LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101997.D
Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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	3.693	266	273	281	rBV	117260	169580	1.67%	0.306%
2	5.293	542	545	547	rBV	106489	106212	1.04%	0.191%
3	5.551	584	589	593	rBV2	81969	108529	1.07%	0.196%
4	6.551	756	759	762	rBV2	101303	110241	1.08%	0.199%
5	6.728	785	789	792	rBV	1439126	1270223	12.48%	2.289%
6	6.904	816	819	822	rVB	321846	246252	2.42%	0.444%
7	6.987	828	833	836	rBV	636255	593001	5.83%	1.069%
8	7.757	956	964	967	rBV3	118142	150656	1.48%	0.271%
9	7.792	967	970	975	rVB	118289	145225	1.43%	0.262%
10	8.039	1002	1012	1015	rBV2	7392873	10178388	100.00%	18.342%
11	8.081	1015	1019	1022	rVV	430766	320004	3.14%	0.577%
12	8.722	1123	1128	1131	rBV	2260725	1825076	17.93%	3.289%
13	8.822	1139	1145	1148	rVB	1242305	1169104	11.49%	2.107%
14	9.181	1199	1206	1210	rBV	385896	374023	3.67%	0.674%
15	9.281	1220	1223	1228	rVB2	121032	167016	1.64%	0.301%
16	9.345	1228	1234	1238	rBV	394938	541936	5.32%	0.977%
17	9.416	1242	1246	1249	rVV	525590	575058	5.65%	1.036%
18	9.445	1249	1251	1255	rVV	398129	337893	3.32%	0.609%
19	9.481	1255	1257	1260	rVB	132480	121151	1.19%	0.218%
20	9.534	1260	1266	1272	rBV	258566	293012	2.88%	0.528%
21	9.622	1276	1281	1284	rBV	1042244	907988	8.92%	1.636%
22	9.763	1298	1305	1308	rBV	1871825	1904344	18.71%	3.432%
23	9.792	1308	1310	1313	rVB2	516332	402356	3.95%	0.725%
24	9.869	1318	1323	1326	rBV3	97447	118852	1.17%	0.214%
25	9.963	1333	1339	1342	rBV	1005135	853145	8.38%	1.537%
26	9.998	1342	1345	1349	rBV	129404	109356	1.07%	0.197%
27	10.075	1353	1358	1361	rBV2	137388	160663	1.58%	0.290%
28	10.163	1369	1373	1375	rBV3	100840	111165	1.09%	0.200%
29	10.257	1384	1389	1391	rBV2	65380	102004	1.00%	0.184%
30	10.304	1394	1397	1403	rVB	1563302	1397505	13.73%	2.518%
31	10.369	1403	1408	1410	rBV2	78962	108030	1.06%	0.195%
32	10.416	1413	1416	1420	rVB2	130363	121531	1.19%	0.219%
33	10.463	1421	1424	1427	rBV	208104	177429	1.74%	0.320%
34	10.528	1432	1435	1436	rVV	250578	205824	2.02%	0.371%

LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101997.D
Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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	10.539	1436	1437	1442	rVB	218640	224462	2.21%	0.404%
36	10.669	1456	1459	1467	rVB	318859	368434	3.62%	0.664%
37	10.851	1485	1490	1493	rBV2	245711	306556	3.01%	0.552%
38	10.880	1493	1495	1501	rVB2	149934	150269	1.48%	0.271%
39	10.933	1501	1504	1510	rBV3	136952	174326	1.71%	0.314%
40	11.116	1532	1535	1537	rVV	422226	379129	3.72%	0.683%
41	11.139	1537	1539	1547	rVB2	625030	613123	6.02%	1.105%
42	11.245	1553	1557	1559	rBV	1551953	1703112	16.73%	3.069%
43	11.269	1559	1561	1564	rVV	3710001	3409798	33.50%	6.145%
44	11.316	1564	1569	1572	rVB	1193501	1069416	10.51%	1.927%
45	11.351	1572	1575	1578	rBV	119294	123565	1.21%	0.223%
46	11.475	1589	1596	1598	rBV	433729	420533	4.13%	0.758%
47	11.539	1604	1607	1610	rBV	553128	474473	4.66%	0.855%
48	11.569	1610	1612	1618	rVB2	206494	203516	2.00%	0.367%
49	11.657	1624	1627	1631	rVB	176000	184616	1.81%	0.333%
50	11.704	1631	1635	1637	rBV2	93119	134786	1.32%	0.243%
51	11.745	1638	1642	1644	rBV	506754	436984	4.29%	0.787%
52	11.769	1644	1646	1650	rVB	664430	571634	5.62%	1.030%
53	11.816	1650	1654	1656	rBV2	234457	239286	2.35%	0.431%
54	11.857	1656	1661	1663	rBV2	865507	932913	9.17%	1.681%
55	11.951	1674	1677	1679	rVV	453925	380964	3.74%	0.687%
56	12.039	1689	1692	1694	rBV	315302	255304	2.51%	0.460%
57	12.292	1731	1735	1738	rBV2	316338	309846	3.04%	0.558%
58	12.339	1738	1743	1747	rVB2	325597	480892	4.72%	0.867%
59	12.386	1747	1751	1754	rBV4	98034	157228	1.54%	0.283%
60	12.457	1758	1763	1766	rBV	2173095	2190040	21.52%	3.947%
61	12.498	1768	1770	1775	rVV3	73525	108390	1.06%	0.195%
62	12.545	1775	1778	1781	rVB	358095	285300	2.80%	0.514%
63	12.604	1785	1788	1795	rVB3	148807	208843	2.05%	0.376%
64	12.680	1795	1801	1804	rBV	2117407	2138211	21.01%	3.853%
65	12.704	1804	1805	1808	rVV2	163590	131498	1.29%	0.237%
66	12.733	1808	1810	1814	rVB3	102711	120672	1.19%	0.217%
67	12.798	1818	1821	1823	rBV2	136649	136680	1.34%	0.246%
68	12.833	1823	1827	1833	rVB2	147282	238477	2.34%	0.430%
69	12.898	1833	1838	1841	rBV3	153550	263276	2.59%	0.474%
70	13.004	1854	1856	1860	rVB	412926	405857	3.99%	0.731%
71	13.074	1864	1868	1870	rVB2	423760	387193	3.80%	0.698%

LSC Area Percent Report

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Data File : BF101997.D
Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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	13.110	1870	1874	1878	rVB2	243226	227224	2.23%	0.409%
73	13.174	1882	1885	1887	rBV2	102996	115620	1.14%	0.208%
74	13.198	1887	1889	1892	rVB	129933	123402	1.21%	0.222%
75	13.233	1892	1895	1899	rVB	152788	152760	1.50%	0.275%
76	13.621	1956	1961	1964	rBV2	168504	207460	2.04%	0.374%
77	13.651	1964	1966	1968	rVV	159046	130159	1.28%	0.235%
78	13.674	1968	1970	1976	rVB3	92814	115527	1.14%	0.208%
79	13.874	1999	2004	2006	rBV2	1491665	1999527	19.64%	3.603%
80	13.898	2006	2008	2014	rVB	772773	740047	7.27%	1.334%
81	14.257	2065	2069	2072	rVB	166400	181187	1.78%	0.327%
82	14.351	2083	2085	2088	rVV2	139023	130072	1.28%	0.234%
83	14.380	2088	2090	2092	rVV	113509	102608	1.01%	0.185%
84	14.404	2092	2094	2098	rVV2	145366	143441	1.41%	0.258%
85	14.886	2172	2176	2179	rBV	603596	907701	8.92%	1.636%
86	14.986	2186	2193	2199	rVB	200026	267541	2.63%	0.482%
87	15.174	2221	2225	2230	rVB	428318	504176	4.95%	0.909%
88	15.233	2230	2235	2240	rVV	745300	825409	8.11%	1.487%
89	15.292	2240	2245	2248	rVV	899814	1138715	11.19%	2.052%
90	15.321	2248	2250	2256	rVB2	223792	276794	2.72%	0.499%
91	15.815	2331	2334	2343	rVB3	77312	159812	1.57%	0.288%
92	16.662	2472	2478	2486	rVB2	284791	547871	5.38%	0.987%
93	16.833	2501	2507	2511	rBV2	66887	121637	1.20%	0.219%
94	17.074	2542	2548	2557	rBV2	212319	418724	4.11%	0.755%
95	17.292	2581	2585	2591	rVB	84762	153263	1.51%	0.276%

Sum of corrected areas: 55493051

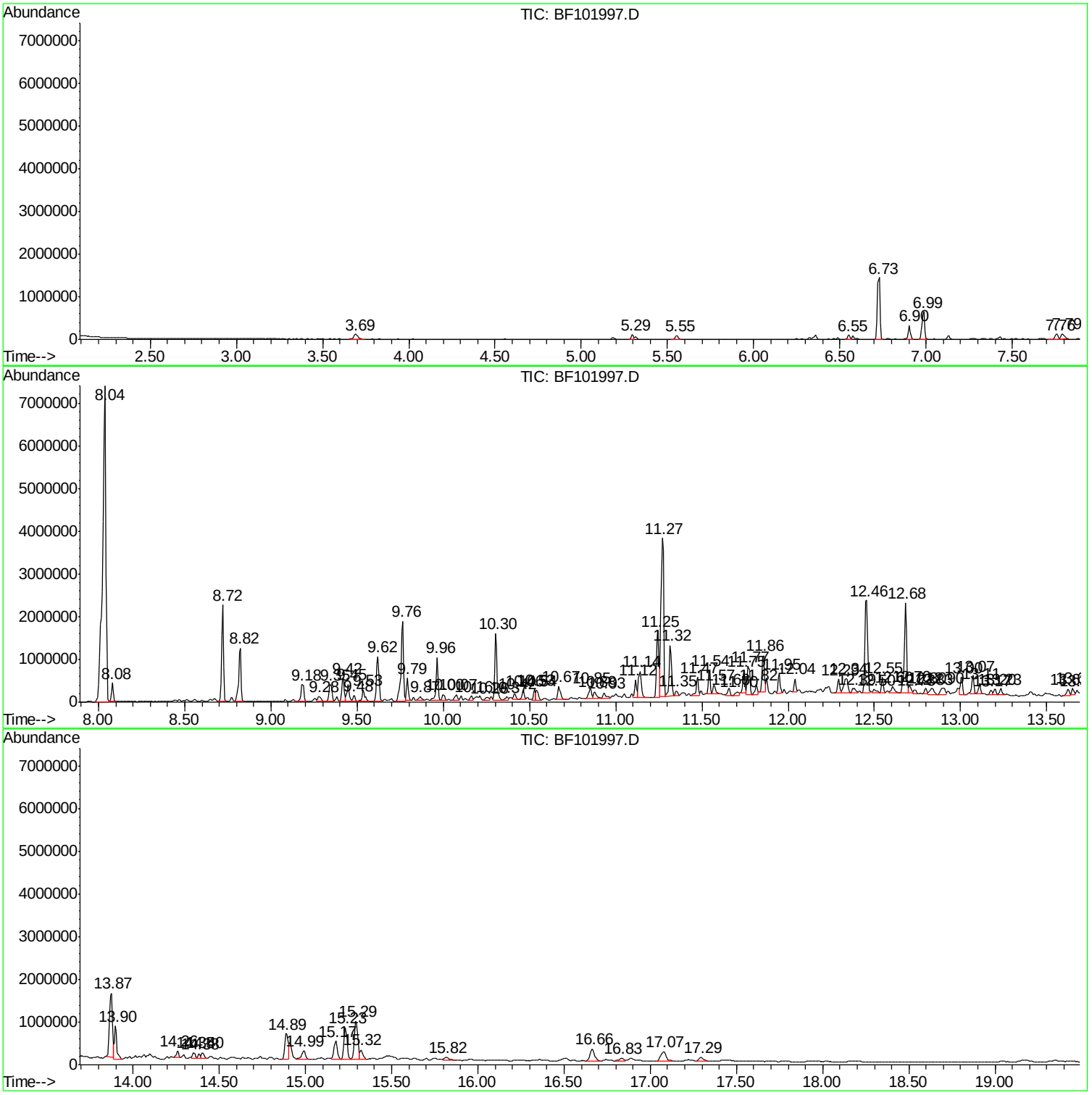
LSC Report - Integrated Chromatogram

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101997.D
Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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 : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101997.D
Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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

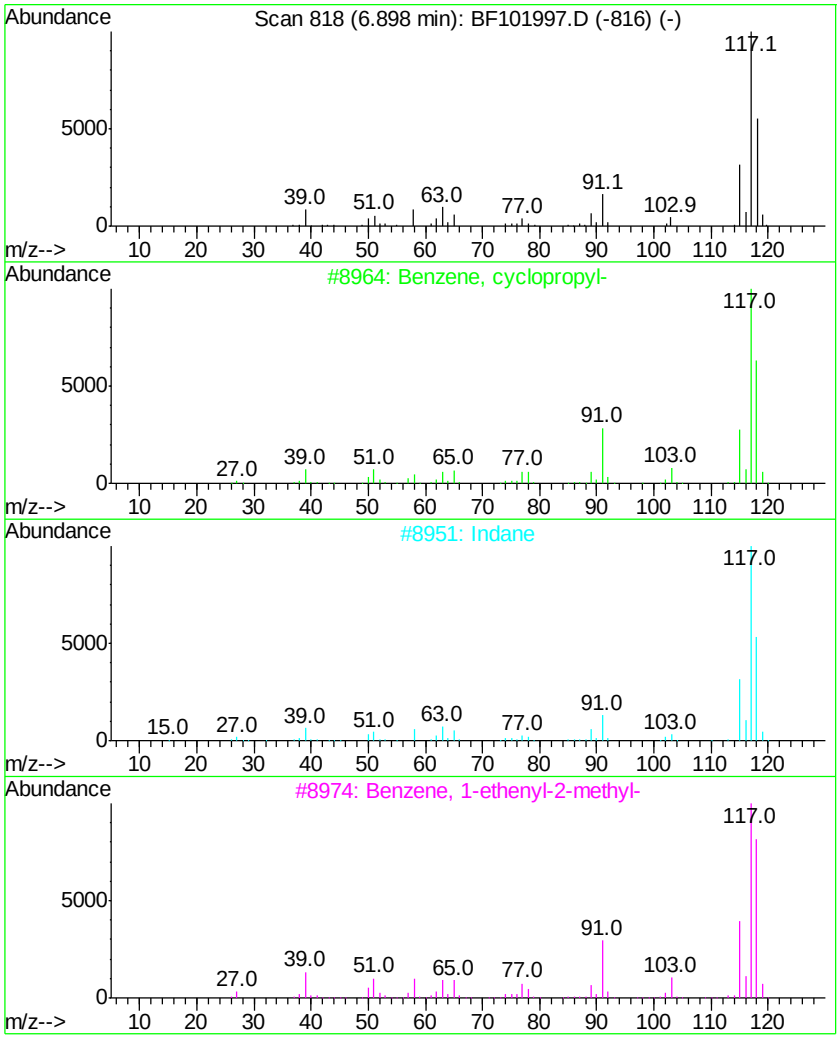
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

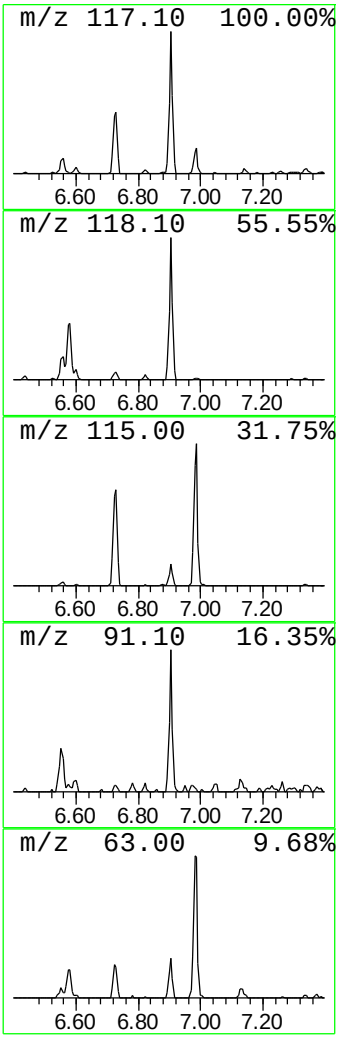
****

Peak Number 1 Benzene, cyclopropyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	3.88 ng	246252	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	87
2	Indane	118	C9H10	000496-11-7	87
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	87
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	83
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101997.D
Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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

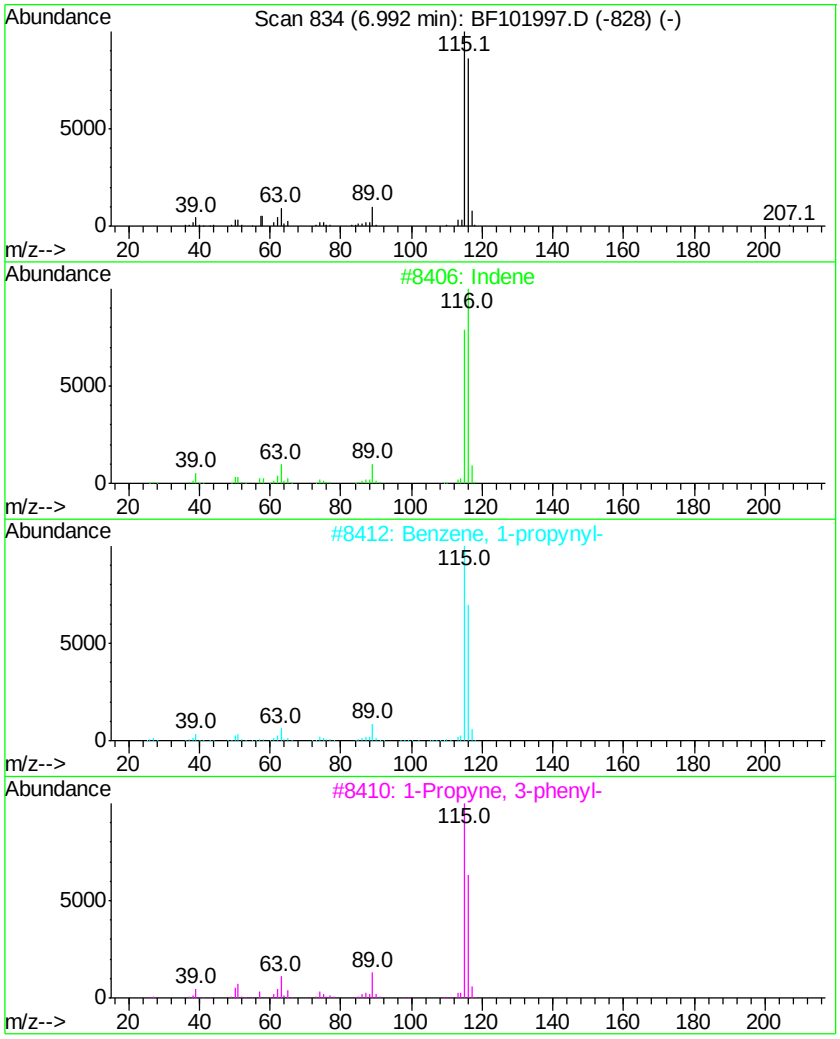
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

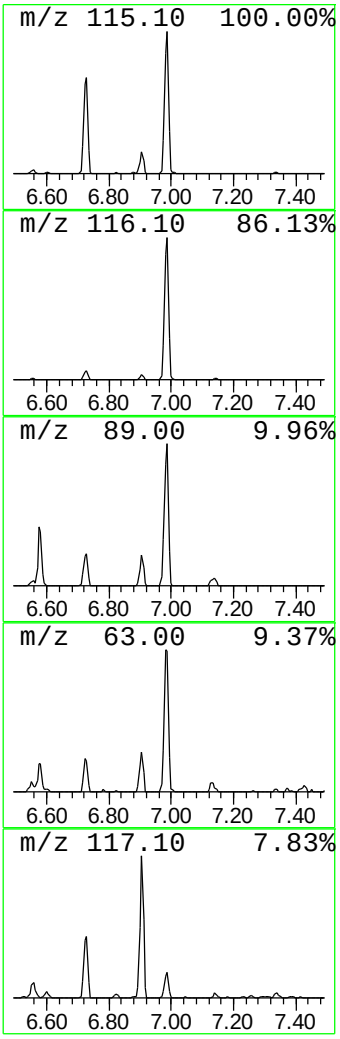
****

Peak Number 2 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	9.34 ng	593001	1,4-Dichlorobenzene-d4	6.73

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	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101997.D
Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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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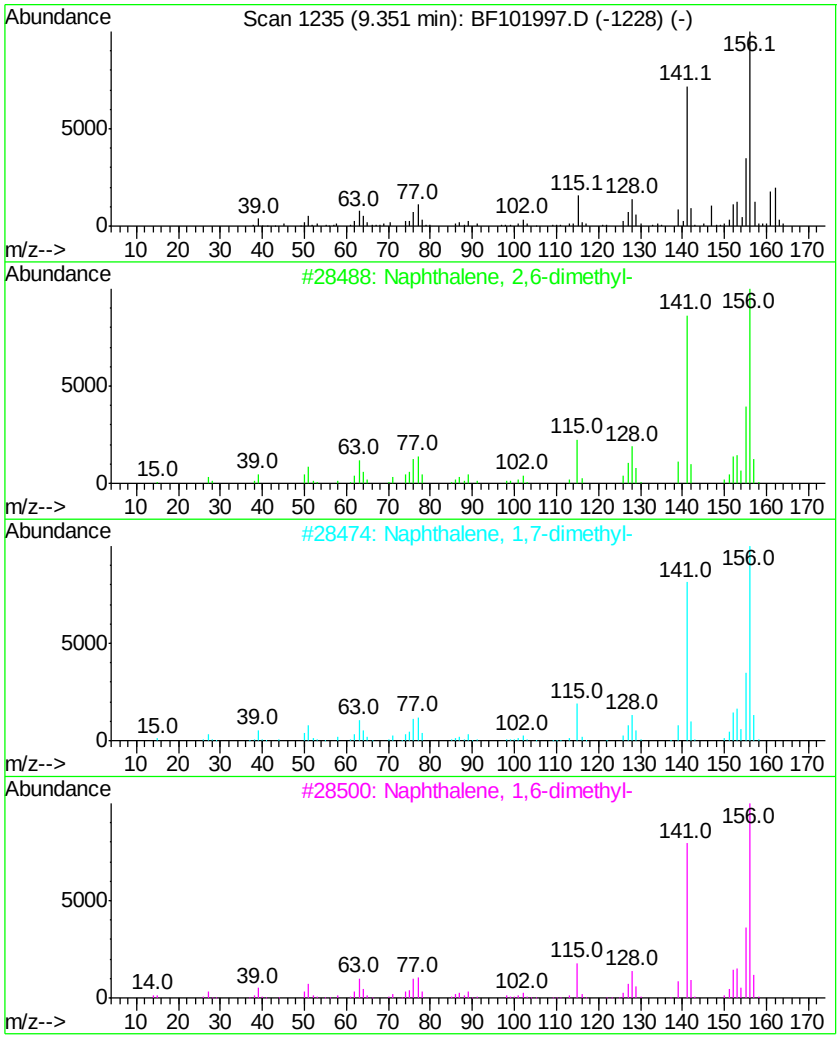
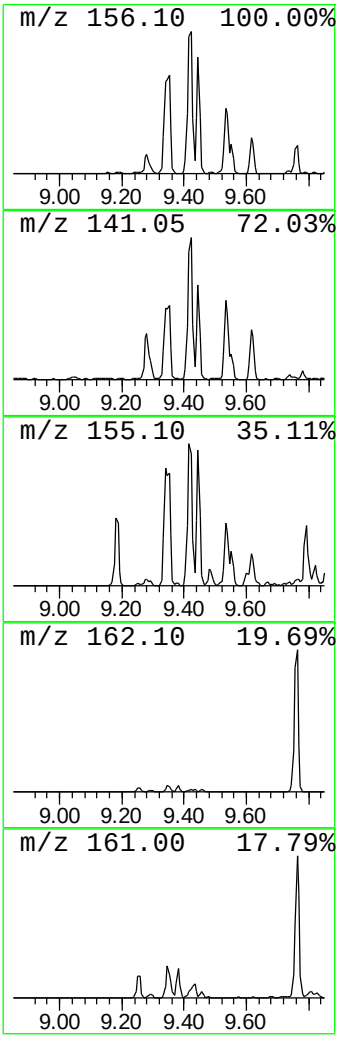
Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	5.69 ng	541936	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, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101997.D
Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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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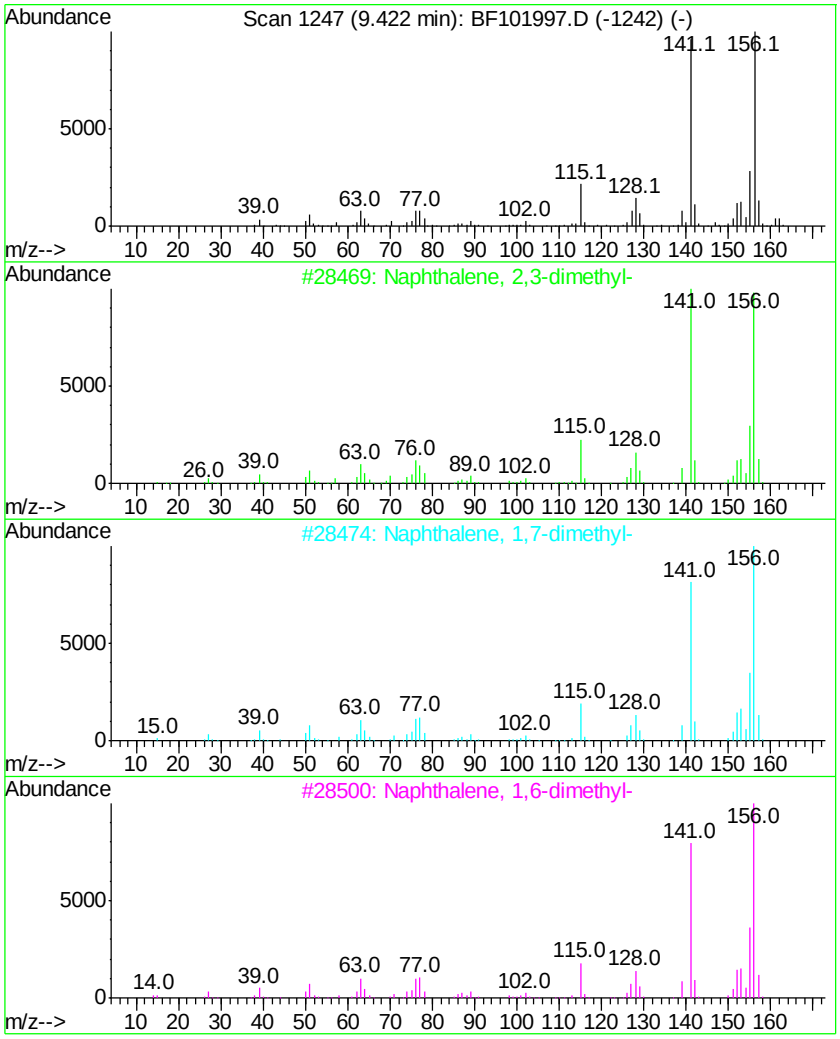
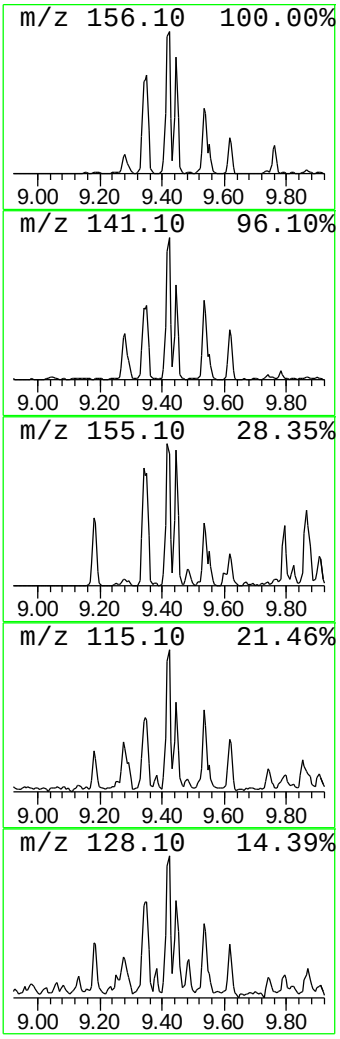
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	6.04 ng	575058	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	98
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101997.D
Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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

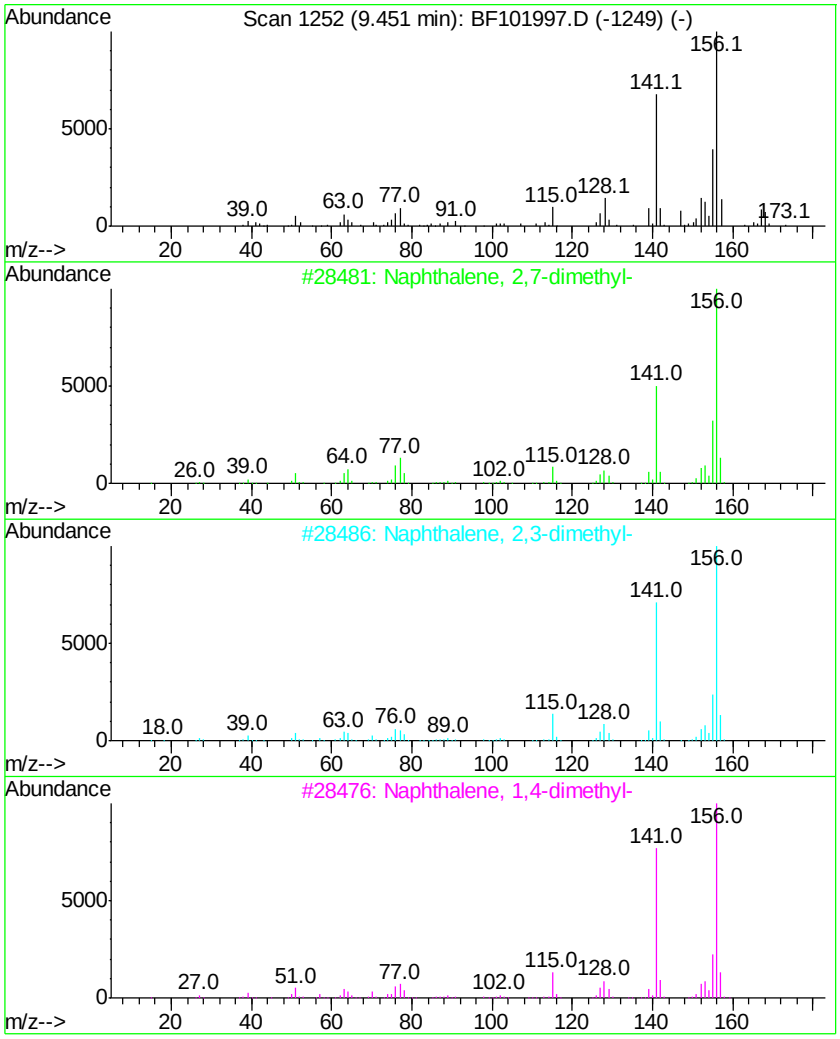
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

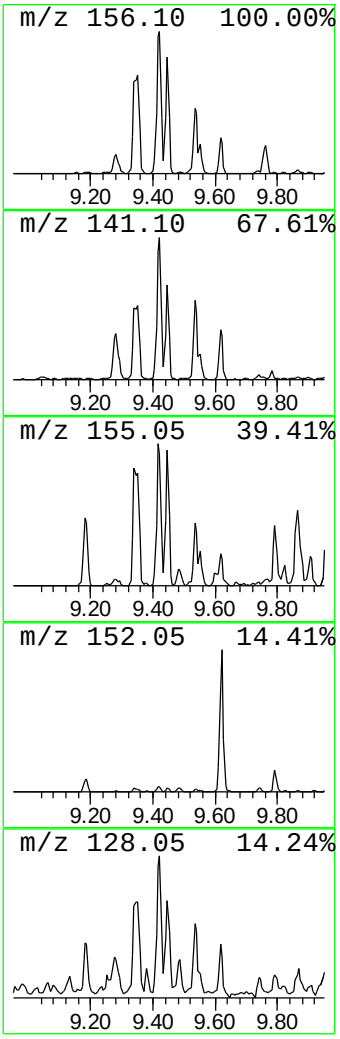
****

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	3.55 ng	337893	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101997.D
Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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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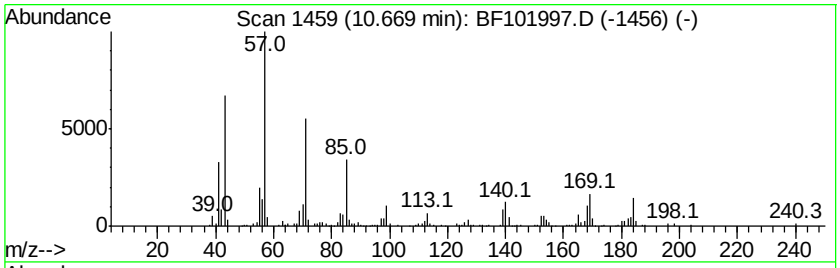
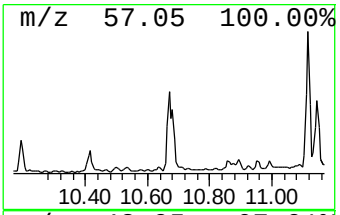
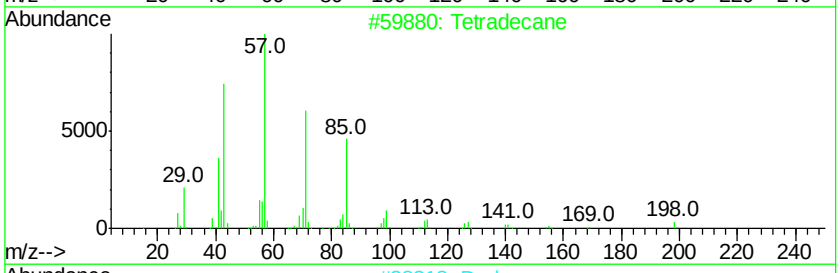
Peak Number 6 Tetradecane Concentration Rank 14

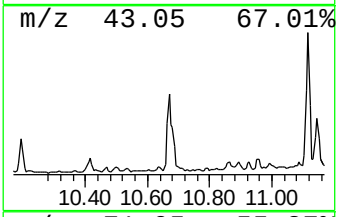
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	4.33 ng	368434	Phenanthrene-d10	11.25

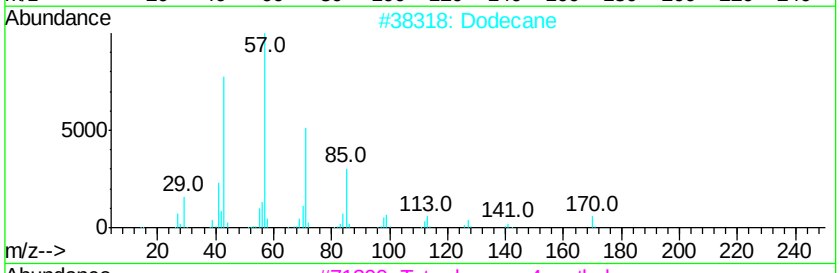
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Dodecane	170	C12H26	000112-40-3	86
3	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	64
4	5-Ethyldecane	170	C12H26	017302-36-2	60
5	Hexadecane	226	C16H34	000544-76-3	58

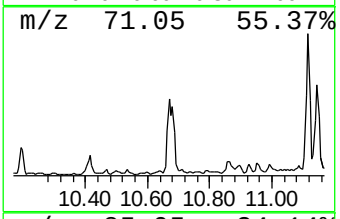


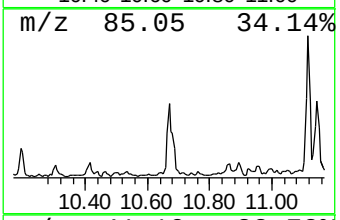


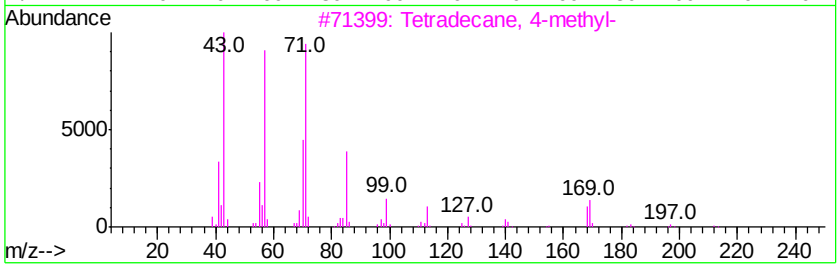


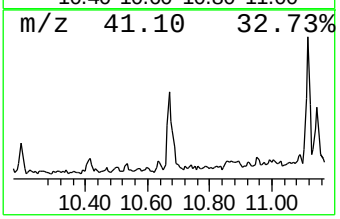












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Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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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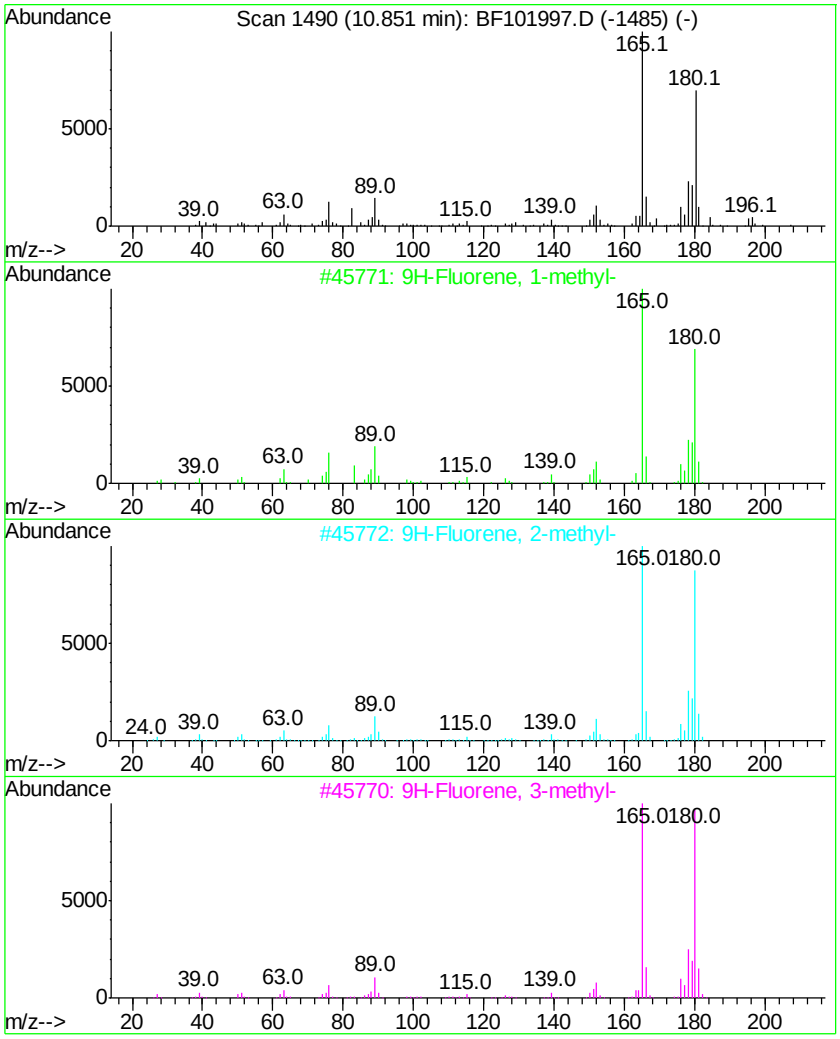
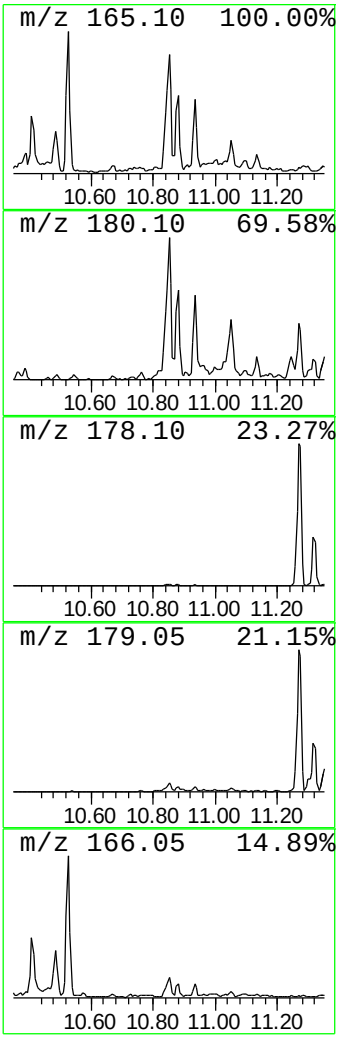
Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	3.60 ng	306556	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	72





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Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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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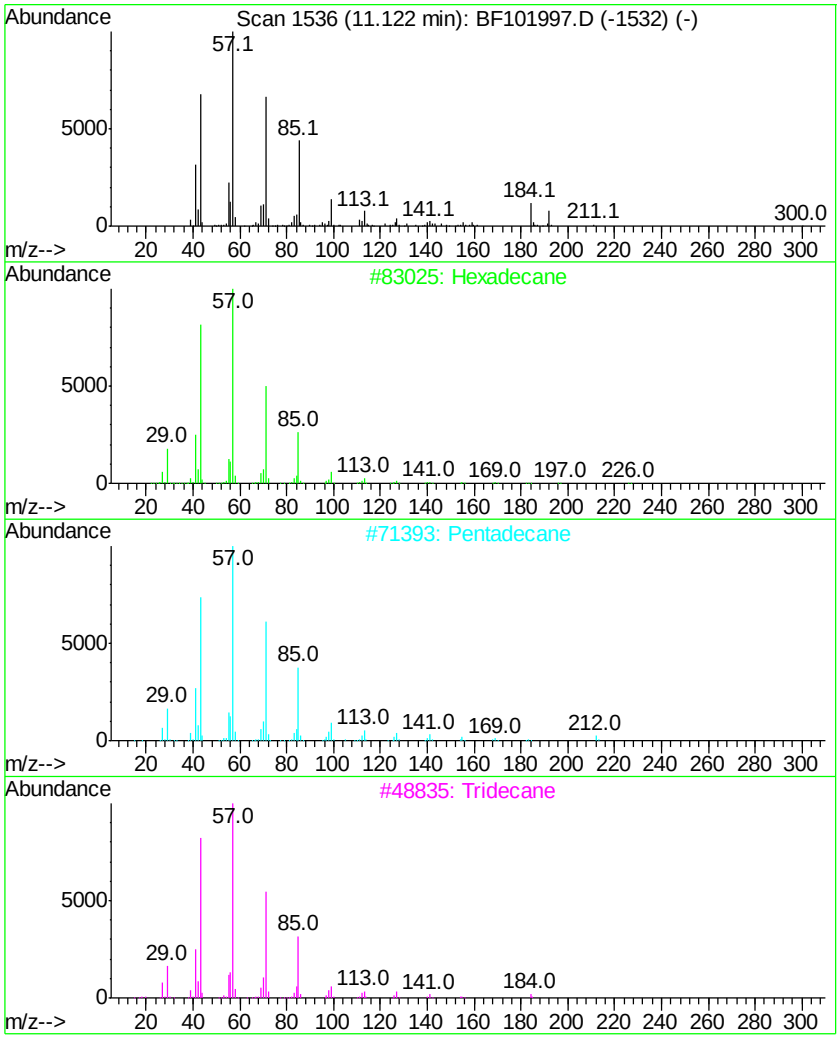
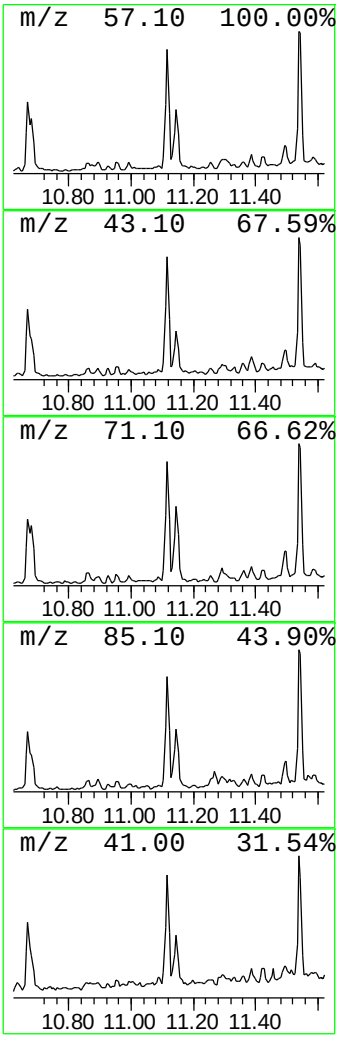
Peak Number 8 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	4.45 ng	379129	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Pentadecane	212	C15H32	000629-62-9	90
3	Tridecane	184	C13H28	000629-50-5	87
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	80





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Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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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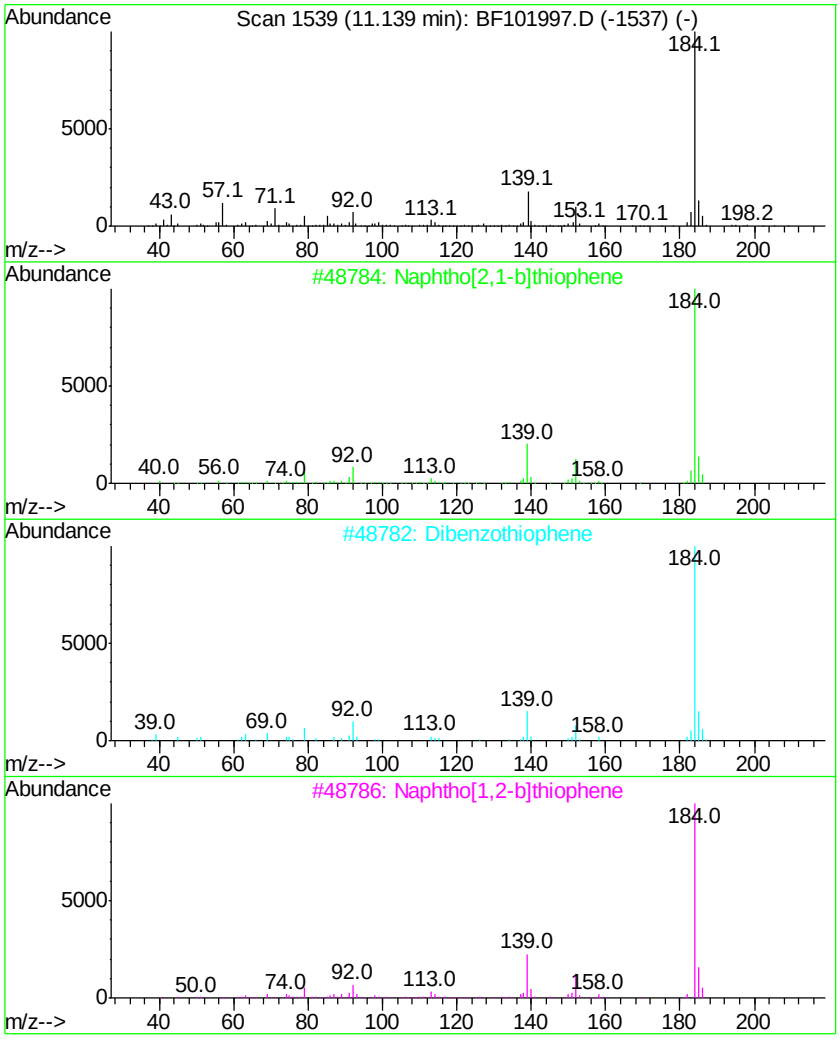
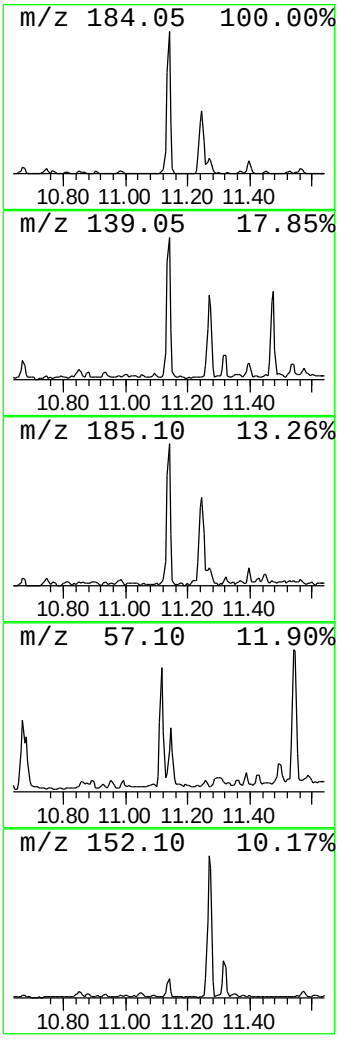
Peak Number 9 Naphtho[2,1-b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	7.20 ng	613123	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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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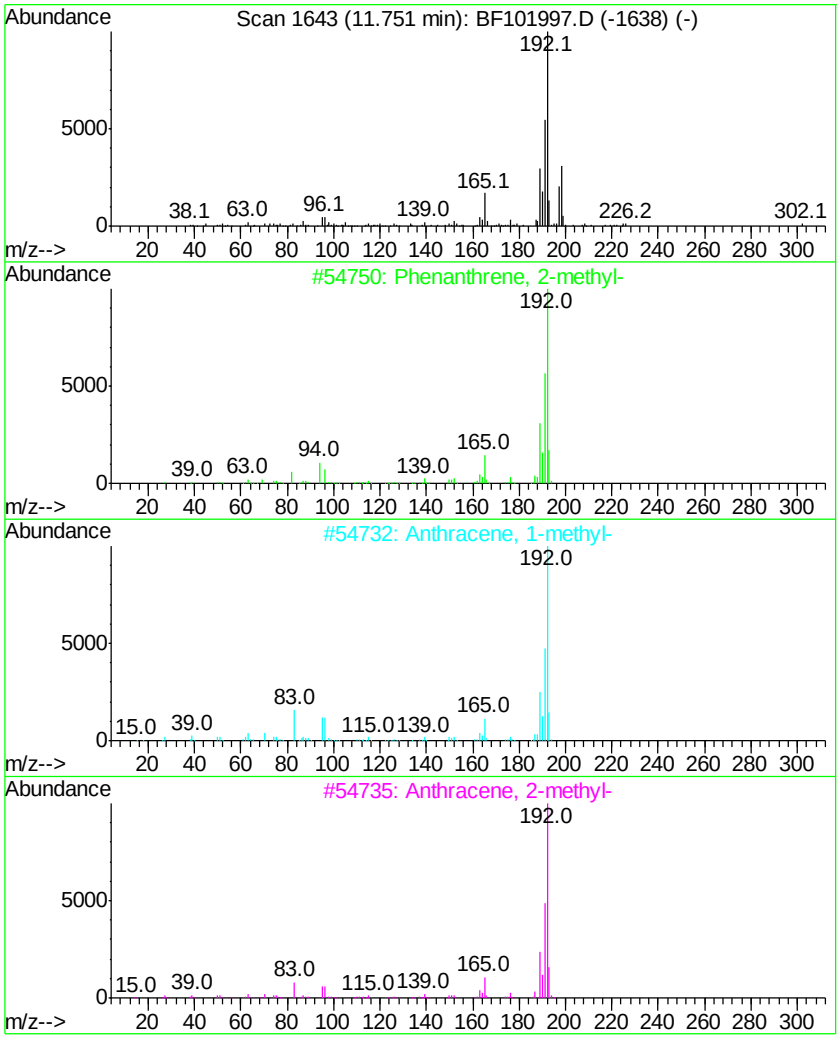
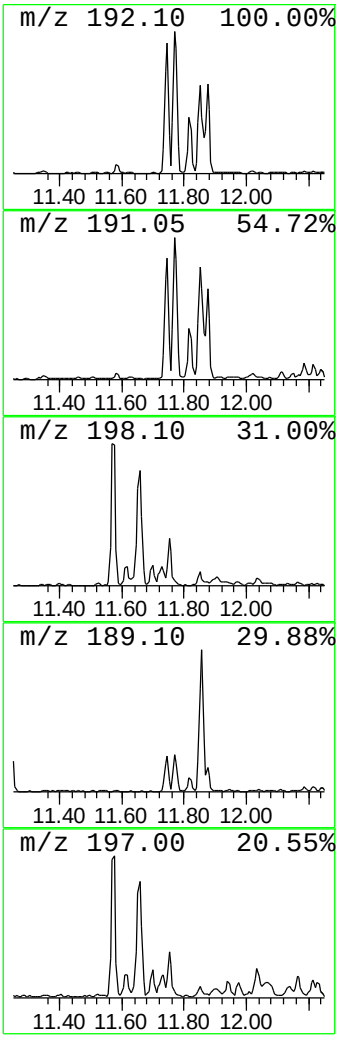
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	5.13 ng	436984	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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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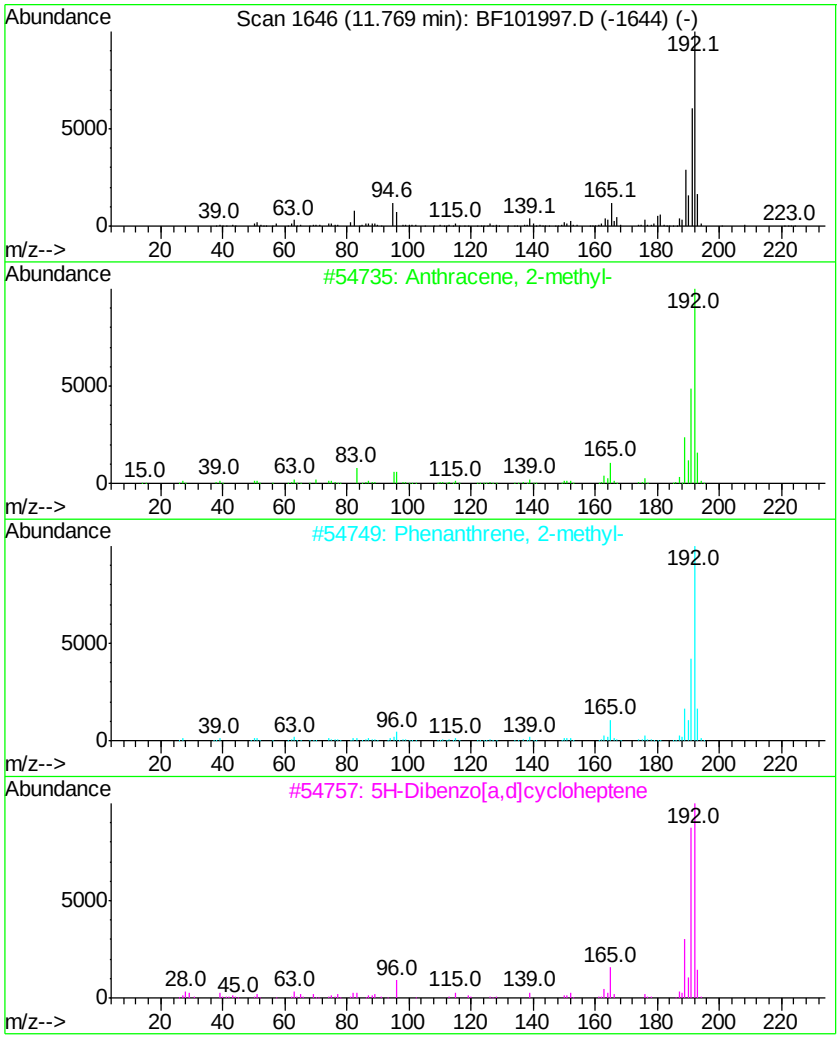
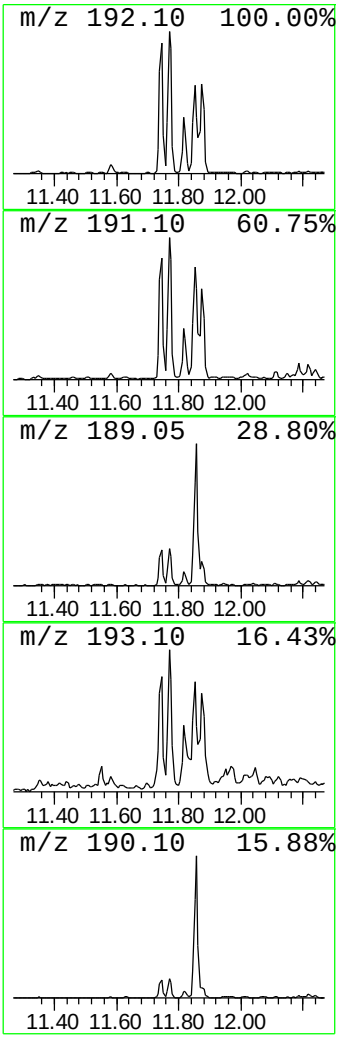
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	6.71 ng	571634	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92





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Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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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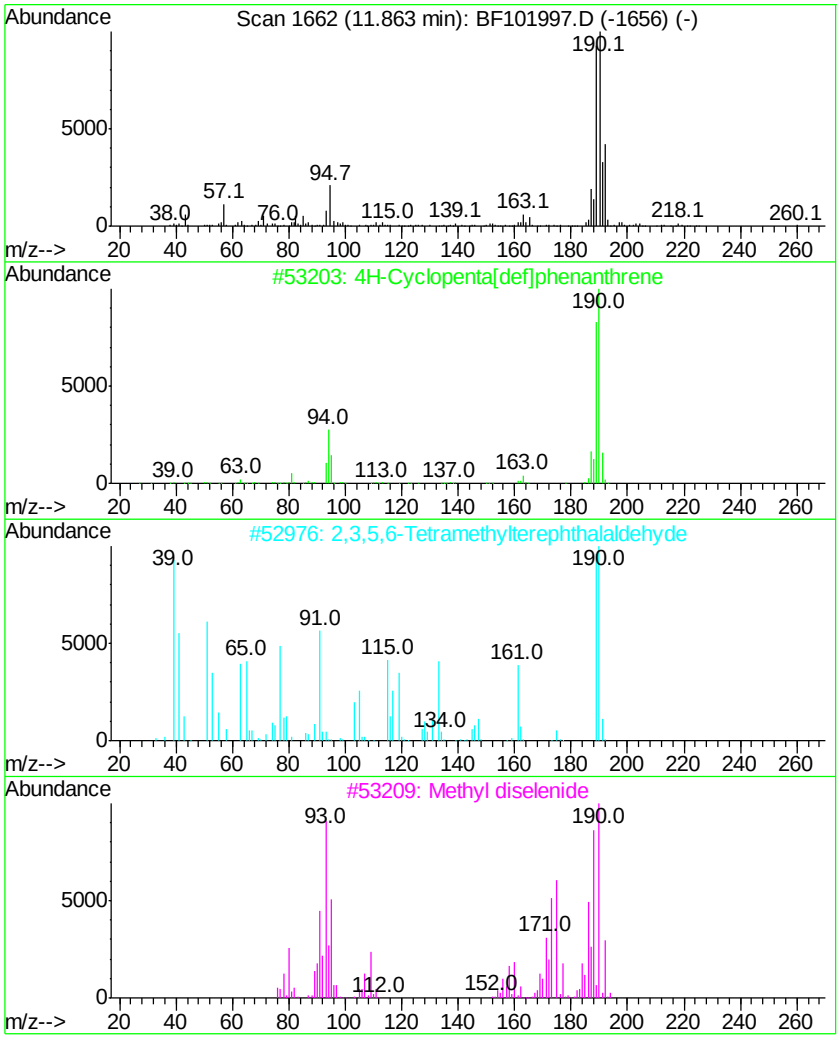
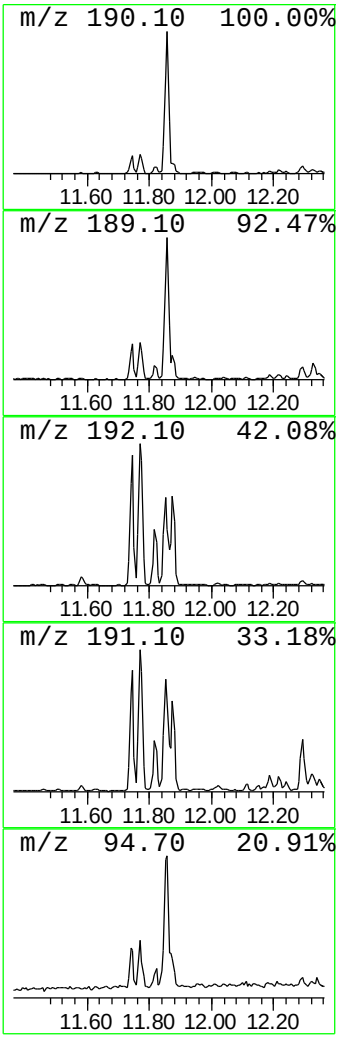
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	10.96 ng	932913	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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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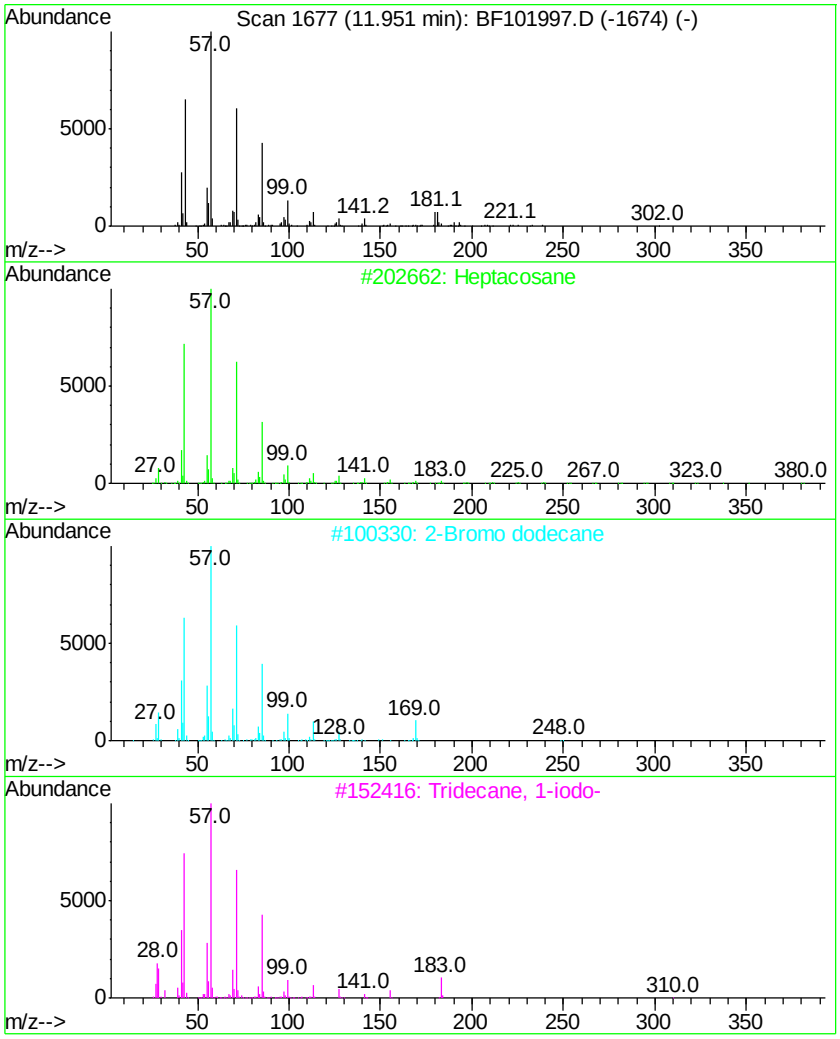
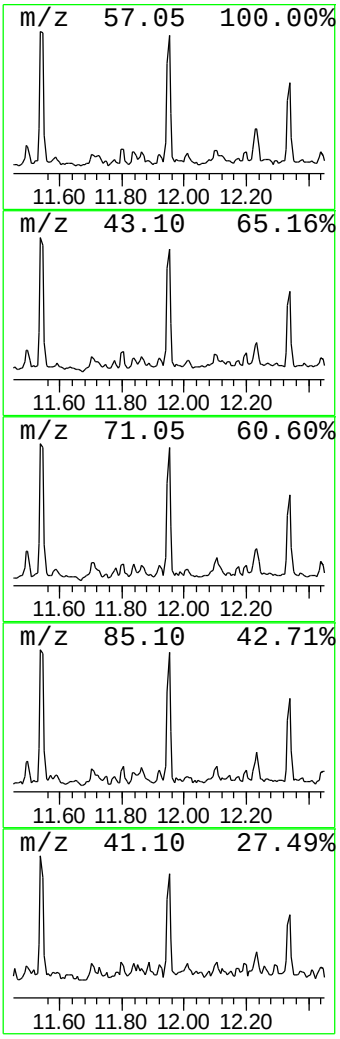
Peak Number 14 Heptacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	4.47 ng	380964	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	90
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	86
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
4	Heneicosane	296	C21H44	000629-94-7	86
5	Hexadecane	226	C16H34	000544-76-3	86





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Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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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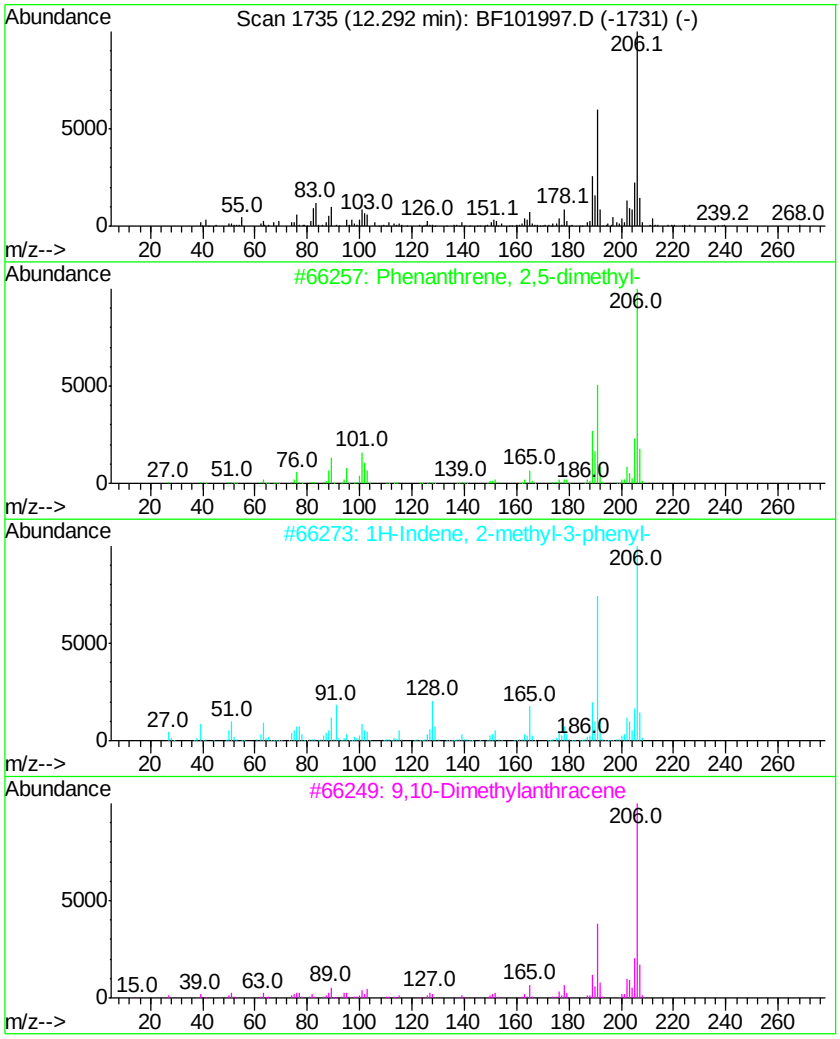
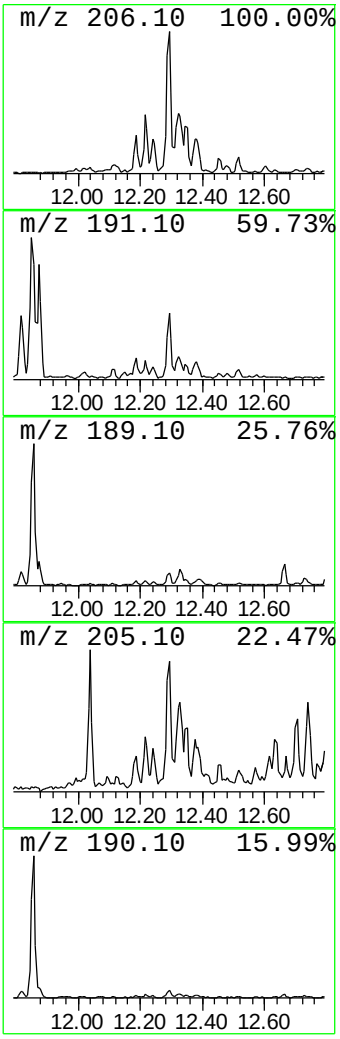
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	3.64 ng	309846	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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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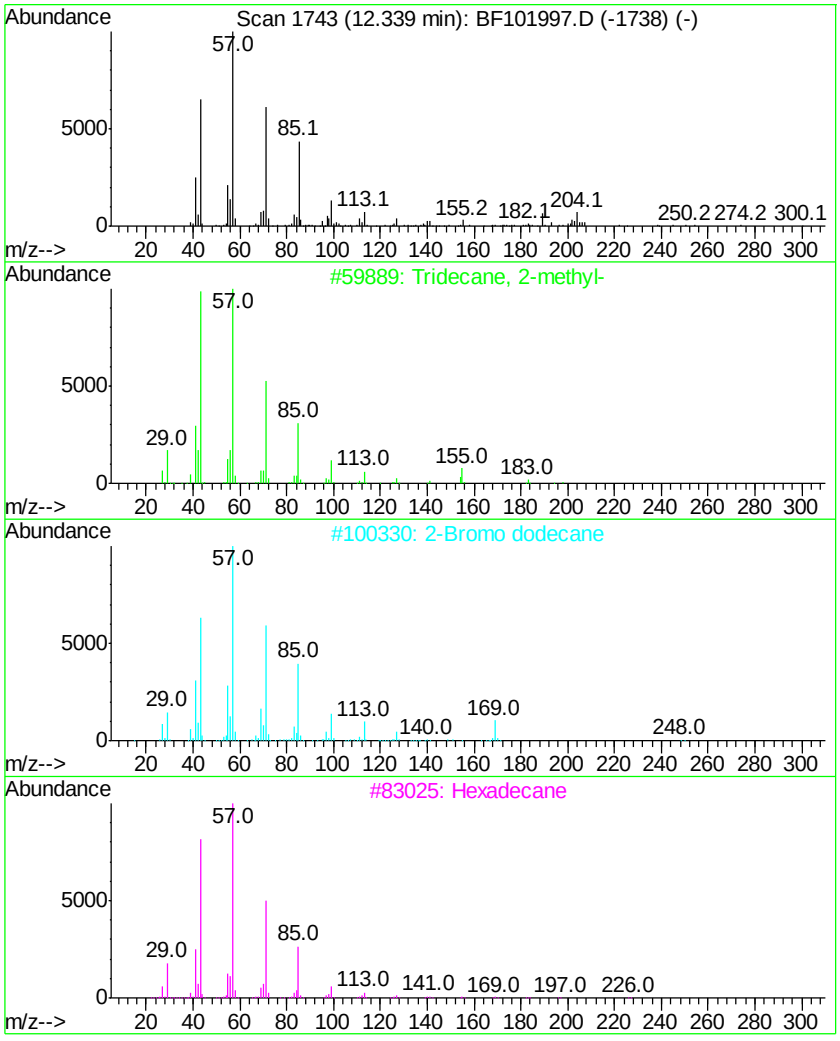
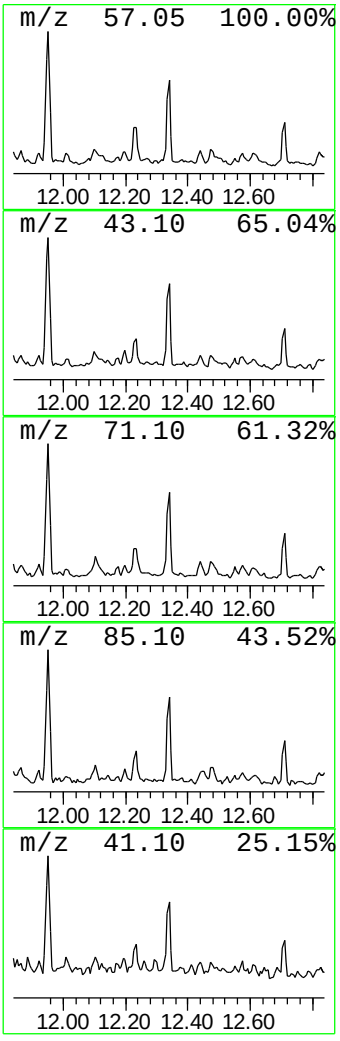
Peak Number 16 Tridecane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	5.65 ng	480892	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-	198	C14H30	001560-96-9	87
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	86
3	Hexadecane	226	C16H34	000544-76-3	80
4	Pentadecane	212	C15H32	000629-62-9	80
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80





Library Search Compound Report

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Data File : BF101997.D
Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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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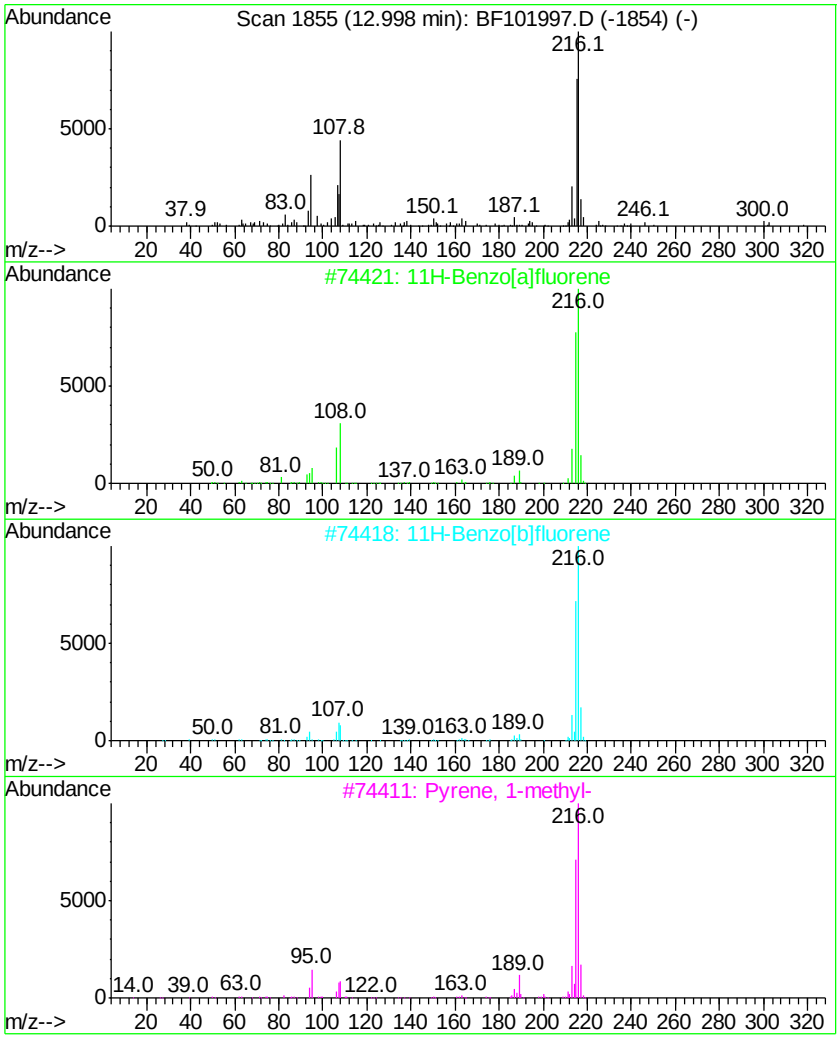
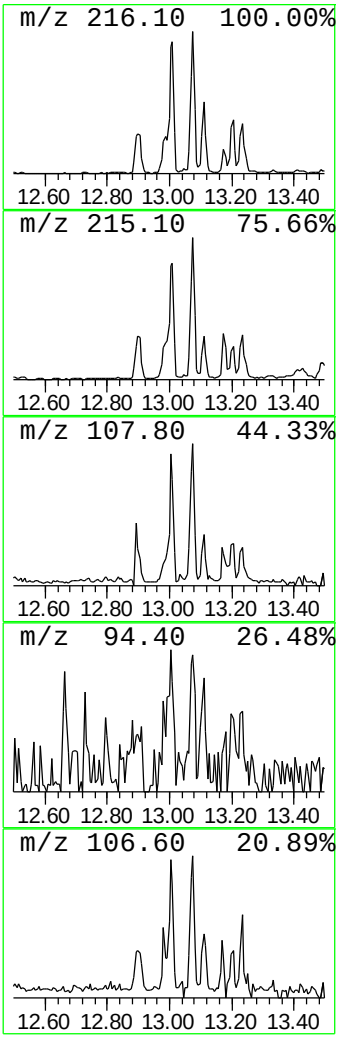
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	4.06 ng	405857	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72





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Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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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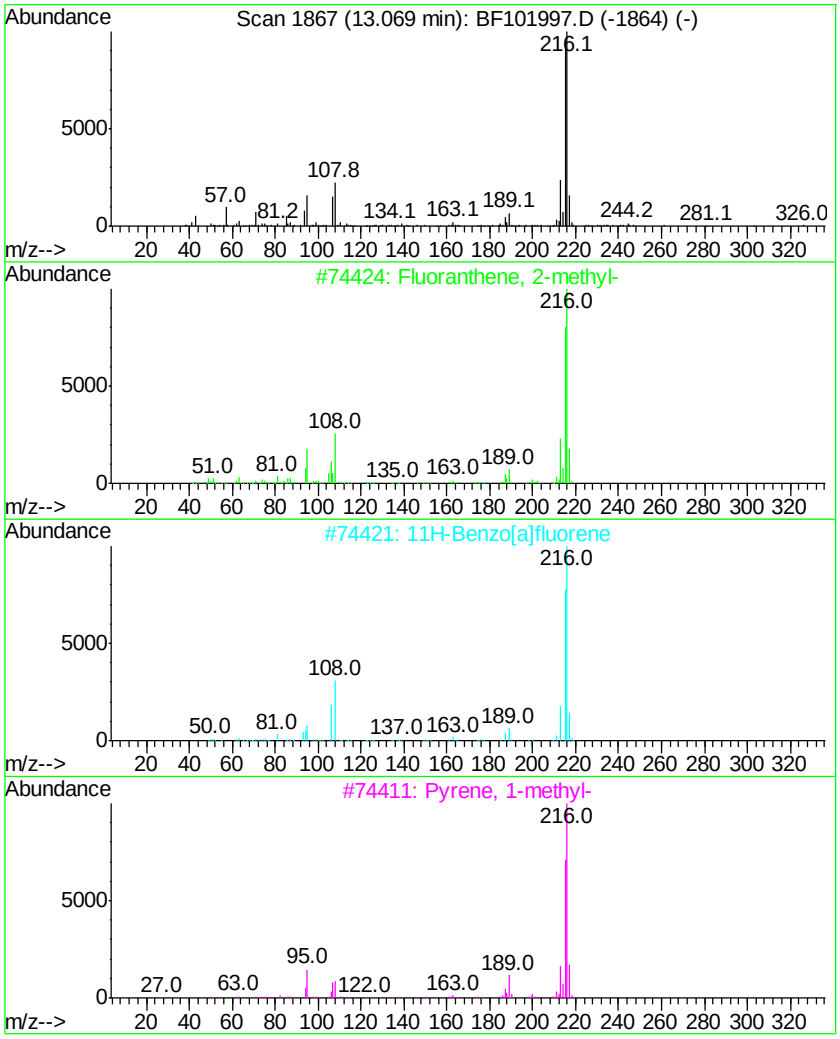
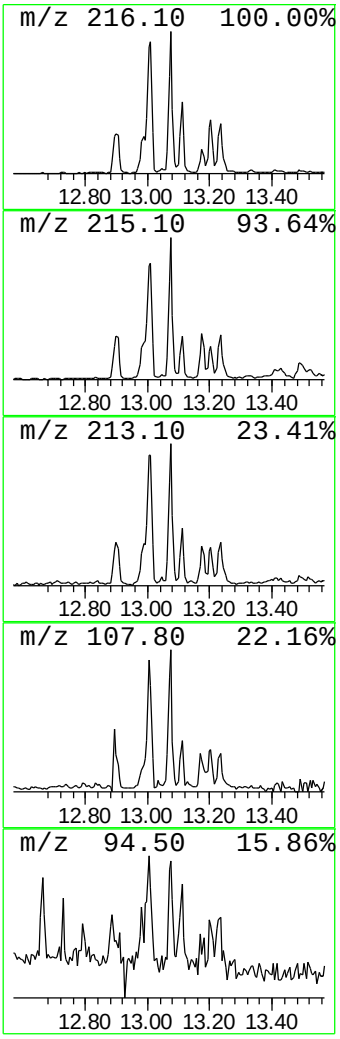
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	3.87 ng	387193	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101997.D
Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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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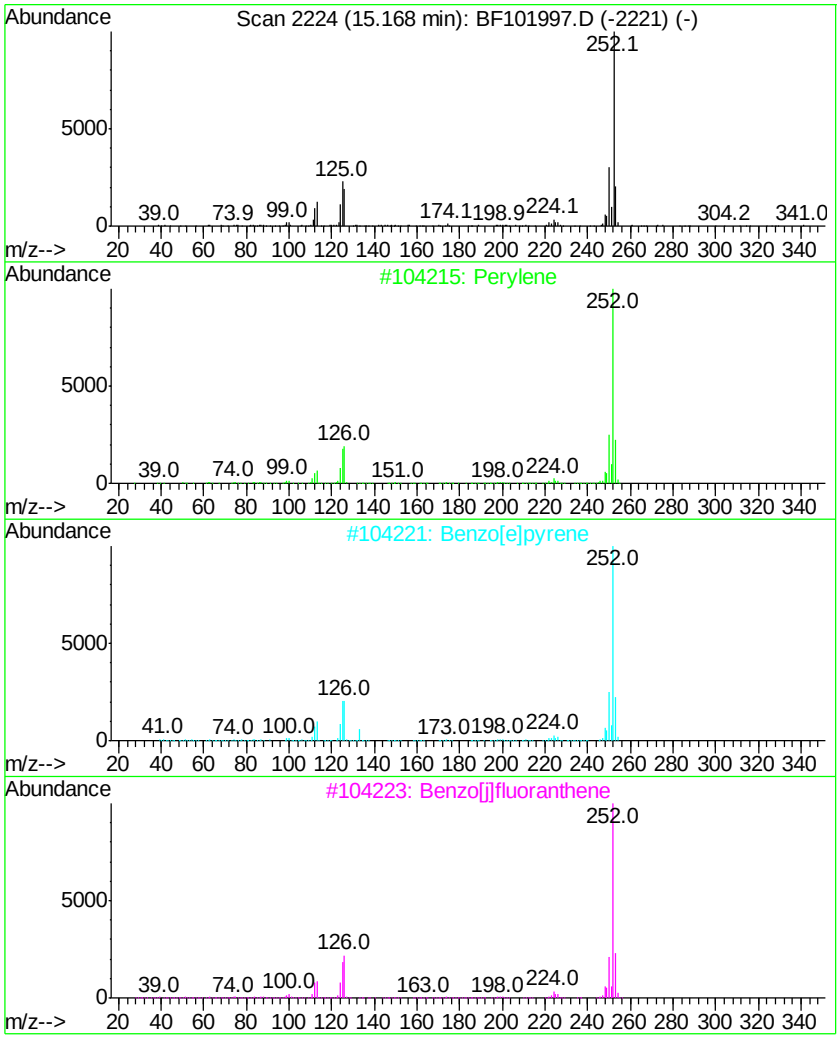
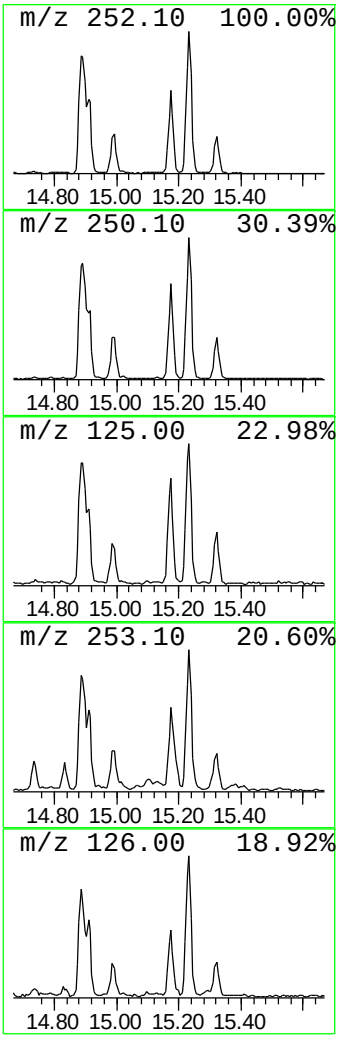
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	8.86 ng	504176	Perylene-d12	15.29

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





Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_F\DATA\BF011018\
Data File : BF101997.D
Acq On : 10 Jan 2018 23:30
Operator : SJ/JU
Sample : J1076-14 50X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-14767779-01

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
Benzene, cyclopro...	6.90	3.9	ng	246252	1	6.73	1270220	20.0
Indene	6.99	9.3	ng	593001	1	6.73	1270220	20.0
Naphthalene, 2,6-...	9.35	5.7	ng	541936	3	9.76	1904340	20.0
Naphthalene, 2,3-...	9.42	6.0	ng	575058	3	9.76	1904340	20.0
Naphthalene, 2,7-...	9.45	3.5	ng	337893	3	9.76	1904340	20.0
Tetradecane	10.67	4.3	ng	368434	4	11.25	1703110	20.0
9H-Fluorene, 1-me...	10.85	3.6	ng	306556	4	11.25	1703110	20.0
Hexadecane	11.12	4.5	ng	379129	4	11.25	1703110	20.0
Naphtho[2,1-b]thi...	11.14	7.2	ng	613123	4	11.25	1703110	20.0
Phenanthrene, 2-m...	11.75	5.1	ng	436984	4	11.25	1703110	20.0
Anthracene, 2-met...	11.77	6.7	ng	571634	4	11.25	1703110	20.0
4H-Cyclopenta[def...	11.86	11.0	ng	932913	4	11.25	1703110	20.0
Heptacosane	11.95	4.5	ng	380964	4	11.25	1703110	20.0
Phenanthrene, 2,5...	12.29	3.6	ng	309846	4	11.25	1703110	20.0
Tridecane, 2-methyl-	12.34	5.7	ng	480892	4	11.25	1703110	20.0
11H-Benzo[a]fluorene	13.00	4.1	ng	405857	5	13.87	1999530	20.0
Fluoranthene, 2-m...	13.07	3.9	ng	387193	5	13.87	1999530	20.0
Perylene	15.17	8.9	ng	504176	6	15.29	1138720	20.0