LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101483.D
Acq On : 18 Dec 2017 16:25
Operator : SJ/JU
Sample : I6680-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-121417-B

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	5.016	494	498	516	rVB	448477	609386	7.16%	0.407%
2	5.422	564	567	597	rVB	1644802	2061992	24.23%	1.376%
3	6.445	738	741	752	rBV	1877539	2080588	24.45%	1.389%
4	6.581	760	764	769	rBV	2190274	1997027	23.47%	1.333%
5	6.810	799	803	809	rBV	1134941	1129719	13.28%	0.754%
6	6.963	825	829	842	rVB	1752039	1595049	18.75%	1.065%
7	7.375	896	899	905	rBV	1287356	1221850	14.36%	0.815%
8	8.092	1017	1021	1023	rBV	1615505	1515159	17.81%	1.011%
9	8.116	1023	1025	1031	rVV	1845571	1567626	18.42%	1.046%
10	8.804	1138	1142	1149	rBV	2009715	1731068	20.35%	1.155%
11	8.904	1154	1159	1166	rVB	2057959	1768026	20.78%	1.180%
12	9.163	1198	1203	1207	rBV	2320718	2028821	23.84%	1.354%
13	9.363	1235	1237	1243	rVB	371012	421163	4.95%	0.281%
14	9.433	1244	1249	1253	rBV	1065350	1435299	16.87%	0.958%
15	9.504	1257	1261	1264	rBV	1645862	1840413	21.63%	1.228%
16	9.533	1264	1266	1269	rVV	1274958	1026401	12.06%	0.685%
17	9.622	1277	1281	1289	rVB	1034260	1233426	14.50%	0.823%
18	9.710	1293	1296	1301	rVB2	1835715	1648360	19.37%	1.100%
19	9.845	1317	1319	1322	rVV	1271216	1214246	14.27%	0.810%
20	9.880	1322	1325	1328	rVB	1998404	1671839	19.65%	1.116%
21	9.951	1334	1337	1341	rVB2	348864	457690	5.38%	0.305%
22	10.051	1350	1354	1357	rVV2	1560256	1678033	19.72%	1.120%
23	10.086	1357	1360	1364	rVB	754214	690536	8.12%	0.461%
24	10.163	1369	1373	1376	rBV	768676	801305	9.42%	0.535%
25	10.192	1376	1378	1383	rVB	561352	460577	5.41%	0.307%
26	10.245	1383	1387	1390	rBV2	455973	757801	8.91%	0.506%
27	10.404	1410	1414	1418	rVV	3183522	3292852	38.70%	2.198%
28	10.463	1422	1424	1425	rVV2	626332	512438	6.02%	0.342%
29	10.480	1425	1427	1429	rVV2	644243	579372	6.81%	0.387%
30	10.510	1429	1432	1434	rVV	432233	475412	5.59%	0.317%
31	10.551	1434	1439	1443	rVV3	659514	964985	11.34%	0.644%
32	10.639	1448	1454	1458	rVV3	1226409	1679367	19.74%	1.121%
33	10.757	1472	1474	1480	rVB3	324473	458567	5.39%	0.306%
34	10.945	1501	1506	1509	rBV2	1115691	1427518	16.78%	0.953%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101483.D
Acq On : 18 Dec 2017 16:25
Operator : SJ/JU
Sample : I6680-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-121417-B

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	10.974	1509	1511	1514	rVV	934727	801130	9.42%	0.535%
36	11.027	1518	1520	1523	rVB	781262	614771	7.23%	0.410%
37	11.074	1523	1528	1530	rBV2	339299	601869	7.07%	0.402%
38	11.098	1530	1532	1537	rVV2	370737	470514	5.53%	0.314%
39	11.186	1544	1547	1550	rVV2	490604	527541	6.20%	0.352%
40	11.239	1550	1556	1561	rVB	1226107	1307606	15.37%	0.873%
41	11.345	1570	1574	1575	rBV	928539	1029753	12.10%	0.687%
42	11.380	1575	1580	1583	rVV	5186811	8179288	96.13%	5.459%
43	11.427	1583	1588	1590	rVV	3299822	3174677	37.31%	2.119%
44	11.451	1590	1592	1595	rVV	502973	624875	7.34%	0.417%
45	11.498	1598	1600	1605	rVV3	308390	462353	5.43%	0.309%
46	11.574	1609	1613	1618	rBV2	1128437	1401498	16.47%	0.935%
47	11.674	1625	1630	1634	rVB3	628467	769421	9.04%	0.514%
48	11.757	1640	1644	1647	rBV	382914	444246	5.22%	0.296%
49	11.845	1655	1659	1662	rBV	2351248	2351663	27.64%	1.569%
50	11.874	1662	1664	1668	rVB	2523280	2397816	28.18%	1.600%
51	11.927	1668	1673	1675	rBV	1105057	1185474	13.93%	0.791%
52	11.963	1675	1679	1681	rVV2	3146562	3821860	44.92%	2.551%
53	11.980	1681	1682	1686	rVB	1950561	1439475	16.92%	0.961%
54	12.133	1705	1708	1713	rVV	1166084	1118582	13.15%	0.747%
55	12.180	1713	1716	1719	rVB3	467482	516669	6.07%	0.345%
56	12.321	1737	1740	1742	rBV	539048	453398	5.33%	0.303%
57	12.345	1742	1744	1747	rVB	532913	410152	4.82%	0.274%
58	12.398	1749	1753	1755	rBV	1587876	1791242	21.05%	1.195%
59	12.433	1755	1759	1761	rVV2	963446	1282752	15.08%	0.856%
60	12.498	1765	1770	1773	rBV2	694753	1091967	12.83%	0.729%
61	12.580	1777	1784	1786	rBV	4805035	7334463	86.20%	4.895%
62	12.621	1789	1791	1795	rVB2	476529	486112	5.71%	0.324%
63	12.715	1804	1807	1810	rBV	705424	742559	8.73%	0.496%
64	12.810	1815	1823	1826	rBV2	4724450	8508544	100.00%	5.679%
65	12.839	1826	1828	1832	rVB2	783614	784516	9.22%	0.524%
66	12.921	1832	1842	1845	rBV2	1519020	2298459	27.01%	1.534%
67	13.010	1852	1857	1861	rBV3	1074675	1838875	21.61%	1.227%
68	13.098	1868	1872	1873	rVV2	841276	1007957	11.85%	0.673%
69	13.127	1874	1877	1881	rVB	2010452	2037633	23.95%	1.360%
70	13.192	1884	1888	1890	rVV	1761673	1789888	21.04%	1.195%
71	13.227	1890	1894	1897	rVV2	1397527	1624314	19.09%	1.084%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101483.D
Acq On : 18 Dec 2017 16:25
Operator : SJ/JU
Sample : I6680-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-121417-B

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	13.321	1906	1910	1912	rBV	1124189	997963	11.73%	0.666%
73	13.351	1912	1915	1918	rVB	1186067	992988	11.67%	0.663%
74	13.521	1941	1944	1946	rVV	511179	621604	7.31%	0.415%
75	13.545	1946	1948	1954	rVV2	514627	720110	8.46%	0.481%
76	13.604	1954	1958	1961	rVV3	509153	785370	9.23%	0.524%
77	13.639	1961	1964	1967	rVV2	620545	774997	9.11%	0.517%
78	13.745	1977	1982	1984	rVV2	918938	1240358	14.58%	0.828%
79	13.768	1984	1986	1988	rVV	1030900	839190	9.86%	0.560%
80	13.798	1988	1991	1997	rVV3	888360	1360718	15.99%	0.908%
81	13.851	1997	2000	2006	rVB3	439433	641545	7.54%	0.428%
82	13.992	2018	2024	2028	rBV2	3103578	5779415	67.92%	3.857%
83	14.033	2028	2031	2036	rVB	3212321	3453653	40.59%	2.305%
84	14.104	2041	2043	2046	rVV	914738	758836	8.92%	0.506%
85	14.157	2049	2052	2056	rVV3	583850	707985	8.32%	0.473%
86	14.345	2081	2084	2086	rBV	404985	427945	5.03%	0.286%
87	14.386	2086	2091	2094	rVV	1248102	1655667	19.46%	1.105%
88	14.415	2094	2096	2100	rVV	713946	753355	8.85%	0.503%
89	14.457	2100	2103	2105	rVV3	486818	595486	7.00%	0.397%
90	14.486	2105	2108	2110	rVV2	547093	600828	7.06%	0.401%
91	14.509	2110	2112	2114	rVV	861631	850312	9.99%	0.567%
92	14.533	2114	2116	2119	rVB2	607240	543659	6.39%	0.363%
93	15.056	2199	2205	2207	rBV	1945259	3579834	42.07%	2.389%
94	15.151	2218	2221	2225	rVB	635217	679454	7.99%	0.453%
95	15.351	2250	2255	2261	rVV	1394542	1758499	20.67%	1.174%
96	15.421	2261	2267	2272	rVB	2002984	2976930	34.99%	1.987%
97	15.474	2272	2276	2278	rBV	476417	546281	6.42%	0.365%
98	15.509	2278	2282	2287	rVB2	720151	1014173	11.92%	0.677%
99	16.968	2522	2530	2535	rVB2	911298	1901496	22.35%	1.269%
100	17.421	2600	2607	2614	rVB	681295	1520043	17.86%	1.014%

Sum of corrected areas: 149836517

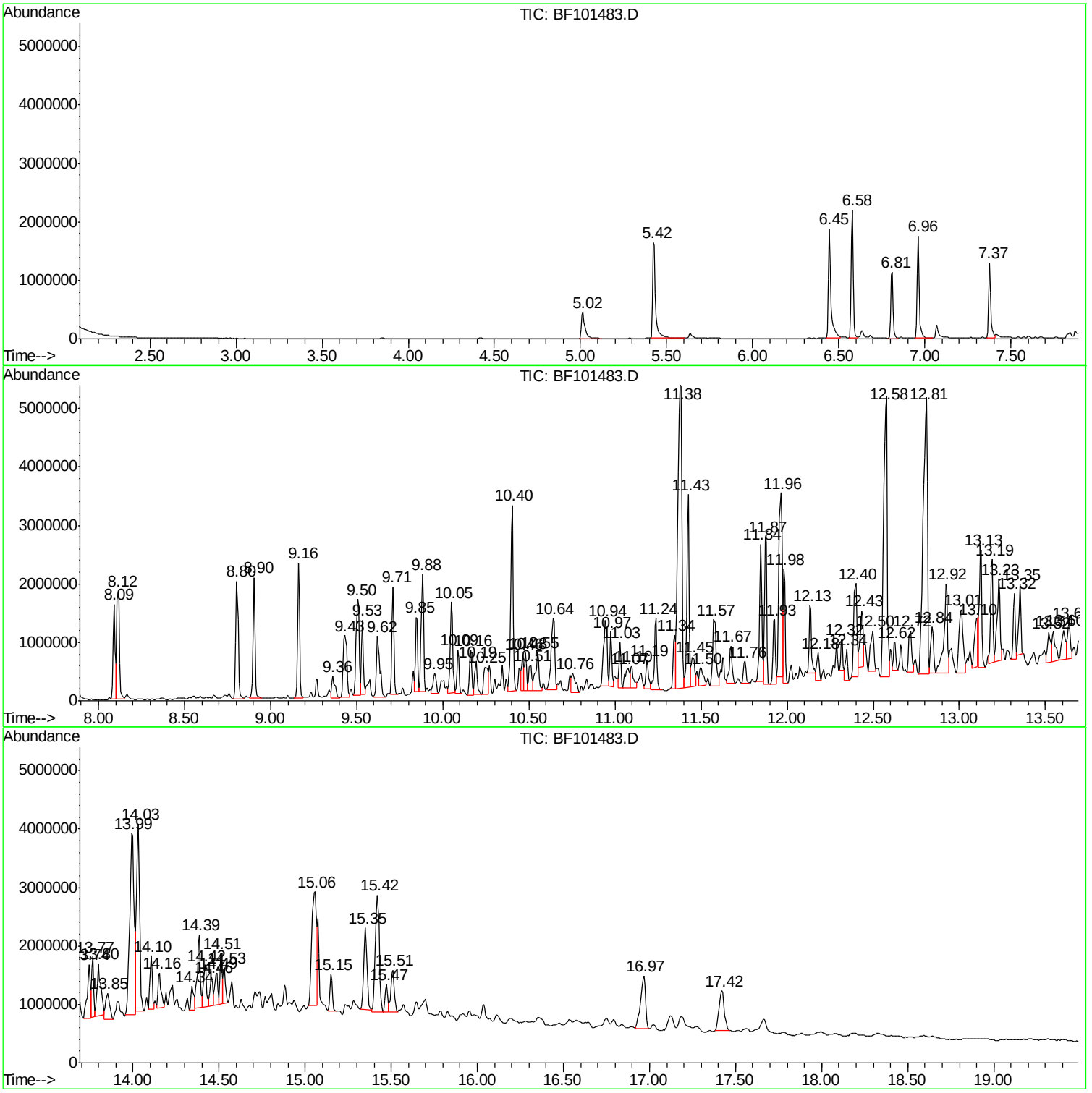
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101483.D
Acq On : 18 Dec 2017 16:25
Operator : SJ/JU
Sample : I6680-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-121417-B

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101483.D
Acq On : 18 Dec 2017 16:25
Operator : SJ/JU
Sample : I6680-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-121417-B

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

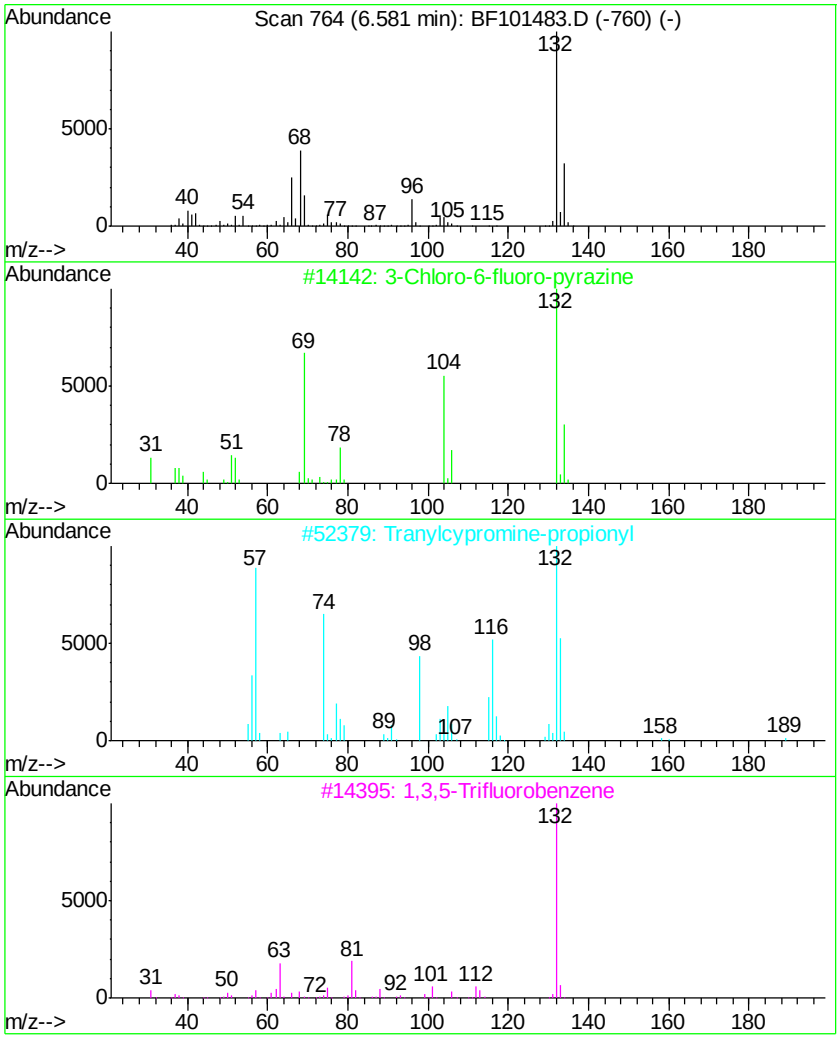
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

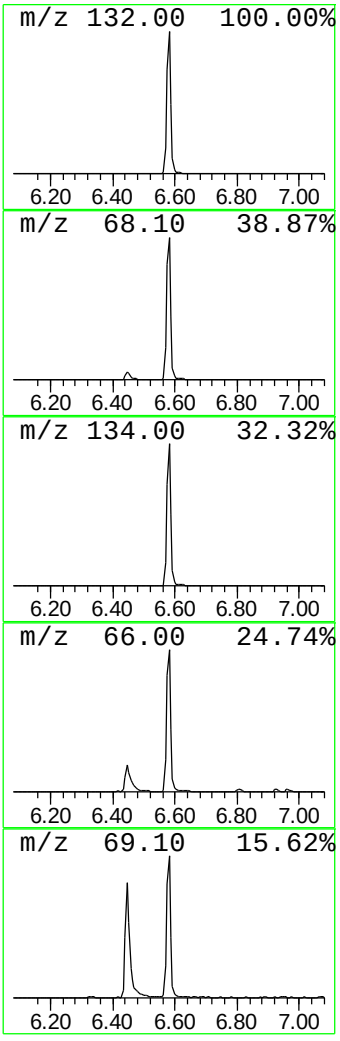
****

Peak Number 1 unknown6.58 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	35.35 ng	1997030	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101483.D
Acq On : 18 Dec 2017 16:25
Operator : SJ/JU
Sample : I6680-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-121417-B

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

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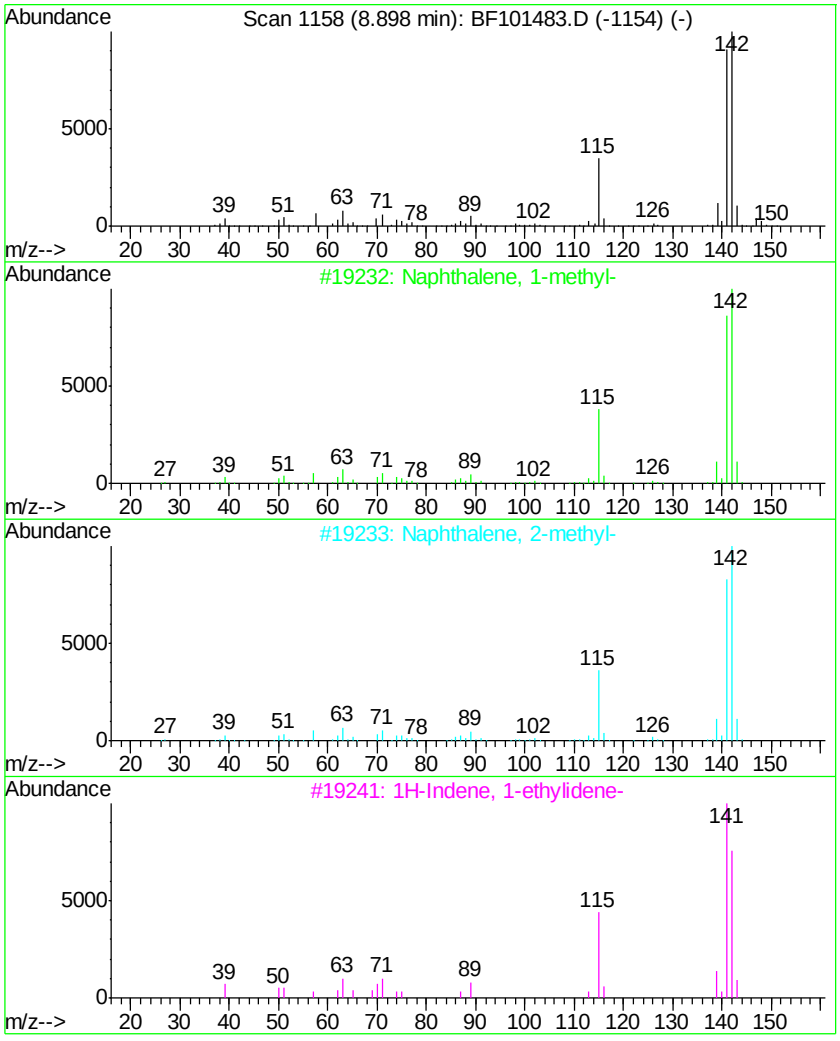
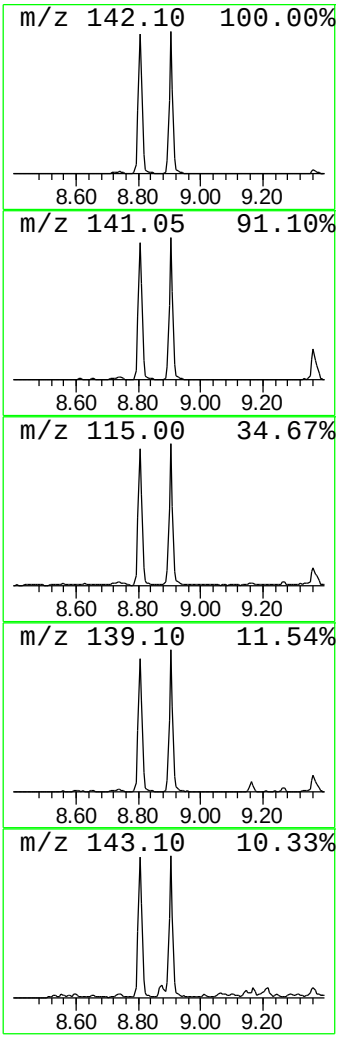
Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	23.34 ng	1768030	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101483.D
Acq On : 18 Dec 2017 16:25
Operator : SJ/JU
Sample : I6680-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-121417-B

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

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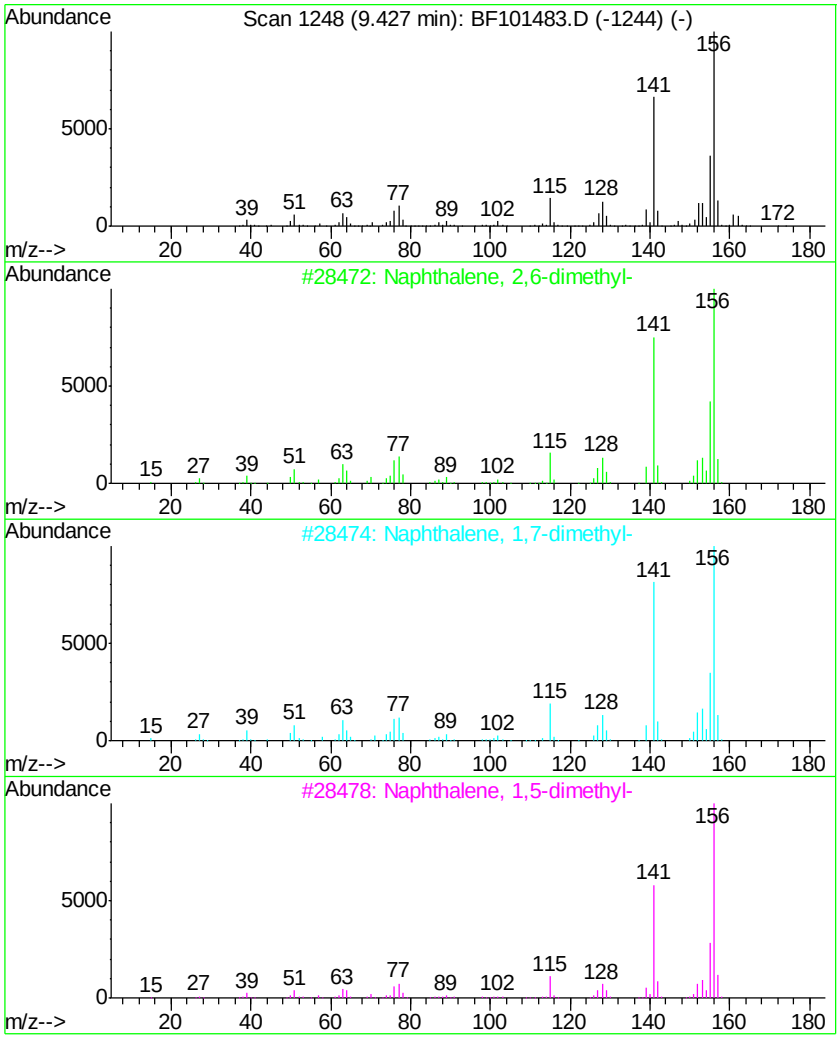
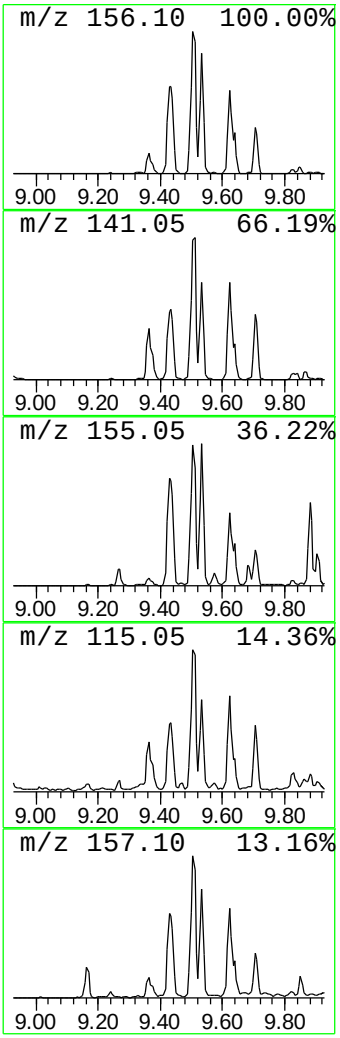
Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	23.64 ng	1435300	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101483.D
Acq On : 18 Dec 2017 16:25
Operator : SJ/JU
Sample : I6680-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-121417-B

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

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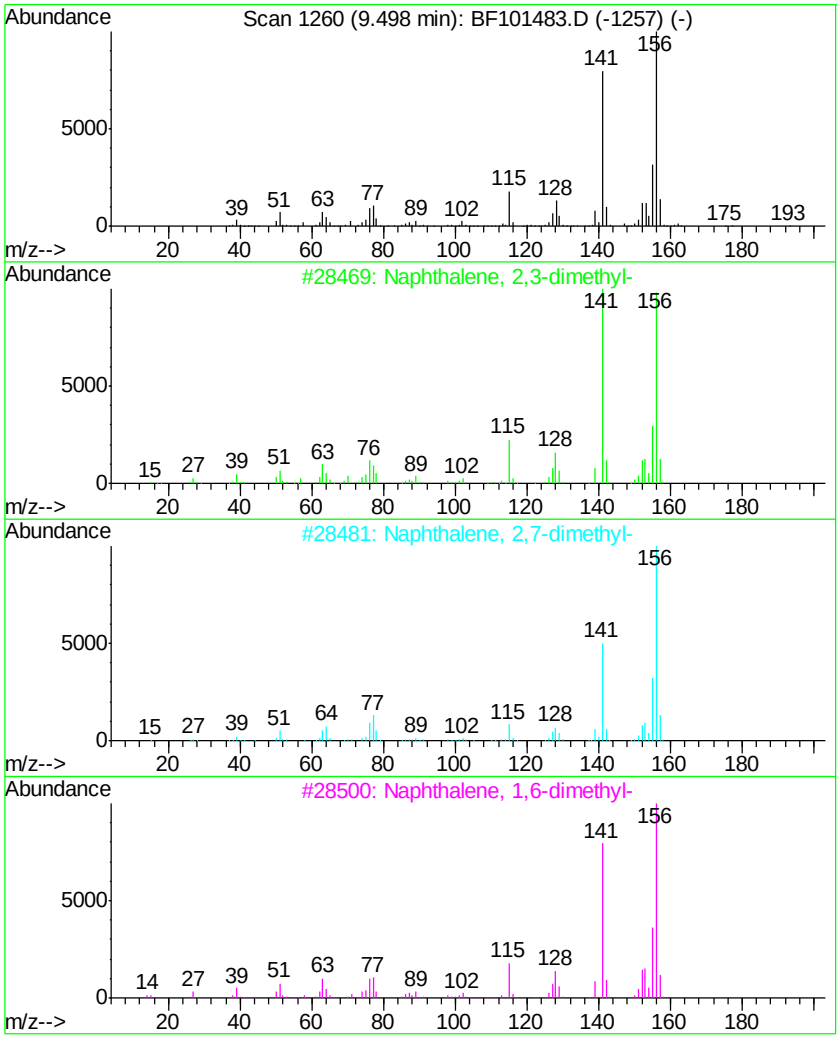
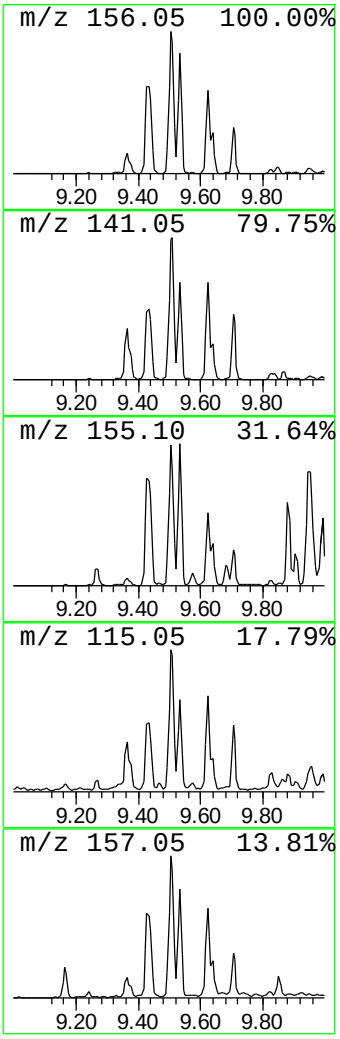
Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	30.31 ng	1840410	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101483.D
Acq On : 18 Dec 2017 16:25
Operator : SJ/JU
Sample : I6680-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-121417-B

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

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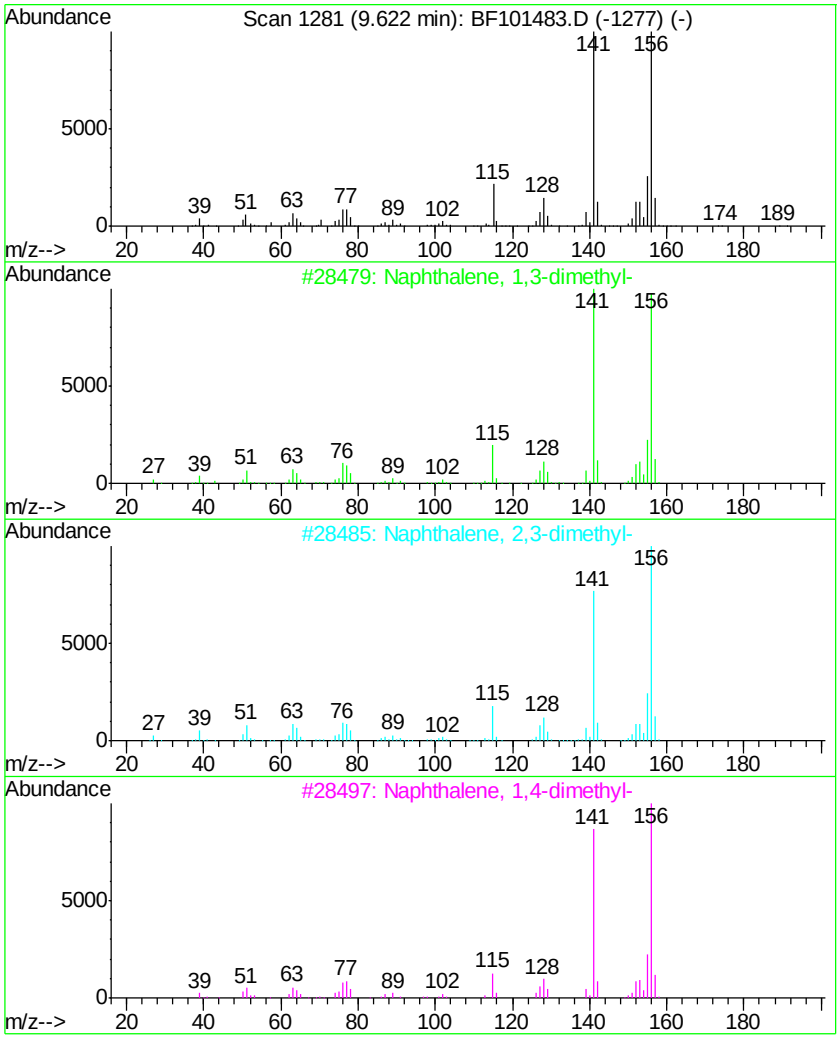
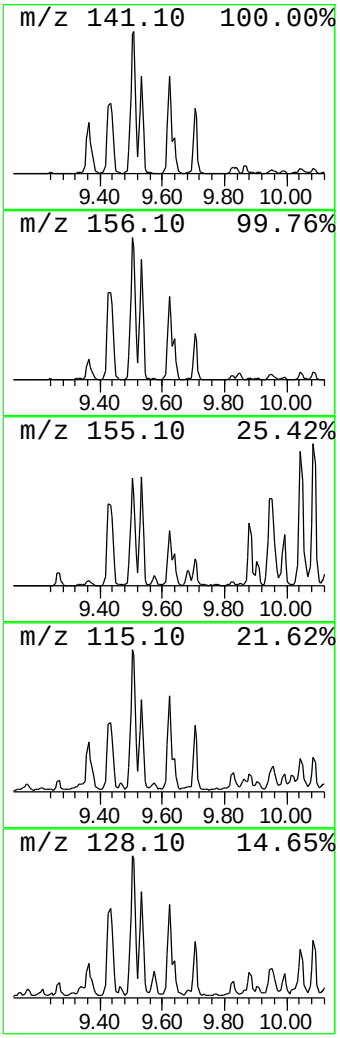
Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	20.32 ng	1233430	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





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Data File : BF101483.D
Acq On : 18 Dec 2017 16:25
Operator : SJ/JU
Sample : I6680-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-121417-B

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

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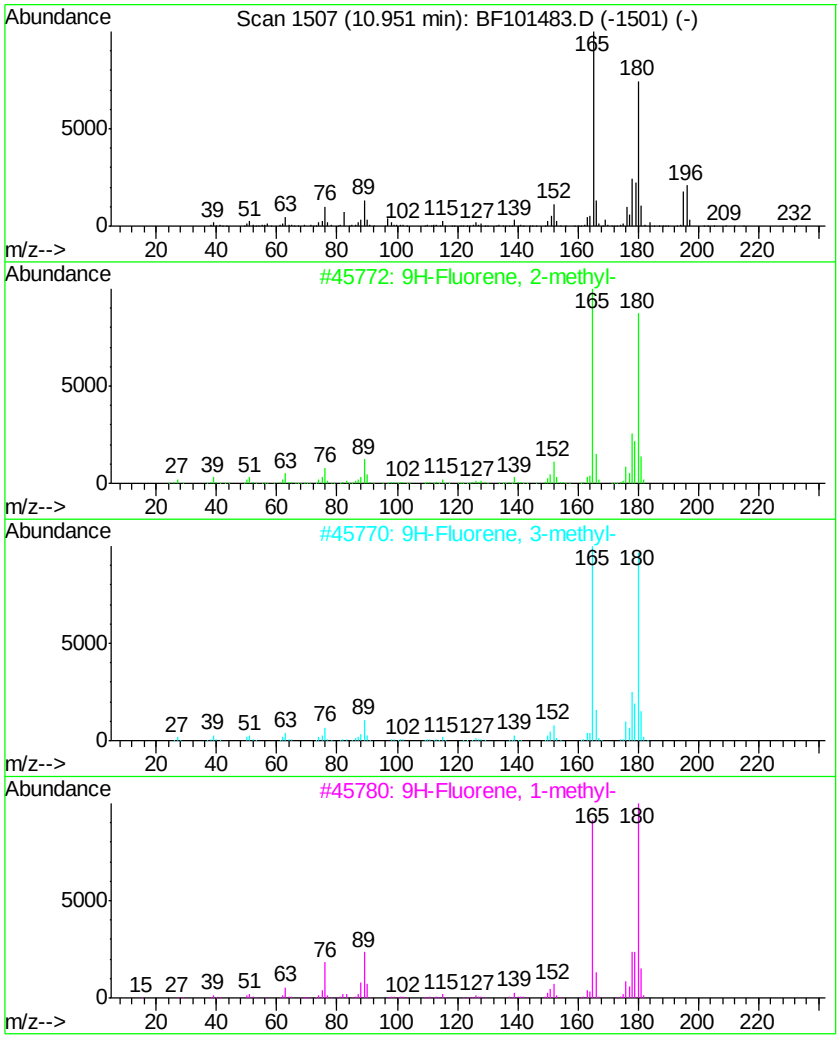
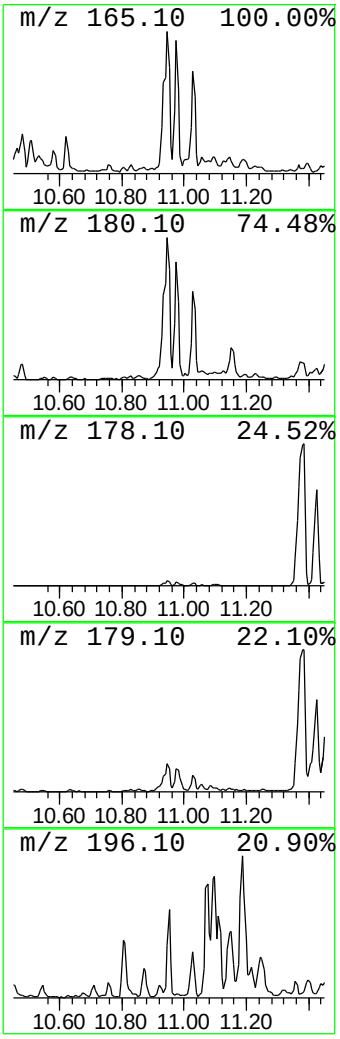
Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	27.73 ng	1427520	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-121417-B

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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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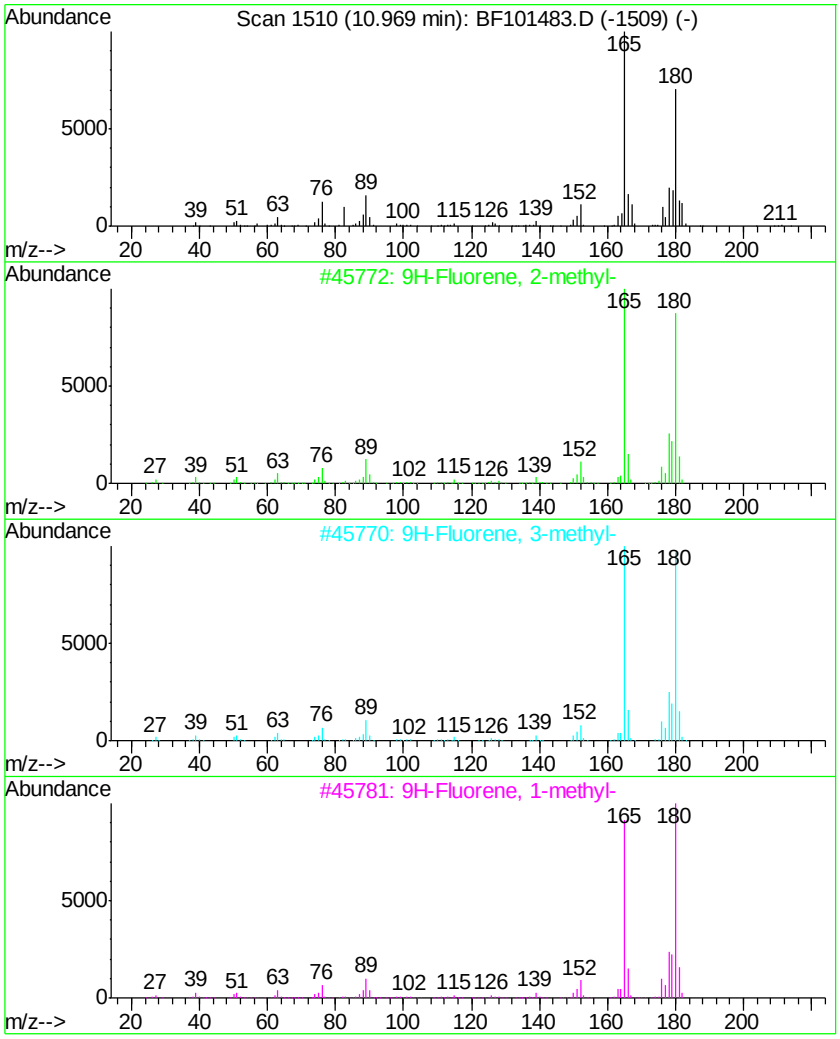
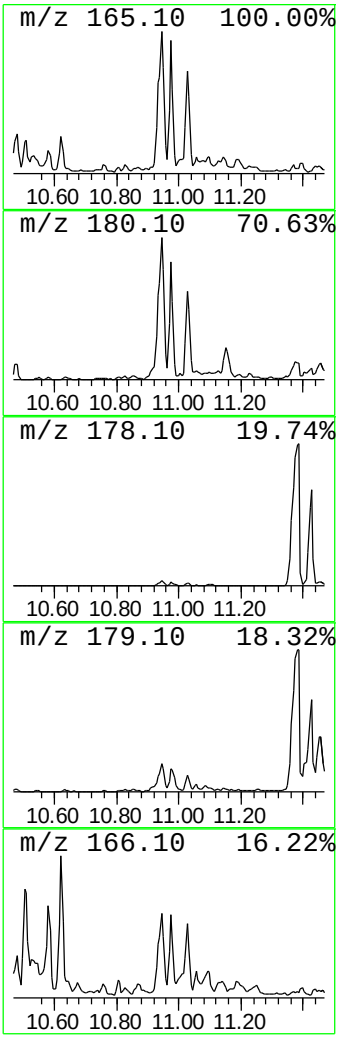
Peak Number 8 9H-Fluorene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	15.56 ng	801130	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	53





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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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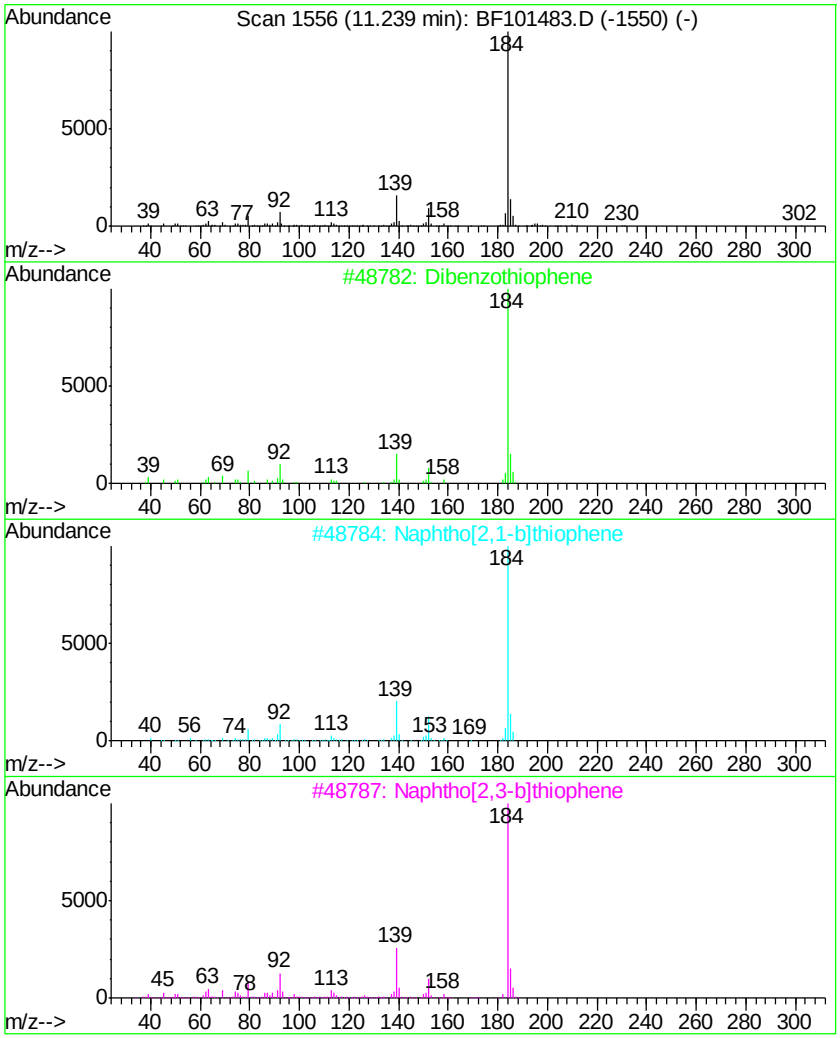
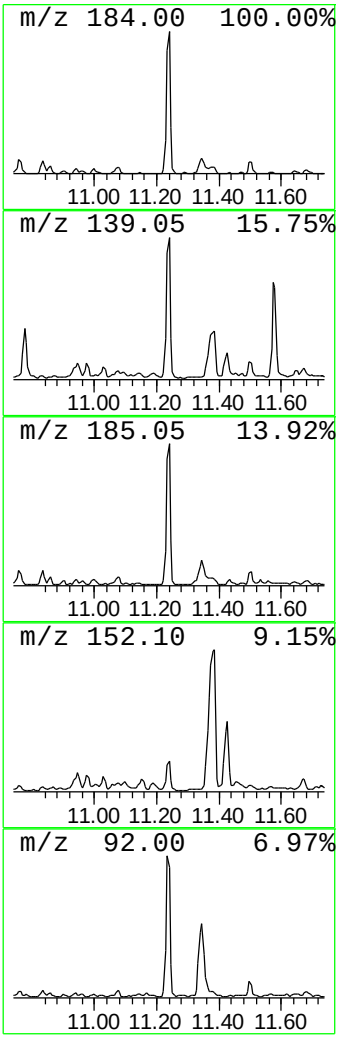
Peak Number 9 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	25.40 ng	1307610	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	72





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ClientSampleId : CL-02-121417-B

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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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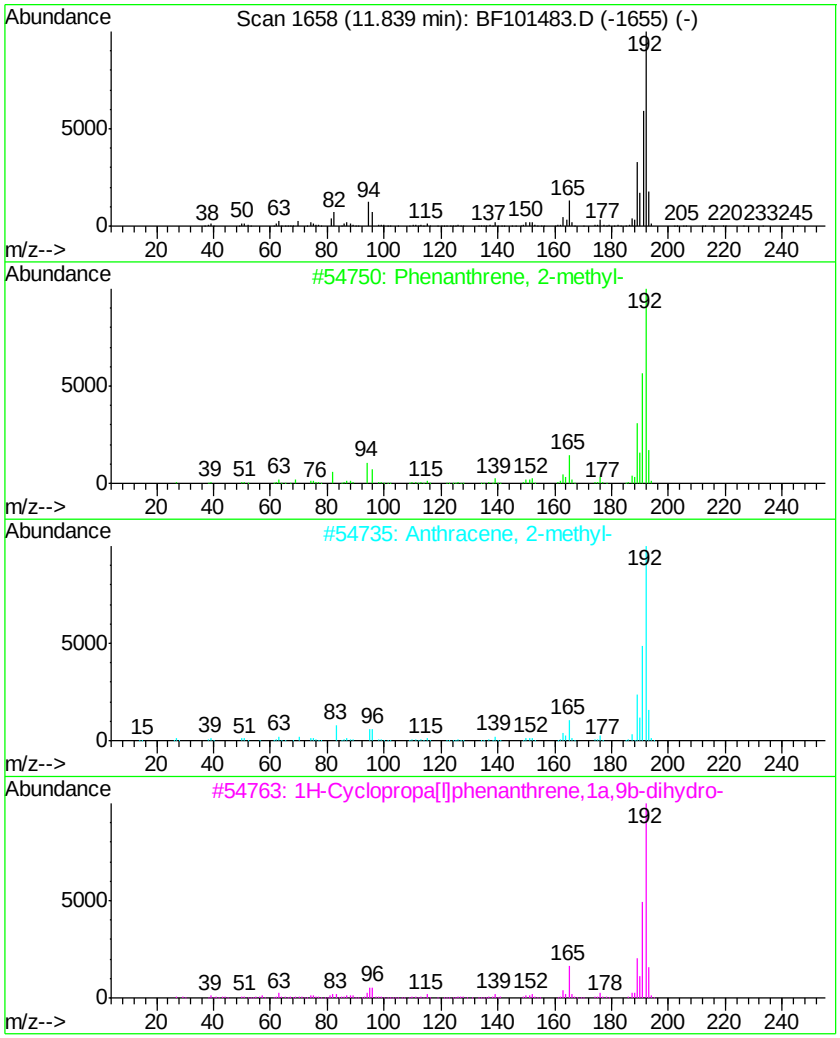
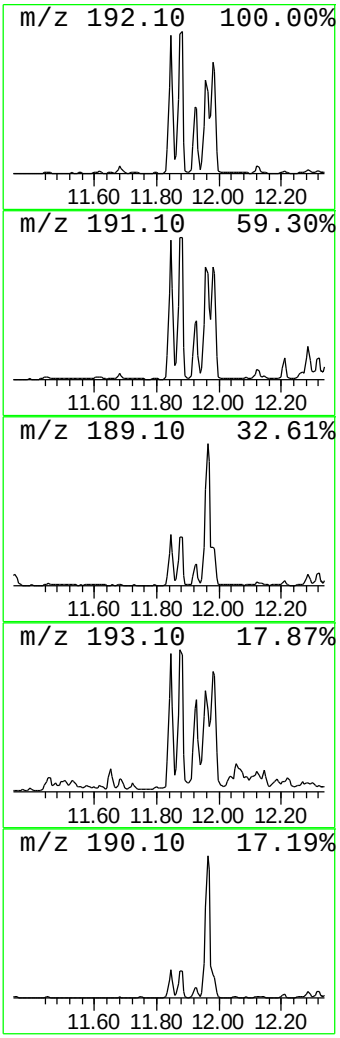
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	45.67 ng	2351660	Phenanthrene-d10	11.35

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Misc :
ALS Vial : 12 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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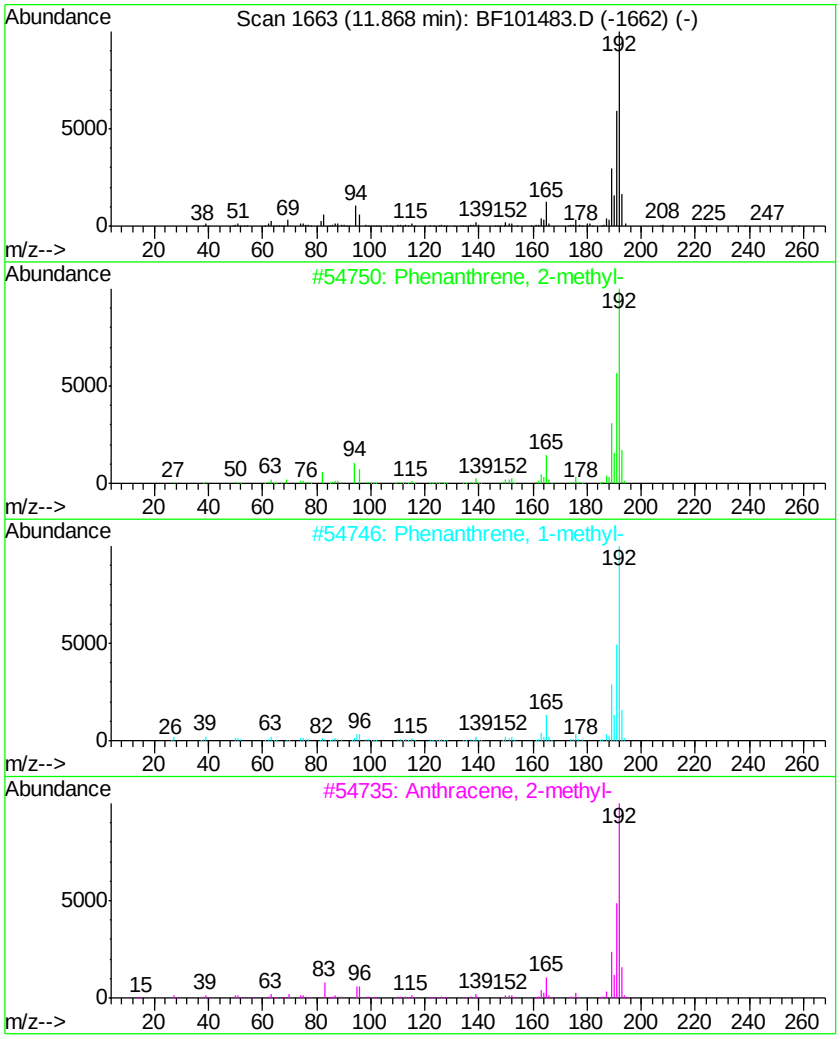
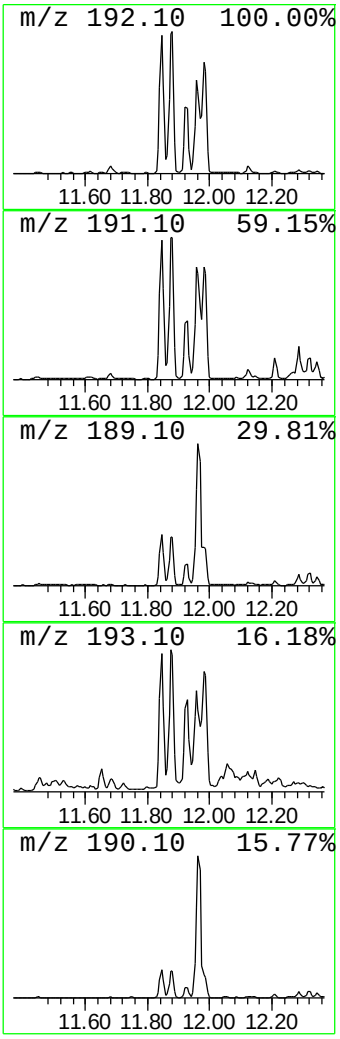
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	46.57 ng	2397820	Phenanthrene-d10	11.35

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	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Misc :
ALS Vial : 12 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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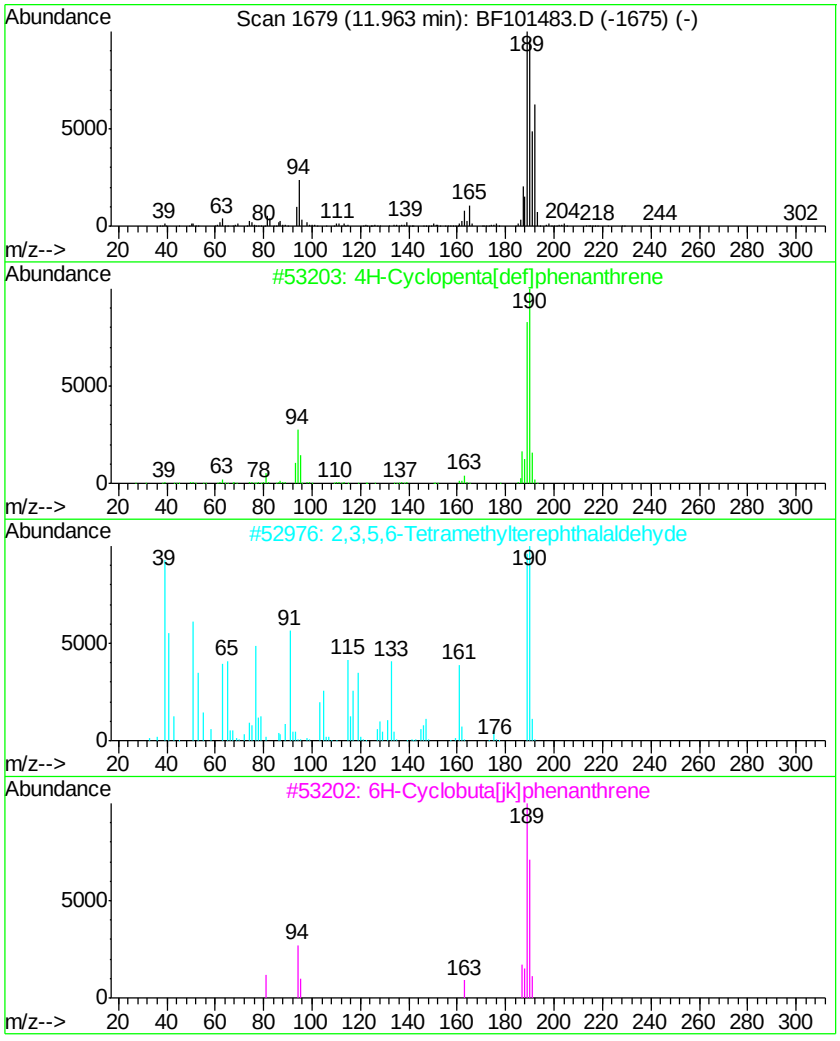
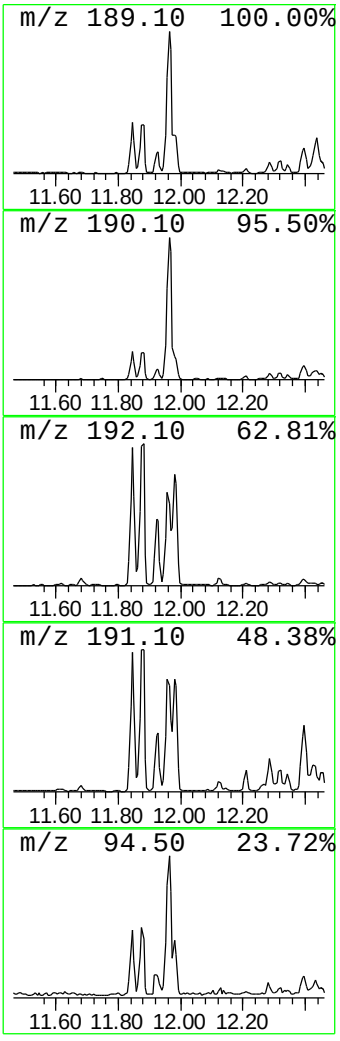
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	74.23 ng	3821860	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40
5	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-121417-B

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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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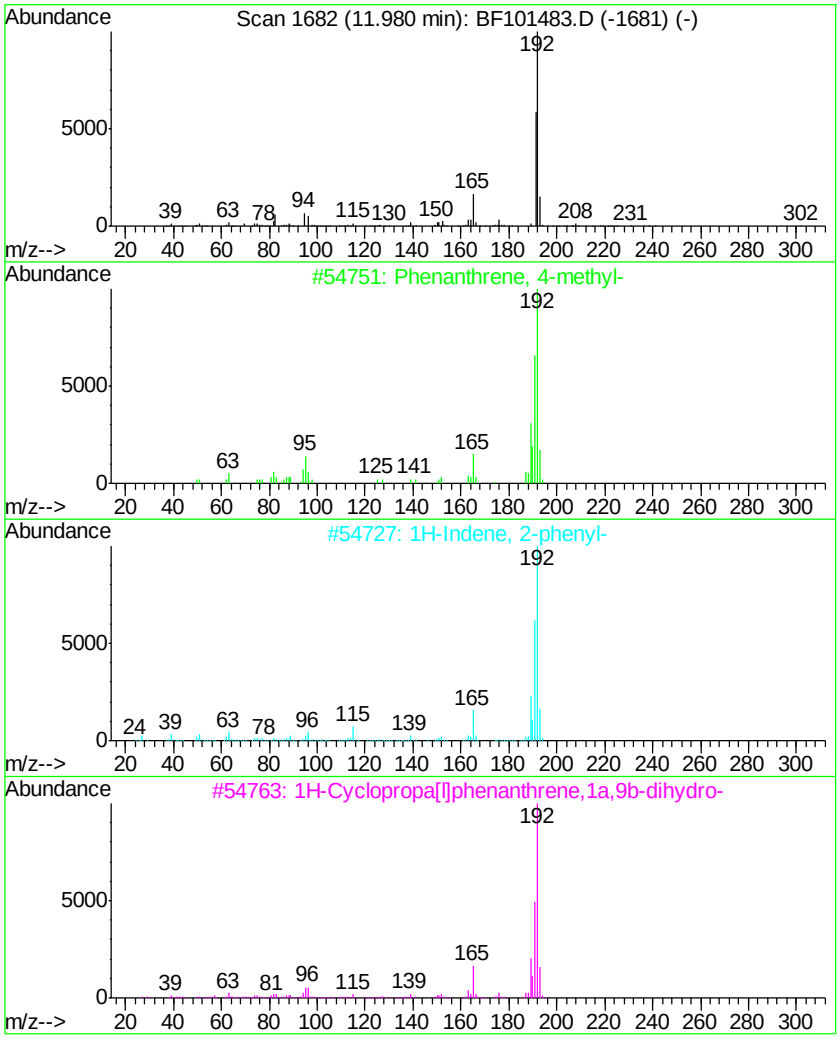
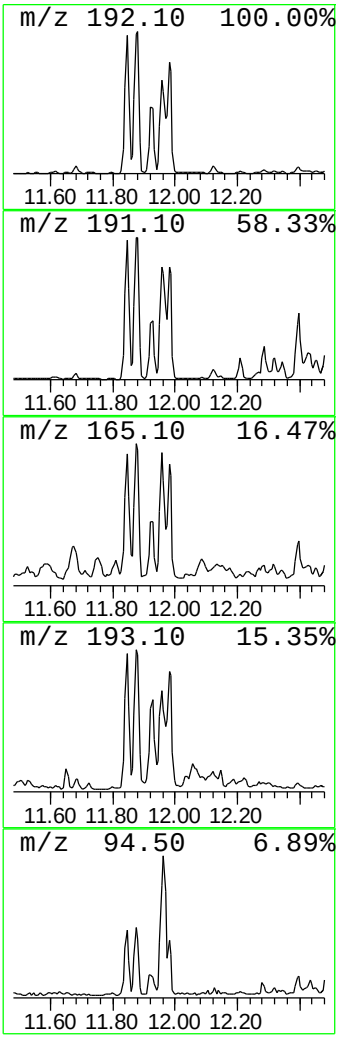
Peak Number 14 Phenanthrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	27.96 ng	1439480	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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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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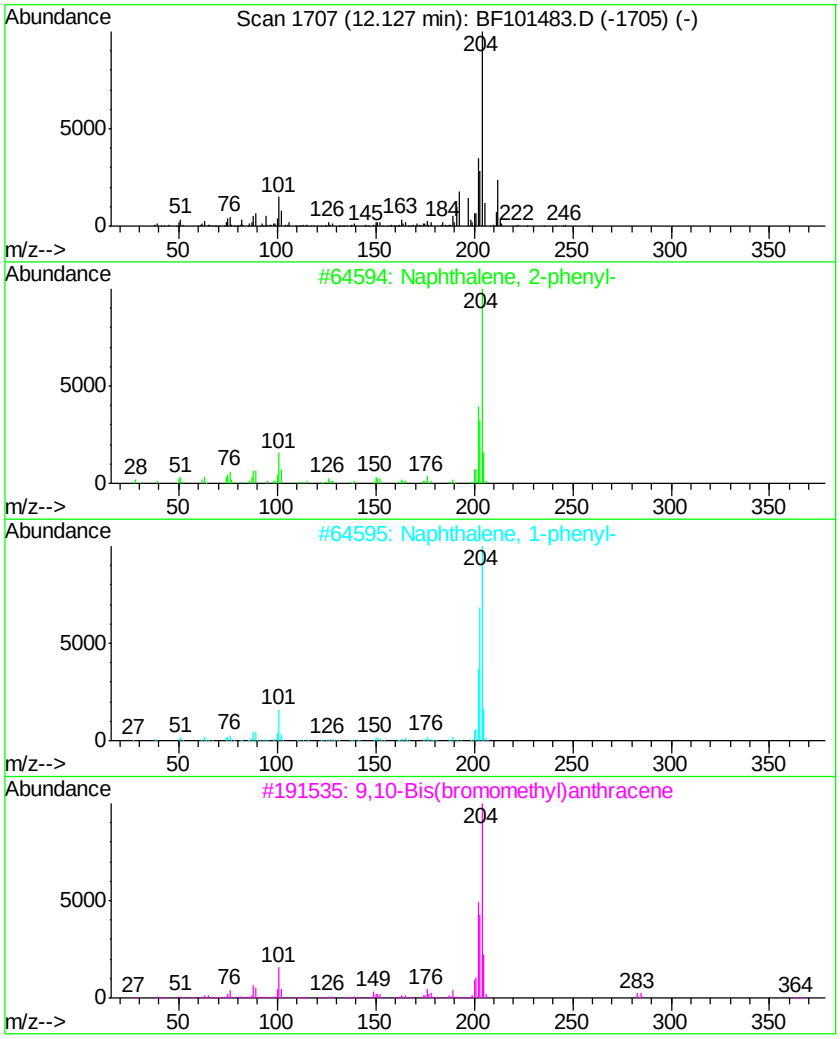
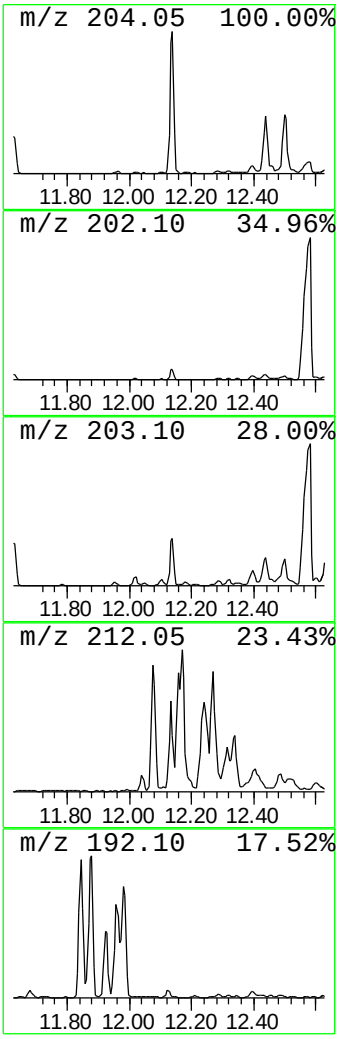
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	21.73 ng	1118580	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Levamisole	204	C11H12N2S	014769-73-4	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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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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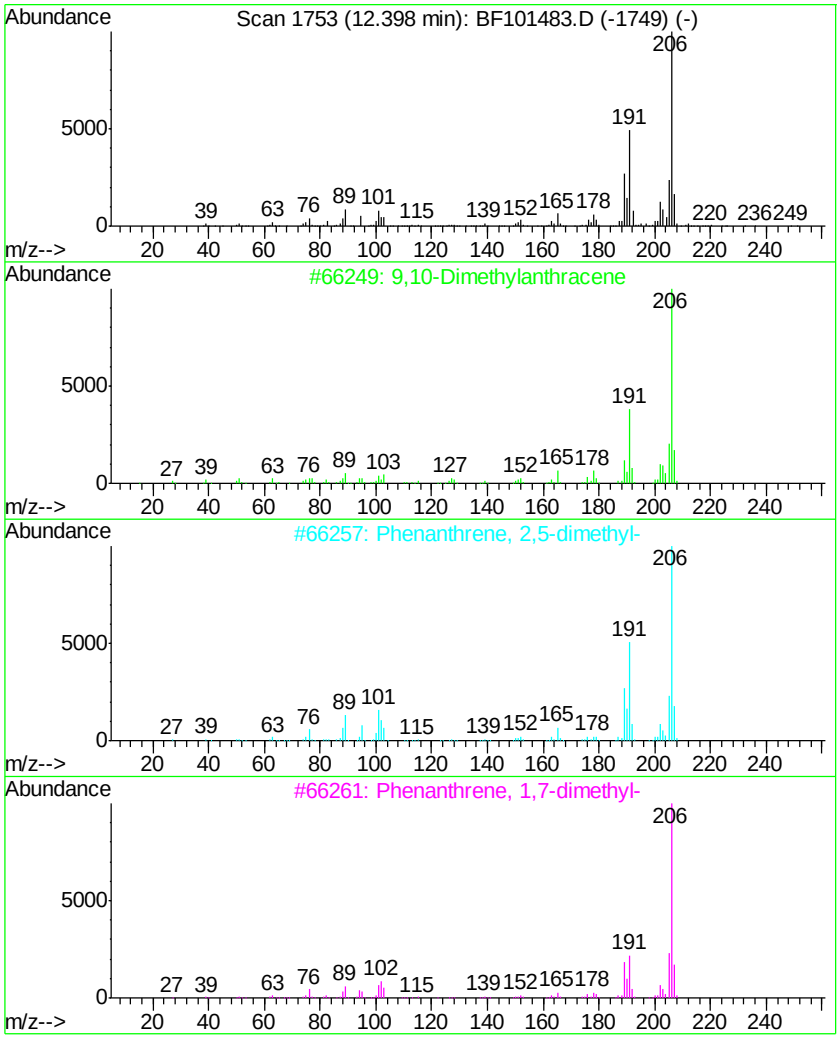
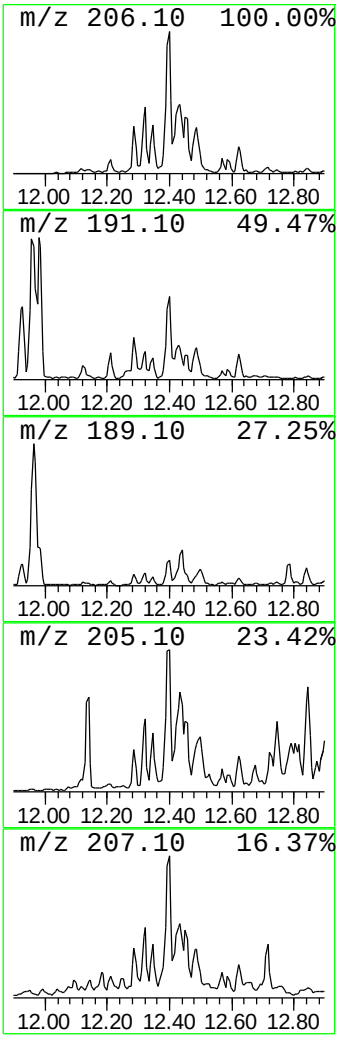
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	34.79 ng	1791240	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	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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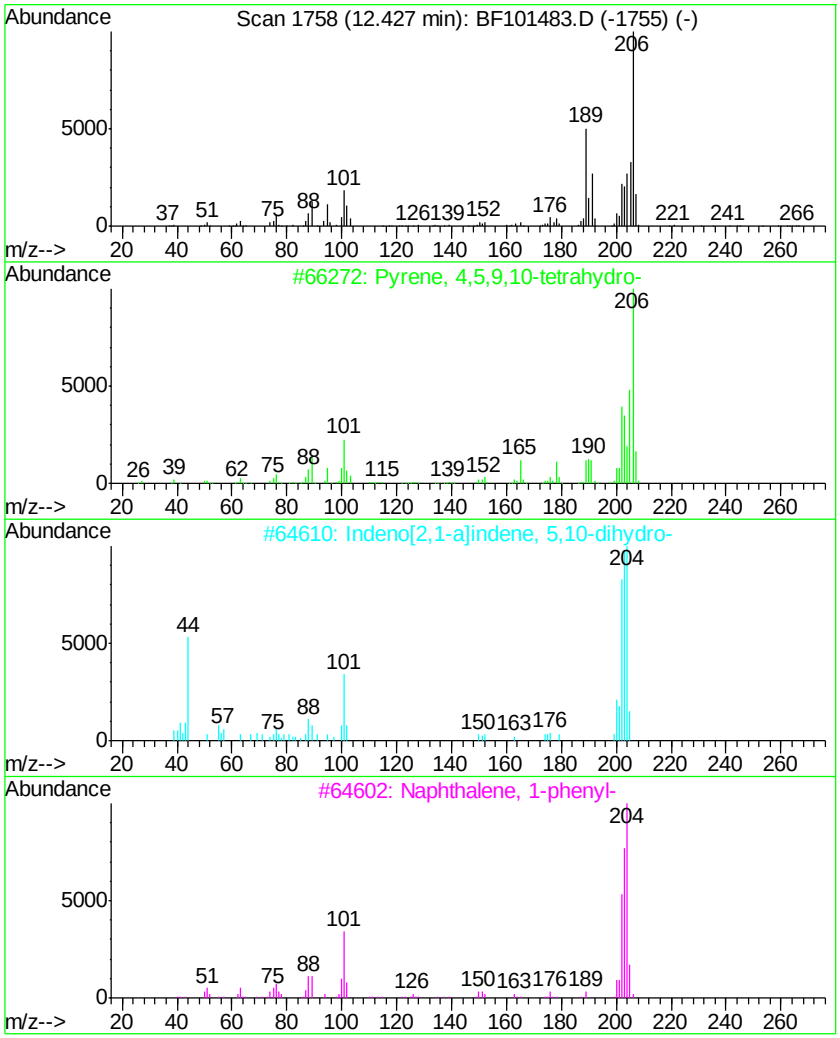
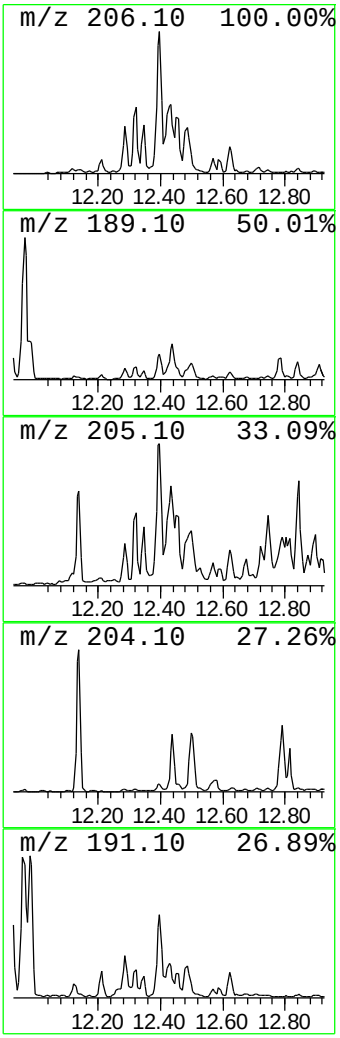
Peak Number 17 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	24.91 ng	1282750	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
5	5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	35





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

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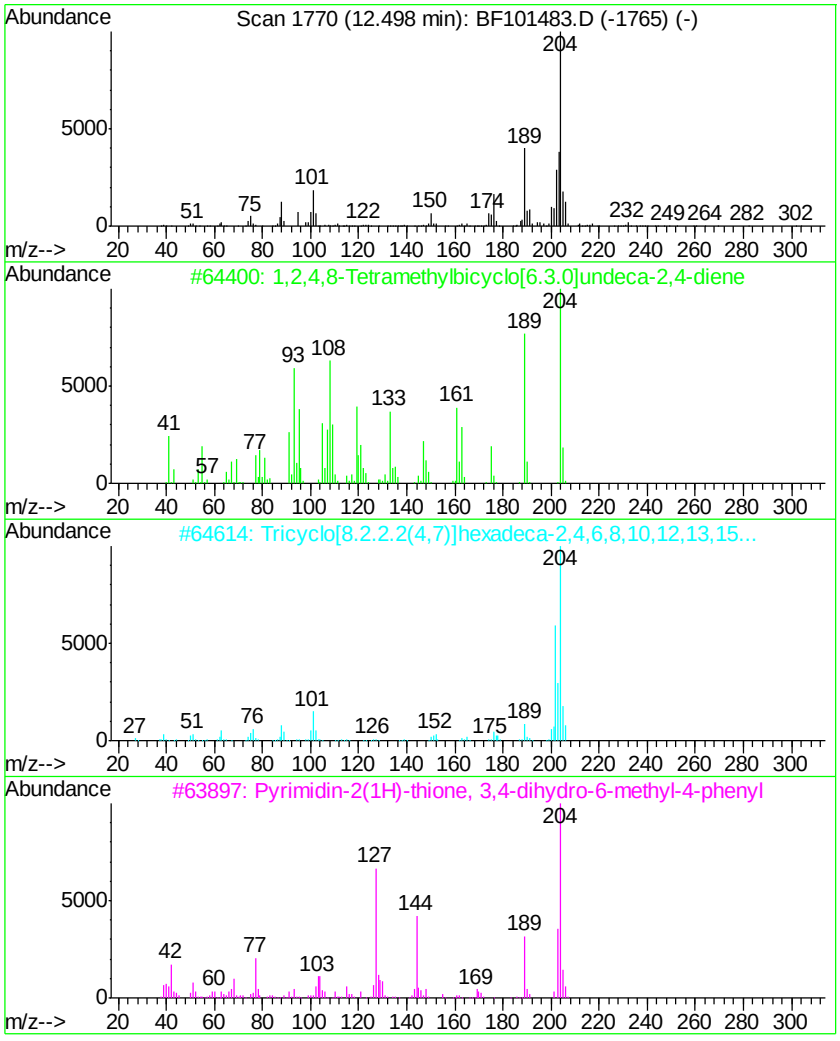
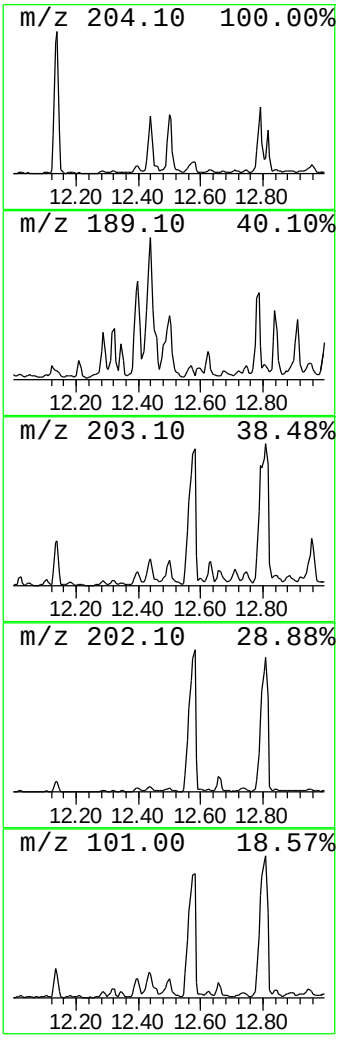
Peak Number 18 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	21.21 ng	1091970	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	87
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	Pyrimidin-2(1H)-thione, 3,4-dihy...	204	C11H12N2S	030570-19-5	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
5	Levamisole	204	C11H12N2S	014769-73-4	47





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Data File : BF101483.D
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Sample : I6680-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-121417-B

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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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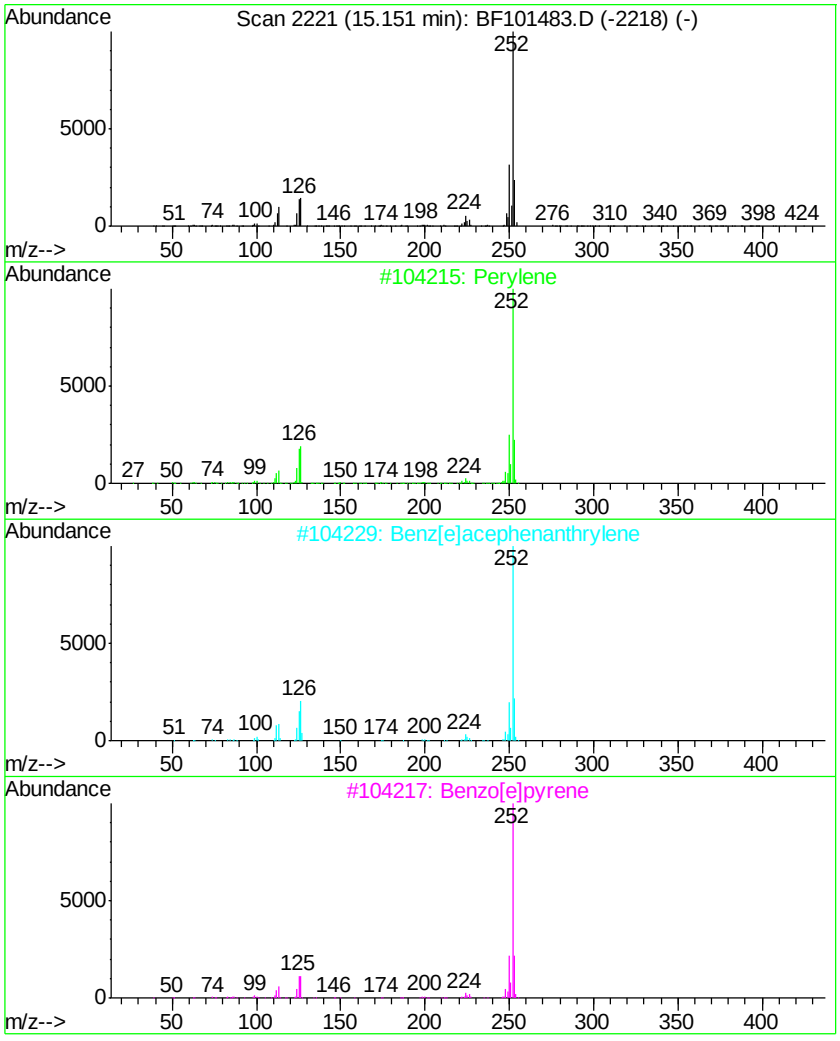
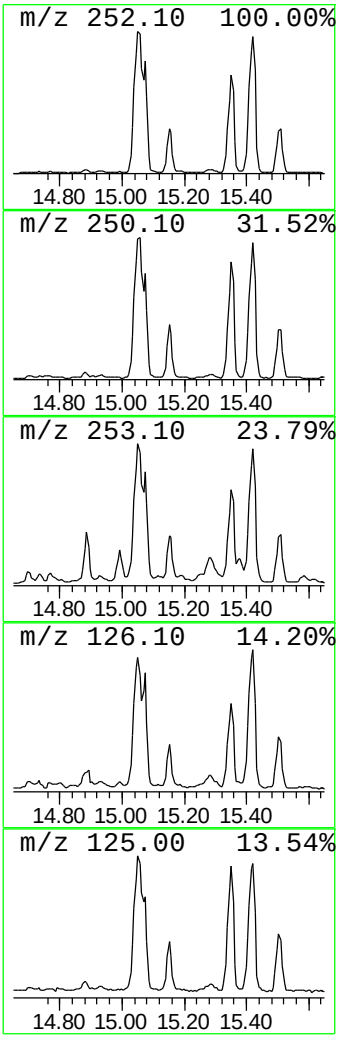
Peak Number 19 Perylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	24.88 ng	679454	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[e]pyrene	252	C20H12	000192-97-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101483.D
Acq On : 18 Dec 2017 16:25
Operator : SJ/JU
Sample : I6680-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-121417-B

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

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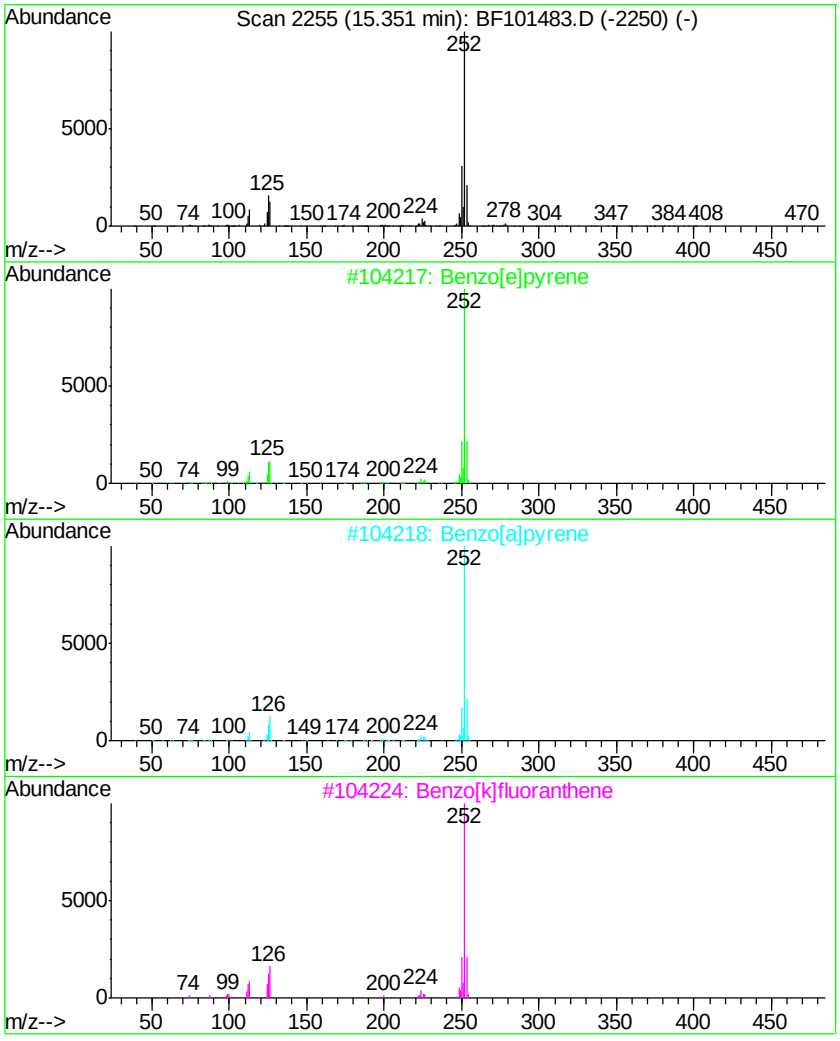
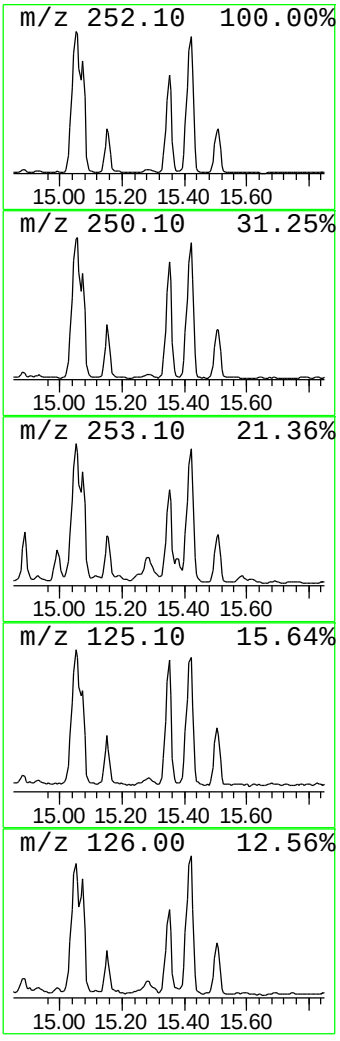
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	64.38 ng	1758500	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101483.D
Acq On : 18 Dec 2017 16:25
Operator : SJ/JU
Sample : I6680-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-121417-B

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.58	6.58	35.4	ng	1997030	1	6.81	1129720	20.0
Naphthalene, 1-me...	8.90	23.3	ng	1768030	2	8.09	1515160	20.0
Naphthalene, 2,6-...	9.43	23.6	ng	1435300	3	9.85	1214250	20.0
Naphthalene, 2,3-...	9.50	30.3	ng	1840410	3	9.85	1214250	20.0
Naphthalene, 1,3-...	9.62	20.3	ng	1233430	3	9.85	1214250	20.0
9H-Fluorene, 2-me...	10.95	27.7	ng	1427520	4	11.35	1029750	20.0
9H-Fluorene, 3-me...	10.97	15.6	ng	801130	4	11.35	1029750	20.0
Dibenzothiophene	11.24	25.4	ng	1307610	4	11.35	1029750	20.0
Phenanthrene, 2-m...	11.84	45.7	ng	2351660	4	11.35	1029750	20.0
Phenanthrene, 1-m...	11.87	46.6	ng	2397820	4	11.35	1029750	20.0
4H-Cyclopenta[def...	11.96	74.2	ng	3821860	4	11.35	1029750	20.0
Phenanthrene, 4-m...	11.98	28.0	ng	1439480	4	11.35	1029750	20.0
Naphthalene, 2-ph...	12.13	21.7	ng	1118580	4	11.35	1029750	20.0
9,10-Dimethylanth...	12.40	34.8	ng	1791240	4	11.35	1029750	20.0
Pyrene, 4,5,9,10-...	12.43	24.9	ng	1282750	4	11.35	1029750	20.0
1,2,4,8-Tetrameth...	12.50	21.2	ng	1091970	4	11.35	1029750	20.0
Perylene	15.15	24.9	ng	679454	6	15.47	546281	20.0
Benzo[e]pyrene	15.35	64.4	ng	1758500	6	15.47	546281	20.0