LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110110.D
Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

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-BF102318.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	2.263	25	30	36	rVB	183177	223471	12.35%	0.680%
2	5.187	524	527	533	rBV	73490	81663	4.51%	0.248%
3	5.581	587	594	604	rBV	1702980	1559171	86.19%	4.741%
4	5.816	631	634	639	rBV	33826	34129	1.89%	0.104%
5	6.245	704	707	710	rBV	61523	48888	2.70%	0.149%
6	6.581	760	764	772	rBV	1769825	1632337	90.23%	4.964%
7	6.734	786	790	793	rVB	1784947	1558123	86.13%	4.738%
8	6.963	826	829	834	rBV	1187461	1021040	56.44%	3.105%
9	7.034	839	841	846	rVB	43556	39466	2.18%	0.120%
10	7.122	852	856	859	rBV	1538541	1216081	67.22%	3.698%
11	7.522	920	924	928	rBV	1029576	929663	51.39%	2.827%
12	7.557	928	930	933	rVB	33970	29483	1.63%	0.090%
13	7.592	933	936	942	rVB4	18085	26932	1.49%	0.082%
14	7.934	991	994	1000	rVB2	31184	30239	1.67%	0.092%
15	7.992	1000	1004	1008	rBV3	42158	36631	2.02%	0.111%
16	8.163	1027	1033	1034	rBV5	21529	29738	1.64%	0.090%
17	8.192	1034	1038	1040	rBV	36832	41448	2.29%	0.126%
18	8.251	1044	1048	1050	rBV	1216063	1136212	62.81%	3.455%
19	8.557	1097	1100	1103	rBV5	20989	24748	1.37%	0.075%
20	8.651	1110	1116	1119	rBV4	26983	36619	2.02%	0.111%
21	8.828	1141	1146	1150	rVB	29341	35112	1.94%	0.107%
22	8.963	1166	1169	1172	rBV	29436	25201	1.39%	0.077%
23	9.151	1198	1201	1205	rVB2	63569	59749	3.30%	0.182%
24	9.322	1226	1230	1233	rBV	2059154	1586257	87.68%	4.824%
25	9.392	1239	1242	1245	rBV2	54869	51325	2.84%	0.156%
26	9.445	1249	1251	1253	rVB	37881	27730	1.53%	0.084%
27	9.569	1270	1272	1275	rBV3	37135	42740	2.36%	0.130%
28	9.710	1293	1296	1300	rBV	255346	224486	12.41%	0.683%
29	9.869	1319	1323	1326	rBV	157995	135728	7.50%	0.413%
30	9.922	1328	1332	1336	rVB2	71013	75922	4.20%	0.231%
31	10.010	1343	1347	1350	rVV	1254470	1066152	58.93%	3.242%
32	10.039	1350	1352	1355	rVB	44862	32935	1.82%	0.100%
33	10.104	1360	1363	1368	rVB4	15929	27473	1.52%	0.084%
34	10.157	1368	1372	1375	rBV5	13598	25297	1.40%	0.077%

LSC Area Percent Report

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Data File : BF110110.D
Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.210	1378	1381	1385	rVB2	46686	49381	2.73%	0.150%
36	10.245	1385	1387	1392	rVB3	29723	26690	1.48%	0.081%
37	10.322	1396	1400	1403	rBV	71001	103758	5.74%	0.316%
38	10.422	1414	1417	1420	rVB2	75147	82879	4.58%	0.252%
39	10.557	1437	1440	1446	rVB	72799	70007	3.87%	0.213%
40	10.645	1452	1455	1457	rVB	51909	46844	2.59%	0.142%
41	10.798	1477	1481	1490	rBV	882879	784928	43.39%	2.387%
42	10.910	1495	1500	1508	rVB	134631	227344	12.57%	0.691%
43	11.098	1529	1532	1535	rBV5	21617	36712	2.03%	0.112%
44	11.304	1564	1567	1572	rBV	40513	44138	2.44%	0.134%
45	11.345	1572	1574	1577	rVV	79934	70586	3.90%	0.215%
46	11.375	1577	1579	1582	rVV	88865	97967	5.42%	0.298%
47	11.398	1582	1583	1586	rVB	46094	25263	1.40%	0.077%
48	11.498	1597	1600	1603	rBV	1020229	997548	55.14%	3.033%
49	11.522	1603	1604	1608	rVB	497738	375435	20.75%	1.142%
50	11.575	1610	1613	1616	rVV	143198	113772	6.29%	0.346%
51	11.727	1636	1639	1642	rBV	96758	82497	4.56%	0.251%
52	11.763	1642	1645	1646	rBV	69497	68553	3.79%	0.208%
53	11.869	1660	1663	1666	rVB	588787	526704	29.11%	1.602%
54	12.022	1683	1689	1693	rBV3	326750	528454	29.21%	1.607%
55	12.116	1702	1705	1707	rBV2	116675	127415	7.04%	0.387%
56	12.186	1714	1717	1719	rBV	59525	54847	3.03%	0.167%
57	12.298	1733	1736	1738	rBV	52246	45204	2.50%	0.137%
58	12.339	1738	1743	1749	rBV	1197329	1088985	60.20%	3.311%
59	12.410	1752	1755	1758	rBV	562523	457330	25.28%	1.391%
60	12.445	1758	1761	1763	rVB2	124016	102216	5.65%	0.311%
61	12.492	1766	1769	1773	rVB	565207	481744	26.63%	1.465%
62	12.551	1773	1779	1781	rBV2	727161	751350	41.53%	2.285%
63	12.575	1781	1783	1788	rVB3	128947	132729	7.34%	0.404%
64	12.645	1793	1795	1797	rBV	55436	48281	2.67%	0.147%
65	12.680	1797	1801	1804	rVV	2234595	1809075	100.00%	5.501%
66	12.722	1805	1808	1811	rBV	863954	779330	43.08%	2.370%
67	12.751	1811	1813	1816	rVB	411724	343898	19.01%	1.046%
68	12.857	1827	1831	1834	rBV	1543705	1259964	69.65%	3.831%
69	12.951	1841	1847	1852	rBV	910520	947981	52.40%	2.883%
70	13.080	1866	1869	1873	rVB	1219087	1078964	59.64%	3.281%
71	13.639	1962	1964	1967	rVB	103734	88276	4.88%	0.268%

LSC Area Percent Report

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Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.780	1986	1988	1991	rBV	121350	144078	7.96%	0.438%
73	13.974	2018	2021	2022	rBV2	155370	133924	7.40%	0.407%
74	14.110	2041	2044	2046	rBV	534193	426917	23.60%	1.298%
75	14.145	2046	2050	2053	rVV2	1103418	1385895	76.61%	4.214%
76	14.174	2053	2055	2060	rVB	370233	313553	17.33%	0.953%
77	14.286	2072	2074	2077	rVB2	157932	152392	8.42%	0.463%
78	14.686	2139	2142	2143	rBV	403886	404985	22.39%	1.232%
79	14.710	2143	2146	2148	rVV	333992	407358	22.52%	1.239%
80	14.816	2162	2164	2167	rBV	233405	167976	9.29%	0.511%
81	14.868	2171	2173	2175	rBV	224184	200952	11.11%	0.611%
82	15.221	2230	2233	2236	rBV	267112	305042	16.86%	0.928%
83	15.610	2296	2299	2306	rVB	256759	333499	18.43%	1.014%
84	15.680	2306	2311	2314	rBV2	711038	978791	54.10%	2.976%
85	16.139	2386	2389	2394	rVB	293783	420612	23.25%	1.279%

Sum of corrected areas: 32885212

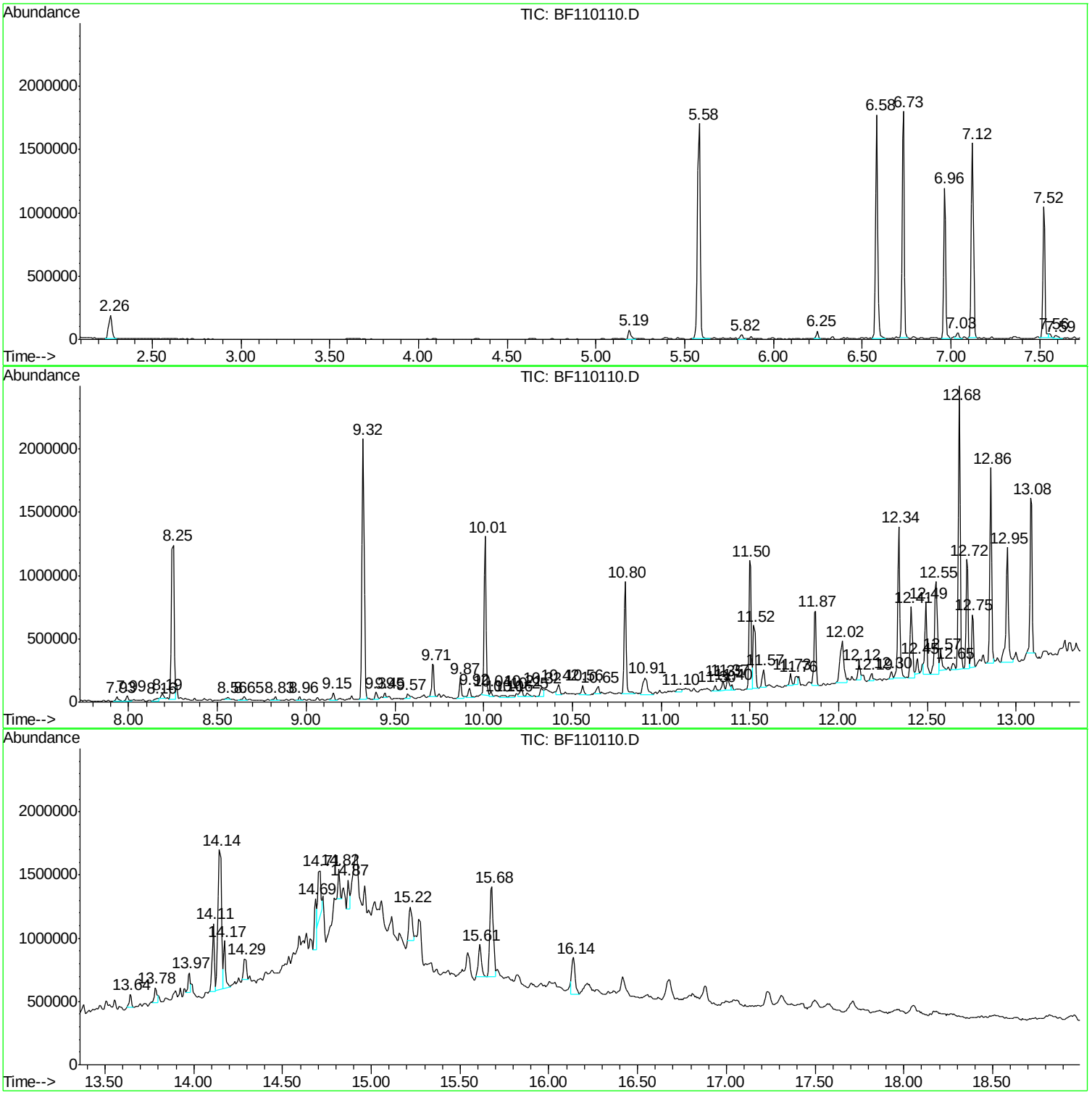
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110110.D
Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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\BF102418\
Data File : BF110110.D
Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

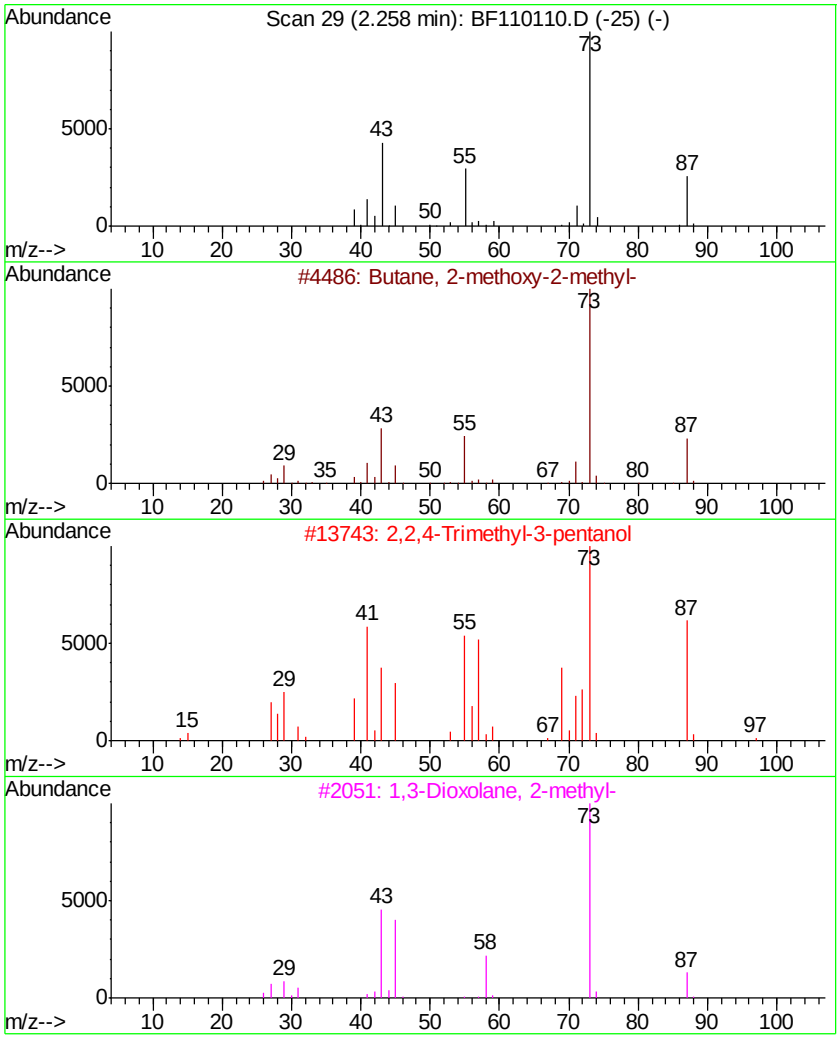
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

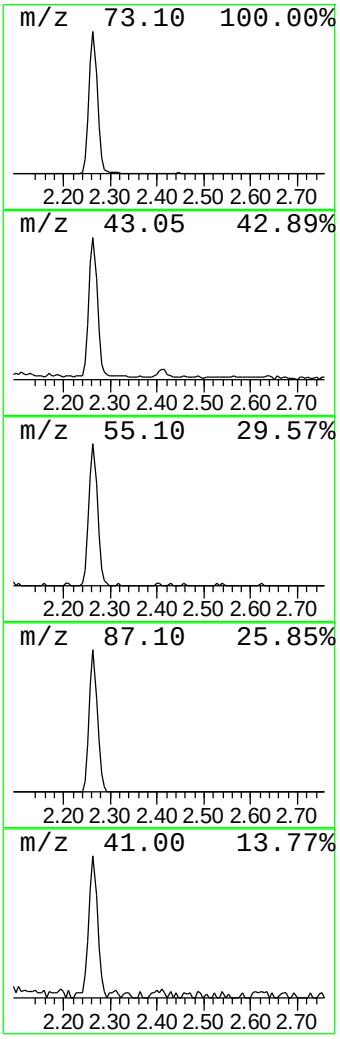
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.26	4.38 ng	223471	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Boronic acid, ethyl-, dimethyl e...	102	C4H11BO2	007318-82-3	12
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110110.D
Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

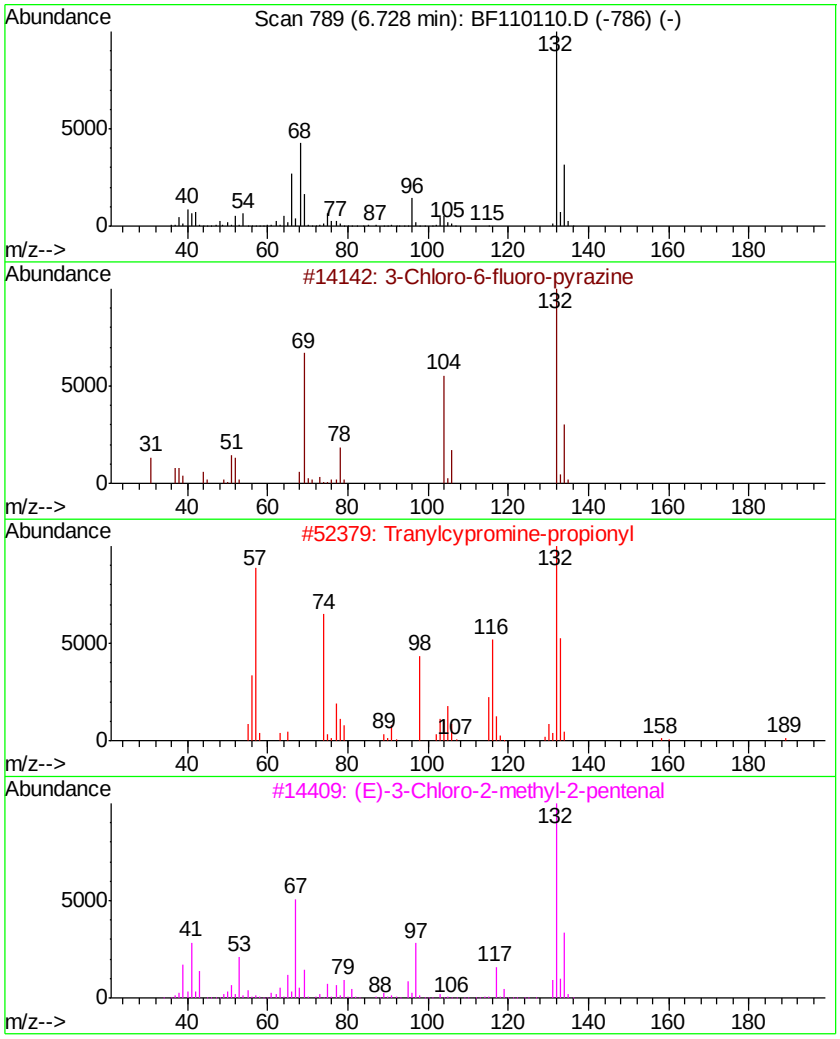
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

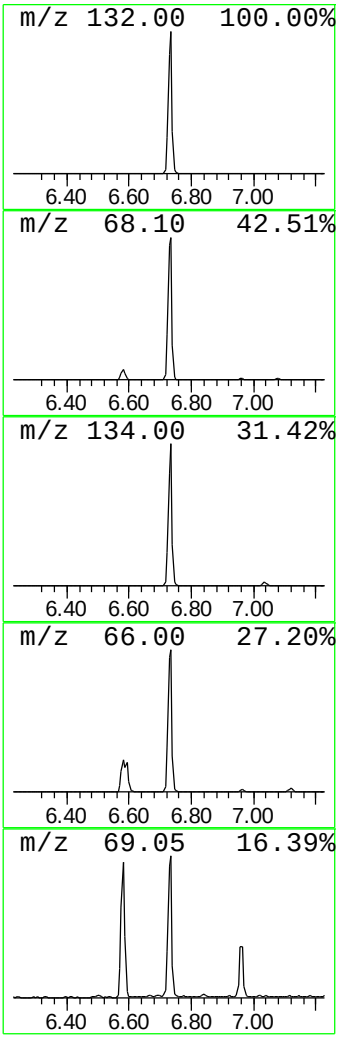
****

Peak Number 2 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	30.52 ng	1558120	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110110.D
Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

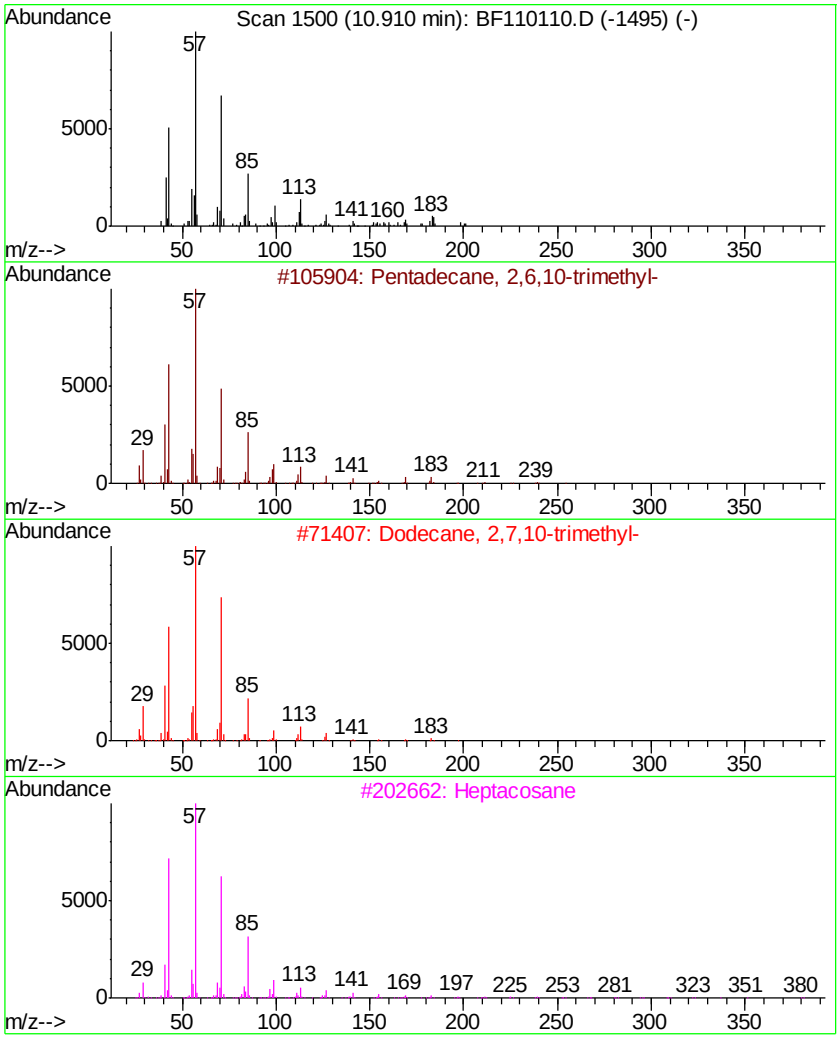
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

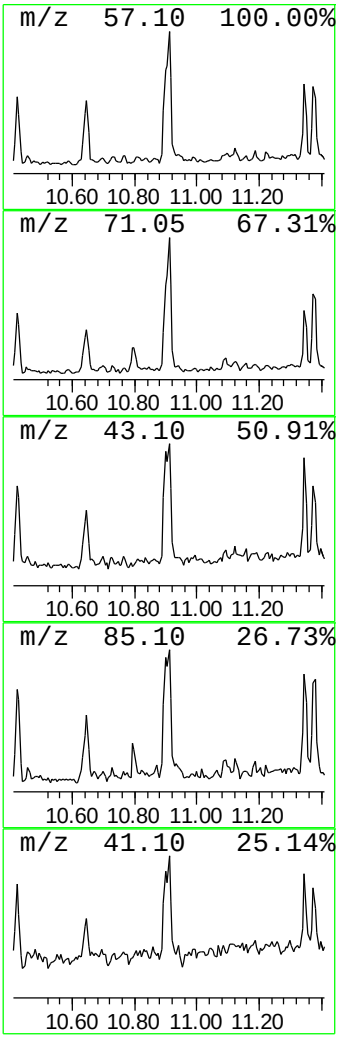
****

Peak Number 4 Pentadecane, 2,6,10-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	4.56 ng	227344	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	87
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
3	Heptacosane	380	C27H56	000593-49-7	72
4	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	64
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110110.D
Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

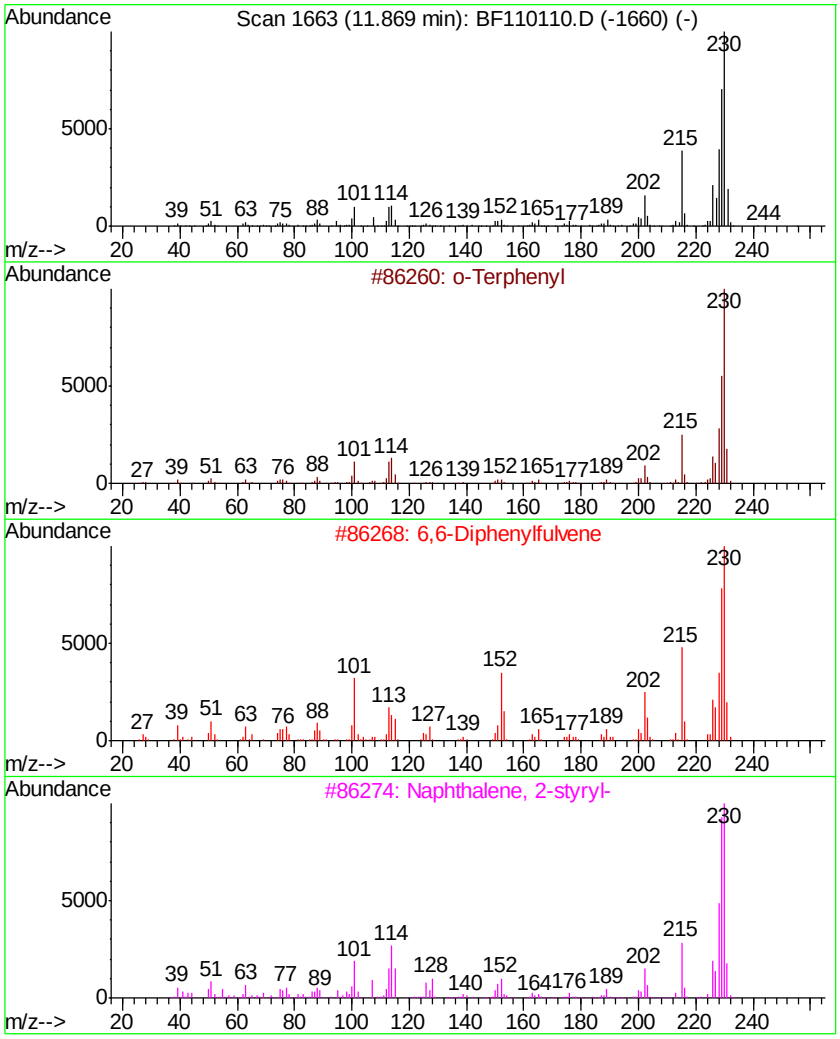
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

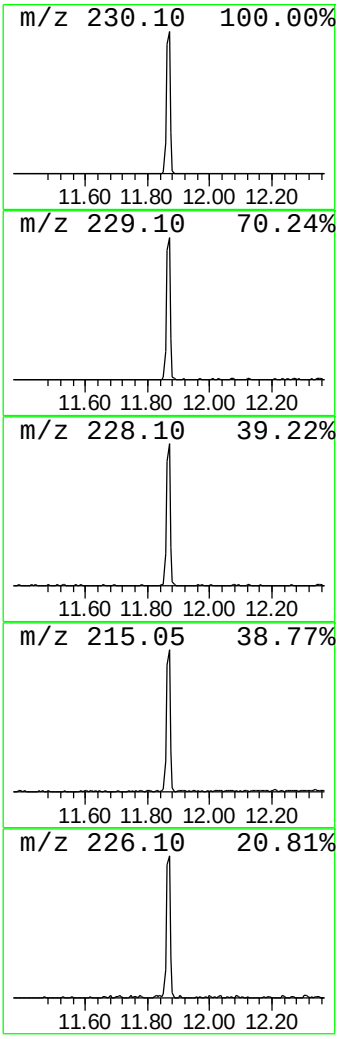
****

Peak Number 5 o-Terphenyl Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	10.56 ng	526704	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Terphenyl	230	C18H14	000084-15-1	96
2	6,6-Diphenylfulvene	230	C18H14	002175-90-8	89
3	Naphthalene, 2-styryl-	230	C18H14	002039-70-5	83
4	Naphthacene, 5,12-dihydro-	230	C18H14	000959-02-4	55
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110110.D
Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

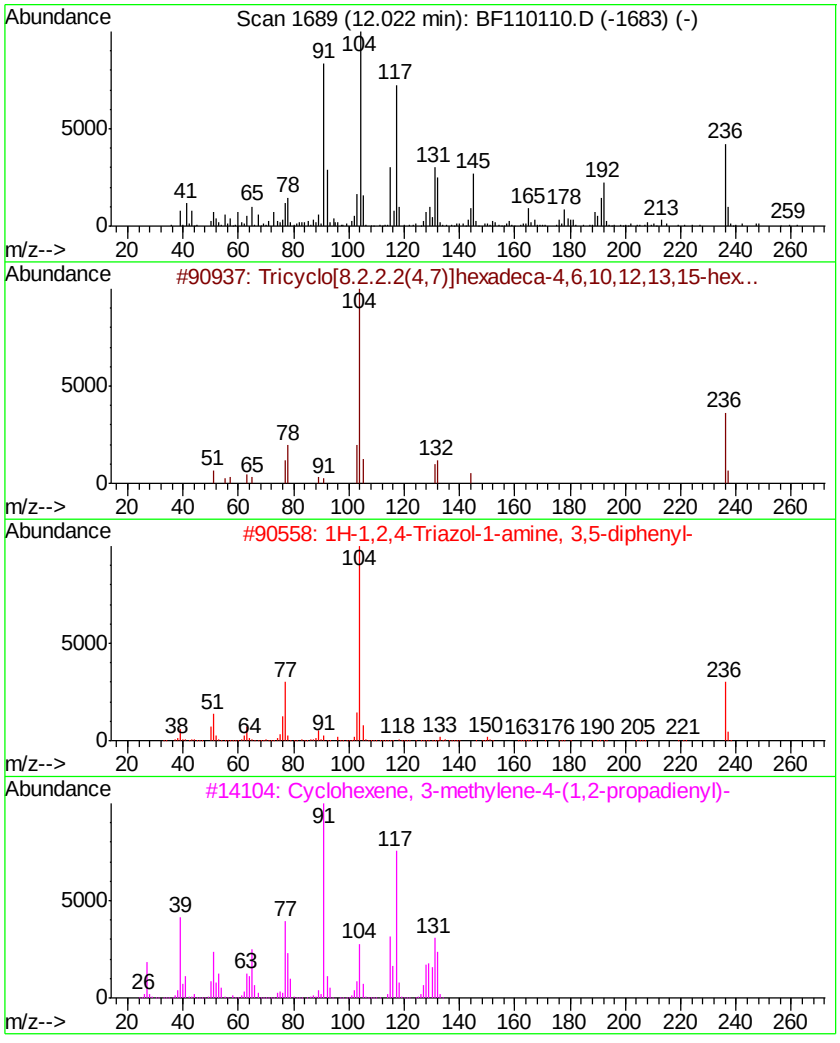
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

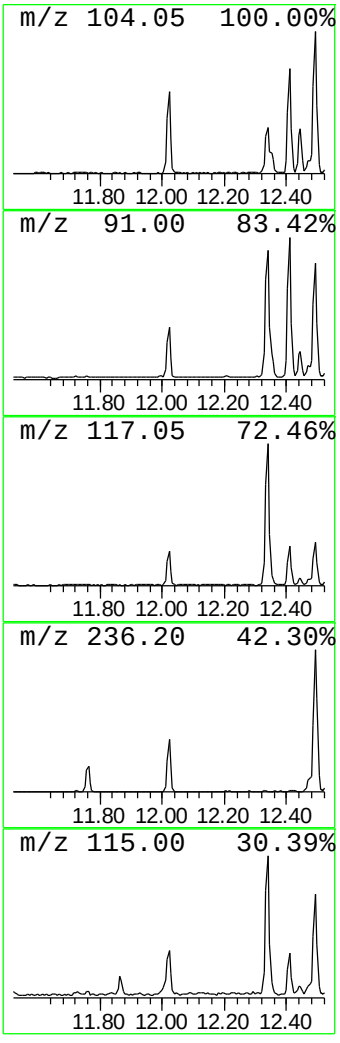
****

Peak Number 6 unknown12.02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	10.60 ng	528454	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-4...	236	C17H16O	000729-30-6	43
2	1H-1,2,4-Triazol-1-amine, 3,5-di...	236	C14H12N4	034985-93-8	38
3	Cyclohexene, 3-methylene-4-(1,2-...	132	C10H12	068377-81-1	30
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	25
5	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110110.D
Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

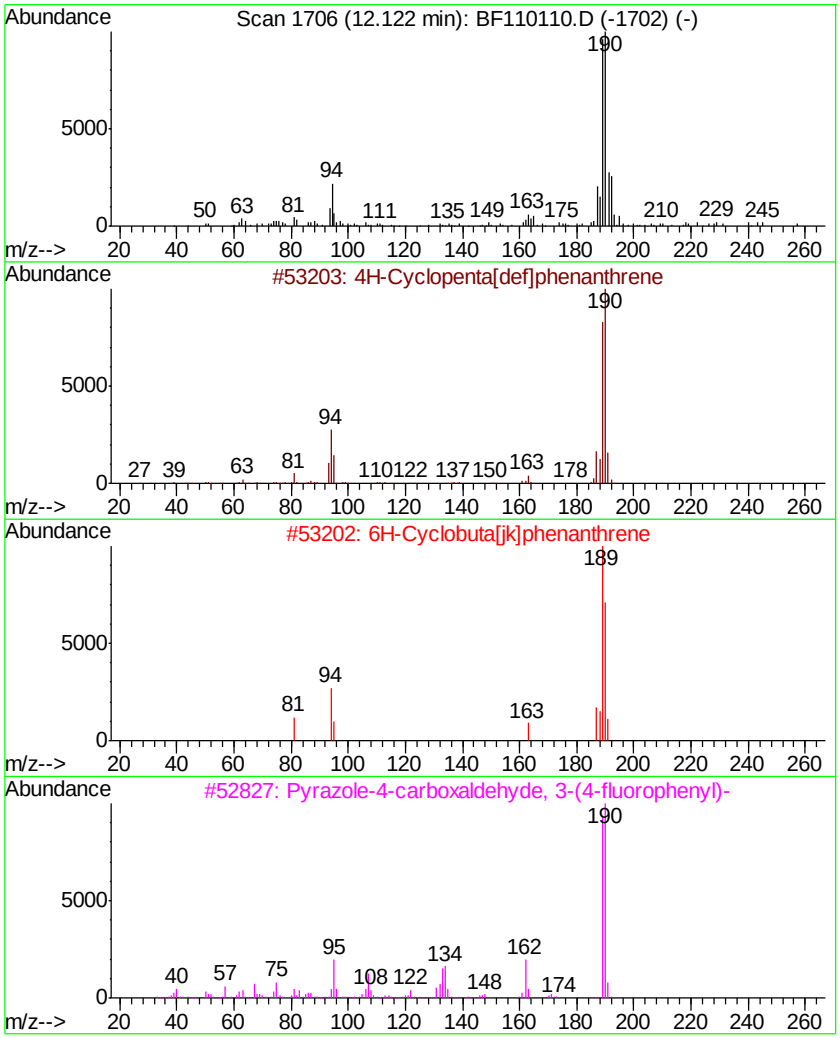
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

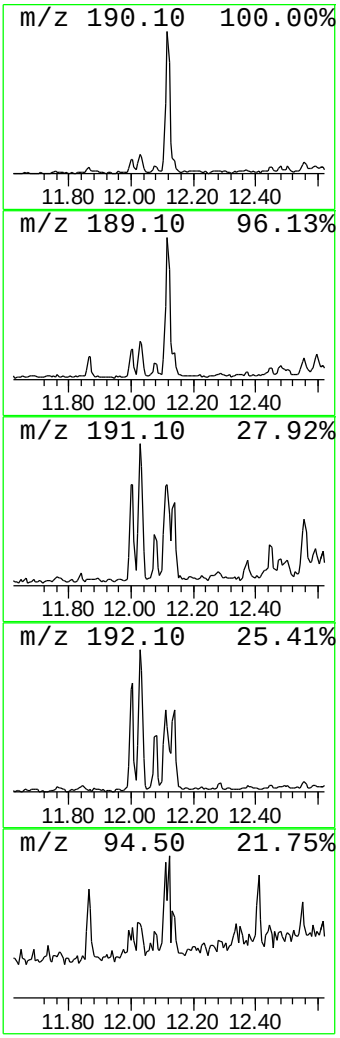
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	2.55 ng	127415	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18





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Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

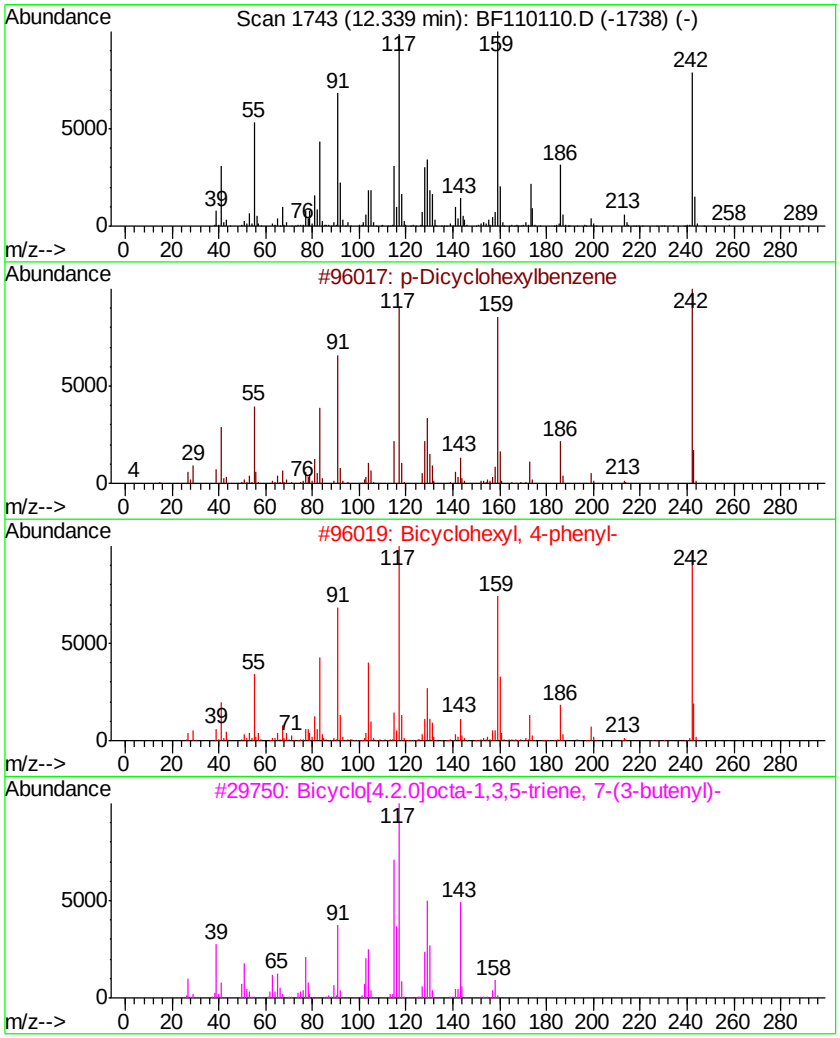
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

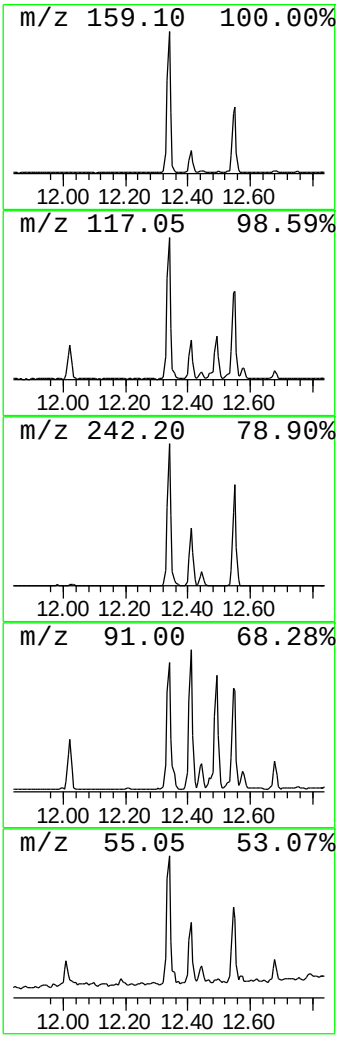
****

Peak Number 8 p-Dicyclohexylbenzene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	21.83 ng	1088990	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Dicyclohexylbenzene	242	C18H26	001087-02-1	97
2	Bicyclohexyl, 4-phenyl-	242	C18H26	020273-27-2	86
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	158	C12H14	122057-61-8	15
4	1H-Indene, 2,3-dihydro-1,1,5,6-t...	174	C13H18	000942-43-8	14
5	2(1H)-Quinolinone, 4-methyl-	159	C10H9NO	000607-66-9	11





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Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

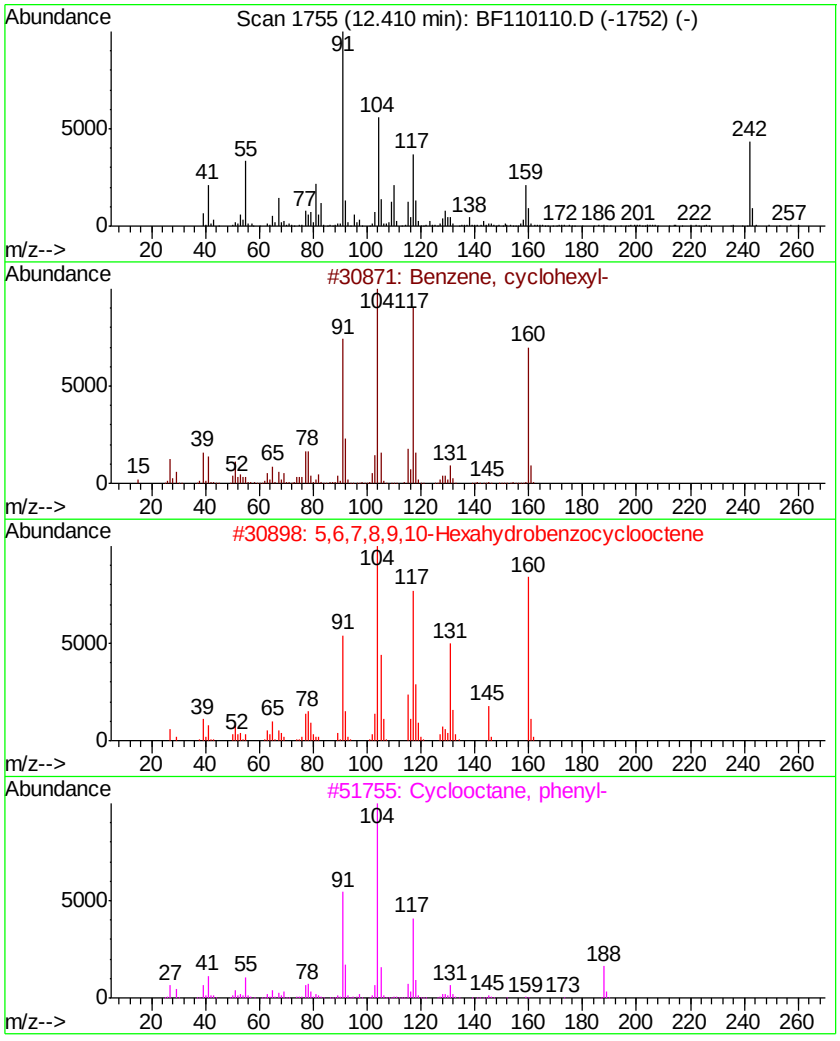
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

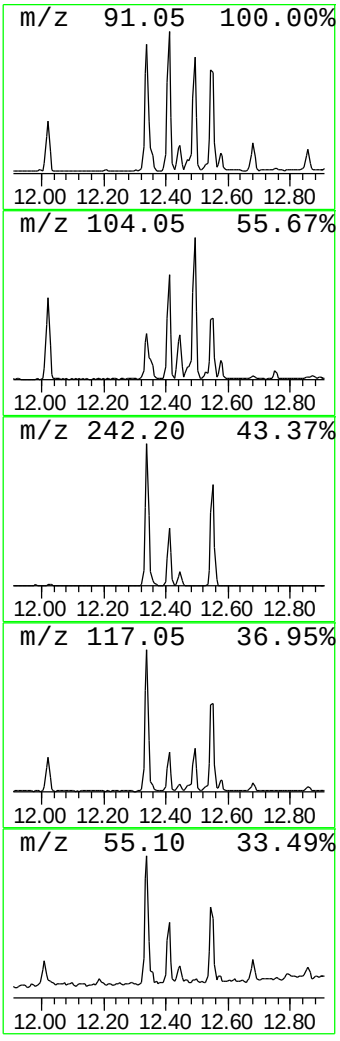
****

Peak Number 9 unknown12.41 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	9.17 ng	457330	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclohexyl-	160	C12H16	000827-52-1	38
2	5,6,7,8,9,10-Hexahydrobenzocyclo...	160	C12H16	001076-69-3	35
3	Cyclooctane, phenyl-	188	C14H20	016538-85-5	27
4	Benzene, 1-nonenyl-	202	C15H22	034426-61-4	27
5	6-Phenyl-n-hexanol	178	C12H18O	002430-16-2	16





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Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

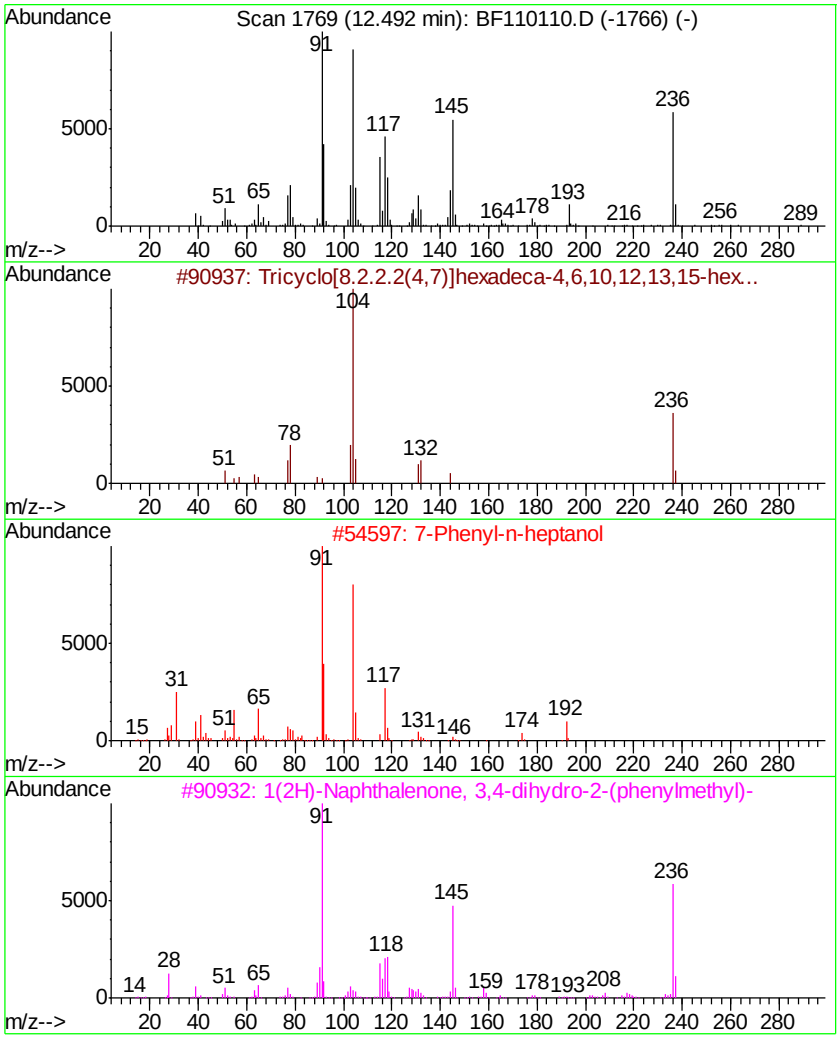
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

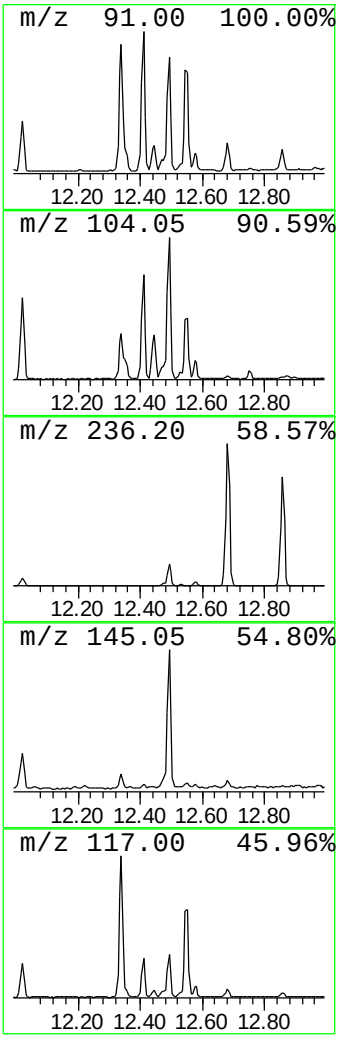
****

Peak Number 10 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	9.66 ng	481744	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-4...	236	C17H16O	000729-30-6	50
2	7-Phenyl-n-heptanol	192	C13H20O	1000342-43-8	43
3	1(2H)-Naphthalenone, 3,4-dihydro...	236	C17H16O	027019-08-5	38
4	N,N'-Bis-(4-methyl-benzylidene)-...	236	C16H16N2	1000193-17-0	22
5	Azetidine, 1-chloro-2-phenyl-	167	C9H10ClN	030839-64-6	22





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Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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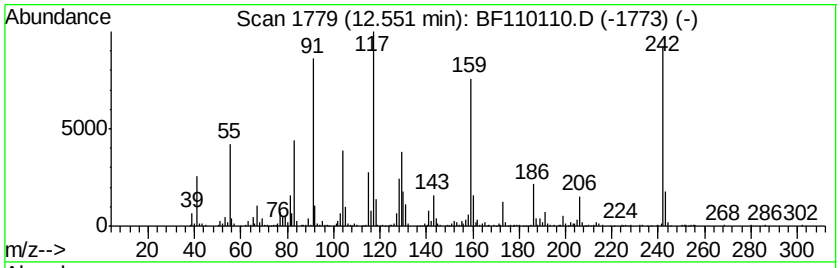
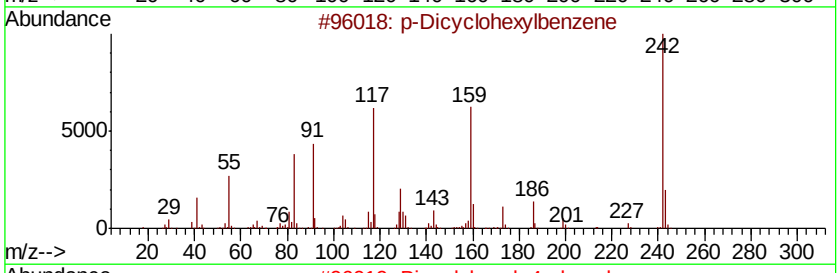
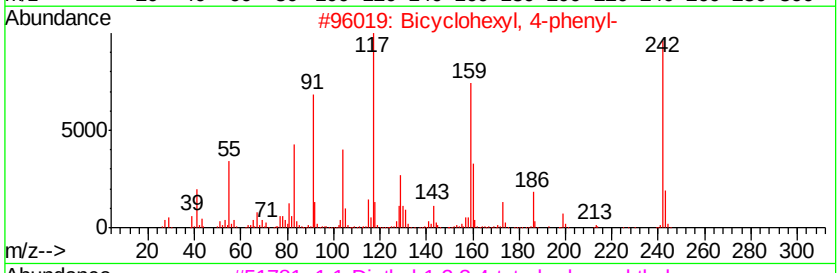
Peak Number 11 Bicyclohexyl, 4-phenyl- Concentration Rank 5

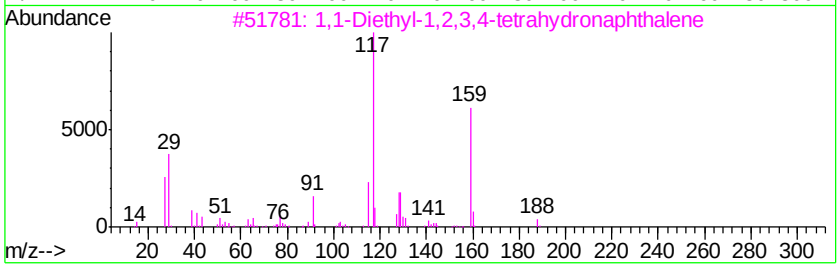
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	15.06 ng	751350	Phenanthrene-d10	11.50

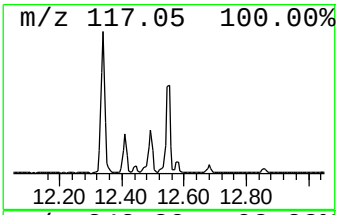
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Dicyclohexylbenzene	242	C18H26	001087-02-1	96
2	Bicyclohexyl, 4-phenyl-	242	C18H26	020273-27-2	94
3	1,1-Diethyl-1,2,3,4-tetrahydrona...	188	C14H20	002938-66-1	35
4	4-Butylbenzonitrile	159	C11H13N	020651-73-4	27
5	Pyridine, 1,2,3,6-tetrahydro-4-p...	159	C11H13N	010338-69-9	18

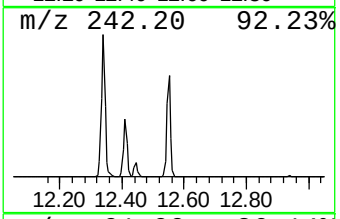


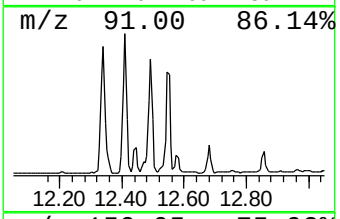


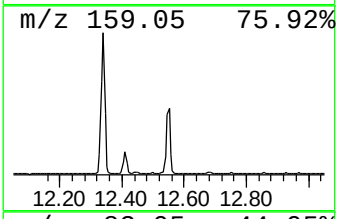


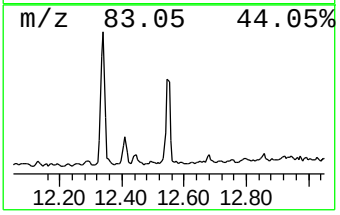












Library Search Compound Report

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Data File : BF110110.D
Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

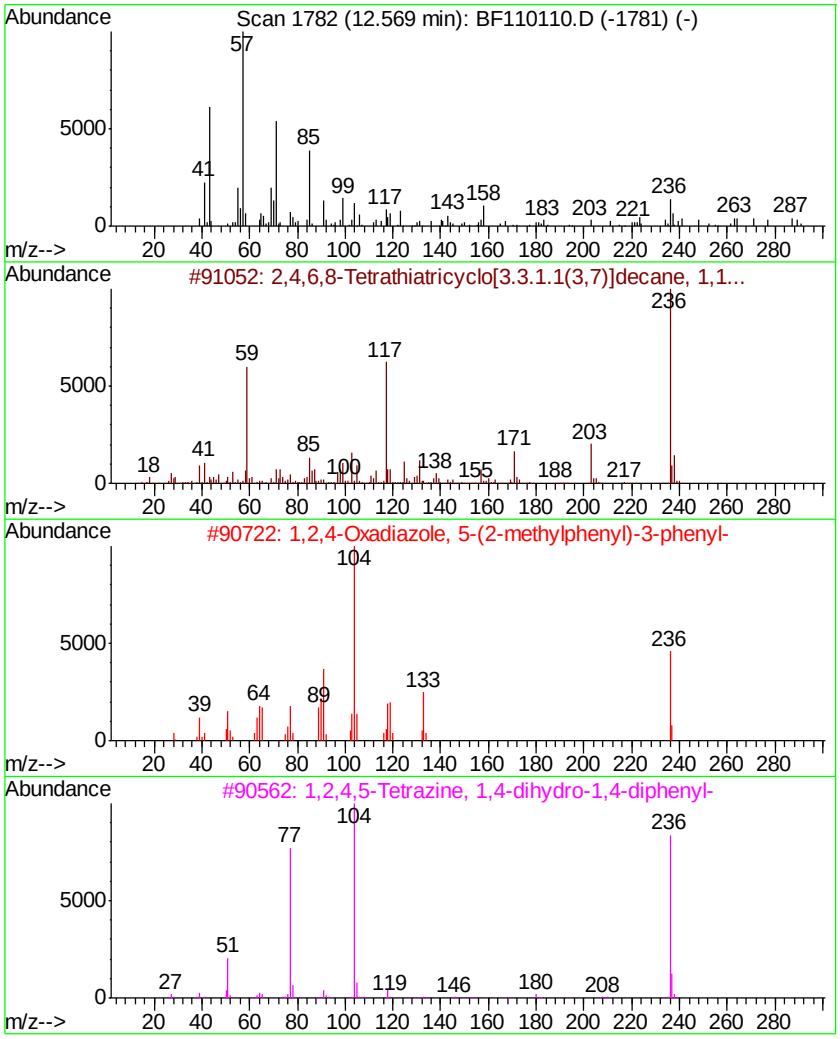
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

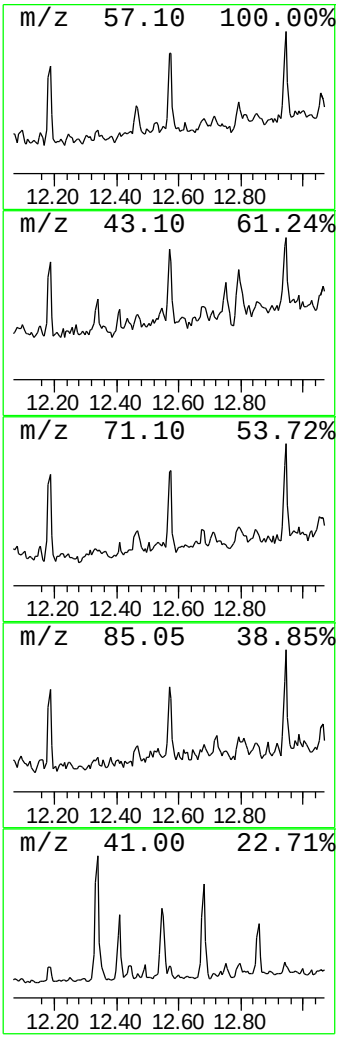
****

Peak Number 12 unknown12.57 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	2.66 ng	132729	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6,8-Tetrathiatricyclo[3.3.1....	236	C8H12S4	057289-11-9	25
2	1,2,4-Oxadiazole, 5-(2-methylphe...	236	C15H12N2O	054494-15-4	22
3	1,2,4,5-Tetrazine, 1,4-dihydro-1...	236	C14H12N4	002244-91-9	14
4	Tricyclo[10.2.2.2(5,8)]octadeca-...	236	C18H20	002913-24-8	14
5	Benzene, 1-octenyl-	188	C14H20	029518-72-7	14





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Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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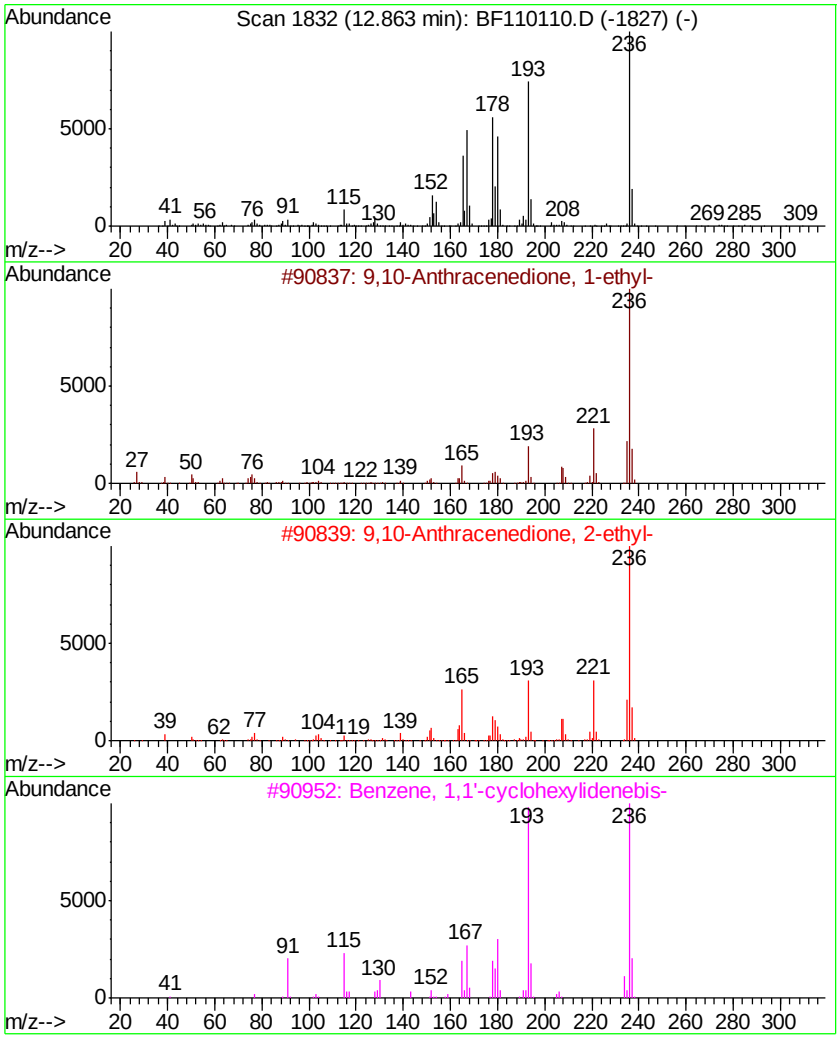
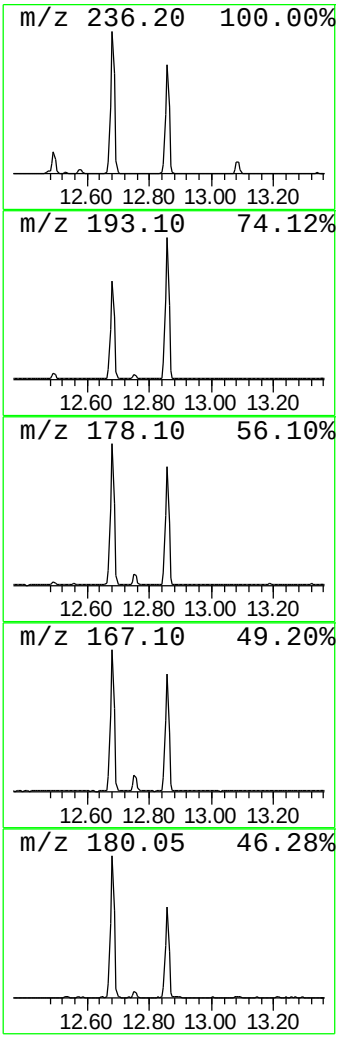
Peak Number 13 9,10-Anthracenedione, 1-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	18.18 ng	1259960	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione, 1-ethyl-	236	C16H12O2	024624-29-1	62
2	9,10-Anthracenedione, 2-ethyl-	236	C16H12O2	000084-51-5	53
3	Benzene, 1,1'-cyclohexylidenebis-	236	C18H20	021113-55-3	52
4	9,10-Anthracenedione, 2,3-dimethyl-	236	C16H12O2	006531-35-7	35
5	Anthracene, 9-ethyl-9,10-dihydro...	222	C17H18	036778-20-8	25





Library Search Compound Report

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Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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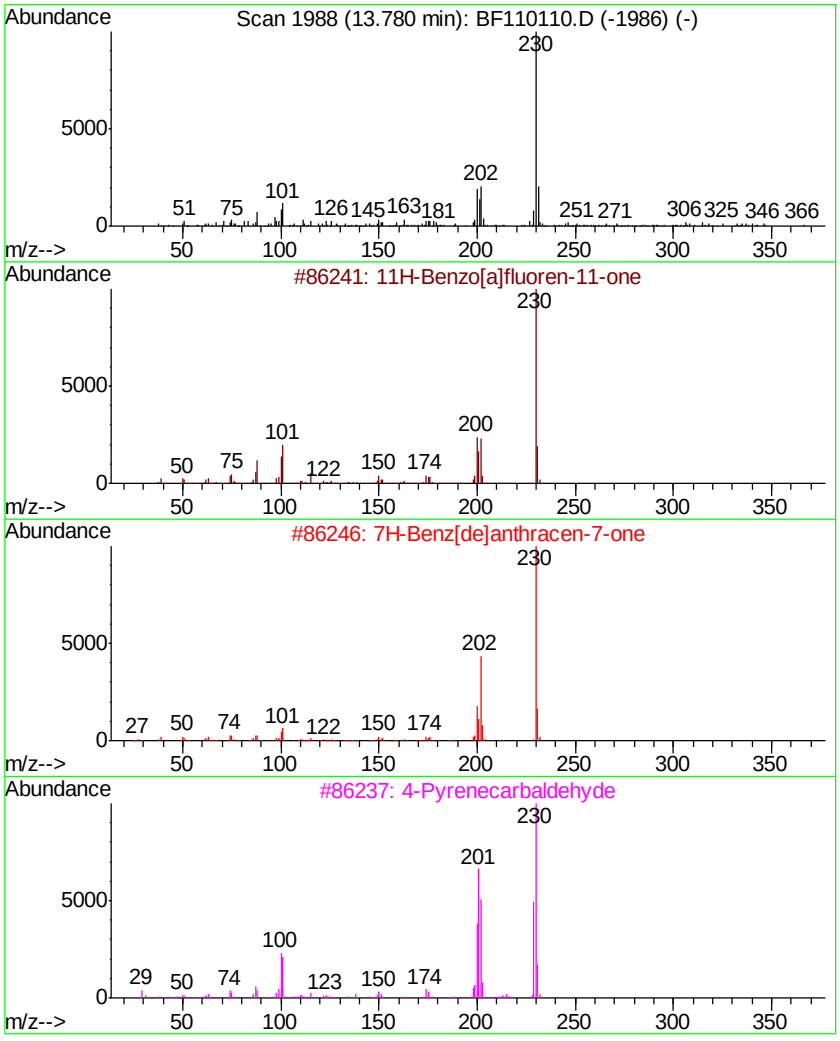
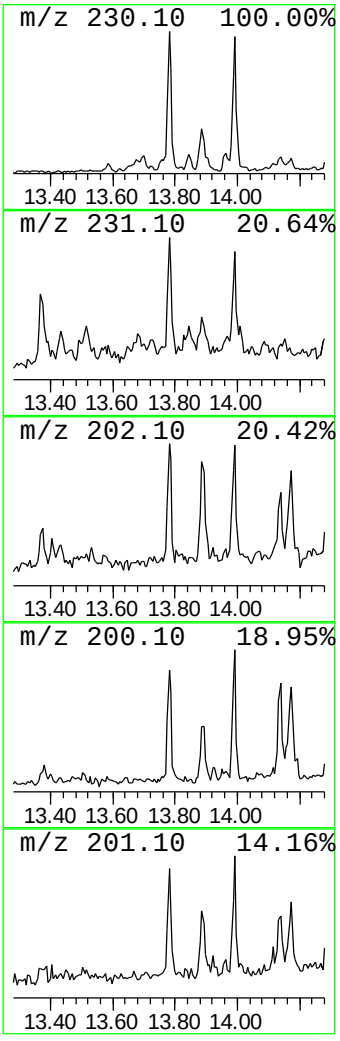
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	2.08 ng	144078	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	83
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	59
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59





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Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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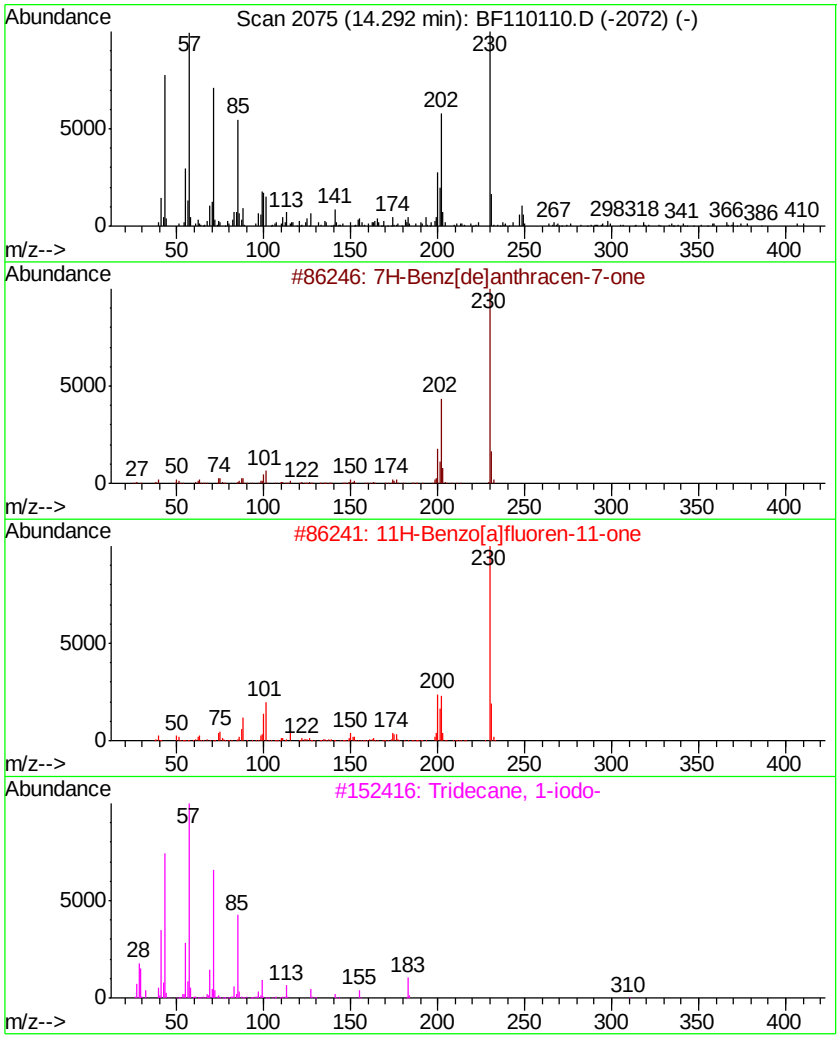
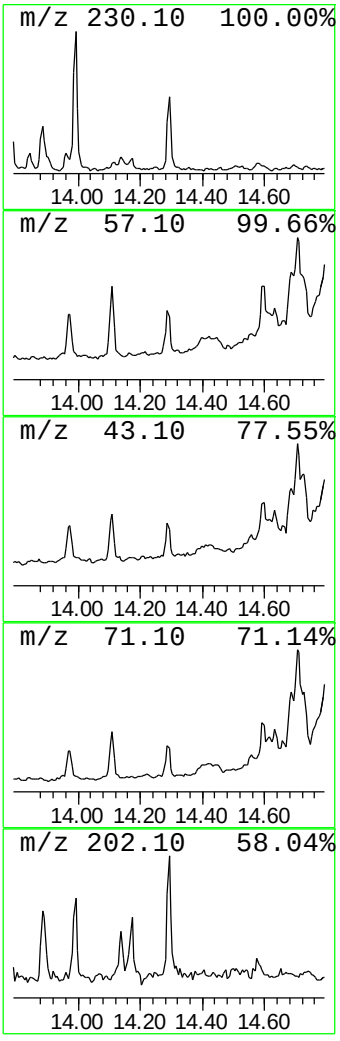
Peak Number 15 unknown14.29 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	2.20 ng	152392	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	49
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	38
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	38
4	Pentacosane	352	C25H52	000629-99-2	38
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	35





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Sample : J5610-04 2X
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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

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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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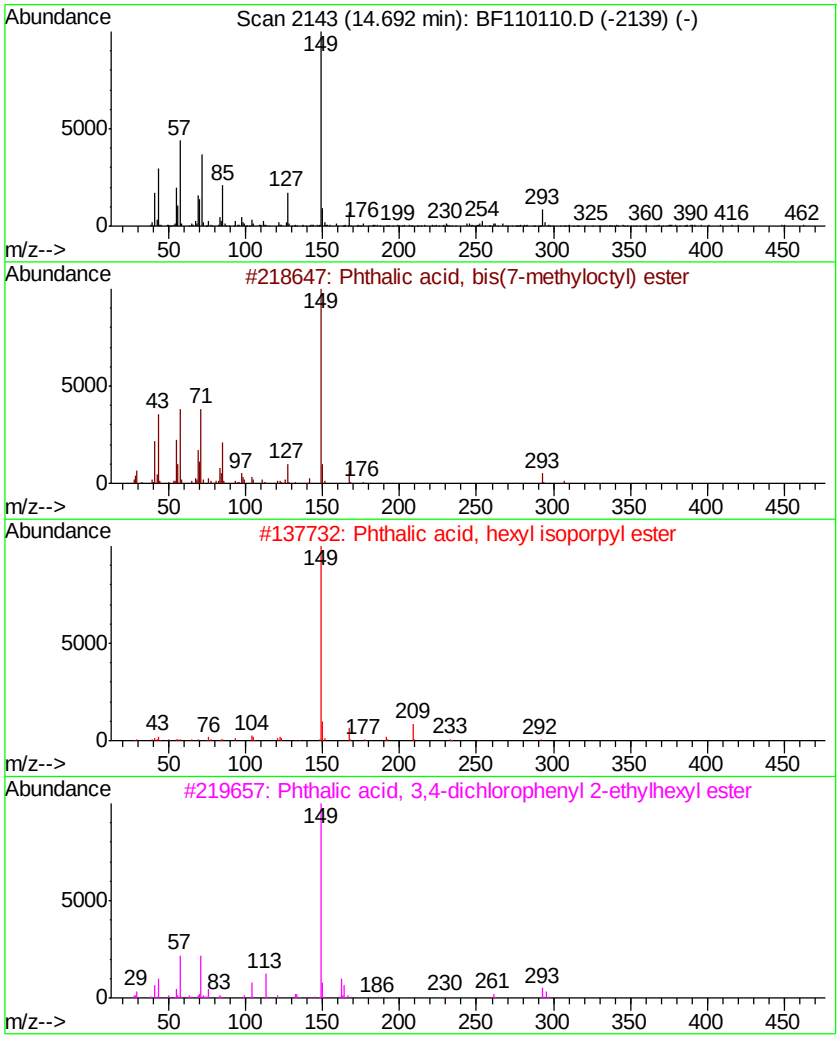
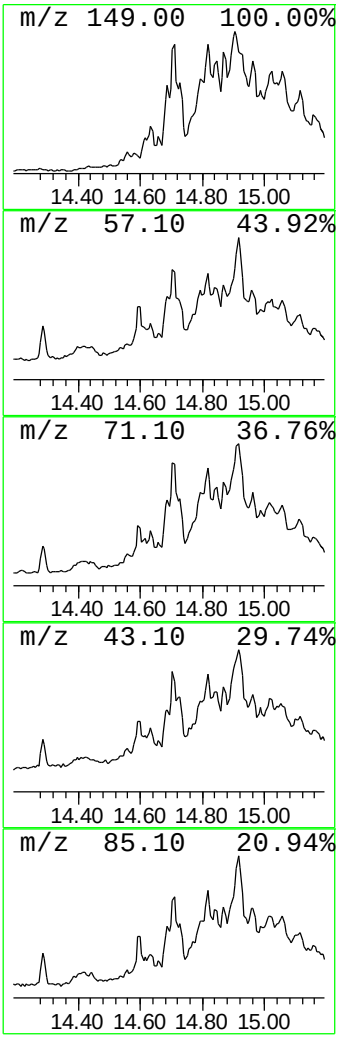
Peak Number 16 Phthalic acid, bis(7-methyl... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	5.84 ng	404985	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, bis(7-methyloctyl...	418	C26H42O4	020548-62-3	87
2	Phthalic acid, hexyl isoporpyl e...	292	C17H24O4	1000315-00-0	55
3	Phthalic acid, 3,4-dichlorophenyl...	422	C22H24Cl2O4	1000315-52-0	53
4	Phthalic acid, 2-bromo-4-fluorop...	450	C22H24BrFO4	1000315-63-3	53
5	Phthalic acid, dodecyl 2-ethylbu...	418	C26H42O4	1000356-89-7	53





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Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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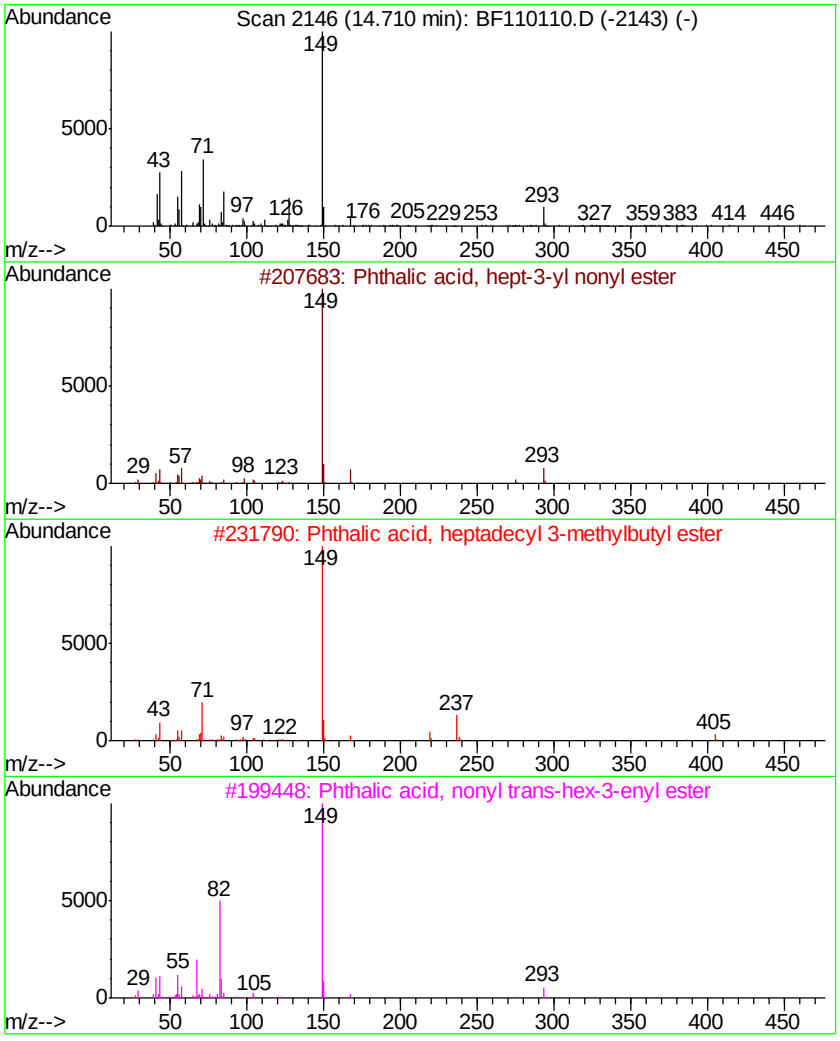
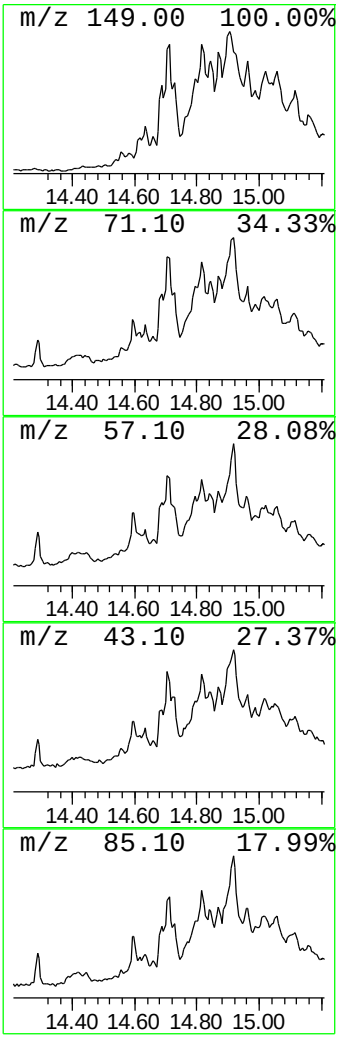
Peak Number 17 Phthalic acid, hept-3-yl no... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	5.88 ng	407358	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, hept-3-yl nonyl e...	390	C24H38O4	1000356-99-3	59
2	Phthalic acid, heptadecyl 3-meth...	474	C30H50O4	1000356-81-8	59
3	Phthalic acid, nonyl trans-hex-3...	374	C23H34O4	1000360-48-7	53
4	Phthalic acid, dodecyl 3-methylb...	402	C25H38O4	1000357-11-0	52
5	Phthalic acid, decyl undecyl ester	460	C29H48O4	1000308-91-9	50





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Data File : BF110110.D
Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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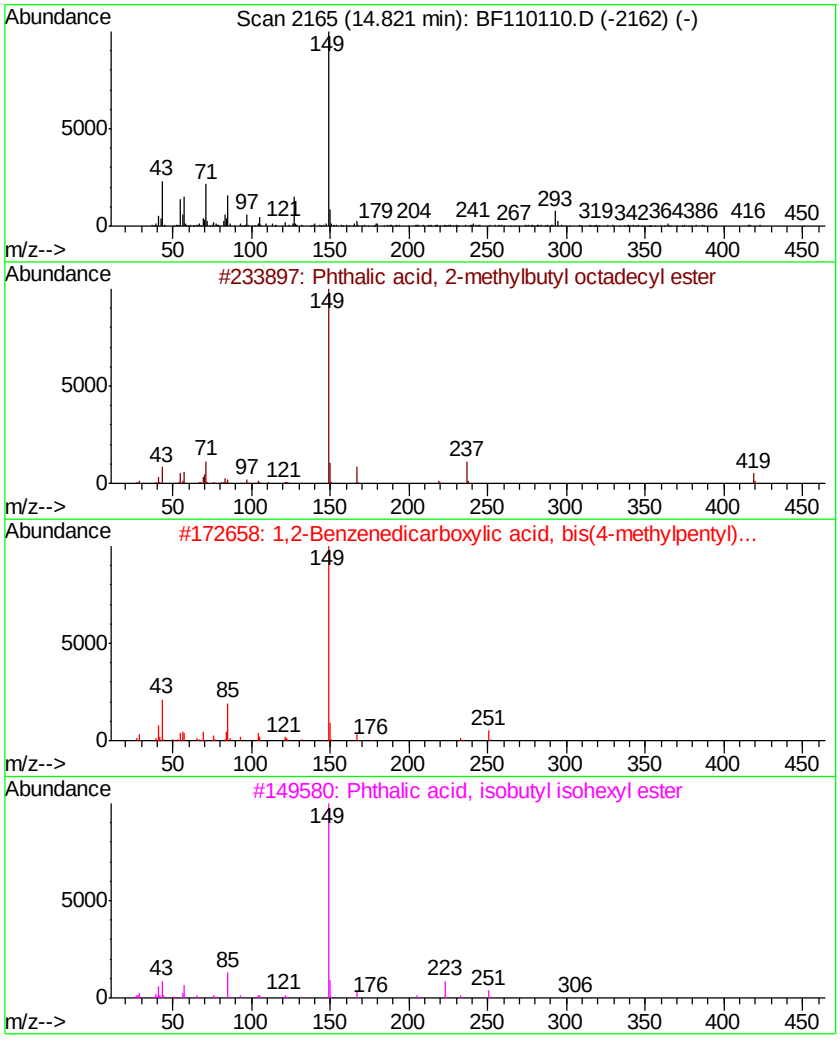
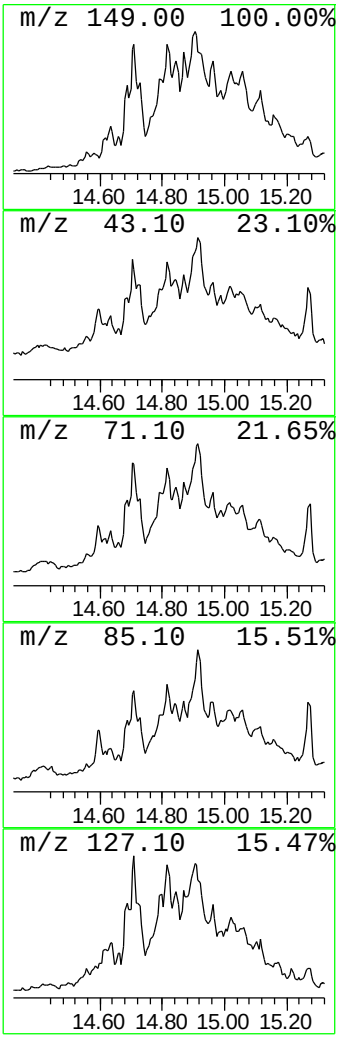
Peak Number 18 Phthalic acid, 2-methylbuty... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	2.42 ng	167976	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 2-methylbutyl oct...	488	C31H52O4	1000322-82-4	53
2	1,2-Benzenedicarboxylic acid, bi...	334	C20H30O4	000146-50-9	52
3	Phthalic acid, isobutyl isohexyl...	306	C18H26O4	1000308-98-1	49
4	Phthalic acid, heptyl octyl ester	376	C23H36O4	088216-58-4	49
5	Phthalic acid, isohexyl isopropy...	292	C17H24O4	1000315-00-4	49





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Data File : BF110110.D
Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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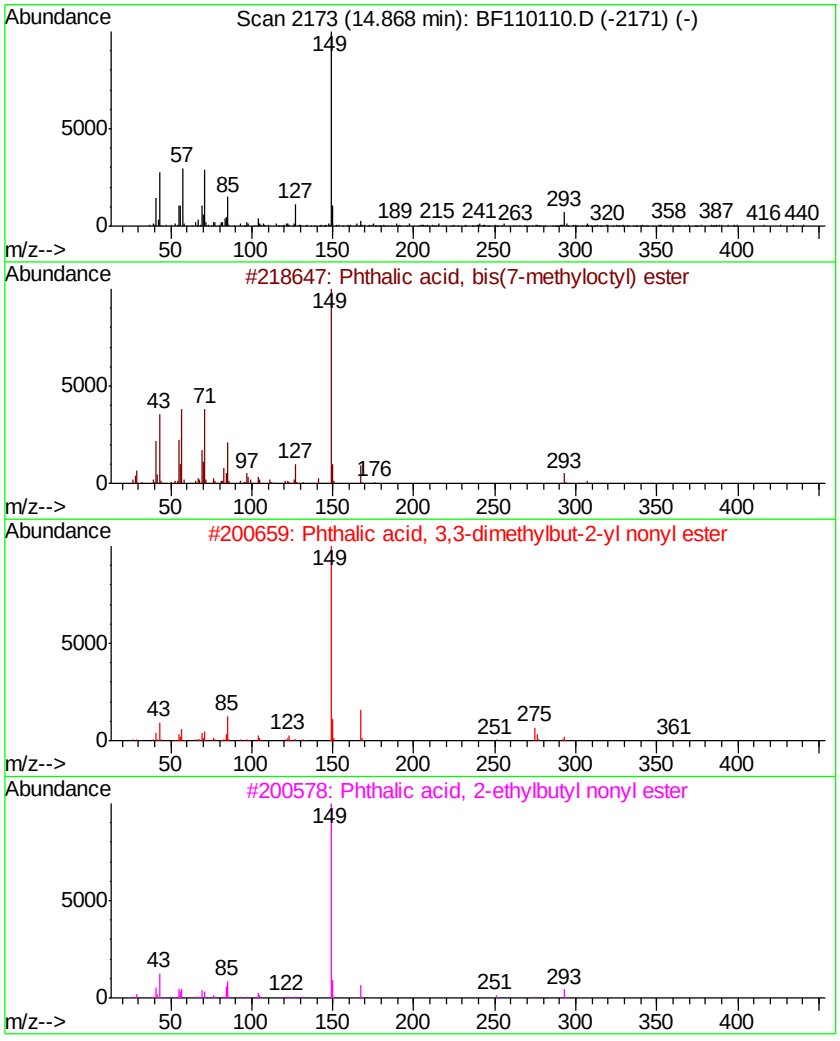
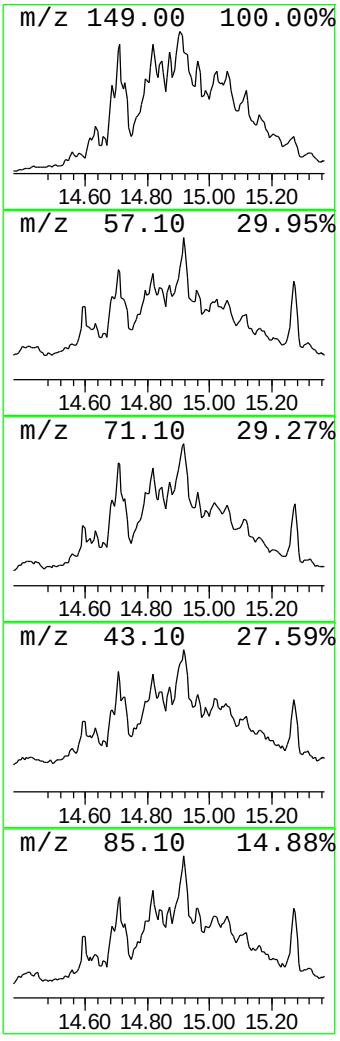
Peak Number 19 Phthalic acid, 3,3-dimethyl... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	2.90 ng	200952	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, bis(7-methyloctyl...	418	C26H42O4	020548-62-3	78
2	Phthalic acid, 3,3-dimethylbut-2...	376	C23H36O4	1000357-00-8	59
3	Phthalic acid, 2-ethylbutyl nonv...	376	C23H36O4	1000356-89-4	59
4	Phthalic acid, dodecyl hex-3-yl ...	418	C26H42O4	1000356-96-3	59
5	Phthalic acid, dodecyl nonyl ester	460	C29H48O4	1000308-92-6	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110110.D
Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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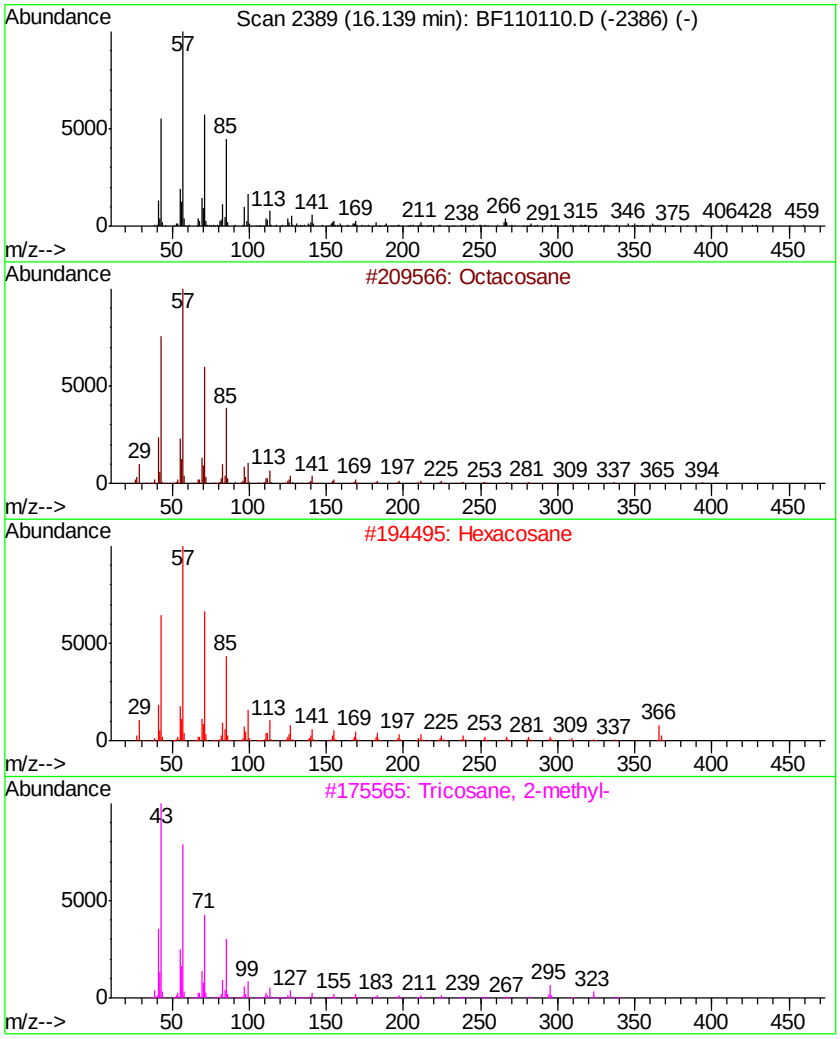
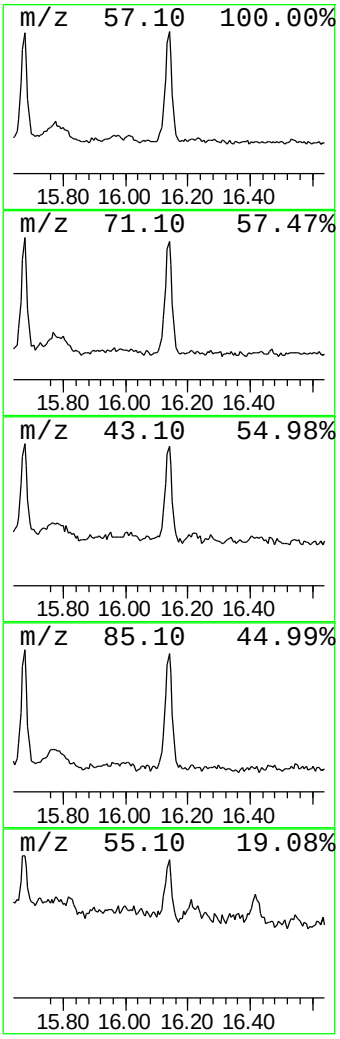
Peak Number 20 Octacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	8.59 ng	420612	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Hexacosane	366	C26H54	000630-01-3	90
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	87
4	Heneicosane	296	C21H44	000629-94-7	83
5	Octadecane	254	C18H38	000593-45-3	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102418\
Data File : BF110110.D
Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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
Butane, 2-methoxy...	2.26	4.4	ng	223471	1	6.96	1021040	20.0
unknown6.73	6.73	30.5	ng	1558120	1	6.96	1021040	20.0
Pentadecane, 2,6,...	10.91	4.6	ng	227344	4	11.50	997548	20.0
o-Terphenyl	11.87	10.6	ng	526704	4	11.50	997548	20.0
unknown12.02	12.02	10.6	ng	528454	4	11.50	997548	20.0
4H-Cyclopenta[def...	12.12	2.5	ng	127415	4	11.50	997548	20.0
p-Dicyclohexylben...	12.34	21.8	ng	1088990	4	11.50	997548	20.0
unknown12.41	12.41	9.2	ng	457330	4	11.50	997548	20.0
Tricyclo[8.2.2.2(...	12.49	9.7	ng	481744	4	11.50	997548	20.0
Bicyclohexyl, 4-p...	12.55	15.1	ng	751350	4	11.50	997548	20.0
unknown12.57	12.57	2.7	ng	132729	4	11.50	997548	20.0
9,10-Anthracenedi...	12.86	18.2	ng	1259960	5	14.15	1385900	20.0
11H-Benzo[a]fluor...	13.78	2.1	ng	144078	5	14.15	1385900	20.0
unknown14.29	14.29	2.2	ng	152392	5	14.15	1385900	20.0
Phthalic acid, bi...	14.69	5.8	ng	404985	5	14.15	1385900	20.0
Phthalic acid, he...	14.71	5.9	ng	407358	5	14.15	1385900	20.0
Phthalic acid, 2-...	14.82	2.4	ng	167976	5	14.15	1385900	20.0
Phthalic acid, 3,...	14.87	2.9	ng	200952	5	14.15	1385900	20.0
Octacosane	16.14	8.6	ng	420612	6	15.68	978791	20.0