LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
Data File : BF098874.D
Acq On : 27 Sep 2017 20:35
Operator : SJ/JU
Sample : I5444-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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	5.122	513	516	522	rBV	100564	95597	5.04%	0.327%
2	5.522	580	584	595	rVB	711816	619416	32.64%	2.117%
3	6.528	751	755	761	rBV	699782	622786	32.82%	2.129%
4	6.675	777	780	784	rBV	808457	651287	34.32%	2.226%
5	6.910	817	820	824	rBV	905952	776349	40.91%	2.654%
6	7.069	843	847	850	rBV	555173	483022	25.46%	1.651%
7	7.469	911	915	918	rBV	462062	375039	19.77%	1.282%
8	8.192	1034	1038	1045	rBV	1211792	1036048	54.60%	3.541%
9	9.263	1216	1220	1224	rBV	763593	657386	34.65%	2.247%
10	9.657	1284	1287	1291	rVB	101539	74152	3.91%	0.253%
11	9.951	1333	1337	1340	rBV	1203347	1014639	53.47%	3.468%
12	9.980	1340	1342	1346	rVB	58727	42991	2.27%	0.147%
13	10.398	1410	1413	1416	rVB	43218	29547	1.56%	0.101%
14	10.492	1426	1429	1433	rBV	44487	38304	2.02%	0.131%
15	10.545	1435	1438	1442	rBV2	34425	35246	1.86%	0.120%
16	10.616	1447	1450	1453	rBV	37271	38032	2.00%	0.130%
17	10.657	1453	1457	1460	rVV3	76218	95980	5.06%	0.328%
18	10.692	1460	1463	1465	rVV	208690	206469	10.88%	0.706%
19	10.710	1465	1466	1468	rVV2	113065	102601	5.41%	0.351%
20	10.733	1468	1470	1480	rVV2	462559	432539	22.80%	1.479%
21	10.804	1480	1482	1483	rVV	26756	22258	1.17%	0.076%
22	10.863	1486	1492	1495	rVV	825560	683710	36.03%	2.337%
23	10.916	1497	1501	1503	rVV	1498785	1375252	72.48%	4.701%
24	10.945	1503	1506	1510	rVV2	1444137	1897485	100.00%	6.486%
25	10.980	1510	1512	1514	rVV	1481984	1181443	62.26%	4.038%
26	11.004	1514	1516	1519	rVV	897053	748369	39.44%	2.558%
27	11.045	1519	1523	1525	rVV2	515344	786298	41.44%	2.688%
28	11.063	1525	1526	1528	rVV	543532	310617	16.37%	1.062%
29	11.092	1528	1531	1535	rVV3	1180344	1396176	73.58%	4.772%
30	11.127	1535	1537	1539	rVV	1070960	920540	48.51%	3.147%
31	11.151	1539	1541	1542	rVV	473599	386415	20.36%	1.321%
32	11.169	1542	1544	1548	rVV	717057	671200	35.37%	2.294%
33	11.210	1548	1551	1554	rVV2	38086	41520	2.19%	0.142%
34	11.251	1554	1558	1560	rVV	103898	99508	5.24%	0.340%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
Data File : BF098874.D
Acq On : 27 Sep 2017 20:35
Operator : SJ/JU
Sample : I5444-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.286	1560	1564	1566	rVV4	55259	73361	3.87%	0.251%
36	11.316	1566	1569	1571	rVV	140738	146597	7.73%	0.501%
37	11.339	1571	1573	1575	rVV2	75916	80673	4.25%	0.276%
38	11.363	1575	1577	1578	rVV	89203	76011	4.01%	0.260%
39	11.380	1578	1580	1586	rVV	87764	69390	3.66%	0.237%
40	11.439	1586	1590	1592	rVV	1018400	911440	48.03%	3.116%
41	11.457	1592	1593	1597	rVV	340531	274463	14.46%	0.938%
42	11.510	1600	1602	1605	rVV	104609	79155	4.17%	0.271%
43	11.539	1605	1607	1611	rVB2	21822	19706	1.04%	0.067%
44	11.639	1621	1624	1626	rBV	66837	61213	3.23%	0.209%
45	11.663	1626	1628	1630	rVB	34009	24550	1.29%	0.084%
46	11.933	1671	1674	1677	rBV	84739	86671	4.57%	0.296%
47	11.963	1677	1679	1683	rVB	116555	92991	4.90%	0.318%
48	12.010	1684	1687	1690	rBV	48143	46417	2.45%	0.159%
49	12.051	1690	1694	1696	rBV2	131180	135243	7.13%	0.462%
50	12.233	1722	1725	1727	rBV	58100	51791	2.73%	0.177%
51	12.380	1745	1750	1752	rBV	41710	37892	2.00%	0.130%
52	12.410	1752	1755	1757	rVV	48140	42125	2.22%	0.144%
53	12.433	1757	1759	1761	rVV	33221	22248	1.17%	0.076%
54	12.486	1761	1768	1771	rVV	74961	91821	4.84%	0.314%
55	12.521	1771	1774	1776	rVV2	50515	63448	3.34%	0.217%
56	12.568	1779	1782	1787	rVB2	60177	60305	3.18%	0.206%
57	12.651	1792	1796	1799	rBV	886848	809018	42.64%	2.765%
58	12.710	1804	1806	1809	rVB3	32095	25448	1.34%	0.087%
59	12.798	1818	1821	1824	rBV3	20506	20350	1.07%	0.070%
60	12.880	1828	1835	1840	rBV	805882	933368	49.19%	3.190%
61	12.927	1840	1843	1847	rVB2	54800	67396	3.55%	0.230%
62	13.015	1847	1858	1861	rBV	582491	574375	30.27%	1.963%
63	13.098	1864	1872	1875	rBV3	84781	144174	7.60%	0.493%
64	13.180	1882	1886	1887	rBV3	53047	55718	2.94%	0.190%
65	13.204	1887	1890	1893	rVB	162361	144590	7.62%	0.494%
66	13.268	1898	1901	1904	rBV	135530	119205	6.28%	0.407%
67	13.310	1904	1908	1910	rVV2	103827	110252	5.81%	0.377%
68	13.333	1910	1912	1915	rVB2	47117	39290	2.07%	0.134%
69	13.398	1920	1923	1926	rBV	48273	44804	2.36%	0.153%
70	13.433	1926	1929	1932	rBV	48380	52172	2.75%	0.178%
71	13.610	1955	1959	1960	rVV3	38145	47095	2.48%	0.161%

LSC Area Percent Report

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Acq On : 27 Sep 2017 20:35
Operator : SJ/JU
Sample : I5444-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.627	1960	1962	1965	rVV	28843	29806	1.57%	0.102%
73	13.686	1969	1972	1973	rBV	29334	29533	1.56%	0.101%
74	13.710	1973	1976	1981	rVB	73349	91984	4.85%	0.314%
75	13.821	1990	1995	1998	rBV2	73113	102671	5.41%	0.351%
76	13.851	1998	2000	2002	rVV	76915	65217	3.44%	0.223%
77	13.874	2002	2004	2007	rVV2	57404	72237	3.81%	0.247%
78	13.915	2007	2011	2019	rVB2	97721	131391	6.92%	0.449%
79	13.992	2019	2024	2027	rBV	26540	42266	2.23%	0.144%
80	14.074	2029	2038	2041	rBV2	1016149	1416729	74.66%	4.843%
81	14.098	2041	2042	2050	rVV	419576	325309	17.14%	1.112%
82	14.180	2053	2056	2058	rVV	87406	72078	3.80%	0.246%
83	14.215	2060	2062	2067	rVV2	39702	68142	3.59%	0.233%
84	14.262	2067	2070	2072	rVV	45730	49652	2.62%	0.170%
85	14.298	2072	2076	2079	rVV2	59274	83508	4.40%	0.285%
86	14.421	2095	2097	2099	rBV	33482	26837	1.41%	0.092%
87	14.457	2099	2103	2106	rVV	93726	111576	5.88%	0.381%
88	14.492	2106	2109	2113	rVV	53693	55268	2.91%	0.189%
89	14.551	2113	2119	2122	rVV4	54157	103248	5.44%	0.353%
90	14.586	2122	2125	2126	rVV	65607	68072	3.59%	0.233%
91	14.609	2126	2129	2132	rVV2	63603	76824	4.05%	0.263%
92	14.657	2132	2137	2143	rVB5	38624	77159	4.07%	0.264%
93	14.768	2153	2156	2159	rBV2	30188	40905	2.16%	0.140%
94	15.127	2212	2217	2220	rBV	331089	544771	28.71%	1.862%
95	15.233	2232	2235	2239	rVB	77469	79250	4.18%	0.271%
96	15.439	2266	2270	2275	rVB	206332	272119	14.34%	0.930%
97	15.498	2276	2280	2287	rBV	312101	412184	21.72%	1.409%
98	15.568	2287	2292	2295	rBV	604702	797728	42.04%	2.727%
99	17.062	2541	2546	2553	rVB2	100182	192131	10.13%	0.657%
100	17.521	2619	2624	2632	rVB2	66092	133402	7.03%	0.456%

Sum of corrected areas: 29254984

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
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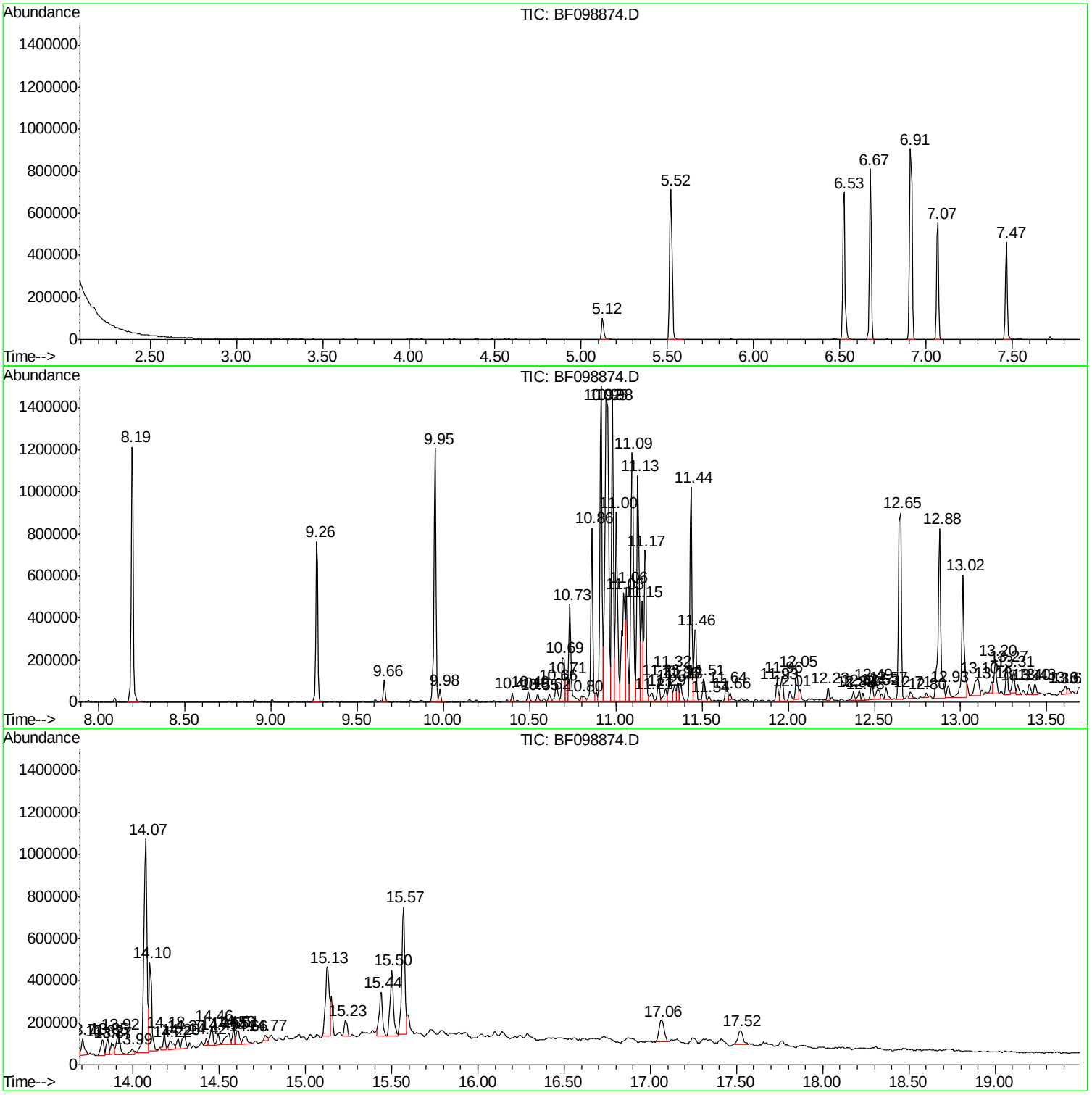
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-02-092617

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
Data File : BF098874.D
Acq On : 27 Sep 2017 20:35
Operator : SJ/JU
Sample : I5444-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

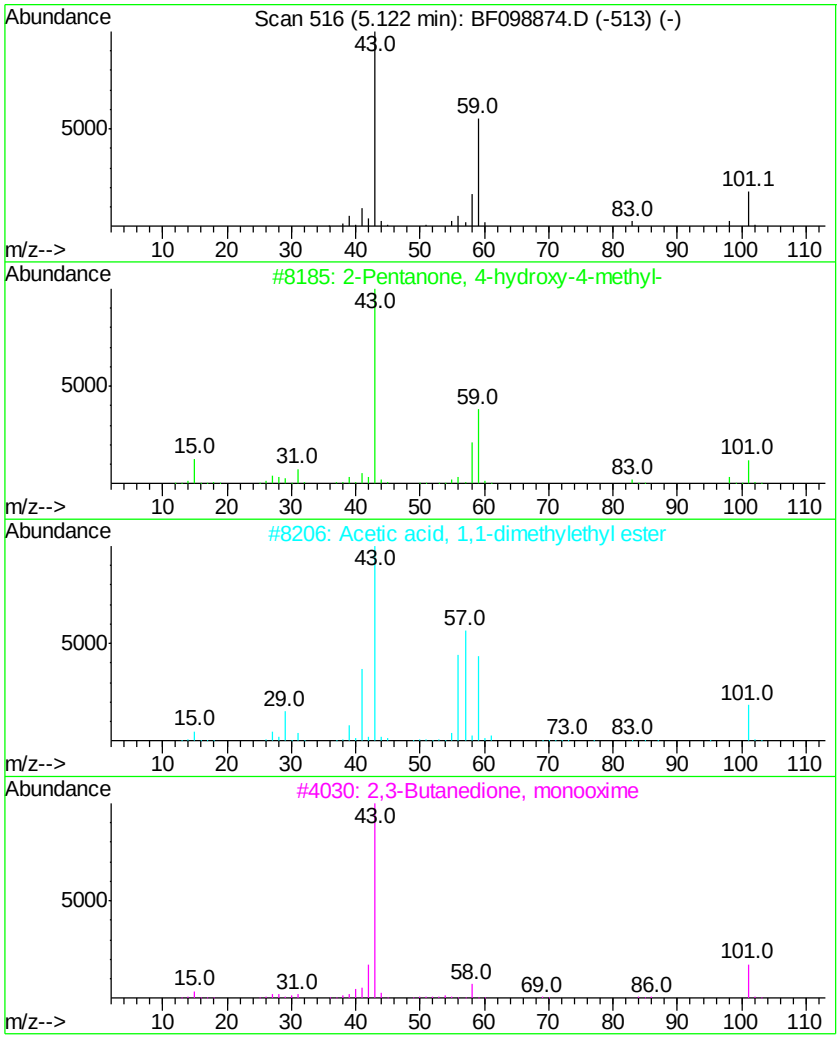
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

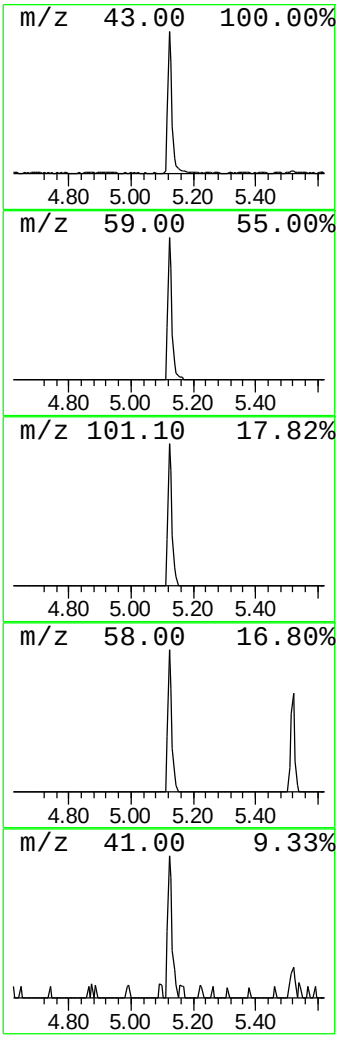
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	2.46 ng	95597	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
Data File : BF098874.D
Acq On : 27 Sep 2017 20:35
Operator : SJ/JU
Sample : I5444-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

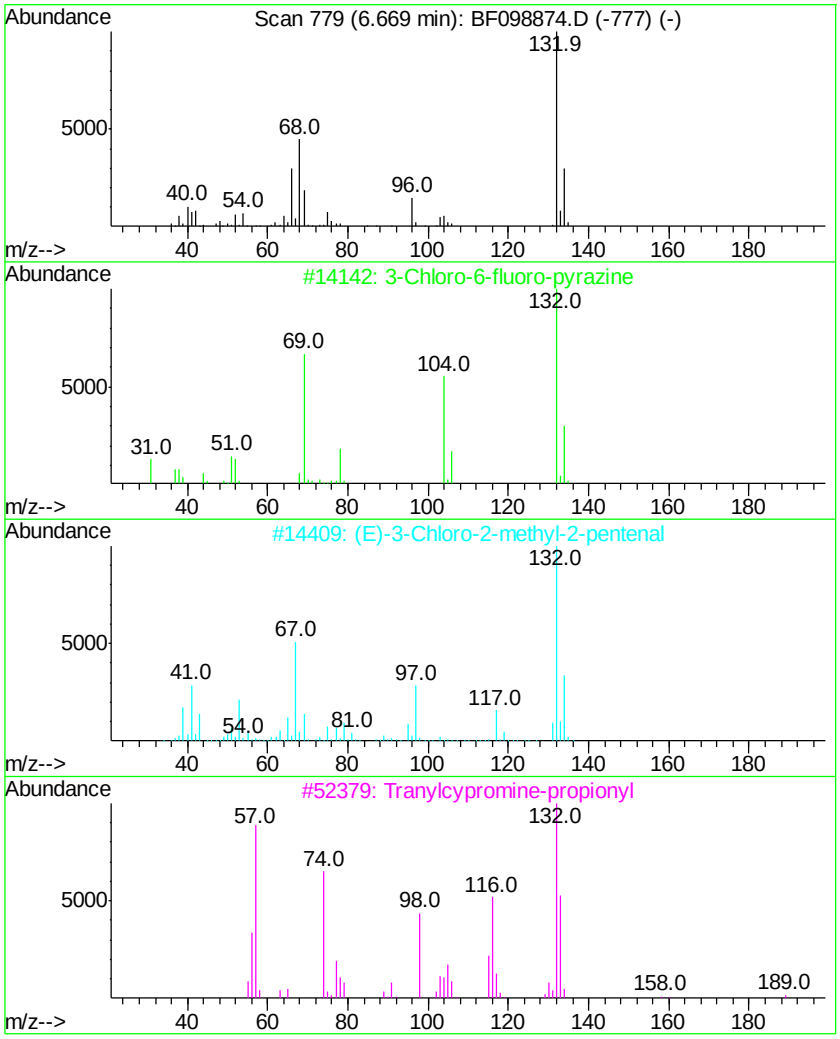
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

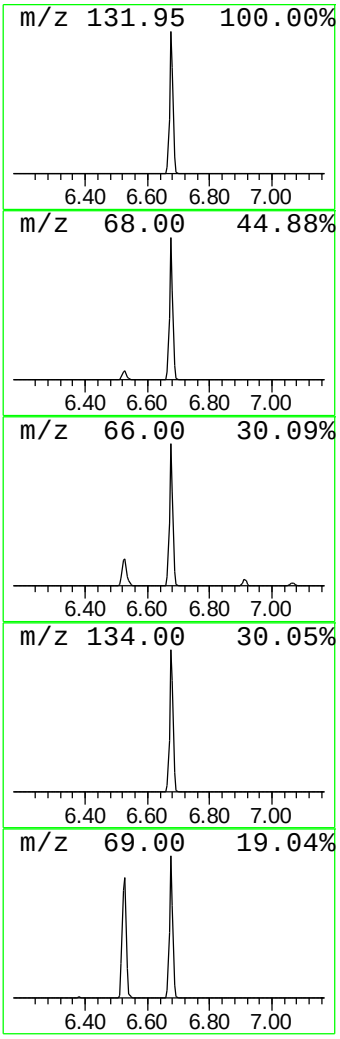
****

Peak Number 2 unknown6.67 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	16.78 ng	651287	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Data File : BF098874.D
Acq On : 27 Sep 2017 20:35
Operator : SJ/JU
Sample : I5444-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

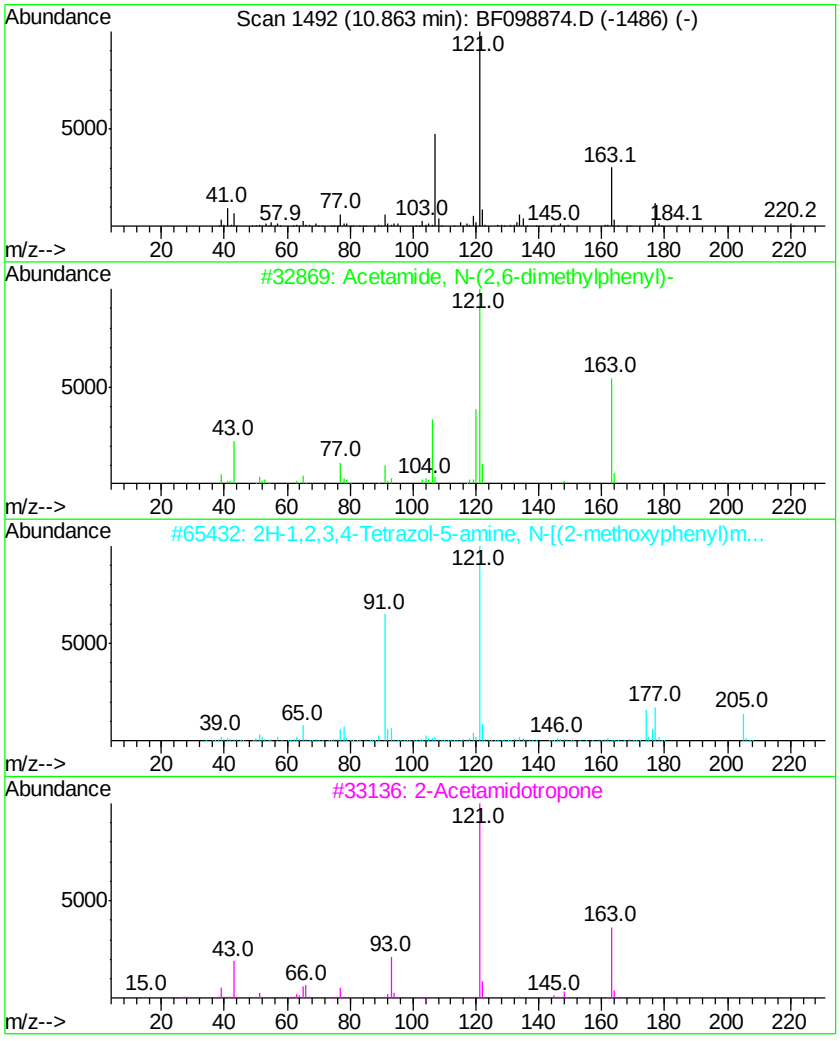
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

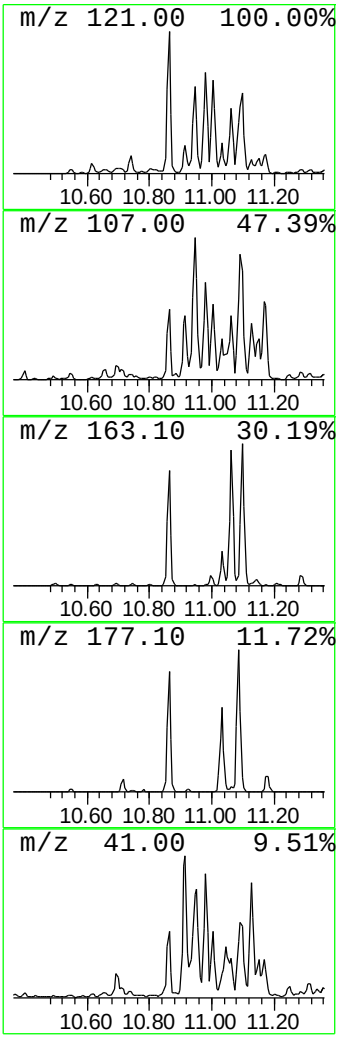
****

Peak Number 4 Acetamide, N-(2,6-dimethylp... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	15.00 ng	683710	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(2,6-dimethylphenyl)-	163	C10H13NO	002198-53-0	50
2	2H-1,2,3,4-Tetrazol-5-amine, N-[...	205	C9H11N5O	1000337-56-1	47
3	2-Acetamidotropone	163	C9H9NO2	006422-12-4	47
4	2-Propanone, 1-(4-methoxyphenyl)-	164	C10H12O2	000122-84-9	43
5	N-Allyl-p-hydroxybenzamide	177	C10H11NO2	090921-72-5	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
Data File : BF098874.D
Acq On : 27 Sep 2017 20:35
Operator : SJ/JU
Sample : I5444-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

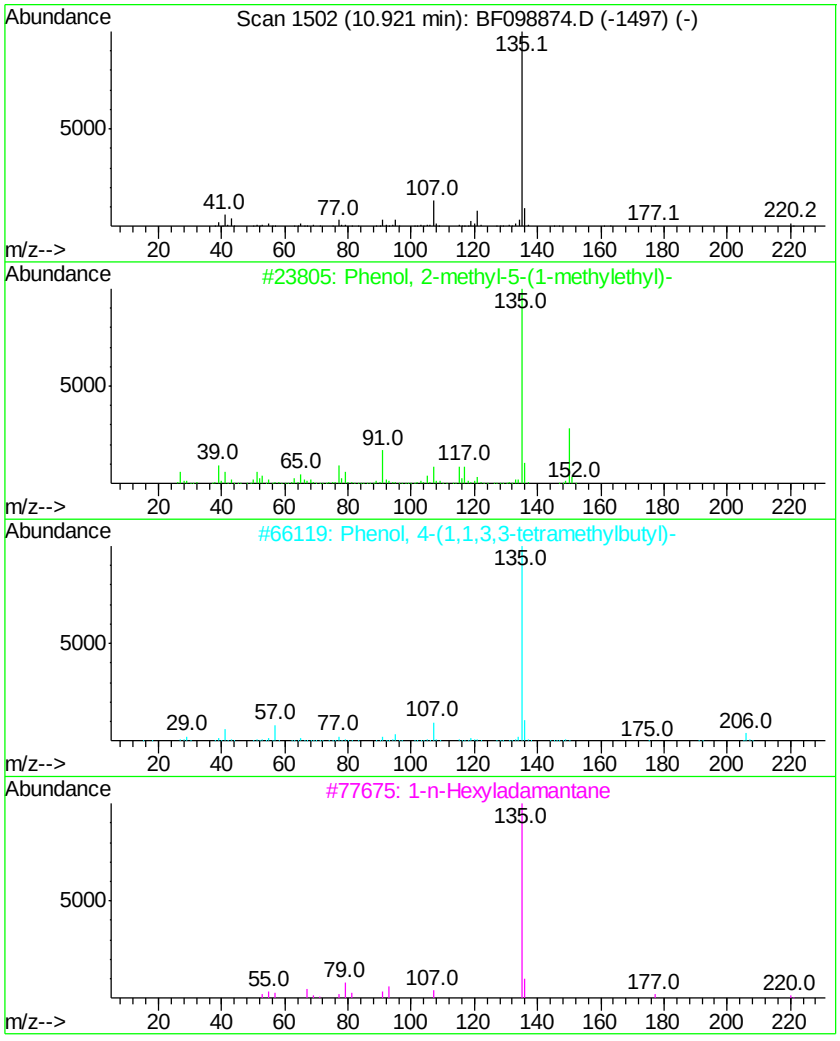
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

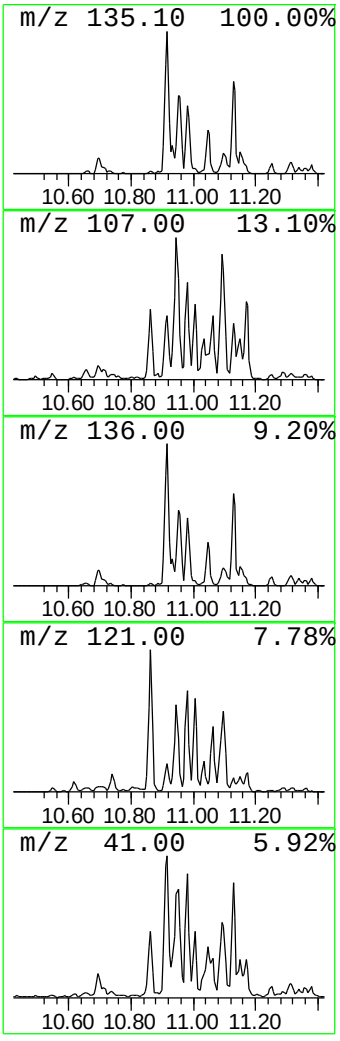
****

Peak Number 5 Phenol, 2-methyl-5-(1-methy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	30.18 ng	1375250	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	78
2	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	78
3	1-n-Hexyladamantane	220	C16H28	022458-75-9	59
4	1-Adamantanecarboxylic acid, 4-n...	301	C17H19NO4	1000307-66-5	59
5	1-Adamantanecarboxylic acid, 3,4...	324	C17H18Cl2O2	1000307-66-4	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
Data File : BF098874.D
Acq On : 27 Sep 2017 20:35
Operator : SJ/JU
Sample : I5444-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

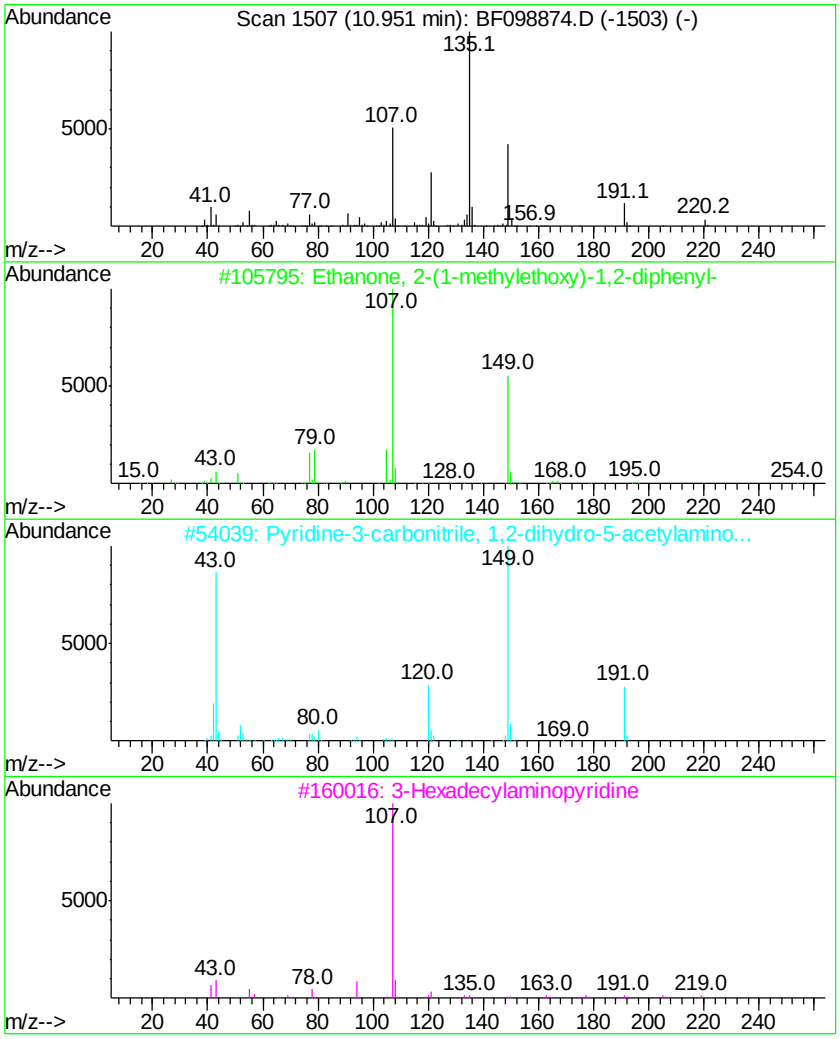
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

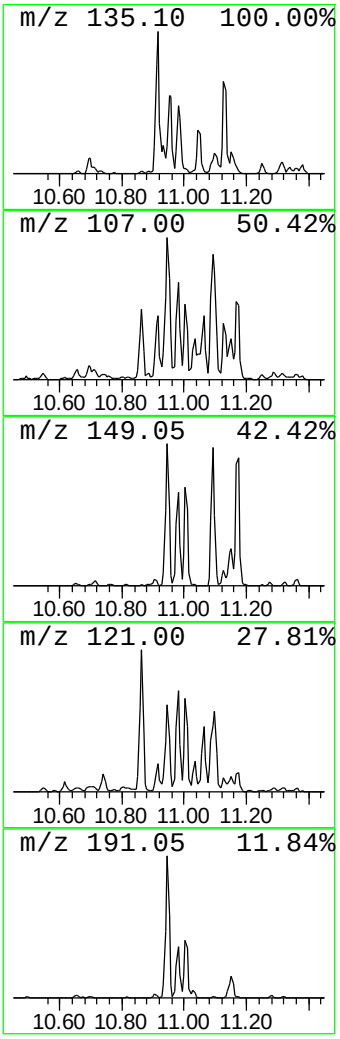
****

Peak Number 6 unknown10.95 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	41.64 ng	1897490	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 2-(1-methylethoxy)-1,2...	254	C17H18O2	006652-28-4	42
2	Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	38
3	3-Hexadecylaminopyridine	318	C21H38N2	067373-98-2	35
4	Phenol, 2-methyl-4-(1,1,3,3-tetr...	220	C15H24O	002219-84-3	35
5	Phthalic acid, butyl 3-methoxybe...	342	C20H22O5	1000377-97-7	35





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Acq On : 27 Sep 2017 20:35
Operator : SJ/JU
Sample : I5444-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

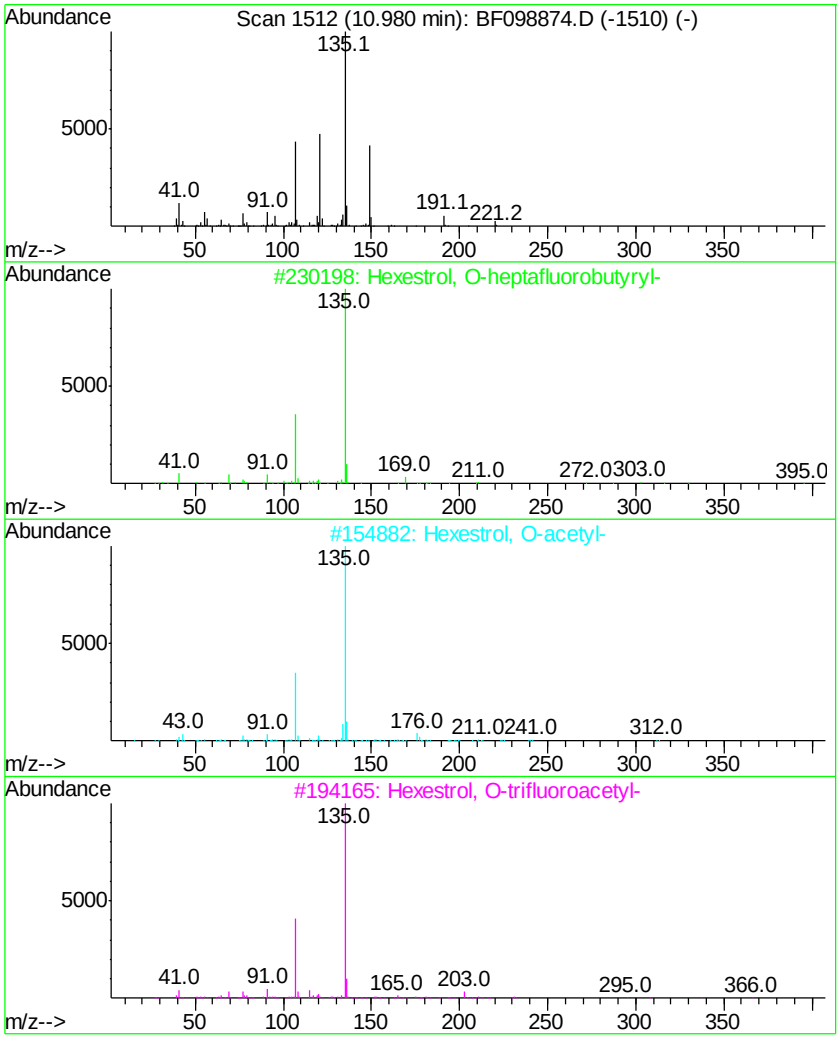
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

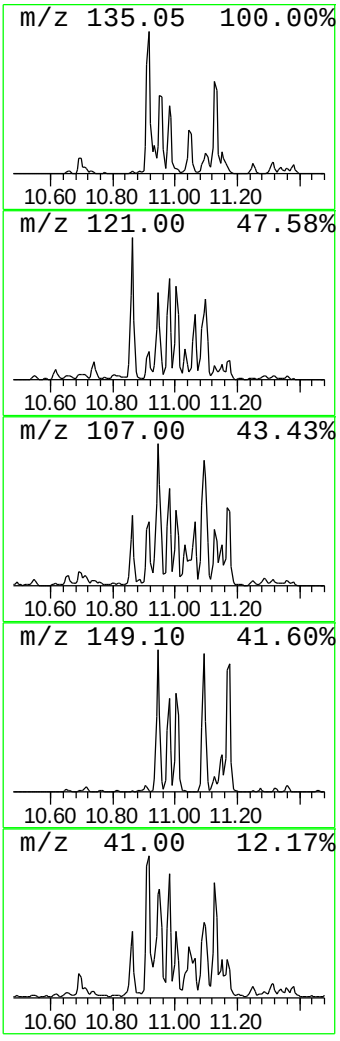
****

Peak Number 7 Hexestrol, O-heptafluorobut... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	25.92 ng	1181440	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexestrol, O-heptafluorobutyryl-	466	C22H21F7O3	1000365-31-9	50
2	Hexestrol, O-acetyl-	312	C20H24O3	1000374-87-8	50
3	Hexestrol, O-trifluoroacetyl-	366	C20H21F3O3	1000365-31-7	50
4	Hexestrol	270	C18H22O2	005635-50-7	50
5	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	50





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

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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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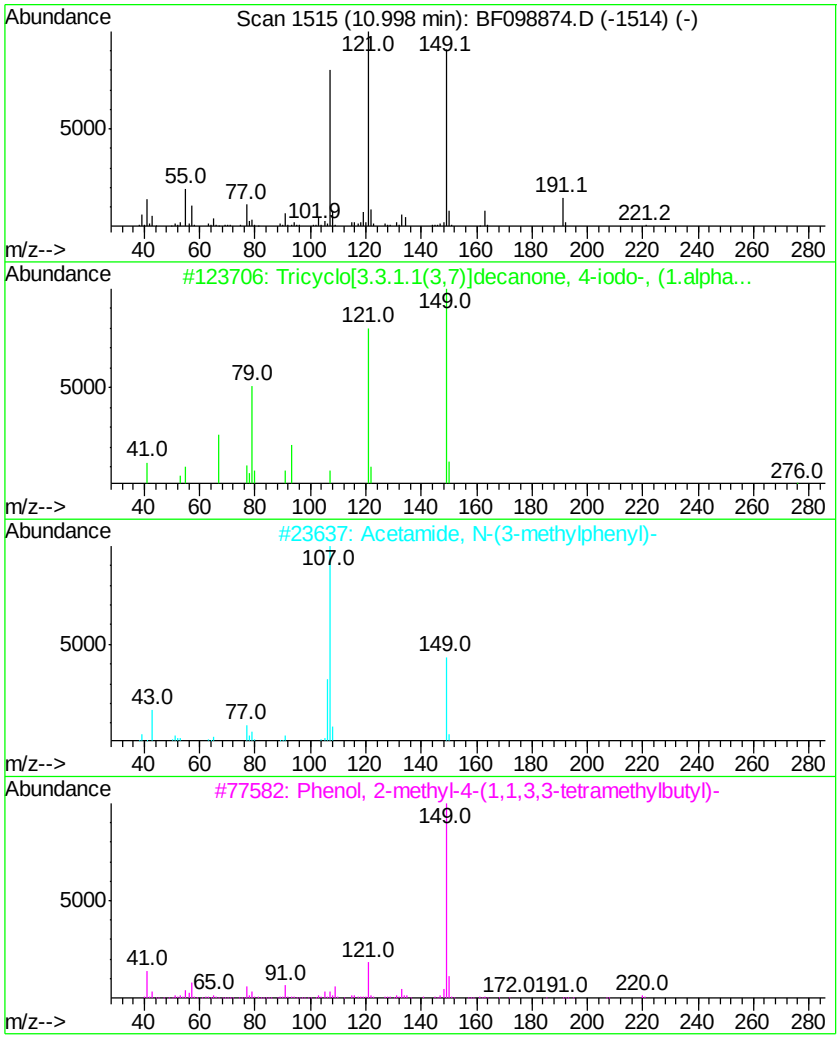
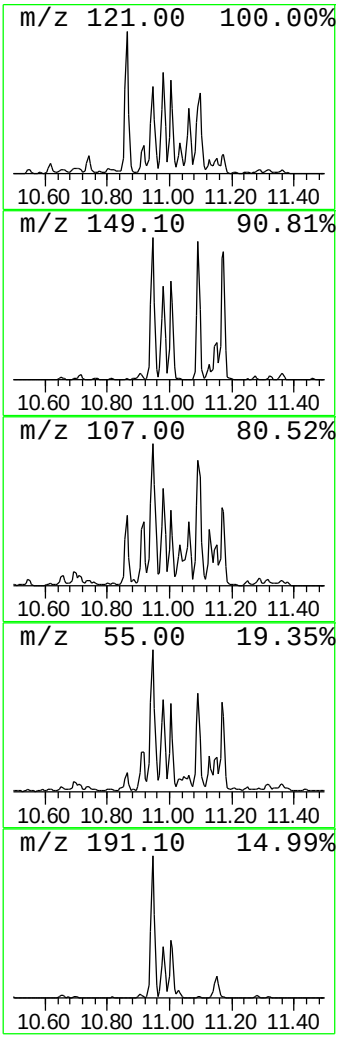
Peak Number 8 Tricyclo[3.3.1.1(3,7)]decan... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	16.42 ng	748369	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[3.3.1.1(3,7)]decanone, ...	276	C10H13IO	056781-85-2	59
2	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	43
3	Phenol, 2-methyl-4-(1,1,3,3-tetr...	220	C15H24O	002219-84-3	41
4	Phthalic acid, hept-4-yl propyl ...	306	C18H26O4	1000356-78-2	35
5	Phthalic acid, propyl tridec-2-y...	386	C24H34O4	1000315-43-6	35





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

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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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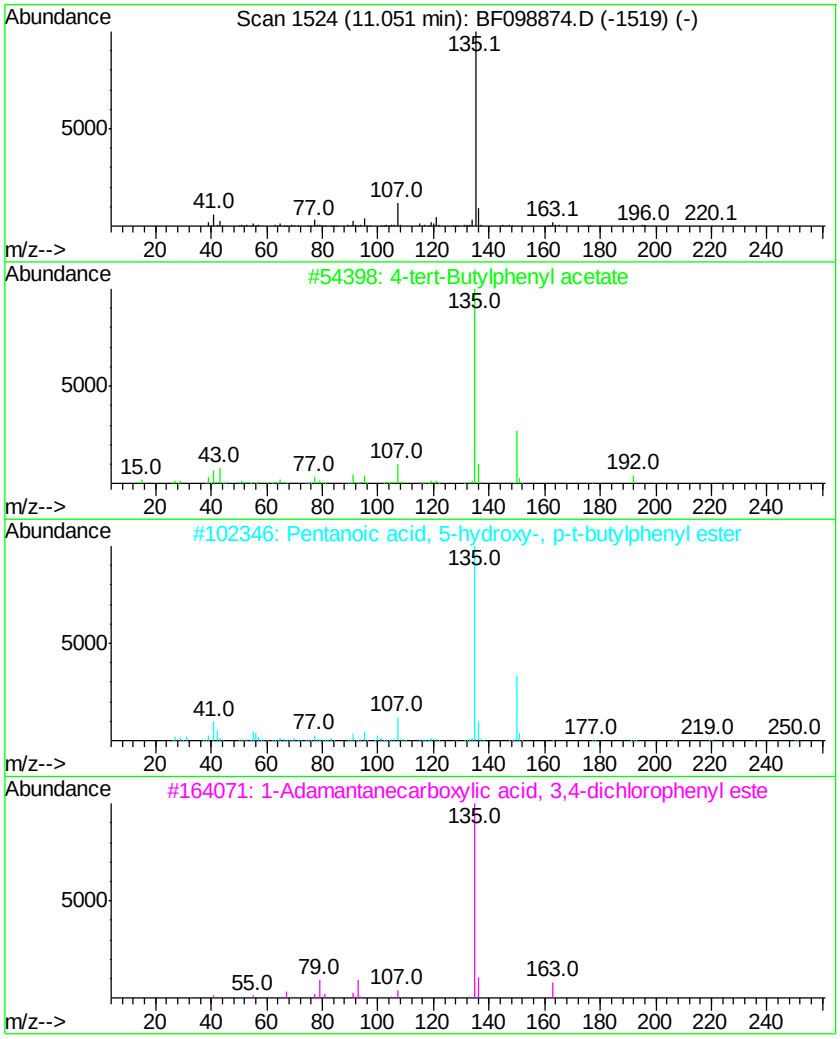
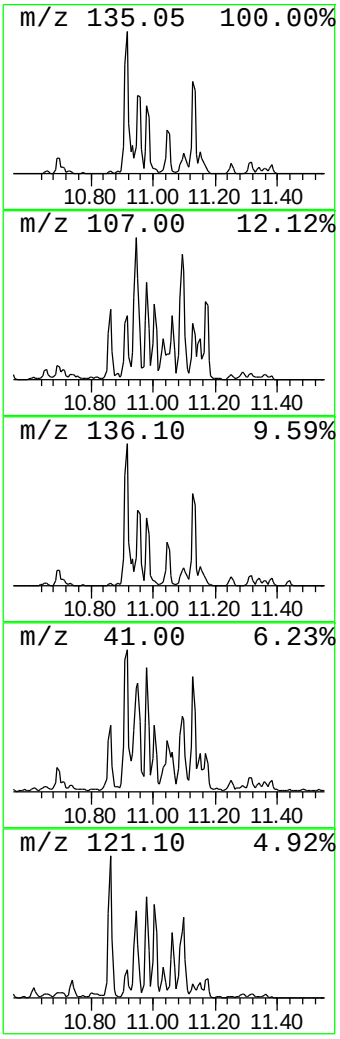
Peak Number 9 4-tert-Butylphenyl acetate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	17.25 ng	786298	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	64
2	Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	64
3	1-Adamantanecarboxylic acid, 3,4...	324	C17H18Cl2O2	1000307-66-4	50
4	Hexestrol	270	C18H22O2	000084-16-2	50
5	1,3-Benzenediol, o-(2-furoyl)-o'...	338	C19H14O6	1000330-77-5	50





Library Search Compound Report

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Data File : BF098874.D
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Operator : SJ/JU
Sample : I5444-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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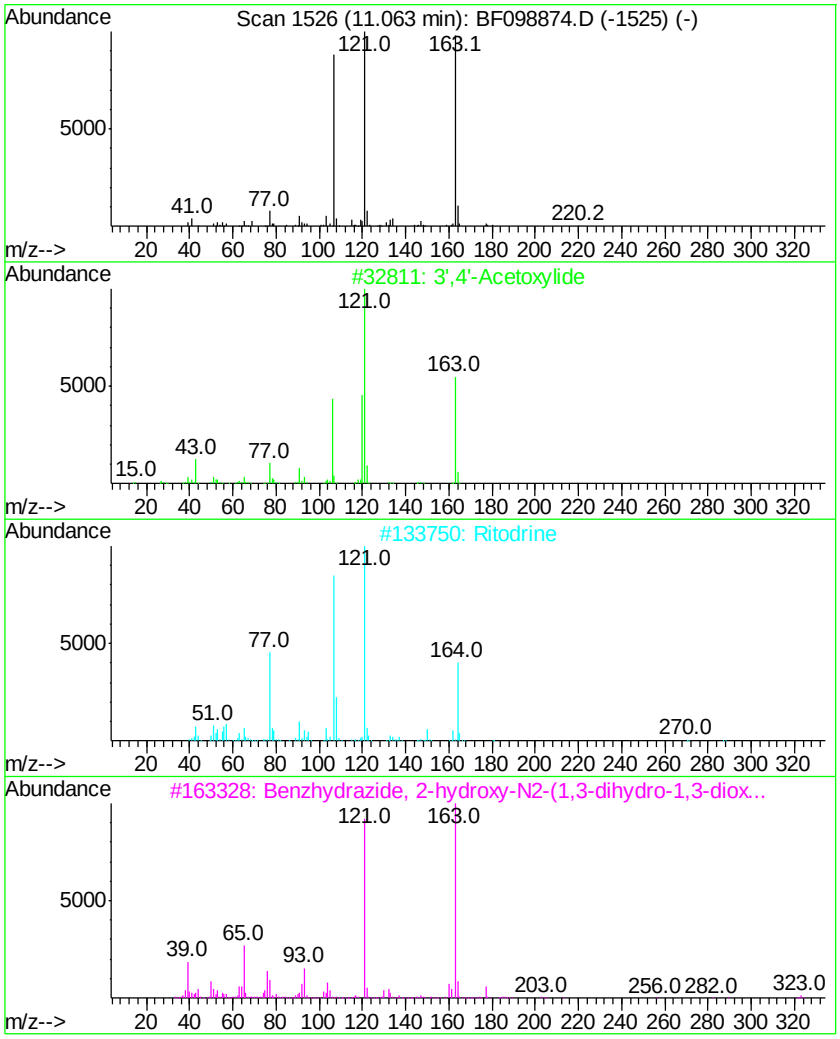
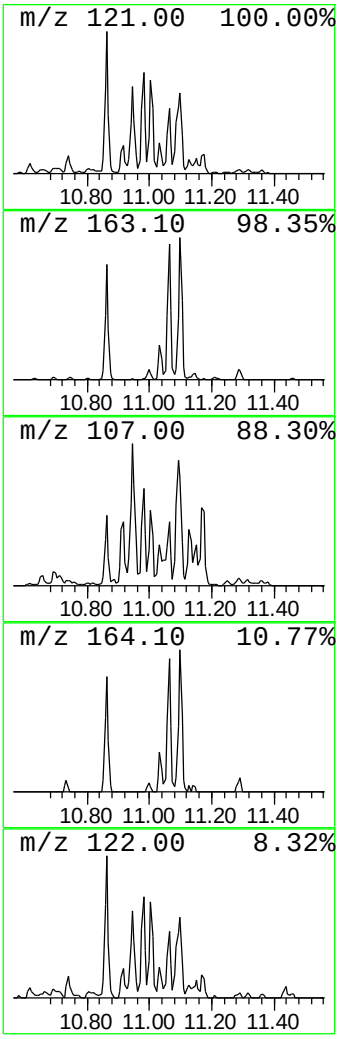
Peak Number 10 3',4'-Acetoxylide Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	6.82 ng	310617	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3',4'-Acetoxylide	163	C10H13NO	002198-54-1	50
2	Ritodrine	287	C17H21NO3	026652-09-5	50
3	Benzhydrazide, 2-hydroxy-N2-(1,3...	323	C17H13N3O4	1000265-07-6	38
4	Phenol, 4-pentyl-	164	C11H16O	014938-35-3	25
5	Pyrido[2,3-d]pyridazine-5(6H)-th...	163	C7H5N3S	015370-85-1	22





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Operator : SJ/JU
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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

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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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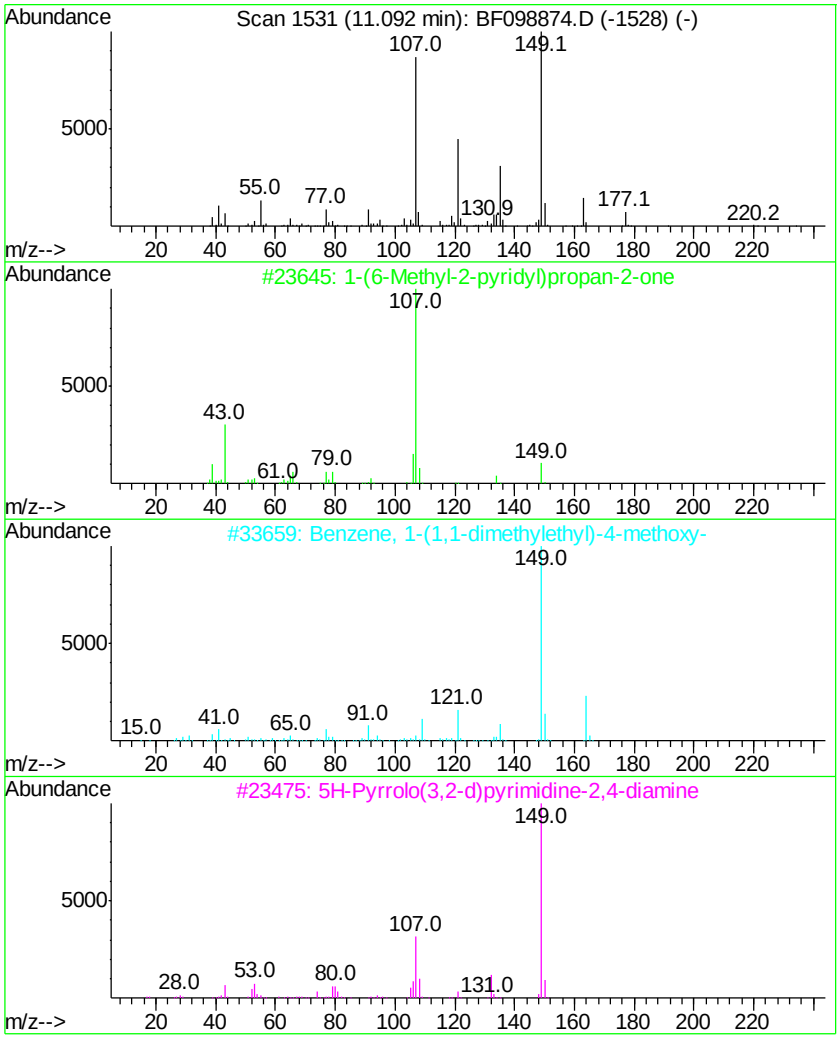
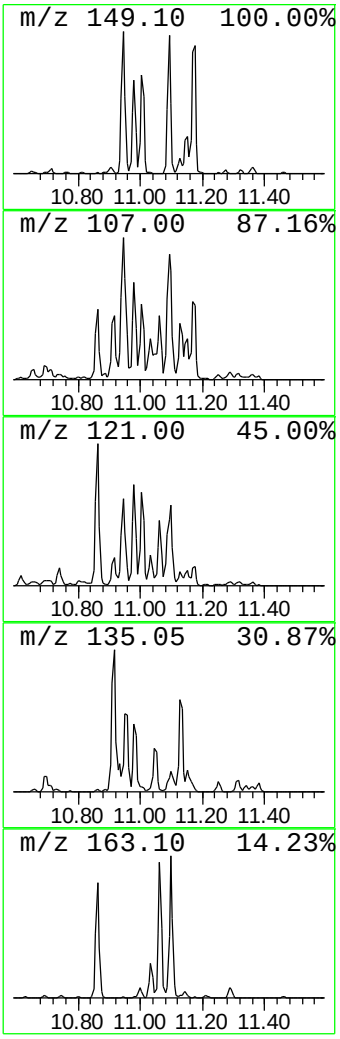
Peak Number 11 1-(6-Methyl-2-pyridyl)propa... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	30.64 ng	1396180	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(6-Methyl-2-pyridyl)propan-2-one	149	C9H11NO	065702-08-1	53
2	Benzene, 1-(1,1-dimethylethyl)-4...	164	C11H16O	005396-38-3	43
3	5H-Pyrrolo(3,2-d)pyrimidine-2,4-...	149	C6H7N5	1000244-21-4	38
4	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	35
5	Phenol, 4-butyl-	150	C10H14O	001638-22-8	30





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Acq On : 27 Sep 2017 20:35
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Misc :
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Instrument : BNA_F
ClientSampleId : BU-02-092617

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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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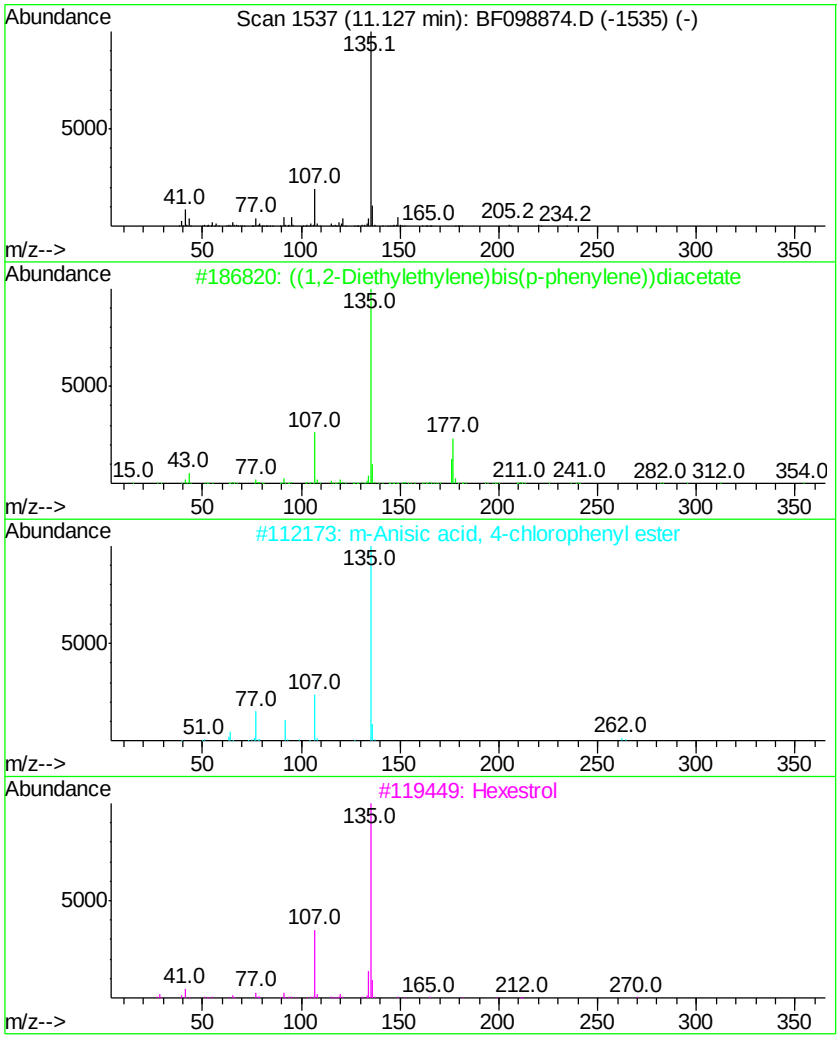
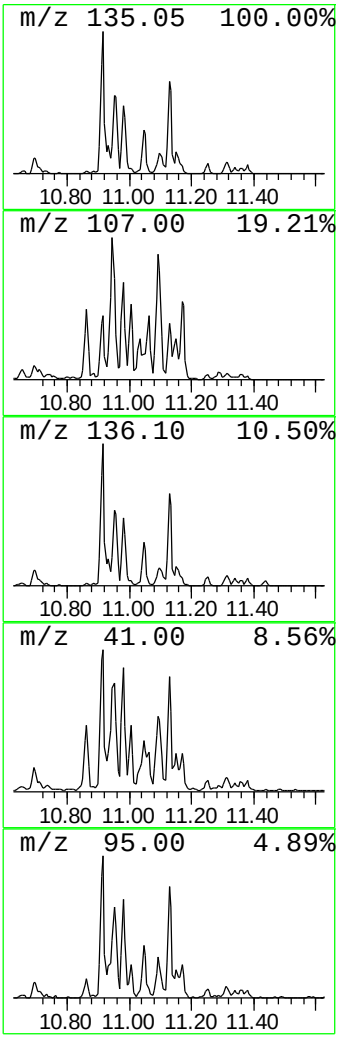
Peak Number 12 ((1,2-Diethylethylene)bis(p... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	20.20 ng	920540	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	((1,2-Diethylethylene)bis(p-phen...	354	C22H26O4	004547-76-6	72
2	m-Anisic acid, 4-chlorophenyl ester	262	C14H11ClO3	1000307-79-9	64
3	Hexestrol	270	C18H22O2	000084-16-2	64
4	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	64
5	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	64





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Misc :
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Instrument : BNA_F
ClientSampleId : BU-02-092617

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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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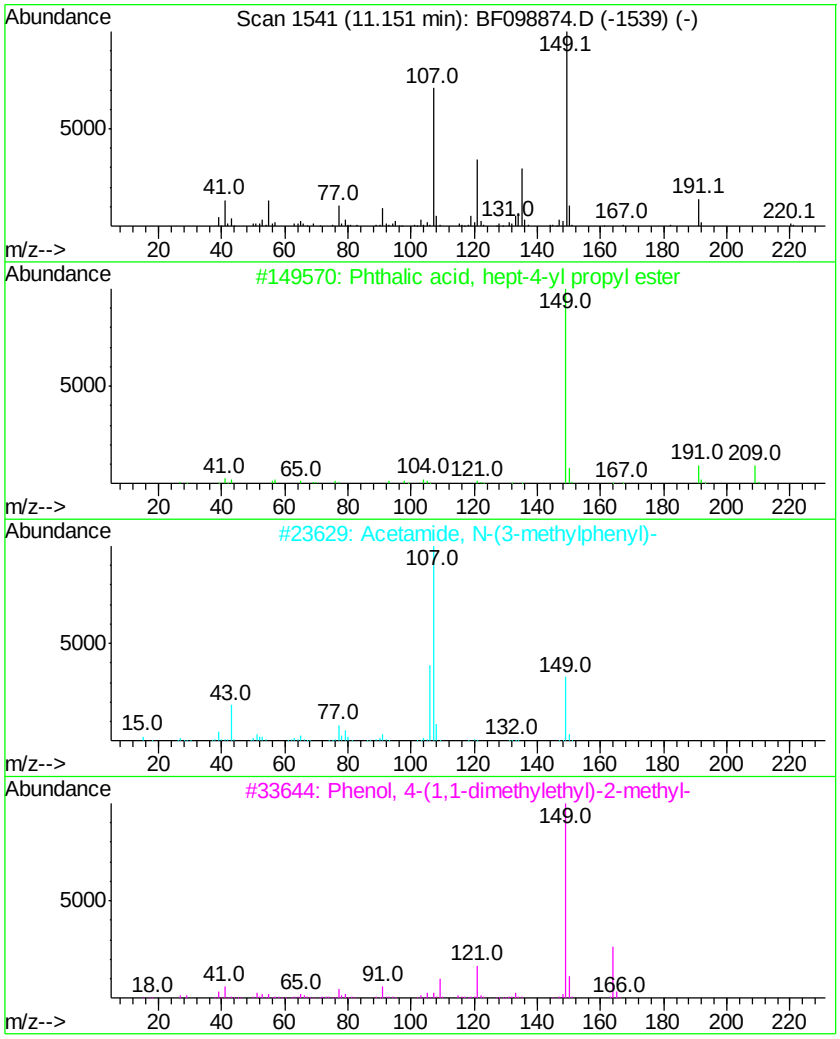
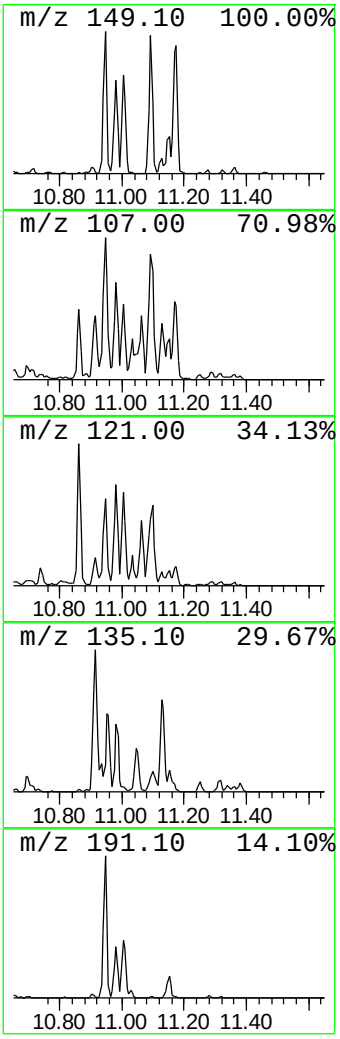
Peak Number 13 unknown11.15 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	8.48 ng	386415	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, hept-4-yl propyl ...	306	C18H26O4	1000356-78-2	43
2	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	43
3	Phenol, 4-(1,1-dimethylethyl)-2-...	164	C11H16O	000098-27-1	43
4	4-Hydroxyphenylpyruvic acid, met...	208	C11H12O4	1000332-83-9	43
5	Phthalic acid, 4-octyl propyl ester	320	C19H28O4	1000314-83-7	43





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
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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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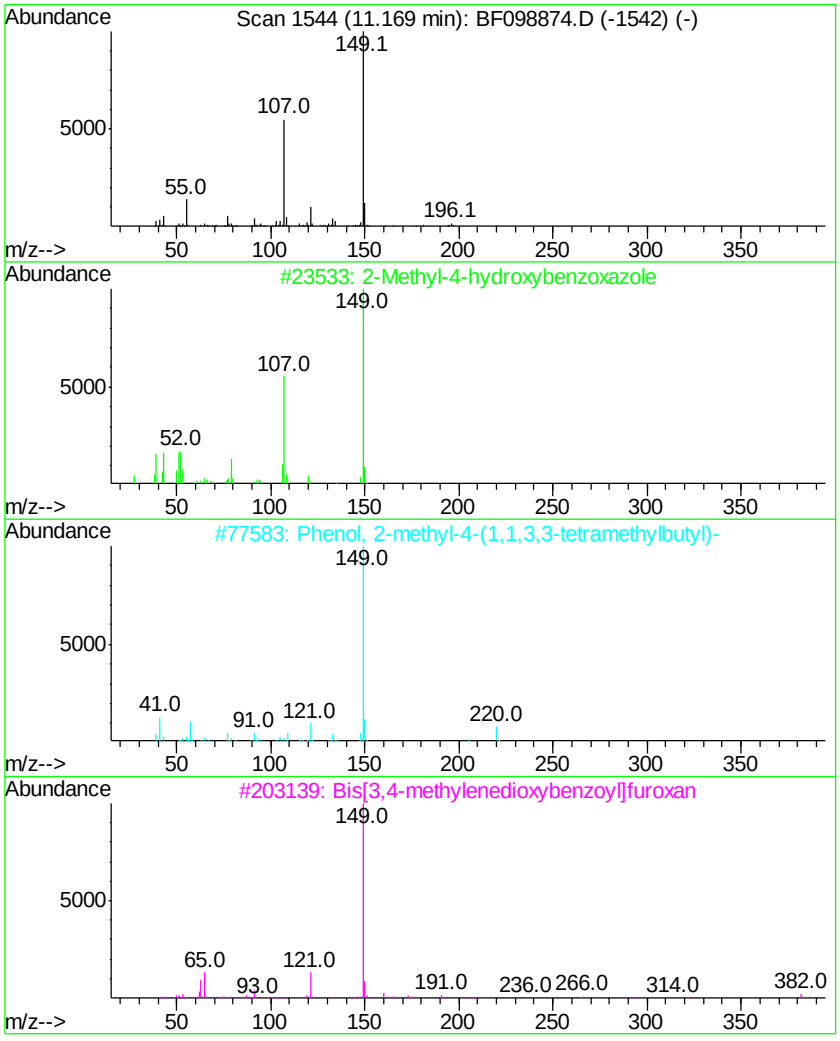
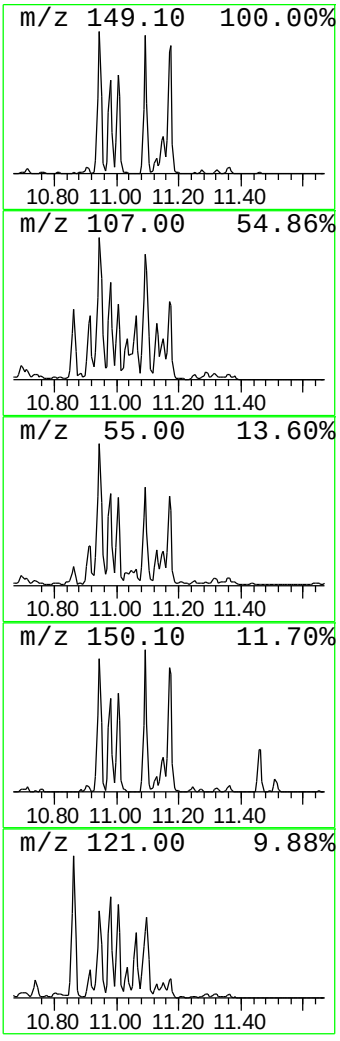
Peak Number 14 2-Methyl-4-hydroxybenzoxazole Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	14.73 ng	671200	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	72
2	Phenol, 2-methyl-4-(1,1,3,3-tetr...	220	C15H24O	002219-84-3	50
3	Bis[3,4-methylenedioxybenzoyl]fu...	382	C18H10N2O8	240142-32-9	47
4	Benzene, 1-(1,1-dimethylethyl)-4...	164	C11H16O	005396-38-3	40
5	4-Hydroxyphenylpyruvic acid, met...	208	C11H12O4	1000332-83-9	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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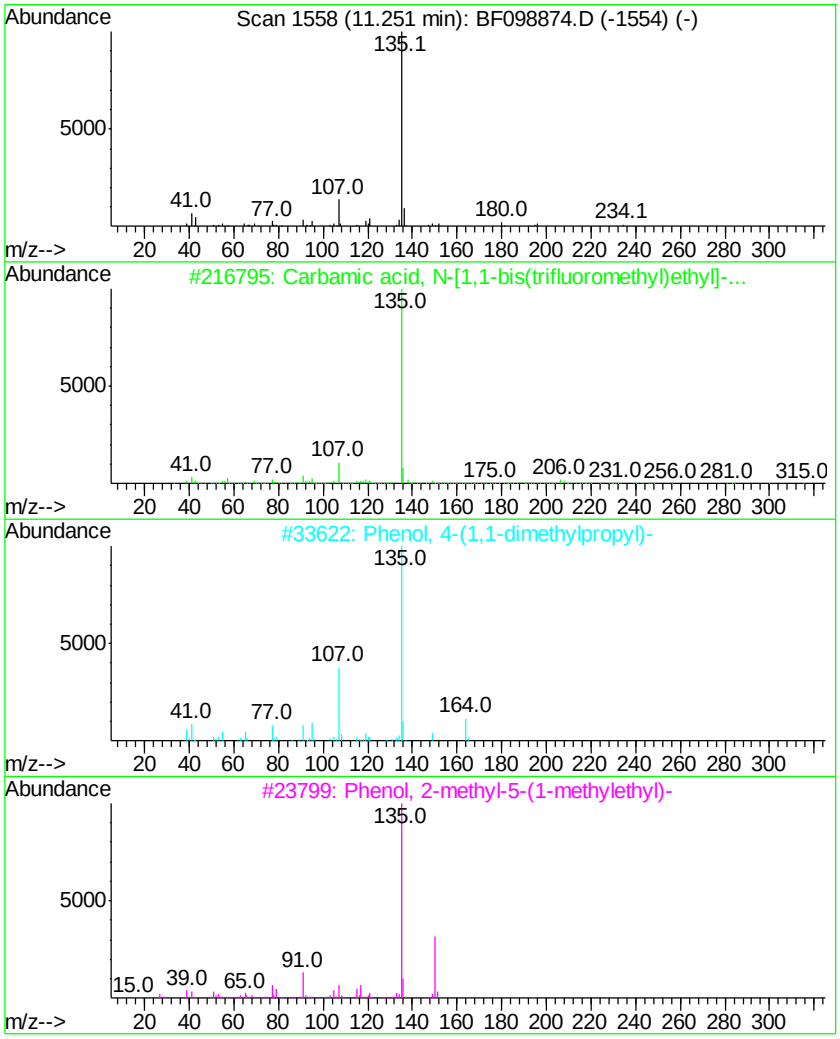
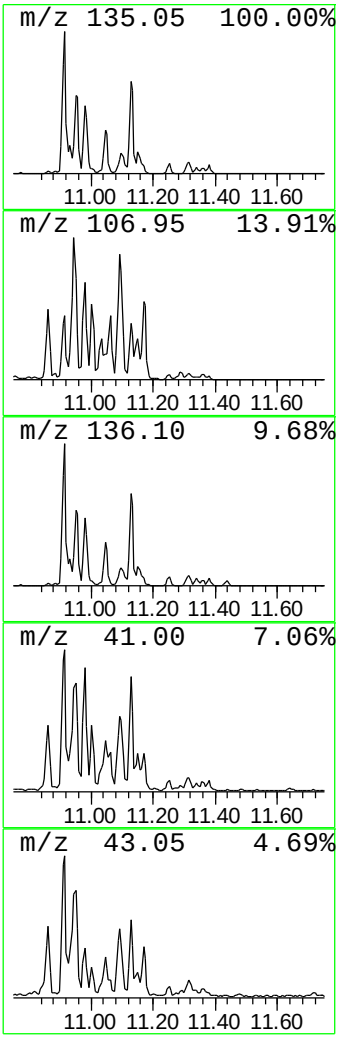
Peak Number 15 Carbamic acid, N-[1,1-bis(t... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	2.18 ng	99508	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbamic acid, N-[1,1-bis(triflu...	413	C19H25F6NO2	296242-69-8	72
2	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	72
3	Phenol, 2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	72
4	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	72
5	o-Anisic acid, 2,6-dimethylnon-1...	300	C19H24O3	1000292-57-7	64





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ClientSampleId : BU-02-092617

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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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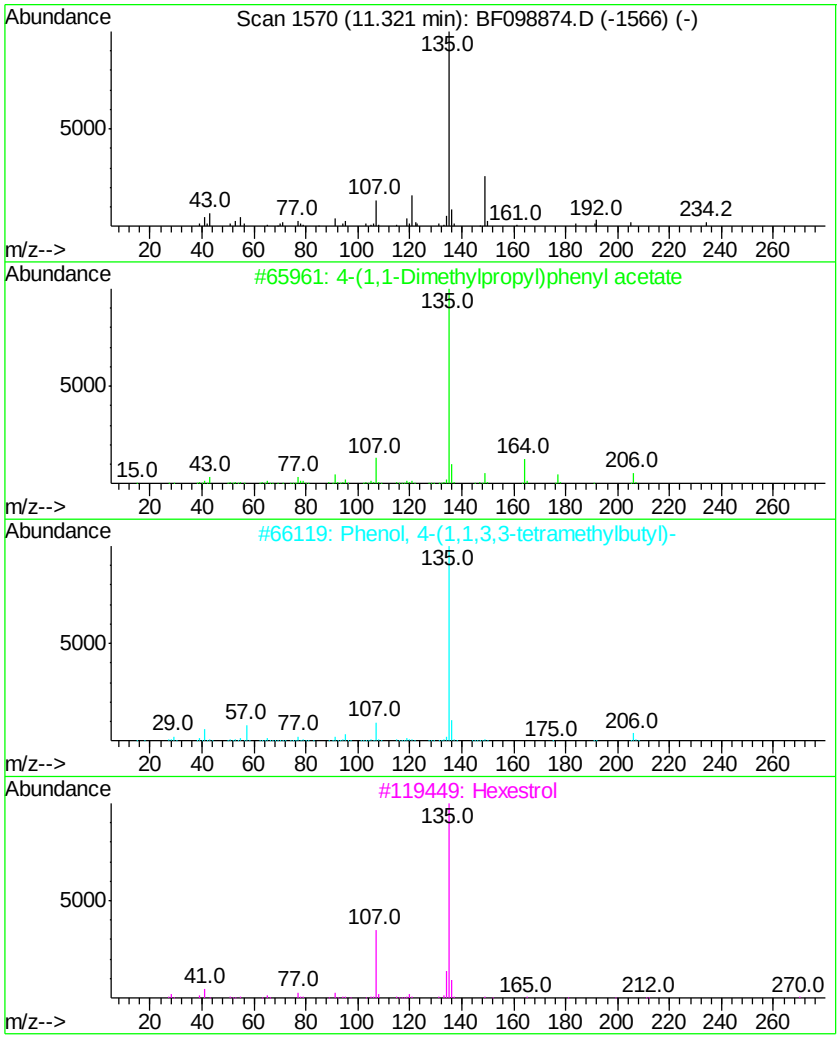
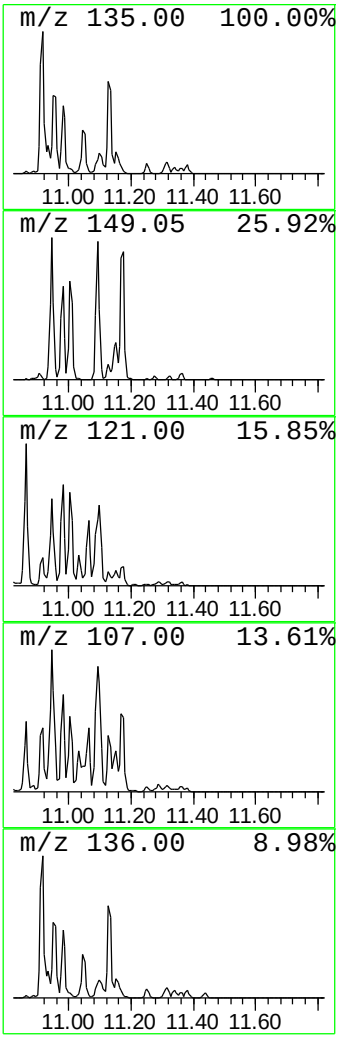
Peak Number 16 4-(1,1-Dimethylpropyl)pheny... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	3.22 ng	146597	Phenanthrene-d10	11.44

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	72
3	Hexestrol	270	C18H22O2	000084-16-2	64
4	Pentandioic acid, (p-t-butylphen...	264	C15H20O4	212762-88-4	64
5	Benzamide, 2-methoxy-N-allyl-	191	C11H13NO2	1000339-10-5	53





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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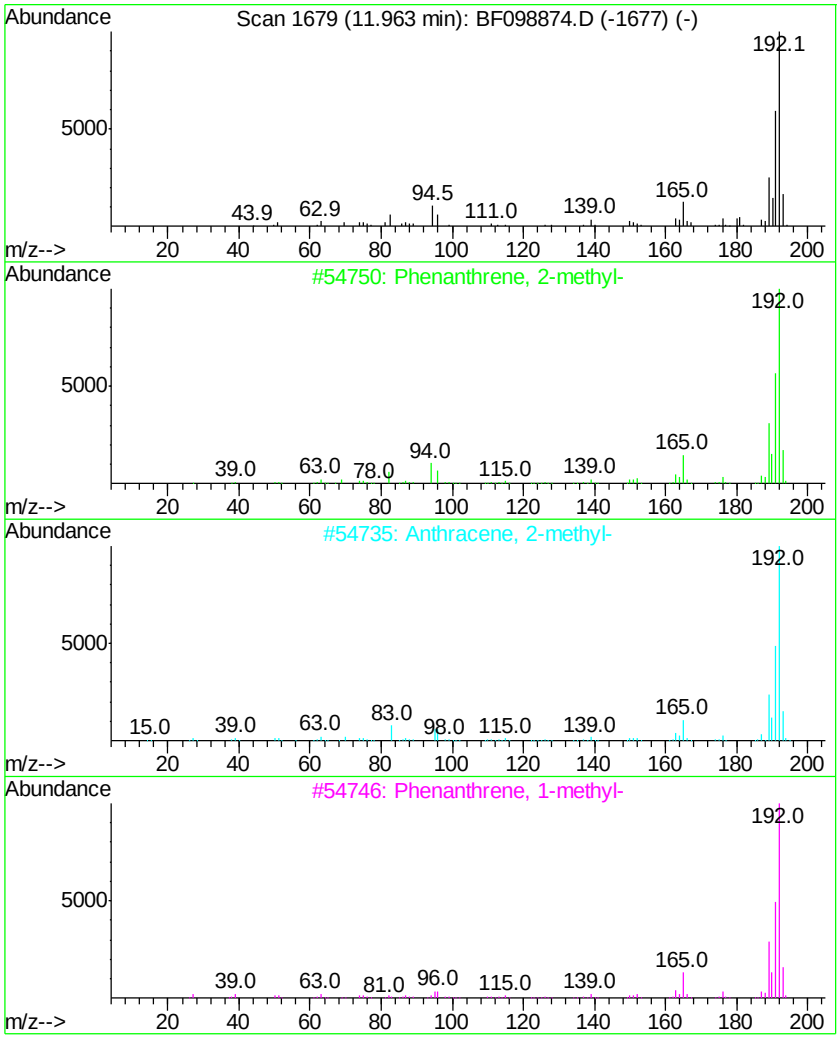
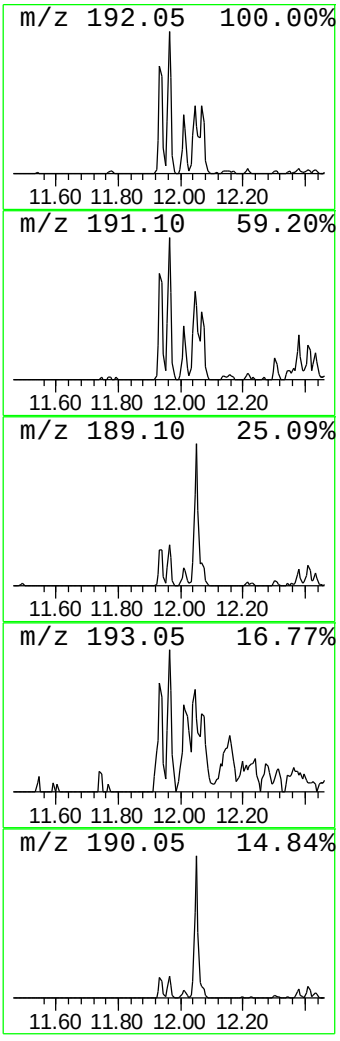
Peak Number 17 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.04 ng	92991	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Data File : BF098874.D
Acq On : 27 Sep 2017 20:35
Operator : SJ/JU
Sample : I5444-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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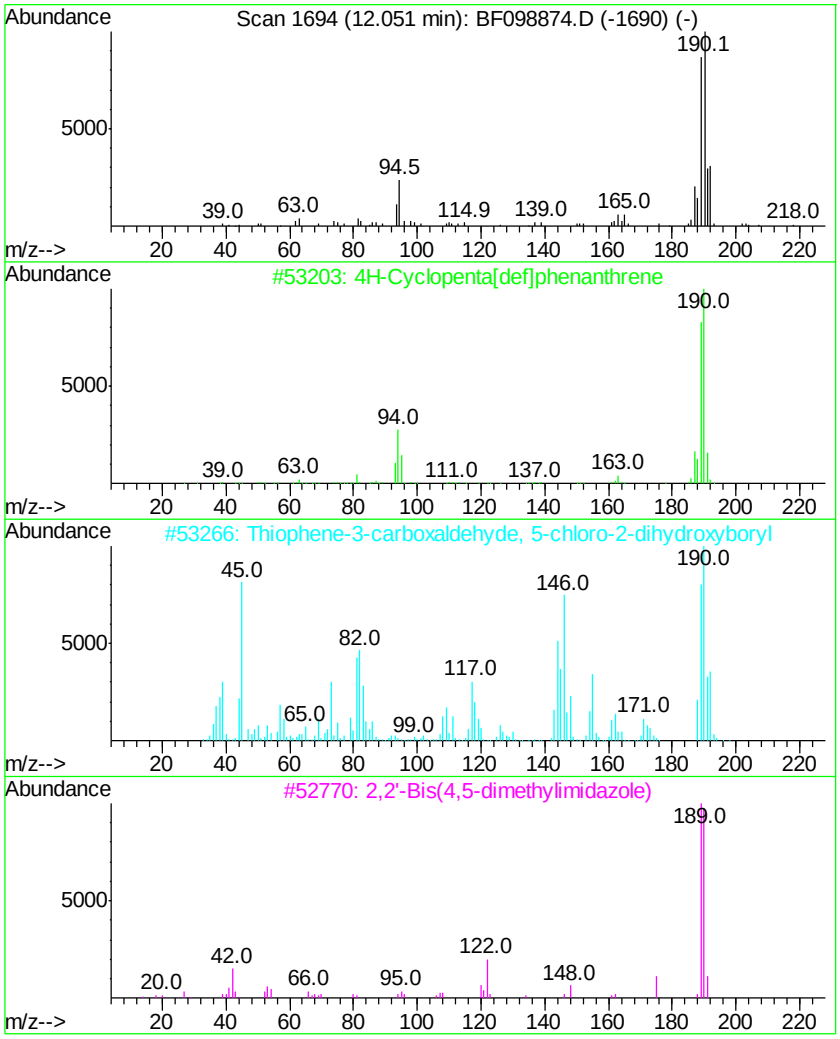
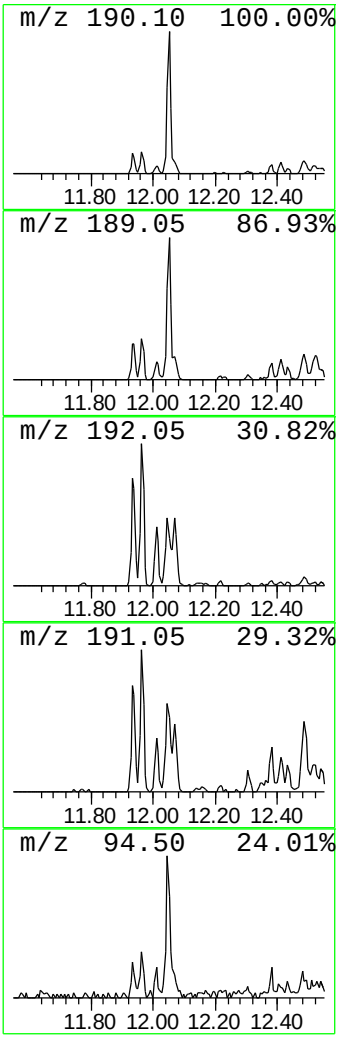
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	2.97 ng	135243	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	33
5	Benzo[1,2-b:4,3-b']dithiophene	190	C10H6S2	000210-80-0	27





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Data File : BF098874.D
Acq On : 27 Sep 2017 20:35
Operator : SJ/JU
Sample : I5444-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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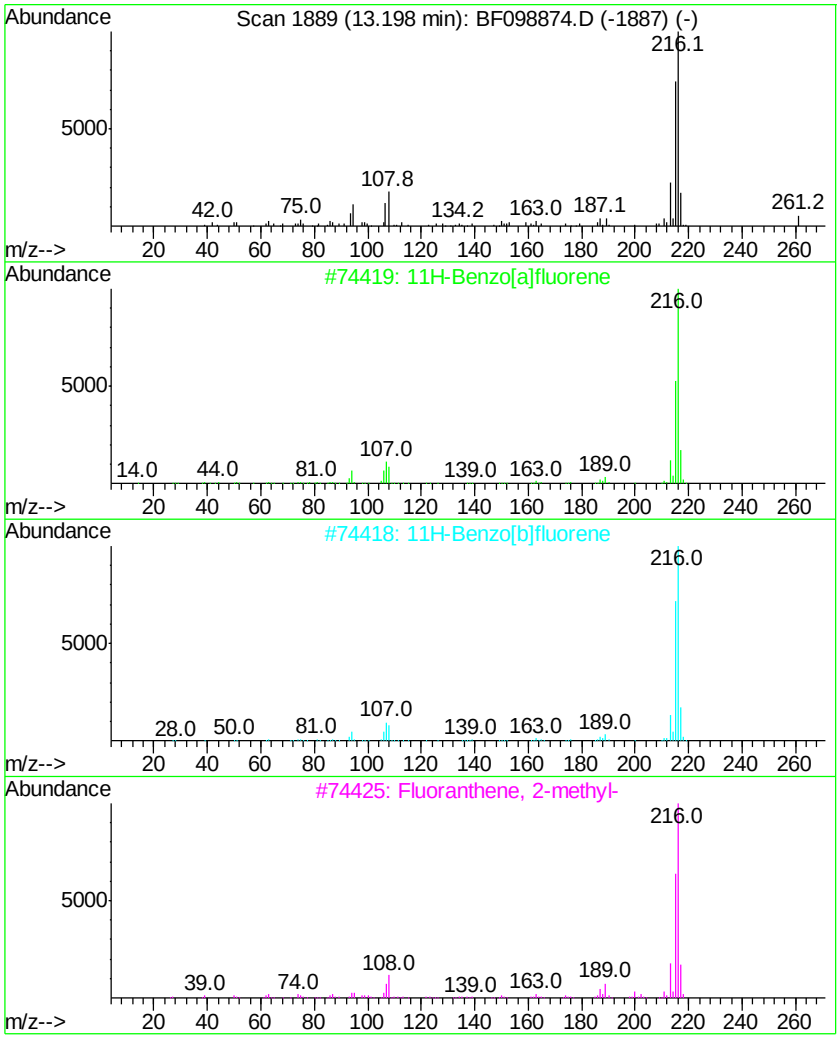
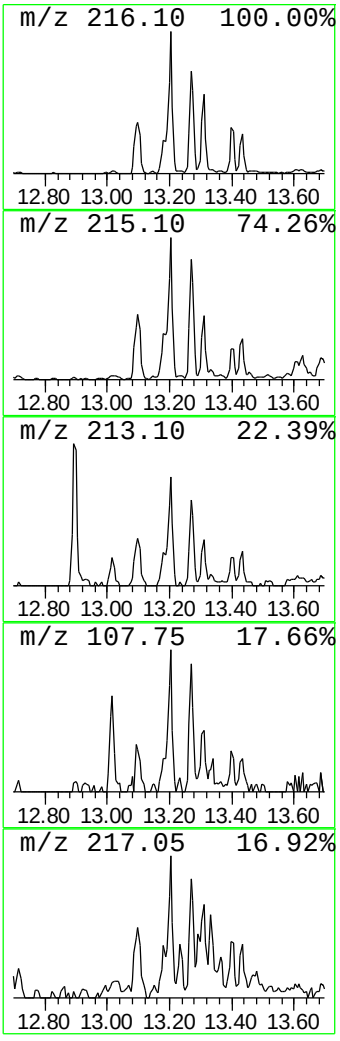
Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.04 ng	144590	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	4-Hydroxy-6-methyl-1-pyridin-3-y...	216	C12H12N2O2	1000318-25-3	80
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	80





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Data File : BF098874.D
Acq On : 27 Sep 2017 20:35
Operator : SJ/JU
Sample : I5444-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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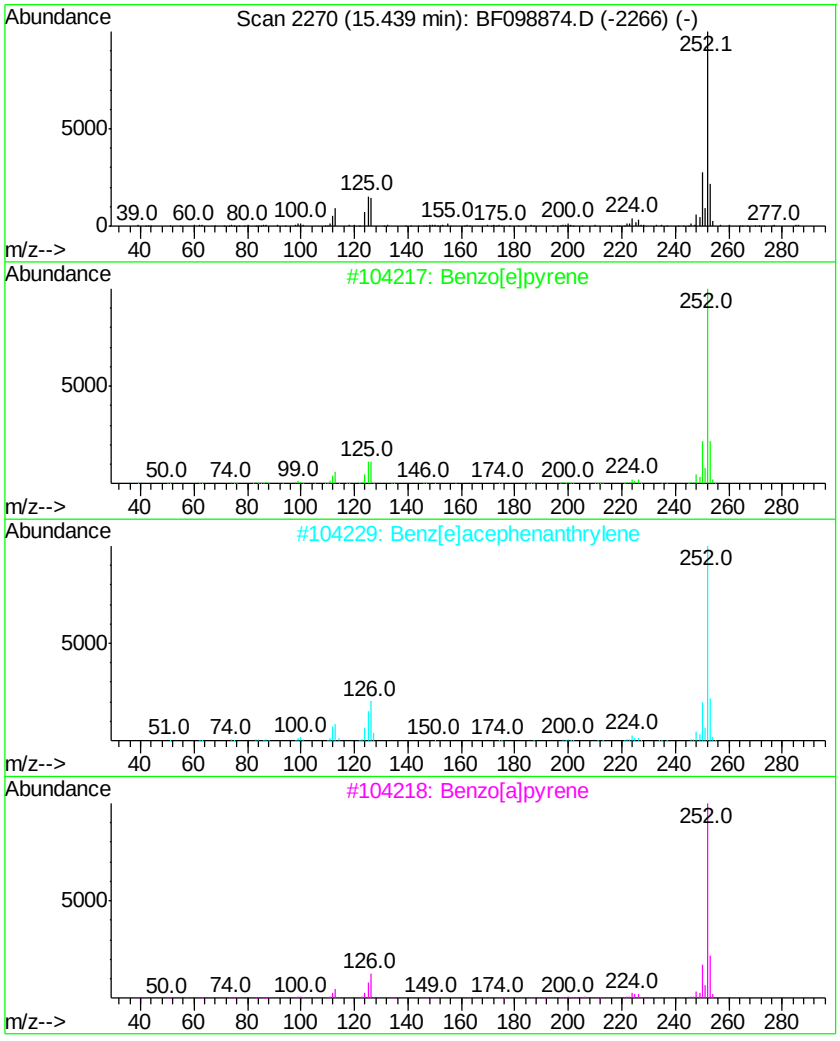
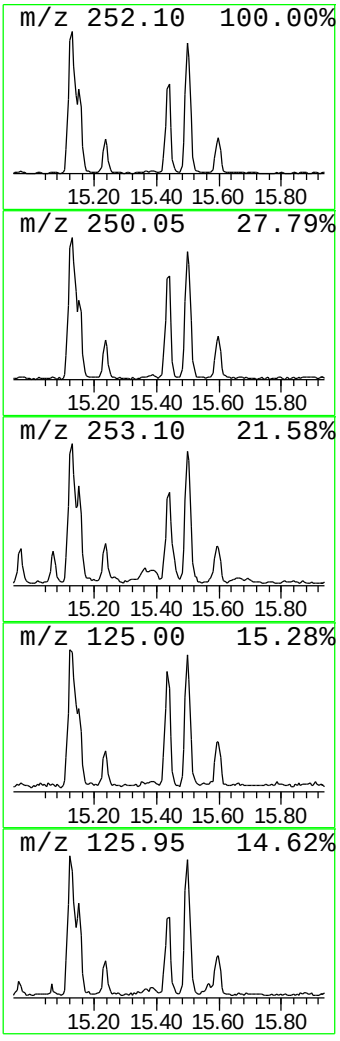
Peak Number 20 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	6.82 ng	272119	Perylene-d12	15.57

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	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092717\
Data File : BF098874.D
Acq On : 27 Sep 2017 20:35
Operator : SJ/JU
Sample : I5444-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-092617

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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
2-Pentanone, 4-hy...	5.12	2.5	ng	95597	1	6.91	776349	20.0
unknown6.67	6.67	16.8	ng	651287	1	6.91	776349	20.0
Acetamide, N-(2,6...	10.86	15.0	ng	683710	4	11.44	911440	20.0
Phenol, 2-methyl-...	10.92	30.2	ng	1375250	4	11.44	911440	20.0
unknown10.95	10.95	41.6	ng	1897490	4	11.44	911440	20.0
Hexestrol, O-hept...	10.98	25.9	ng	1181440	4	11.44	911440	20.0
Tricyclo[3.3.1.1(...	11.00	16.4	ng	748369	4	11.44	911440	20.0
4-tert-Butylpheny...	11.05	17.3	ng	786298	4	11.44	911440	20.0
3',4'-Acetoxylide	11.06	6.8	ng	310617	4	11.44	911440	20.0
1-(6-Methyl-2-pyr...	11.09	30.6	ng	1396180	4	11.44	911440	20.0
((1,2-Diethylethy...	11.13	20.2	ng	920540	4	11.44	911440	20.0
unknown11.15	11.15	8.5	ng	386415	4	11.44	911440	20.0
2-Methyl-4-hydrox...	11.17	14.7	ng	671200	4	11.44	911440	20.0
Carbamic acid, N-...	11.25	2.2	ng	99508	4	11.44	911440	20.0
4-(1,1-Dimethylpr...	11.32	3.2	ng	146597	4	11.44	911440	20.0
Phenanthrene, 2-m...	11.96	2.0	ng	92991	4	11.44	911440	20.0
4H-Cyclopenta[def...	12.05	3.0	ng	135243	4	11.44	911440	20.0
11H-Benzo[a]fluorene	13.20	2.0	ng	144590	5	14.07	1416730	20.0
Benzo[e]pyrene	15.44	6.8	ng	272119	6	15.57	797728	20.0