LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101921.D
Acq On : 5 Jan 2018 11:26
Operator : SJ/JU
Sample : J1027-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR251678

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-BF121417.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	4.998	492	495	521	rBV	230774	482263	13.07%	0.786%
2	5.398	560	563	596	rBV	2148434	3689003	100.00%	6.012%
3	6.428	734	738	755	rBV	2268699	3618266	98.08%	5.896%
4	6.545	755	758	769	rVB	2778873	3316663	89.91%	5.405%
5	6.769	793	796	811	rBV	863271	913067	24.75%	1.488%
6	6.928	819	823	841	rBV	2017165	2315253	62.76%	3.773%
7	7.345	891	894	913	rBV	1746930	2203663	59.74%	3.591%
8	8.051	1011	1014	1017	rBV	1053118	1085966	29.44%	1.770%
9	8.075	1017	1018	1027	rVV	447740	468161	12.69%	0.763%
10	8.775	1133	1137	1145	rBV	172990	199928	5.42%	0.326%
11	8.869	1149	1153	1163	rVB	155874	164930	4.47%	0.269%
12	9.122	1193	1196	1205	rBV	2690213	2691067	72.95%	4.385%
13	9.233	1211	1215	1220	rVB	81589	77149	2.09%	0.126%
14	9.398	1239	1243	1248	rBV	71691	107075	2.90%	0.174%
15	9.469	1252	1255	1258	rVV	130394	151995	4.12%	0.248%
16	9.498	1258	1260	1262	rVV2	100785	109674	2.97%	0.179%
17	9.527	1262	1265	1270	rVV	322942	347381	9.42%	0.566%
18	9.586	1270	1275	1283	rVB3	70595	125166	3.39%	0.204%
19	9.675	1286	1290	1295	rVV	302043	293629	7.96%	0.478%
20	9.716	1295	1297	1301	rVB	139381	120189	3.26%	0.196%
21	9.810	1306	1313	1316	rBV	967417	1014871	27.51%	1.654%
22	9.839	1316	1318	1328	rVB	259355	265650	7.20%	0.433%
23	9.963	1334	1339	1343	rVB5	34347	59932	1.62%	0.098%
24	10.016	1343	1348	1353	rBV	303488	366780	9.94%	0.598%
25	10.122	1363	1366	1369	rBV	48070	53372	1.45%	0.087%
26	10.216	1379	1382	1385	rVV	208555	176294	4.78%	0.287%
27	10.363	1399	1407	1412	rBV	319697	385411	10.45%	0.628%
28	10.439	1412	1420	1423	rBV4	68993	136010	3.69%	0.222%
29	10.516	1431	1433	1437	rVB	177018	148003	4.01%	0.241%
30	10.610	1444	1449	1454	rBV2	1186617	1423389	38.58%	2.320%
31	10.692	1460	1463	1466	rBV	110476	123401	3.35%	0.201%
32	10.910	1496	1500	1503	rVB2	99143	105898	2.87%	0.173%
33	11.033	1516	1521	1523	rBV	109484	120713	3.27%	0.197%
34	11.127	1534	1537	1540	rBV2	147801	206752	5.60%	0.337%

LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101921.D
Acq On : 5 Jan 2018 11:26
Operator : SJ/JU
Sample : J1027-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR251678

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-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.198	1547	1549	1555	rVB	235187	233535	6.33%	0.381%
36	11.304	1563	1567	1568	rBV	883693	764560	20.73%	1.246%
37	11.327	1568	1571	1575	rVV	2830003	2645956	71.73%	4.312%
38	11.380	1576	1580	1587	rVB	545548	576234	15.62%	0.939%
39	11.551	1605	1609	1613	rBV2	313508	416406	11.29%	0.679%
40	11.586	1613	1615	1618	rVB	94914	72184	1.96%	0.118%
41	11.716	1634	1637	1643	rVB4	54624	71270	1.93%	0.116%
42	11.804	1649	1652	1655	rBV2	470305	572230	15.51%	0.933%
43	11.833	1655	1657	1663	rVB	521252	485859	13.17%	0.792%
44	11.886	1663	1666	1668	rBV	153030	131315	3.56%	0.214%
45	11.916	1668	1671	1674	rBV	491404	548412	14.87%	0.894%
46	11.939	1674	1675	1678	rVV	269952	179298	4.86%	0.292%
47	11.998	1683	1685	1688	rBV	56385	56794	1.54%	0.093%
48	12.098	1699	1702	1706	rVB	273473	257954	6.99%	0.420%
49	12.157	1709	1712	1717	rBV2	302487	330355	8.96%	0.538%
50	12.245	1725	1727	1730	rBV	95281	89787	2.43%	0.146%
51	12.280	1730	1733	1736	rVV	104935	91550	2.48%	0.149%
52	12.310	1736	1738	1741	rVB2	69369	59529	1.61%	0.097%
53	12.351	1742	1745	1748	rBV	225585	231053	6.26%	0.377%
54	12.392	1748	1752	1754	rVV3	103561	154452	4.19%	0.252%
55	12.439	1758	1760	1762	rVV	80934	94854	2.57%	0.155%
56	12.468	1762	1765	1770	rVV	187650	210058	5.69%	0.342%
57	12.527	1770	1775	1778	rVV	2831915	2863024	77.61%	4.666%
58	12.557	1778	1780	1782	rVV	64997	58889	1.60%	0.096%
59	12.598	1782	1787	1789	rVV3	183369	266333	7.22%	0.434%
60	12.621	1789	1791	1796	rVV	233360	230755	6.26%	0.376%
61	12.674	1797	1800	1805	rVV2	251868	312645	8.48%	0.509%
62	12.733	1807	1810	1811	rVV	645442	570522	15.47%	0.930%
63	12.757	1811	1814	1817	rVV	2719872	2527258	68.51%	4.118%
64	12.804	1819	1822	1826	rVB	197557	216355	5.86%	0.353%
65	12.880	1831	1835	1838	rVV	2171515	2023328	54.85%	3.297%
66	12.933	1841	1844	1846	rVV	177903	180835	4.90%	0.295%
67	12.968	1846	1850	1855	rVB3	247038	396694	10.75%	0.646%
68	13.015	1855	1858	1861	rBV2	99165	95844	2.60%	0.156%
69	13.080	1861	1869	1874	rVB2	355377	631142	17.11%	1.029%
70	13.127	1874	1877	1878	rBV2	67149	64522	1.75%	0.105%
71	13.145	1878	1880	1883	rVV	176434	168160	4.56%	0.274%

LSC Area Percent Report

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Data File : BF101921.D
Acq On : 5 Jan 2018 11:26
Operator : SJ/JU
Sample : J1027-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR251678

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-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.186	1883	1887	1890	rVV2	326881	466373	12.64%	0.760%
73	13.239	1894	1896	1899	rVB2	64271	65811	1.78%	0.107%
74	13.280	1900	1903	1906	rBV	209046	198432	5.38%	0.323%
75	13.310	1906	1908	1917	rVB3	199760	290067	7.86%	0.473%
76	13.610	1954	1959	1964	rBV	333228	369050	10.00%	0.601%
77	13.721	1973	1978	1981	rBV2	408289	540869	14.66%	0.881%
78	13.757	1981	1984	1986	rBV2	382801	393832	10.68%	0.642%
79	13.821	1992	1995	1999	rVB	327680	318811	8.64%	0.520%
80	13.874	1999	2004	2011	rBV	102354	222761	6.04%	0.363%
81	13.951	2012	2017	2021	rVV2	1672437	2845142	77.12%	4.636%
82	13.986	2021	2023	2030	rVV	1557970	1420567	38.51%	2.315%
83	14.062	2034	2036	2039	rVB	199366	177319	4.81%	0.289%
84	14.127	2044	2047	2051	rVB2	203276	221577	6.01%	0.361%
85	14.168	2051	2054	2057	rBV2	132468	194316	5.27%	0.317%
86	14.198	2057	2059	2064	rVB	171356	171440	4.65%	0.279%
87	14.345	2081	2084	2087	rVB	356254	301478	8.17%	0.491%
88	14.380	2087	2090	2093	rVB	152104	140285	3.80%	0.229%
89	14.415	2093	2096	2099	rBV	178253	158014	4.28%	0.258%
90	14.474	2103	2106	2112	rVB2	167003	219648	5.95%	0.358%
91	14.957	2185	2188	2191	rVB	76111	80171	2.17%	0.131%
92	15.004	2191	2196	2199	rBV	1273506	1903581	51.60%	3.102%
93	15.109	2211	2214	2221	rBV	248438	304992	8.27%	0.497%
94	15.192	2226	2228	2234	rVB2	80520	139670	3.79%	0.228%
95	15.304	2243	2247	2251	rVB	699807	784449	21.26%	1.278%
96	15.368	2254	2258	2263	rVB	1016815	1249532	33.87%	2.036%
97	15.427	2264	2268	2271	rVV	592655	726979	19.71%	1.185%
98	15.462	2271	2274	2282	rVB2	246304	372130	10.09%	0.606%
99	16.915	2516	2521	2529	rVB	303139	580026	15.72%	0.945%
100	17.368	2593	2598	2610	rVB	239225	560256	15.19%	0.913%

Sum of corrected areas: 61364493

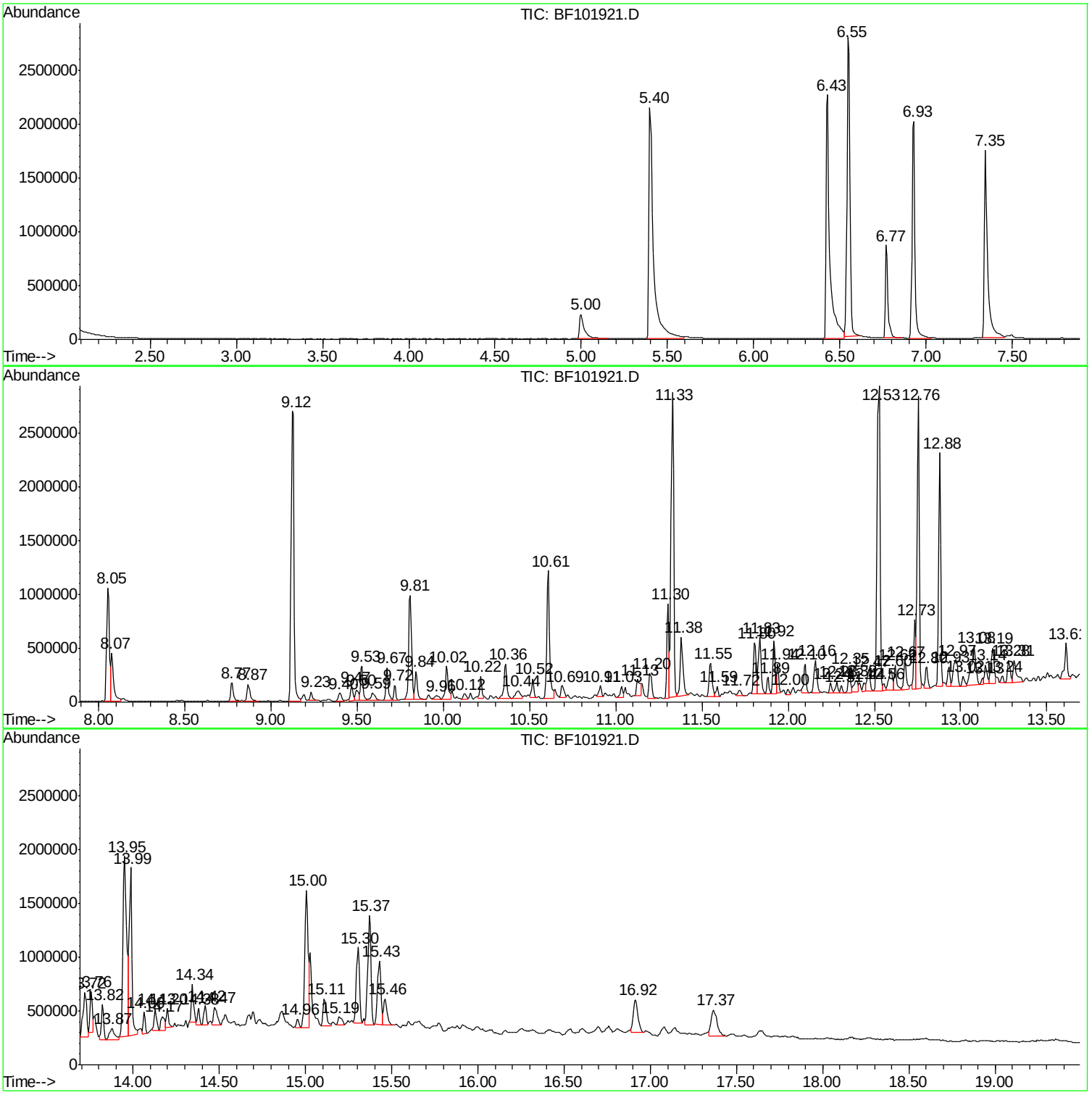
LSC Report - Integrated Chromatogram

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101921.D
Acq On : 5 Jan 2018 11:26
Operator : SJ/JU
Sample : J1027-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR251678

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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 : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101921.D
Acq On : 5 Jan 2018 11:26
Operator : SJ/JU
Sample : J1027-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR251678

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

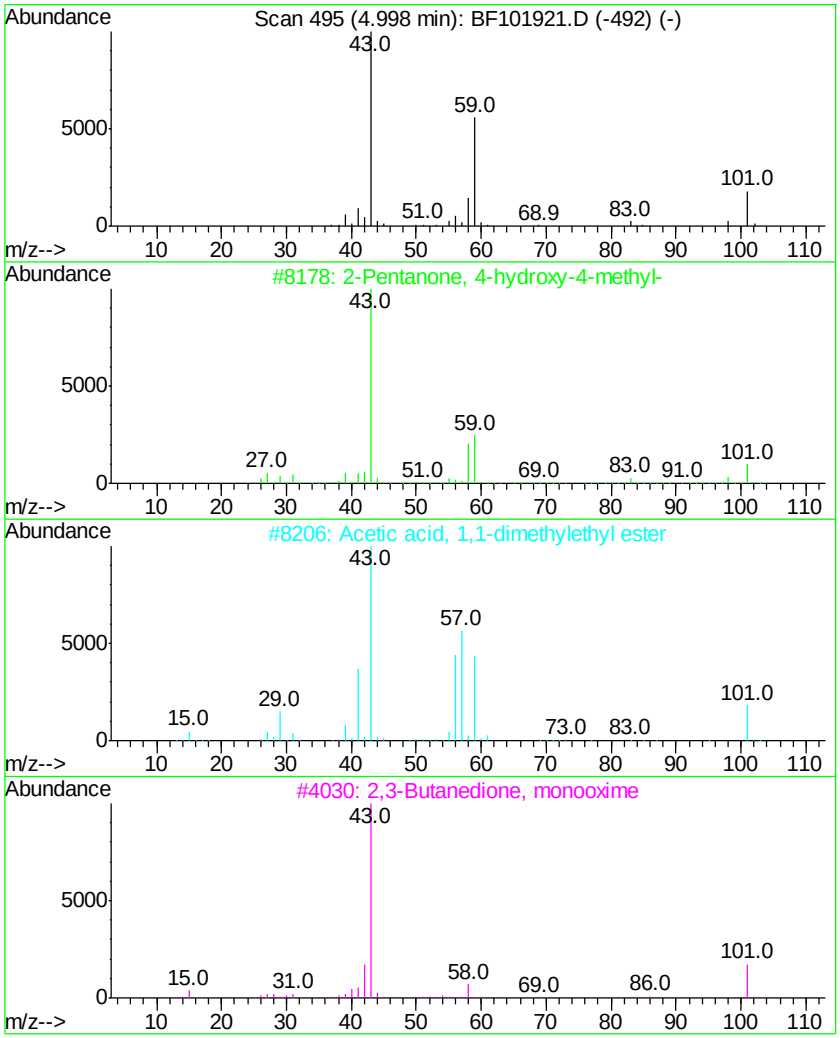
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

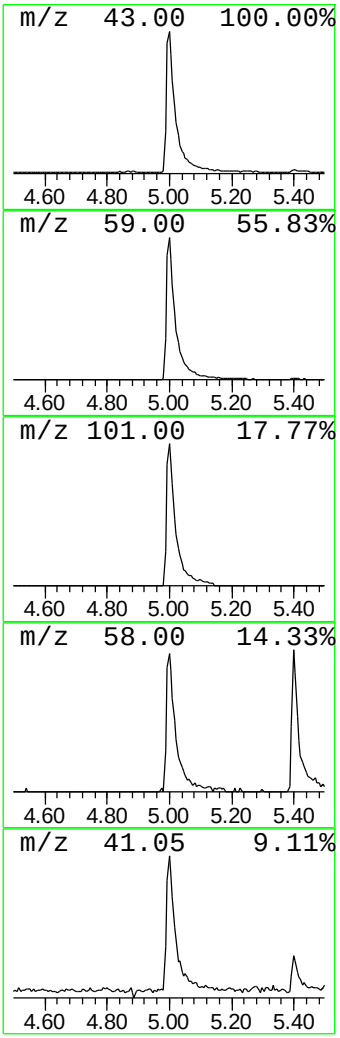
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	10.56 ng	482263	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101921.D
Acq On : 5 Jan 2018 11:26
Operator : SJ/JU
Sample : J1027-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR251678

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

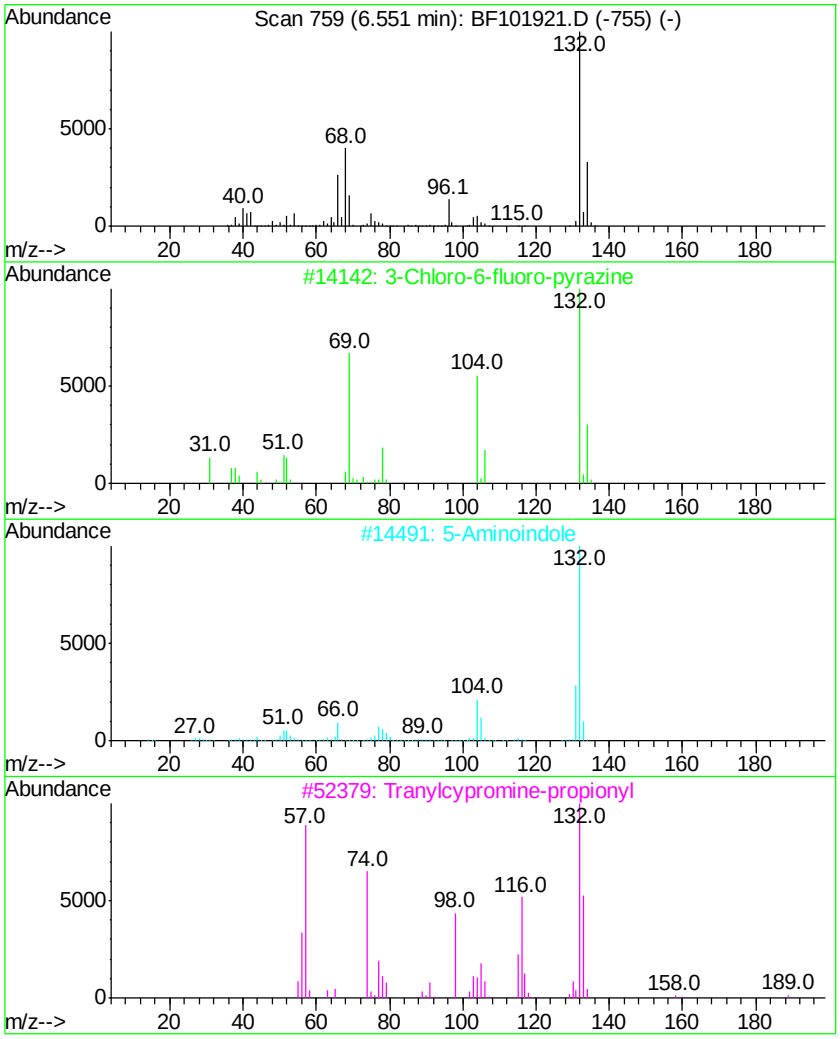
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

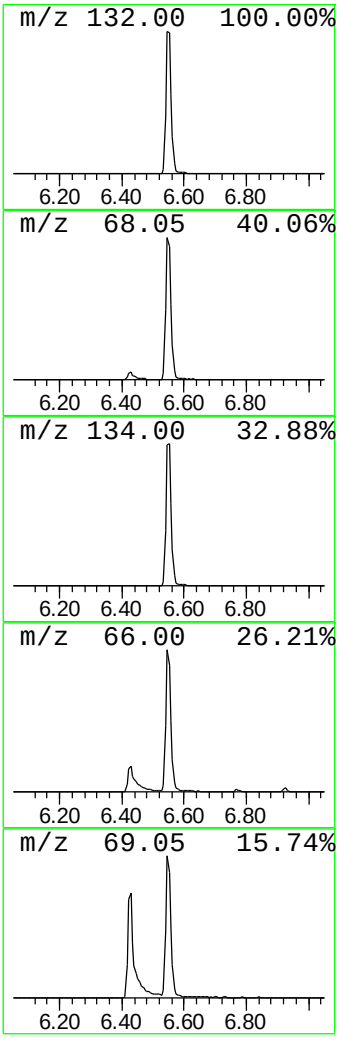
****

Peak Number 2 unknown6.55 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	72.65 ng	3316660	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101921.D
Acq On : 5 Jan 2018 11:26
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Sample : J1027-05
Misc :
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Instrument : BNA_F
ClientSampleId : RBR251678

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

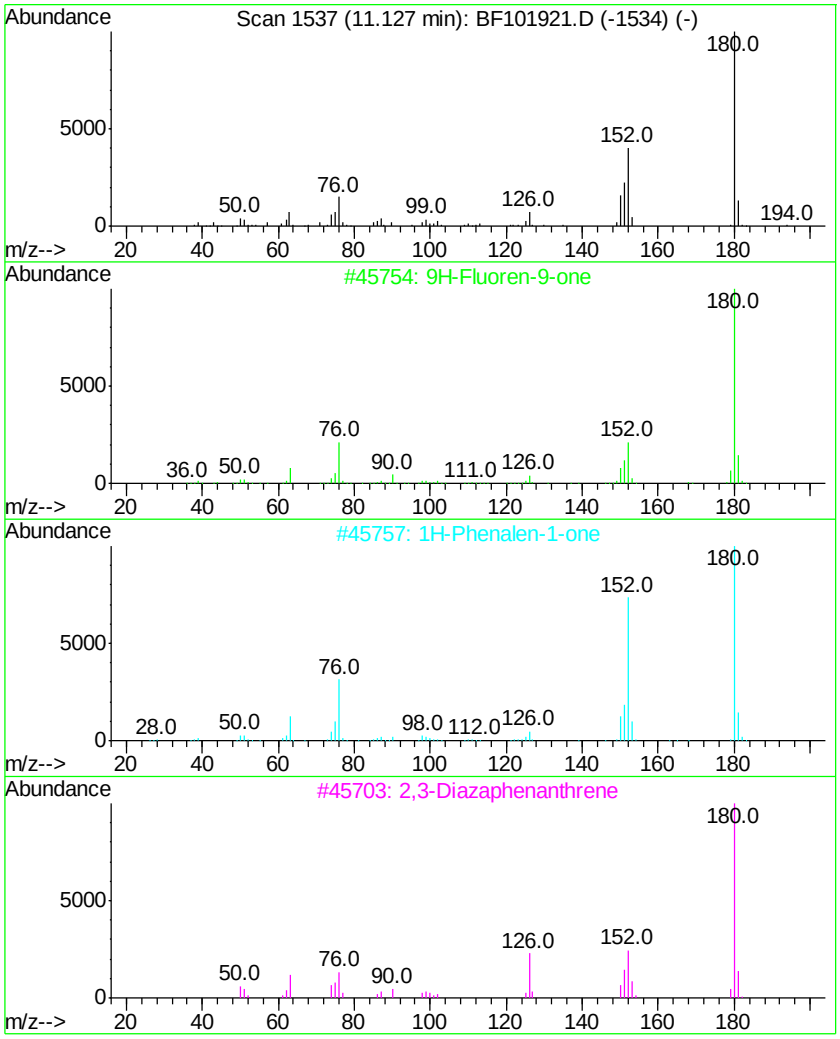
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

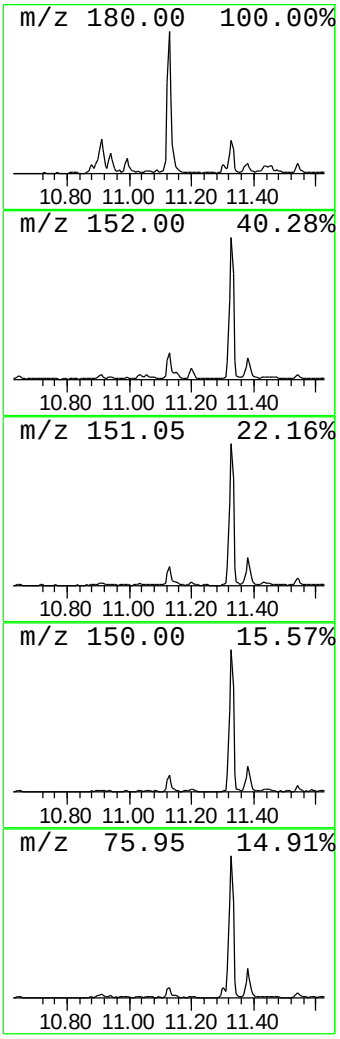
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	5.41 ng	206752	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
3	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	53
4	Benzaldehyde, 4-nitro-, O-methyl...	180	C8H8N2O3	033499-32-0	43
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	40





Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101921.D
Acq On : 5 Jan 2018 11:26
Operator : SJ/JU
Sample : J1027-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR251678

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

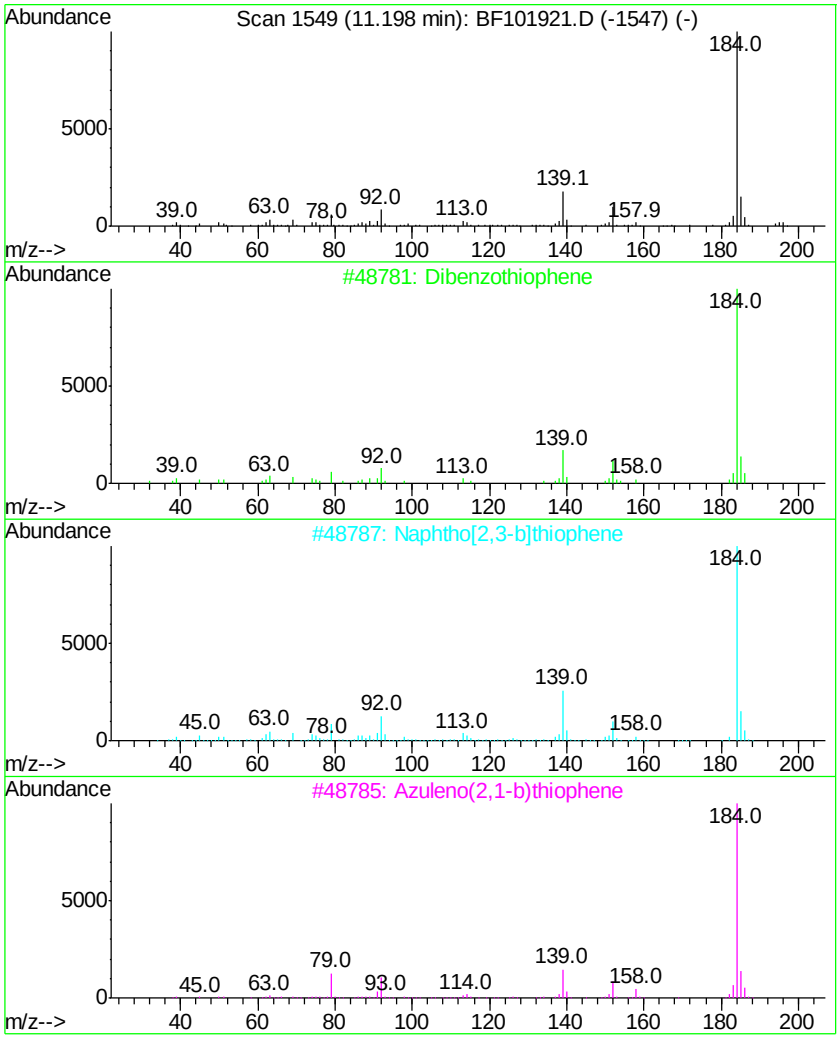
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

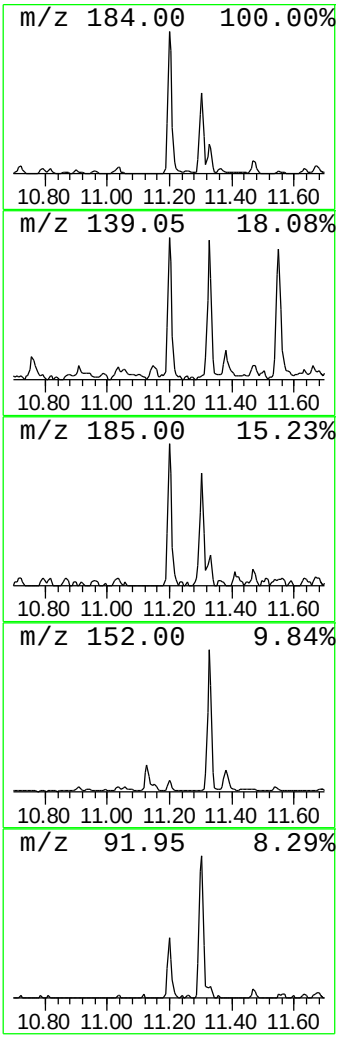
****

Peak Number 5 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	6.11 ng	233535	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101921.D
Acq On : 5 Jan 2018 11:26
Operator : SJ/JU
Sample : J1027-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR251678

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

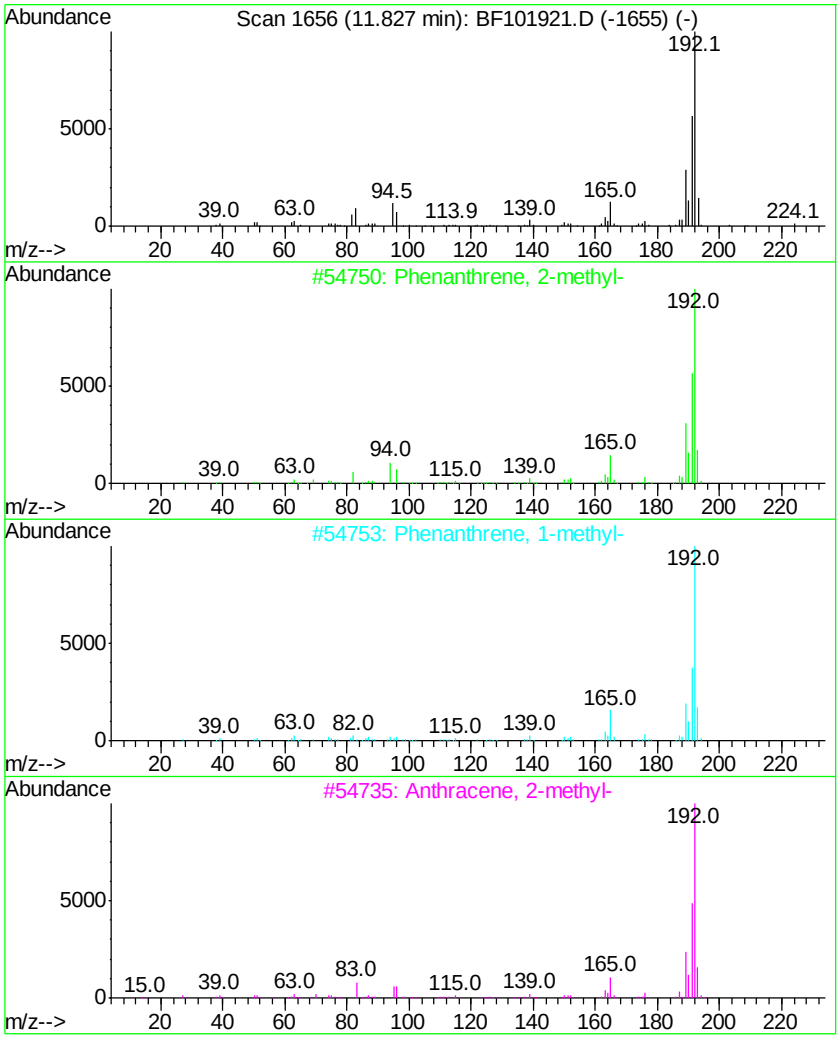
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

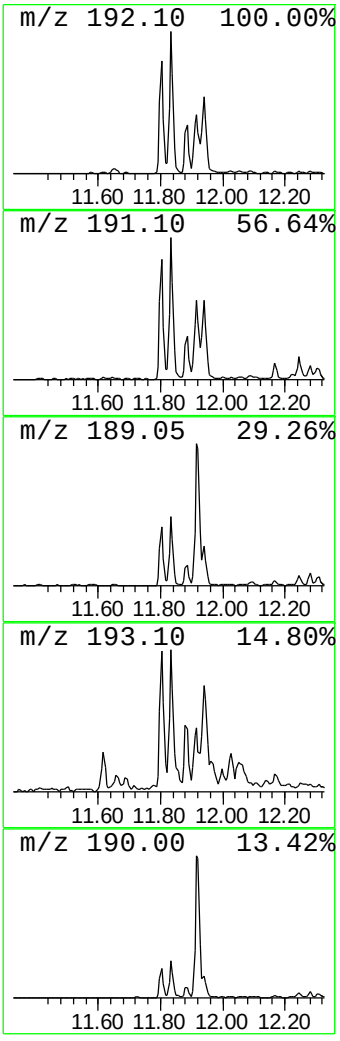
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	12.71 ng	485859	Phenanthrene-d10	11.30

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, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Data File : BF101921.D
Acq On : 5 Jan 2018 11:26
Operator : SJ/JU
Sample : J1027-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR251678

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

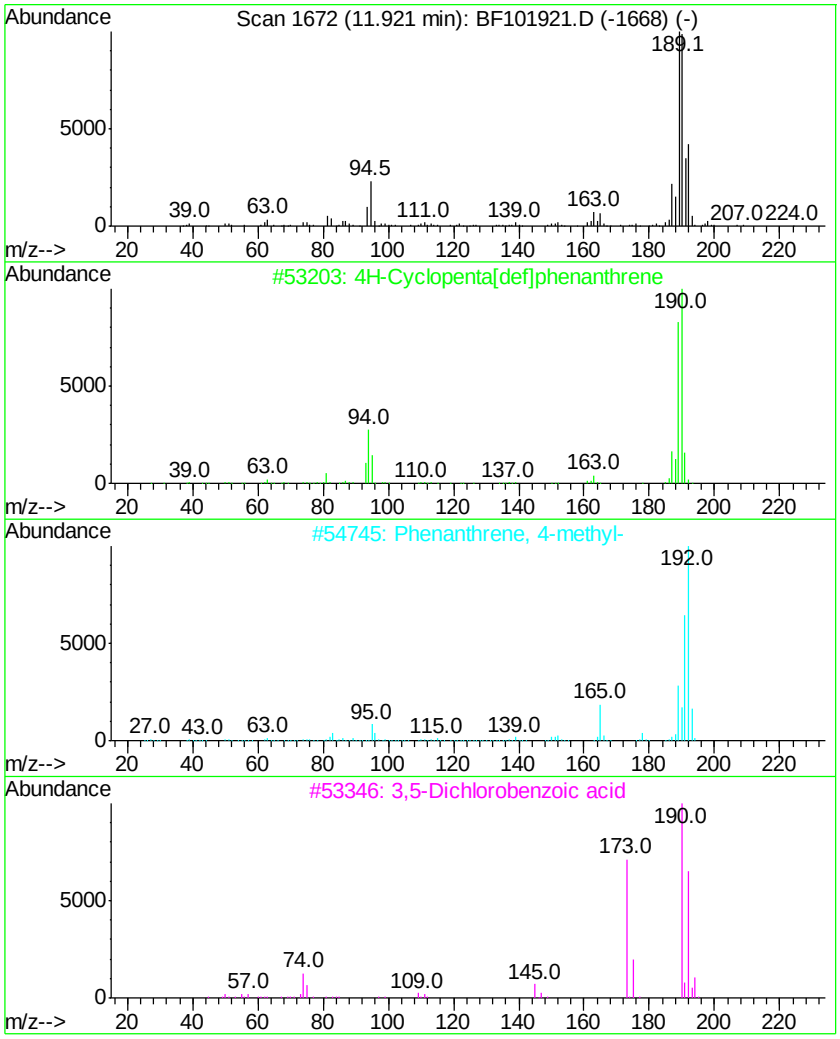
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

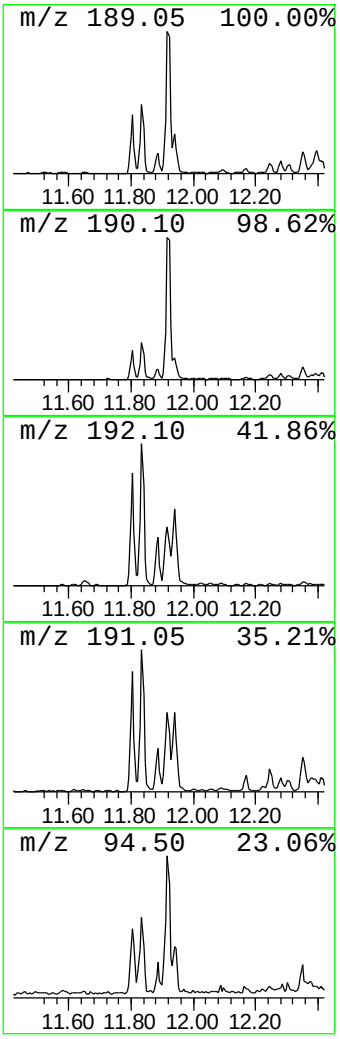
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	14.35 ng	548412	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	20
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	20





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Instrument : BNA_F
ClientSampleId : RBR251678

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

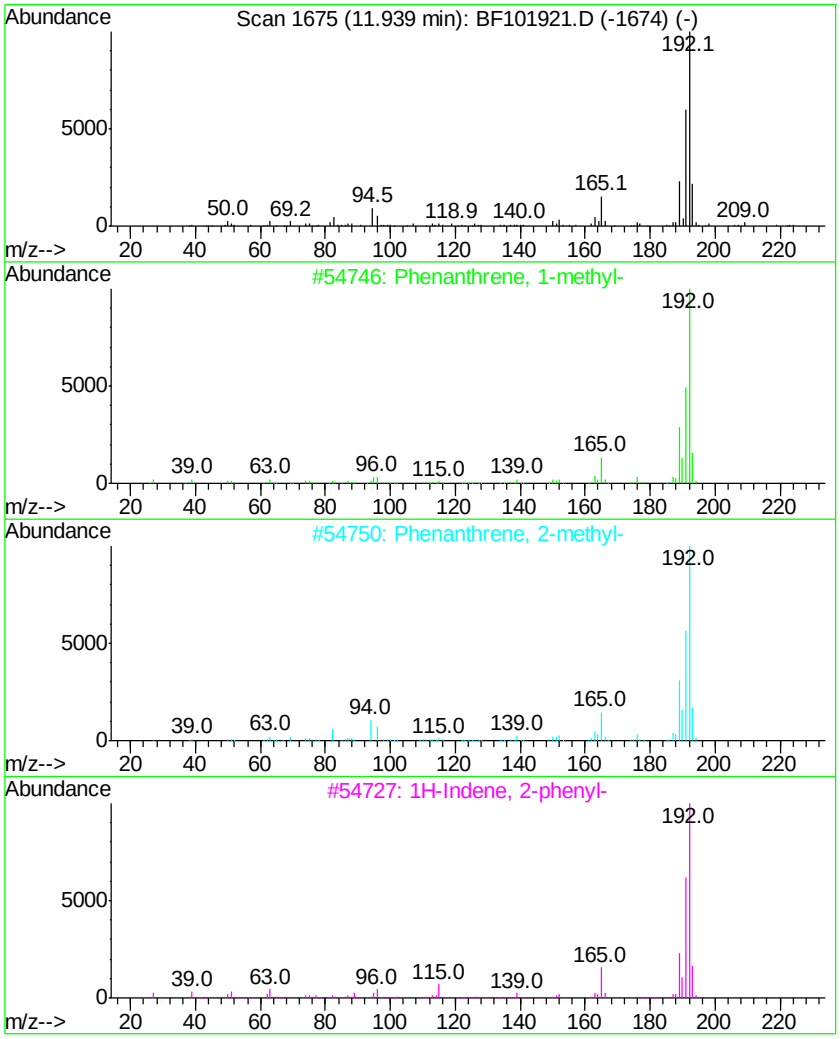
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

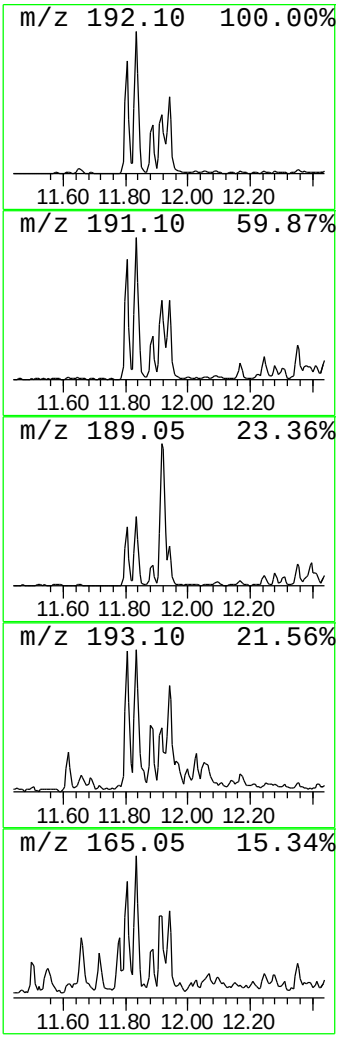
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	4.69 ng	179298	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80





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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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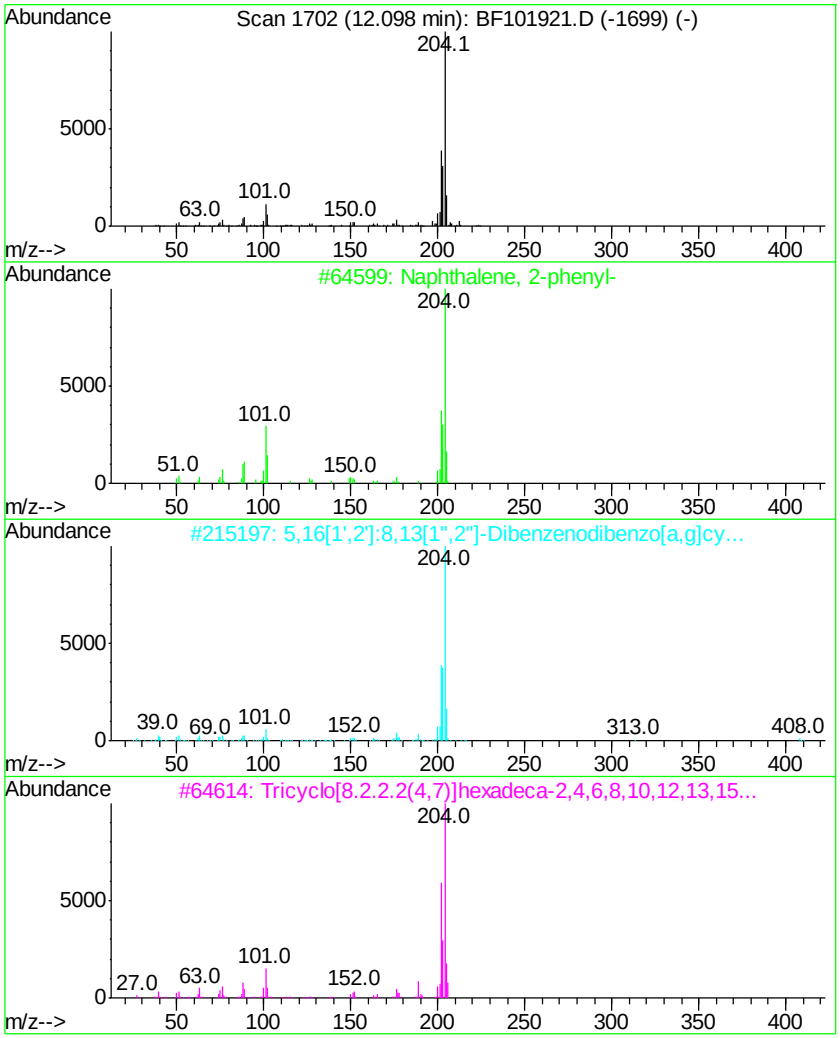
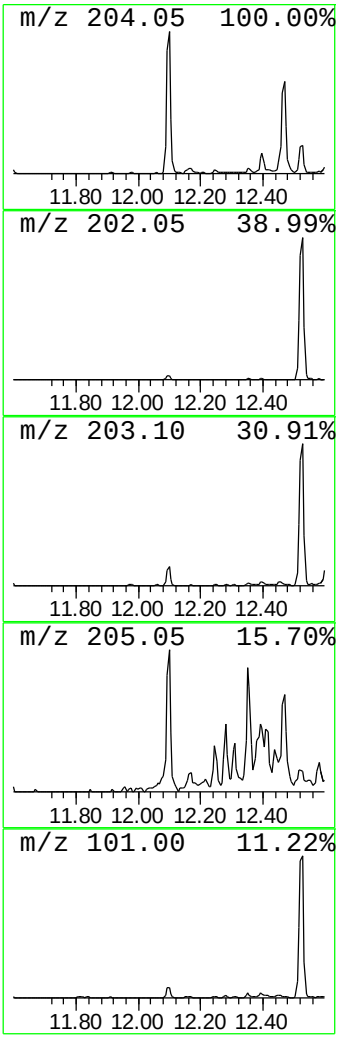
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	6.75 ng	257954	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
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	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49





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Sample : J1027-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR251678

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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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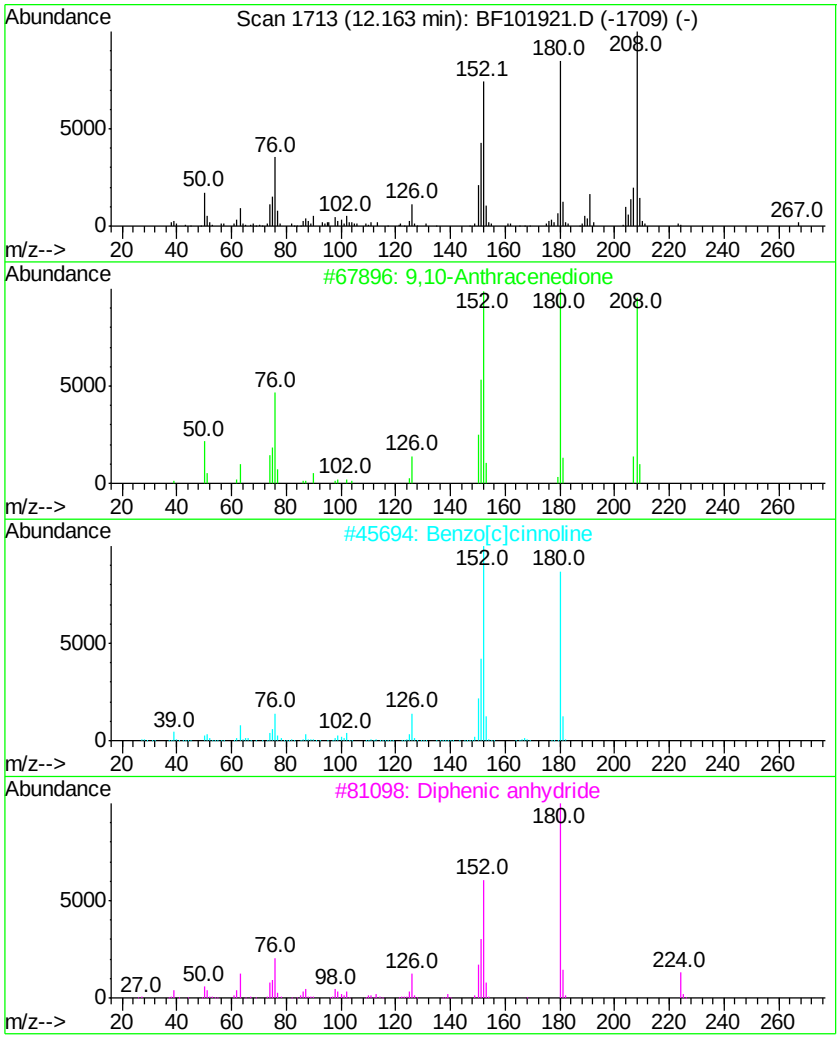
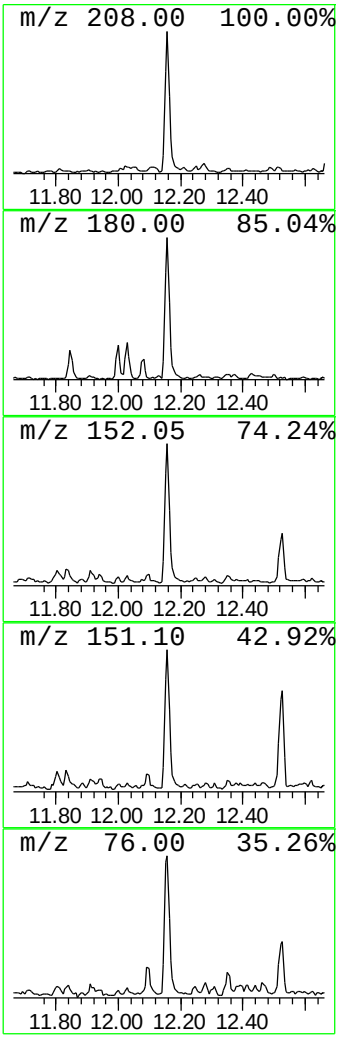
Peak Number 11 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	8.64 ng	330355	Phenanthrene-d10	11.30

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	96
3	Diphenic anhydride	224	C14H8O3	006050-13-1	70
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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ALS Vial : 6 Sample Multiplier: 1

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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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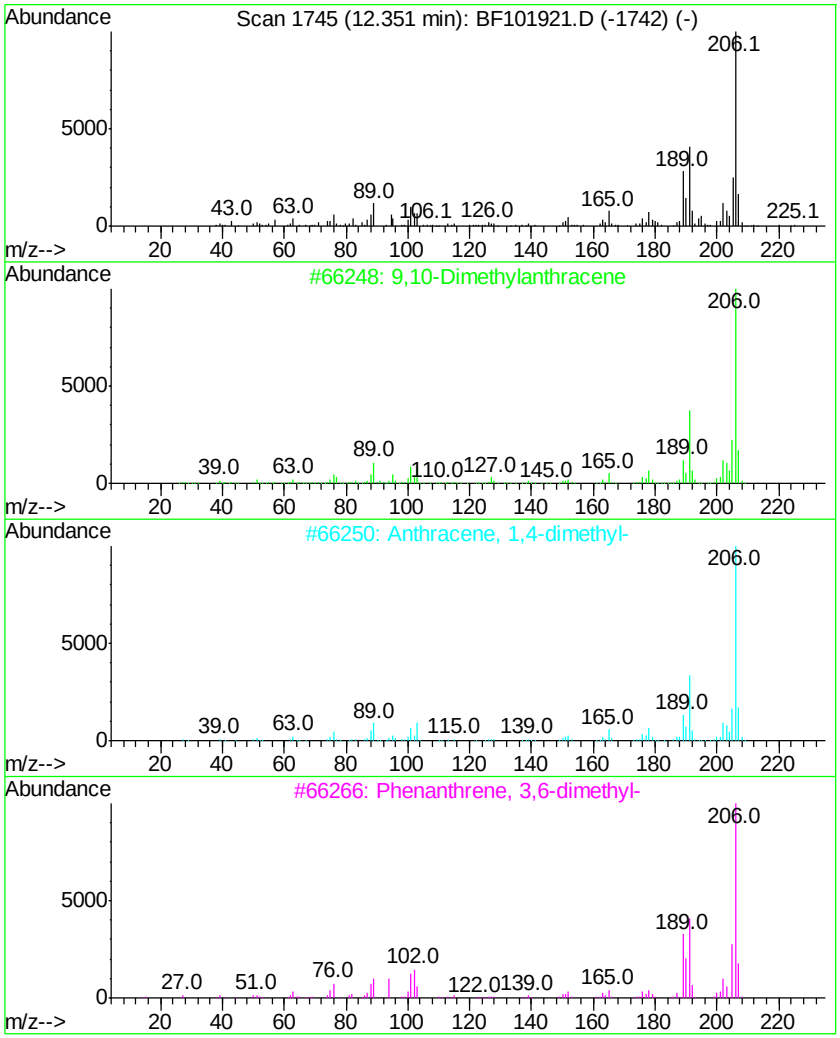
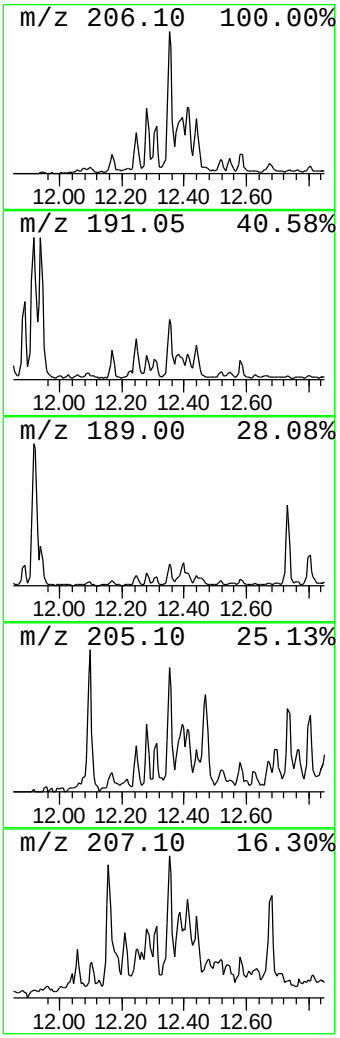
Peak Number 12 9,10-Dimethylanthracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	6.04 ng	231053	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	95
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





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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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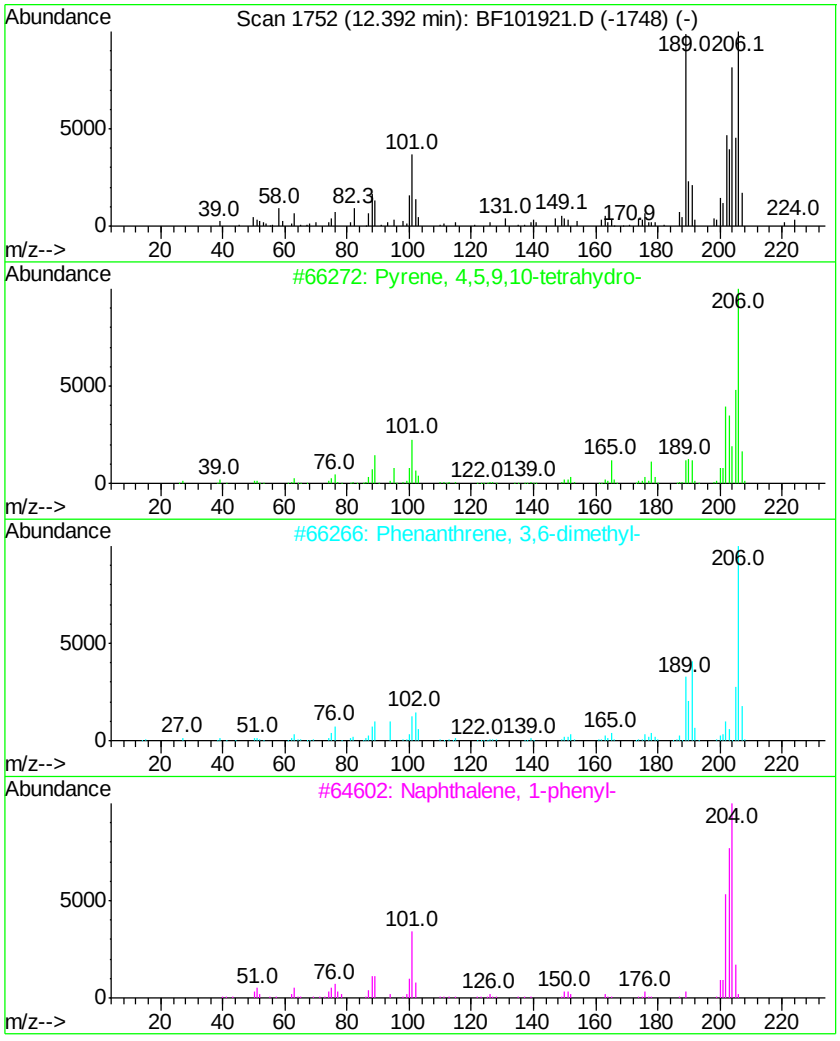
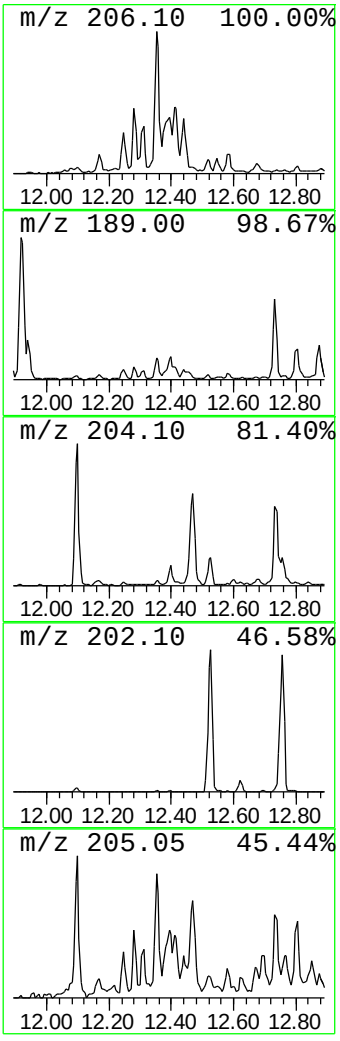
Peak Number 13 unknown12.39 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	4.04 ng	154452	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	25
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	25
4	Tetramisole	204	C11H12N2S	005036-02-2	25
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	25





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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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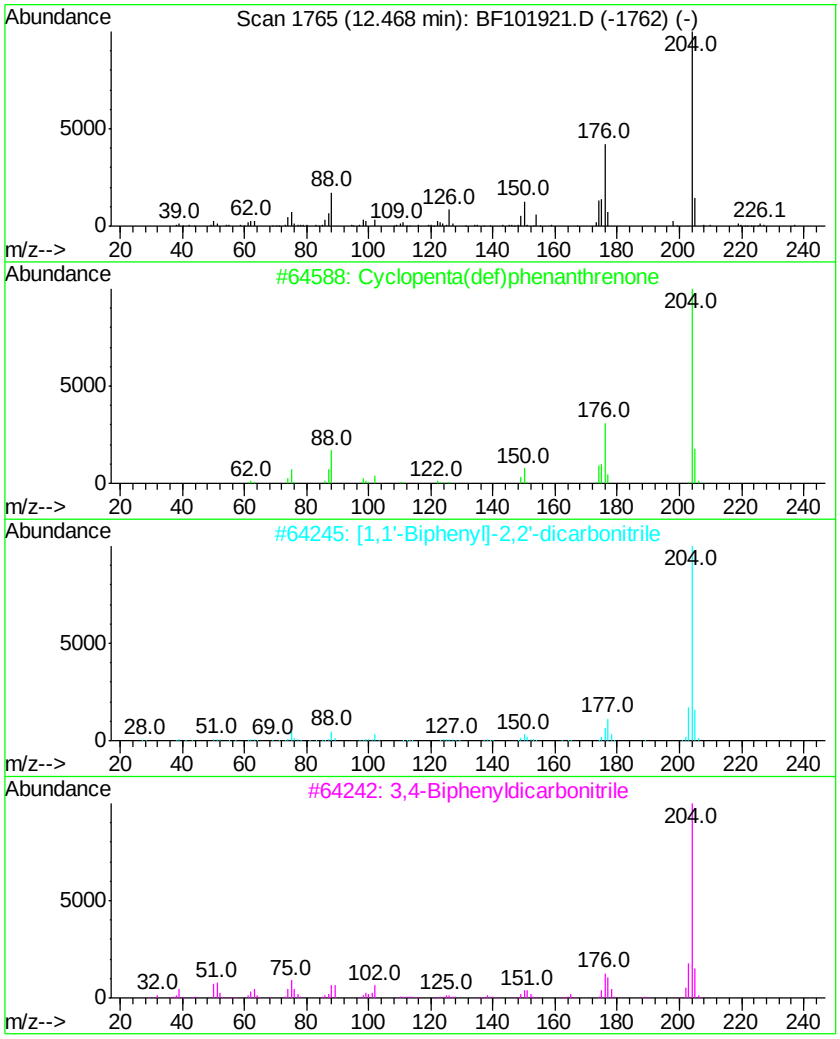
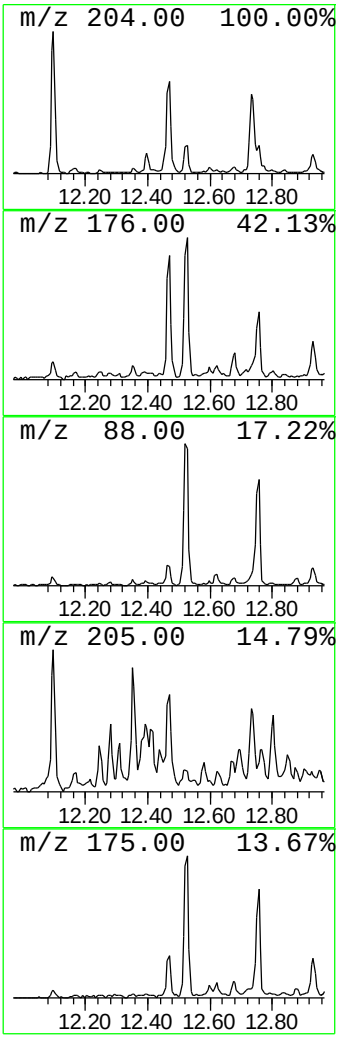
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	5.49 ng	210058	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	42





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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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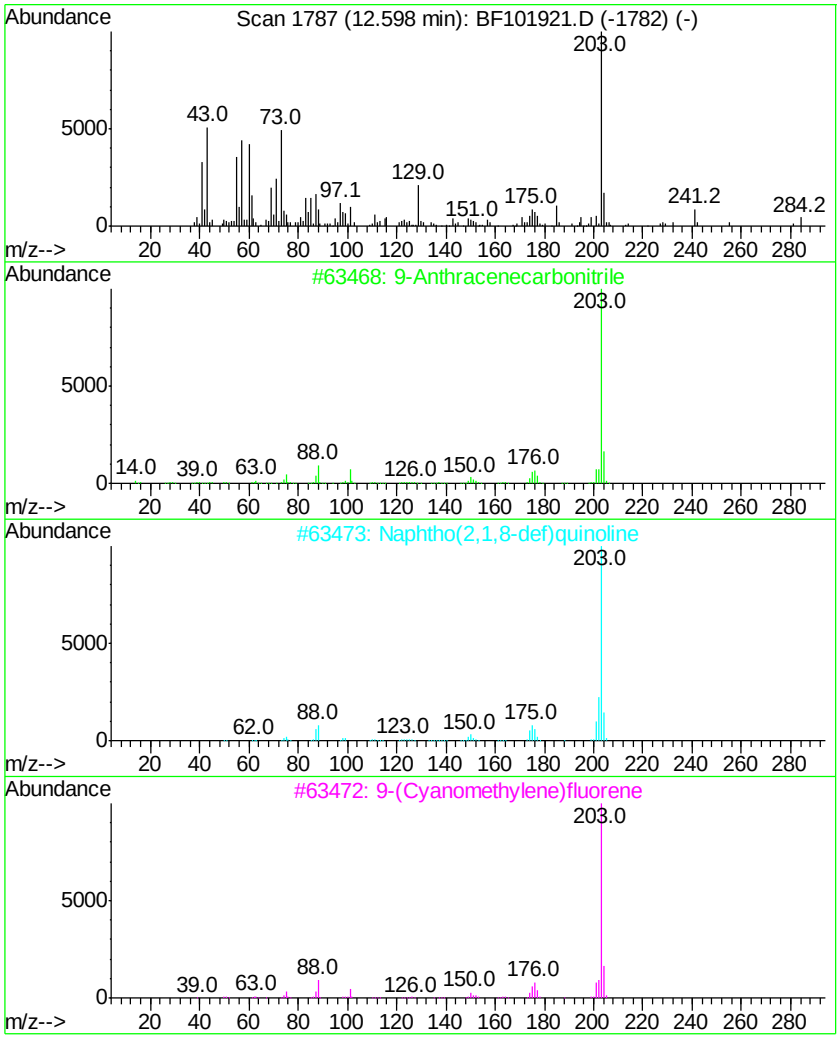
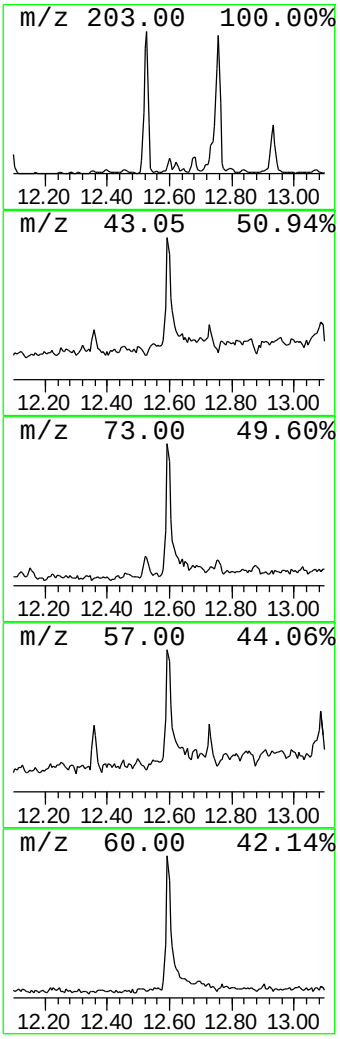
Peak Number 15 9-Anthracenecarbonitrile Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	6.97 ng	266333	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	50
2	Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	49
3	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	46
4	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	45
5	2,9-Dimethyl-2,3,4,5,6,7-hexahyd...	203	C14H21N	077581-11-4	42





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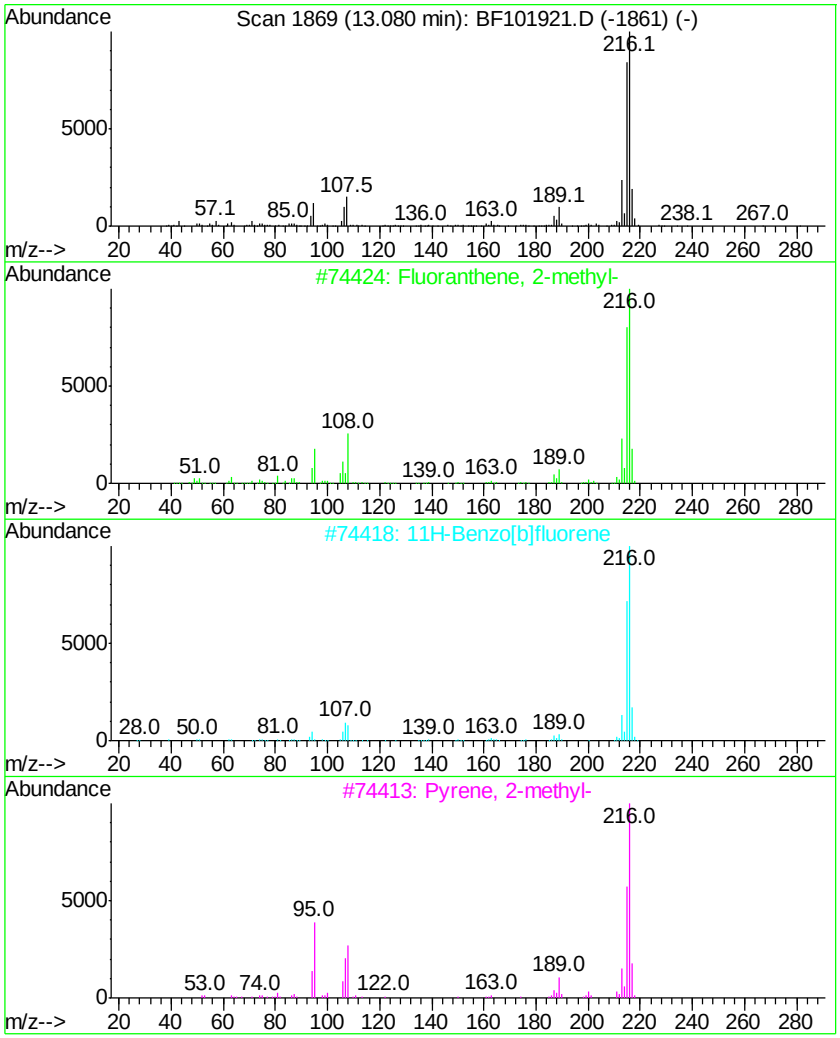
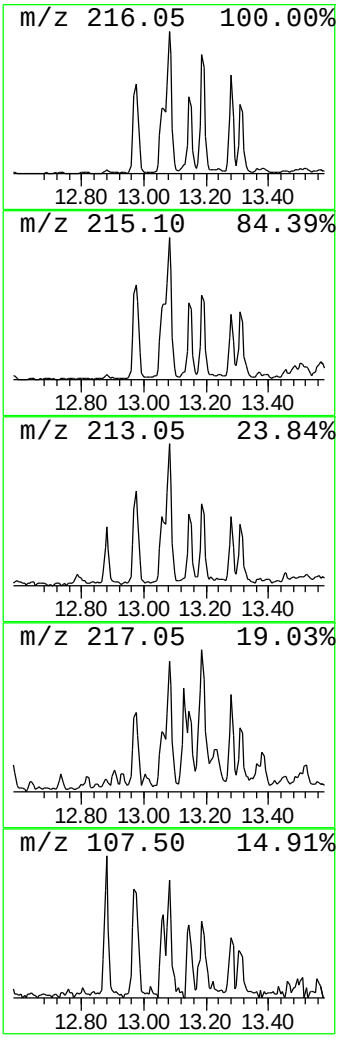
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	4.44 ng	631142	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Sample : J1027-05
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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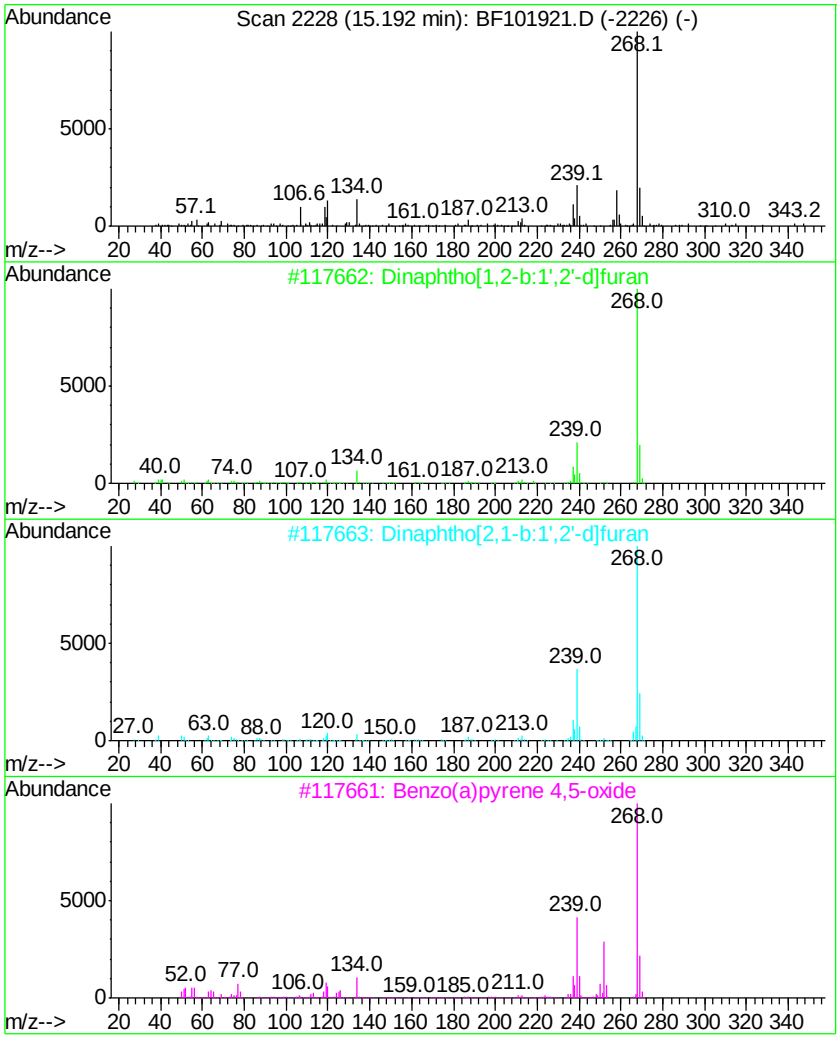
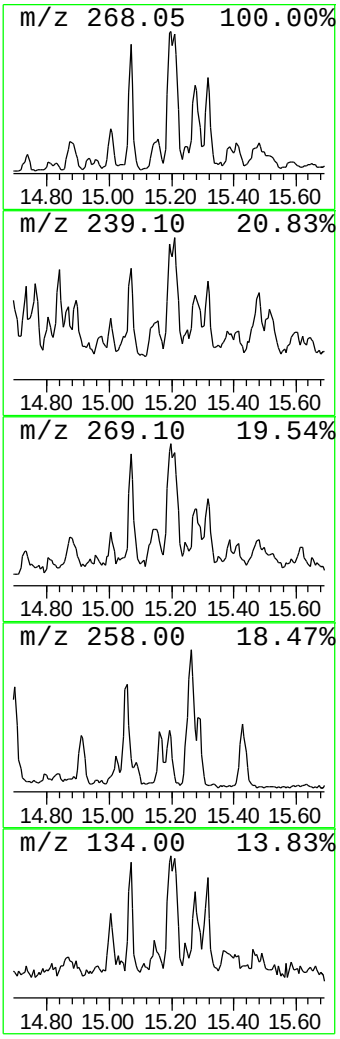
Peak Number 19 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	3.84 ng	139670	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	72
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4	N4,N4'-Dipropyl-biphenyl-4,4'-di...	268	C18H24N2	017576-22-6	53
5	Pyrrolo[3,2-f]quinolin-9-one, 1,...	268	C17H20N2O	1000302-73-3	53





Library Search Compound Report

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Acq On : 5 Jan 2018 11:26
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Sample : J1027-05
Misc :
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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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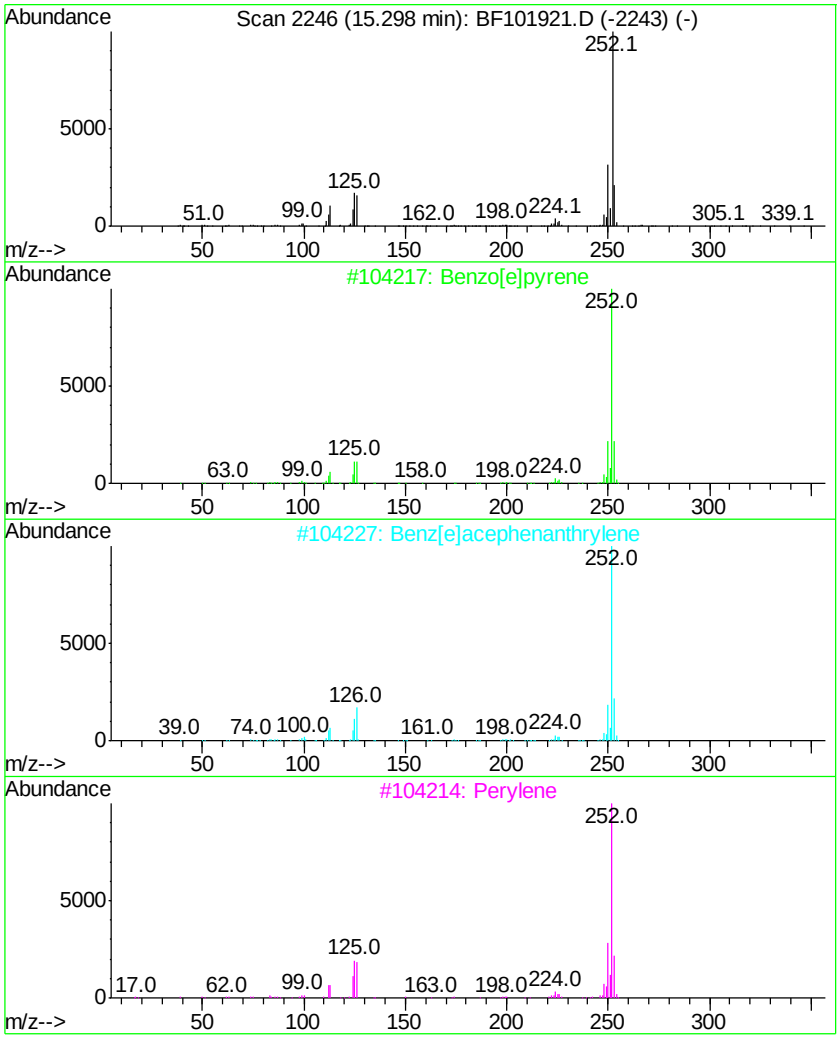
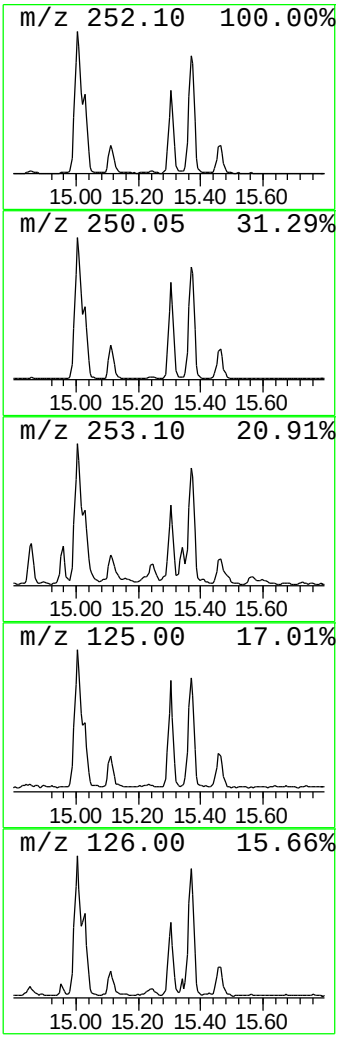
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	21.58 ng	784449	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Perylene	252	C20H12	000198-55-0	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Tentatively Identified Compound (LSC) summary

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Data File : BF101921.D
Acq On : 5 Jan 2018 11:26
Operator : SJ/JU
Sample : J1027-05
Misc :
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Instrument : BNA_F
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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...	5.00	10.6	ng	482263	1	6.77	913067	20.0
unknown6.55	6.55	72.7	ng	3316660	1	6.77	913067	20.0
9H-Fluoren-9-one	11.13	5.4	ng	206752	4	11.30	764560	20.0
Dibenzothiophene	11.20	6.1	ng	233535	4	11.30	764560	20.0
Phenanthrene, 2-m...	11.83	12.7	ng	485859	4	11.30	764560	20.0
4H-Cyclopenta[def...	11.92	14.4	ng	548412	4	11.30	764560	20.0
Phenanthrene, 1-m...	11.94	4.7	ng	179298	4	11.30	764560	20.0
Naphthalene, 2-ph...	12.10	6.8	ng	257954	4	11.30	764560	20.0
9,10-Anthracenedione	12.16	8.6	ng	330355	4	11.30	764560	20.0
9,10-Dimethylanth...	12.35	6.0	ng	231053	4	11.30	764560	20.0
unknown12.39	12.39	4.0	ng	154452	4	11.30	764560	20.0
Cyclopenta(def)ph...	12.47	5.5	ng	210058	4	11.30	764560	20.0
9-Anthracenecarbo...	12.60	7.0	ng	266333	4	11.30	764560	20.0
Fluoranthene, 2-m...	13.08	4.4	ng	631142	5	13.96	2845140	20.0
Dinaphtho[1,2-b:1...	15.19	3.8	ng	139670	6	15.43	726979	20.0
Benzo[e]pyrene	15.30	21.6	ng	784449	6	15.43	726979	20.0