LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107421.D
Acq On : 16 Jul 2018 23:49
Operator : JU/SJ
Sample : J3821-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-071218-B

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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	5.207	481	488	493	rVB	227616	254975	3.59%	0.412%
2	5.601	550	555	558	rVB	2032572	1728822	24.31%	2.796%
3	6.601	716	725	729	rVV	1985302	1964588	27.63%	3.177%
4	6.748	746	750	753	rBV	2269579	1878052	26.41%	3.037%
5	6.801	756	759	763	rBV2	286626	264724	3.72%	0.428%
6	6.978	786	789	792	rVV	1238794	1079145	15.18%	1.745%
7	7.137	810	816	819	rBV	1890604	1609913	22.64%	2.603%
8	7.248	833	835	838	rVB2	175556	147008	2.07%	0.238%
9	7.295	838	843	846	rBV2	238073	273093	3.84%	0.442%
10	7.372	850	856	859	rBV2	178990	231628	3.26%	0.375%
11	7.460	869	871	875	rVB	162165	152043	2.14%	0.246%
12	7.507	875	879	881	rBV	283231	306309	4.31%	0.495%
13	7.543	881	885	887	rVV	1304270	1236268	17.39%	1.999%
14	7.566	887	889	893	rVB2	240650	222009	3.12%	0.359%
15	7.619	893	898	901	rBV4	220885	318497	4.48%	0.515%
16	7.660	901	905	909	rBV4	151233	250477	3.52%	0.405%
17	7.772	921	924	932	rVB2	271006	392648	5.52%	0.635%
18	7.854	934	938	940	rBV3	129707	177319	2.49%	0.287%
19	7.907	944	947	950	rVV3	232163	285179	4.01%	0.461%
20	7.978	955	959	960	rVV3	117078	148557	2.09%	0.240%
21	8.001	960	963	965	rVV	453901	438581	6.17%	0.709%
22	8.025	965	967	969	rVV	250981	191553	2.69%	0.310%
23	8.072	972	975	978	rVV5	266864	322379	4.53%	0.521%
24	8.101	978	980	982	rVB	217256	157638	2.22%	0.255%
25	8.131	982	985	988	rVB3	219353	223222	3.14%	0.361%
26	8.237	1000	1003	1004	rBV	374897	340514	4.79%	0.551%
27	8.266	1005	1008	1010	rVV	1556815	1302867	18.32%	2.107%
28	8.307	1013	1015	1018	rVB2	418363	395007	5.56%	0.639%
29	8.348	1018	1022	1024	rBV3	215640	233777	3.29%	0.378%
30	8.413	1027	1033	1034	rBV5	142340	191493	2.69%	0.310%
31	8.460	1038	1041	1044	rVV2	364746	310226	4.36%	0.502%
32	8.507	1046	1049	1053	rVV2	206055	242530	3.41%	0.392%
33	8.548	1053	1056	1060	rVB4	424383	464000	6.53%	0.750%
34	8.642	1068	1072	1075	rBV4	149796	175591	2.47%	0.284%

LSC Area Percent Report

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Acq On : 16 Jul 2018 23:49
Operator : JU/SJ
Sample : J3821-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-071218-B

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.672	1075	1077	1079	rVB	381237	250674	3.53%	0.405%
36	8.701	1079	1082	1085	rBV2	223764	229201	3.22%	0.371%
37	8.725	1085	1086	1090	rVB4	142849	139311	1.96%	0.225%
38	8.766	1090	1093	1095	rBV	581813	476304	6.70%	0.770%
39	8.842	1104	1106	1111	rBV3	509257	411689	5.79%	0.666%
40	8.925	1117	1120	1126	rVB6	344047	435548	6.13%	0.704%
41	8.978	1126	1129	1131	rVB2	140384	135237	1.90%	0.219%
42	9.042	1136	1140	1142	rBV5	96080	180576	2.54%	0.292%
43	9.084	1144	1147	1149	rVV3	483257	401002	5.64%	0.648%
44	9.125	1152	1154	1156	rVV2	193532	163324	2.30%	0.264%
45	9.166	1159	1161	1164	rVB4	149431	169117	2.38%	0.273%
46	9.207	1164	1168	1170	rBV5	248133	268104	3.77%	0.434%
47	9.272	1177	1179	1182	rBV3	392793	307878	4.33%	0.498%
48	9.337	1187	1190	1195	rVB	2414951	2120230	29.82%	3.428%
49	9.407	1199	1202	1205	rBV	584374	522187	7.34%	0.844%
50	9.489	1214	1216	1218	rVB	276784	203335	2.86%	0.329%
51	9.595	1232	1234	1240	rBV6	134598	181584	2.55%	0.294%
52	9.678	1241	1248	1251	rVV7	144593	333446	4.69%	0.539%
53	9.731	1254	1257	1259	rVV	660249	562830	7.92%	0.910%
54	9.754	1259	1261	1265	rVB5	126753	172420	2.42%	0.279%
55	9.789	1265	1267	1270	rBV3	143408	155757	2.19%	0.252%
56	9.936	1290	1292	1295	rVV	334821	283717	3.99%	0.459%
57	10.025	1304	1307	1310	rVV2	1489750	1290002	18.14%	2.086%
58	10.054	1310	1312	1316	rVV	234313	239391	3.37%	0.387%
59	10.225	1338	1341	1345	rVB2	179692	171774	2.42%	0.278%
60	10.442	1374	1378	1380	rVB2	266949	243487	3.42%	0.394%
61	10.572	1397	1400	1403	rVB	210788	174221	2.45%	0.282%
62	10.660	1409	1415	1418	rBV3	137054	172401	2.42%	0.279%
63	10.813	1437	1441	1445	rVB	1250457	1100914	15.48%	1.780%
64	10.913	1455	1458	1468	rVB2	306900	451744	6.35%	0.730%
65	11.360	1531	1534	1537	rVV2	212705	215604	3.03%	0.349%
66	11.413	1541	1543	1546	rVB	177264	139378	1.96%	0.225%
67	11.519	1557	1561	1563	rBV	1377405	1334383	18.77%	2.158%
68	11.542	1563	1565	1568	rVV	1594424	1256521	17.67%	2.032%
69	11.589	1571	1573	1576	rVB	373571	304610	4.28%	0.493%
70	11.742	1596	1599	1603	rBV2	166799	150898	2.12%	0.244%
71	11.895	1621	1625	1628	rBV	2361603	1832334	25.77%	2.963%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3821-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-071218-B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.019	1643	1646	1649	rBV3	282638	336316	4.73%	0.544%
73	12.048	1649	1651	1654	rVB	312739	237528	3.34%	0.384%
74	12.130	1661	1665	1667	rBV2	375715	406182	5.71%	0.657%
75	12.154	1667	1669	1671	rVB	184134	139309	1.96%	0.225%
76	12.201	1674	1677	1679	rBV2	182481	155789	2.19%	0.252%
77	12.336	1698	1700	1707	rVB5	204733	200819	2.82%	0.325%
78	12.589	1737	1743	1745	rBV	6709922	7110236	100.00%	11.497%
79	12.607	1745	1746	1752	rVV2	4934821	3775734	53.10%	6.105%
80	12.689	1757	1760	1763	rVB	1116151	900039	12.66%	1.455%
81	12.736	1764	1768	1771	rBV	1931140	1768527	24.87%	2.860%
82	12.966	1801	1807	1812	rVV	1770091	2043818	28.74%	3.305%
83	13.101	1824	1830	1833	rBV	2023452	1920154	27.01%	3.105%
84	13.172	1840	1842	1847	rVB3	119104	173692	2.44%	0.281%
85	13.289	1855	1862	1865	rVB2	395304	568097	7.99%	0.919%
86	13.319	1865	1867	1869	rBV2	216557	165813	2.33%	0.268%
87	13.354	1871	1873	1876	rVB	252048	221919	3.12%	0.359%
88	13.395	1877	1880	1882	rBV2	240839	234294	3.30%	0.379%
89	13.448	1886	1889	1891	rVB2	161453	179802	2.53%	0.291%
90	13.519	1899	1901	1903	rBV2	156458	142237	2.00%	0.230%
91	13.795	1946	1948	1952	rVB	214167	229491	3.23%	0.371%
92	14.083	1995	1997	2000	rBV4	179678	166380	2.34%	0.269%
93	14.166	2006	2011	2013	rBV3	1356114	1957825	27.54%	3.166%
94	14.189	2013	2015	2023	rVB	922572	860009	12.10%	1.391%
95	14.272	2026	2029	2032	rBV	224358	228924	3.22%	0.370%
96	14.307	2033	2035	2038	rBV3	241628	183791	2.58%	0.297%
97	14.619	2086	2088	2091	rVB3	296188	233751	3.29%	0.378%
98	15.242	2190	2194	2197	rBV	547661	761622	10.71%	1.232%
99	15.630	2257	2260	2265	rVB2	366723	478001	6.72%	0.773%
100	15.701	2268	2272	2277	rBV	689590	970118	13.64%	1.569%

Sum of corrected areas: 61841982

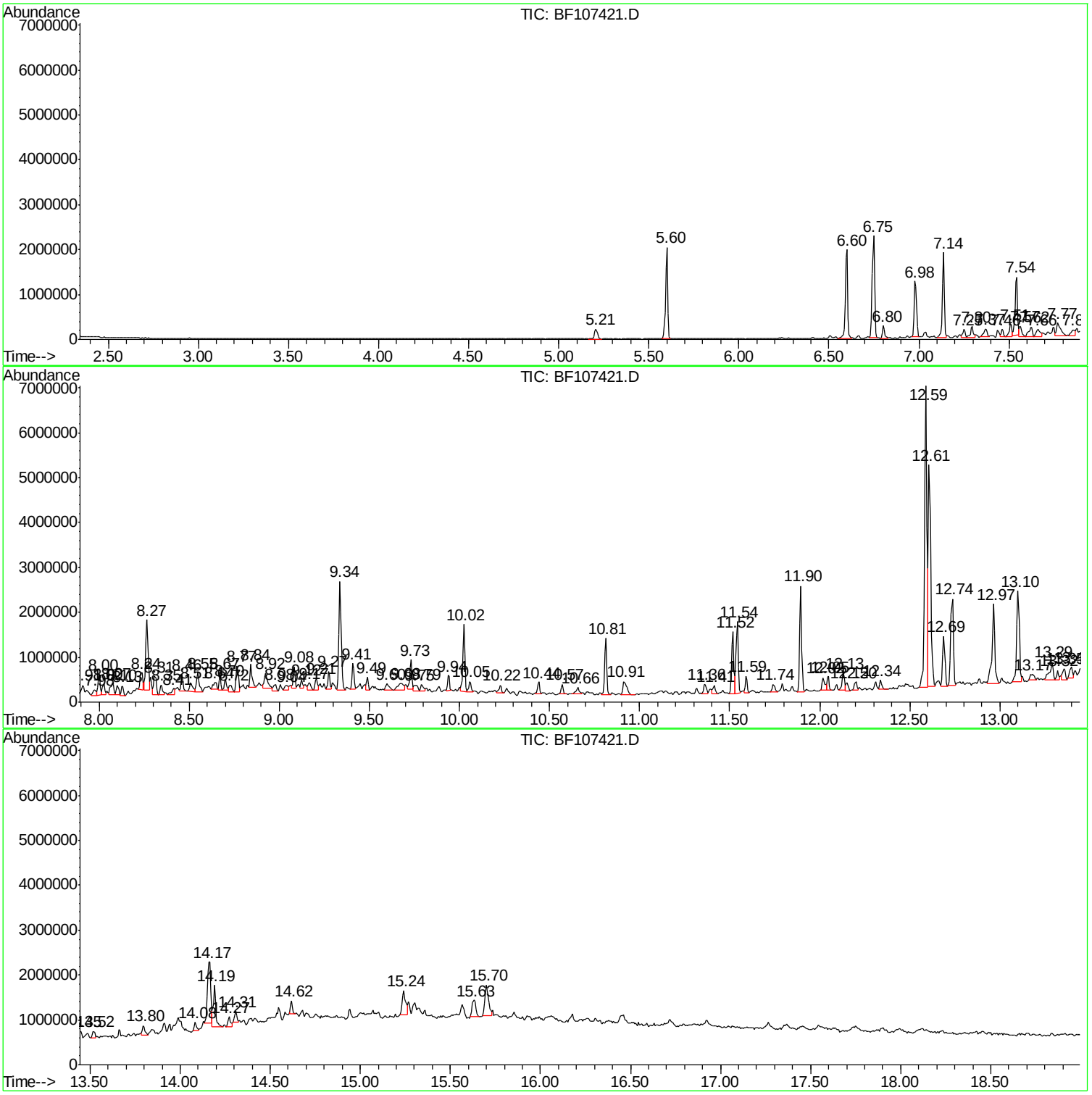
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107421.D
Acq On : 16 Jul 2018 23:49
Operator : JU/SJ
Sample : J3821-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-071218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107421.D
Acq On : 16 Jul 2018 23:49
Operator : JU/SJ
Sample : J3821-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-071218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

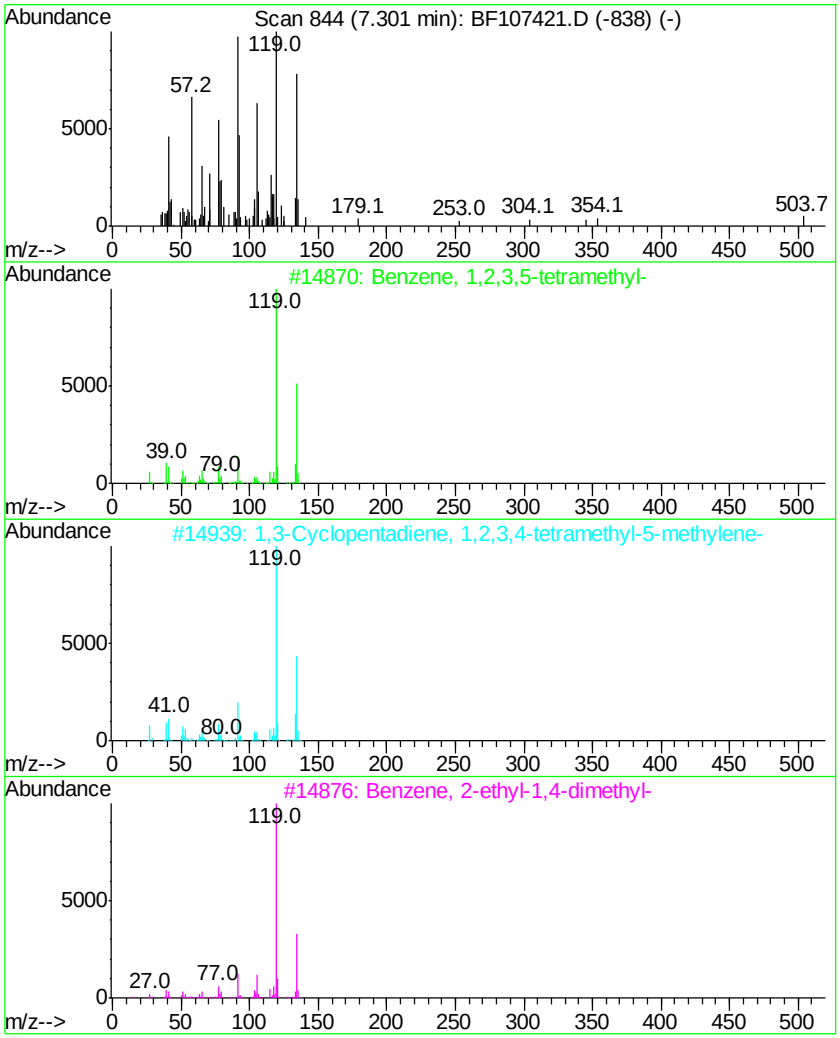
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

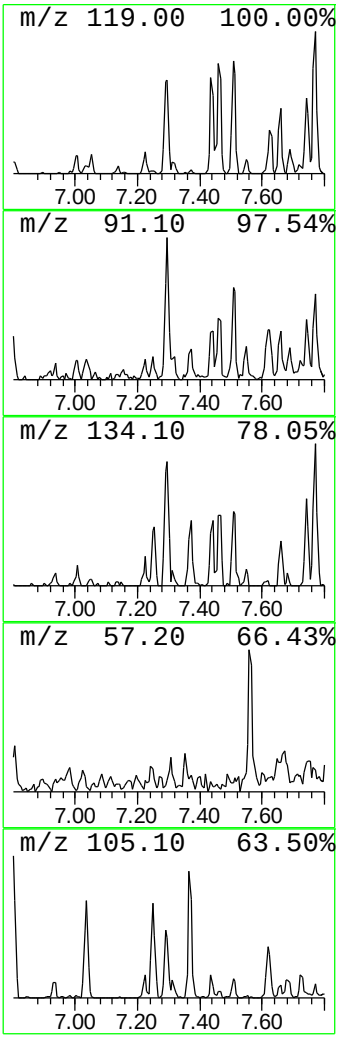
****

Peak Number 3 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	5.06 ng	273093	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	87
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
4	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	87
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107421.D
Acq On : 16 Jul 2018 23:49
Operator : JU/SJ
Sample : J3821-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-071218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

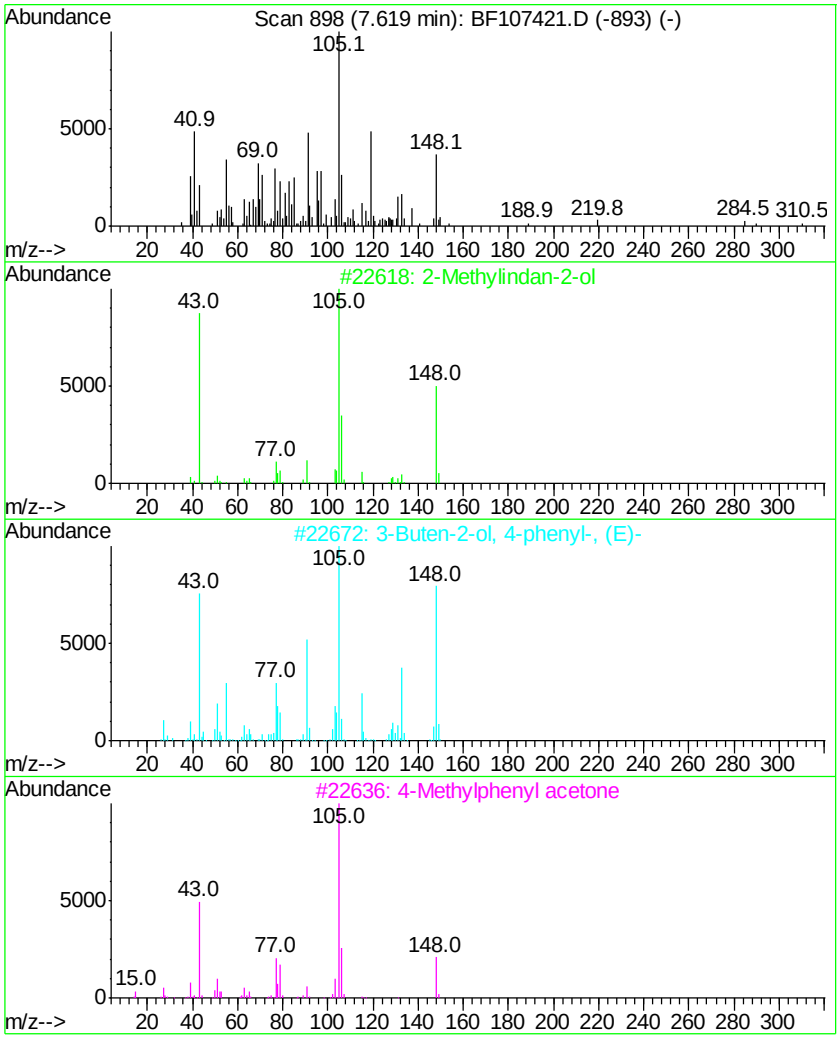
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

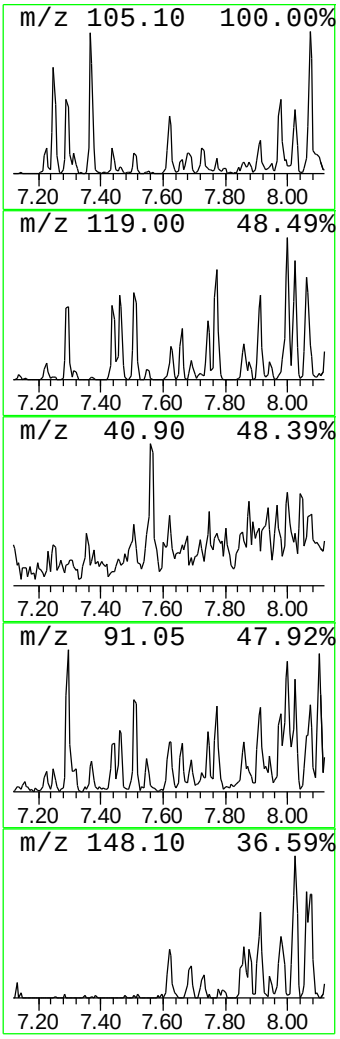
****

Peak Number 4 unknown7.62 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	5.90 ng	318497	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindan-2-ol	148	C10H12O	033223-84-6	22
2	3-Buten-2-ol, 4-phenyl-, (E)-	148	C10H12O	1000163-70-9	18
3	4-Methylphenyl acetone	148	C10H12O	002096-86-8	14
4	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	12
5	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	11





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

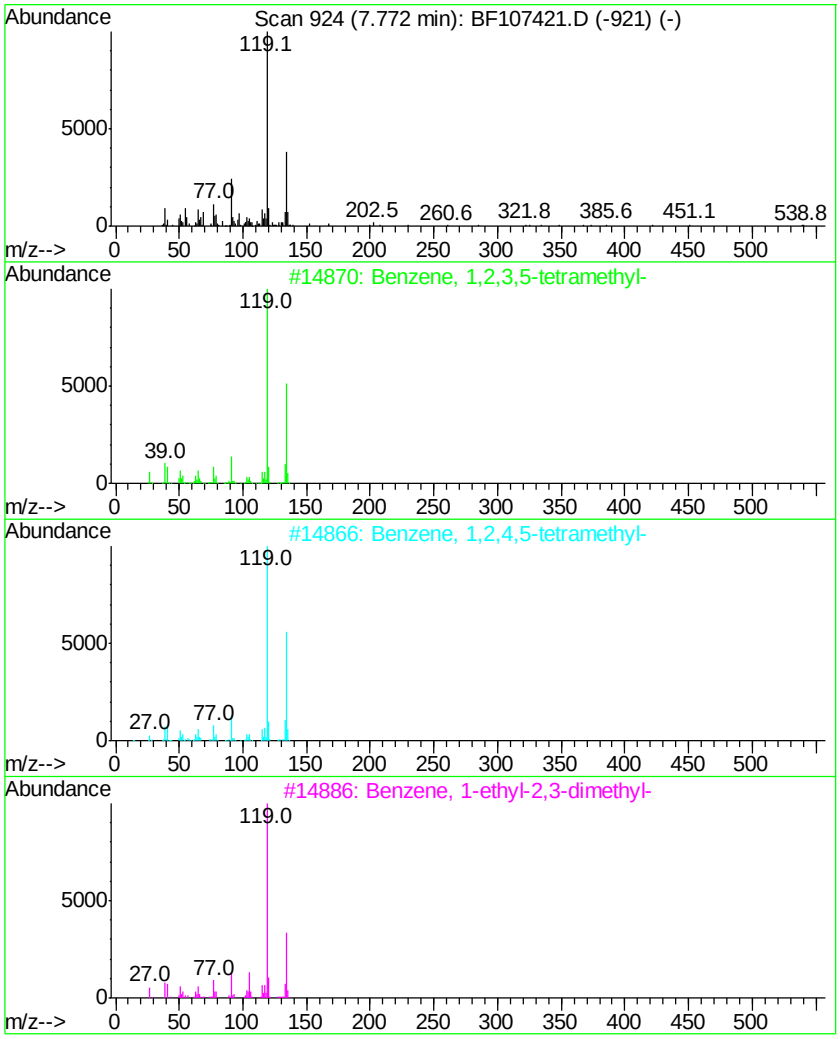
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

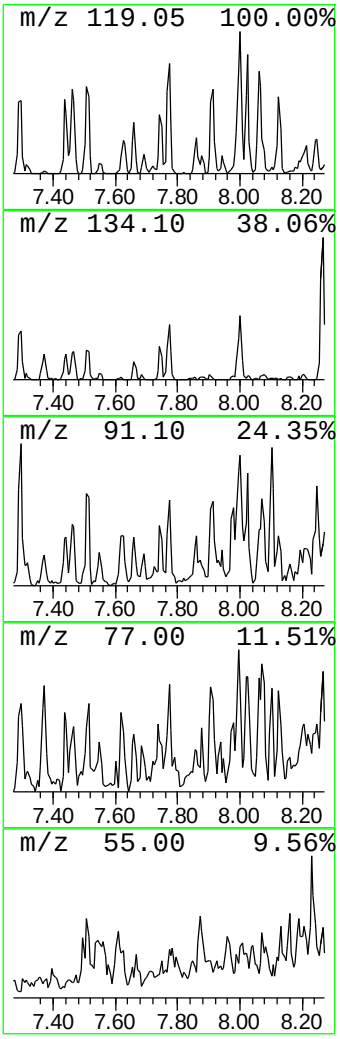
****

Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	6.03 ng	392648	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90





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Sample : J3821-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-071218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

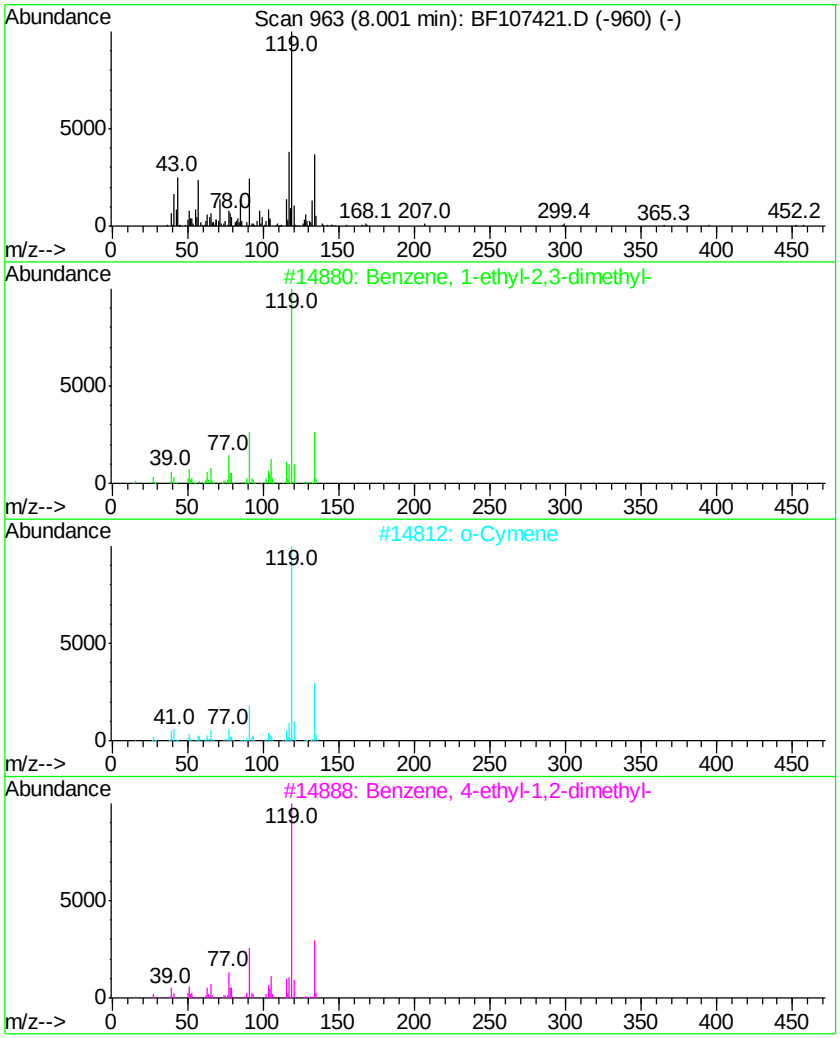
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

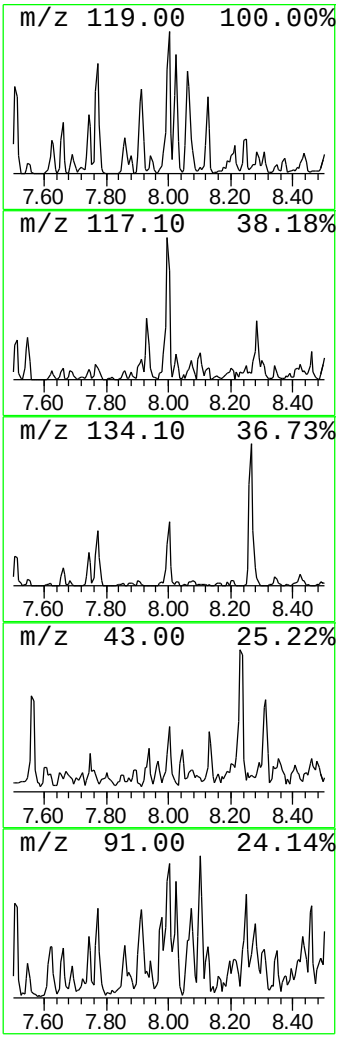
****

Peak Number 6 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	6.73 ng	438581	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	58
2	o-Cymene	134	C10H14	000527-84-4	58
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	58
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	53
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	53





Library Search Compound Report

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Data File : BF107421.D
Acq On : 16 Jul 2018 23:49
Operator : JU/SJ
Sample : J3821-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-071218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

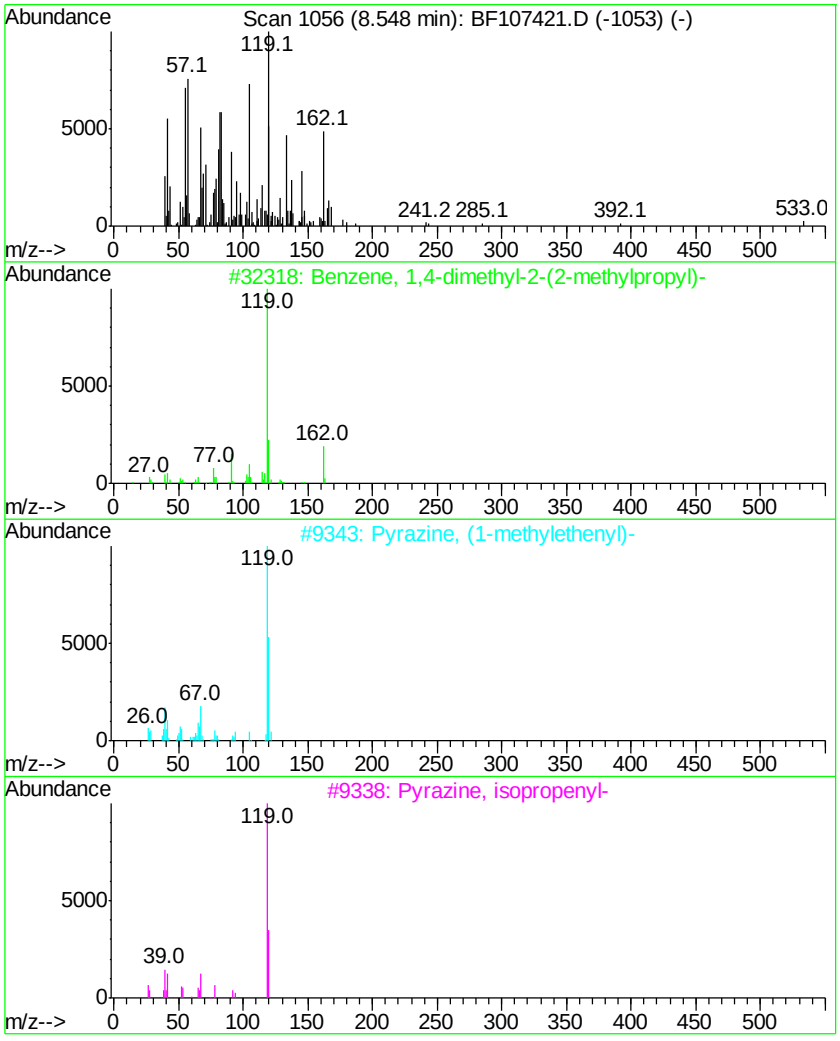
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

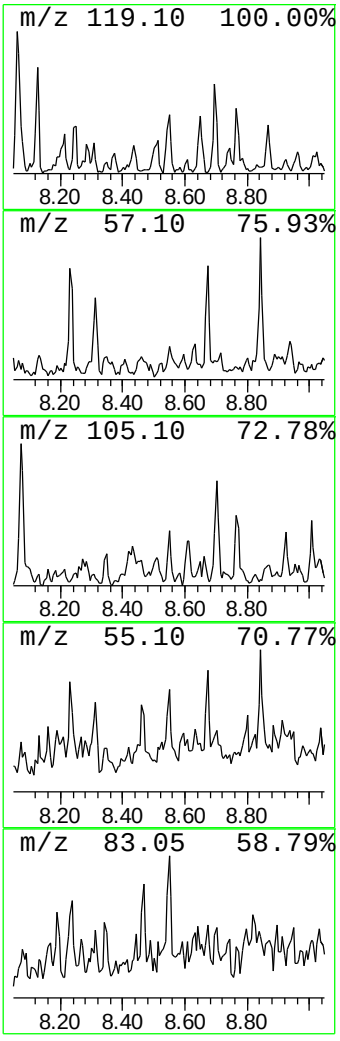
****

Peak Number 7 unknown8.55 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	7.12 ng	464000	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	25
2	Pyrazine, (1-methylethenyl)-	120	C7H8N2	038713-41-6	25
3	Pyrazine, isopropenyl-	120	C7H8N2	034413-32-6	22
4	1,5-Dimethyl-2-pyrrolecarbonitrile	120	C7H8N2	056341-36-7	22
5	Carbonic acid, isobutyl 4-cyanop...	219	C12H13NO3	1000357-83-6	12





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Acq On : 16 Jul 2018 23:49
Operator : JU/SJ
Sample : J3821-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-071218-B

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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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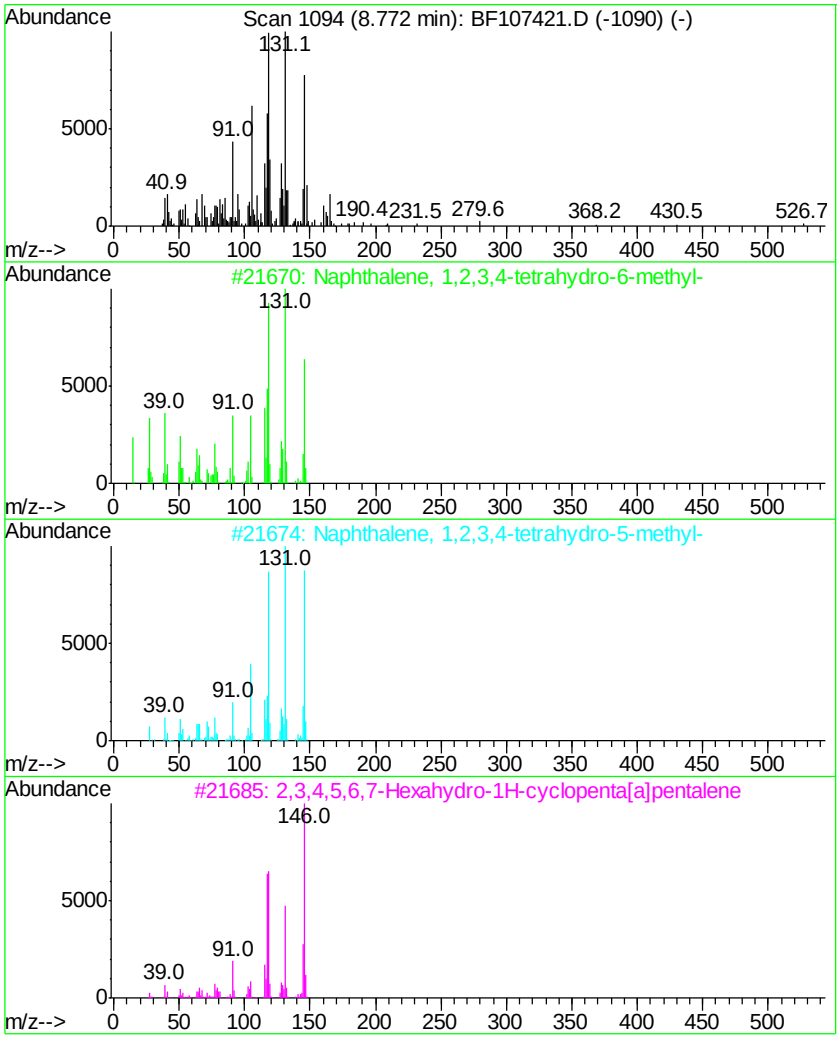
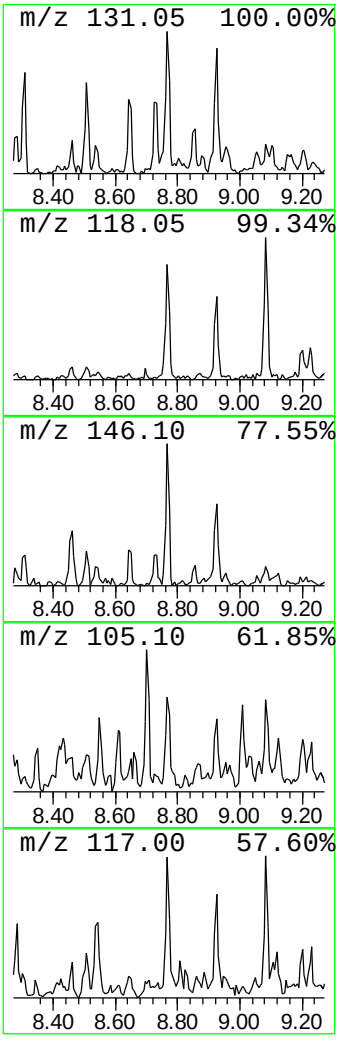
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	7.31 ng	476304	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	90
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	89
3	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	76
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	55
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	50





Library Search Compound Report

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Sample : J3821-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-071218-B

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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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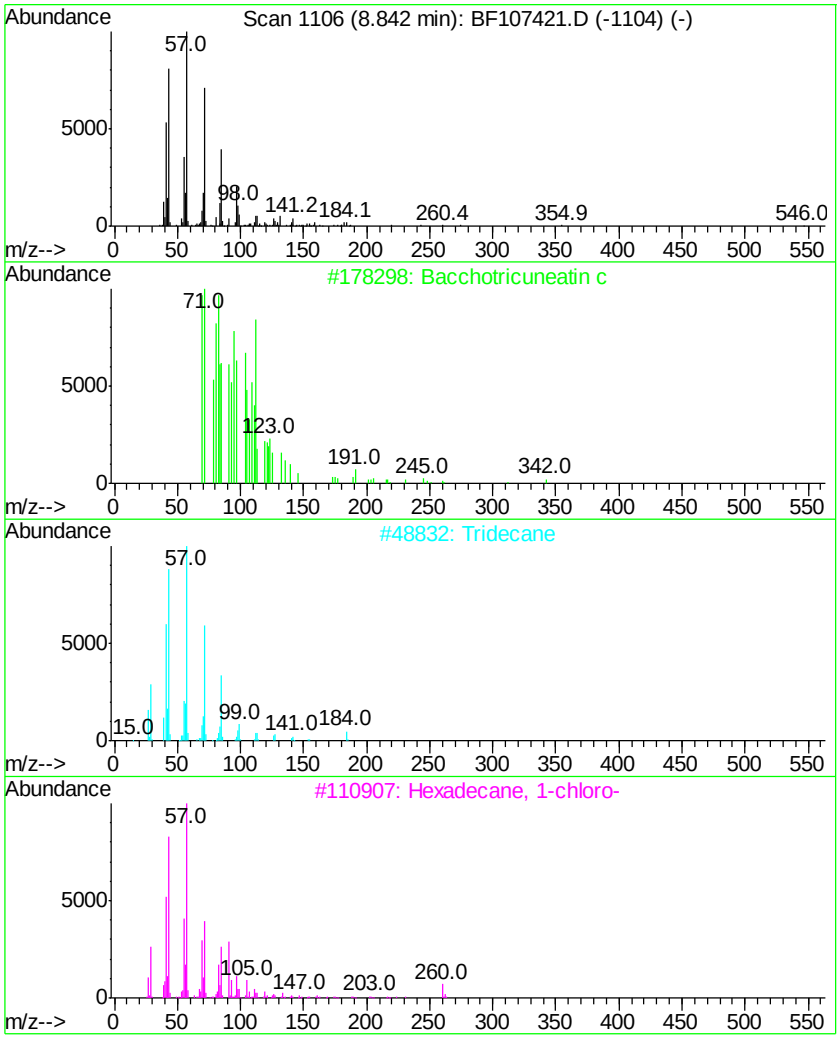
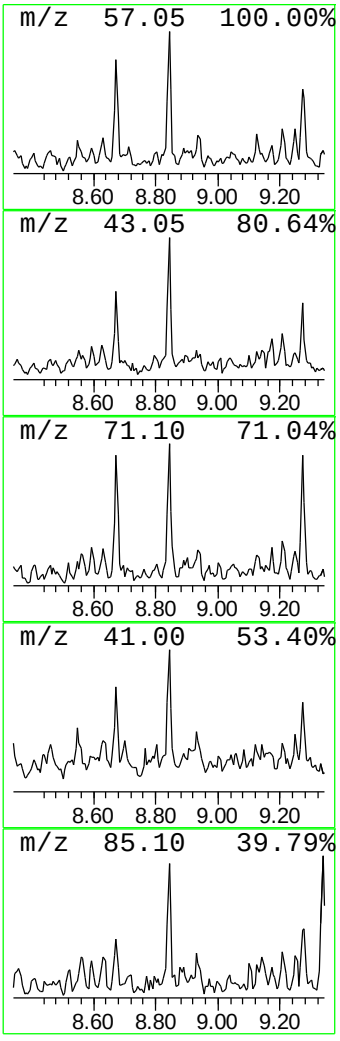
Peak Number 9 Bacchotricuneatin c Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	6.32 ng	411689	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	98
2	Tridecane	184	C13H28	000629-50-5	74
3	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	72
4	Tetradecane	198	C14H30	000629-59-4	64
5	Pentadecane	212	C15H32	000629-62-9	64





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Misc :
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Instrument : BNA_F
ClientSampleId : HR-05-071218-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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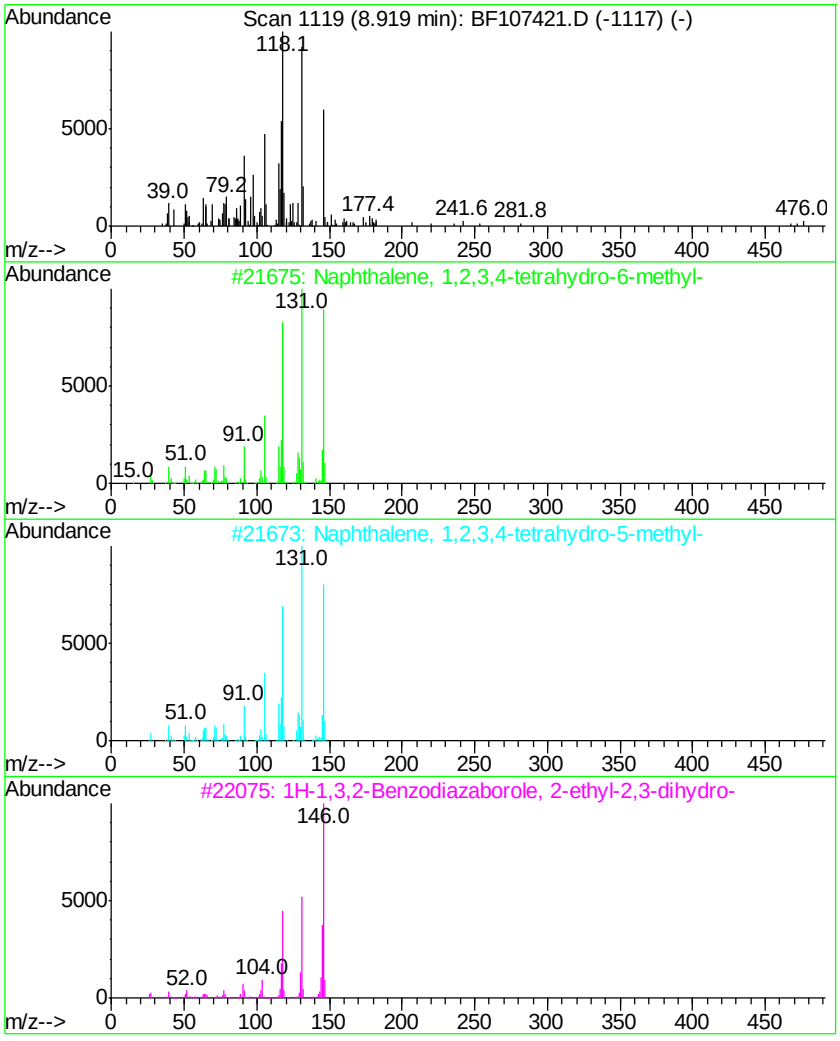
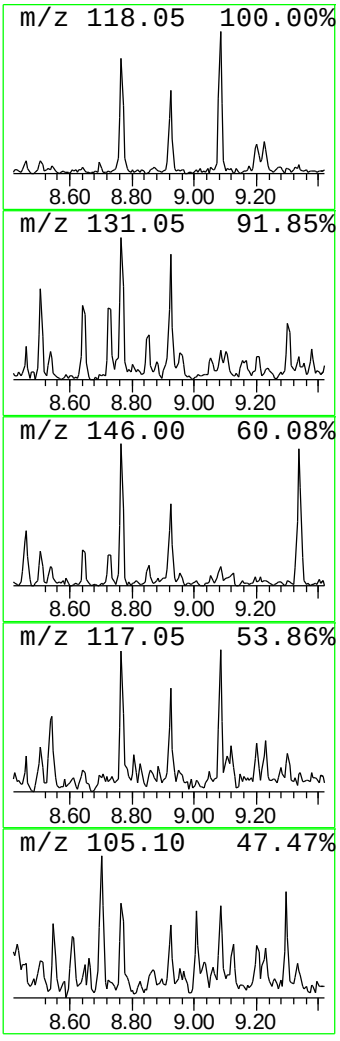
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	6.69 ng	435548	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	90
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	90
3	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	64
4	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	53
5	Benzeneethanol, .beta.-ethenyl-....	162	C11H14O	040596-14-3	43





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-071218-B

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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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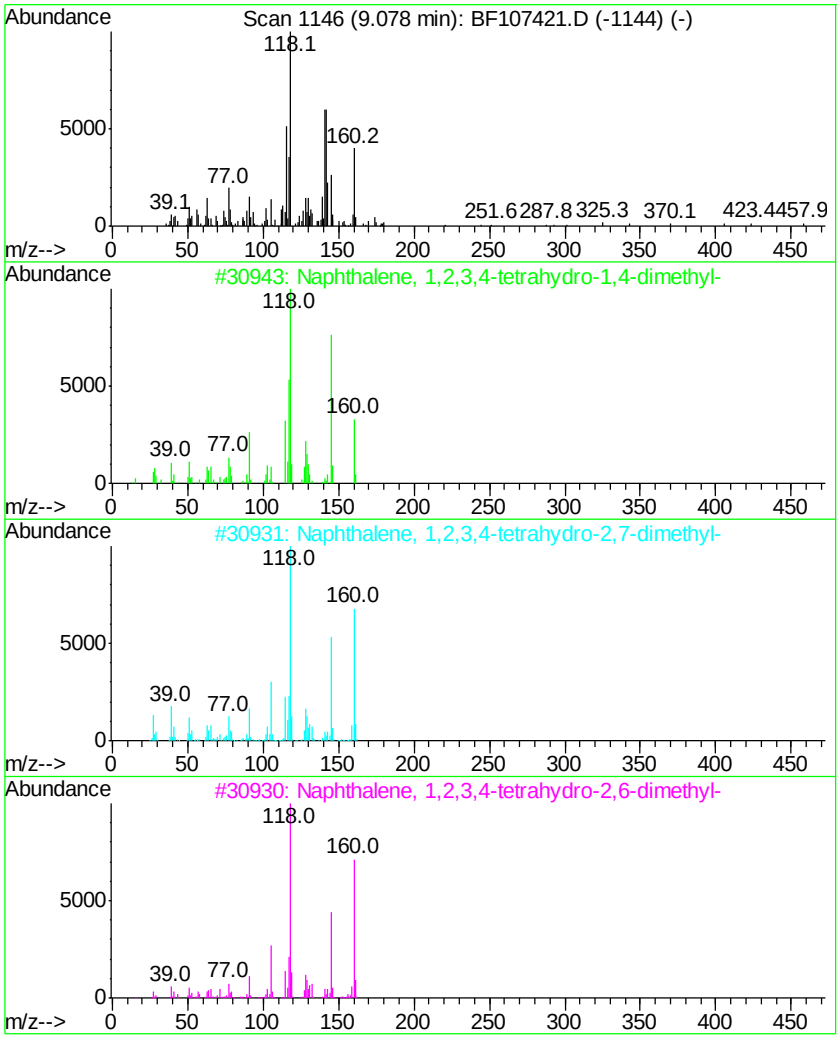
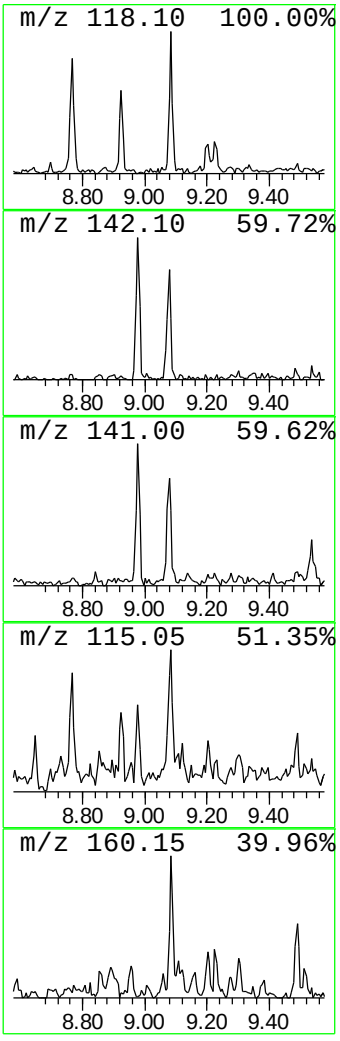
Peak Number 11 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	6.16 ng	401002	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	89
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	76
4	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	58
5	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	55





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ClientSampleId : HR-05-071218-B

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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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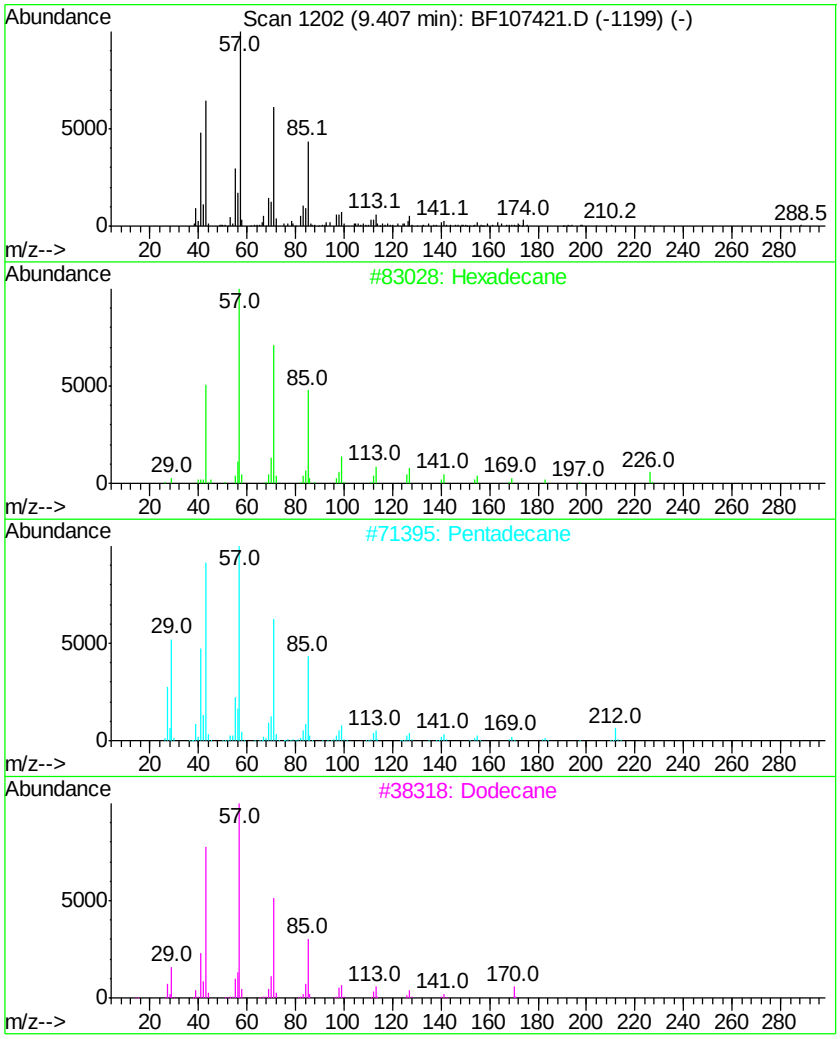
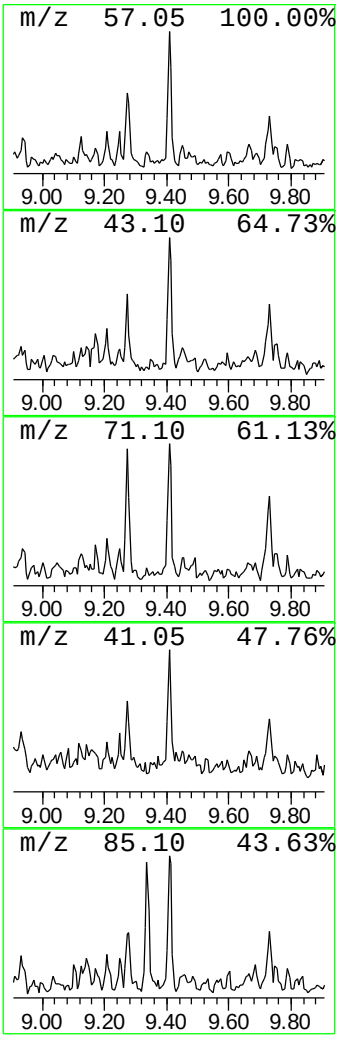
Peak Number 12 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	8.10 ng	522187	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Pentadecane	212	C15H32	000629-62-9	91
3	Dodecane	170	C12H26	000112-40-3	90
4	Heptadecane	240	C17H36	000629-78-7	90
5	Tridecane	184	C13H28	000629-50-5	90





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Sample : J3821-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

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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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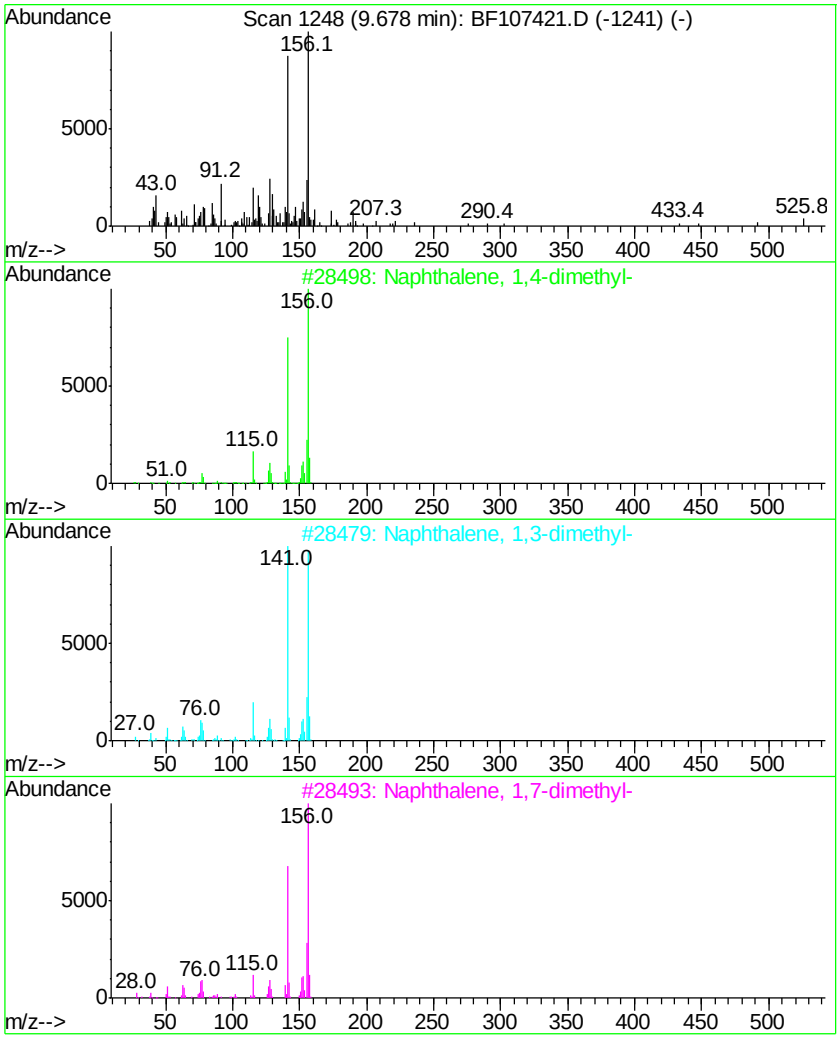
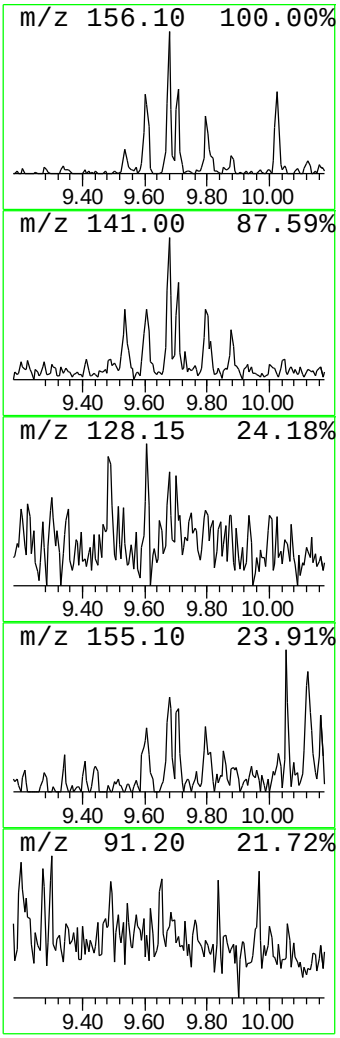
Peak Number 13 Naphthalene, 1,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	5.17 ng	333446	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	87
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	87
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	87
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	87
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	83





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Sample : J3821-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-071218-B

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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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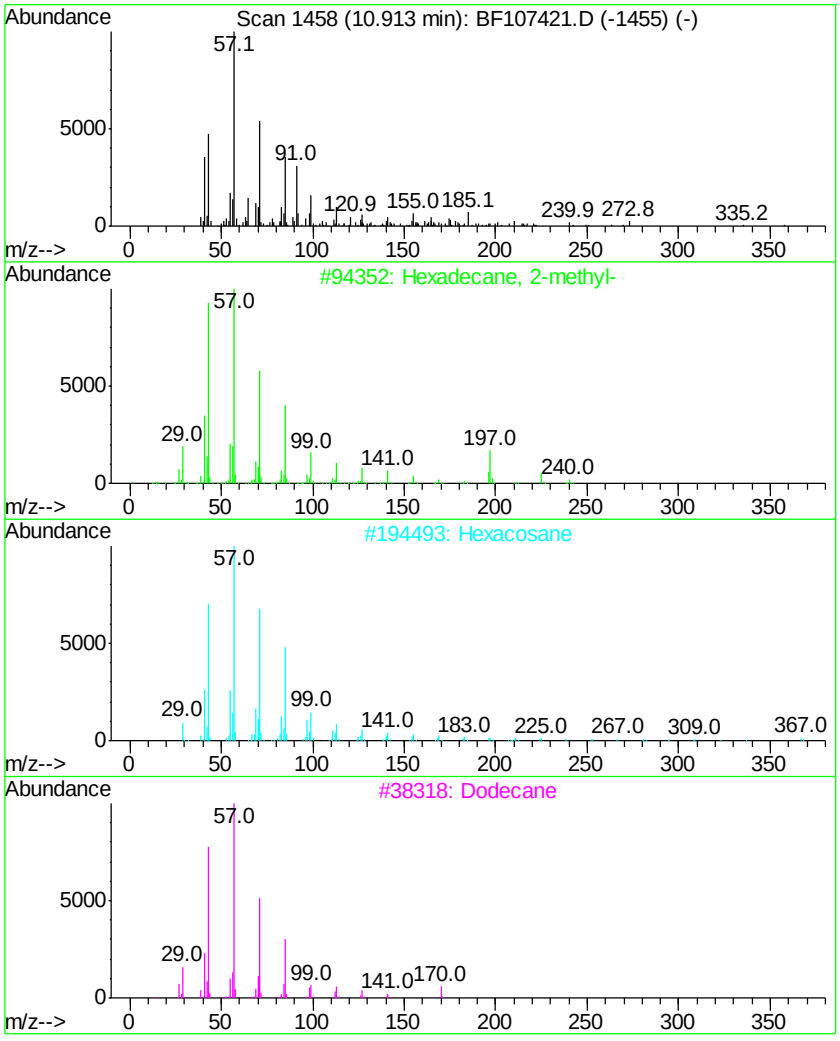
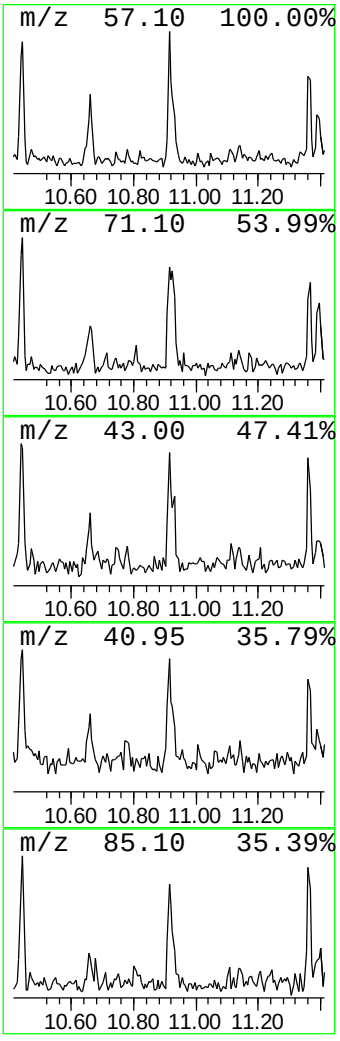
Peak Number 14 Hexadecane, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	6.77 ng	451744	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	93
2	Hexacosane	366	C26H54	000630-01-3	86
3	Dodecane	170	C12H26	000112-40-3	83
4	Heptadecane	240	C17H36	000629-78-7	80
5	Eicosane	282	C20H42	000112-95-8	80





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Operator : JU/SJ
Sample : J3821-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-071218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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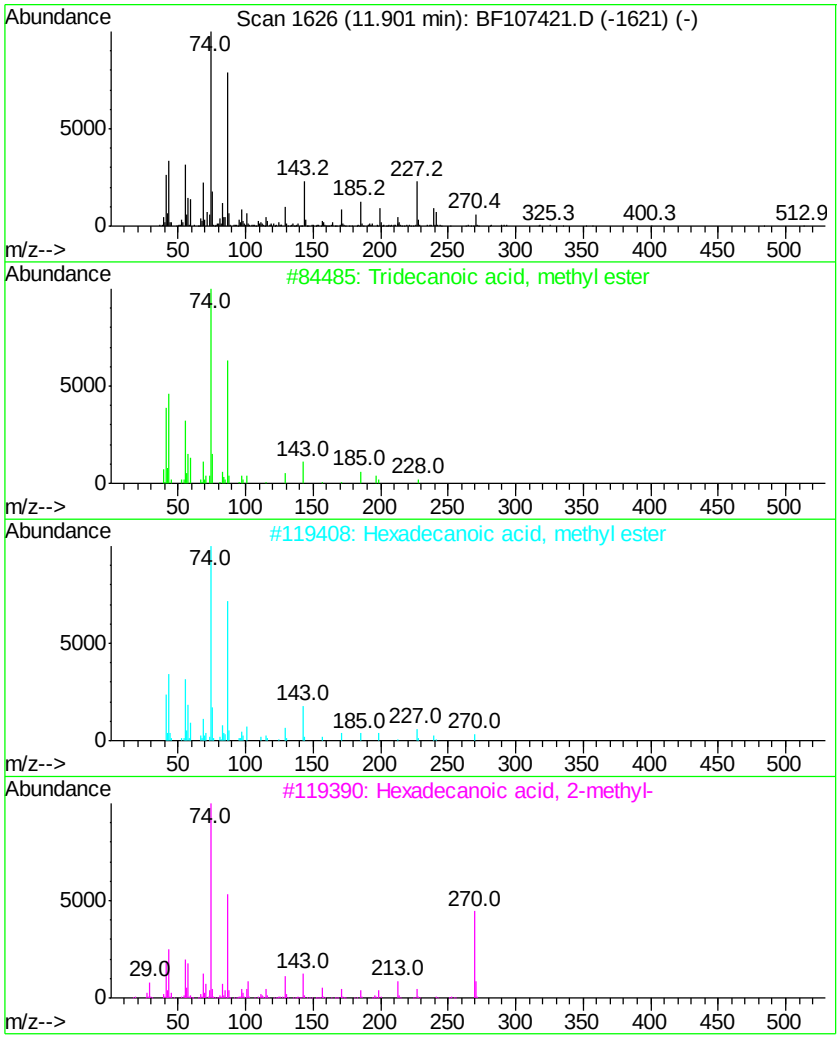
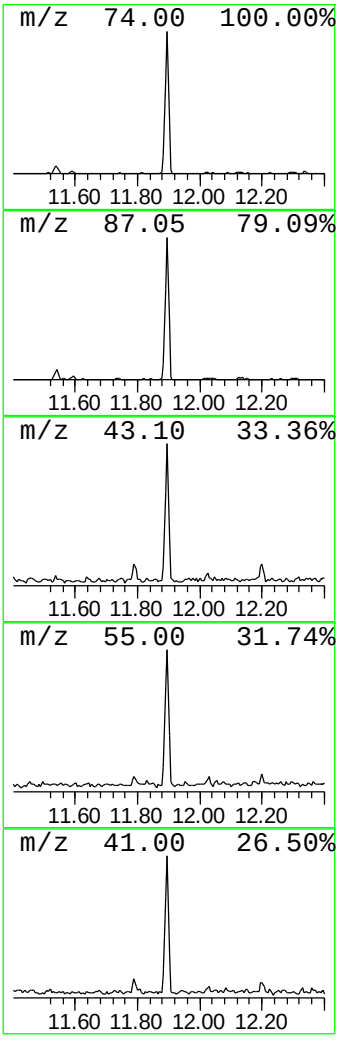
Peak Number 15 Tridecanoic acid, methyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	27.46 ng	1832330	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	95
2	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	94
3	Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	87
4	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	87
5	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	86





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Misc :
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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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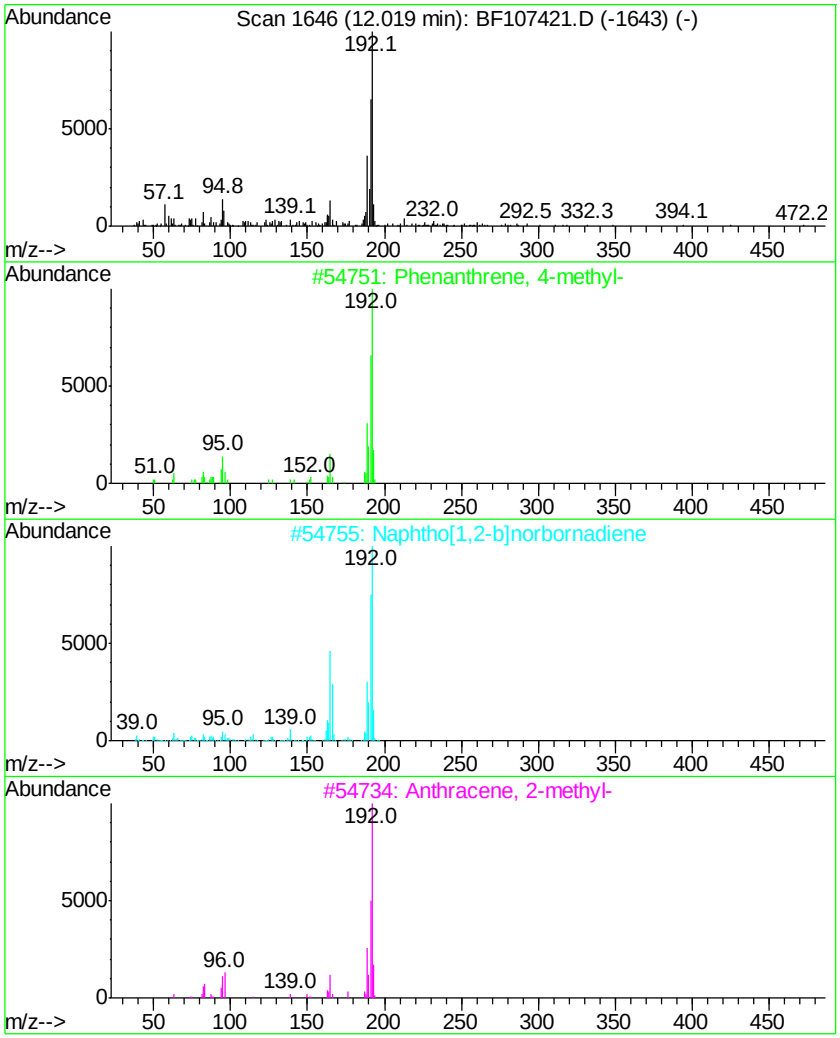
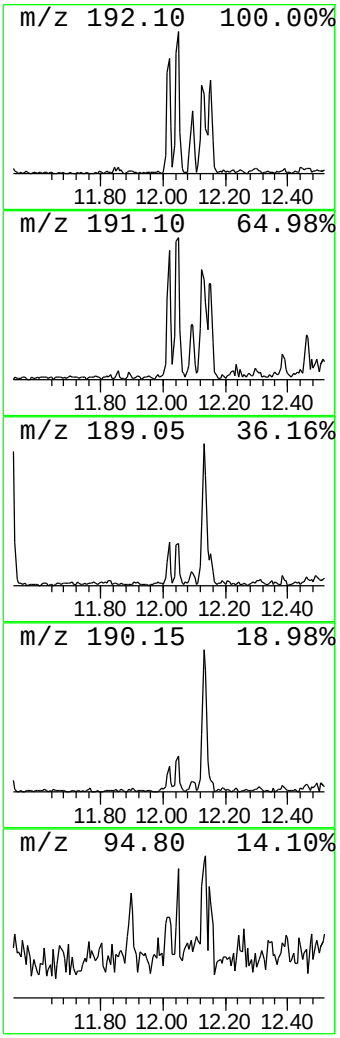
Peak Number 16 Phenanthrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	5.04 ng	336316	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
2	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	76
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	72
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70





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Misc :
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Instrument : BNA_F
ClientSampleId : HR-05-071218-B

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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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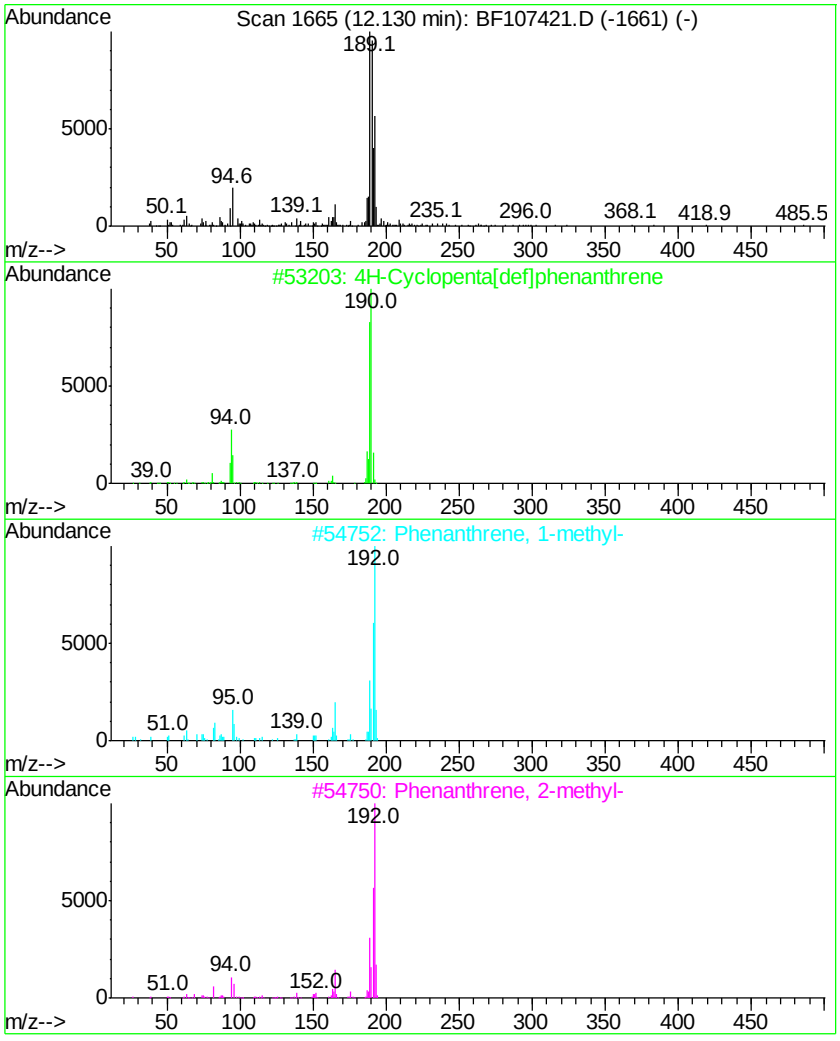
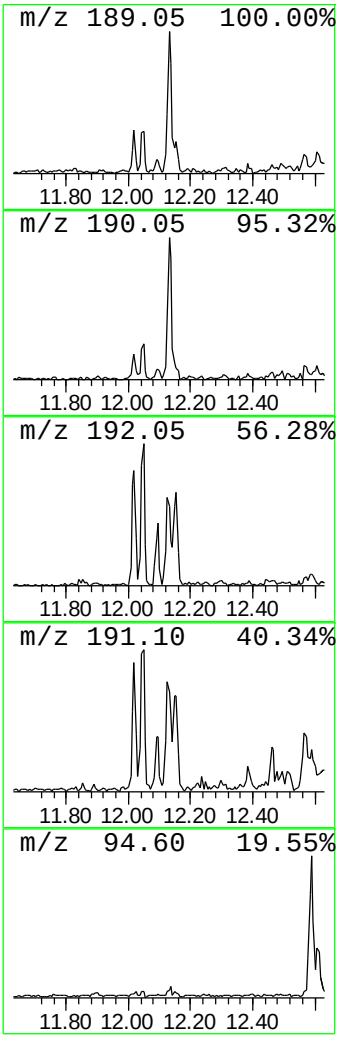
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	6.09 ng	406182	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	30
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25





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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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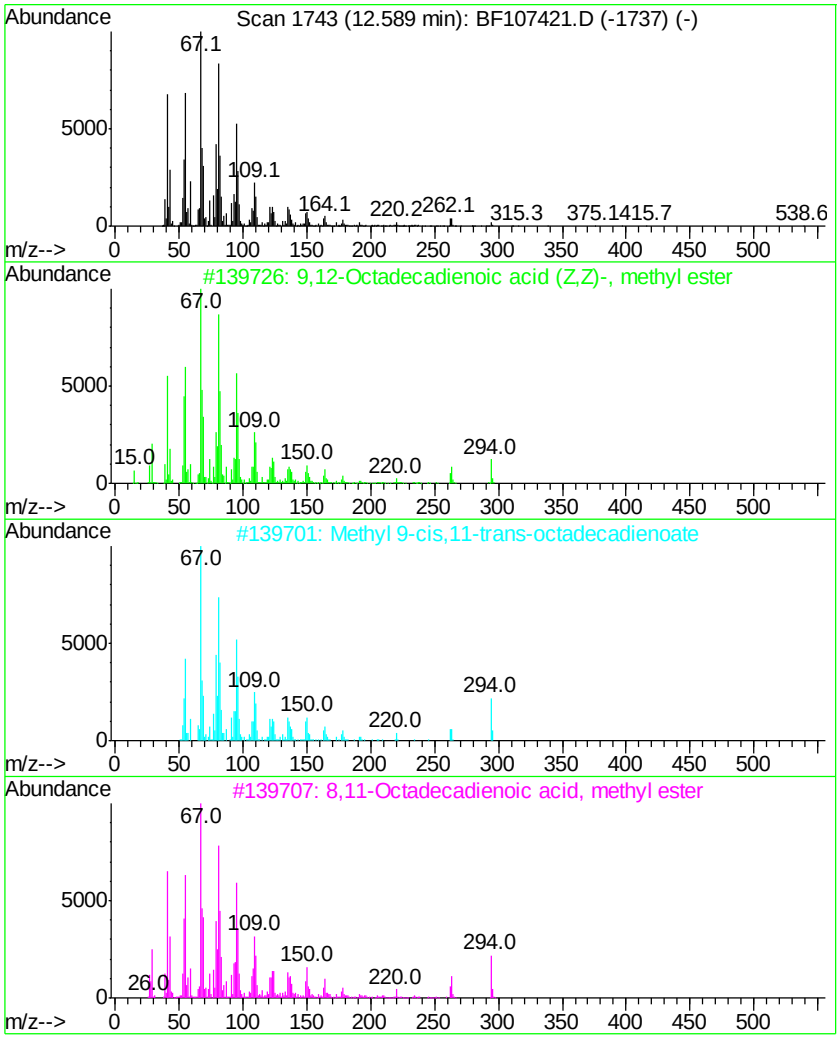
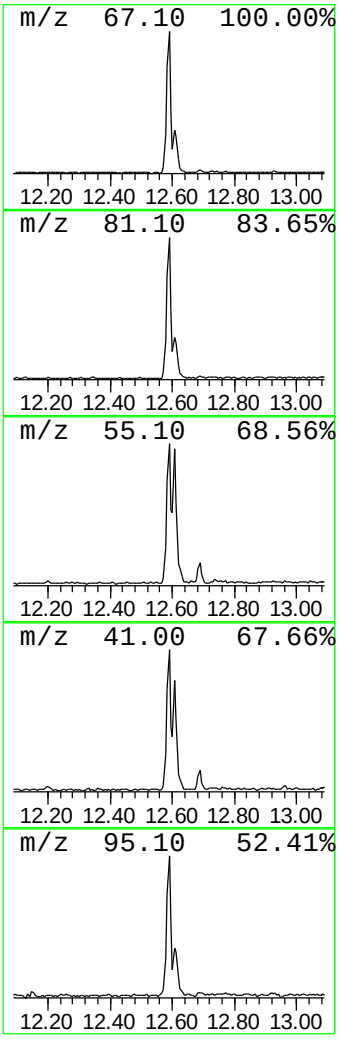
Peak Number 18 9,12-Octadecadienoic acid (... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	106.57 ng	7110240	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
2	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
3	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
4	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	99
5	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99





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Data File : BF107421.D
Acq On : 16 Jul 2018 23:49
Operator : JU/SJ
Sample : J3821-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-071218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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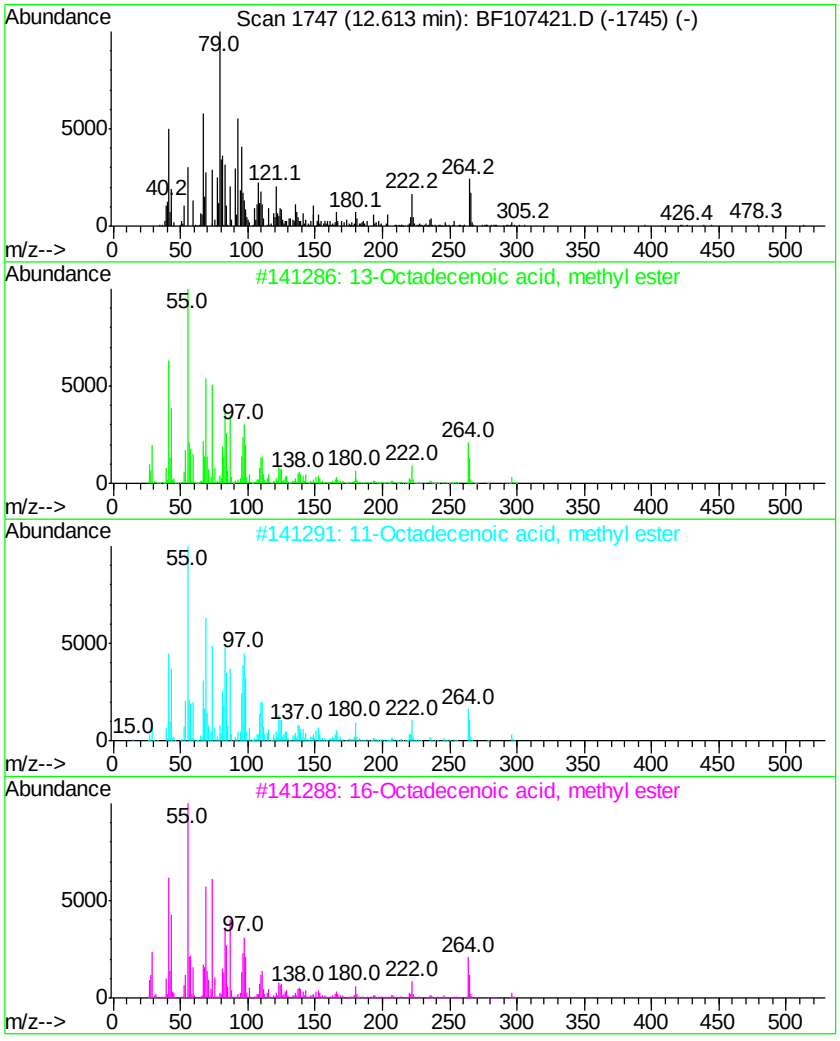
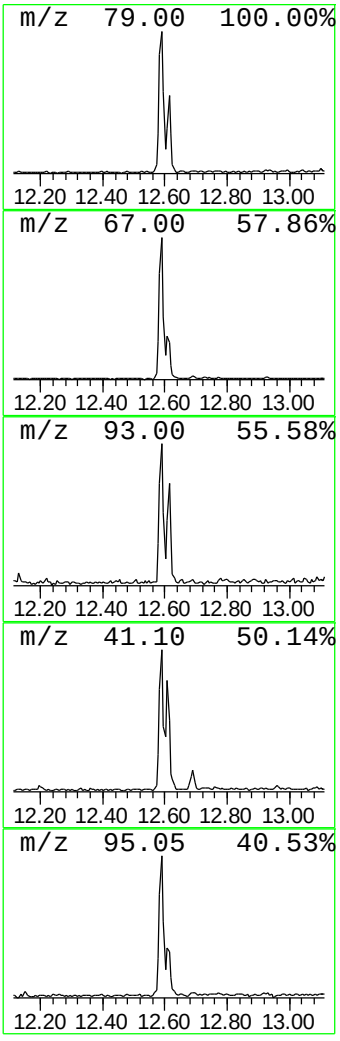
Peak Number 19 13-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	56.59 ng	3775730	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	97
2	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	94
3	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	93
4	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	93
5	cis-13-Octadecenoic acid, methyl...	296	C19H36O2	1000333-58-3	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107421.D
Acq On : 16 Jul 2018 23:49
Operator : JU/SJ
Sample : J3821-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-071218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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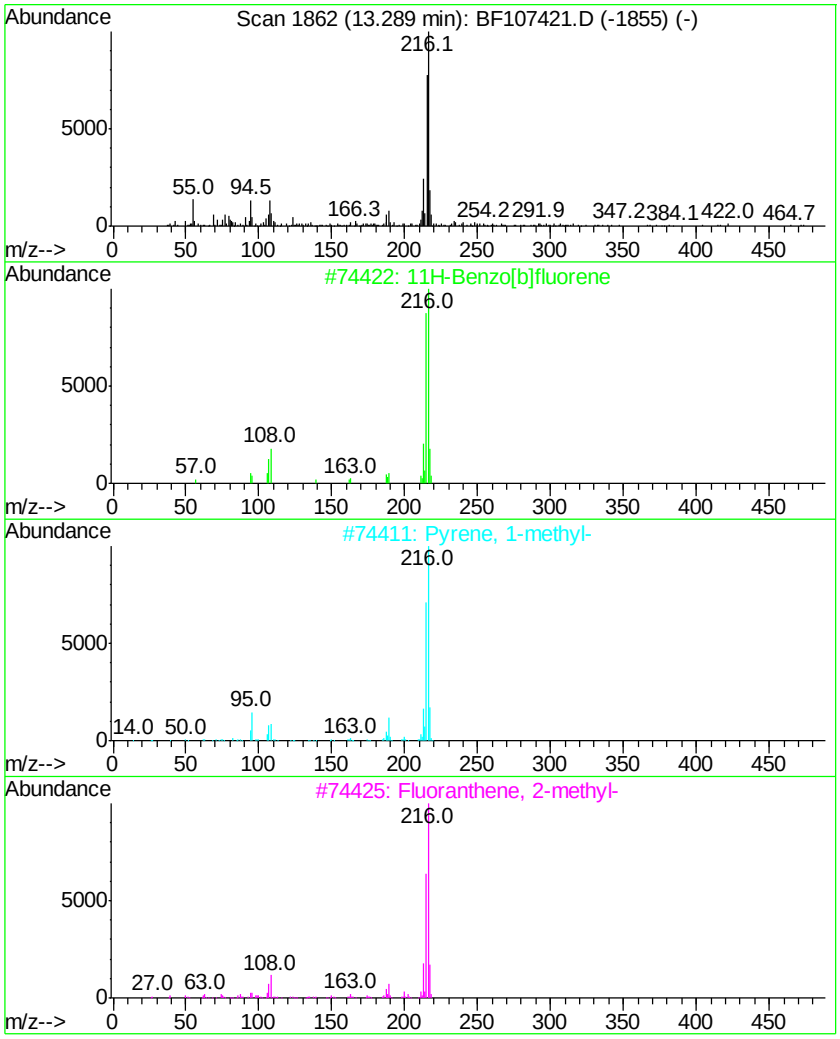
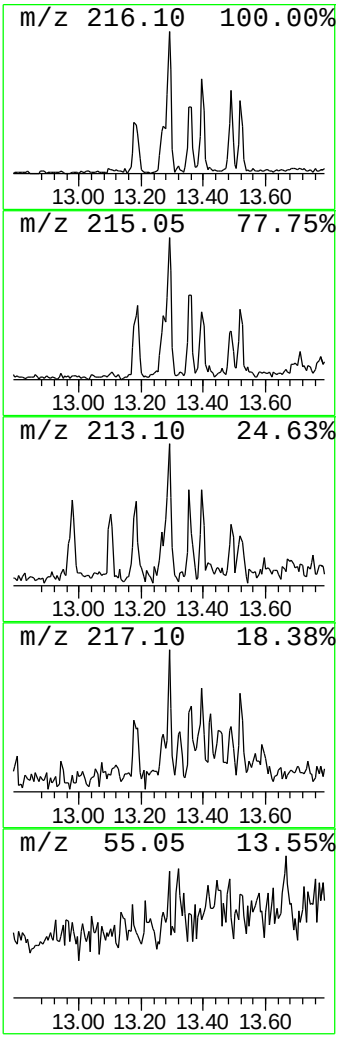
Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	5.80 ng	568097	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071618\
Data File : BF107421.D
Acq On : 16 Jul 2018 23:49
Operator : JU/SJ
Sample : J3821-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-071218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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, 1,2,3,5-...	7.30	5.1	ng	273093	1	6.98	1079150	20.0
unknown7.62	7.62	5.9	ng	318497	1	6.98	1079150	20.0
Benzene, 1,2,4,5-...	7.77	6.0	ng	392648	2	8.27	1302870	20.0
Benzene, 1-ethyl-...	8.00	6.7	ng	438581	2	8.27	1302870	20.0
unknown8.55	8.55	7.1	ng	464000	2	8.27	1302870	20.0
Naphthalene, 1,2,...	8.77	7.3	ng	476304	2	8.27	1302870	20.0
Bacchotricuneatin c	8.84	6.3	ng	411689	2	8.27	1302870	20.0
Naphthalene, 1,2,...	8.92	6.7	ng	435548	2	8.27	1302870	20.0
Naphthalene, 1,2,...	9.08	6.2	ng	401002	2	8.27	1302870	20.0
Hexadecane	9.41	8.1	ng	522187	3	10.02	1290000	20.0
Naphthalene, 1,4-...	9.68	5.2	ng	333446	3	10.02	1290000	20.0
Hexadecane, 2-met...	10.91	6.8	ng	451744	4	11.52	1334380	20.0
Tridecanoic acid,...	11.90	27.5	ng	1832330	4	11.52	1334380	20.0
Phenanthrene, 4-m...	12.02	5.0	ng	336316	4	11.52	1334380	20.0
4H-Cyclopenta[def...	12.13	6.1	ng	406182	4	11.52	1334380	20.0
9,12-Octadecadien...	12.59	106.6	ng	7110240	4	11.52	1334380	20.0
13-Octadecenoic a...	12.61	56.6	ng	3775730	4	11.52	1334380	20.0
11H-Benzo[b]fluorene	13.29	5.8	ng	568097	5	14.17	1957830	20.0