LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111551.D
Acq On : 17 Dec 2018 20:54
Operator : JU/SJ
Sample : J6403-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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	4.993	489	494	503	rBV	107030	129588	1.87%	0.167%
2	5.422	563	567	581	rBV	2407620	2310864	33.27%	2.981%
3	6.440	735	740	752	rBV	2546787	2644632	38.08%	3.412%
4	6.563	757	761	764	rBV	2936890	2450766	35.29%	3.162%
5	6.787	795	799	802	rBV	976239	751794	10.82%	0.970%
6	6.945	822	826	829	rBV	2227097	1845455	26.57%	2.381%
7	7.345	889	894	897	rBV	1643657	1534105	22.09%	1.979%
8	8.069	1013	1017	1019	rBV	1170846	1030606	14.84%	1.330%
9	8.092	1019	1021	1024	rVB	674515	525628	7.57%	0.678%
10	8.781	1133	1138	1144	rBV	397876	335674	4.83%	0.433%
11	8.881	1151	1155	1160	rVB	349875	274233	3.95%	0.354%
12	9.145	1196	1200	1203	rBV	3051288	2474448	35.63%	3.192%
13	9.245	1213	1217	1222	rVB	130208	126846	1.83%	0.164%
14	9.410	1240	1245	1249	rBV	153546	211615	3.05%	0.273%
15	9.480	1252	1257	1260	rBV	293243	298148	4.29%	0.385%
16	9.510	1260	1262	1264	rVV	181773	144604	2.08%	0.187%
17	9.539	1264	1267	1272	rVV	267759	234853	3.38%	0.303%
18	9.598	1275	1277	1282	rVB	140215	143536	2.07%	0.185%
19	9.822	1310	1315	1318	rBV	1194018	1170125	16.85%	1.510%
20	9.857	1318	1321	1324	rVV	1335456	1071958	15.43%	1.383%
21	9.980	1337	1342	1346	rBV2	108594	116582	1.68%	0.150%
22	10.028	1346	1350	1354	rVV	928443	791637	11.40%	1.021%
23	10.069	1354	1357	1363	rVV	109420	112086	1.61%	0.145%
24	10.139	1363	1369	1372	rVV2	130555	144338	2.08%	0.186%
25	10.233	1380	1385	1386	rVV2	97051	116077	1.67%	0.150%
26	10.369	1404	1408	1414	rBV	1436913	1315147	18.93%	1.697%
27	10.457	1421	1423	1425	rVB	192238	140783	2.03%	0.182%
28	10.528	1432	1435	1440	rVB	362597	317962	4.58%	0.410%
29	10.610	1445	1449	1453	rVV	1866722	1885899	27.15%	2.433%
30	10.657	1453	1457	1461	rVB3	107308	142813	2.06%	0.184%
31	10.733	1467	1470	1477	rVB3	116979	193869	2.79%	0.250%
32	10.916	1494	1501	1504	rBV3	288246	440457	6.34%	0.568%
33	10.945	1504	1506	1509	rVV	175531	164773	2.37%	0.213%
34	11.004	1513	1516	1518	rVV2	136544	148842	2.14%	0.192%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111551.D
Acq On : 17 Dec 2018 20:54
Operator : JU/SJ
Sample : J6403-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.027	1518	1520	1522	rVV2	114621	129109	1.86%	0.167%
36	11.069	1525	1527	1531	rVV2	187473	206535	2.97%	0.266%
37	11.110	1531	1534	1539	rVB	225355	248328	3.58%	0.320%
38	11.163	1539	1543	1546	rBV3	182230	260627	3.75%	0.336%
39	11.204	1547	1550	1556	rVB	601971	619595	8.92%	0.799%
40	11.310	1564	1568	1570	rBV	928431	1116787	16.08%	1.441%
41	11.345	1570	1574	1576	rVV	6533886	6945589	100.00%	8.960%
42	11.386	1576	1581	1584	rVV	2133507	2039372	29.36%	2.631%
43	11.416	1584	1586	1589	rVB	283476	239345	3.45%	0.309%
44	11.539	1601	1607	1609	rBV2	869256	882726	12.71%	1.139%
45	11.563	1609	1611	1615	rVV3	152723	168388	2.42%	0.217%
46	11.604	1615	1618	1621	rVV4	181982	169841	2.45%	0.219%
47	11.639	1621	1624	1629	rVB4	153545	163007	2.35%	0.210%
48	11.810	1648	1653	1655	rBV	838366	759904	10.94%	0.980%
49	11.839	1655	1658	1662	rVV	1348297	1182878	17.03%	1.526%
50	11.886	1663	1666	1669	rVV	492891	425771	6.13%	0.549%
51	11.922	1669	1672	1675	rVV	1166442	1381465	19.89%	1.782%
52	11.945	1675	1676	1680	rVB	532236	342284	4.93%	0.442%
53	11.986	1680	1683	1686	rBV2	106237	115553	1.66%	0.149%
54	12.057	1691	1695	1698	rVV4	114492	167578	2.41%	0.216%
55	12.104	1701	1703	1705	rVV	527931	436649	6.29%	0.563%
56	12.127	1705	1707	1711	rVB	326631	264047	3.80%	0.341%
57	12.257	1726	1729	1732	rVB	173874	140519	2.02%	0.181%
58	12.286	1732	1734	1736	rBV	163784	173328	2.50%	0.224%
59	12.310	1736	1738	1741	rVB	154617	135719	1.95%	0.175%
60	12.363	1743	1747	1750	rBV	365835	385062	5.54%	0.497%
61	12.404	1750	1754	1756	rVV	222380	271491	3.91%	0.350%
62	12.445	1759	1761	1769	rVB2	172414	245754	3.54%	0.317%
63	12.533	1770	1776	1779	rBV	4880966	5329462	76.73%	6.875%
64	12.669	1797	1799	1804	rVB	159880	181254	2.61%	0.234%
65	12.763	1808	1815	1819	rBV2	3565791	5108997	73.56%	6.591%
66	12.798	1819	1821	1827	rVB2	206651	214042	3.08%	0.276%
67	12.869	1830	1833	1834	rBV	293058	238125	3.43%	0.307%
68	12.892	1834	1837	1845	rVB2	2027808	2138821	30.79%	2.759%
69	12.974	1845	1851	1853	rBV3	305070	513988	7.40%	0.663%
70	13.057	1862	1865	1866	rVV3	231610	257386	3.71%	0.332%
71	13.080	1866	1869	1872	rVB	835467	731897	10.54%	0.944%

LSC Area Percent Report

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Acq On : 17 Dec 2018 20:54
Operator : JU/SJ
Sample : J6403-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.145	1877	1880	1882	rBV	660484	509773	7.34%	0.658%
73	13.180	1882	1886	1889	rBV3	408925	464322	6.69%	0.599%
74	13.274	1899	1902	1905	rVB	178477	146982	2.12%	0.190%
75	13.304	1905	1907	1910	rBV2	205239	163451	2.35%	0.211%
76	13.480	1931	1937	1939	rBV5	180732	322042	4.64%	0.415%
77	13.698	1971	1974	1976	rBV	195203	212798	3.06%	0.275%
78	13.721	1976	1978	1981	rVV	275904	267749	3.85%	0.345%
79	13.751	1981	1983	1986	rVV2	201575	288125	4.15%	0.372%
80	13.792	1988	1990	1997	rVB2	328164	370538	5.33%	0.478%
81	13.945	2009	2016	2019	rBV2	2141544	3080226	44.35%	3.974%
82	13.980	2019	2022	2027	rVB	1792959	1742818	25.09%	2.248%
83	14.057	2032	2035	2038	rVB	313047	272947	3.93%	0.352%
84	14.168	2051	2054	2058	rVB2	157216	217493	3.13%	0.281%
85	14.333	2078	2082	2085	rBV	362228	381577	5.49%	0.492%
86	14.368	2085	2088	2091	rVB	191187	180840	2.60%	0.233%
87	14.427	2095	2098	2101	rVV2	224746	248783	3.58%	0.321%
88	14.463	2101	2104	2105	rVV	169861	163285	2.35%	0.211%
89	14.480	2105	2107	2111	rVB2	225210	193240	2.78%	0.249%
90	14.639	2131	2134	2137	rBV4	113548	140196	2.02%	0.181%
91	14.980	2187	2192	2195	rBV	1304127	2075291	29.88%	2.677%
92	15.080	2206	2209	2213	rVB	315918	306948	4.42%	0.396%
93	15.274	2237	2242	2247	rVB	755246	1047100	15.08%	1.351%
94	15.333	2247	2252	2257	rVB	1161318	1506913	21.70%	1.944%
95	15.392	2258	2262	2264	rVV	578172	672923	9.69%	0.868%
96	15.421	2264	2267	2273	rVB2	400335	536192	7.72%	0.692%
97	16.809	2497	2503	2510	rVB2	479267	932425	13.42%	1.203%
98	16.974	2528	2531	2536	rVB2	87157	131937	1.90%	0.170%
99	17.233	2569	2575	2588	rVB	304944	681048	9.81%	0.879%
100	17.974	2699	2701	2707	rBV6	90246	186116	2.68%	0.240%

Sum of corrected areas: 77516044

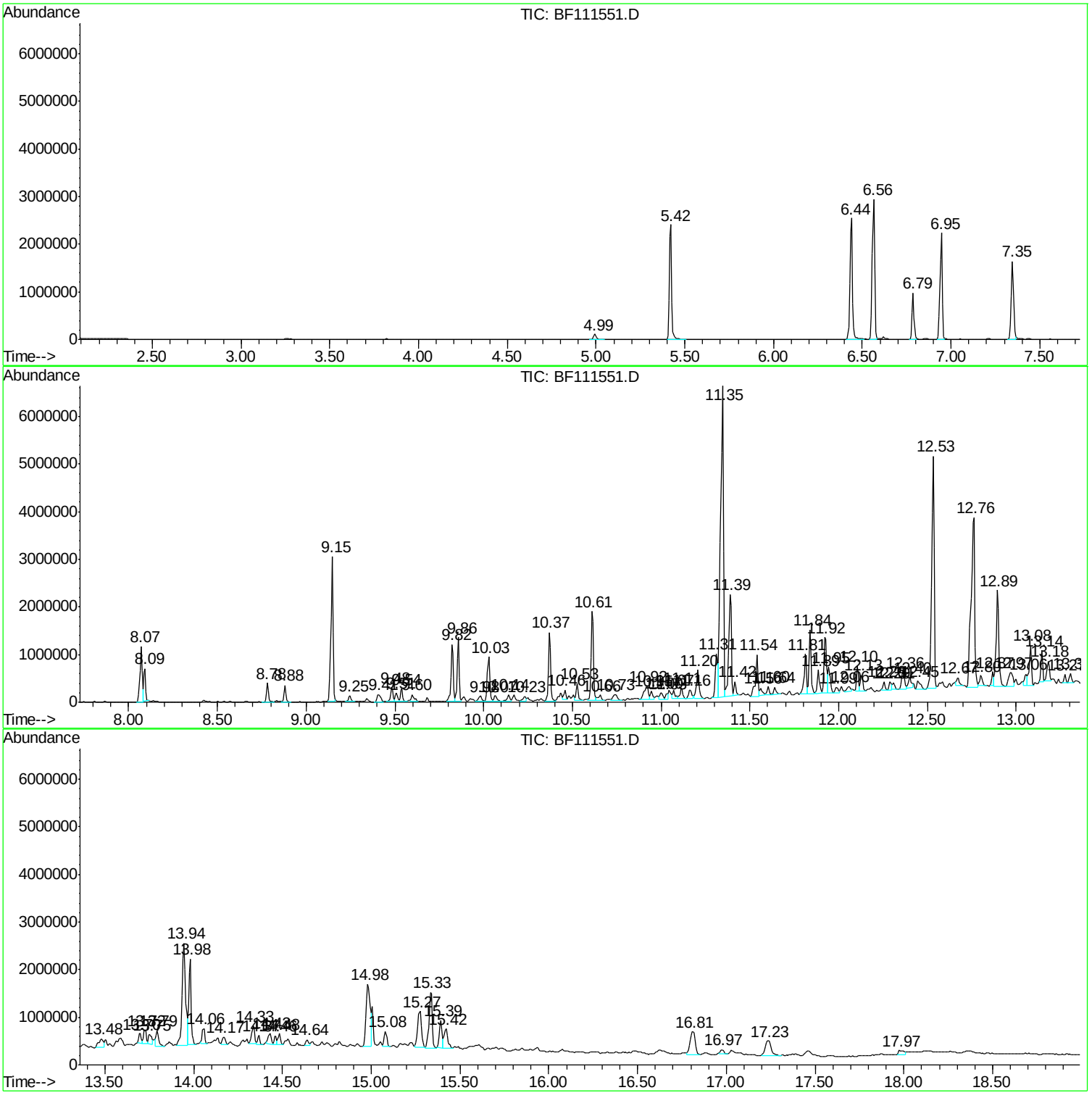
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111551.D
Acq On : 17 Dec 2018 20:54
Operator : JU/SJ
Sample : J6403-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111551.D
Acq On : 17 Dec 2018 20:54
Operator : JU/SJ
Sample : J6403-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

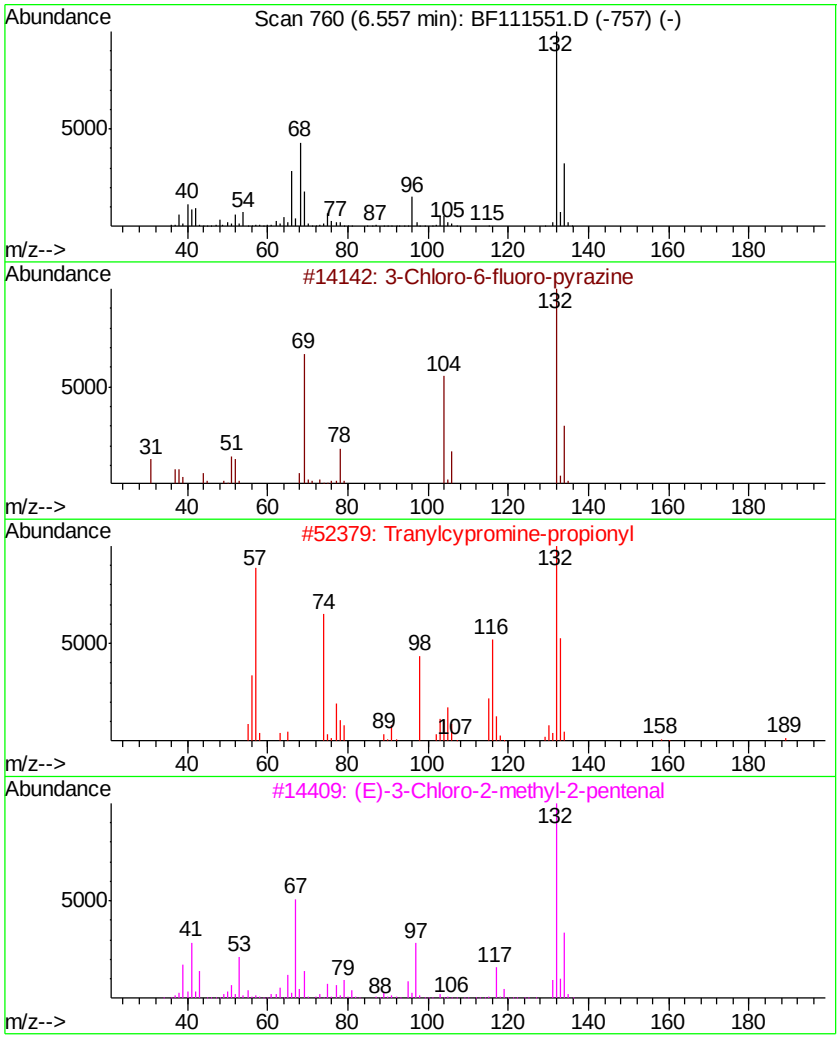
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

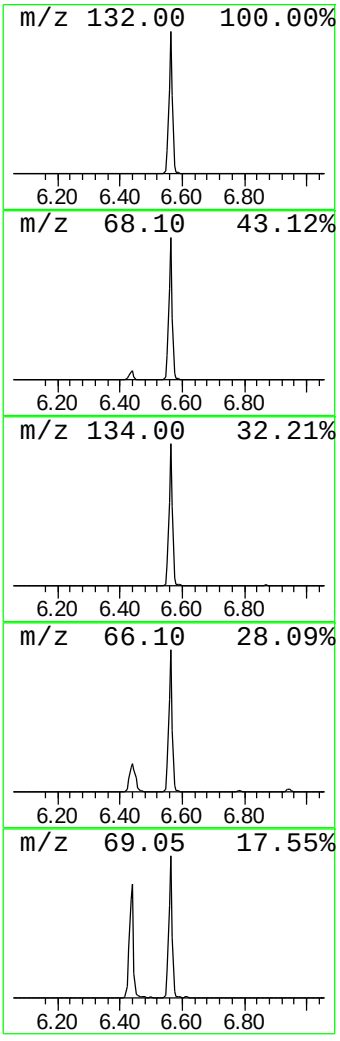
****

Peak Number 1 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	65.20 ng	2450770	1,4-Dichlorobenzene-d4	6.79

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	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111551.D
Acq On : 17 Dec 2018 20:54
Operator : JU/SJ
Sample : J6403-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

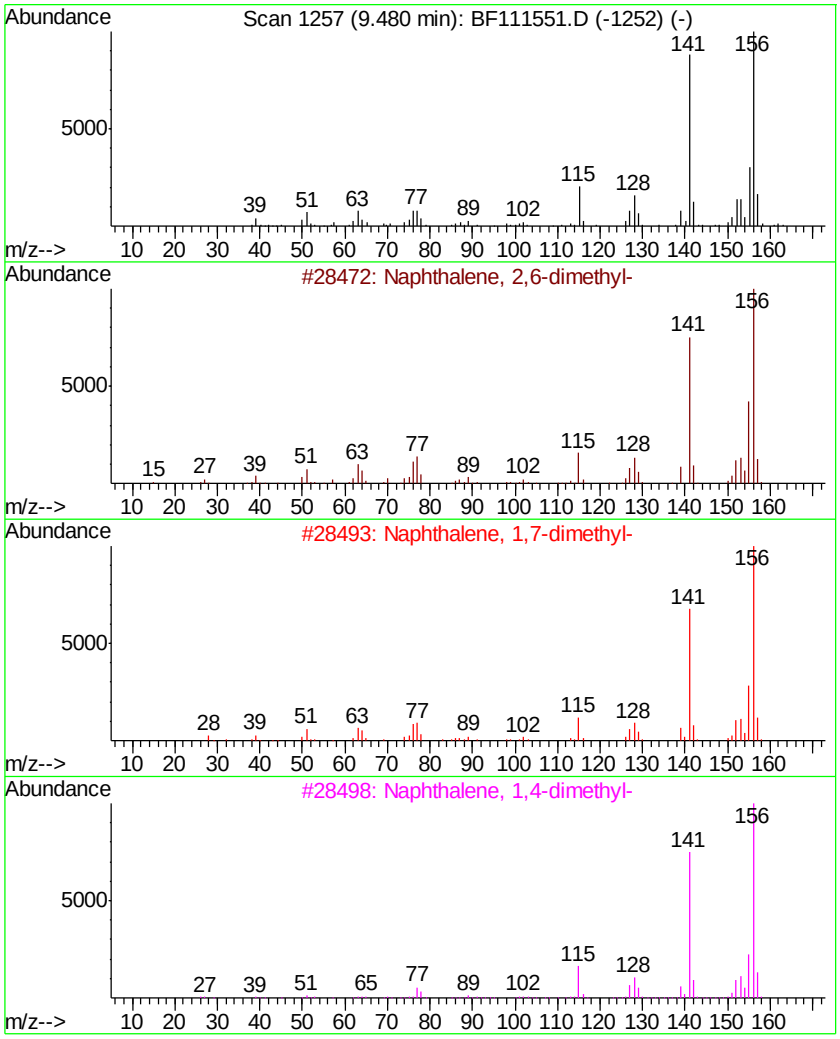
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

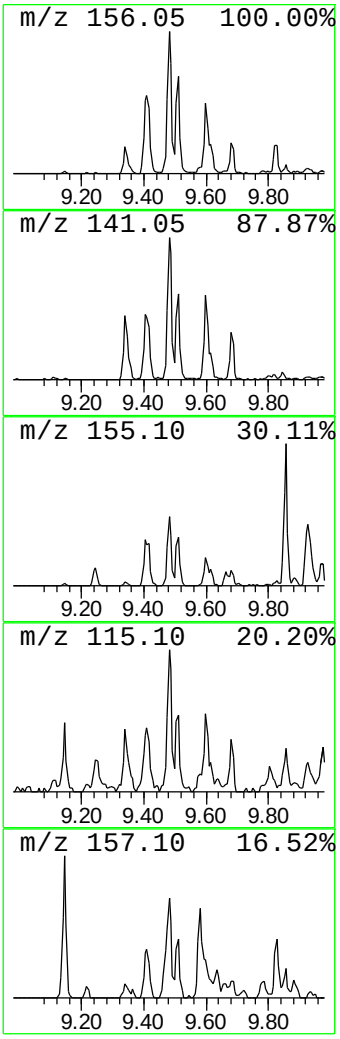
****

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	5.10 ng	298148	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111551.D
Acq On : 17 Dec 2018 20:54
Operator : JU/SJ
Sample : J6403-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

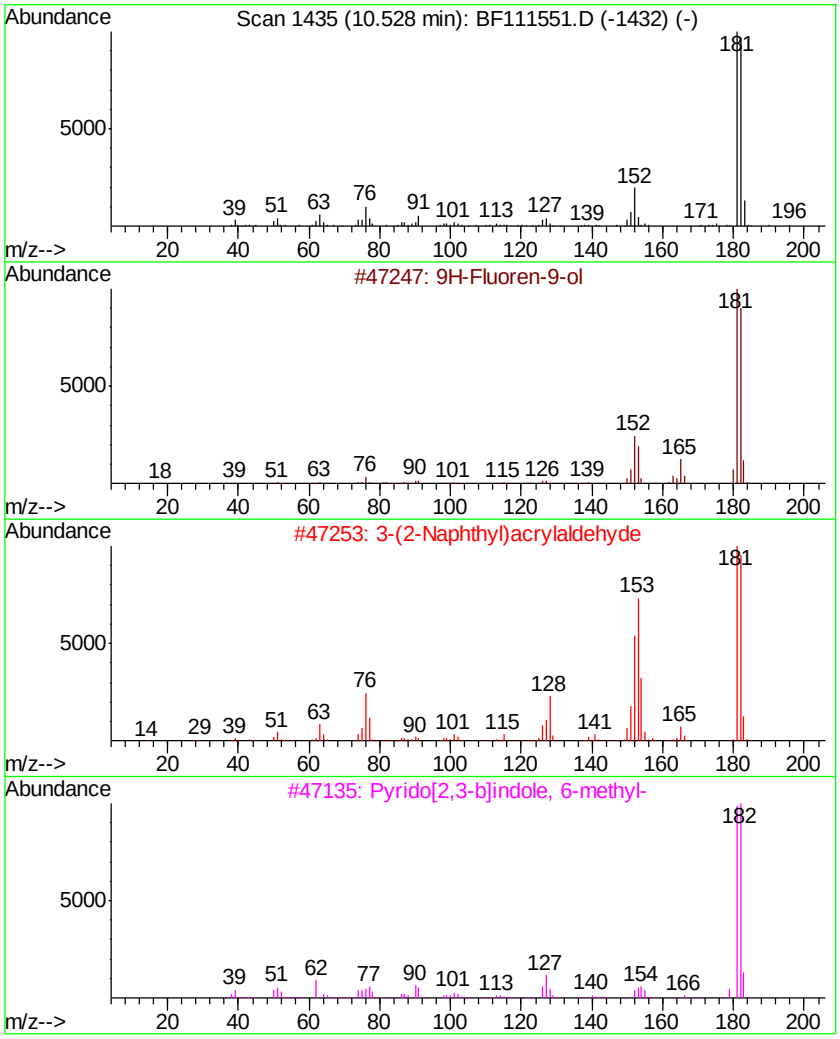
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

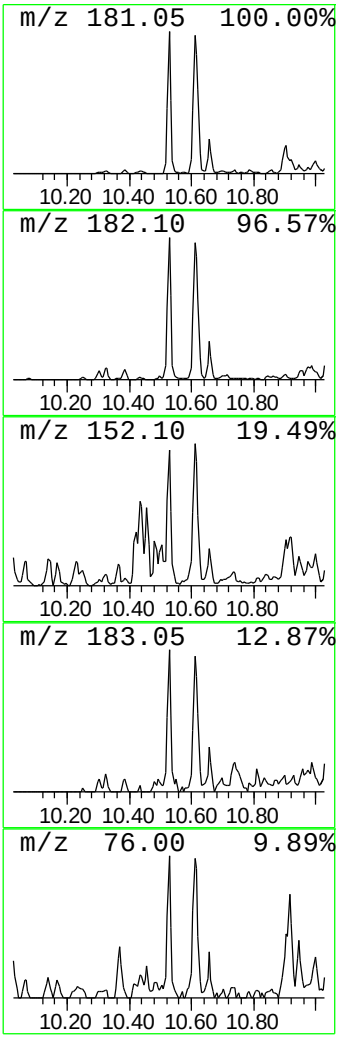
****

Peak Number 4 9H-Fluoren-9-ol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	5.43 ng	317962	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
3	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	64
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64
5	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111551.D
Acq On : 17 Dec 2018 20:54
Operator : JU/SJ
Sample : J6403-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

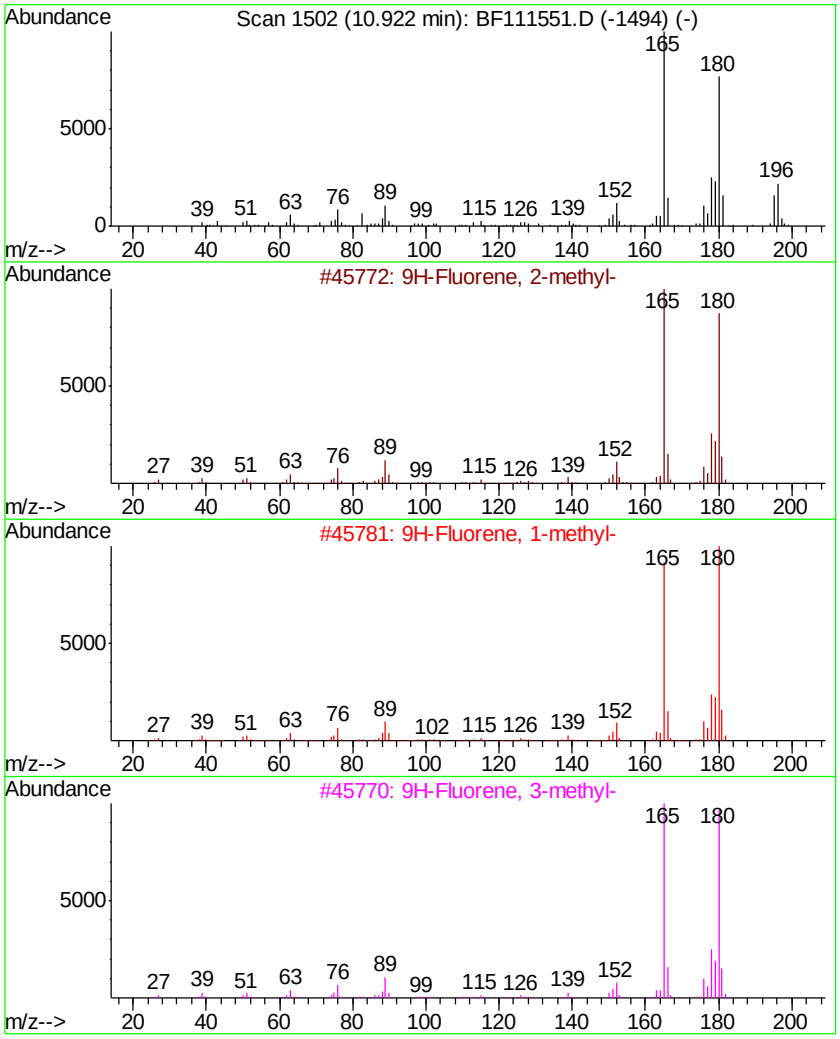
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

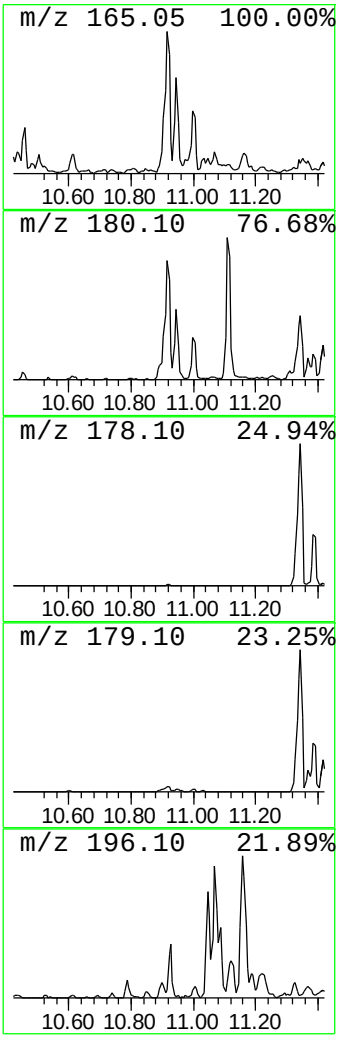
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	7.89 ng	440457	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111551.D
Acq On : 17 Dec 2018 20:54
Operator : JU/SJ
Sample : J6403-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

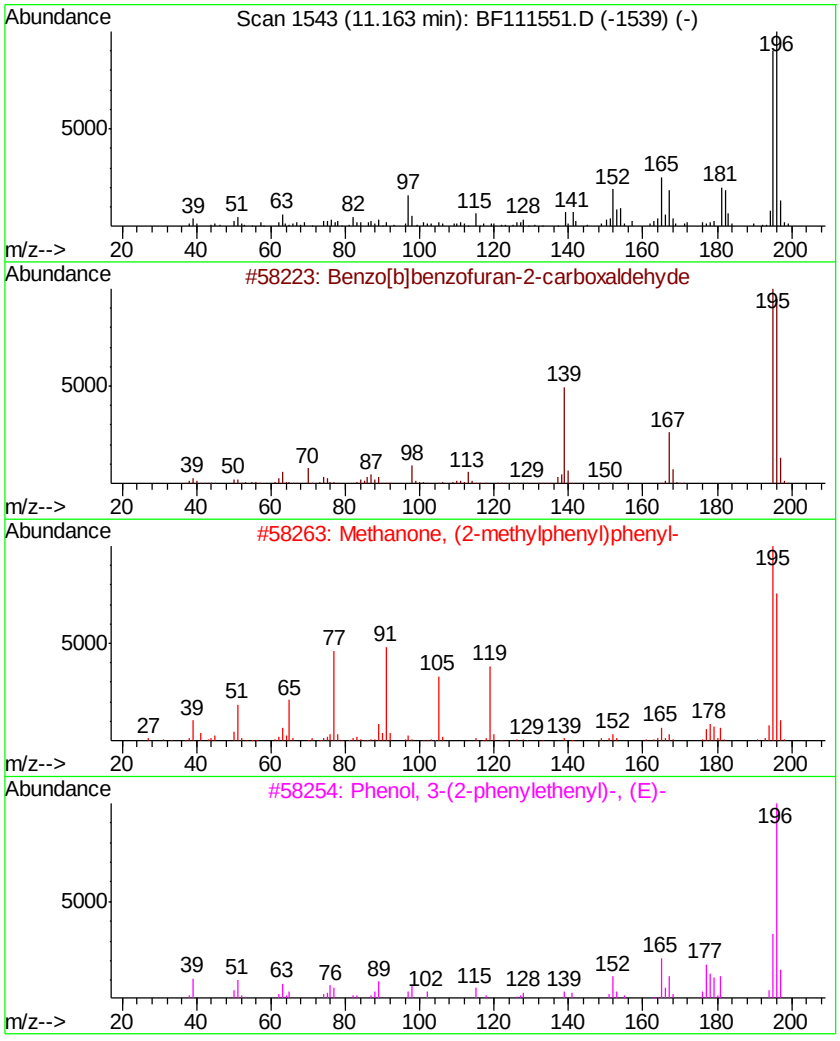
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

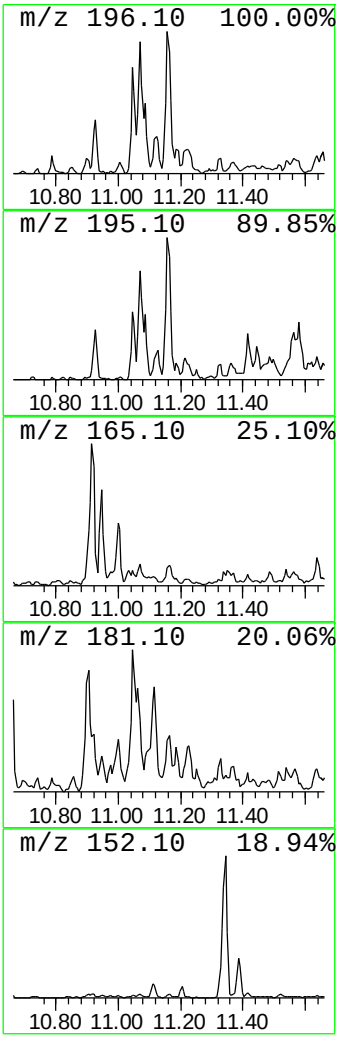
****

Peak Number 6 Benzo[b]benzofuran-2-carbox... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	4.67 ng	260627	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	58
2	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	53
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	52
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	47





Library Search Compound Report

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Data File : BF111551.D
Acq On : 17 Dec 2018 20:54
Operator : JU/SJ
Sample : J6403-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-A

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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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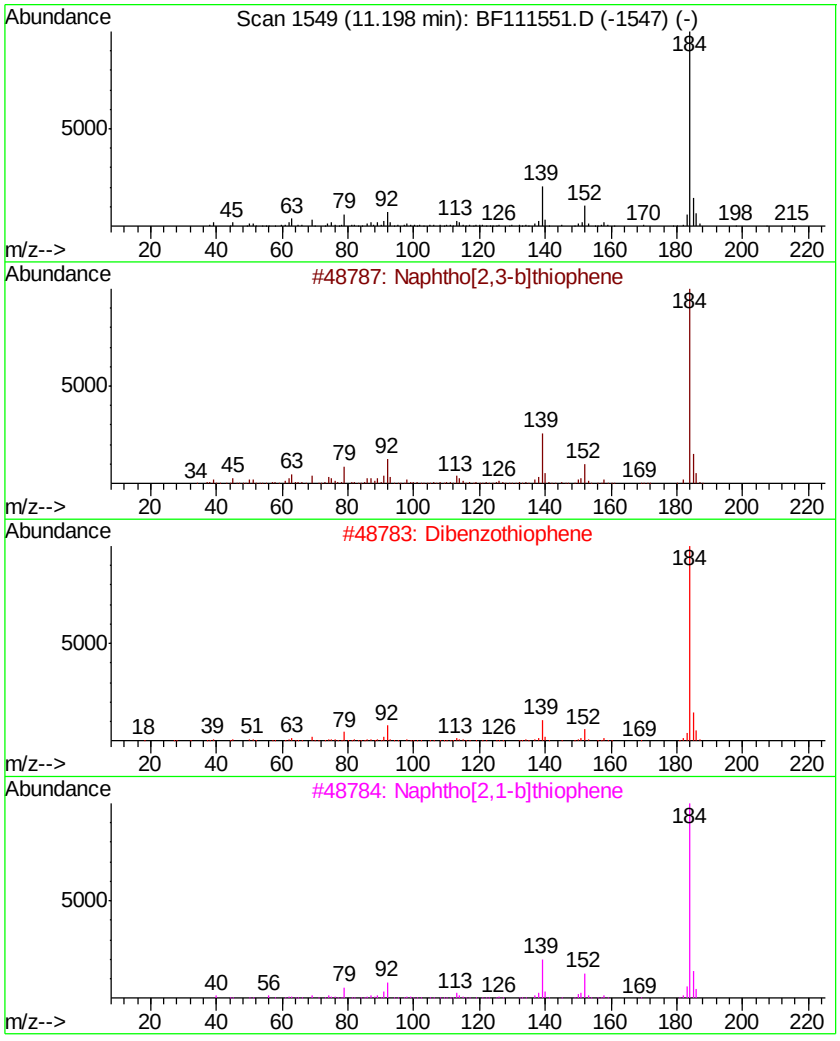
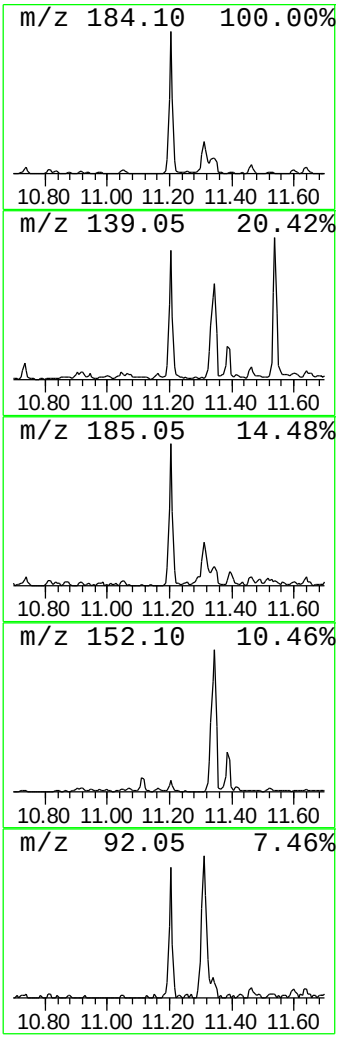
Peak Number 7 Naphtho[2,3-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	11.10 ng	619595	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87





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Instrument : BNA_F
ClientSampleId : TP-2-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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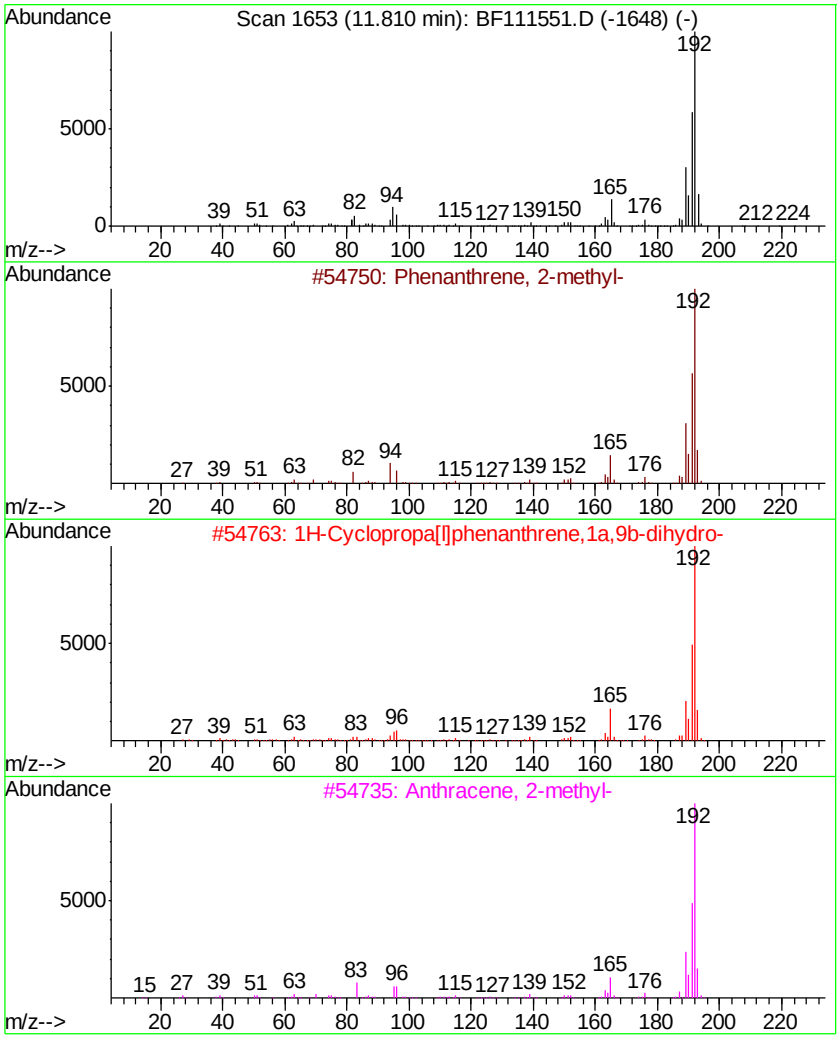
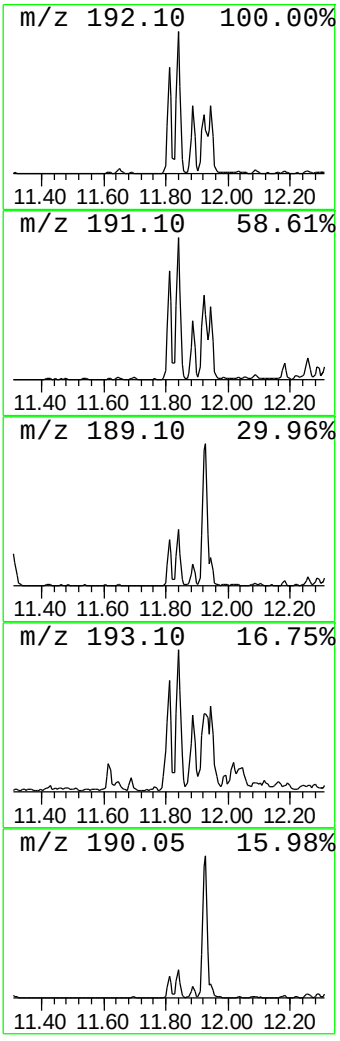
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	13.61 ng	759904	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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ClientSampleId : TP-2-A

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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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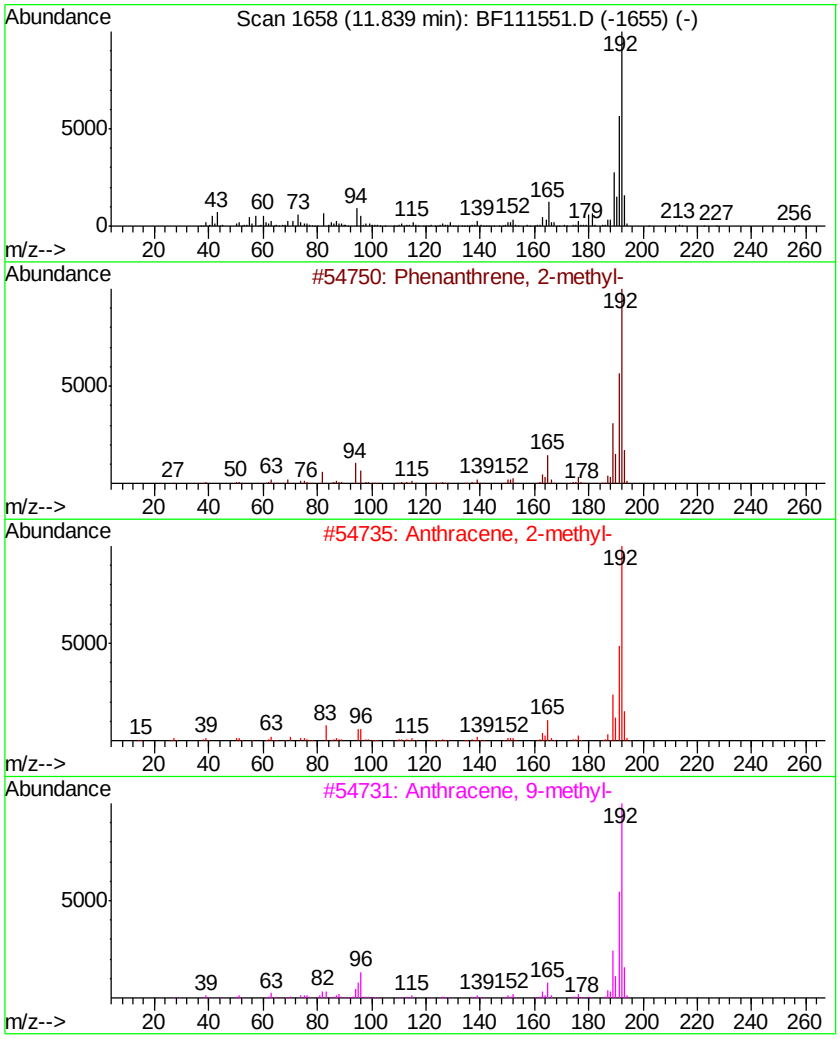
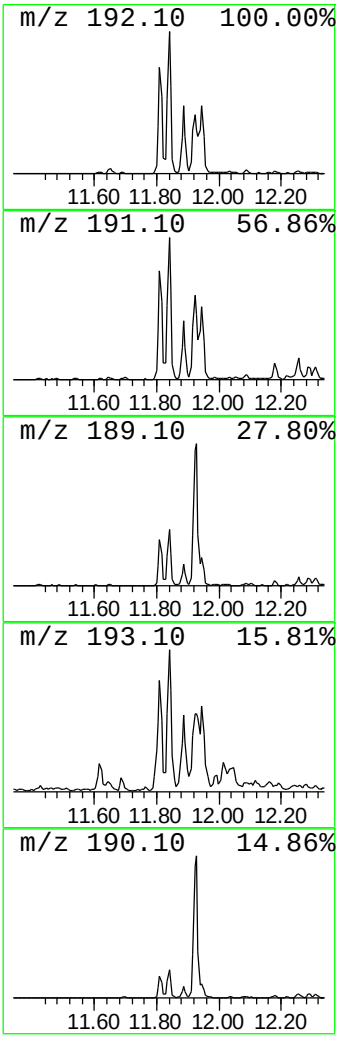
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	21.18 ng	1182880	Phenanthrene-d10	11.31

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92





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Instrument : BNA_F
ClientSampleId : TP-2-A

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

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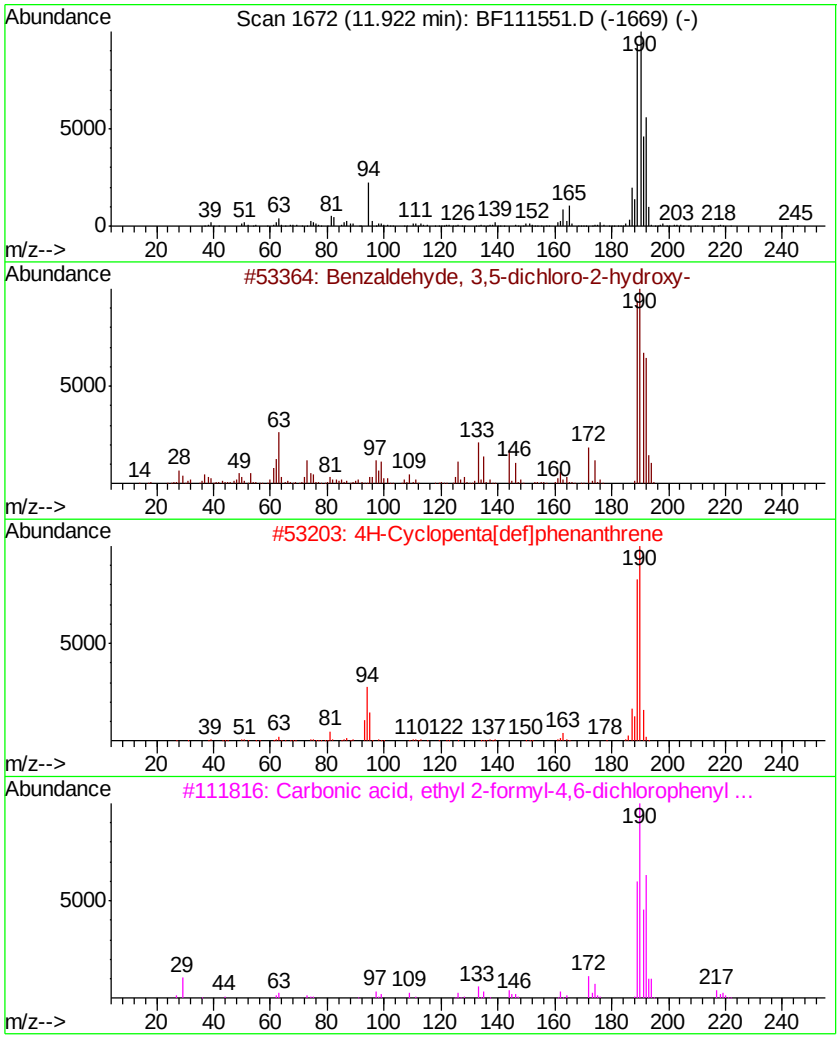
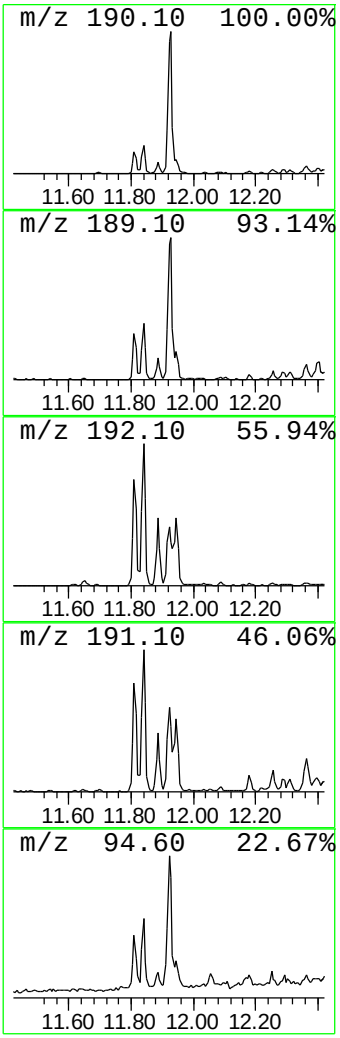
Peak Number 11 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	24.74 ng	1381470	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38





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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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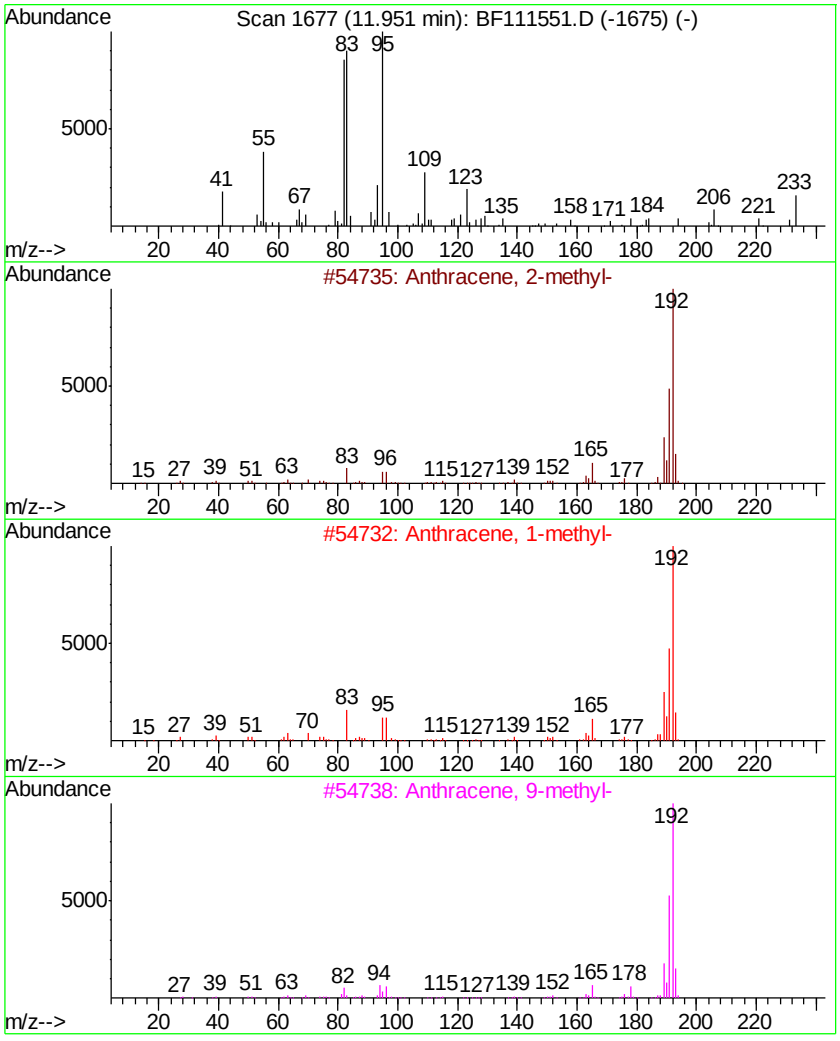
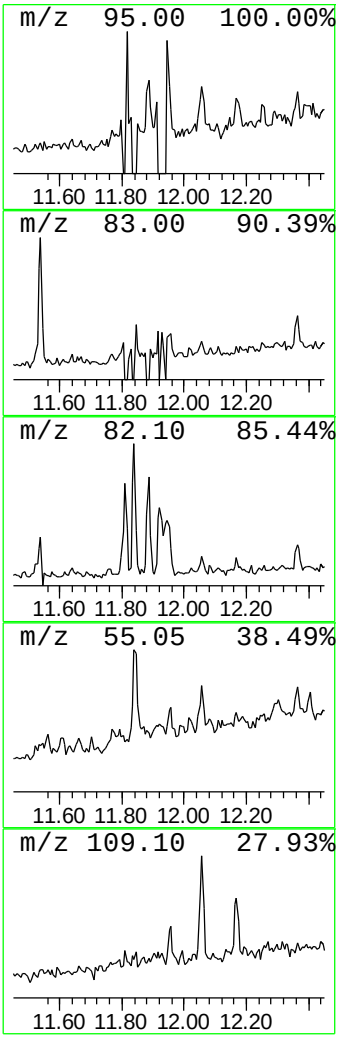
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	6.13 ng	342284	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81





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Misc :
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ClientSampleId : TP-2-A

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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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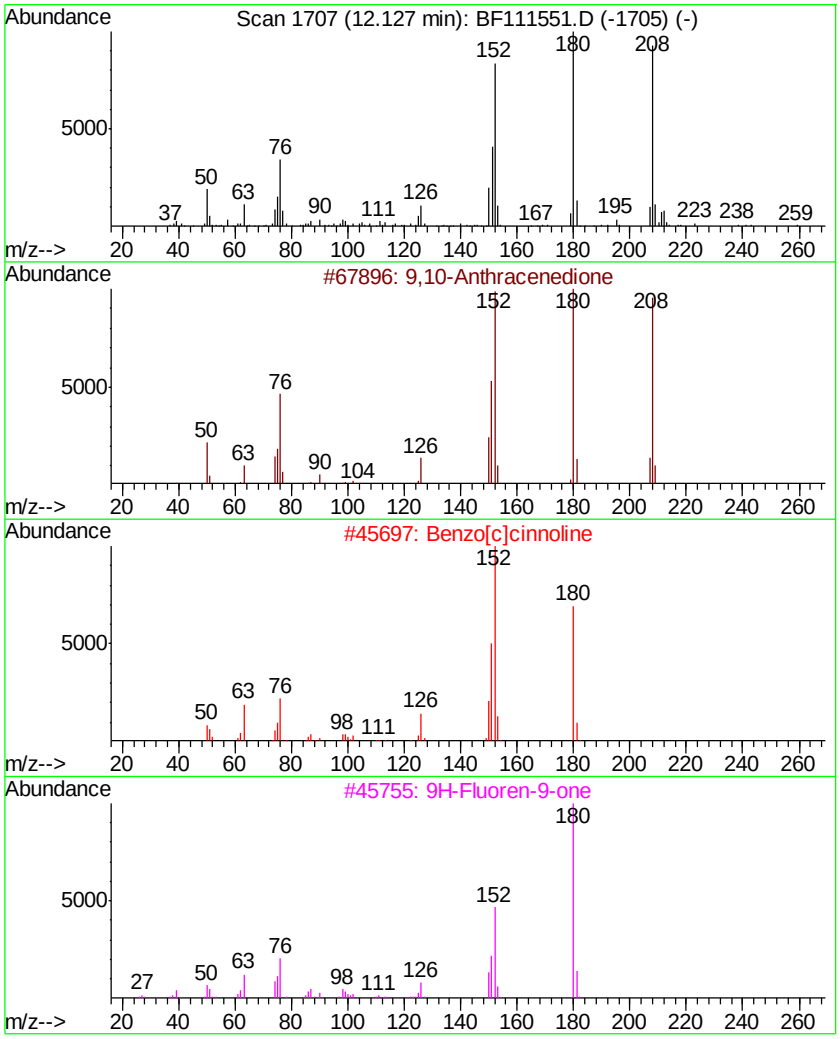
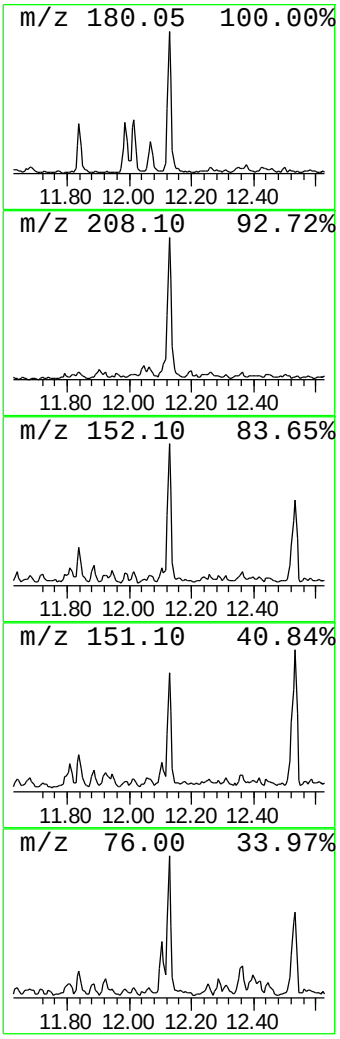
Peak Number 14 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	4.73 ng	264047	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	46





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-A

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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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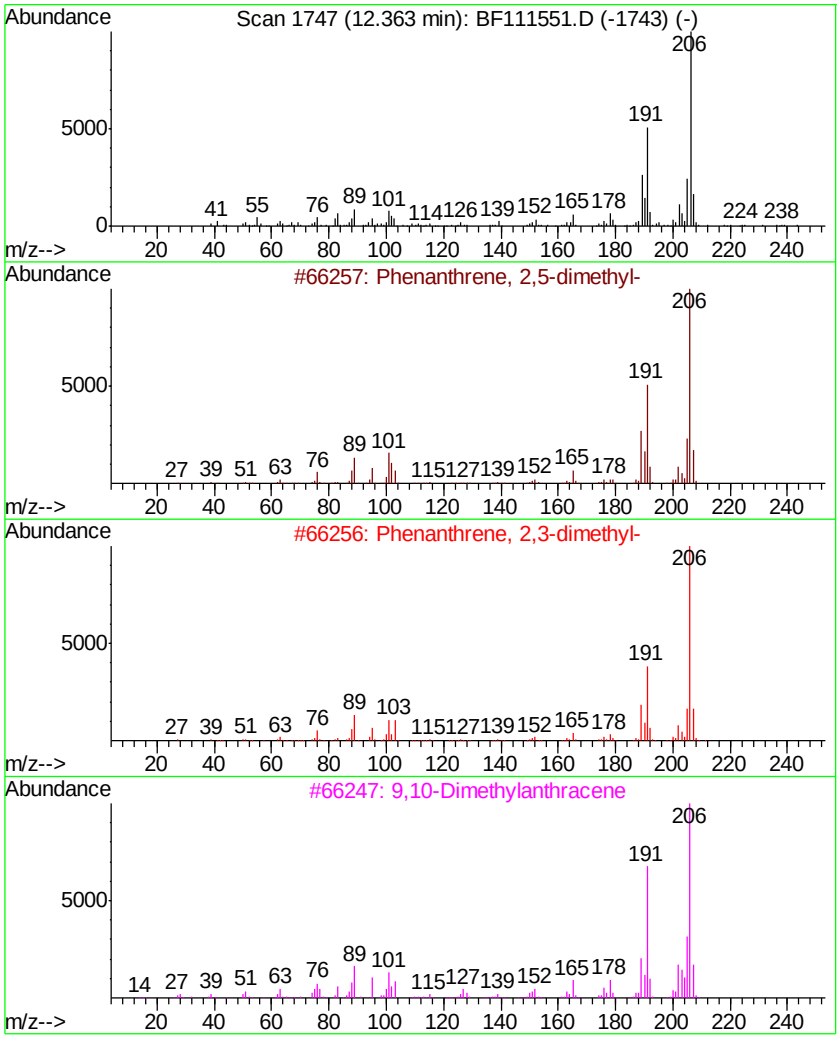
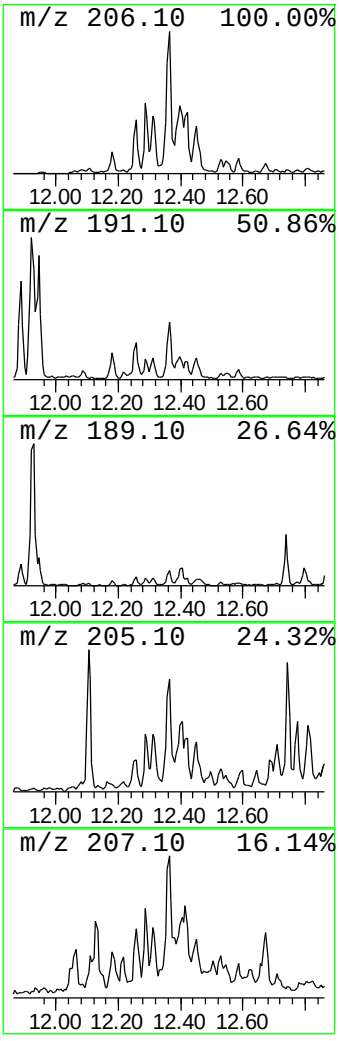
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	6.90 ng	385062	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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TIC Library : C:\DATABASE\NIST11.L
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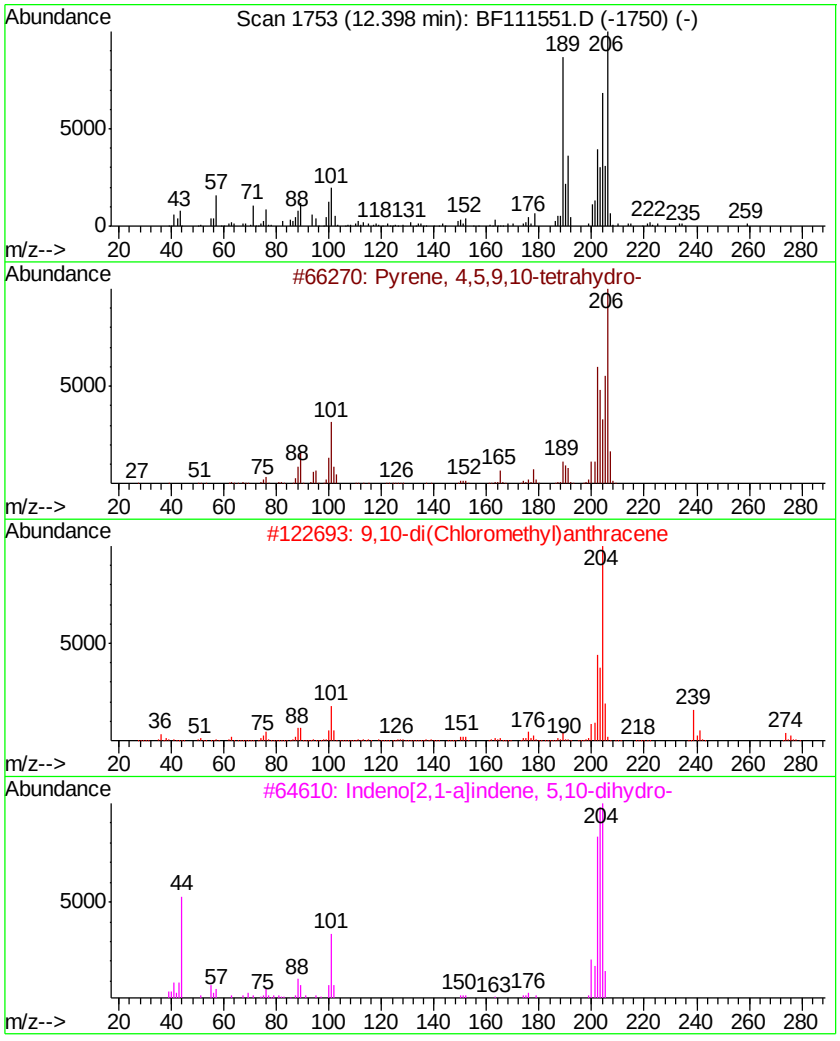
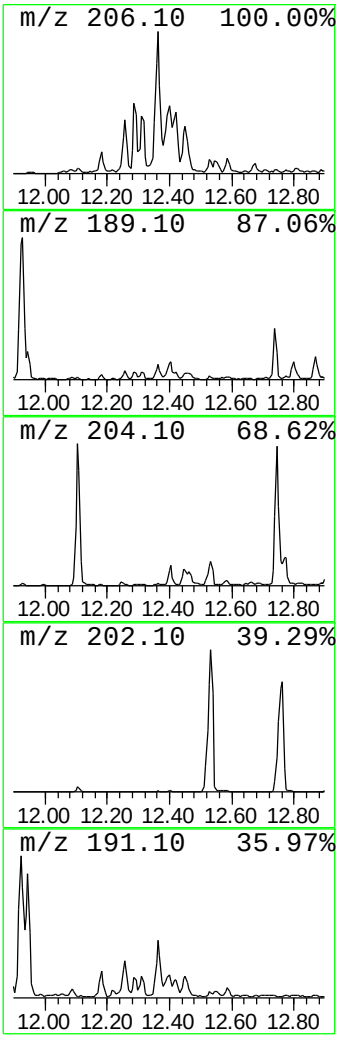
Peak Number 16 unknown12.40 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	4.86 ng	271491	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	35
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	35
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25





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

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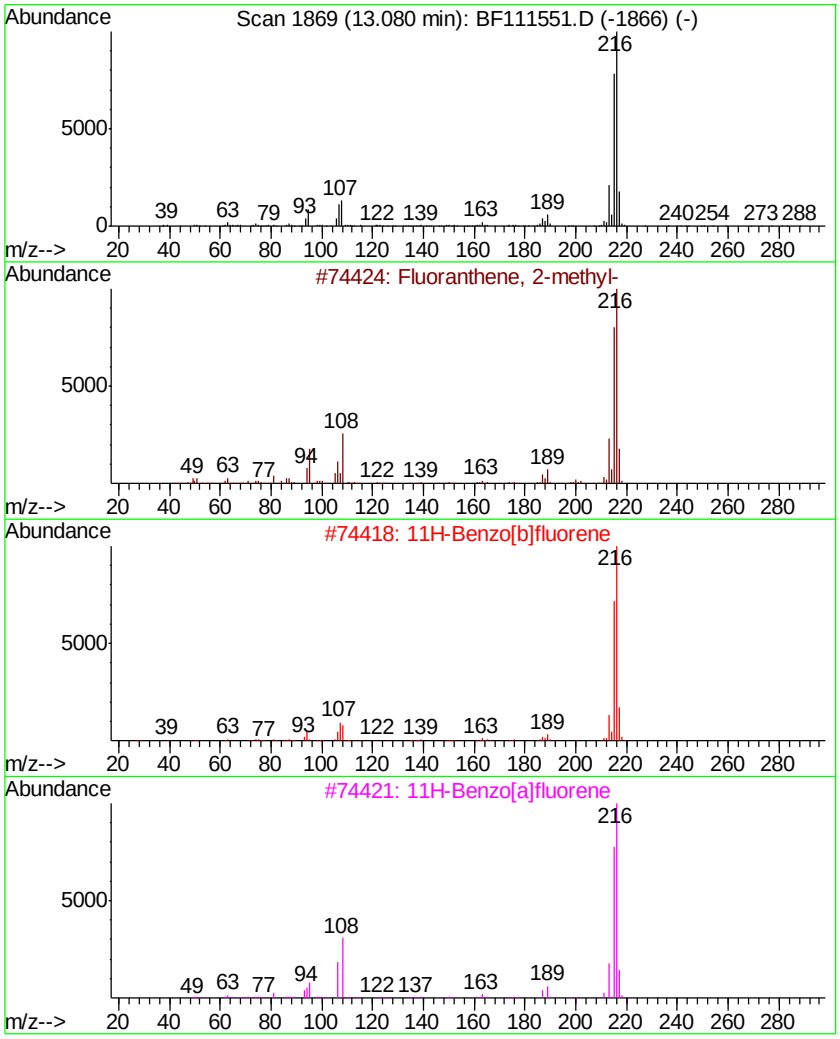
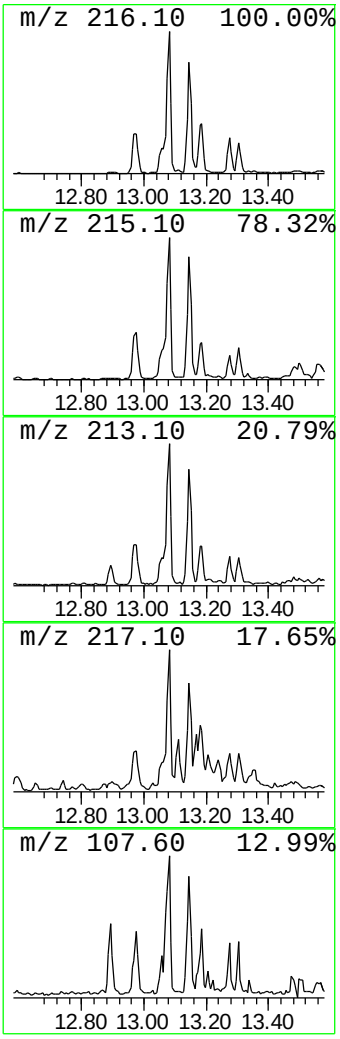
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	4.75 ng	731897	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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ClientSampleId : TP-2-A

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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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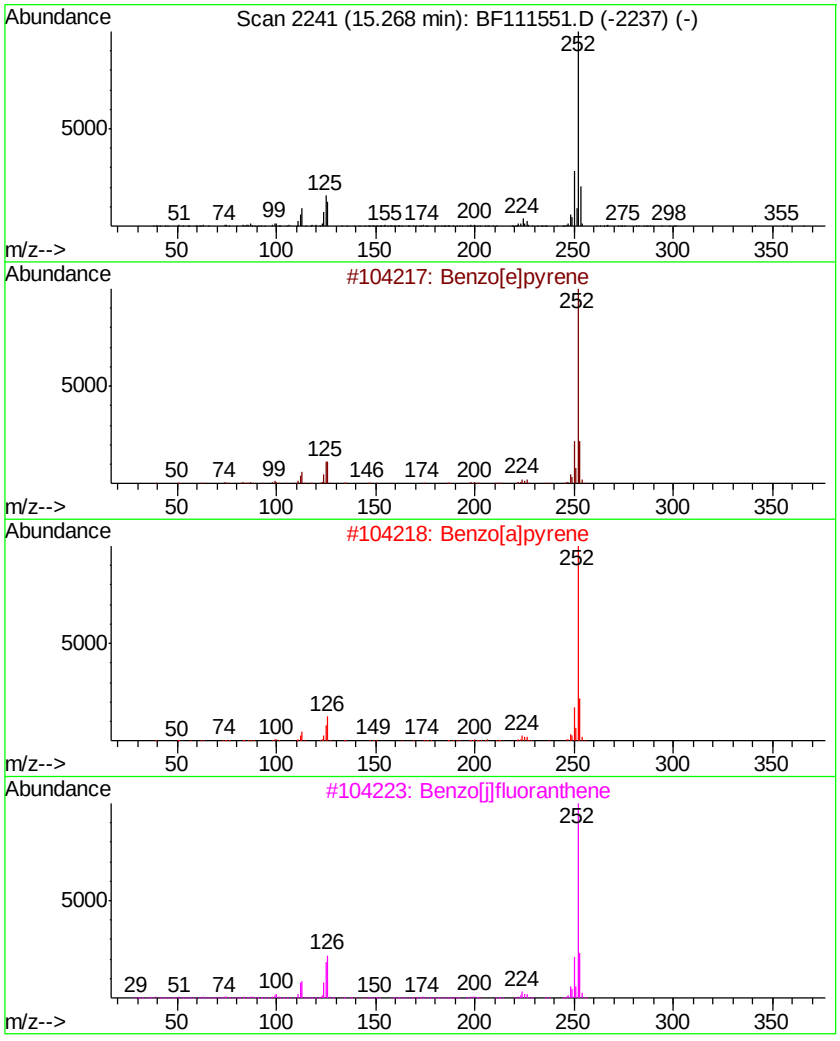
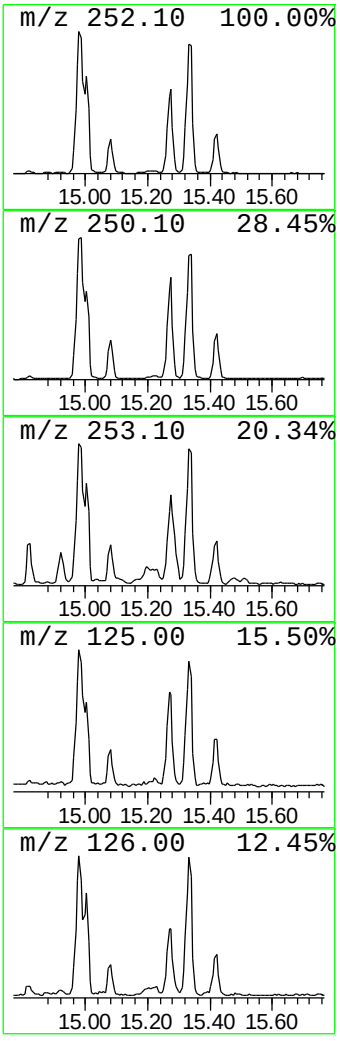
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	31.12 ng	1047100	Perylene-d12	15.39

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	97
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





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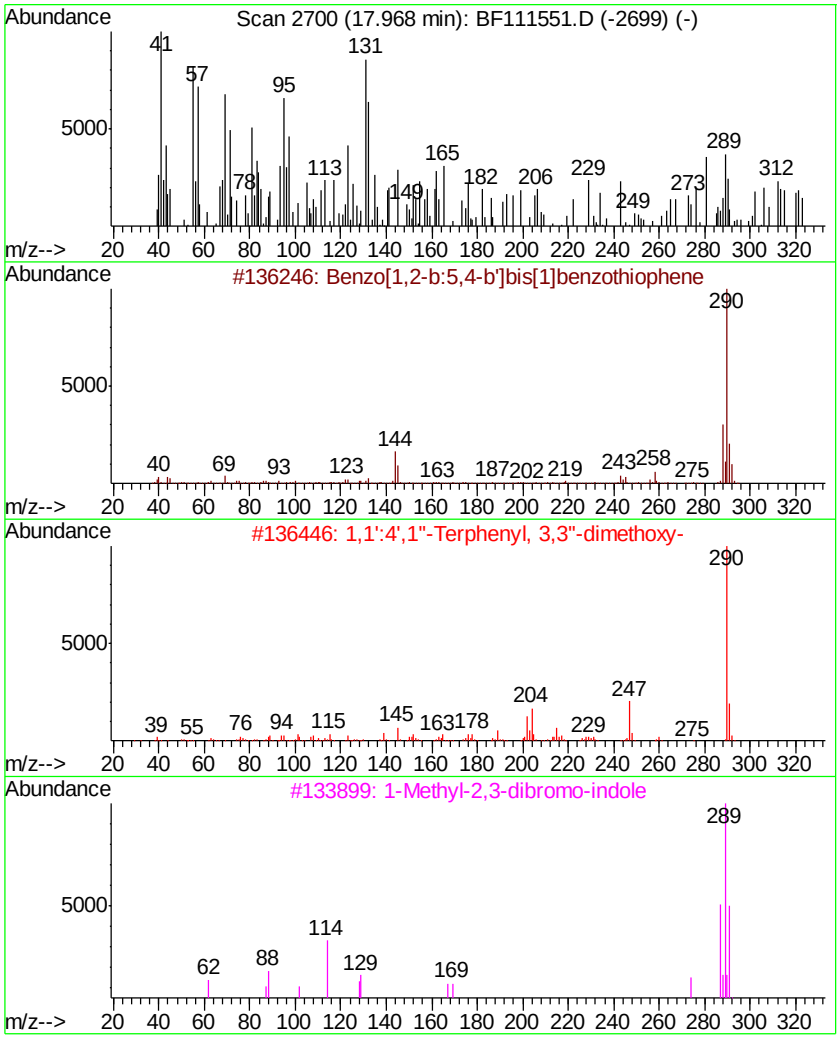
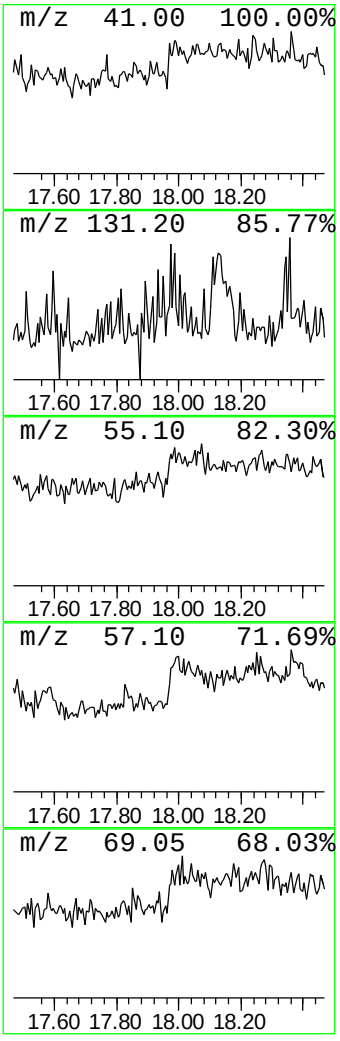
Peak Number 20 unknown17.91 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	5.53 ng	186116	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[1,2-b:5,4-b']bis[1]benzoth...	290	C18H10S2	000241-37-2	42
2	1,1':4',1''-Terphenyl, 3,3''-dim...	290	C20H18O2	1000327-41-7	25
3	1-Methyl-2,3-dibromo-indole	287	C9H7Br2N	128746-62-3	15
4	1,2,3,4,6a,7,10,11-Octahydro[1]b...	290	C15H18N2S2	1000148-63-2	11
5	4-Oxa-5.alpha.-androstane-3,17-d...	290	C18H26O3	059251-75-1	11





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
Data File : BF111551.D
Acq On : 17 Dec 2018 20:54
Operator : JU/SJ
Sample : J6403-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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
unknown6.56	6.56	65.2	ng	2450770	1	6.79	751794	20.0
Naphthalene, 2,6-...	9.48	5.1	ng	298148	3	9.82	1170130	20.0
9H-Fluoren-9-ol	10.53	5.4	ng	317962	3	9.82	1170130	20.0
9H-Fluorene, 2-me...	10.92	7.9	ng	440457	4	11.31	1116790	20.0
Benzo[b]benzofura...	11.16	4.7	ng	260627	4	11.31	1116790	20.0
Naphtho[2,3-b]thi...	11.20	11.1	ng	619595	4	11.31	1116790	20.0
Phenanthrene, 2-m...	11.81	13.6	ng	759904	4	11.31	1116790	20.0
Phenanthrene, 1-m...	11.84	21.2	ng	1182880	4	11.31	1116790	20.0
Benzaldehyde, 3,5...	11.92	24.7	ng	1381470	4	11.31	1116790	20.0
Anthracene, 2-met...	11.95	6.1	ng	342284	4	11.31	1116790	20.0
9,10-Anthracenedione	12.13	4.7	ng	264047	4	11.31	1116790	20.0
Phenanthrene, 2,5...	12.36	6.9	ng	385062	4	11.31	1116790	20.0
unknown12.40	12.40	4.9	ng	271491	4	11.31	1116790	20.0
Fluoranthene, 2-m...	13.08	4.8	ng	731897	5	13.95	3080230	20.0
Benzo[e]pyrene	15.27	31.1	ng	1047100	6	15.39	672923	20.0
unknown17.91	17.97	5.5	ng	186116	6	15.39	672923	20.0