LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

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-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.334	547	552	555	rVB	3276909	3393867	24.15%	1.275%
2	6.369	722	728	732	rBV	2935792	3696492	26.31%	1.389%
3	6.492	744	749	752	rBV	3589411	3458968	24.62%	1.300%
4	6.722	784	788	791	rBV	1126706	1011722	7.20%	0.380%
5	6.875	809	814	817	rVV	2313733	2057638	14.64%	0.773%
6	6.981	828	832	837	rBV	1465122	1397940	9.95%	0.525%
7	7.286	880	884	887	rVB	2110827	2166062	15.41%	0.814%
8	7.751	959	963	966	rVV3	987550	1322295	9.41%	0.497%
9	7.786	966	969	974	rVV	630246	974911	6.94%	0.366%
10	8.045	1000	1013	1015	rVV2	6850677	12409032	88.31%	4.663%
11	8.428	1075	1078	1082	rBV3	663070	835293	5.94%	0.314%
12	8.728	1124	1129	1131	rVB	4096948	4330510	30.82%	1.627%
13	8.828	1140	1146	1149	rVV	5466400	7511116	53.45%	2.823%
14	9.027	1177	1180	1183	rVB	857811	716580	5.10%	0.269%
15	9.080	1183	1189	1192	rBV	2348045	2151807	15.31%	0.809%
16	9.186	1199	1207	1210	rBV	3211768	3399792	24.19%	1.278%
17	9.280	1216	1223	1229	rVB	1716800	2670151	19.00%	1.003%
18	9.351	1229	1235	1238	rBV2	2911426	4428907	31.52%	1.664%
19	9.427	1243	1248	1250	rVV	3806231	5131176	36.52%	1.928%
20	9.451	1250	1252	1255	rVV	2769704	2782014	19.80%	1.046%
21	9.486	1256	1258	1261	rVB2	2049284	1729736	12.31%	0.650%
22	9.545	1264	1268	1274	rVB	2441921	3385452	24.09%	1.272%
23	9.639	1277	1284	1286	rBV2	5666830	8457585	60.19%	3.178%
24	9.745	1298	1302	1304	rBV	1829252	2195369	15.62%	0.825%
25	9.798	1307	1311	1314	rBV	3805722	4038418	28.74%	1.518%
26	9.869	1319	1323	1327	rBV	1074599	1368371	9.74%	0.514%
27	9.910	1327	1330	1333	rBV3	523628	743010	5.29%	0.279%
28	9.963	1336	1339	1343	rVB	2331646	2436301	17.34%	0.916%
29	10.004	1343	1346	1351	rBV	1600262	1430960	10.18%	0.538%
30	10.080	1354	1359	1361	rBV2	1755874	2060151	14.66%	0.774%
31	10.110	1361	1364	1366	rVB	1179090	866608	6.17%	0.326%
32	10.169	1370	1374	1376	rBV3	1417458	2068249	14.72%	0.777%
33	10.192	1376	1378	1380	rVB	966012	716818	5.10%	0.269%
34	10.222	1380	1383	1385	rVB	1776198	1592759	11.33%	0.599%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

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-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.327	1395	1401	1404	rVB	4840874	7551679	53.74%	2.838%
36	10.380	1408	1410	1411	rVV	918873	715003	5.09%	0.269%
37	10.398	1411	1413	1414	rVV2	1096523	921623	6.56%	0.346%
38	10.422	1415	1417	1419	rVV	1211144	1108794	7.89%	0.417%
39	10.469	1422	1425	1428	rVB3	991969	1052105	7.49%	0.395%
40	10.533	1433	1436	1438	rBV	2191619	2403387	17.10%	0.903%
41	10.551	1438	1439	1443	rVB	1743787	1425449	10.14%	0.536%
42	10.674	1456	1460	1467	rVB2	2021477	2389180	17.00%	0.898%
43	10.863	1487	1492	1494	rBV	2314218	3142651	22.36%	1.181%
44	10.892	1494	1497	1500	rVV	2125732	1813689	12.91%	0.682%
45	10.945	1503	1506	1508	rVB	1690064	1446280	10.29%	0.544%
46	11.063	1523	1526	1530	rVV	1258389	1335895	9.51%	0.502%
47	11.151	1537	1541	1548	rVB2	2895890	3427866	24.39%	1.288%
48	11.357	1572	1576	1580	rBV	4742828	6587411	46.88%	2.476%
49	11.416	1583	1586	1591	rVB2	739054	1014942	7.22%	0.381%
50	11.492	1595	1599	1605	rBV5	671817	1399016	9.96%	0.526%
51	11.551	1605	1609	1611	rVV	1565161	1456600	10.37%	0.547%
52	11.586	1611	1615	1620	rVB3	1191002	1343374	9.56%	0.505%
53	11.663	1625	1628	1632	rVB	761065	839492	5.97%	0.315%
54	11.763	1640	1645	1647	rBV	3373309	4531479	32.25%	1.703%
55	11.798	1647	1651	1653	rVB	3819070	4289744	30.53%	1.612%
56	11.839	1654	1658	1661	rBV	1562230	2165424	15.41%	0.814%
57	11.880	1661	1665	1668	rVV	4427841	7381249	52.53%	2.774%
58	11.904	1668	1669	1672	rVB	3570132	1814837	12.92%	0.682%
59	11.986	1680	1683	1686	rBV2	782748	760069	5.41%	0.286%
60	12.057	1690	1695	1698	rVB	3011113	3159609	22.48%	1.187%
61	12.198	1713	1719	1721	rBV3	835362	1183778	8.42%	0.445%
62	12.227	1721	1724	1726	rVV	1125264	1116670	7.95%	0.420%
63	12.304	1733	1737	1740	rBV	1859945	2580478	18.36%	0.970%
64	12.345	1740	1744	1749	rVV2	1549178	2702828	19.23%	1.016%
65	12.404	1750	1754	1759	rVB3	809122	1394083	9.92%	0.524%
66	12.498	1761	1770	1772	rVV	5066012	10881817	77.44%	4.090%
67	12.568	1779	1782	1785	rVB	2557652	2598885	18.49%	0.977%
68	12.733	1800	1810	1812	rBV	5299291	14052126	100.00%	5.281%
69	12.833	1824	1827	1830	rBV	1109357	999216	7.11%	0.376%
70	12.915	1836	1841	1847	rVB	1357474	2037855	14.50%	0.766%
71	13.004	1852	1856	1857	rVV2	1225565	1640760	11.68%	0.617%

LSC Area Percent Report

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Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

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-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.027	1857	1860	1863	rVB	2504589	2950130	20.99%	1.109%
73	13.098	1863	1872	1874	rBV	2513798	3298304	23.47%	1.240%
74	13.133	1874	1878	1880	rVV	2081763	2054345	14.62%	0.772%
75	13.198	1884	1889	1891	rVV2	1130183	1511578	10.76%	0.568%
76	13.221	1891	1893	1896	rVV	1559280	1576322	11.22%	0.592%
77	13.257	1896	1899	1904	rVB	2009886	1928050	13.72%	0.725%
78	13.504	1937	1941	1945	rBV3	502200	1022824	7.28%	0.384%
79	13.639	1959	1964	1966	rVV2	697381	1076014	7.66%	0.404%
80	13.668	1966	1969	1971	rVV	1764479	1923140	13.69%	0.723%
81	13.692	1971	1973	1976	rVV	1673869	1647904	11.73%	0.619%
82	13.715	1976	1977	1987	rVB5	446768	780023	5.55%	0.293%
83	13.892	2000	2007	2010	rBV2	3900925	7451896	53.03%	2.801%
84	13.933	2010	2014	2017	rVV	4082725	5200545	37.01%	1.954%
85	13.998	2023	2025	2029	rVV2	758998	773929	5.51%	0.291%
86	14.039	2029	2032	2035	rVB	1066881	1025297	7.30%	0.385%
87	14.274	2068	2072	2075	rVV	1412995	1683177	11.98%	0.633%
88	14.304	2075	2077	2080	rVV	834337	732767	5.21%	0.275%
89	14.368	2081	2088	2090	rVV3	867039	1501397	10.68%	0.564%
90	14.398	2090	2093	2095	rVV2	901559	1029504	7.33%	0.387%
91	14.421	2095	2097	2101	rVV	1508266	1351624	9.62%	0.508%
92	14.921	2174	2182	2184	rBV	2461575	4591171	32.67%	1.725%
93	15.009	2193	2197	2202	rVB	875617	1024845	7.29%	0.385%
94	15.209	2224	2231	2235	rBV	1861168	2837221	20.19%	1.066%
95	15.274	2235	2242	2245	rVV2	2620643	4537801	32.29%	1.705%
96	15.321	2245	2250	2252	rVV2	493058	721615	5.14%	0.271%
97	15.351	2252	2255	2260	rVB2	824609	1109630	7.90%	0.417%
98	16.721	2479	2488	2493	rVB	1012365	2096396	14.92%	0.788%
99	17.145	2549	2560	2565	rBV	958434	2234456	15.90%	0.840%
100	17.356	2589	2596	2604	rVB	387075	815905	5.81%	0.307%

Sum of corrected areas: 266089213

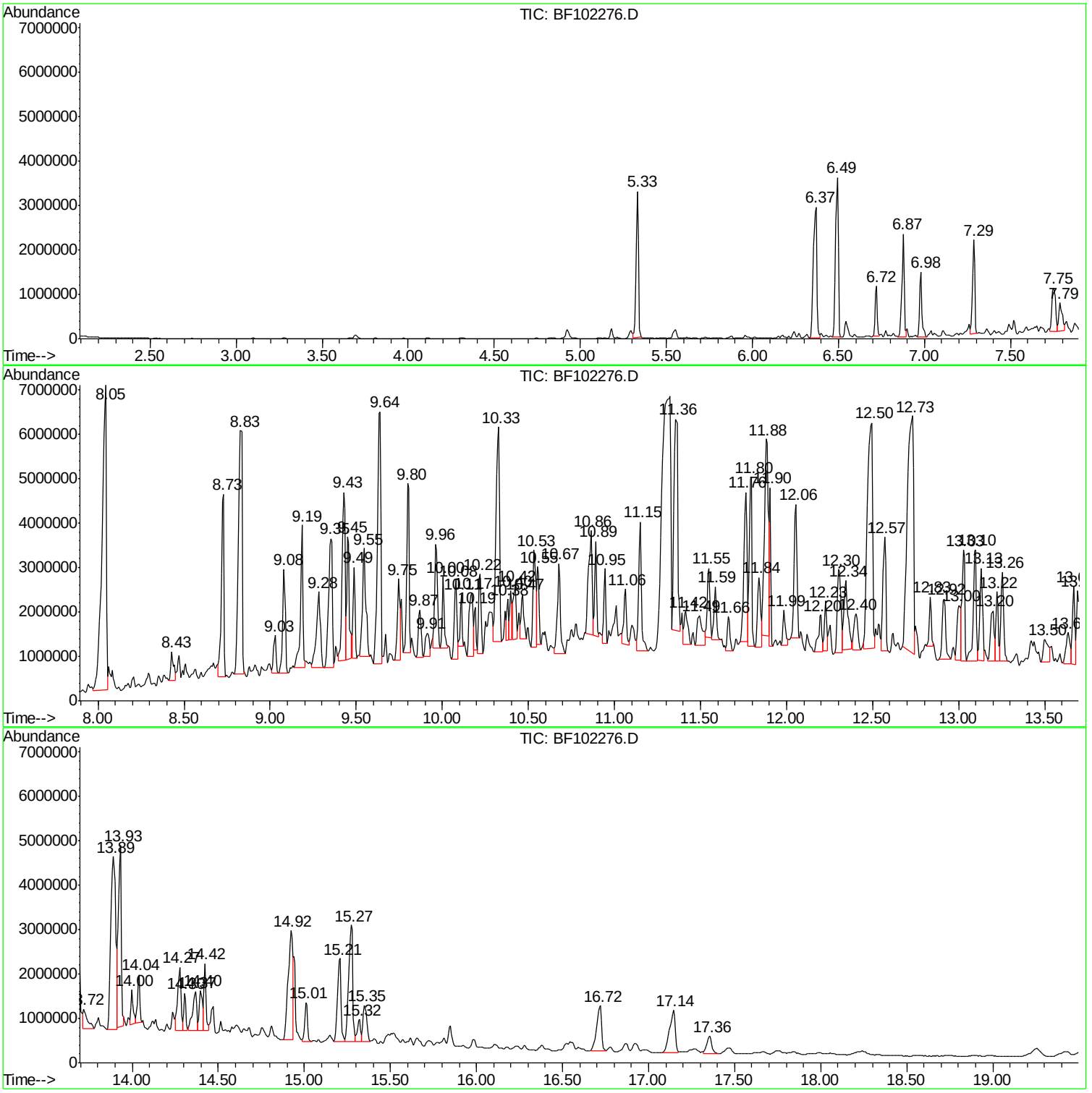
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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\BF012018\
Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
Misc :
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Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

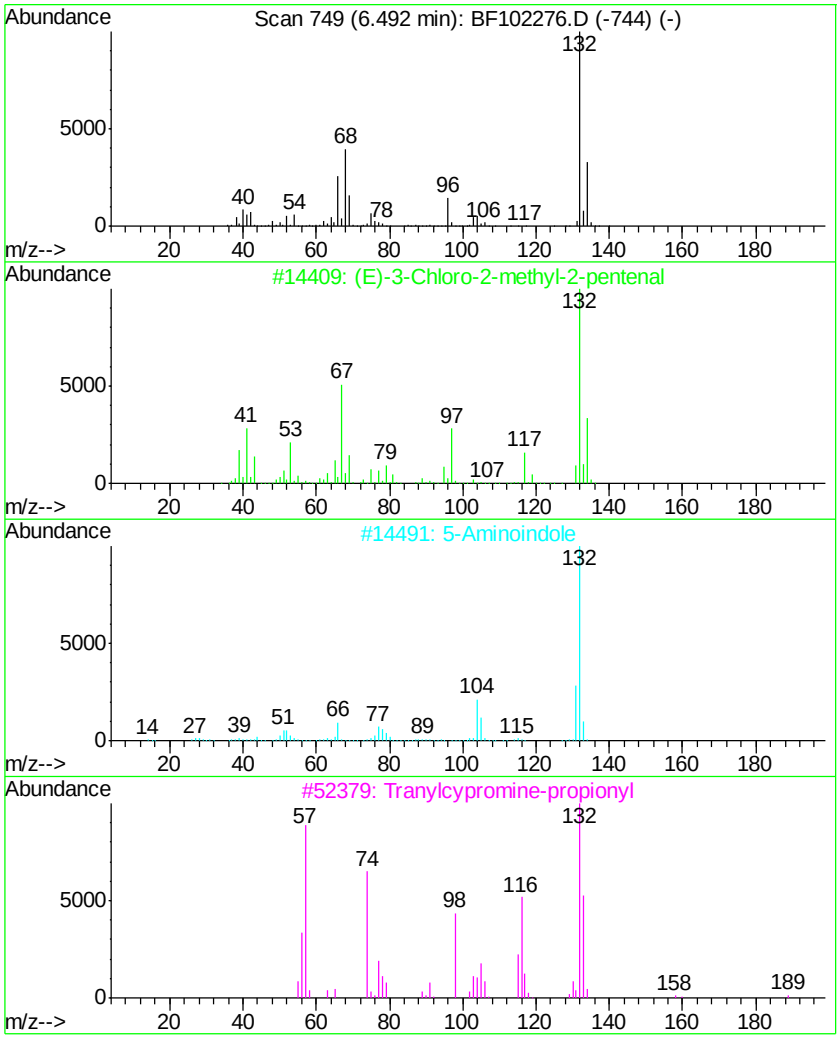
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

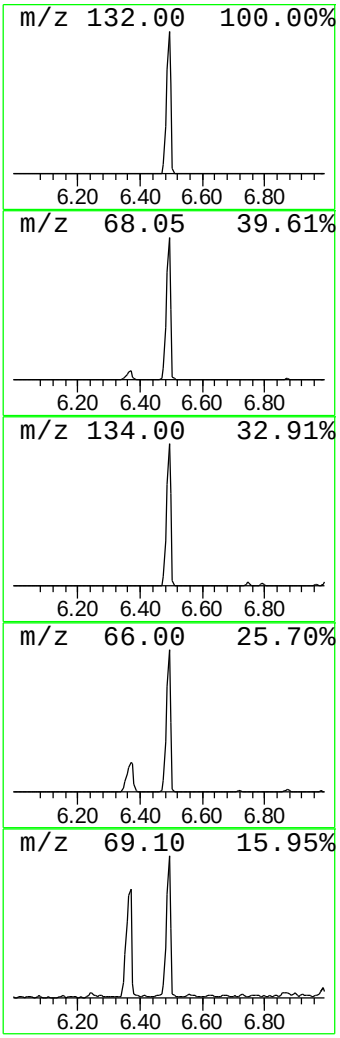
****

Peak Number 1 unknown6.49 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	68.38 ng	3458970	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

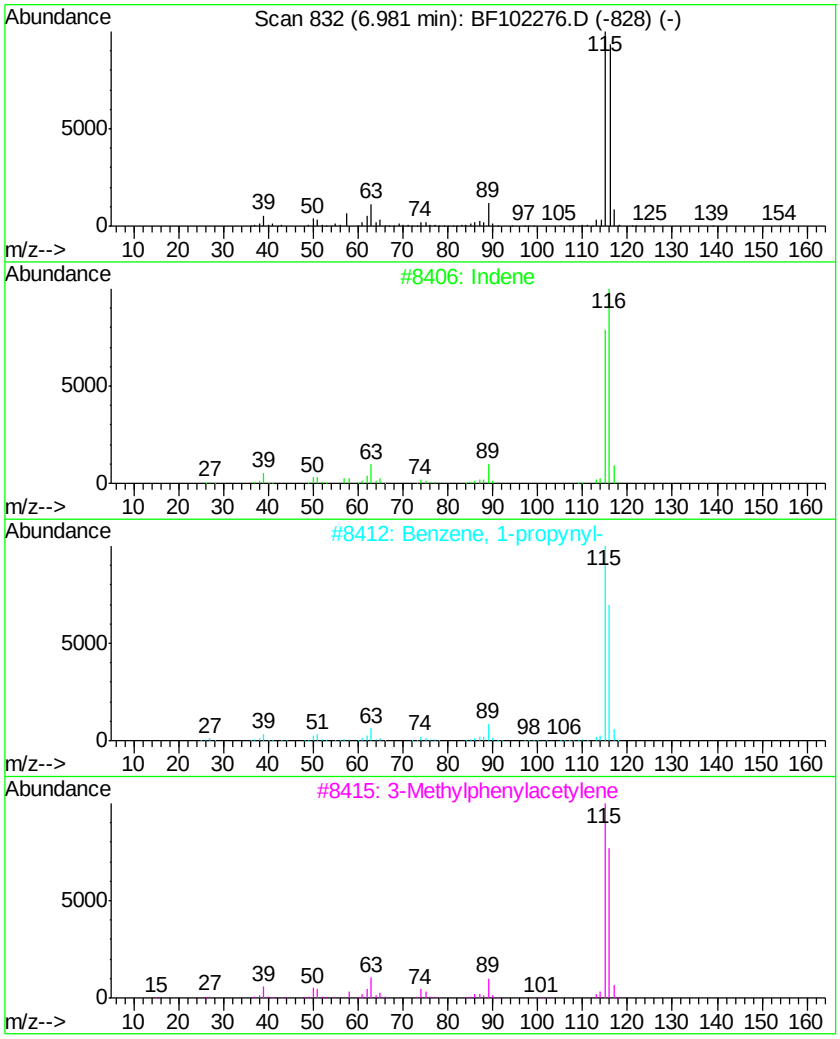
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

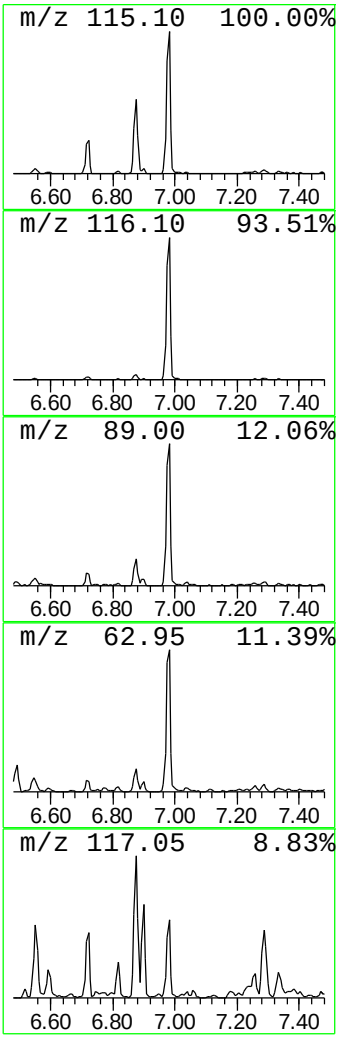
****

Peak Number 3 Indene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	27.63 ng	1397940	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	2-Methylphenylacetylene	116	C9H8	000766-47-2	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
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Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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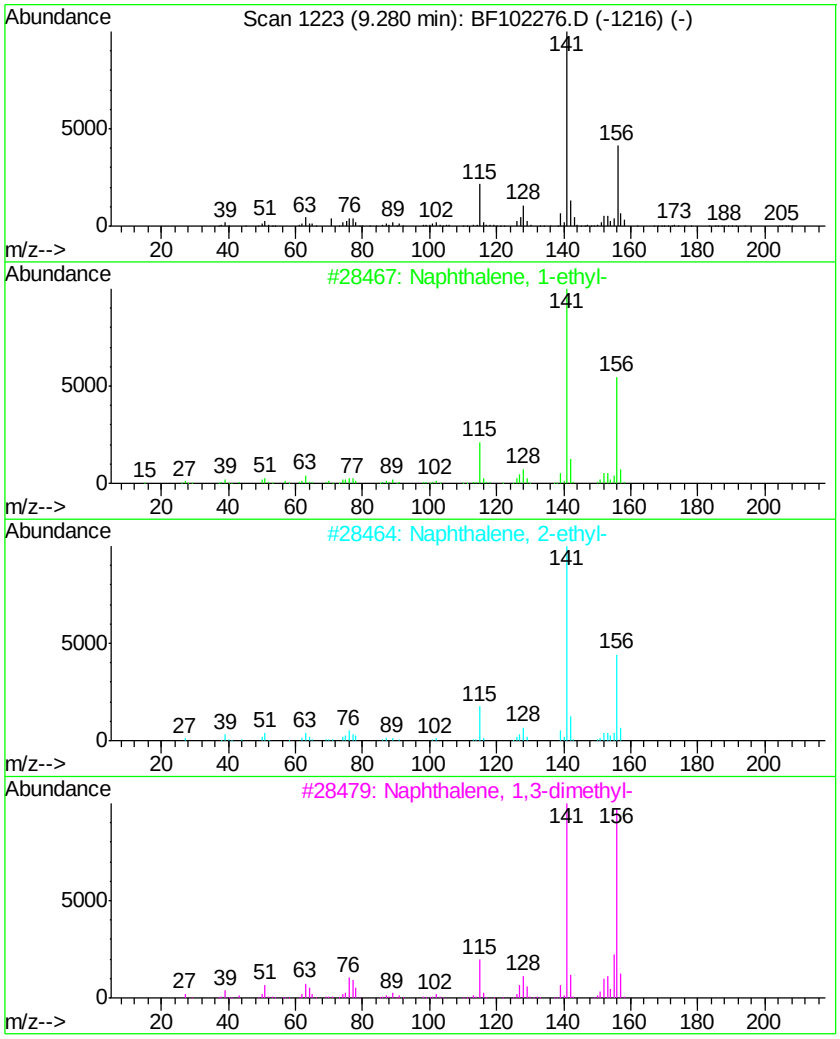
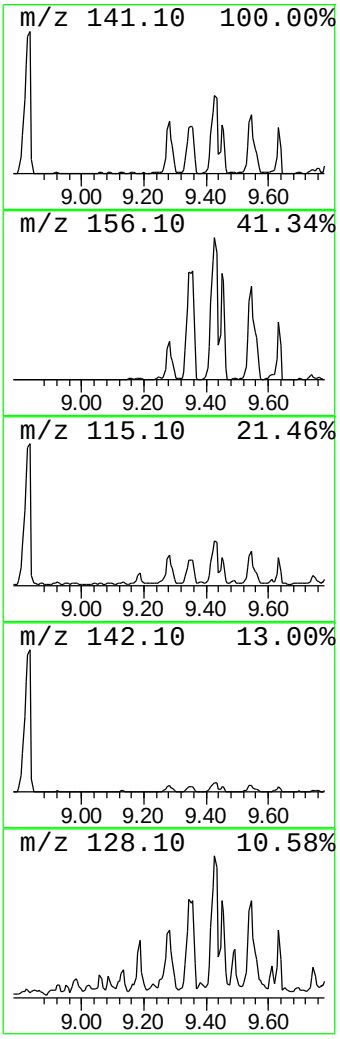
Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	24.33 ng	2670150	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	62
4	Naphthalene, 1-propyl-	170	C13H14	002765-18-6	53
5	5-Acetyl-2-amino-4-methylthiazole	156	C6H8N2OS	030748-47-1	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

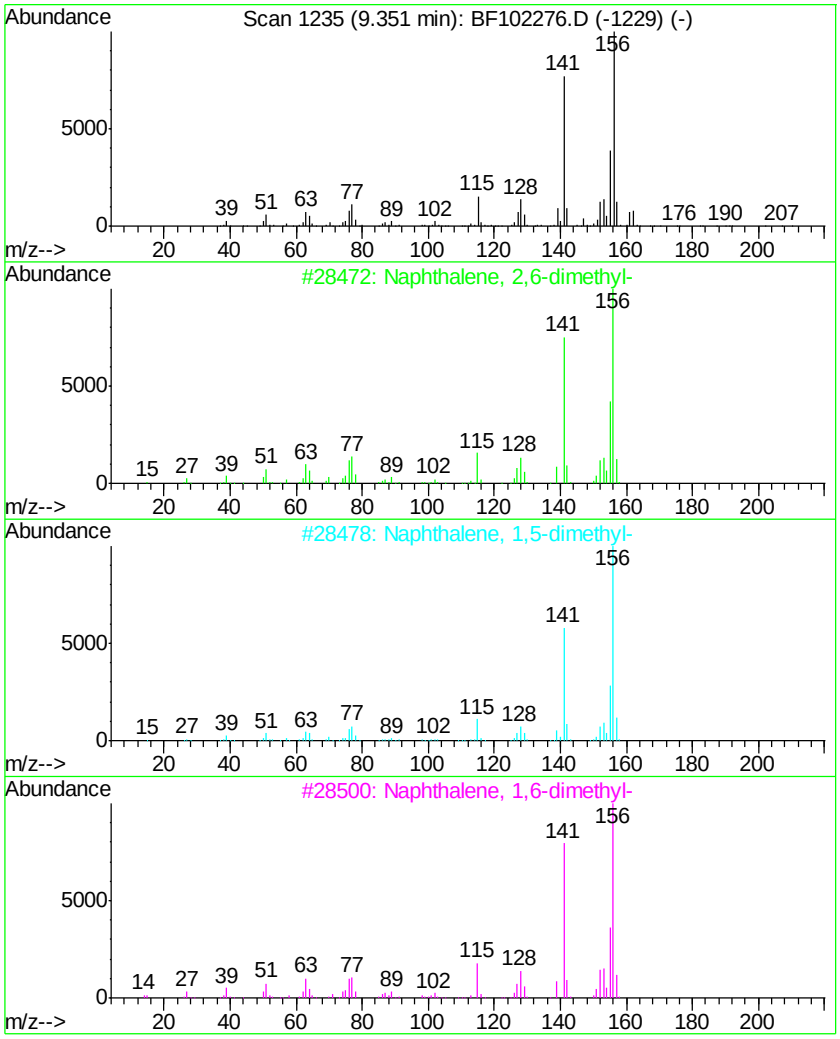
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

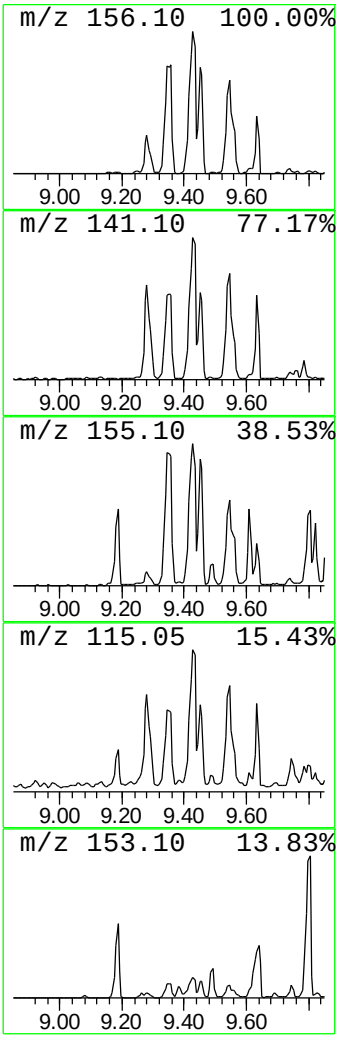
****

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	40.35 ng	4428910	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

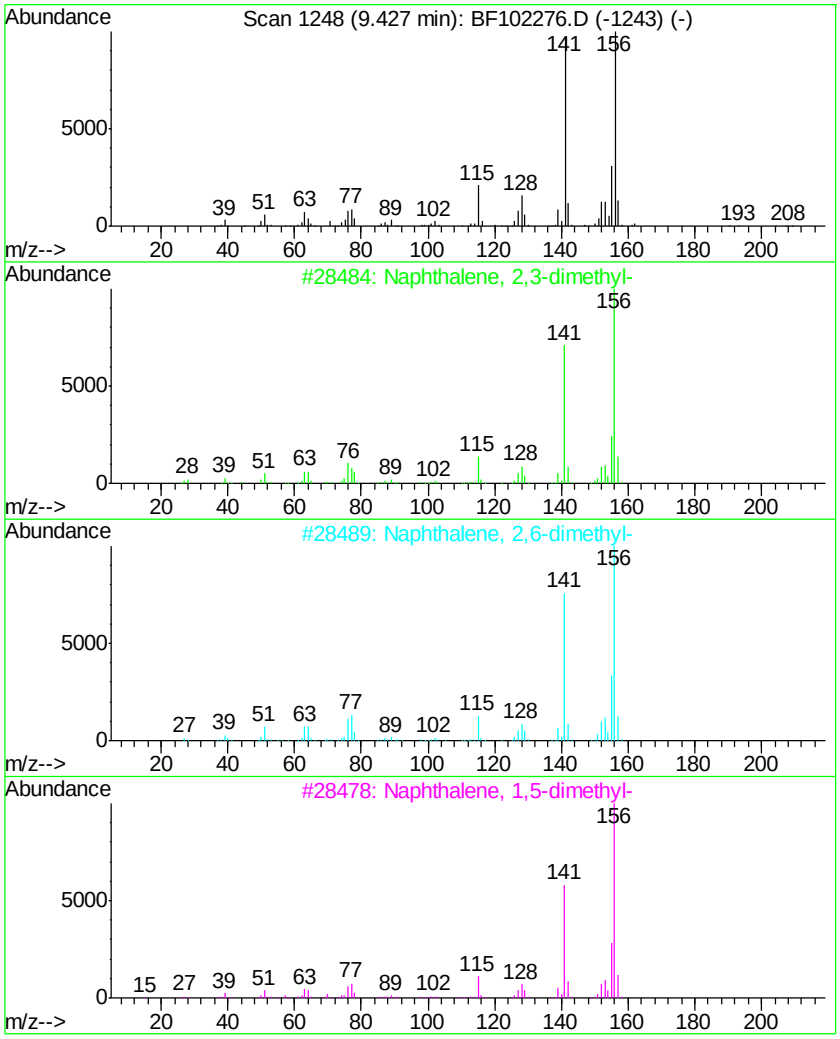
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

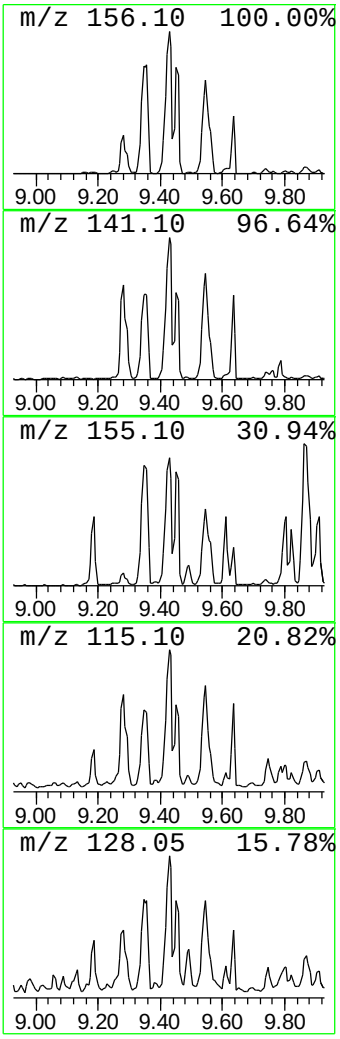
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	46.75 ng	5131180	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

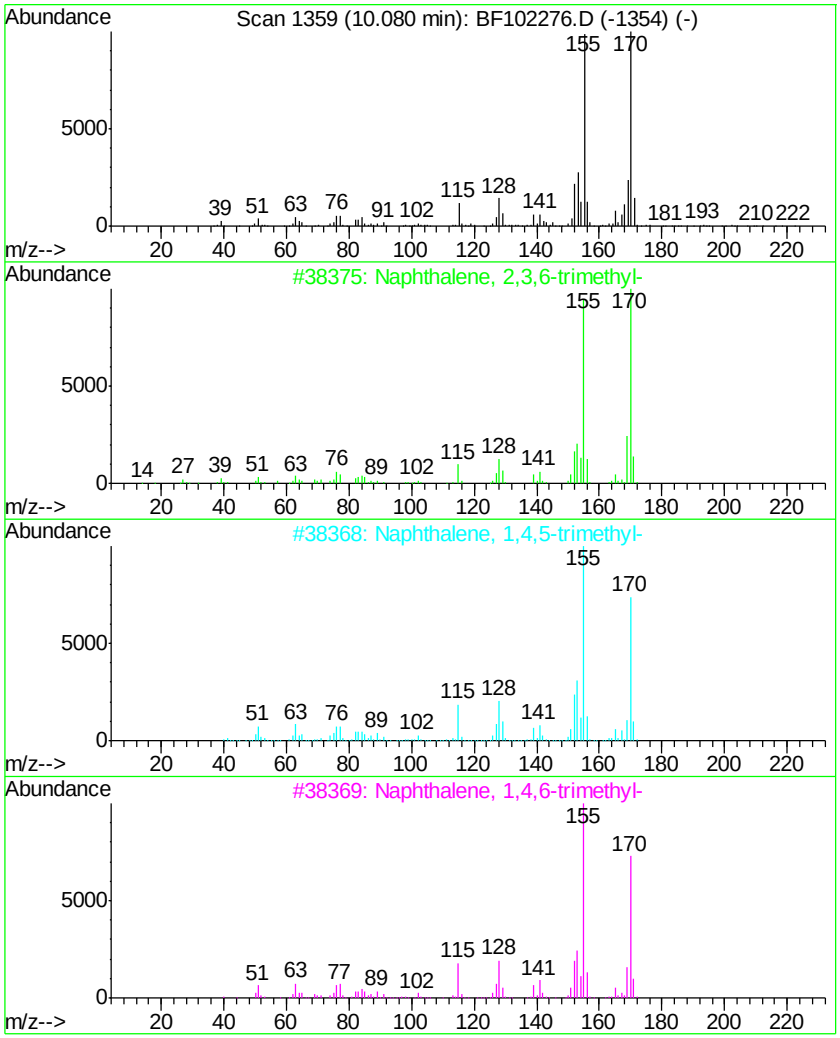
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

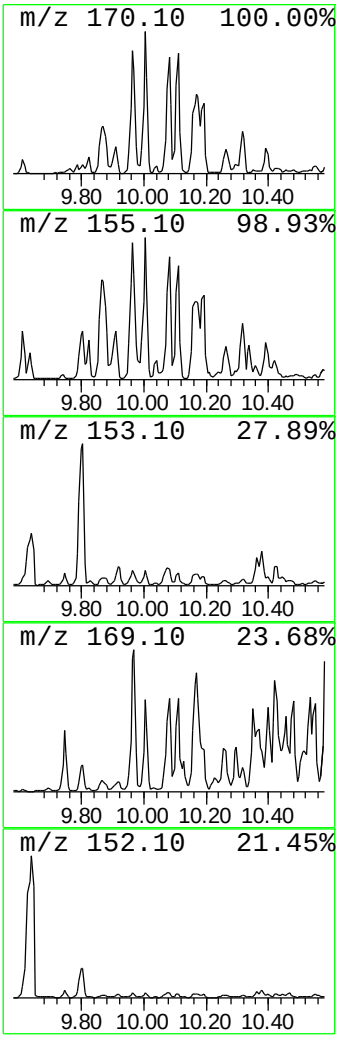
****

Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	18.77 ng	2060150	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

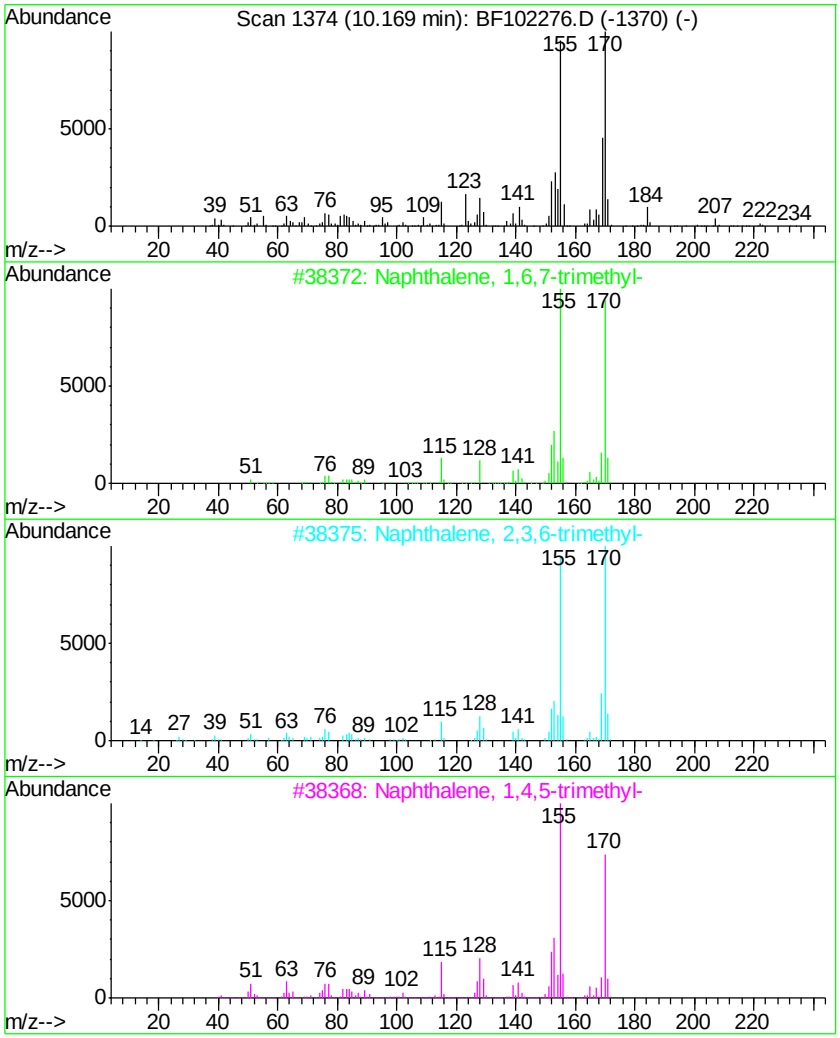
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

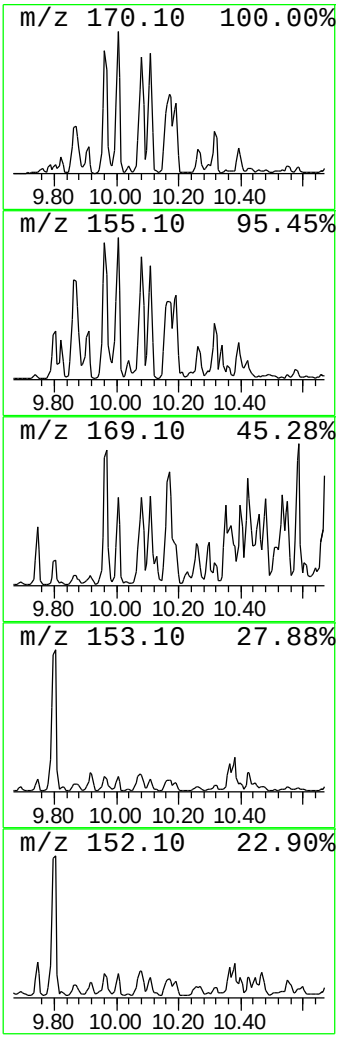
****

Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	18.84 ng	2068250	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90





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Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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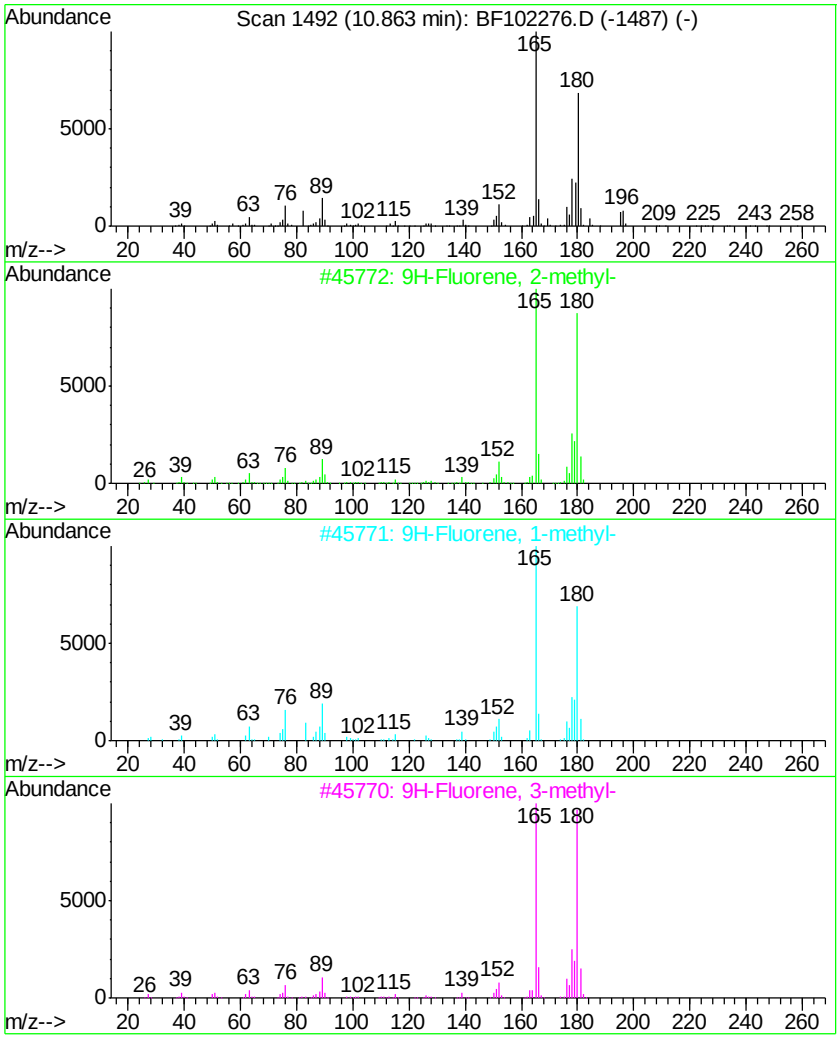
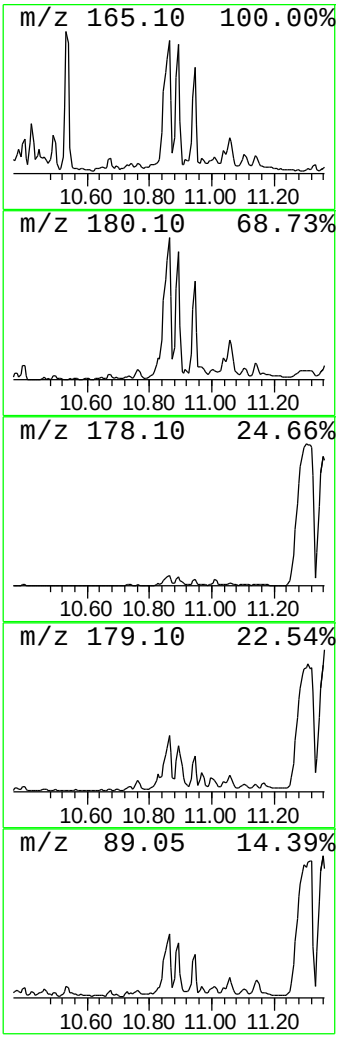
Peak Number 10 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	18.34 ng	3142650	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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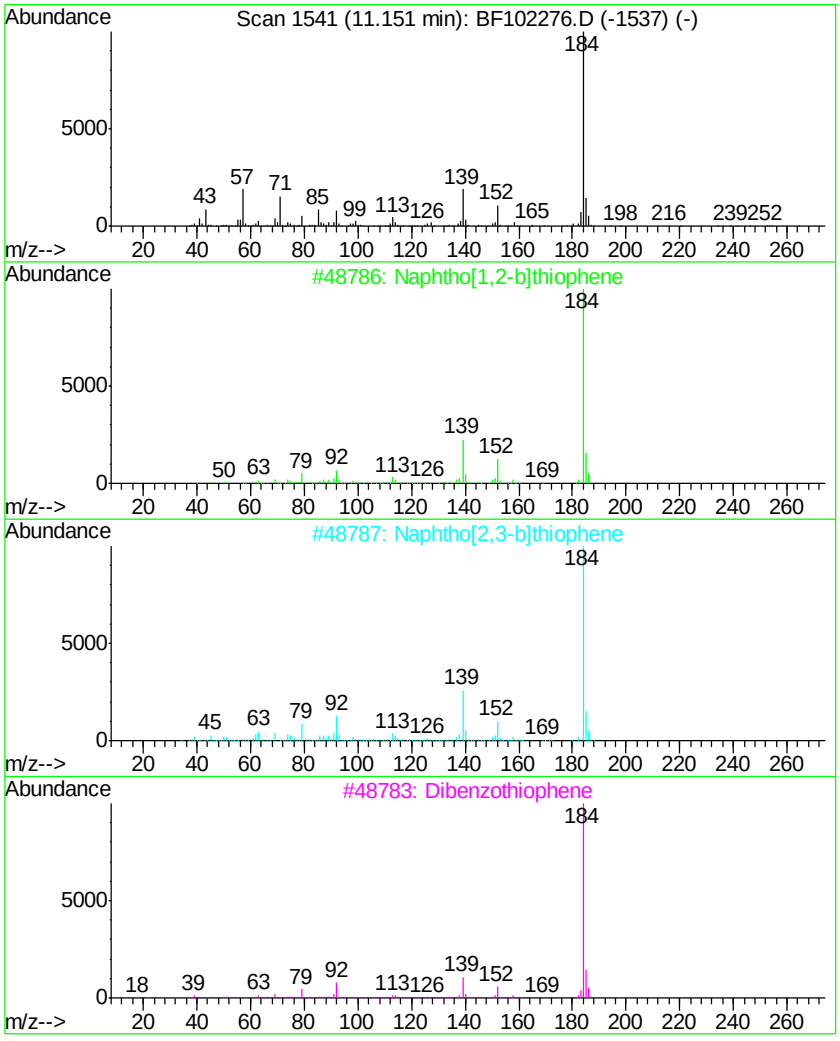
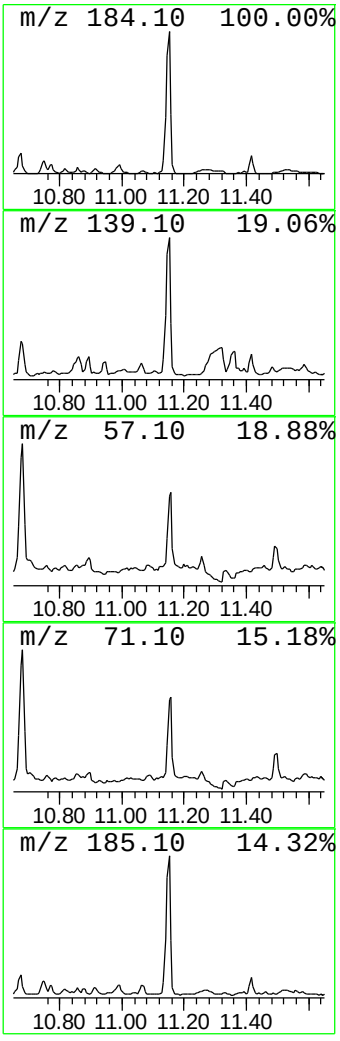
Peak Number 11 Naphtho[1,2-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	20.00 ng	3427870	Phenanthrene-d10	11.25

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	93
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

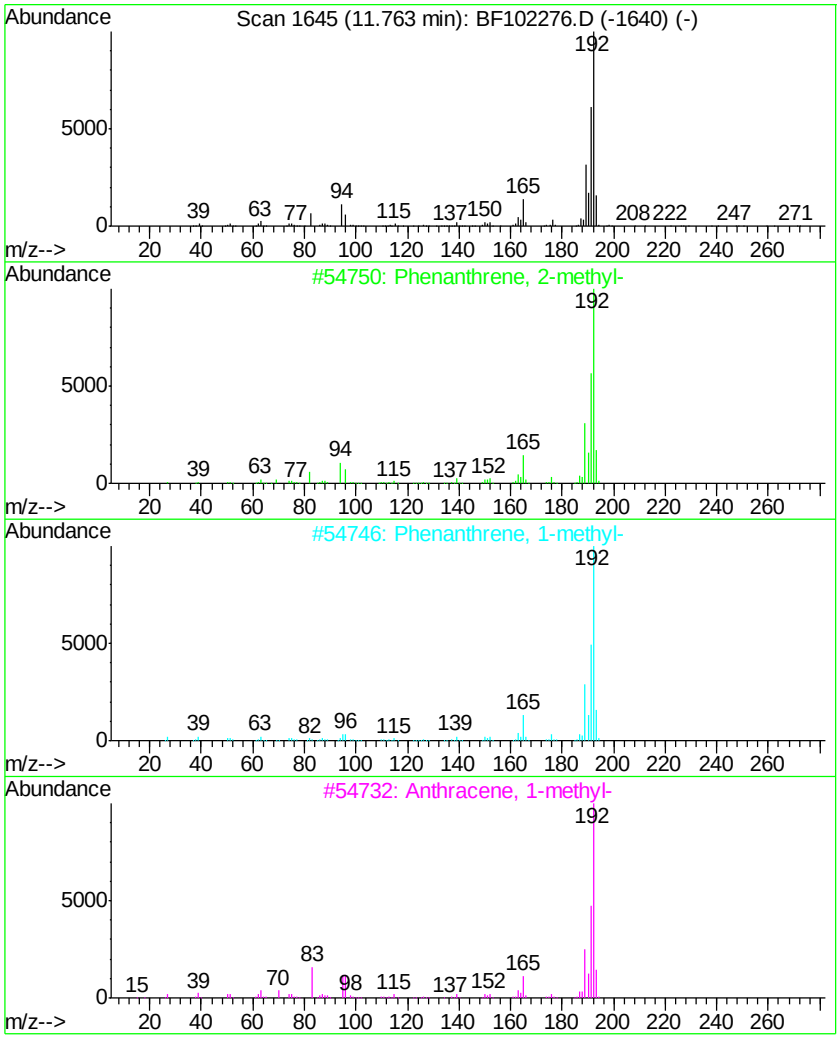
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

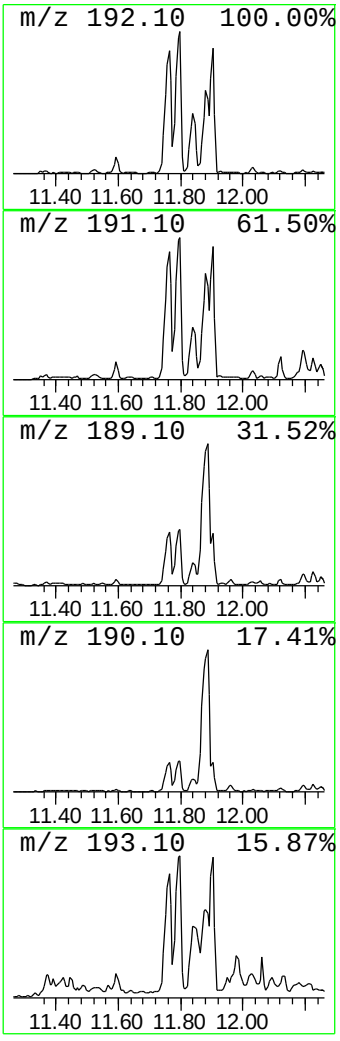
****

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	26.44 ng	4531480	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

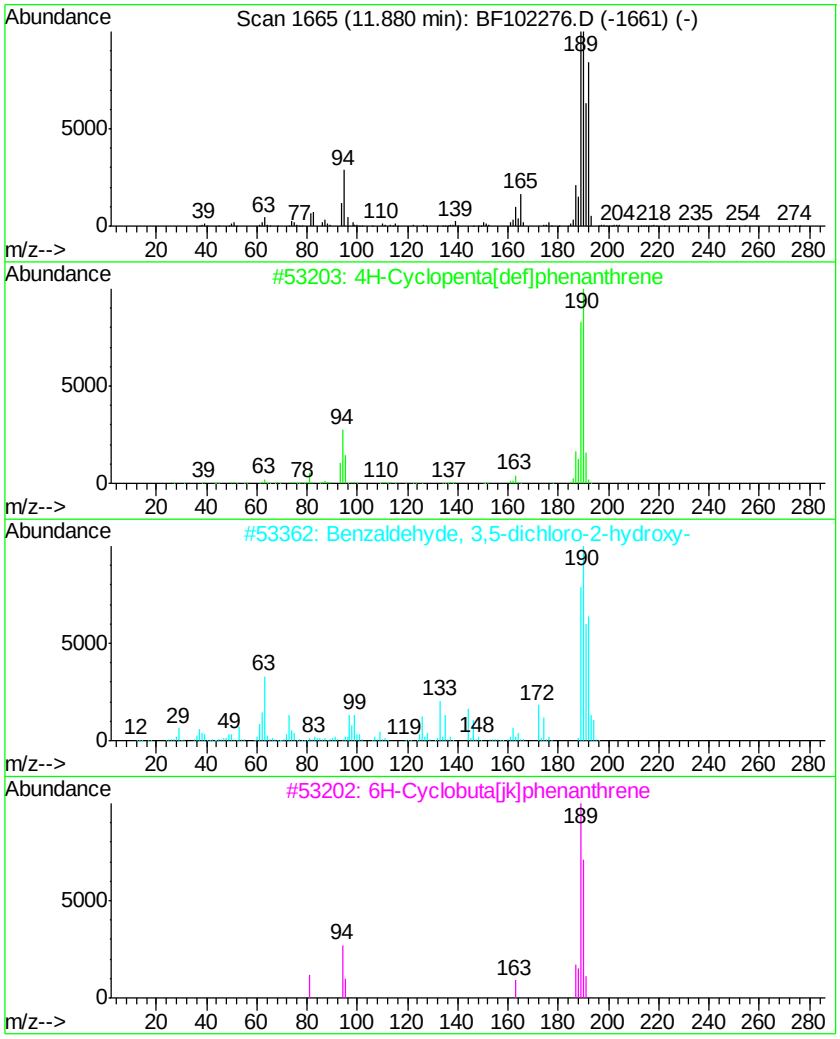
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

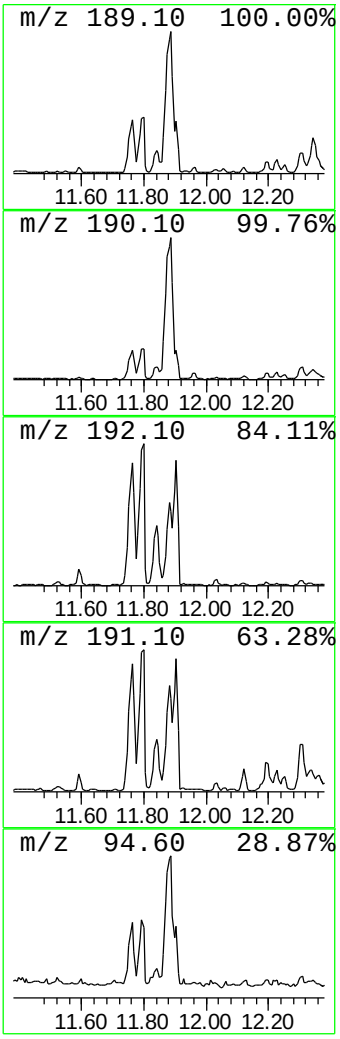
****

Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	43.07 ng	7381250	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	45
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	38
4	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	35
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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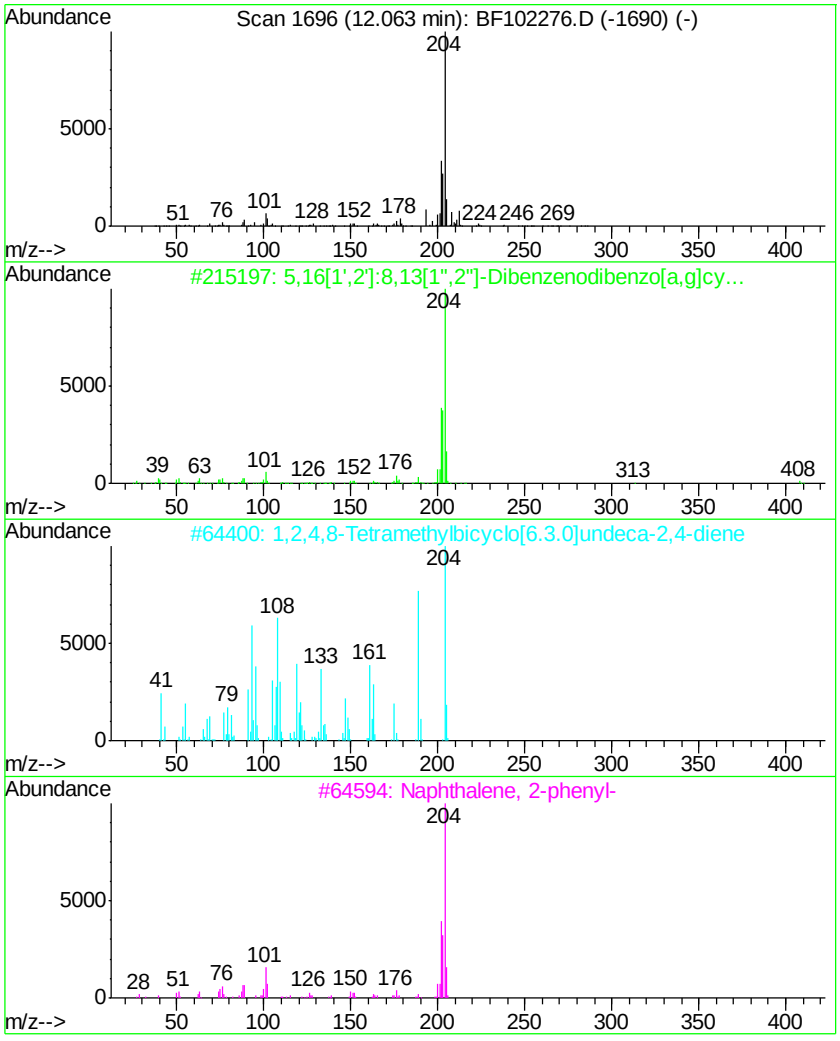
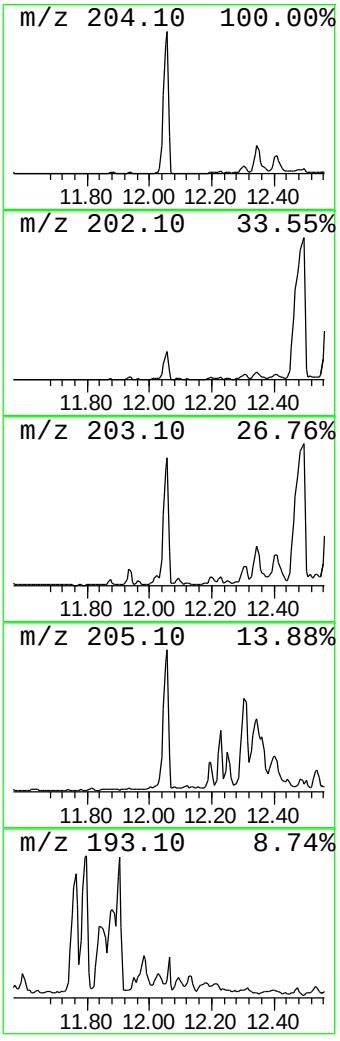
Peak Number 15 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	18.43 ng	3159610	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	68





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Operator : SJ/JU
Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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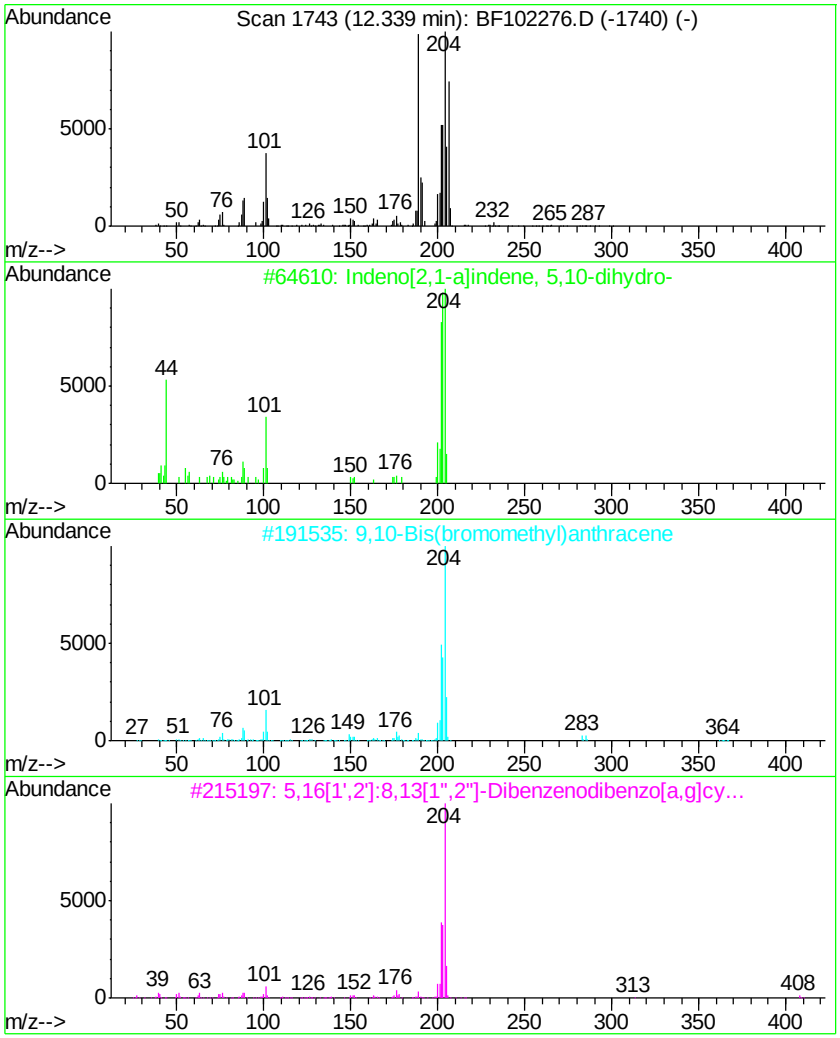
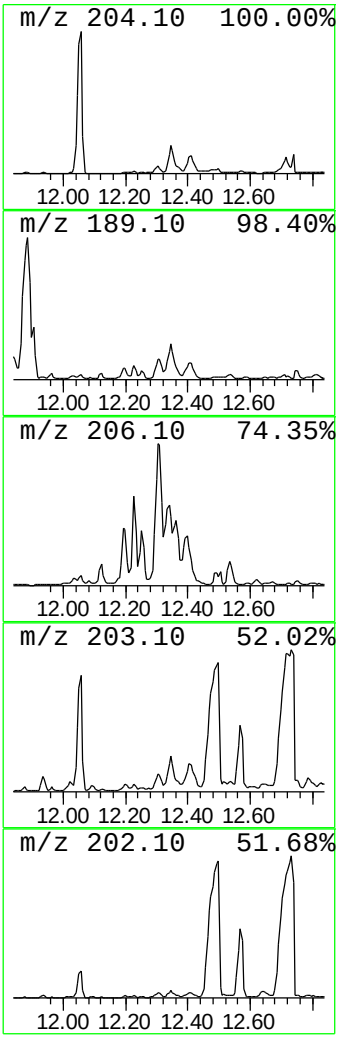
Peak Number 16 unknown12.34 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	15.77 ng	2702830	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	47
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	40
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30





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Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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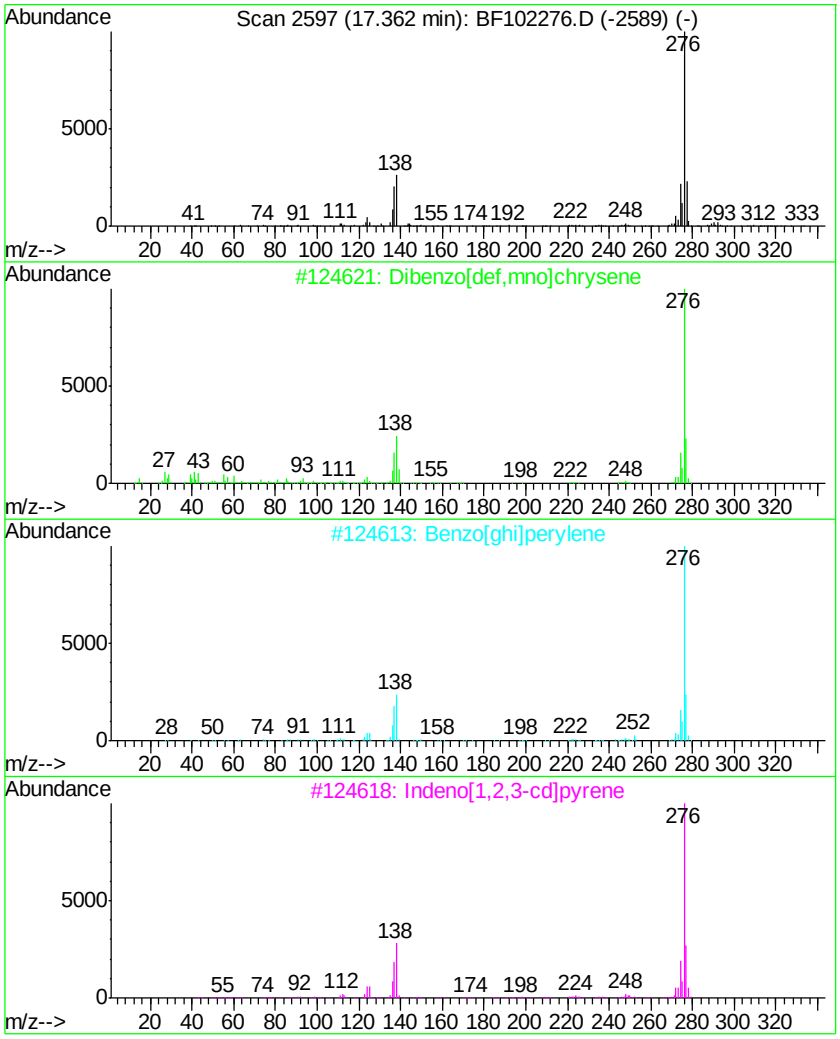
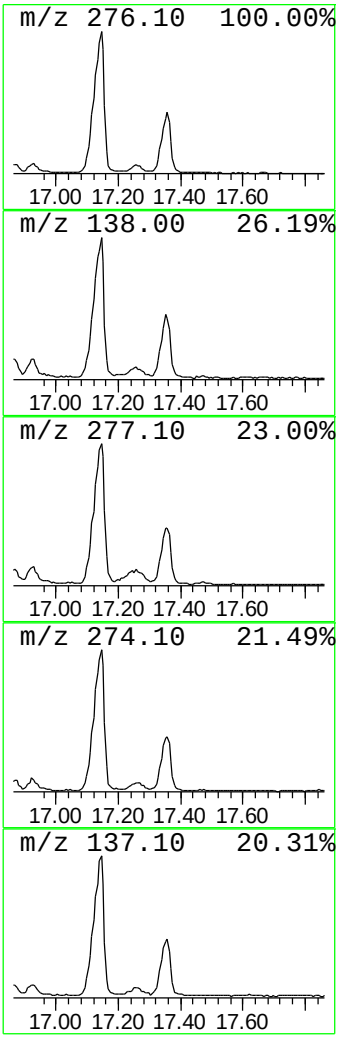
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	22.61 ng	815905	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	76
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5	Phosphoric acid, 4-methoxy-2-(me...	276	C11H17O6P	094420-71-0	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012018\
Data File : BF102276.D
Acq On : 20 Jan 2018 19:55
Operator : SJ/JU
Sample : J1214-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-PH3-MGP-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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
unknown6.49	6.49	68.4	ng	3458970	1	6.72	1011720	20.0
Indene	6.98	27.6	ng	1397940	1	6.72	1011720	20.0
Naphthalene, 1-et...	9.28	24.3	ng	2670150	3	9.76	2195370	20.0
Naphthalene, 2,6-...	9.35	40.4	ng	4428910	3	9.76	2195370	20.0
Naphthalene, 2,3-...	9.43	46.8	ng	5131180	3	9.76	2195370	20.0
Naphthalene, 2,3,...	10.08	18.8	ng	2060150	3	9.76	2195370	20.0
Naphthalene, 1,6,...	10.17	18.8	ng	2068250	3	9.76	2195370	20.0
9H-Fluorene, 2-me...	10.86	18.3	ng	3142650	4	11.25	3427870	20.0
Naphtho[1,2-b]thi...	11.15	20.0	ng	3427870	4	11.25	3427870	20.0
Phenanthrene, 2-m...	11.76	26.4	ng	4531480	4	11.25	3427870	20.0
4H-Cyclopenta[def...	11.88	43.1	ng	7381250	4	11.25	3427870	20.0
5,16[1',2']:8,13[...	12.06	18.4	ng	3159610	4	11.25	3427870	20.0
unknown12.34	12.34	15.8	ng	2702830	4	11.25	3427870	20.0
Dibenzo[def,mno]c...	17.36	22.6	ng	815905	6	15.32	721615	20.0