LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
Data File : BF112688.D
Acq On : 25 Feb 2019 13:20
Operator : JU/SJ
Sample : K1595-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-CBF-B10

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-BF012519.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	5.463	571	574	591	rBV	1168919	1398710	84.99%	4.812%
2	6.481	744	747	763	rBV	1305254	1583667	96.23%	5.448%
3	6.598	763	767	773	rVV	1698639	1645736	100.00%	5.662%
4	6.645	773	775	780	rVV	50557	71941	4.37%	0.247%
5	6.692	780	783	789	rVV	23740	32244	1.96%	0.111%
6	6.810	800	803	812	rBV	420417	413699	25.14%	1.423%
7	6.887	812	816	819	rBV	56875	49757	3.02%	0.171%
8	6.969	826	830	845	rVB	1347338	1180017	71.70%	4.059%
9	7.075	845	848	856	rBV	45447	54737	3.33%	0.188%
10	7.381	896	900	914	rBV	920569	948749	57.65%	3.264%
11	7.669	946	949	958	rVB	105945	106342	6.46%	0.366%
12	8.092	1018	1021	1023	rBV	532746	504252	30.64%	1.735%
13	8.116	1023	1025	1032	rVV	730036	677424	41.16%	2.330%
14	8.310	1054	1058	1065	rBV	110375	93984	5.71%	0.323%
15	8.369	1065	1068	1081	rVB	102950	102480	6.23%	0.353%
16	8.810	1138	1143	1150	rBV2	318247	326729	19.85%	1.124%
17	8.863	1150	1152	1155	rVV	37322	32476	1.97%	0.112%
18	8.910	1155	1160	1169	rVB	156983	158896	9.66%	0.547%
19	9.169	1199	1204	1213	rBV	1569137	1473362	89.53%	5.069%
20	9.269	1218	1221	1227	rVB2	88723	101312	6.16%	0.349%
21	9.369	1233	1238	1243	rVB2	30962	43063	2.62%	0.148%
22	9.439	1246	1250	1253	rBV2	50413	67820	4.12%	0.233%
23	9.510	1258	1262	1264	rBV	75738	83048	5.05%	0.286%
24	9.533	1264	1266	1269	rVV	50727	57164	3.47%	0.197%
25	9.563	1269	1271	1278	rVV	118532	107559	6.54%	0.370%
26	9.628	1279	1282	1290	rVB2	38363	48063	2.92%	0.165%
27	9.710	1293	1296	1301	rVB	67113	62512	3.80%	0.215%
28	9.828	1311	1316	1317	rBV	56534	52032	3.16%	0.179%
29	9.851	1317	1320	1322	rVV	576699	553436	33.63%	1.904%
30	9.880	1322	1325	1333	rVV	475590	423935	25.76%	1.458%
31	9.945	1333	1336	1342	rVV4	18992	35325	2.15%	0.122%
32	10.004	1342	1346	1351	rVV2	34226	43264	2.63%	0.149%
33	10.057	1351	1355	1359	rVV	337920	313136	19.03%	1.077%
34	10.092	1359	1361	1365	rVV2	35892	33531	2.04%	0.115%

LSC Area Percent Report

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Sample : K1595-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-CBF-B10

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.257	1384	1389	1395	rBV6	20676	48467	2.95%	0.167%
36	10.398	1409	1413	1419	rBV	536536	475884	28.92%	1.637%
37	10.463	1419	1424	1425	rBV	34901	48501	2.95%	0.167%
38	10.480	1425	1427	1430	rVB2	60358	52705	3.20%	0.181%
39	10.557	1437	1440	1444	rVB	83601	75395	4.58%	0.259%
40	10.645	1449	1455	1461	rBV2	1055160	1036717	62.99%	3.566%
41	10.763	1472	1475	1480	rVB	78733	90344	5.49%	0.311%
42	10.816	1480	1484	1487	rBV	170299	181124	11.01%	0.623%
43	10.845	1487	1489	1493	rVV2	175989	226029	13.73%	0.778%
44	10.880	1493	1495	1498	rVV	162192	154123	9.36%	0.530%
45	10.910	1498	1500	1502	rVV	86938	71641	4.35%	0.246%
46	10.945	1502	1506	1509	rVV3	110420	172631	10.49%	0.594%
47	10.998	1512	1515	1518	rVV3	107163	128805	7.83%	0.443%
48	11.033	1518	1521	1523	rVV	138823	132131	8.03%	0.455%
49	11.057	1523	1525	1526	rVV	50855	46232	2.81%	0.159%
50	11.075	1526	1528	1530	rVB2	87915	68084	4.14%	0.234%
51	11.186	1544	1547	1550	rVV2	46677	50897	3.09%	0.175%
52	11.233	1550	1555	1559	rVB2	125460	125455	7.62%	0.432%
53	11.339	1569	1573	1574	rBV	520193	465230	28.27%	1.600%
54	11.363	1574	1577	1582	rVV	1880603	1633772	99.27%	5.620%
55	11.416	1582	1586	1591	rVV	277242	291005	17.68%	1.001%
56	11.457	1591	1593	1598	rVV2	34479	49802	3.03%	0.171%
57	11.580	1611	1614	1618	rBV	84142	84500	5.13%	0.291%
58	11.622	1618	1621	1624	rVB2	37739	42056	2.56%	0.145%
59	11.839	1655	1658	1659	rBV	173339	148171	9.00%	0.510%
60	11.869	1659	1663	1667	rVB2	244181	333297	20.25%	1.147%
61	11.916	1669	1671	1674	rVB	69739	53610	3.26%	0.184%
62	11.951	1674	1677	1680	rBV	296698	303540	18.44%	1.044%
63	12.133	1704	1708	1712	rBV	106385	109771	6.67%	0.378%
64	12.180	1713	1716	1724	rVB7	42961	72278	4.39%	0.249%
65	12.269	1727	1731	1737	rBV	886585	773284	46.99%	2.660%
66	12.345	1741	1744	1747	rBV2	37521	42189	2.56%	0.145%
67	12.386	1748	1751	1755	rVV	71531	76630	4.66%	0.264%
68	12.557	1775	1780	1782	rBV	1214939	1190943	72.37%	4.097%
69	12.616	1787	1790	1791	rVV3	33725	38575	2.34%	0.133%
70	12.633	1791	1793	1801	rVV4	112922	189033	11.49%	0.650%
71	12.704	1802	1805	1808	rVV	69960	87005	5.29%	0.299%

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Misc :
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Instrument : BNA_F
ClientSampleId : TP-CBF-B10

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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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.763	1812	1815	1816	rVV	249925	220694	13.41%	0.759%
73	12.786	1816	1819	1825	rVV	881770	919731	55.89%	3.164%
74	12.833	1825	1827	1831	rVB2	67284	63669	3.87%	0.219%
75	12.910	1837	1840	1844	rBV	1205191	1085410	65.95%	3.734%
76	13.004	1851	1856	1861	rBV3	64921	131620	8.00%	0.453%
77	13.086	1867	1870	1871	rVV2	47581	47063	2.86%	0.162%
78	13.110	1871	1874	1880	rVB	183644	207782	12.63%	0.715%
79	13.174	1882	1885	1888	rVV	181847	168238	10.22%	0.579%
80	13.216	1889	1892	1896	rVB3	66296	89737	5.45%	0.309%
81	13.310	1904	1908	1911	rBV	60496	76846	4.67%	0.264%
82	13.339	1911	1913	1917	rVV	42605	52568	3.19%	0.181%
83	13.469	1932	1935	1937	rBV3	37053	43921	2.67%	0.151%
84	13.651	1964	1966	1970	rVB	69419	57769	3.51%	0.199%
85	13.745	1977	1982	1987	rBV3	206652	314491	19.11%	1.082%
86	13.798	1987	1991	1997	rVB4	92286	176034	10.70%	0.606%
87	13.980	2017	2022	2025	rBV2	677472	968198	58.83%	3.331%
88	14.010	2025	2027	2033	rVB	291112	270616	16.44%	0.931%
89	14.092	2038	2041	2042	rBV	51584	46851	2.85%	0.161%
90	14.368	2086	2088	2091	rVB	67363	60796	3.69%	0.209%
91	14.410	2092	2095	2098	rBV2	81691	84130	5.11%	0.289%
92	14.498	2108	2110	2111	rBV2	37961	34691	2.11%	0.119%
93	14.715	2144	2147	2151	rVB	98347	109732	6.67%	0.377%
94	15.033	2196	2201	2210	rBV2	290511	595978	36.21%	2.050%
95	15.327	2248	2251	2259	rVB	116191	153922	9.35%	0.530%
96	15.398	2259	2263	2268	rVB2	202843	317071	19.27%	1.091%
97	15.457	2268	2273	2277	rBV	338490	439281	26.69%	1.511%
98	15.827	2333	2336	2343	rVB4	84919	143623	8.73%	0.494%
99	16.315	2417	2419	2427	rVB3	43837	63241	3.84%	0.218%
100	16.956	2523	2528	2532	rVB3	44211	74876	4.55%	0.258%

Sum of corrected areas: 29068837

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
Data File : BF112688.D
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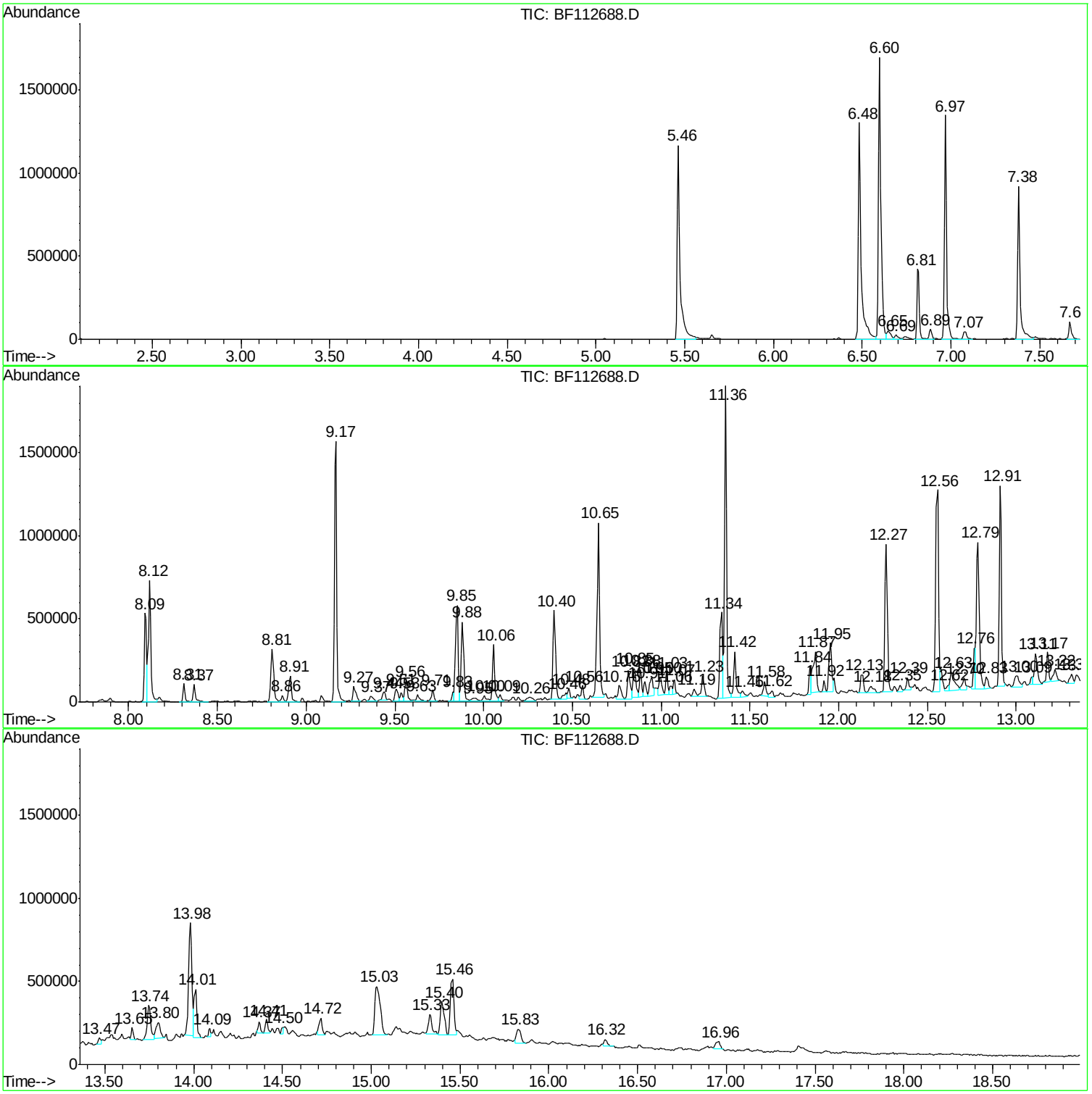
Sample : K1595-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-CBF-B10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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

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Instrument : BNA_F
ClientSampleId : TP-CBF-B10

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

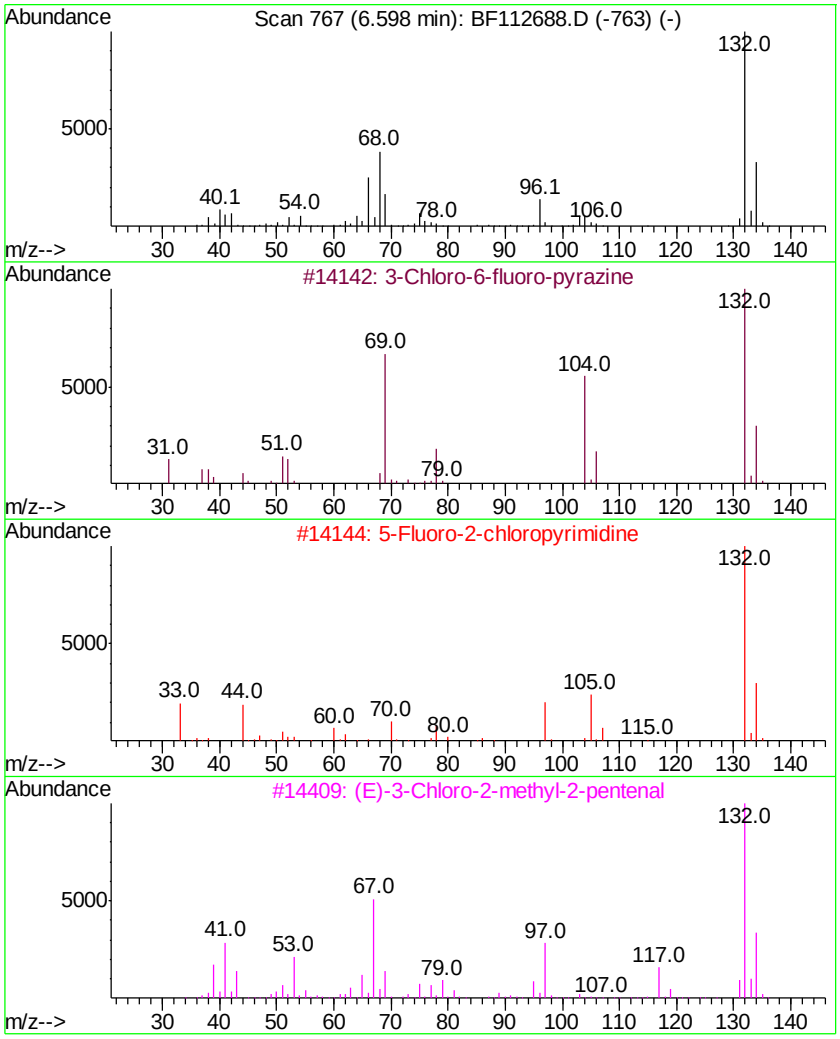
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

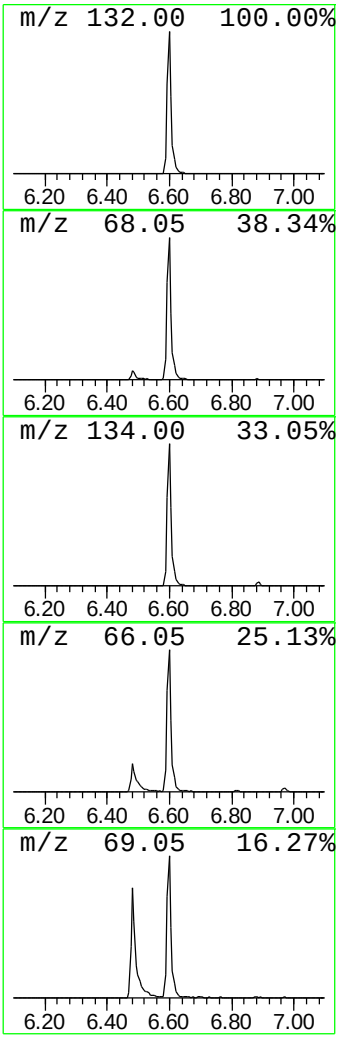
****

Peak Number 1 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	79.56 ng	1645740	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Instrument : BNA_F
ClientSampleId : TP-CBF-B10

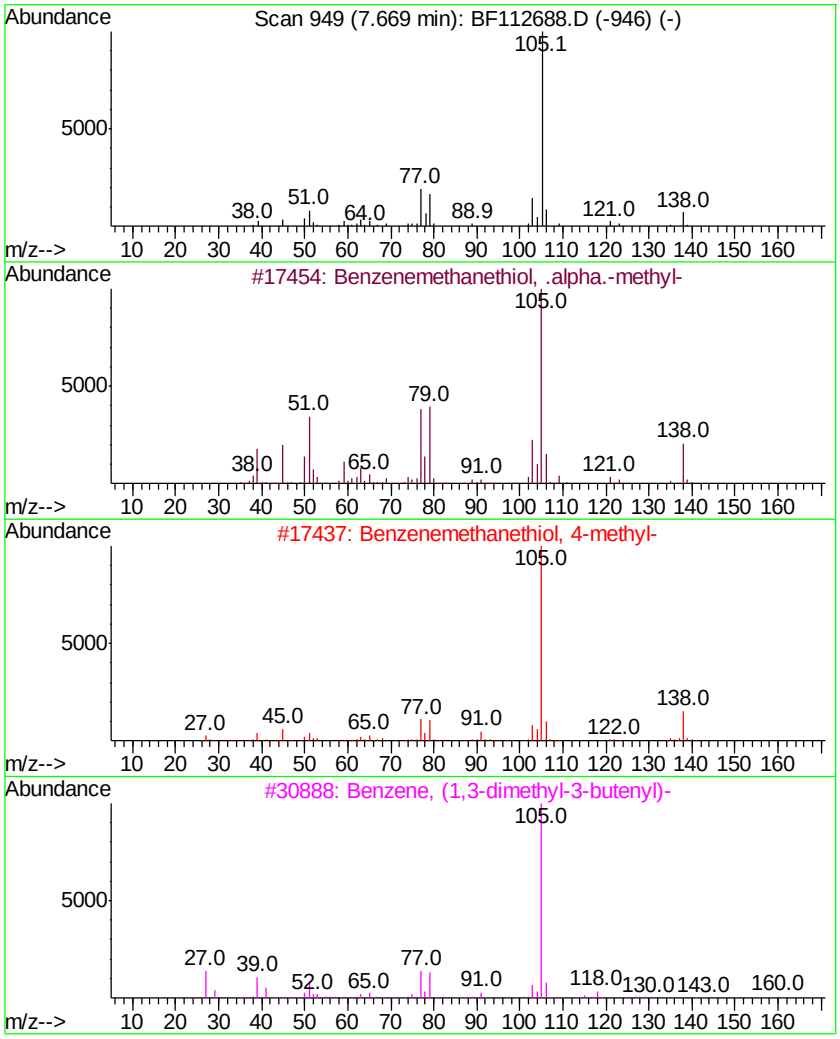
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

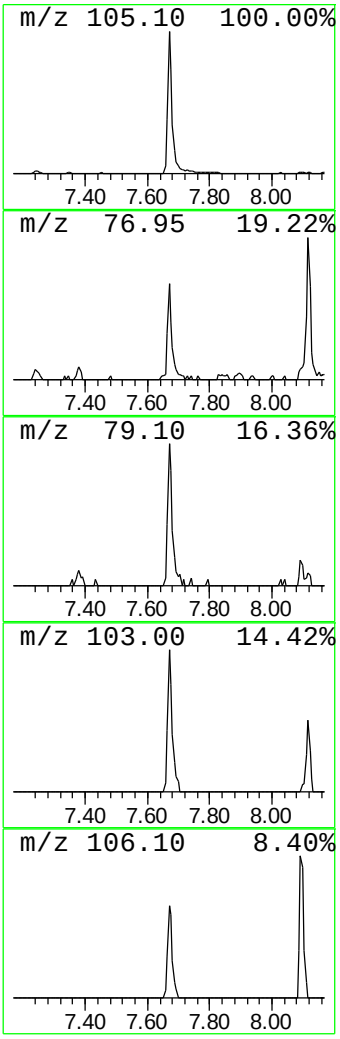
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzenemethanethiol, .alpha... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.67	4.22 ng	106342	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	83
2	Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	72
3	Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	59
4	Ether, p-methylbenzyl vinyl	148	C10H12O	026437-10-5	56
5	Benzene, 1-(bromomethyl)-4-methyl-	184	C8H9Br	000104-81-4	53





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TIC Library : C:\DATABASE\NIST11.L
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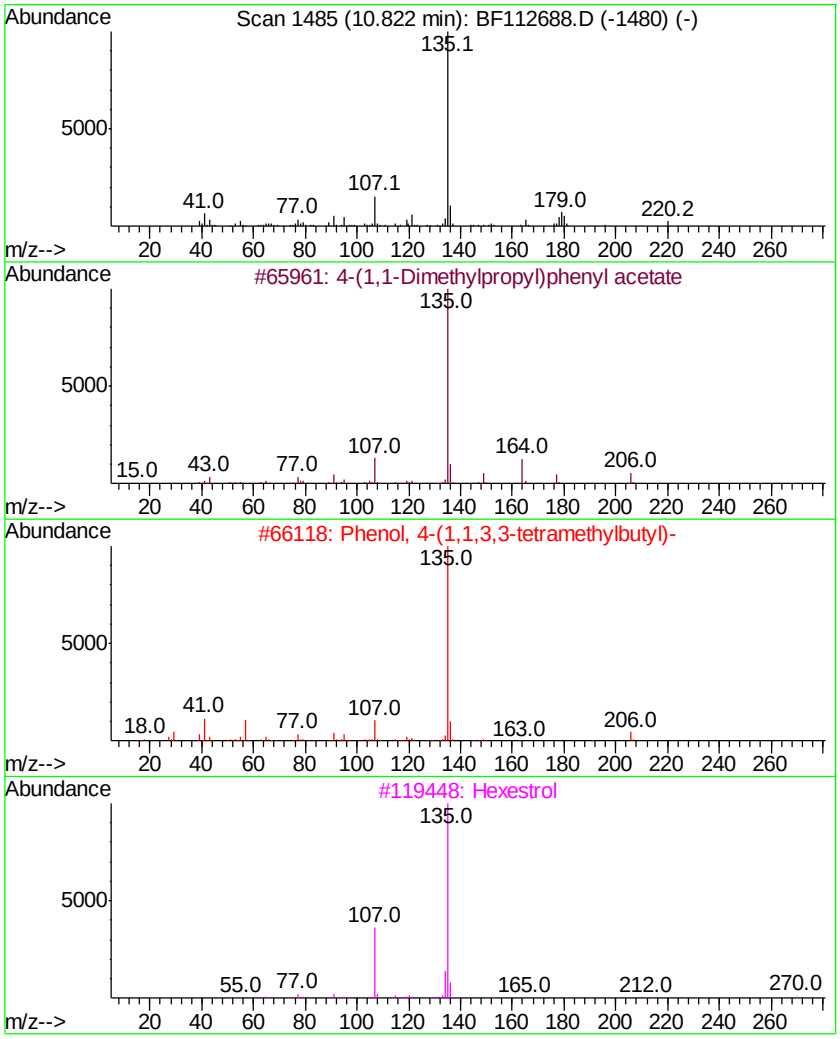
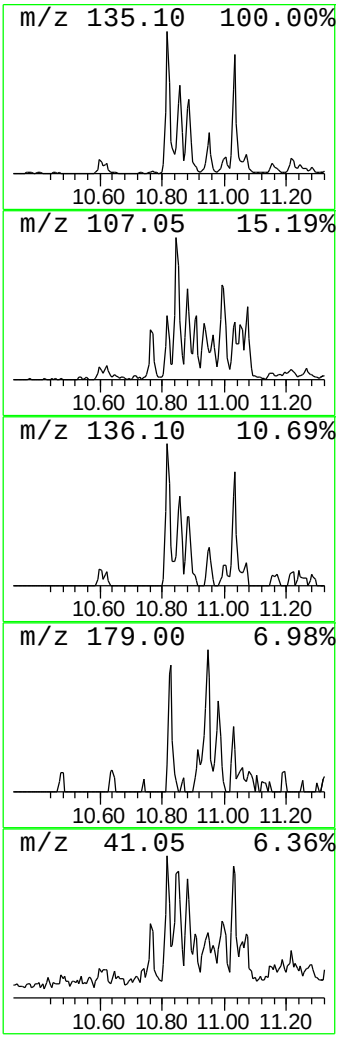
****

Peak Number 4 4-(1,1-Dimethylpropyl)pheny... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	7.79 ng	181124	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(1,1-Dimethylpropyl)phenyl ace...	206	C13H18O2	1000373-45-3	78
2	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	78
3	Hexestrol	270	C18H22O2	000084-16-2	64
4	4-Methoxybenzoic acid, 2,6-dimet...	422	C19H16F6O4	1000304-50-0	64
5	6-Methyl-1-propyl-1,2,3,4-tetrah...	178	C11H18N2	1000305-41-3	64





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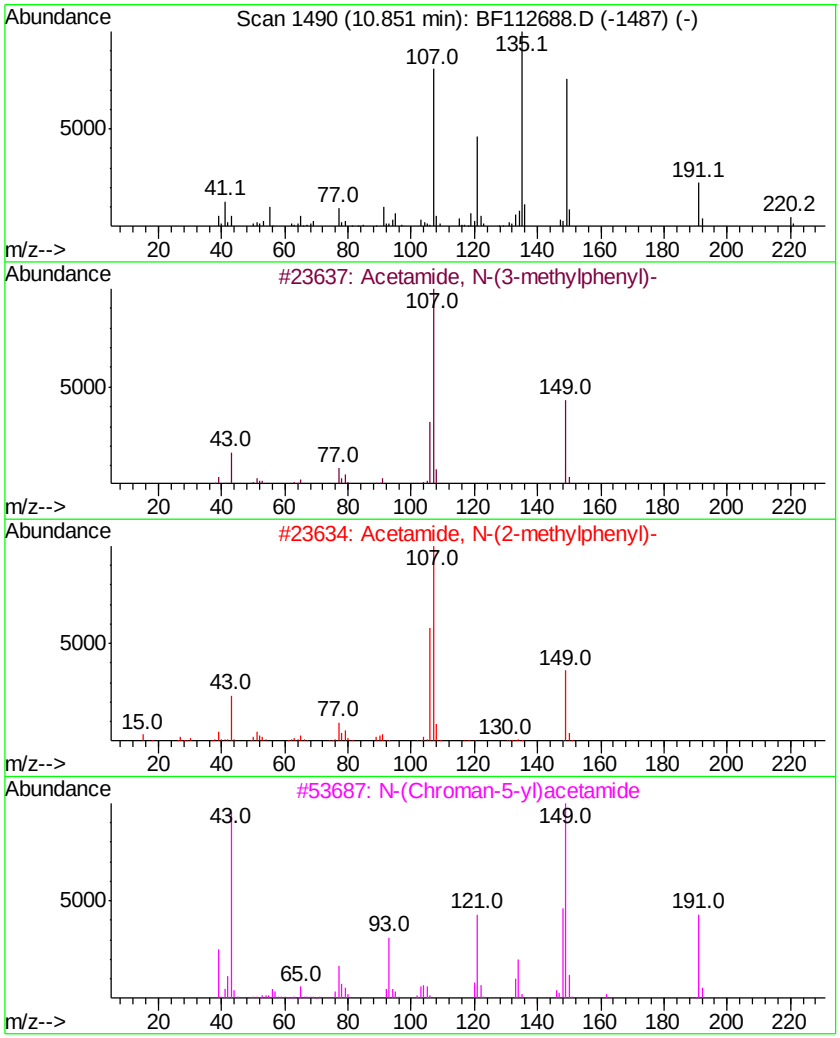
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

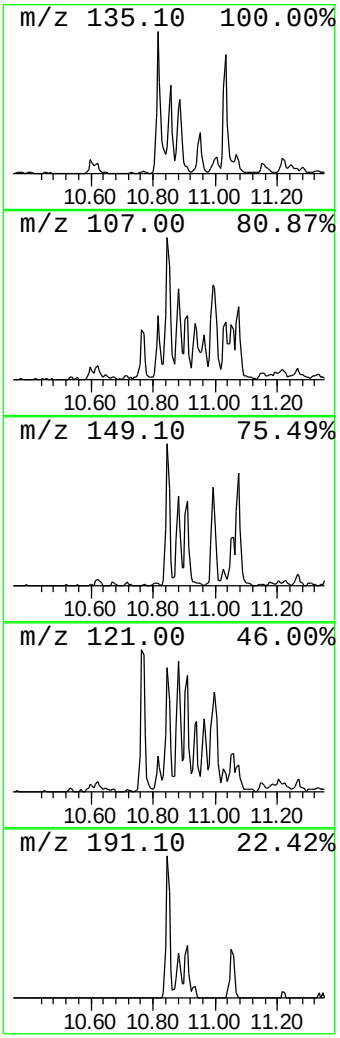
****

Peak Number 5 Acetamide, N-(3-methylphenyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	9.72 ng	226029	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	58
2	Acetamide, N-(2-methylphenyl)-	149	C9H11NO	000120-66-1	53
3	N-(Chroman-5-yl)acetamide	191	C11H13NO2	1000306-69-8	43
4	Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	38
5	Phenol, 4-(1,1-dimethylethyl)-2-...	164	C11H16O	000098-27-1	35





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Instrument : BNA_F
ClientSampleId : TP-CBF-B10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

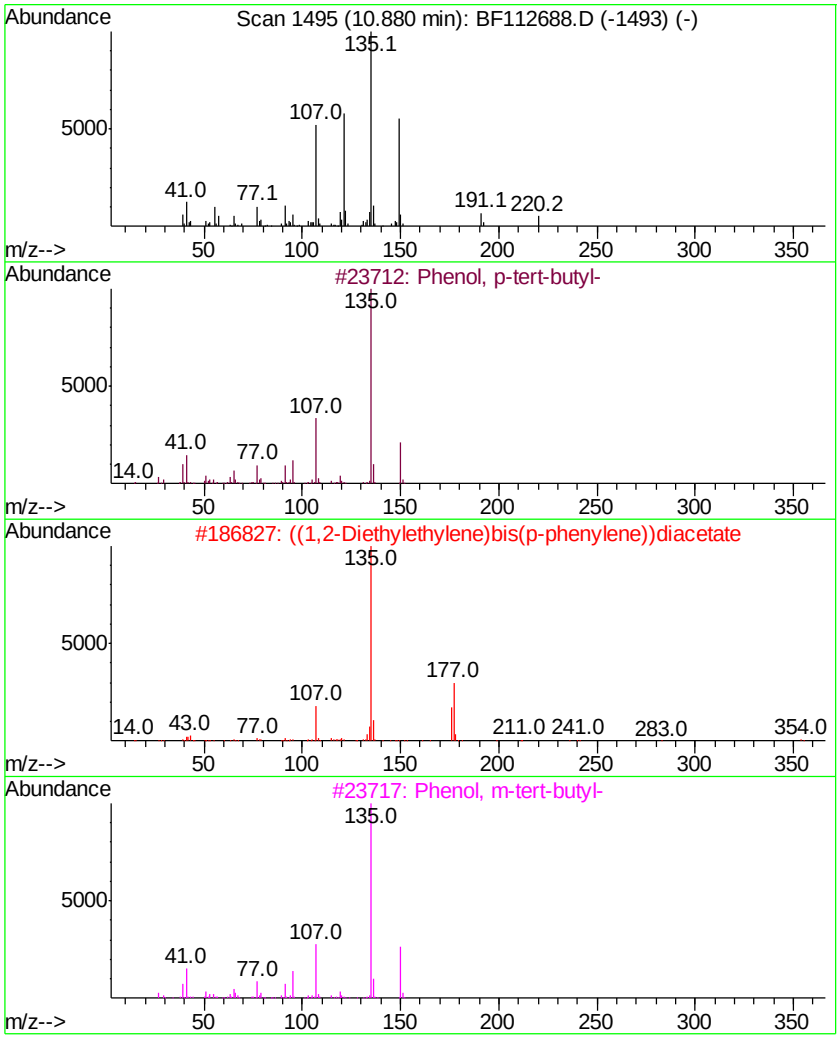
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

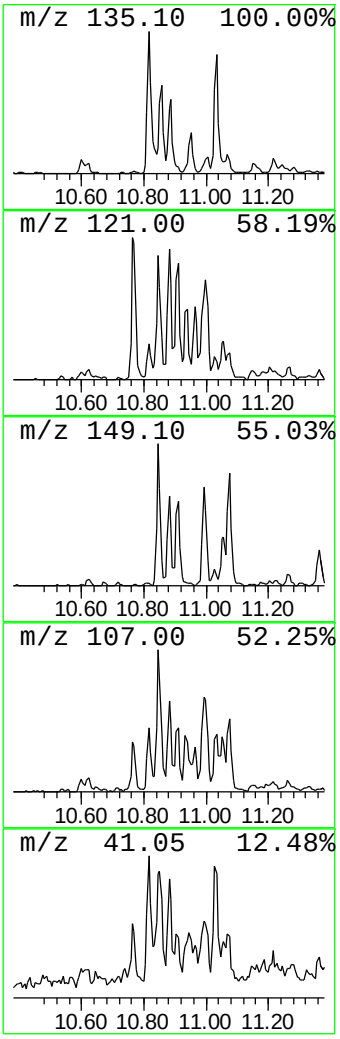
****

Peak Number 6 Phenol, p-tert-butyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	6.63 ng	154123	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	64
2	((1,2-Diethylethylene)bis(p-phen...	354	C22H26O4	004547-76-6	50
3	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	50
4	Hexestrol, O-acetyl-	312	C20H24O3	1000374-87-8	50
5	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	50





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Acq On : 25 Feb 2019 13:20
Operator : JU/SJ
Sample : K1595-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-CBF-B10

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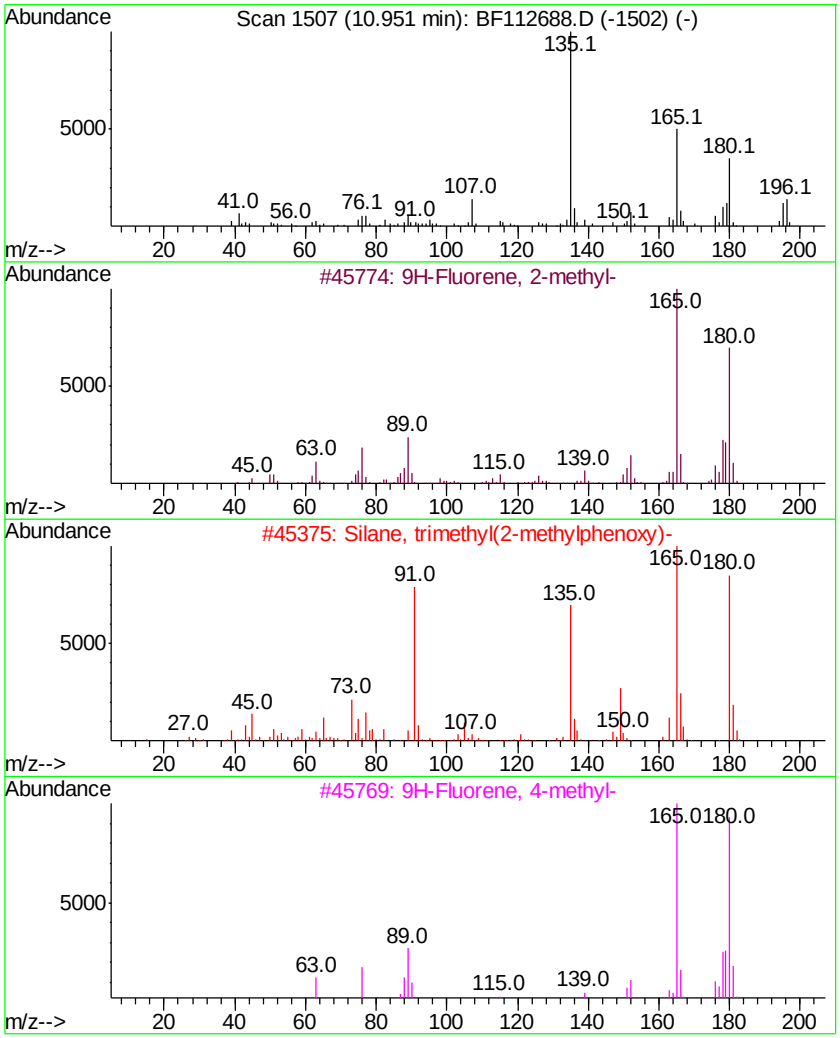
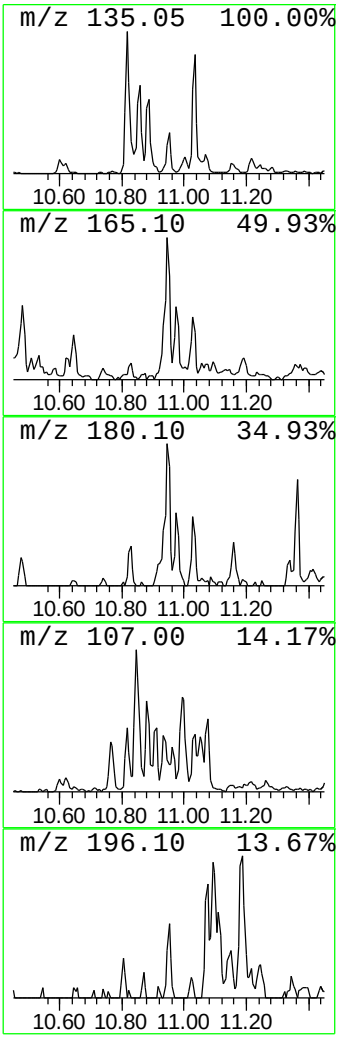
Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	7.42 ng	172631	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	50
2	Silane, trimethyl(2-methylphenoxy)-	180	C10H16OSi	001009-02-5	49
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	46
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	45
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	43





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : TP-CBF-B10

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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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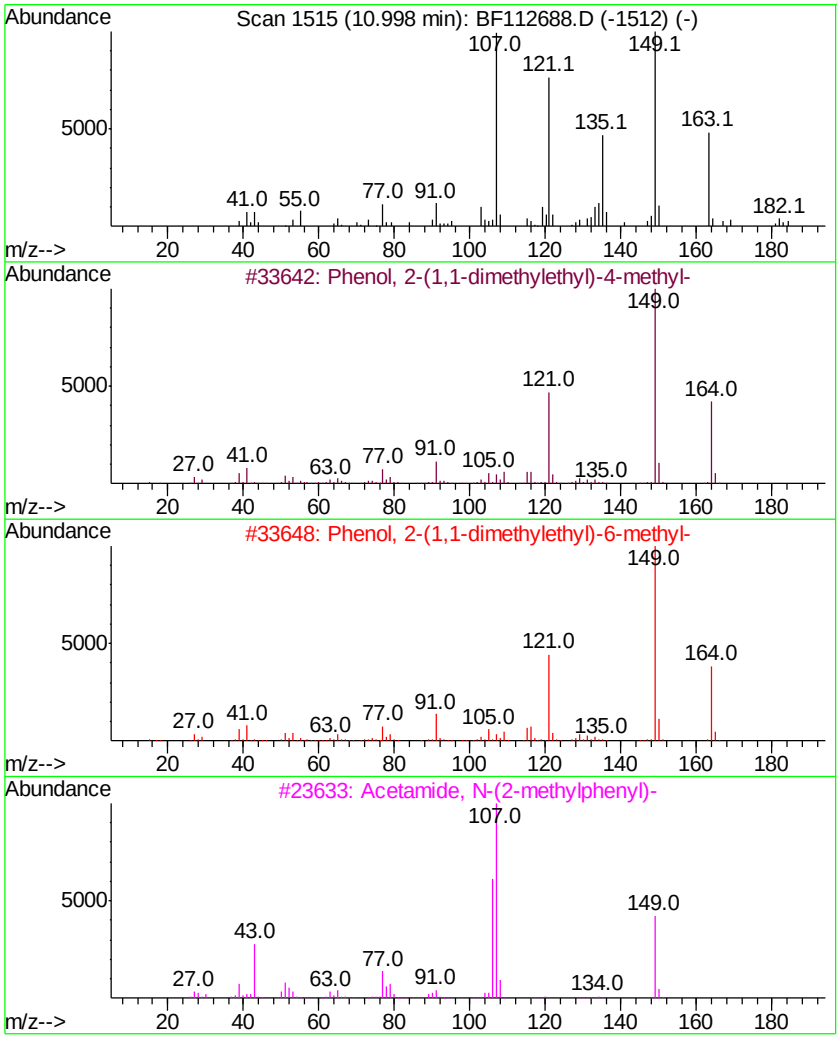
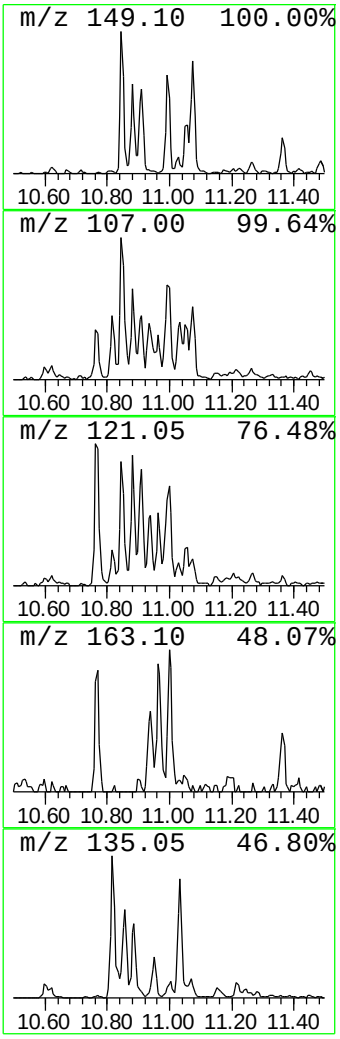
Peak Number 8 unknown11.00 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	5.54 ng	128805	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(1,1-dimethylethyl)-4-...	164	C11H16O	002409-55-4	38
2	Phenol, 2-(1,1-dimethylethyl)-6-...	164	C11H16O	002219-82-1	35
3	Acetamide, N-(2-methylphenyl)-	149	C9H11NO	000120-66-1	25
4	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	22
5	N,N,2,4-Tetramethylbenzenamine	149	C10H15N	000769-53-9	18





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ClientSampleId : TP-CBF-B10

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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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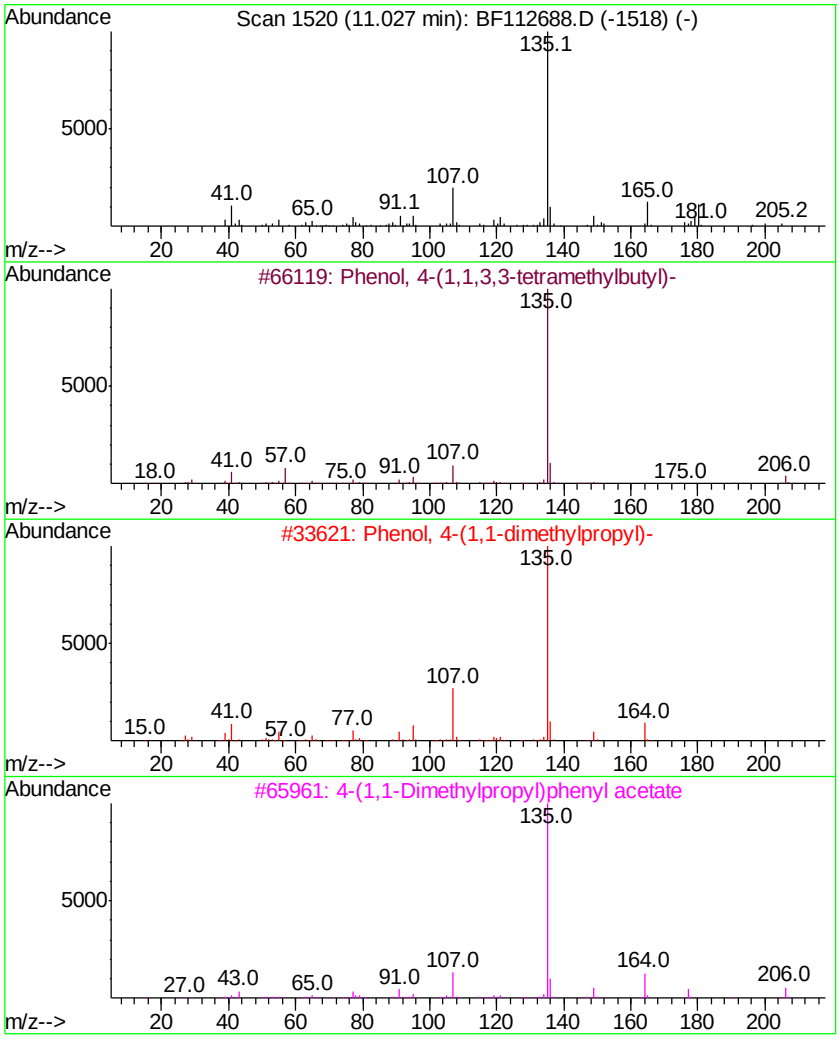
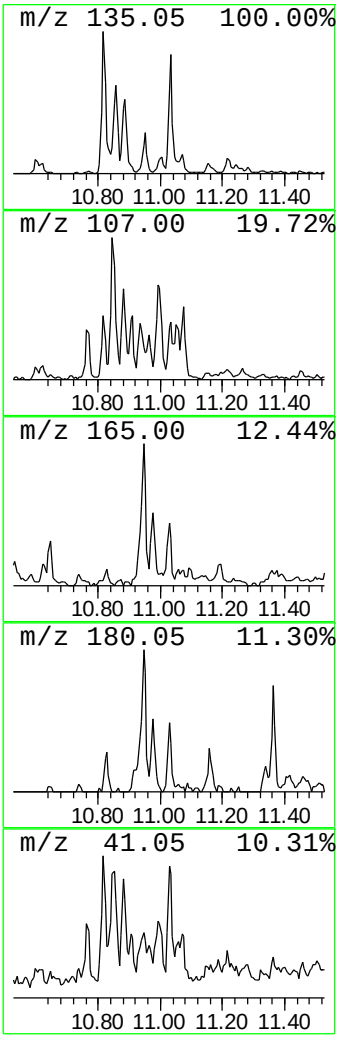
Peak Number 9 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	5.68 ng	132131	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	72
2	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	64
3	4-(1,1-Dimethylpropyl)phenyl ace...	206	C13H18O2	1000373-45-3	64
4	Hexestrol	270	C18H22O2	000084-16-2	59
5	4-Methoxy-3-methylphenylacetic acid	180	C10H12O3	004513-73-9	58





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ClientSampleId : TP-CBF-B10

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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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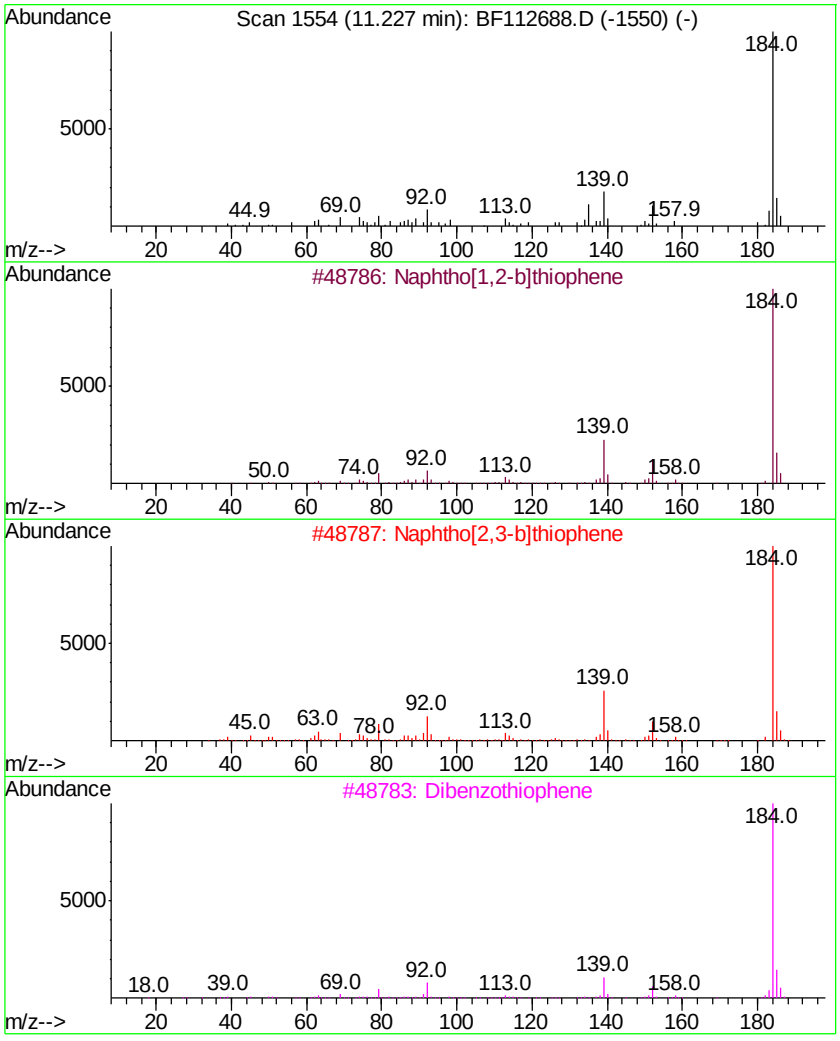
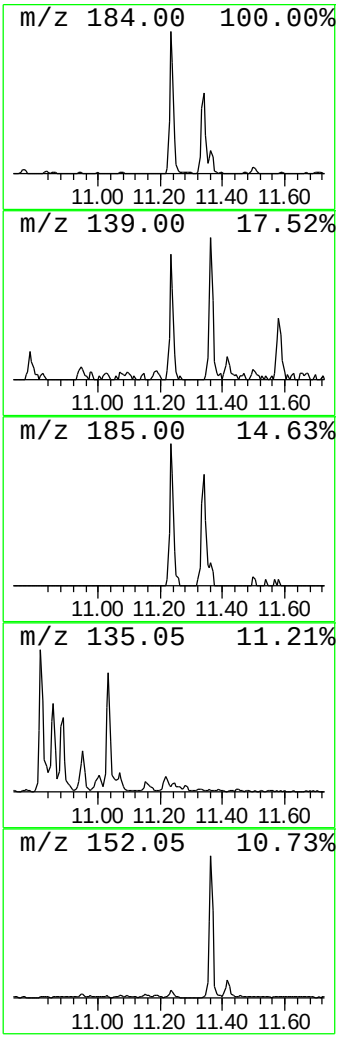
Peak Number 10 Naphtho[1,2-b]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	5.39 ng	125455	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	80





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ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId : TP-CBF-B10

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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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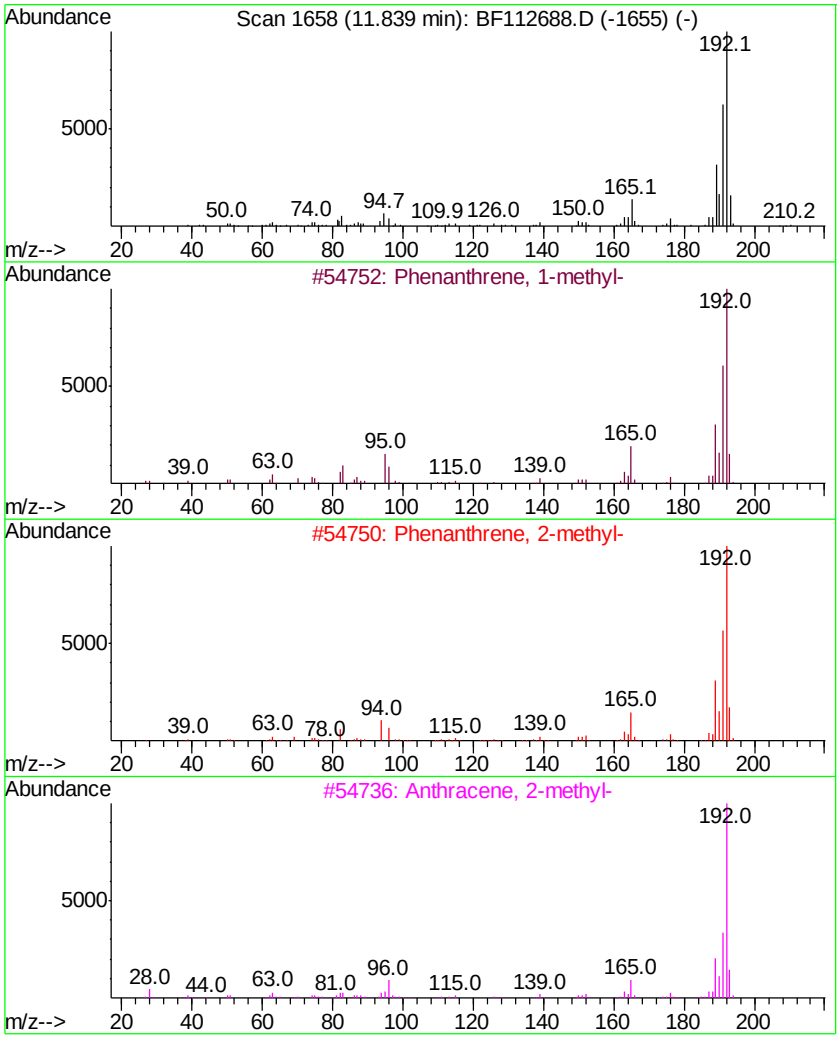
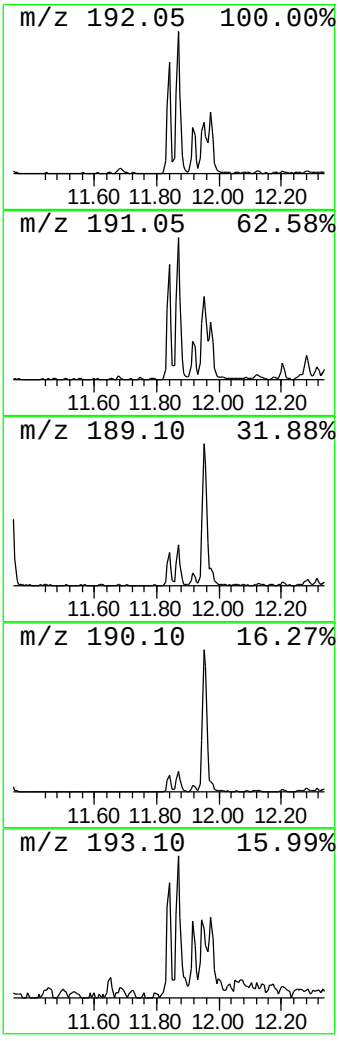
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	6.37 ng	148171	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Instrument : BNA_F
ClientSampleId : TP-CBF-B10

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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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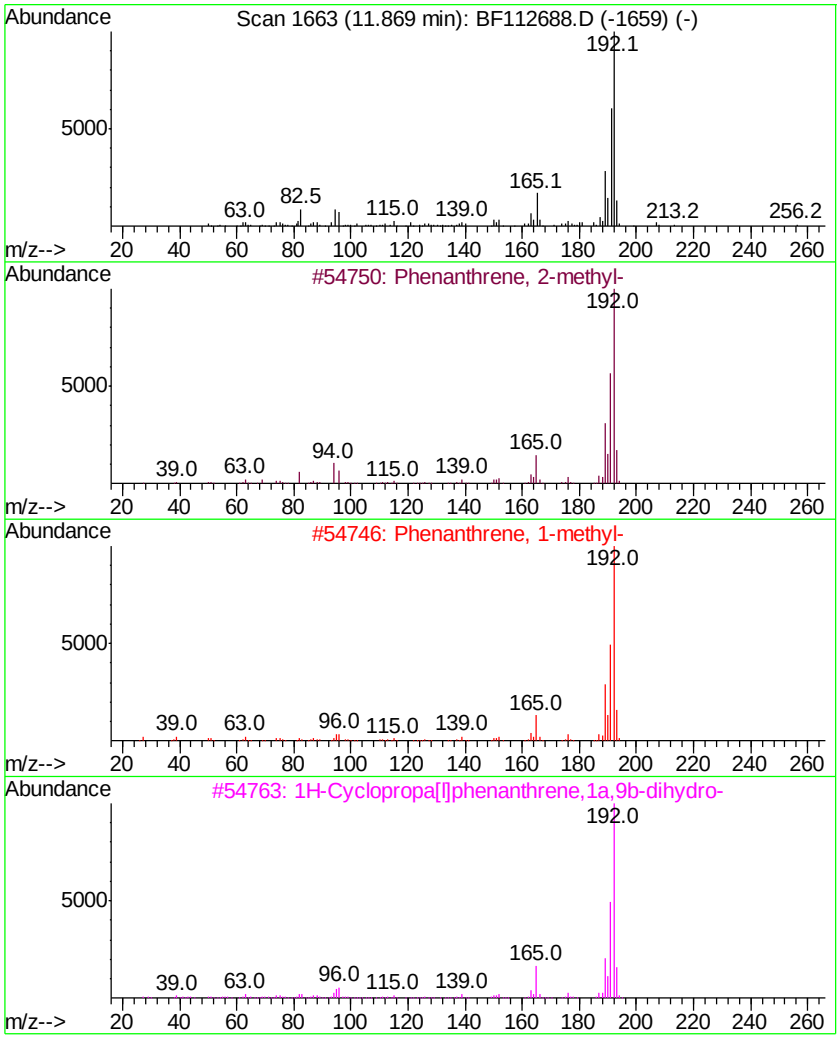
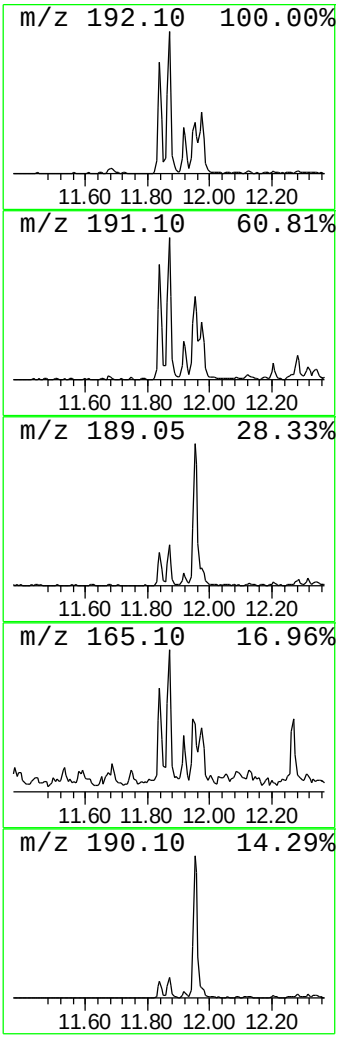
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	14.33 ng	333297	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93





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Operator : JU/SJ
Sample : K1595-01
Misc :
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Instrument : BNA_F
ClientSampleId : TP-CBF-B10

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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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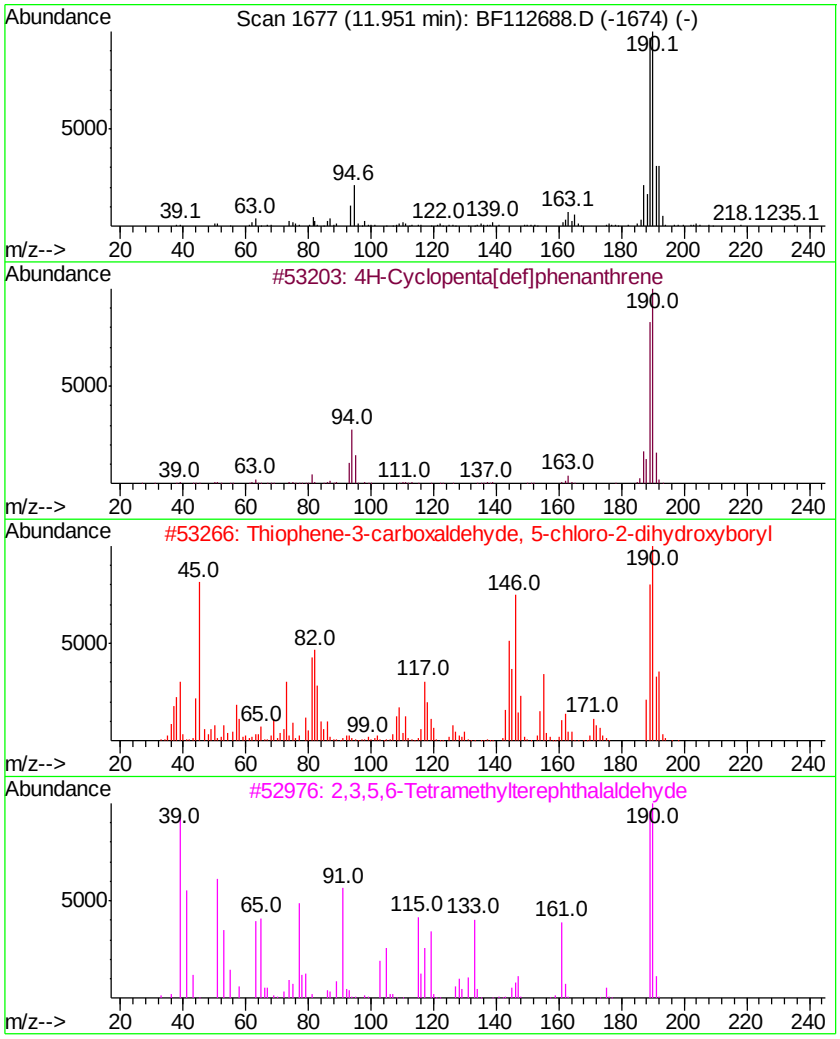
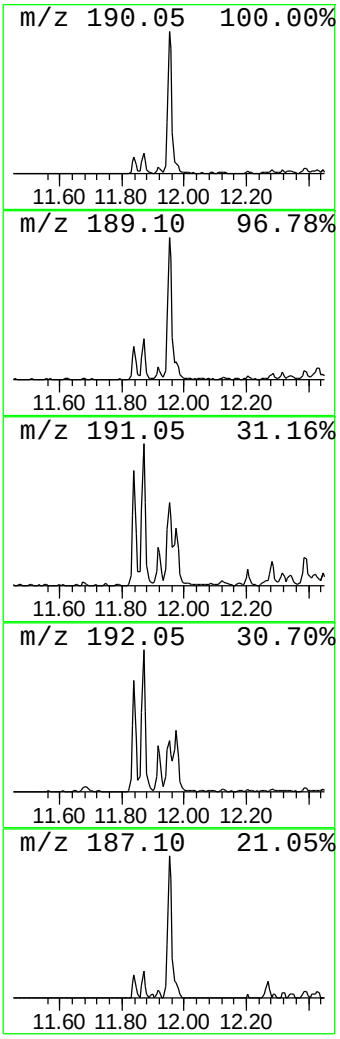
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	13.05 ng	303540	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-CBF-B10

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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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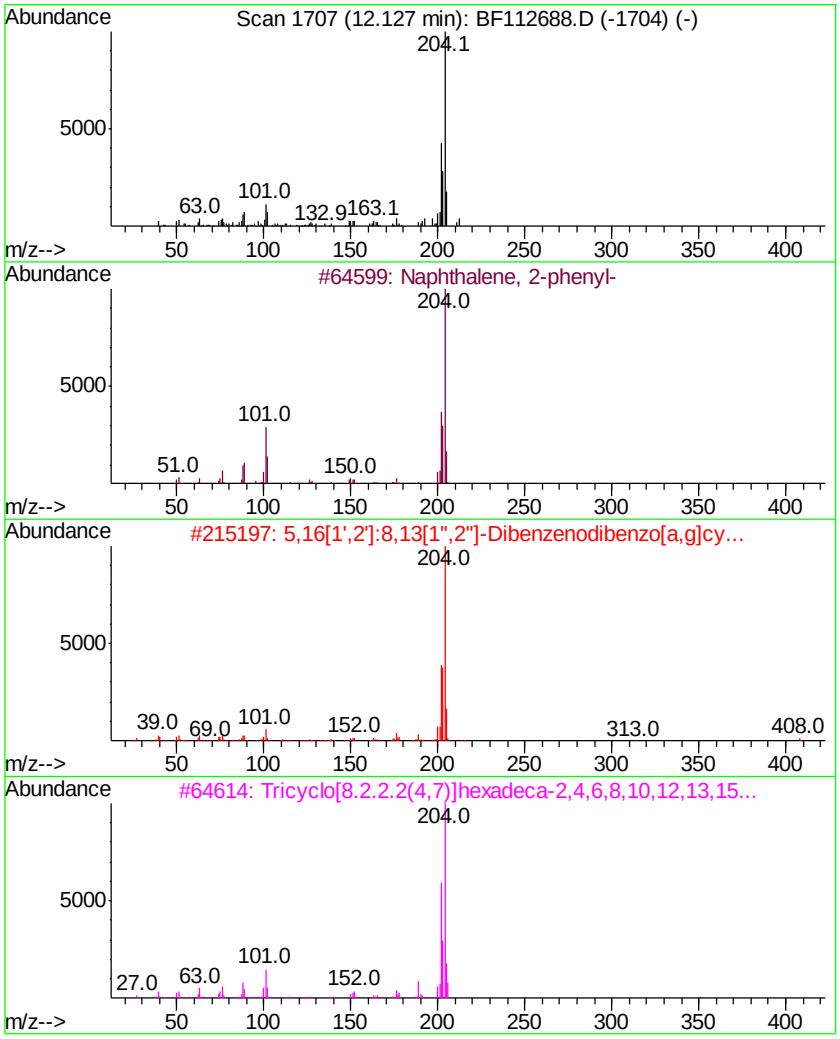
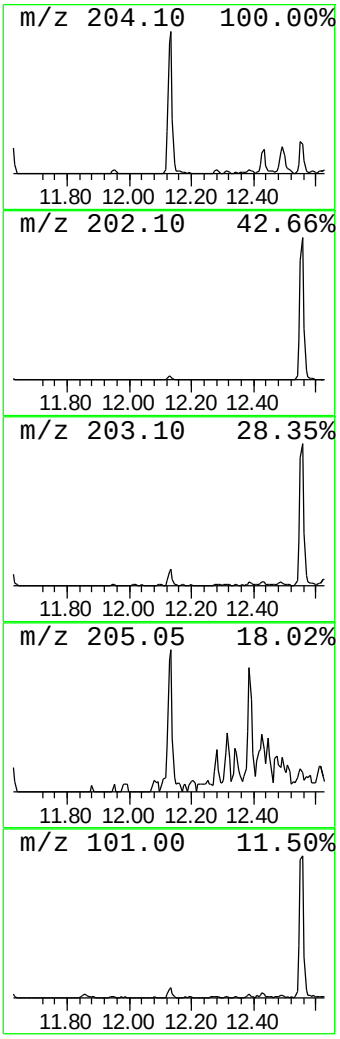
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	4.72 ng	109771	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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ClientSampleId : TP-CBF-B10

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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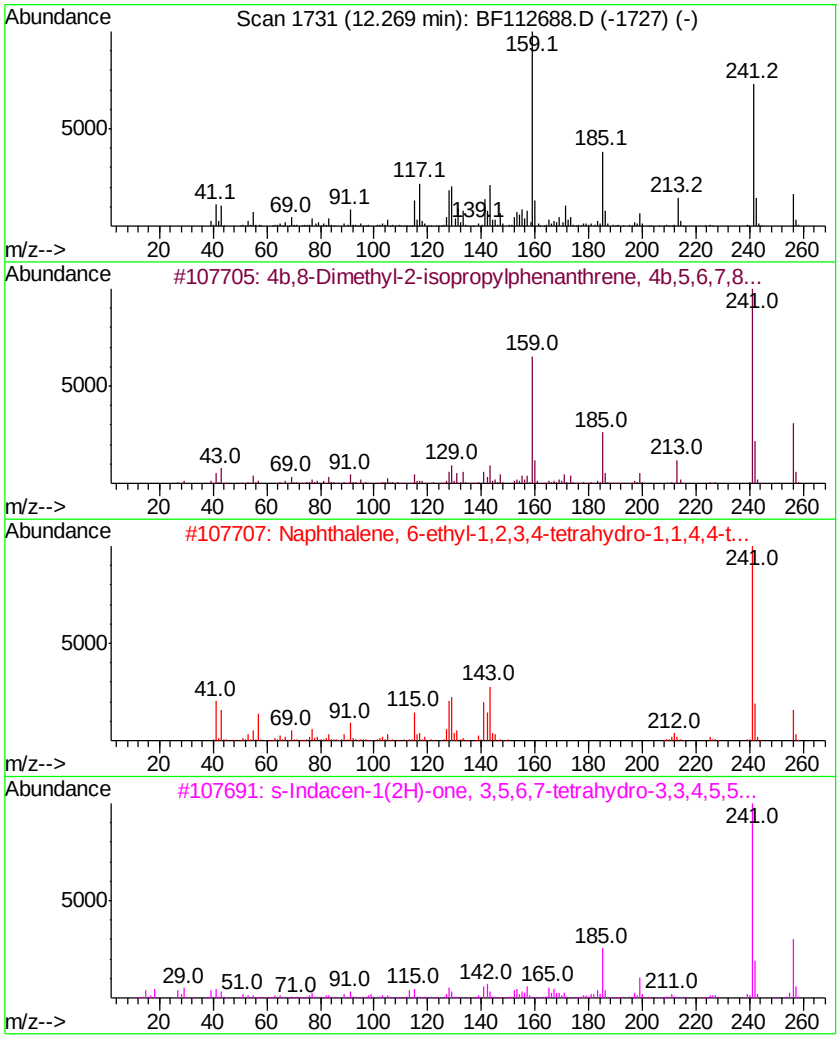
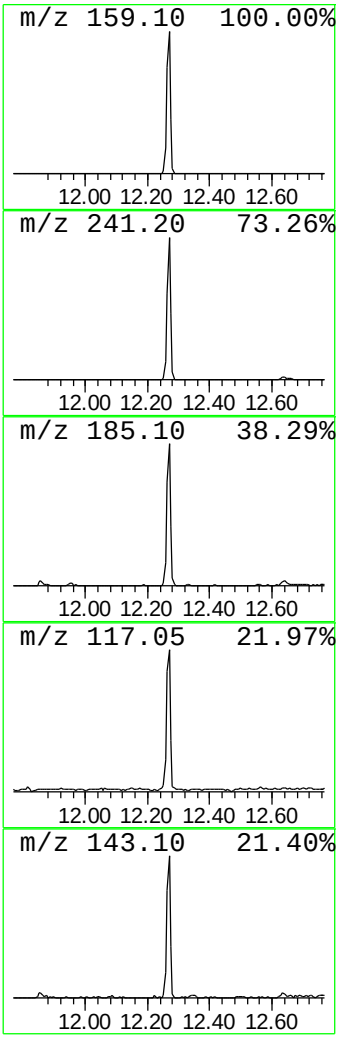
Peak Number 15 4b,8-Dimethyl-2-isopropylph... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	33.24 ng	773284	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	96
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	66
3	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	50
4	2,3,4-Trifluorobenzoic acid, hex...	256	C13H11F3O2	1000292-55-4	47
5	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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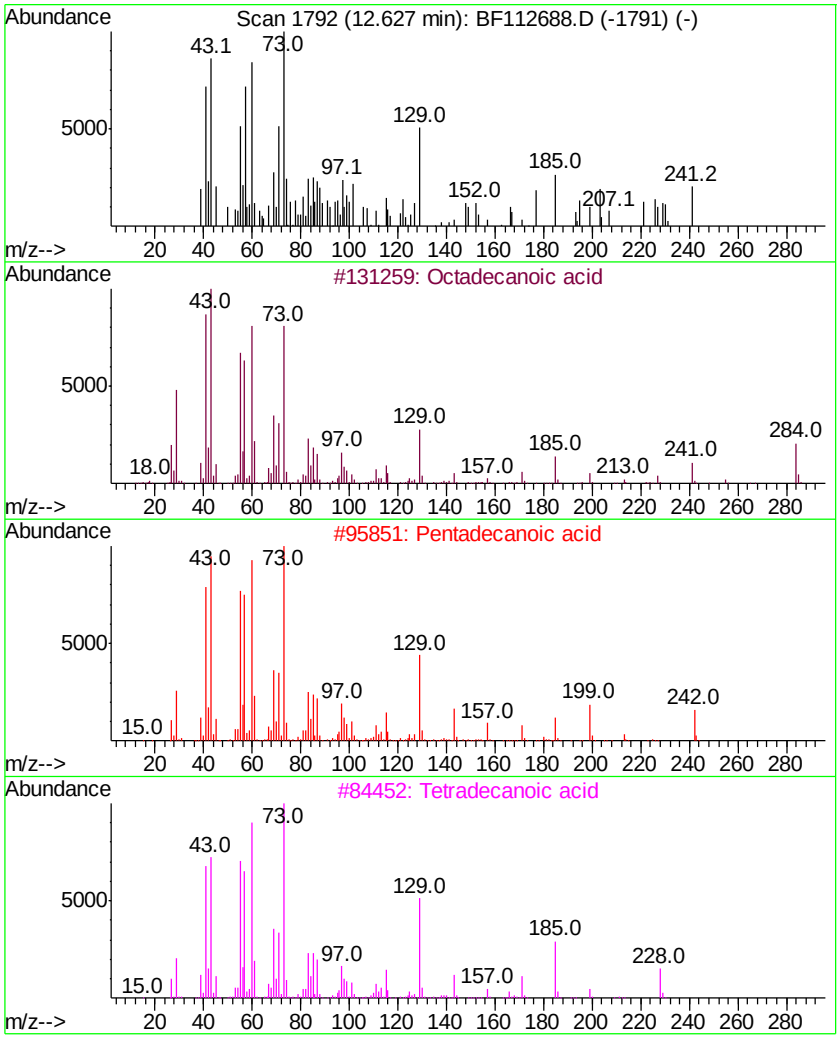
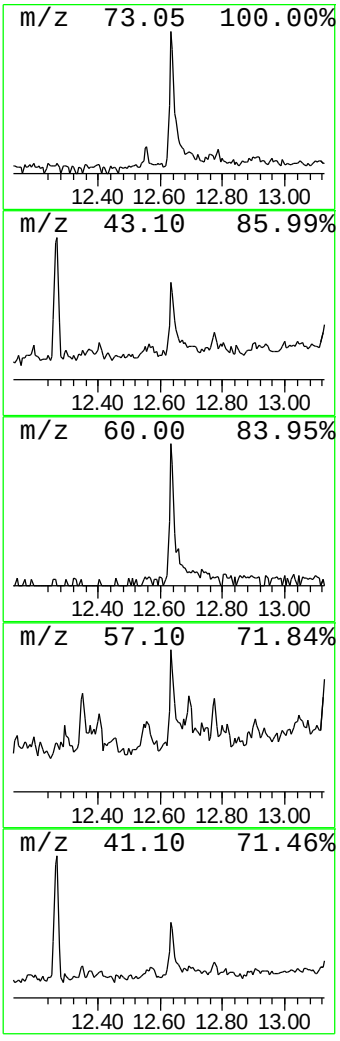
Peak Number 16 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	8.13 ng	189033	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83





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TIC Library : C:\DATABASE\NIST11.L
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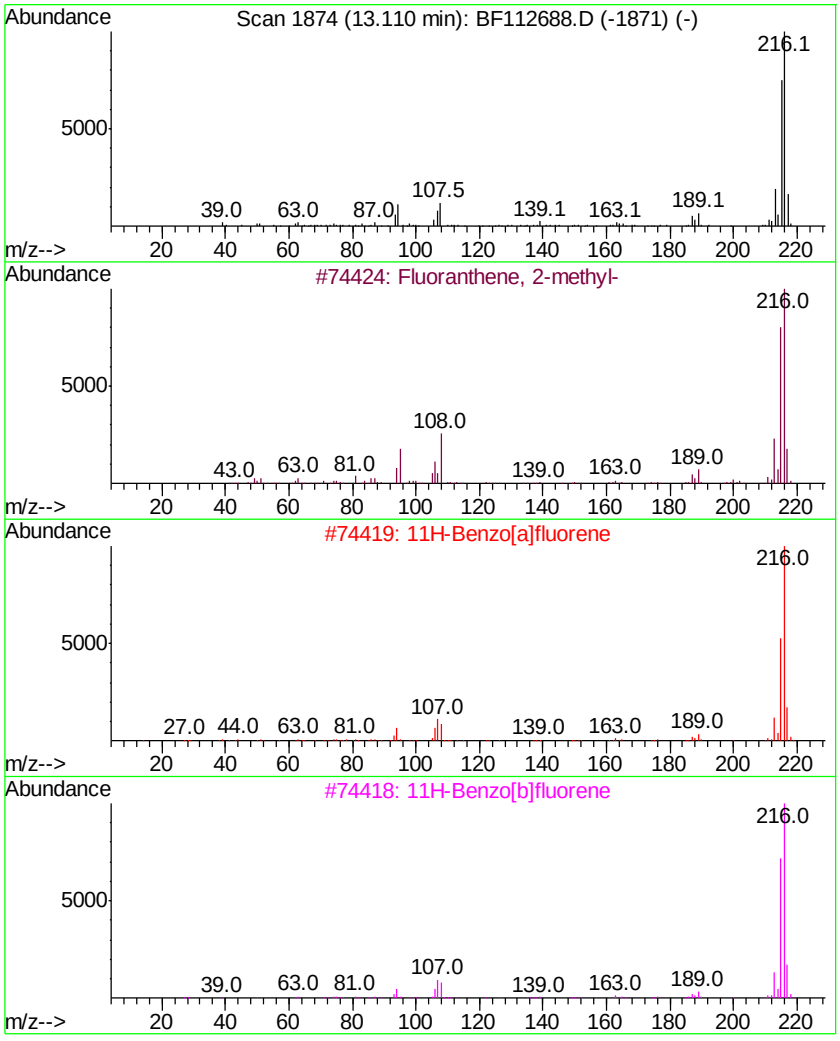
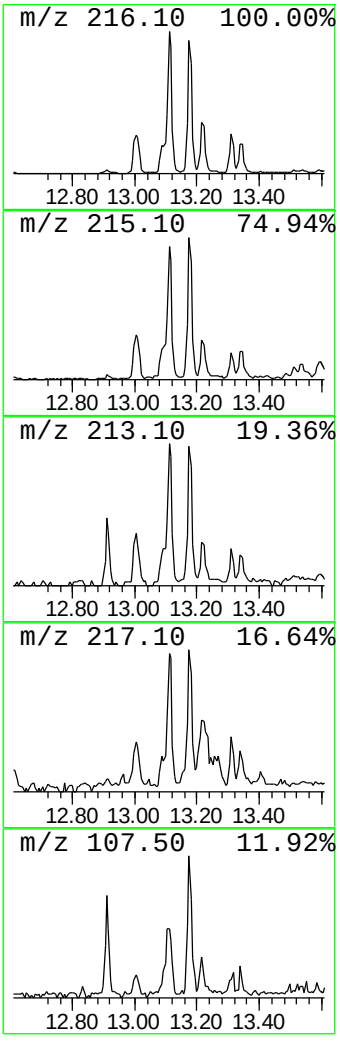
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	4.29 ng	207782	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Data File : BF112688.D
Acq On : 25 Feb 2019 13:20
Operator : JU/SJ
Sample : K1595-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-CBF-B10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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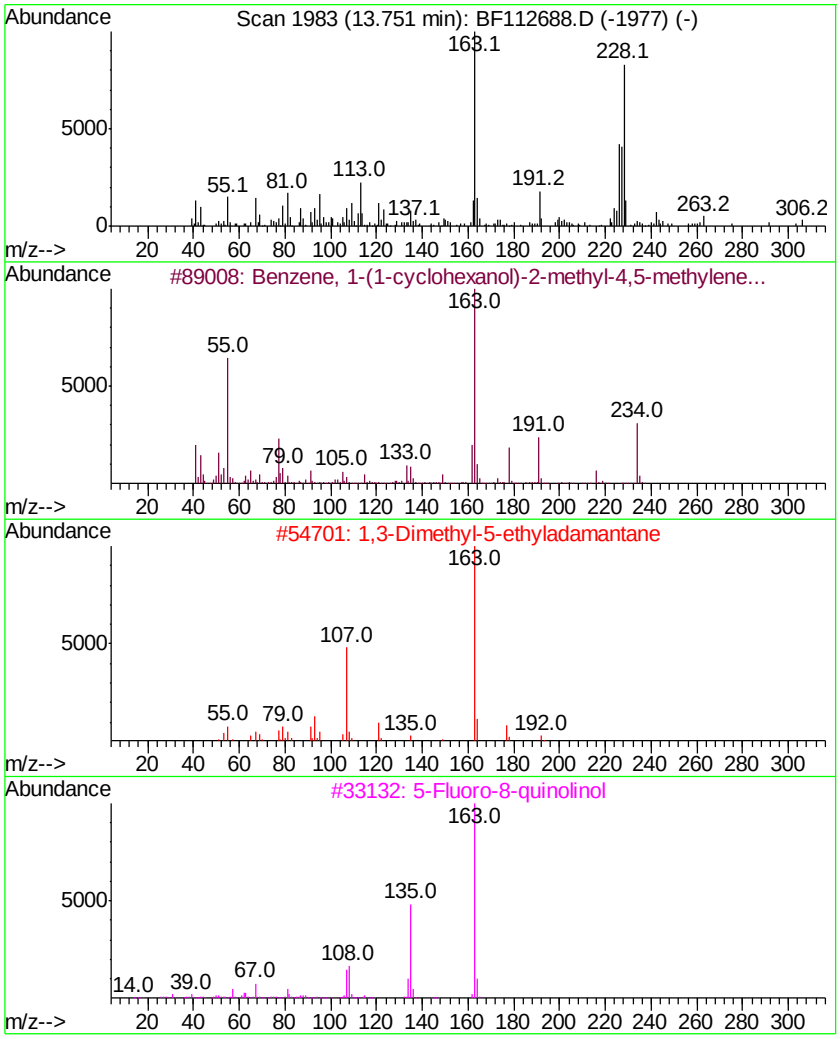
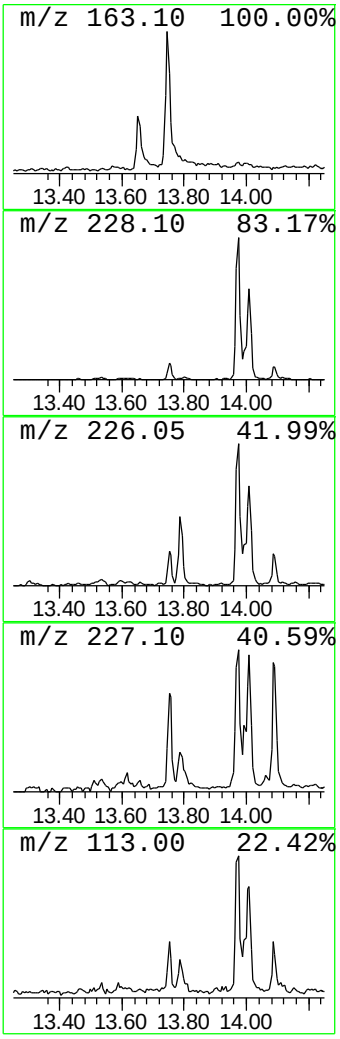
Peak Number 18 Benzene, 1-(1-cyclohexanol)... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	6.50 ng	314491	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-cyclohexanol)-2-me...	234	C14H18O3	1000111-67-4	53
2	1,3-Dimethyl-5-ethyladamantane	192	C14H24	001687-35-0	45
3	5-Fluoro-8-quinolinol	163	C9H6FNO	000387-97-3	43
4	Phosphine oxide, cyclohexyl meth...	300	C17H33O2P	1000195-73-8	43
5	Tricyclo[3.3.1.1(3,7)]decane-2,6...	242	C10H11BrO2	019305-94-3	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
Data File : BF112688.D
Acq On : 25 Feb 2019 13:20
Operator : JU/SJ
Sample : K1595-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-CBF-B10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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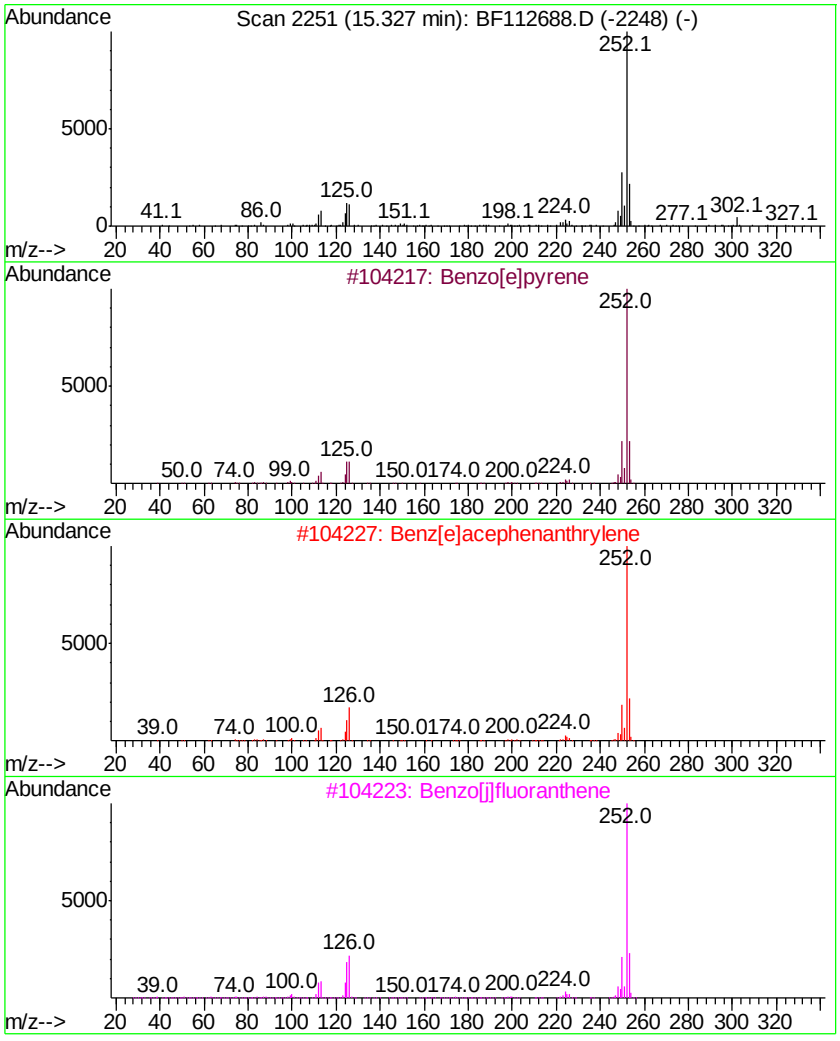
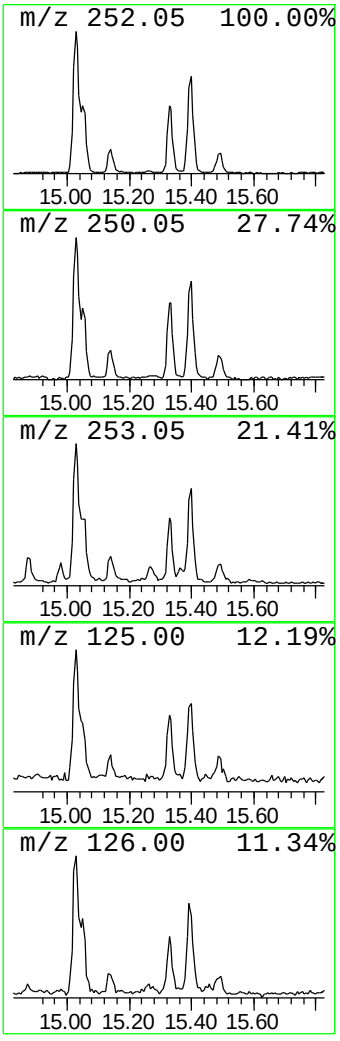
Peak Number 19 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	7.01 ng	153922	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
Data File : BF112688.D
Acq On : 25 Feb 2019 13:20
Operator : JU/SJ
Sample : K1595-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-CBF-B10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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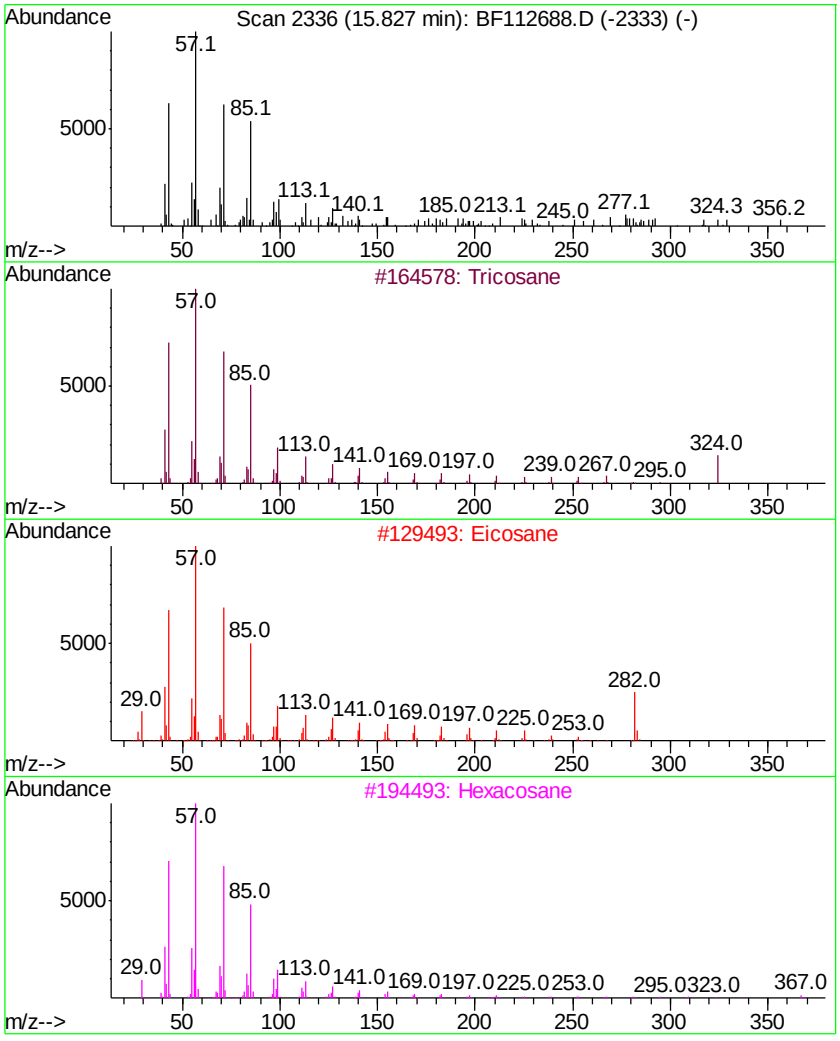
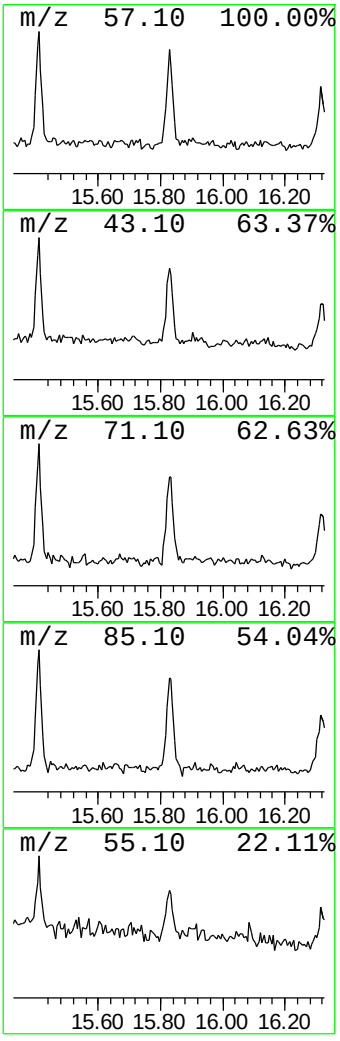
Peak Number 20 Tricosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	6.54 ng	143623	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	64
2	Eicosane	282	C20H42	000112-95-8	58
3	Hexacosane	366	C26H54	000630-01-3	58
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	52
5	Tetratetracontane	619	C44H90	007098-22-8	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022519\
Data File : BF112688.D
Acq On : 25 Feb 2019 13:20
Operator : JU/SJ
Sample : K1595-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-CBF-B10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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
unknown6.60	6.60	79.6	ng	1645740	1	6.82	413699	20.0
Benzenemethanethi...	7.67	4.2	ng	106342	2	8.09	504252	20.0
4-(1,1-Dimethylpr...	10.82	7.8	ng	181124	4	11.34	465230	20.0
Acetamide, N-(3-m...	10.85	9.7	ng	226029	4	11.34	465230	20.0
Phenol, p-tert-bu...	10.88	6.6	ng	154123	4	11.34	465230	20.0
9H-Fluorene, 2-me...	10.95	7.4	ng	172631	4	11.34	465230	20.0
unknown11.00	11.00	5.5	ng	128805	4	11.34	465230	20.0
Phenol, 4-(1,1,3,...	11.03	5.7	ng	132131	4	11.34	465230	20.0
Naphtho[1,2-b]thi...	11.23	5.4	ng	125455	4	11.34	465230	20.0
Phenanthrene, 1-m...	11.84	6.4	ng	148171	4	11.34	465230	20.0
Phenanthrene, 2-m...	11.87	14.3	ng	333297	4	11.34	465230	20.0
4H-Cyclopenta[def...	11.95	13.1	ng	303540	4	11.34	465230	20.0
Naphthalene, 2-ph...	12.13	4.7	ng	109771	4	11.34	465230	20.0
4b,8-Dimethyl-2-i...	12.27	33.2	ng	773284	4	11.34	465230	20.0
Octadecanoic acid	12.63	8.1	ng	189033	4	11.34	465230	20.0
Fluoranthene, 2-m...	13.11	4.3	ng	207782	5	13.98	968198	20.0
Benzene, 1-(1-cyc...	13.75	6.5	ng	314491	5	13.98	968198	20.0
Benzo[e]pyrene	15.33	7.0	ng	153922	6	15.46	439281	20.0
Tricosane	15.83	6.5	ng	143623	6	15.46	439281	20.0