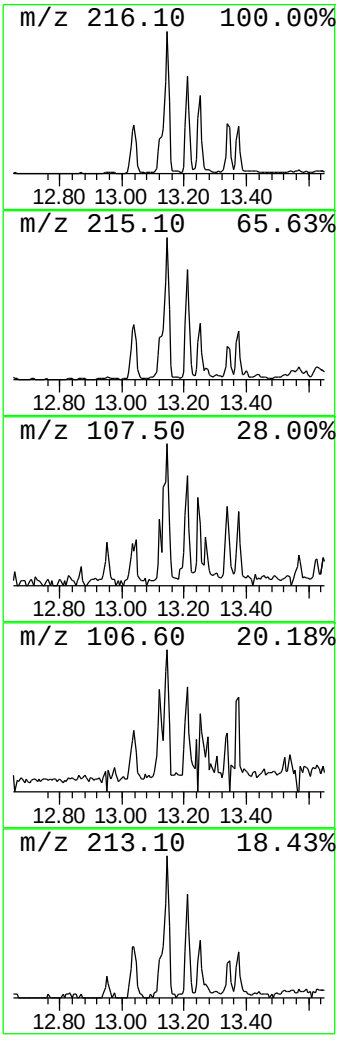
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.66 ng	179663	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78





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Acq On : 12 Oct 2017 19:36
Operator : SJ/JU
Sample : I5729-05 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

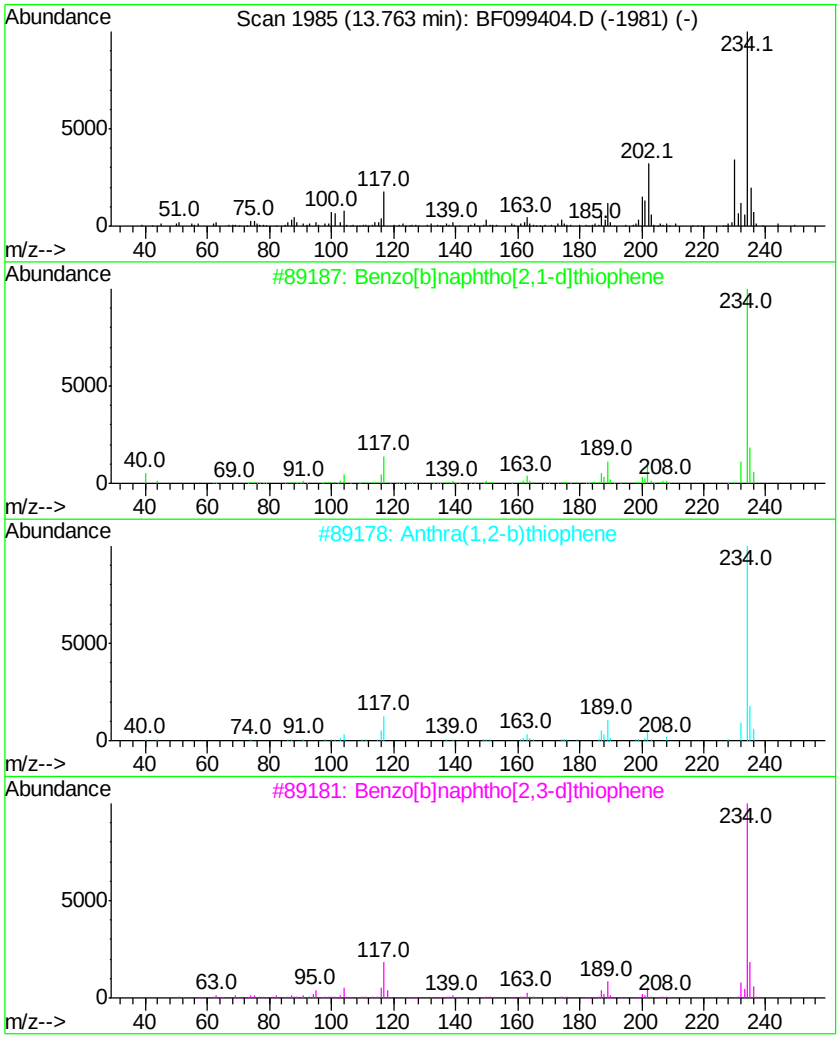
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

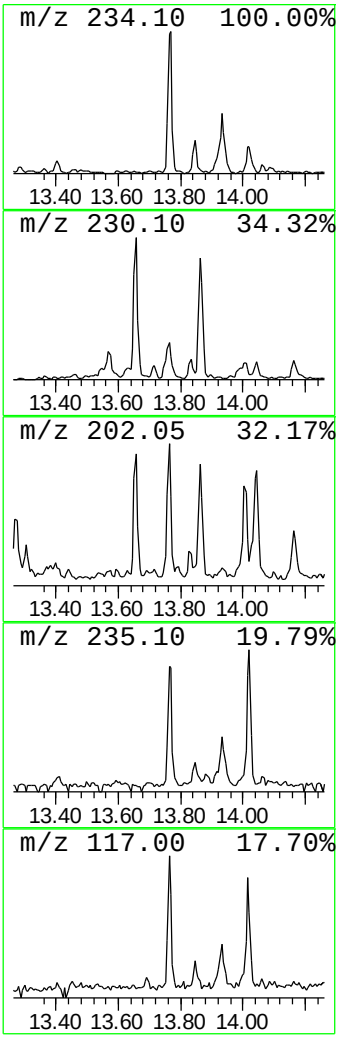
****

Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	2.65 ng	179383	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	96
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	83
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	50





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099404.D
Acq On : 12 Oct 2017 19:36
Operator : SJ/JU
Sample : I5729-05 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

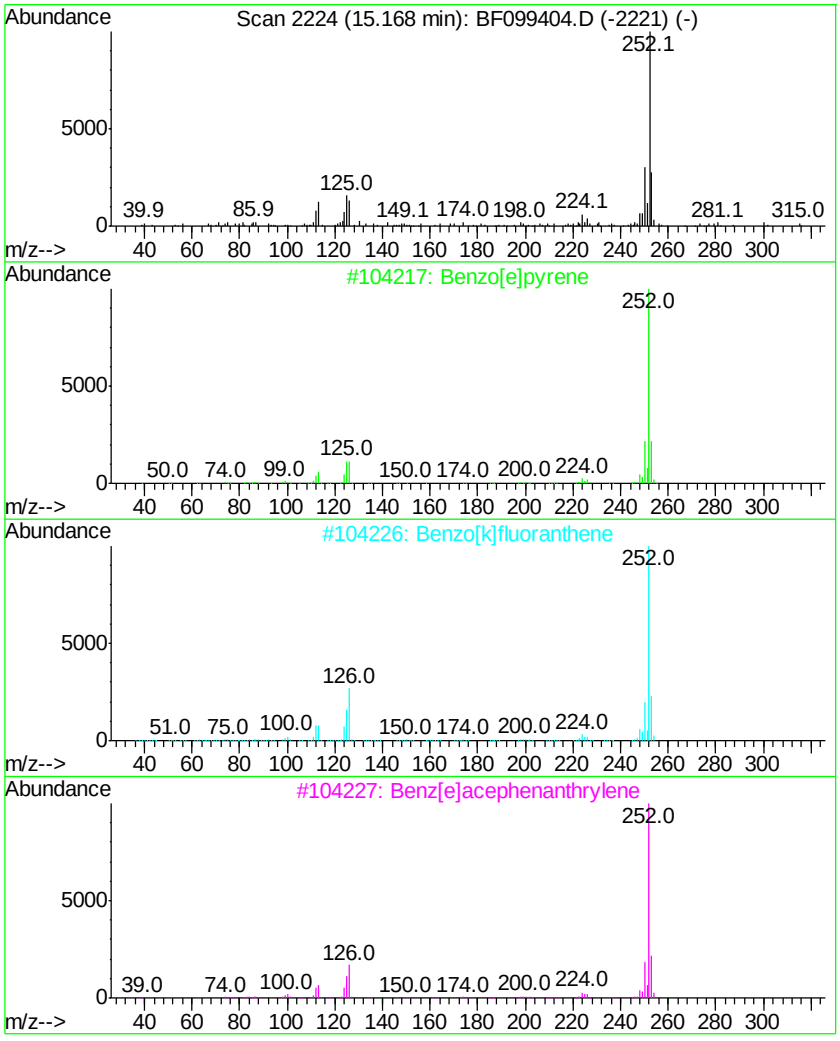
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

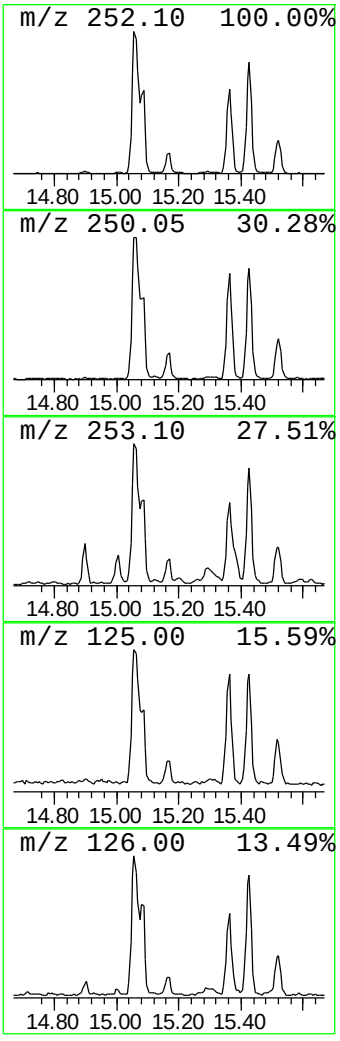
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	2.97 ng	85863	Perylene-d12	15.49

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	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF101217\
Data File : BF099404.D
Acq On : 12 Oct 2017 19:36
Operator : SJ/JU
Sample : I5729-05 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3E-(1-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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...	5.06	2.1	ng	65855	1	6.85	636240	20.0
unknown6.62	6.62	14.4	ng	456723	1	6.85	636240	20.0
Hexadecane, 2,6,1...	10.79	2.3	ng	76959	4	11.37	672500	20.0
9H-Fluoren-9-one	11.18	2.1	ng	71806	4	11.37	672500	20.0
Anthracene, 1,2,3...	11.23	2.4	ng	79514	4	11.37	672500	20.0
Dibenzothiophene	11.27	2.3	ng	77499	4	11.37	672500	20.0
Phenanthrene, 1-m...	11.87	2.4	ng	79910	4	11.37	672500	20.0
Phenanthrene, 2-m...	11.90	4.0	ng	133813	4	11.37	672500	20.0
4H-Cyclopenta[def...	11.99	7.1	ng	237606	4	11.37	672500	20.0
Naphthalene, 2-ph...	12.17	2.7	ng	92218	4	11.37	672500	20.0
9,10-Anthracenedione	12.20	2.8	ng	93191	4	11.37	672500	20.0
Phenanthrene, 2,5...	12.42	2.3	ng	77254	4	11.37	672500	20.0
Cyclopenta(def)ph...	12.52	2.9	ng	96681	4	11.37	672500	20.0
11H-Benzo[b]fluorene	13.03	2.1	ng	145036	5	14.02	1353110	20.0
11H-Benzo[a]fluorene	13.15	2.7	ng	179663	5	14.02	1353110	20.0
Benzo[b]naphtho[2...	13.76	2.6	ng	179383	5	14.02	1353110	20.0
Benzo[e]pyrene	15.17	3.0	ng	85863	6	15.49	577851	20.0