LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113183.D
Acq On : 20 Mar 2019 20:57
Operator : JU/SJ
Sample : K1971-07 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-14(9-11)-031519

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-BF022719.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	5.334	549	552	561	rBV	168208	186355	2.85%	0.300%
2	6.369	725	728	736	rVB	215375	217899	3.33%	0.351%
3	6.492	746	749	753	rBV	254422	210839	3.23%	0.340%
4	6.722	785	788	791	rBV	796301	634133	9.70%	1.022%
5	6.881	812	815	819	rBV	190227	189757	2.90%	0.306%
6	7.281	879	883	886	rBV	121154	131319	2.01%	0.212%
7	7.375	895	899	904	rVB	222864	207862	3.18%	0.335%
8	7.951	993	997	1001	rBV	249560	219258	3.36%	0.353%
9	8.004	1001	1006	1013	rVV	1166911	1064133	16.29%	1.715%
10	8.081	1017	1019	1021	rVB	138232	93178	1.43%	0.150%
11	8.439	1076	1080	1084	rBV2	126138	157760	2.41%	0.254%
12	8.557	1097	1100	1105	rBV5	47363	69469	1.06%	0.112%
13	8.886	1154	1156	1159	rBV2	136748	111138	1.70%	0.179%
14	9.039	1179	1182	1184	rBV	135072	109960	1.68%	0.177%
15	9.063	1184	1186	1187	rVV	187129	146344	2.24%	0.236%
16	9.081	1187	1189	1192	rVV	236100	186131	2.85%	0.300%
17	9.139	1196	1199	1202	rVV	319859	282669	4.33%	0.455%
18	9.286	1220	1224	1227	rVB2	60762	67718	1.04%	0.109%
19	9.363	1228	1237	1240	rBV5	95302	221766	3.39%	0.357%
20	9.422	1242	1247	1250	rVV4	74306	124471	1.90%	0.201%
21	9.492	1253	1259	1261	rVV2	285247	293698	4.49%	0.473%
22	9.516	1261	1263	1267	rVB2	111534	91341	1.40%	0.147%
23	9.598	1275	1277	1282	rVB3	109148	114813	1.76%	0.185%
24	9.639	1282	1284	1286	rBV	169015	119798	1.83%	0.193%
25	9.669	1286	1289	1292	rVB4	75805	90664	1.39%	0.146%
26	9.716	1292	1297	1299	rBV5	77023	108150	1.66%	0.174%
27	9.757	1299	1304	1307	rBV2	1156084	1211701	18.54%	1.953%
28	9.786	1307	1309	1314	rVB2	154874	136199	2.08%	0.219%
29	9.863	1319	1322	1326	rVB3	301775	298805	4.57%	0.481%
30	9.928	1326	1333	1336	rBV4	240082	396197	6.06%	0.638%
31	9.957	1336	1338	1340	rVB2	78371	67152	1.03%	0.108%
32	10.028	1347	1350	1354	rVB2	119452	125161	1.92%	0.202%
33	10.122	1363	1366	1368	rBV2	70124	78624	1.20%	0.127%
34	10.157	1370	1372	1375	rVB	101944	98231	1.50%	0.158%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K1971-07 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-14(9-11)-031519

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
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.245	1384	1387	1390	rVB2	223382	201496	3.08%	0.325%
36	10.298	1393	1396	1398	rBV2	134163	119295	1.83%	0.192%
37	10.416	1413	1416	1420	rBV	282102	281834	4.31%	0.454%
38	10.580	1441	1444	1447	rBV2	54710	90594	1.39%	0.146%
39	10.610	1447	1449	1451	rVV3	97904	101139	1.55%	0.163%
40	10.627	1451	1452	1457	rVV3	141678	129486	1.98%	0.209%
41	10.680	1457	1461	1466	rVV3	546989	717472	10.98%	1.156%
42	10.745	1469	1472	1474	rBV3	96097	72335	1.11%	0.117%
43	10.786	1477	1479	1481	rVV2	101296	88257	1.35%	0.142%
44	10.839	1485	1488	1492	rVB5	134739	146337	2.24%	0.236%
45	11.022	1513	1519	1522	rBV	998039	1154413	17.67%	1.860%
46	11.051	1522	1524	1526	rVV2	144335	140114	2.14%	0.226%
47	11.086	1527	1530	1532	rVV	307617	319796	4.89%	0.515%
48	11.110	1532	1534	1537	rVB3	249810	240662	3.68%	0.388%
49	11.145	1537	1540	1543	rBV	344647	359073	5.50%	0.579%
50	11.198	1543	1549	1553	rVB2	977240	1199569	18.36%	1.933%
51	11.239	1553	1556	1558	rBV	1132666	928775	14.21%	1.497%
52	11.386	1578	1581	1584	rVB	374110	390830	5.98%	0.630%
53	11.416	1584	1586	1587	rVB	109890	70861	1.08%	0.114%
54	11.463	1591	1594	1597	rBV2	714244	772567	11.82%	1.245%
55	11.504	1597	1601	1604	rVV3	1248765	1482547	22.69%	2.389%
56	11.539	1604	1607	1610	rVV	1164034	1076924	16.48%	1.735%
57	11.574	1610	1613	1616	rVV2	413750	547117	8.37%	0.882%
58	11.633	1619	1623	1626	rVV2	2611371	2790520	42.71%	4.497%
59	11.669	1626	1629	1633	rVV3	263609	399219	6.11%	0.643%
60	11.733	1637	1640	1644	rVV3	921255	932716	14.27%	1.503%
61	11.774	1644	1647	1648	rVV2	441236	359208	5.50%	0.579%
62	11.792	1648	1650	1653	rVV2	641374	812696	12.44%	1.310%
63	11.827	1653	1656	1661	rVV3	2454921	3210538	49.13%	5.173%
64	11.869	1661	1663	1670	rVV2	1395427	2186451	33.46%	3.523%
65	11.939	1670	1675	1680	rVV2	1998902	3070190	46.99%	4.947%
66	11.986	1680	1683	1687	rVV4	1482920	2789809	42.69%	4.496%
67	12.033	1687	1691	1696	rVV2	4716266	6534332	100.00%	10.529%
68	12.080	1696	1699	1701	rVV	1266344	1426133	21.83%	2.298%
69	12.104	1701	1703	1707	rVV2	1850927	1947991	29.81%	3.139%
70	12.186	1711	1717	1723	rVV4	1828623	2925004	44.76%	4.713%
71	12.269	1727	1731	1735	rVV	2517401	3067747	46.95%	4.943%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : SB-14(9-11)-031519

Integration Parameters: rteint.p
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Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.310	1736	1738	1741	rVV3	392391	477838	7.31%	0.770%
73	12.363	1742	1747	1750	rVV2	798913	1372761	21.01%	2.212%
74	12.416	1754	1756	1758	rVB	297647	239430	3.66%	0.386%
75	12.492	1765	1769	1772	rVB3	1067381	1295445	19.83%	2.087%
76	12.521	1772	1774	1776	rVB	175887	131246	2.01%	0.211%
77	12.545	1776	1778	1781	rBV	563763	525953	8.05%	0.848%
78	12.633	1788	1793	1797	rVB2	693745	761306	11.65%	1.227%
79	12.710	1804	1806	1808	rBV2	168621	140224	2.15%	0.226%
80	12.739	1809	1811	1816	rVB2	328958	420010	6.43%	0.677%
81	12.798	1817	1821	1823	rBV2	1978612	2048349	31.35%	3.301%
82	12.939	1842	1845	1846	rBV2	304286	312965	4.79%	0.504%
83	12.957	1846	1848	1854	rVB	712395	728844	11.15%	1.174%
84	13.098	1870	1872	1876	rVB4	253097	286715	4.39%	0.462%
85	13.286	1902	1904	1908	rBV2	332116	370472	5.67%	0.597%
86	13.321	1908	1910	1913	rVB	269195	245903	3.76%	0.396%
87	13.433	1927	1929	1931	rBV	183852	133461	2.04%	0.215%
88	13.868	2000	2003	2006	rBV	1106420	964098	14.75%	1.554%
89	15.280	2239	2243	2247	rBV	572889	655929	10.04%	1.057%

Sum of corrected areas: 62057689

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113183.D
Acq On : 20 Mar 2019 20:57
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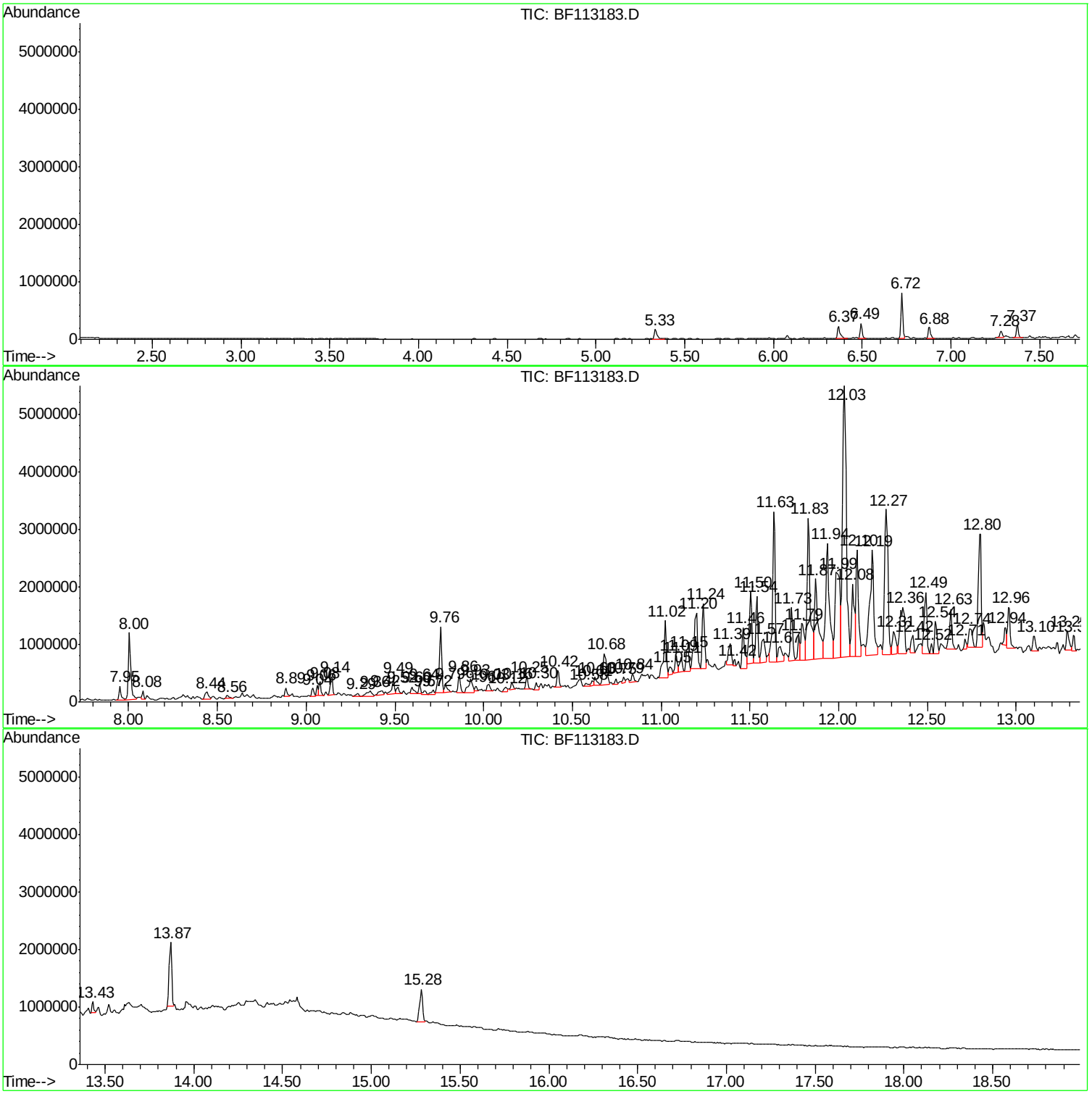
Sample : K1971-07 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-14(9-11)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113183.D
Acq On : 20 Mar 2019 20:57
Operator : JU/SJ
Sample : K1971-07 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-14(9-11)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

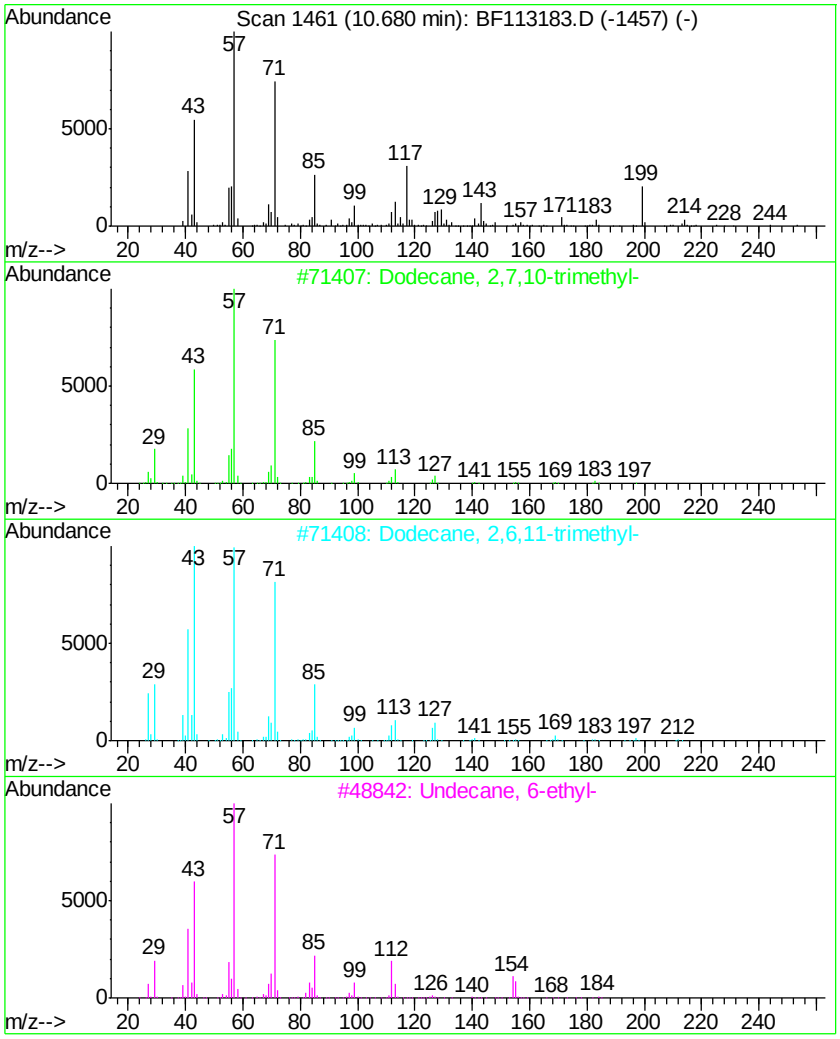
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

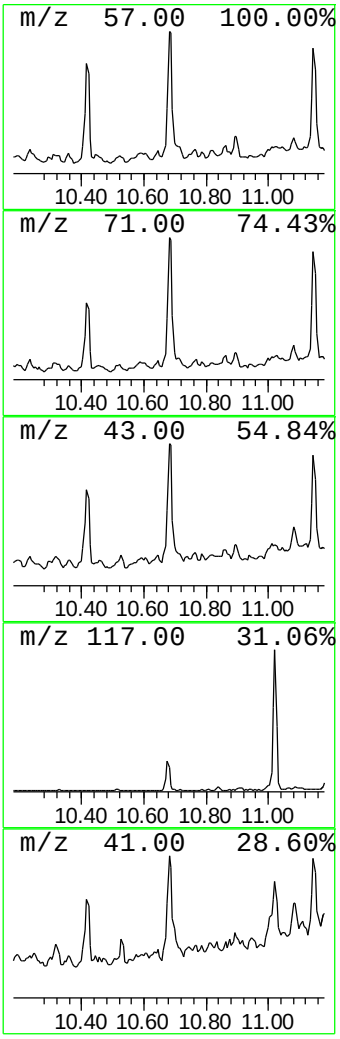
****

Peak Number 1 Dodecane, 2,7,10-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	15.45 ng	717472	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
3	Undecane, 6-ethyl-	184	C13H28	017312-60-6	62
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	50
5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113183.D
Acq On : 20 Mar 2019 20:57
Operator : JU/SJ
Sample : K1971-07 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-14(9-11)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

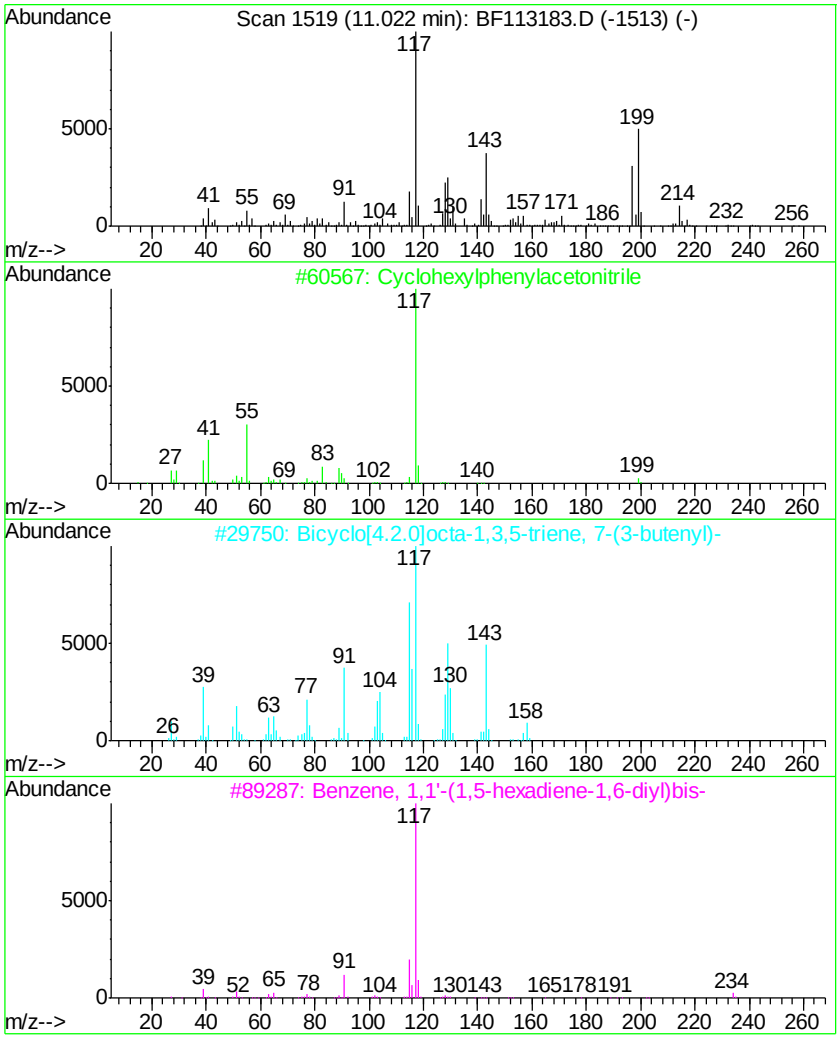
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

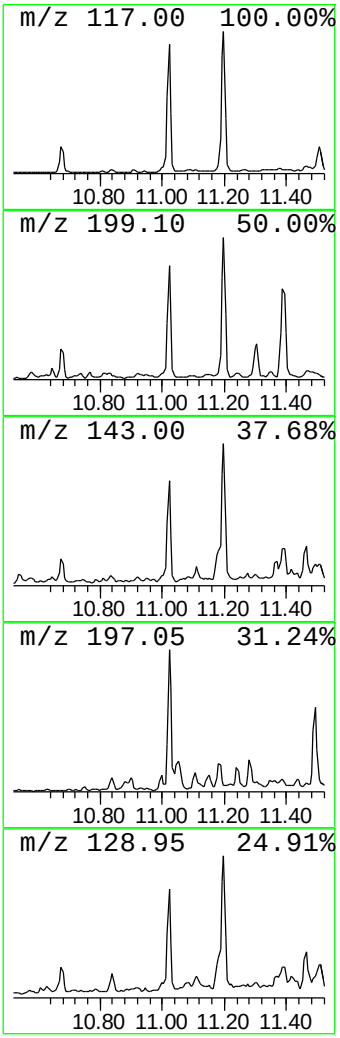
****

Peak Number 2 unknown11.02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	24.86 ng	1154410	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexylphenylacetonitrile	199	C14H17N	003893-23-0	38
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	158	C12H14	122057-61-8	32
3	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	22
4	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	12
5	4-(3-Chloropropyl)styrene	180	C11H13Cl	097344-49-5	12





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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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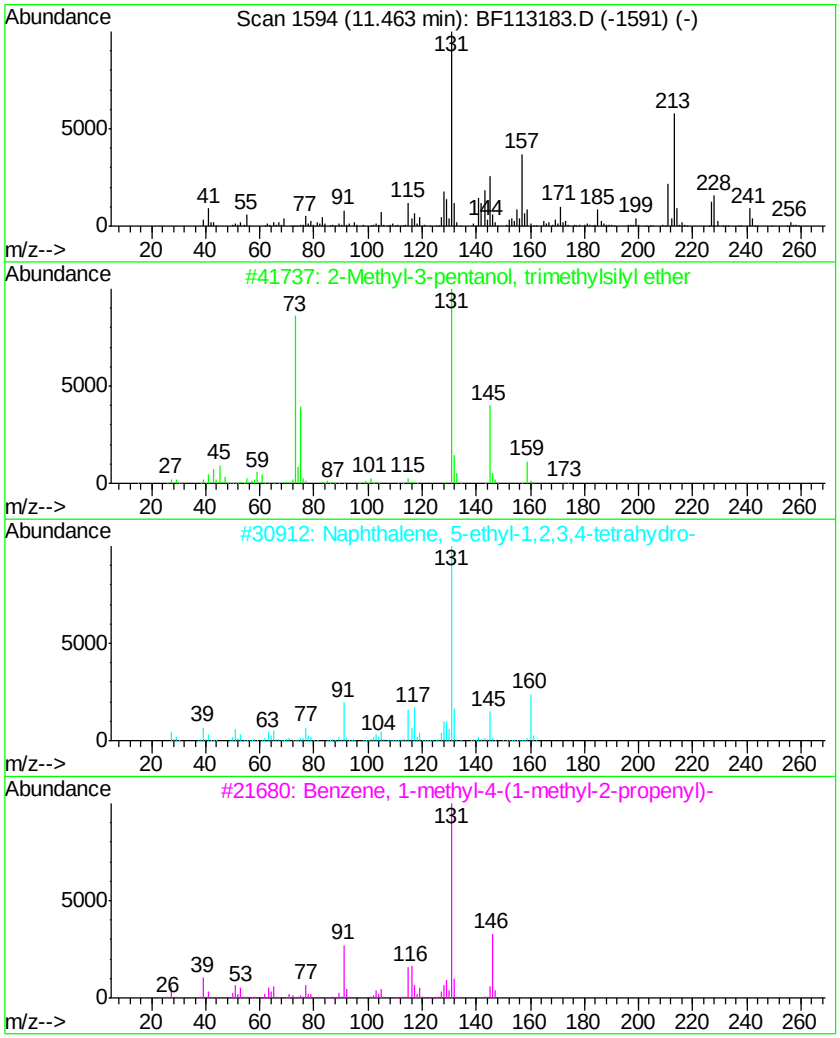
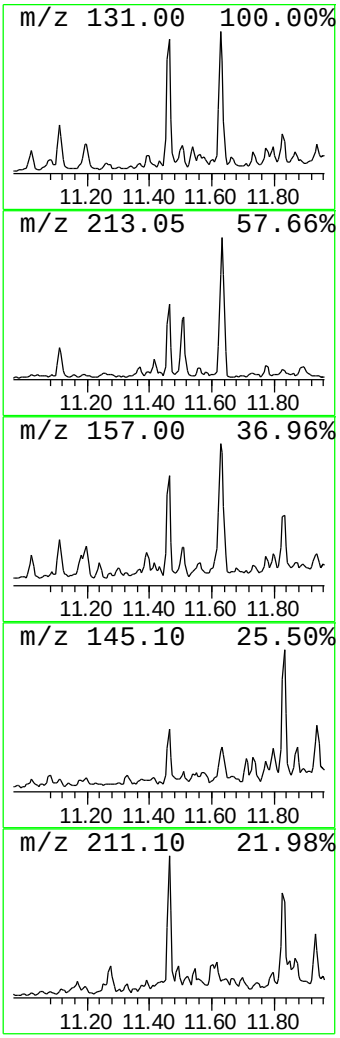
Peak Number 3 unknown11.46 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	16.64 ng	772567	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-3-pentanol, trimethylsi...	174	C9H22OSi	1000352-36-6	35
2	Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	27
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	25
4	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	22
5	Naphthalene, 1-ethyl-1,2,3,4-tet...	160	C12H16	013556-58-6	22





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TIC Library : C:\DATABASE\NIST11.L
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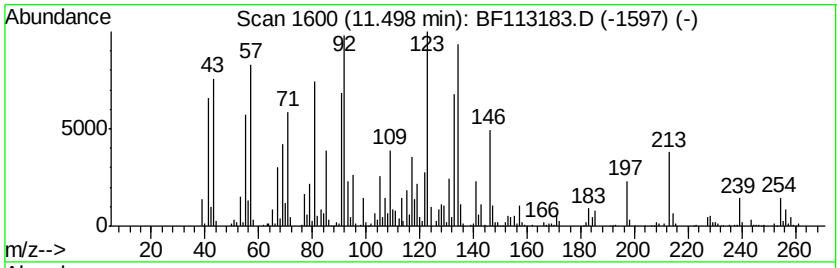
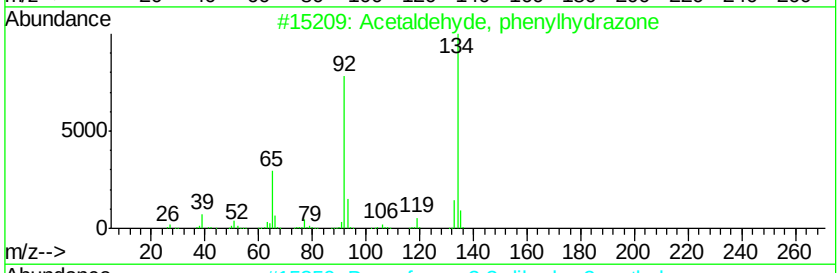
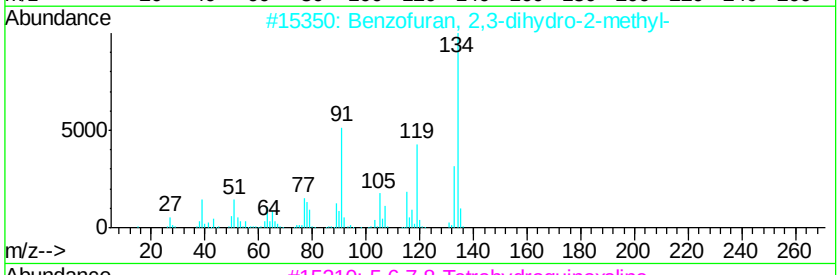
Peak Number 4 unknown11.50 Concentration Rank 10

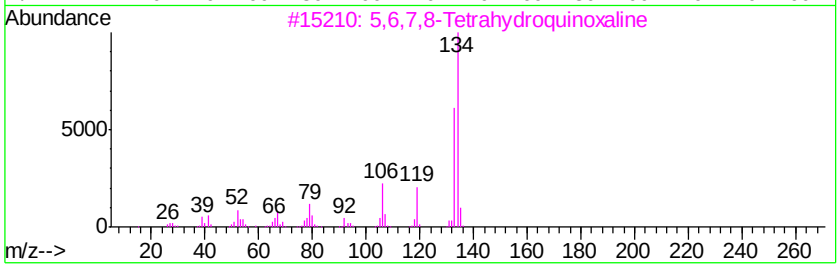
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	31.92 ng	1482550	Phenanthrene-d10	11.24

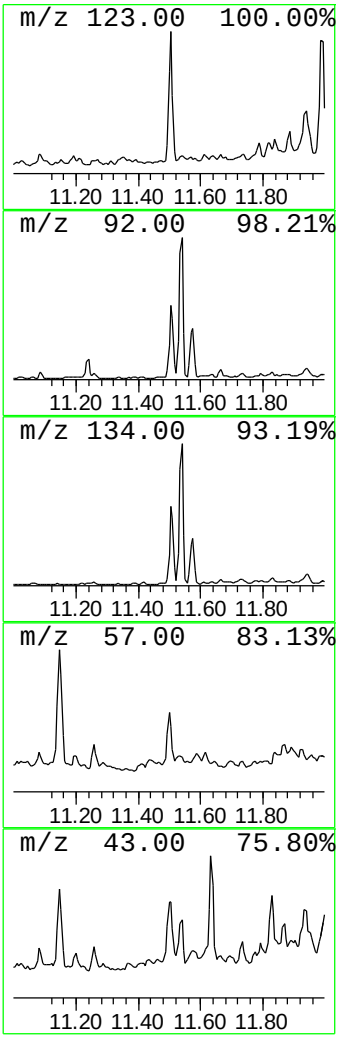
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde, phenylhydrazone	134	C8H10N2	000935-07-9	38
2	Benzofuran, 2,3-dihydro-2-methyl-	134	C9H10O	001746-11-8	30
3	5,6,7,8-Tetrahydroquinoxaline	134	C8H10N2	034413-35-9	30
4	Benzaldehyde, 2,5-dimethyl-	134	C9H10O	005779-94-2	30
5	5-Methylene-4,5,6,6a-tetrahydro-...	134	C9H10O	1000193-02-7	30











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Instrument : BNA_F
ClientSampleId : SB-14(9-11)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

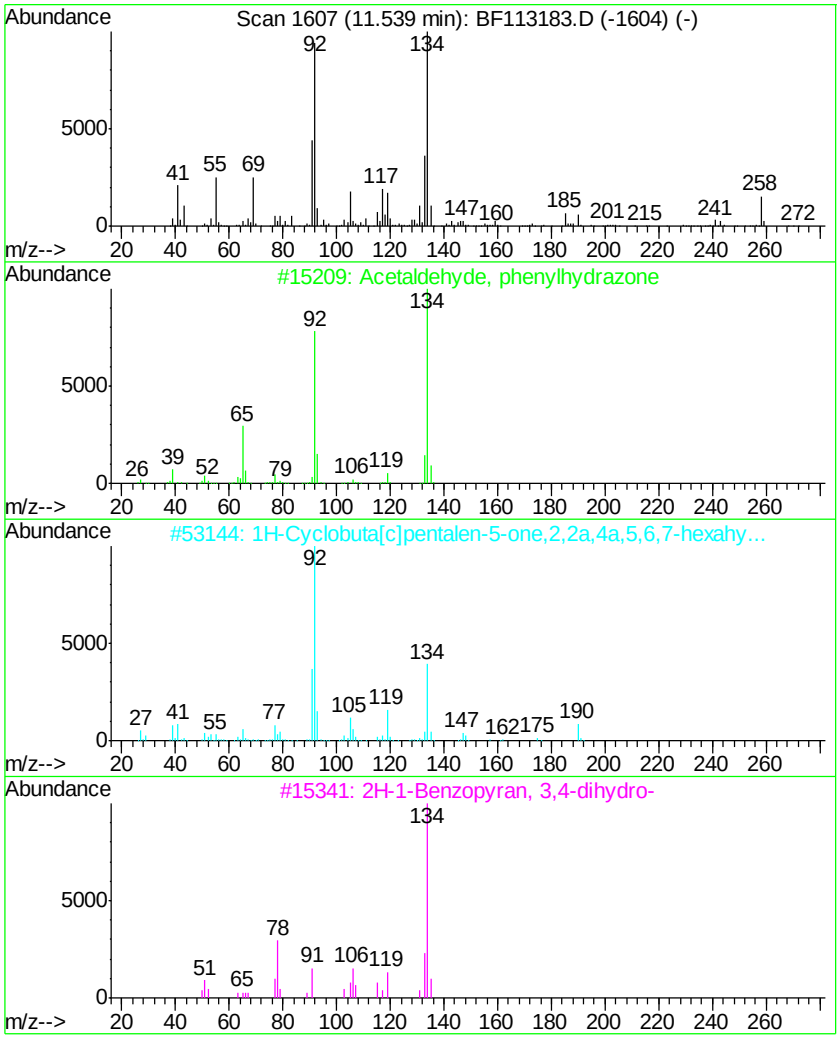
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

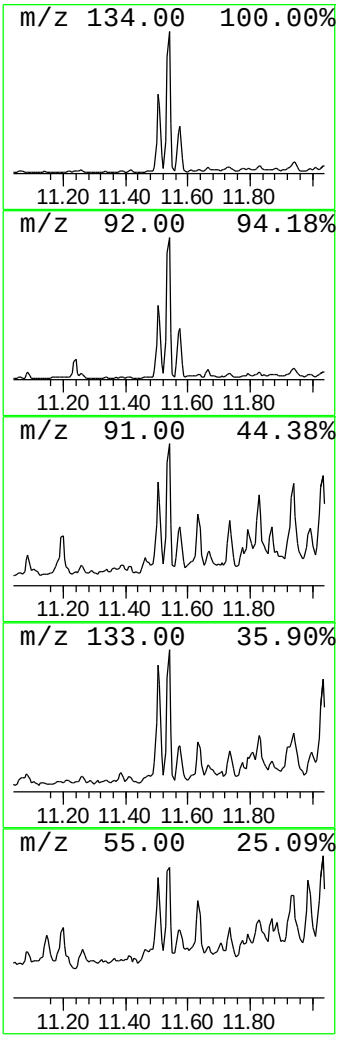
****

Peak Number 5 Acetaldehyde, phenylhydrazone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	23.19 ng	1076920	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde, phenylhydrazone	134	C8H10N2	000935-07-9	64
2	1H-Cyclobuta[c]pentalen-5-one,2,...	190	C13H18O	081532-22-1	59
3	2H-1-Benzopyran, 3,4-dihydro-	134	C9H10O	000493-08-3	43
4	Bicyclopentyl-1,1'-diene	134	C10H14	000934-02-1	43
5	Benzofuran, 2,3-dihydro-2-methyl-	134	C9H10O	001746-11-8	43





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Operator : JU/SJ
Sample : K1971-07 10X
Misc :
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ClientSampleId : SB-14(9-11)-031519

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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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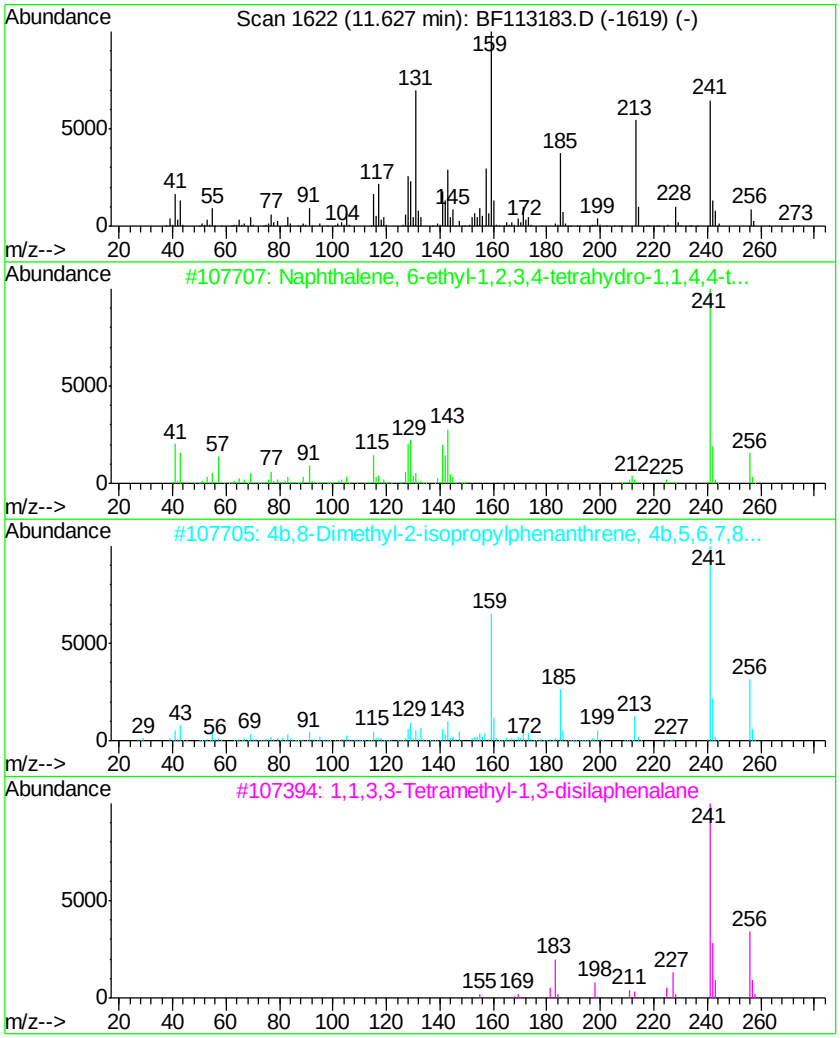
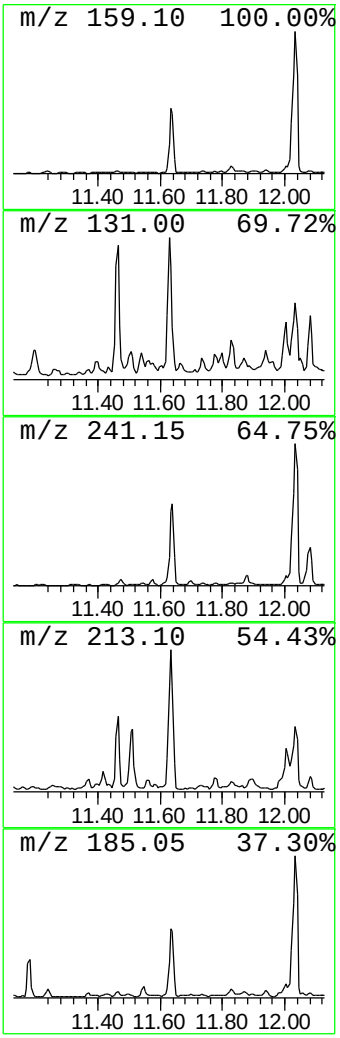
Peak Number 6 Naphthalene, 6-ethyl-1,2,3,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	60.09 ng	2790520	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	95
2	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	46
3	1,1,3,3-Tetramethyl-1,3-disilaph...	256	C15H20Si2	032538-51-5	35
4	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	30
5	Uracil, 5-(p-cyanophenyl)-1,3-di...	241	C13H11N3O2	1000164-78-4	25





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-14(9-11)-031519

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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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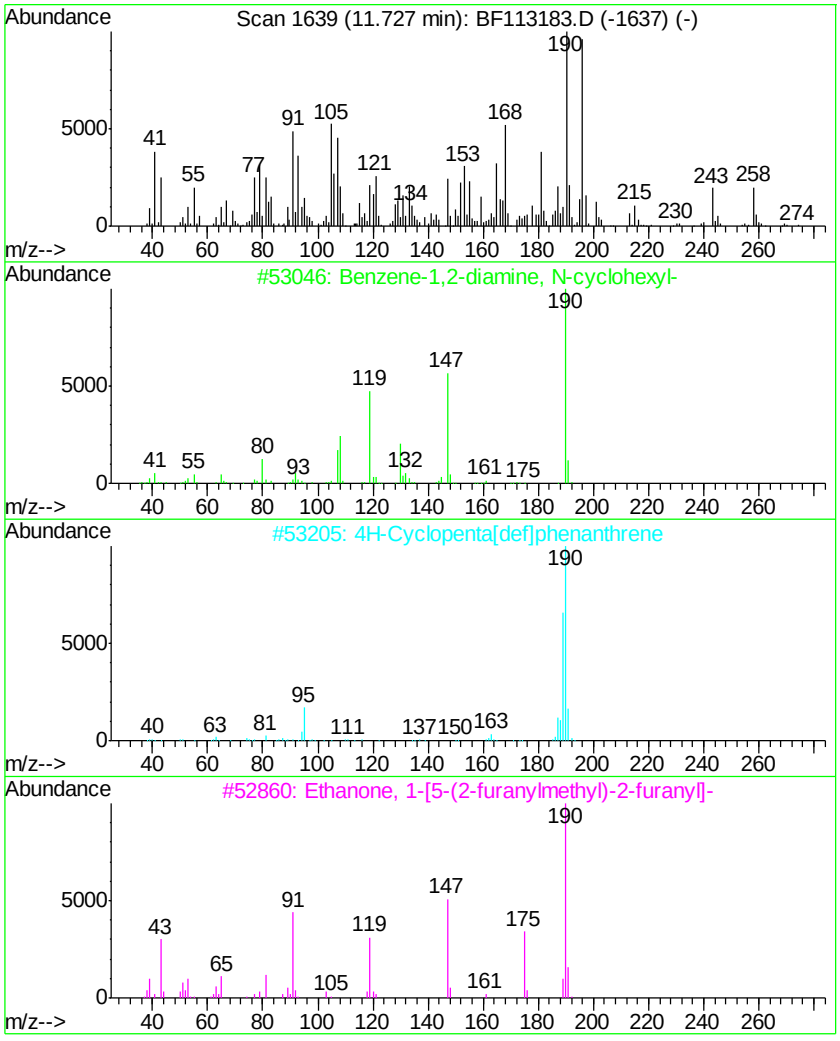
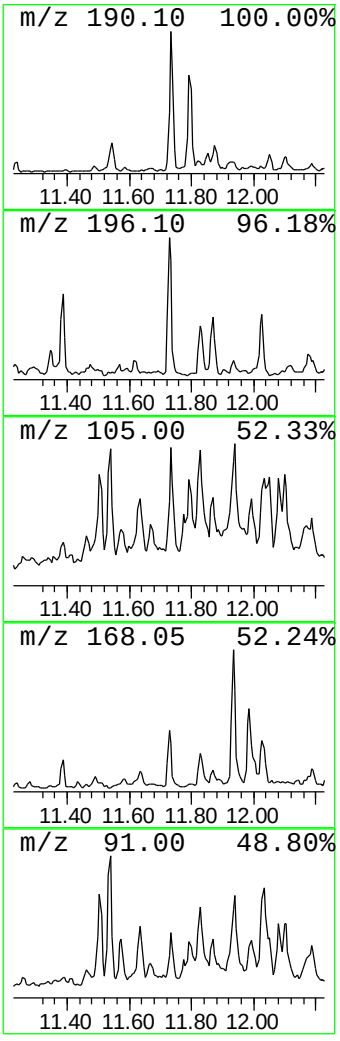
Peak Number 7 unknown11.73 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	20.08 ng	932716	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene-1,2-diamine, N-cyclohexyl-	190	C12H18N2	1000303-07-6	43
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
3	Ethanone, 1-[5-(2-furanylmethyl)...	190	C11H10O3	052805-84-2	38
4	2-Furancarboxaldehyde, 5-[(5-met...	190	C11H10O3	034995-74-9	35
5	4-Methyl-5-phenyl-2-thiazolamine	190	C10H10N2S	028241-62-5	35





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Misc :
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ClientSampleId : SB-14(9-11)-031519

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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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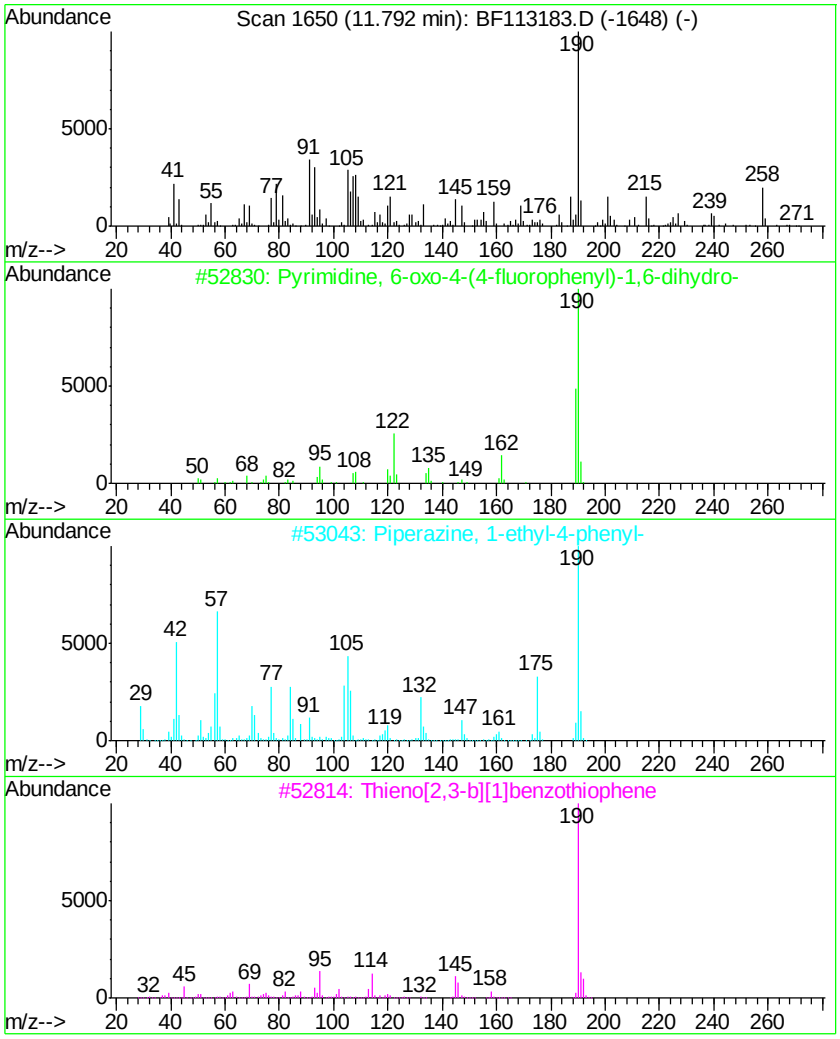
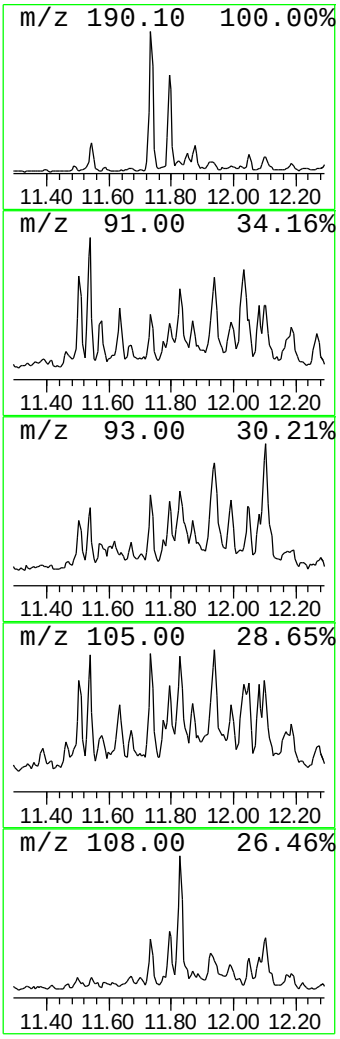
Peak Number 8 unknown11.79 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	17.50 ng	812696	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrimidine, 6-oxo-4-(4-fluorophe...	190	C10H7FN2O	085979-57-3	43
2	Piperazine, 1-ethyl-4-phenyl-	190	C12H18N2	057498-25-6	38
3	Thieno[2,3-b][1]benzothiophene	190	C10H6S2	000247-16-5	38
4	Benzo[4,5]imidazo[2,1-c][1,2,4]t...	190	C8H6N4S	1000305-00-2	38
5	2-Cyano-6-methoxybenzothiazole	190	C9H6N2OS	000943-03-3	35





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-14(9-11)-031519

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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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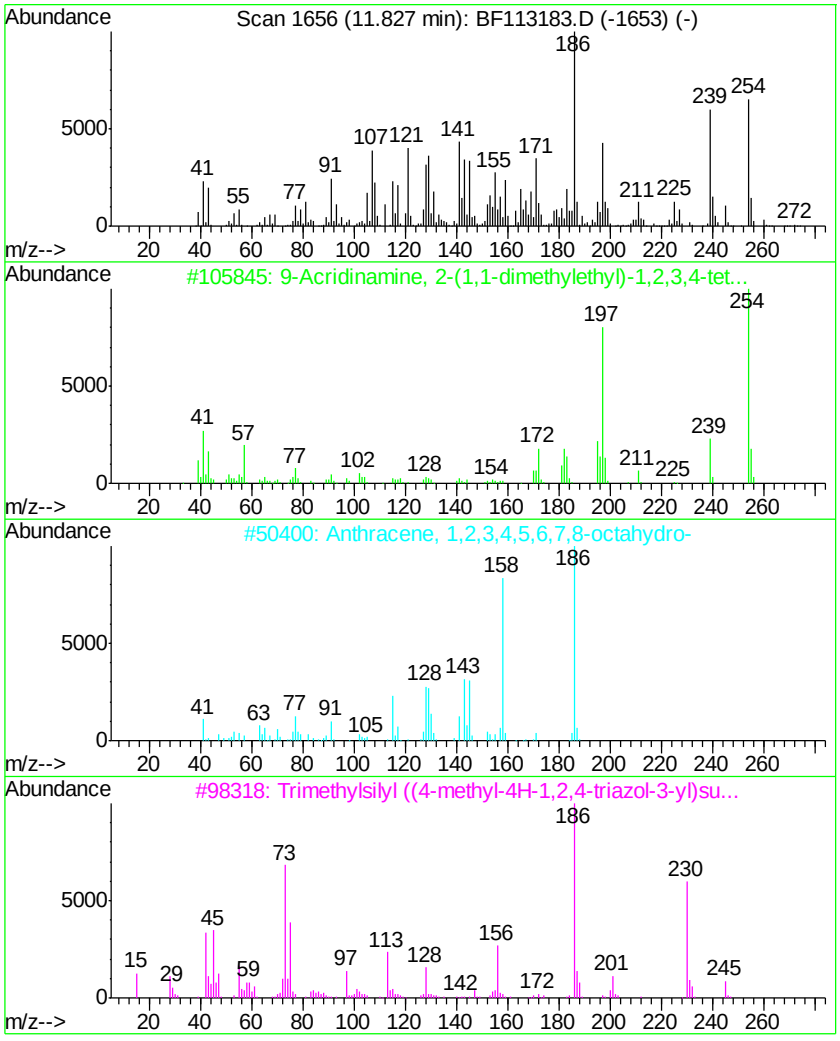
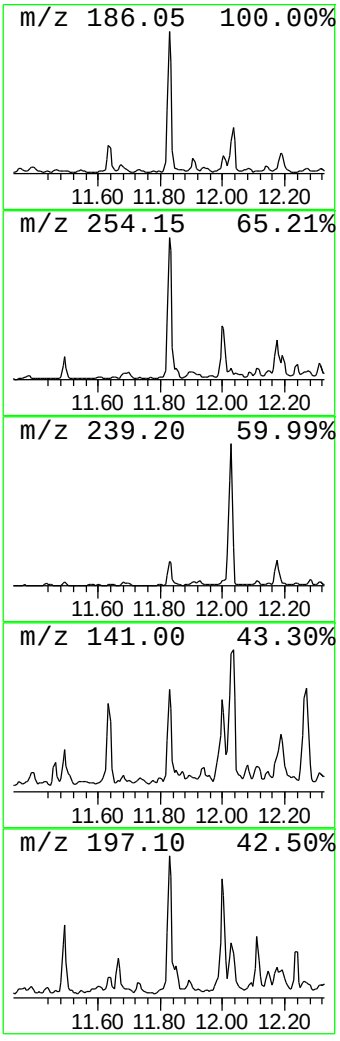
Peak Number 9 unknown11.83 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	69.13 ng	3210540	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Acridinamine, 2-(1,1-dimethyle...	254	C17H22N2	1000318-93-9	35
2	Anthracene, 1,2,3,4,5,6,7,8-octa...	186	C14H18	001079-71-6	25
3	Trimethylsilyl ((4-methyl-4H-1,2...	245	C8H15N3O2SSi	1000297-95-6	25
4	Hydrazine, [4-(methylsulfonyl)ph...	186	C7H10N2O2S	000877-66-7	25
5	Hydroquinone bis(trimethylsilyl)...	254	C12H22O2Si2	002117-24-0	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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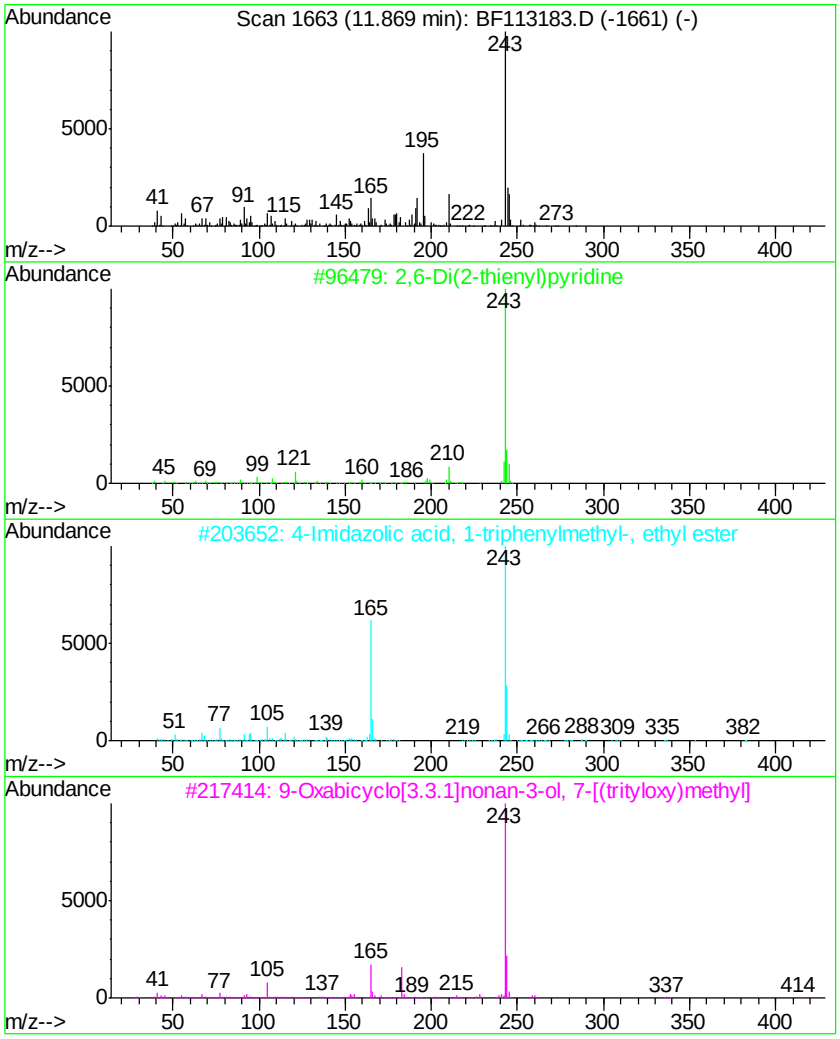
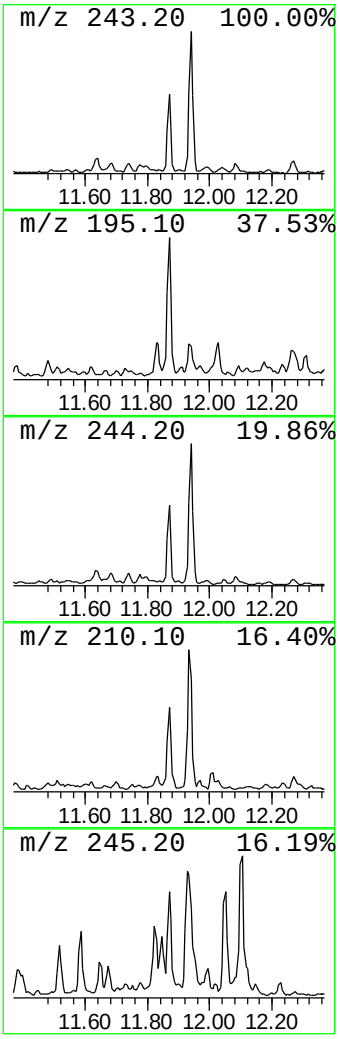
Peak Number 10 2,6-Di(2-thienyl)pyridine Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	47.08 ng	2186450	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Di(2-thienyl)pyridine	243	C13H9NS2	035299-71-9	50
2	4-Imidazolic acid, 1-triphenylme...	382	C25H22N2O2	053525-60-3	47
3	9-Oxabicyclo[3.3.1]nonan-3-ol, 7...	414	C28H30O3	1000197-53-9	47
4	1-Pentanol, 5,5,5-triphenyl-	316	C23H24O	002294-95-3	47
5	Imidazole, 1-triphenylmethyl-4-m...	324	C23H20N2	082594-80-7	47





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Misc :
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ClientSampleId : SB-14(9-11)-031519

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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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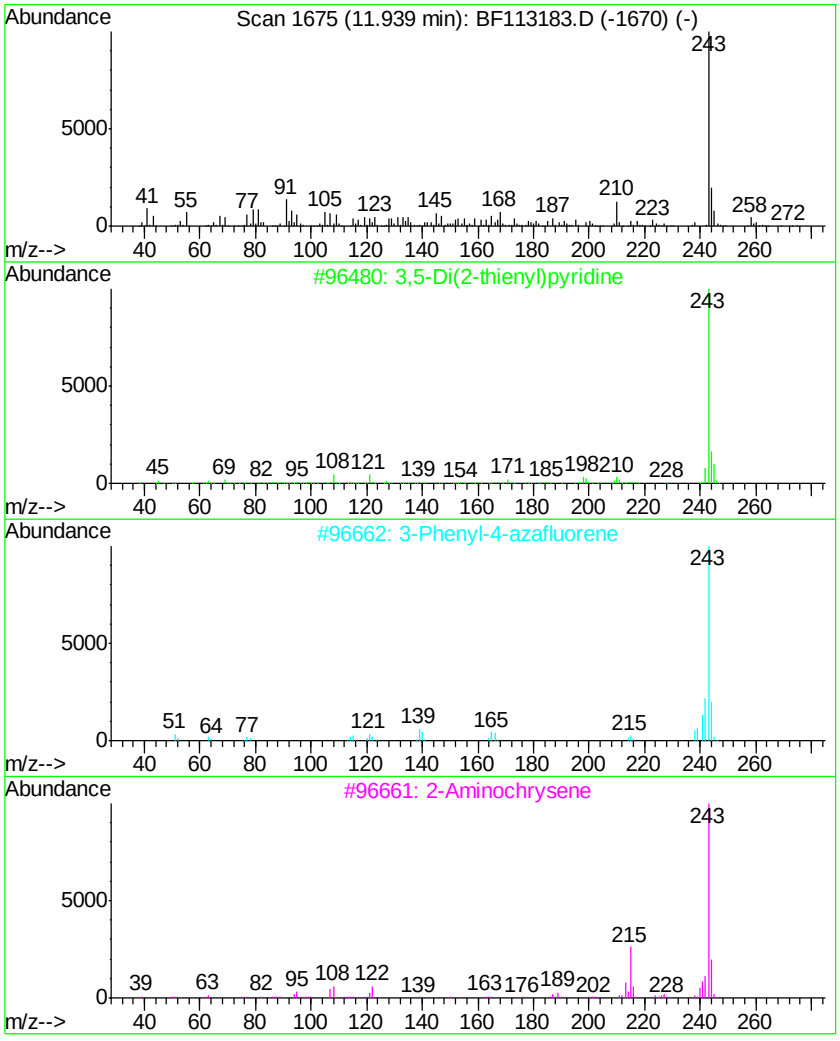
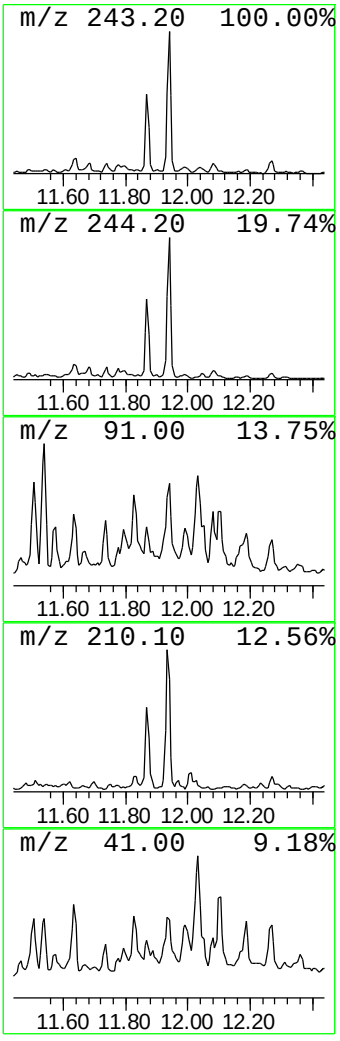
Peak Number 11 3,5-Di(2-thienyl)pyridine Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	66.11 ng	3070190	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Di(2-thienyl)pyridine	243	C13H9NS2	117823-19-5	68
2	3-Phenyl-4-azafluorene	243	C18H13N	033777-97-8	64
3	2-Aminochrysene	243	C18H13N	000789-47-9	64
4	2-Hexanone, 4-hydroxy-3-methyl-1...	358	C25H26O2	1000198-02-1	64
5	2-Imidazolic aldehyde, 1-triphen...	338	C23H18N2O	067478-50-6	64





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Sample : K1971-07 10X
Misc :
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ClientSampleId : SB-14(9-11)-031519

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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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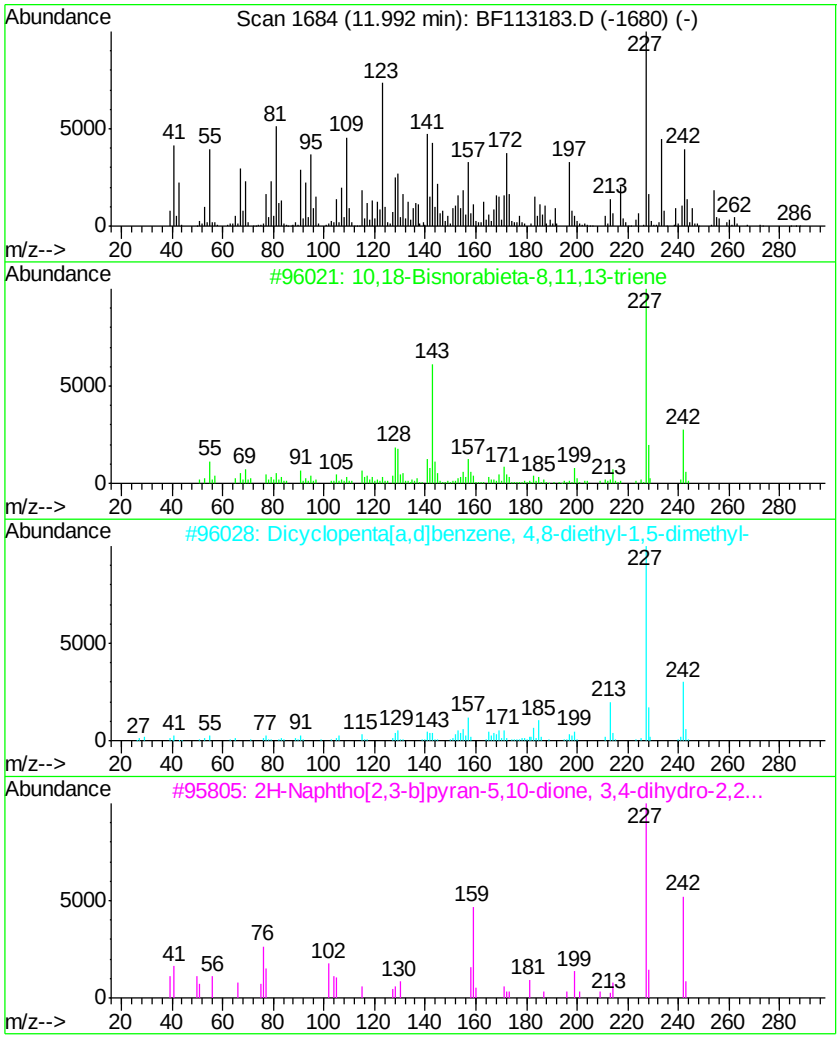
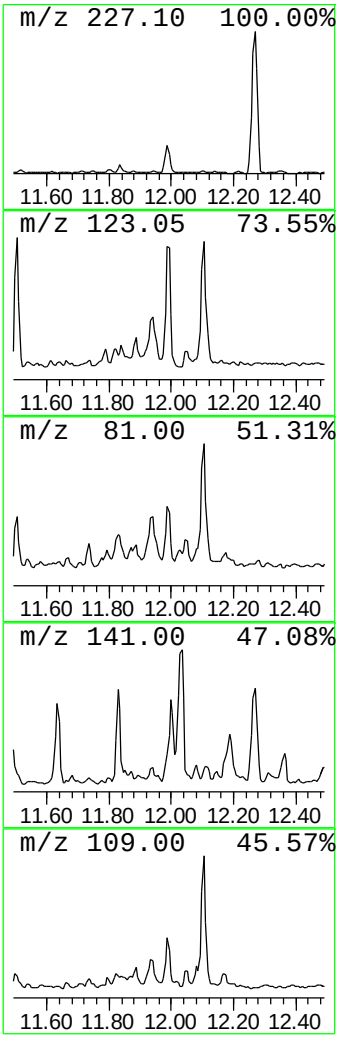
Peak Number 12 unknown11.99 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	60.08 ng	2789810	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	38
2	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	30
3	2H-Naphtho[2,3-b]pyran-5,10-dion...	242	C15H14O3	004707-33-9	25
4	1-Dimethylphenylsilyloxy-3-methy...	242	C15H18OSi	1000307-90-4	25
5	2-(4-((Trimethylsilyl)oxy)benzyl...	242	C13H14N2OSi	1000297-99-1	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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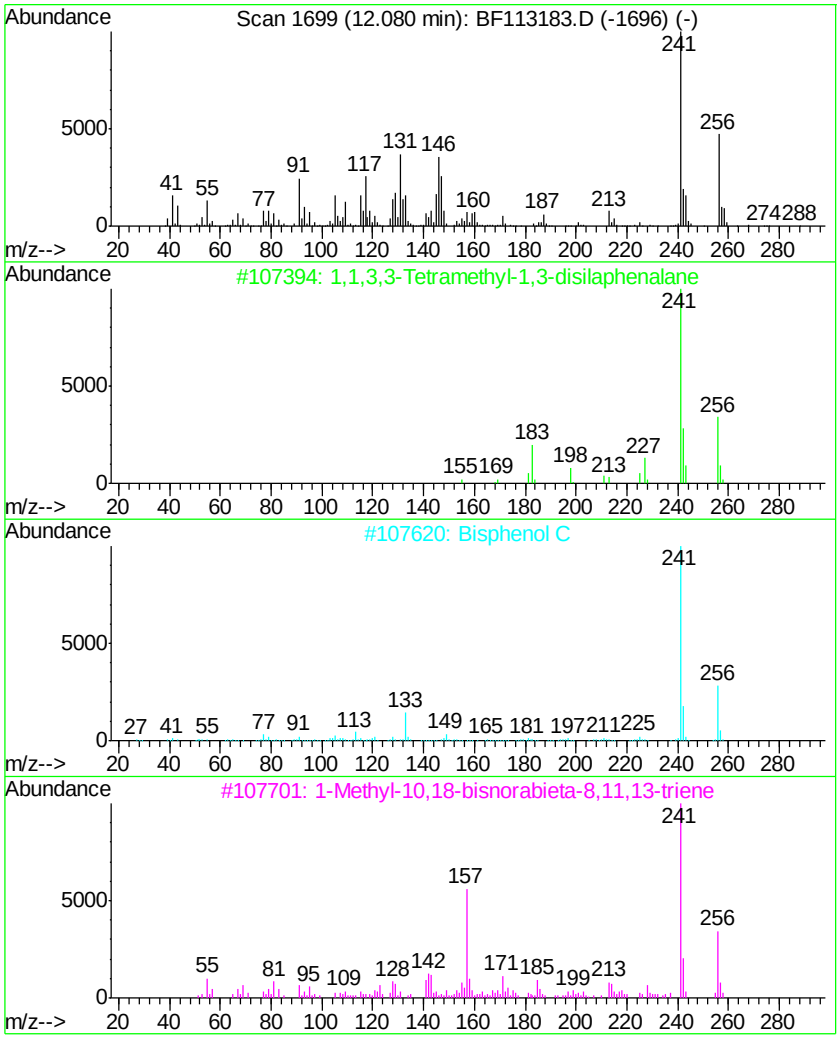
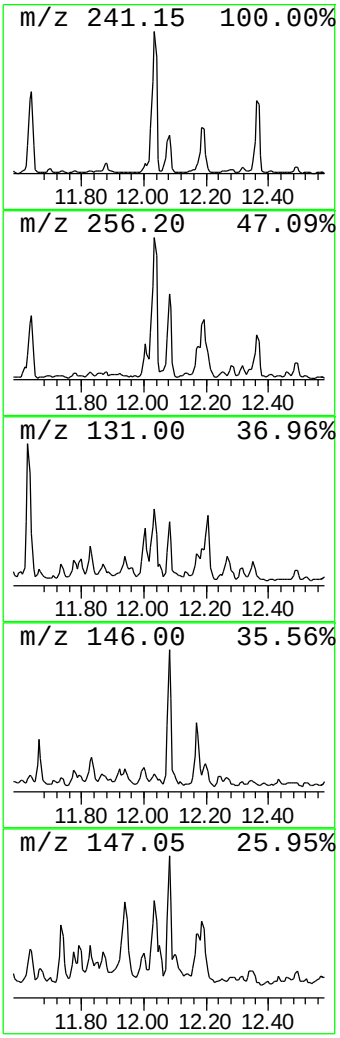
Peak Number 14 1,1,3,3-Tetramethyl-1,3-dis... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	30.71 ng	1426130	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,3,3-Tetramethyl-1,3-disilaph...	256	C15H20Si2	032538-51-5	50
2	Bisphenol C	256	C17H20O2	000079-97-0	49
3	1-Methyl-10,18-bisnorabieta-8,11...	256	C19H28	1000293-16-9	49
4	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	47
5	1-Bromo-3-tert-butyl-2-methoxy-5...	256	C12H17BrO	117439-55-1	47





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Sample : K1971-07 10X
Misc :
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Instrument : BNA_F
ClientSampleId : SB-14(9-11)-031519

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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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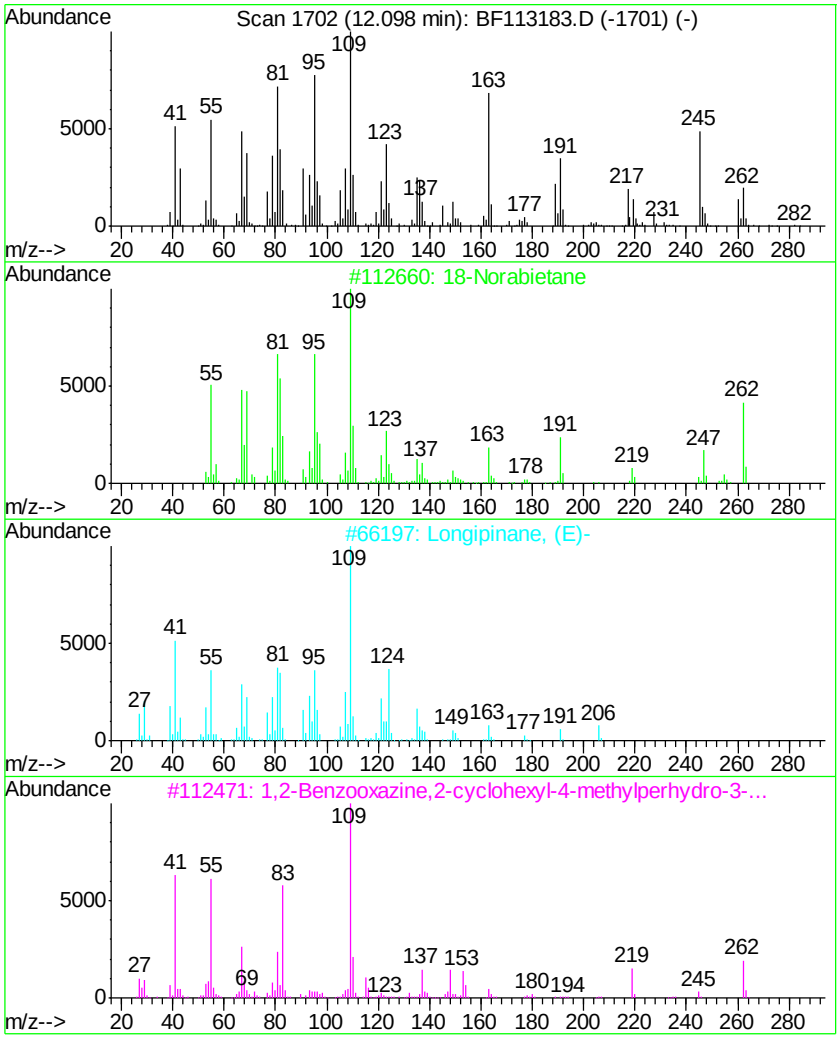
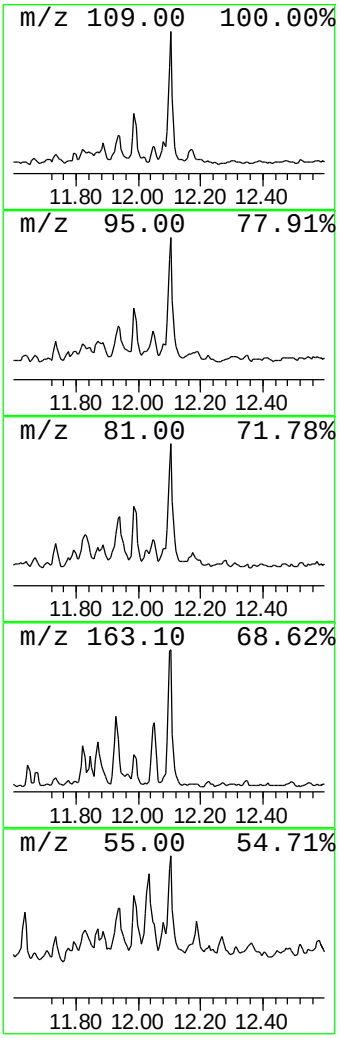
Peak Number 15 18-Norabietane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	41.95 ng	1947990	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	91
2	Longipinane, (E)-	206	C15H26	1000156-14-5	35
3	1,2-Benzooxazine,2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	30
4	Pyrazol-3-amine, 1-(4-fluorobenz...	191	C10H10FN3	1000272-83-2	22
5	1-(1-Butyny)cyclopentanol	138	C9H14O	1000342-86-5	22





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ALS Vial : 22 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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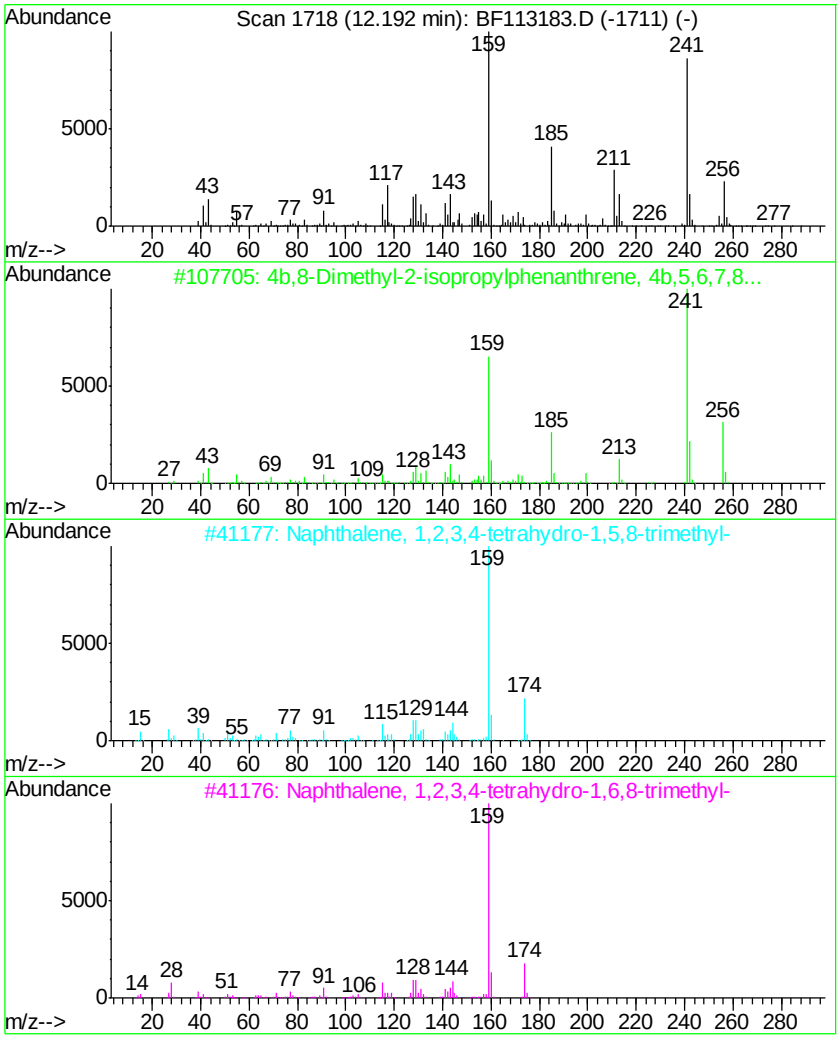
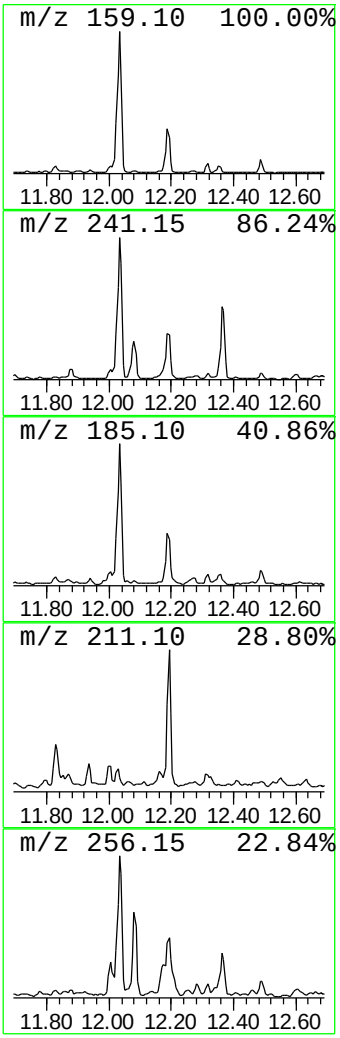
Peak Number 16 4b,8-Dimethyl-2-isopropylph... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	62.99 ng	2925000	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	98
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-51-6	38
3	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	30
4	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	27
5	2(1H)-Quinolinone, hydrazone	159	C9H9N3	015793-77-8	27





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Instrument : BNA_F
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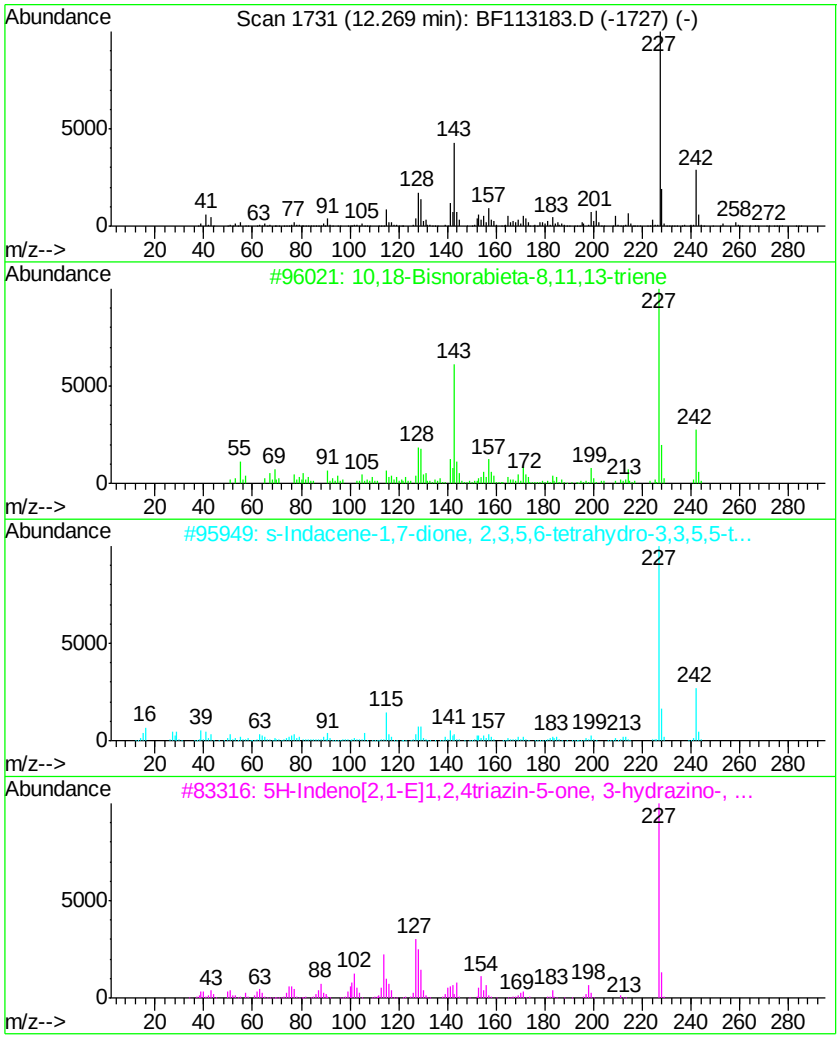
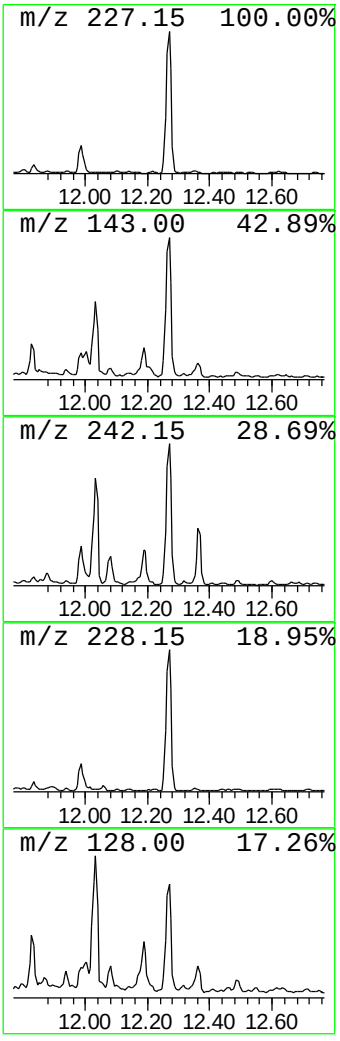
Peak Number 17 10,18-Bisnorabieta-8,11,13-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	66.06 ng	3067750	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	97
2	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	52
3	5H-Indeno[2,1-E]1,2,4triazin-5-o...	227	C10H9N7	1000271-75-1	49
4	7-Diethylamino-2-oxo-2H-chromene...	242	C14H14N2O2	332411-59-3	49
5	Sulfur diimide, bis(4-methylphen...	242	C14H14N2S	003839-88-1	43





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Data File : BF113183.D
Acq On : 20 Mar 2019 20:57
Operator : JU/SJ
Sample : K1971-07 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-14(9-11)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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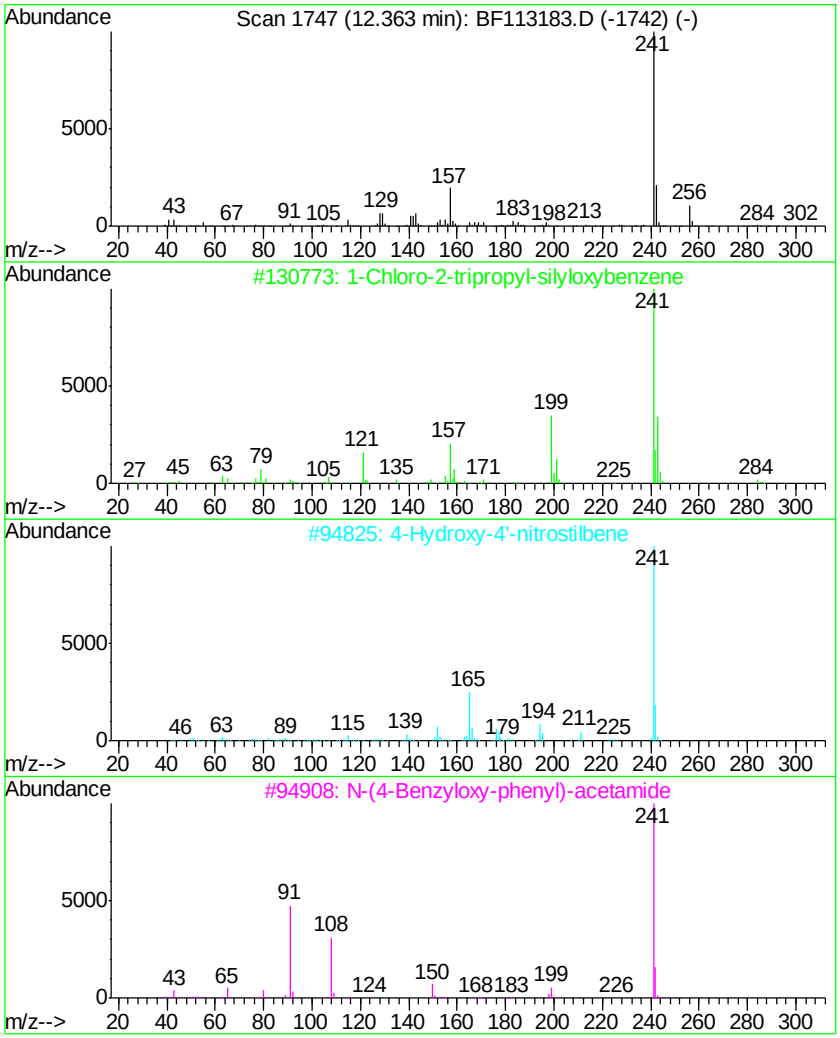
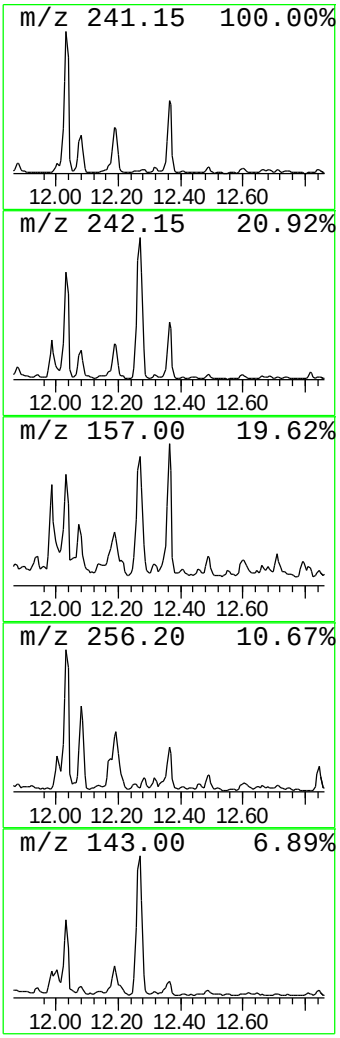
Peak Number 18 1-Chloro-2-tripropyl-silylo... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	29.56 ng	1372760	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Chloro-2-tripropyl-silyloxyben...	284	C15H25ClOSi	1000292-68-4	50
2	4-Hydroxy-4'-nitrostilbene	241	C14H11NO3	019221-08-0	47
3	N-(4-Benzyloxy-phenyl)-acetamide	241	C15H15NO2	1000300-71-9	47
4	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	45
5	1-Tripropylsilyloxyundec-2-ene	326	C20H42OSi	1000299-51-7	38





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Instrument : BNA_F
ClientSampleId : SB-14(9-11)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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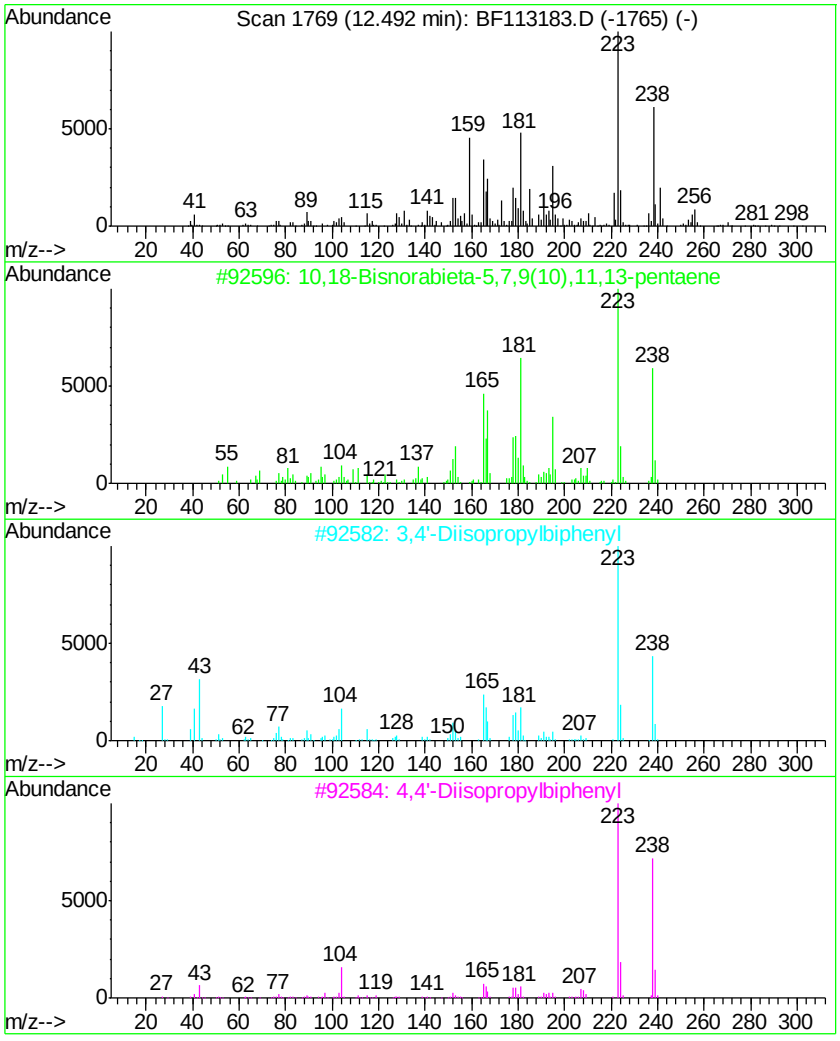
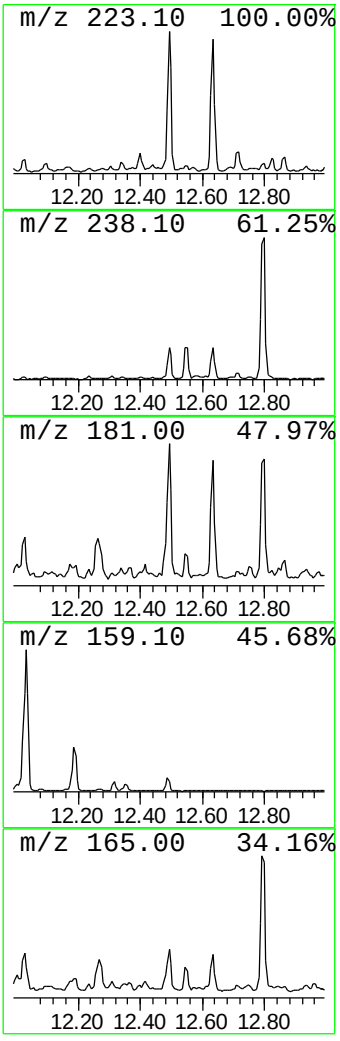
Peak Number 19 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	27.90 ng	1295450	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	70
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	41
4	3,3'-Diacetylbiphenyl	238	C16H14O2	094113-07-2	38
5	4,4'-Diacetyl biphenyl	238	C16H14O2	000787-69-9	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113183.D
Acq On : 20 Mar 2019 20:57
Operator : JU/SJ
Sample : K1971-07 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-14(9-11)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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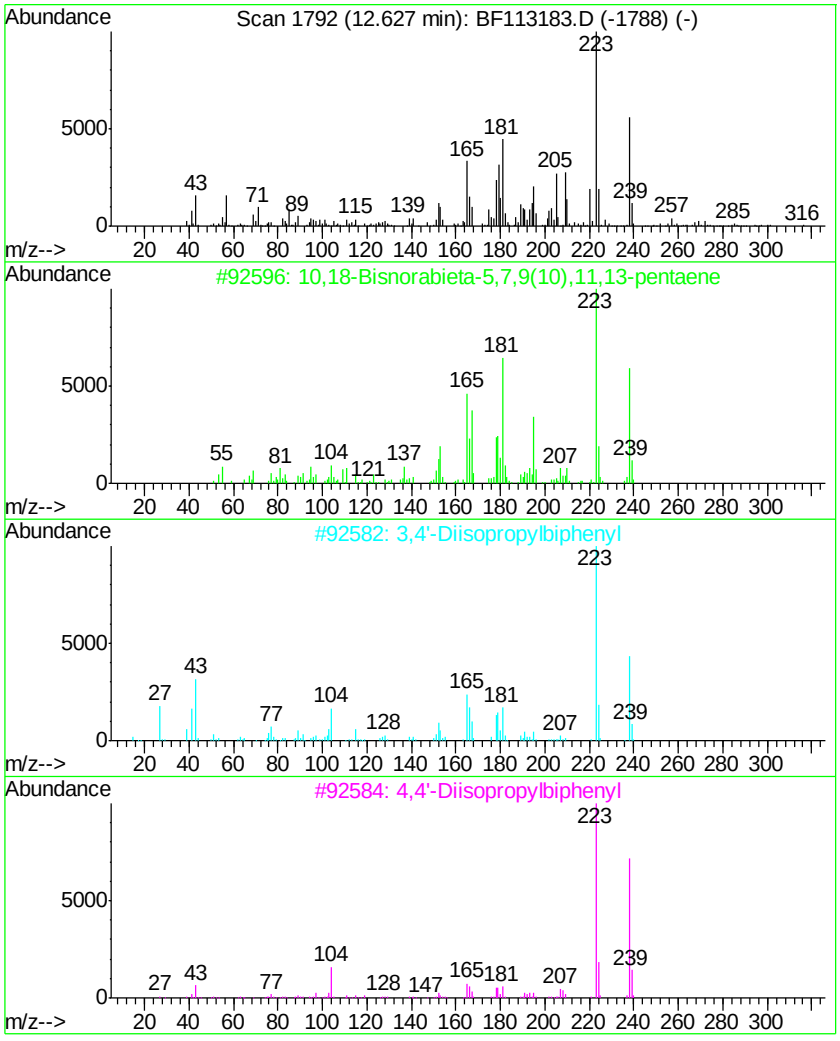
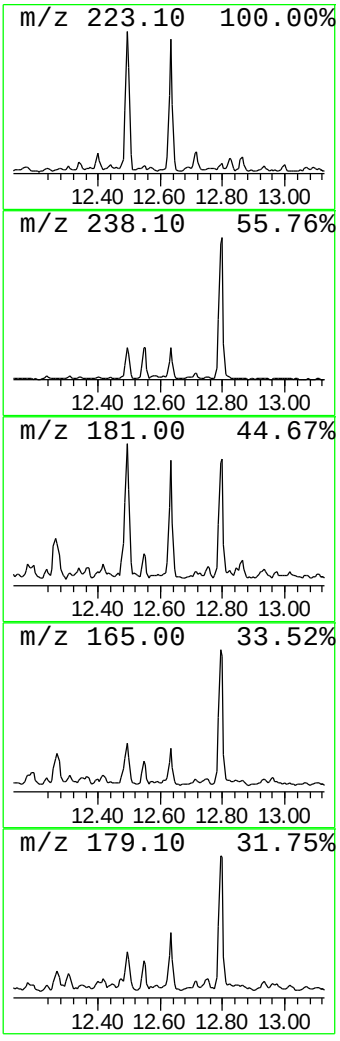
Peak Number 20 3,4'-Diisopropylbiphenyl Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	15.79 ng	761306	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	76
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	60
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	46
4	3,3'-Diacetylbiphenyl	238	C16H14O2	094113-07-2	43
5	Anthraquinone, 2-amino-	223	C14H9NO2	000117-79-3	41





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113183.D
Acq On : 20 Mar 2019 20:57
Operator : JU/SJ
Sample : K1971-07 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-14(9-11)-031519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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
Dodecane, 2,7,10-...	10.68	15.4	ng	717472	4	11.24	928775	20.0
unknown11.02	11.02	24.9	ng	1154410	4	11.24	928775	20.0
unknown11.46	11.46	16.6	ng	772567	4	11.24	928775	20.0
unknown11.50	11.50	31.9	ng	1482550	4	11.24	928775	20.0
Acetaldehyde, phe...	11.54	23.2	ng	1076920	4	11.24	928775	20.0
Naphthalene, 6-et...	11.63	60.1	ng	2790520	4	11.24	928775	20.0
unknown11.73	11.73	20.1	ng	932716	4	11.24	928775	20.0
unknown11.79	11.79	17.5	ng	812696	4	11.24	928775	20.0
unknown11.83	11.83	69.1	ng	3210540	4	11.24	928775	20.0
2,6-Di(2-thienyl)...	11.87	47.1	ng	2186450	4	11.24	928775	20.0
3,5-Di(2-thienyl)...	11.94	66.1	ng	3070190	4	11.24	928775	20.0
unknown11.99	11.99	60.1	ng	2789810	4	11.24	928775	20.0
1,1,3,3-Tetrameth...	12.08	30.7	ng	1426130	4	11.24	928775	20.0
18-Norabietane	12.10	42.0	ng	1947990	4	11.24	928775	20.0
4b,8-Dimethyl-2-i...	12.19	63.0	ng	2925000	4	11.24	928775	20.0
10,18-Bisnorabiet...	12.27	66.1	ng	3067750	4	11.24	928775	20.0
1-Chloro-2-tripro...	12.36	29.6	ng	1372760	4	11.24	928775	20.0
10,18-Bisnorabiet...	12.49	27.9	ng	1295450	4	11.24	928775	20.0
3,4'-Diisopropylb...	12.63	15.8	ng	761306	5	13.87	964098	20.0