LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
Data File : BF112452.D
Acq On : 7 Feb 2019 21:38
Operator : JU/SJ
Sample : K1390-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUPE-X

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-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.110	3	4	17	rVB	100235	128689	5.09%	0.453%
2	5.051	500	504	515	rBV	82310	106193	4.20%	0.373%
3	5.469	571	575	596	rBV	2214488	2229241	88.13%	7.839%
4	6.481	743	747	765	rBV	2309340	2429807	96.06%	8.544%
5	6.610	765	769	775	rBV	2879914	2497878	98.76%	8.784%
6	6.834	803	807	813	rBV	779308	738332	29.19%	2.596%
7	6.987	829	833	844	rBV	2188954	1927470	76.20%	6.778%
8	7.392	899	902	912	rBV	1462390	1471513	58.18%	5.174%
9	8.116	1021	1025	1031	rBV	941865	910026	35.98%	3.200%
10	8.175	1032	1035	1037	rVV	113435	98525	3.90%	0.346%
11	8.198	1037	1039	1047	rVB7	31955	59422	2.35%	0.209%
12	8.316	1056	1059	1061	rBV	51911	43323	1.71%	0.152%
13	8.404	1066	1074	1076	rBV7	42383	86577	3.42%	0.304%
14	8.457	1080	1083	1085	rBV2	37282	37484	1.48%	0.132%
15	8.492	1086	1089	1092	rVB4	38690	49879	1.97%	0.175%
16	8.534	1092	1096	1098	rBV	255423	221216	8.75%	0.778%
17	8.651	1113	1116	1119	rBV3	61257	82207	3.25%	0.289%
18	8.739	1129	1131	1133	rBV2	33400	40272	1.59%	0.142%
19	8.798	1138	1141	1144	rVB	103727	114236	4.52%	0.402%
20	8.857	1149	1151	1154	rVB3	40070	36331	1.44%	0.128%
21	8.898	1154	1158	1159	rBV4	39395	58008	2.29%	0.204%
22	8.986	1170	1173	1177	rBV3	79243	111315	4.40%	0.391%
23	9.022	1177	1179	1183	rVB2	49249	57296	2.27%	0.201%
24	9.069	1184	1187	1190	rBV	52362	48179	1.90%	0.169%
25	9.104	1190	1193	1195	rBV2	90128	76170	3.01%	0.268%
26	9.134	1195	1198	1201	rVB	366017	284392	11.24%	1.000%
27	9.186	1203	1207	1210	rBV	3037198	2529358	100.00%	8.894%
28	9.269	1217	1221	1225	rBV3	139501	213279	8.43%	0.750%
29	9.310	1226	1228	1231	rVV2	42311	39086	1.55%	0.137%
30	9.381	1238	1240	1244	rVB5	32650	34217	1.35%	0.120%
31	9.457	1251	1253	1255	rBV	41202	31287	1.24%	0.110%
32	9.522	1262	1264	1266	rBV2	55082	39527	1.56%	0.139%
33	9.545	1266	1268	1270	rVB2	50421	41369	1.64%	0.145%
34	9.586	1270	1275	1278	rBV4	577508	671889	26.56%	2.363%

LSC Area Percent Report

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Sample : K1390-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUPE-X

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-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.645	1283	1285	1287	rVB	82392	58714	2.32%	0.206%
36	9.681	1287	1291	1292	rBV4	49518	64196	2.54%	0.226%
37	9.739	1297	1301	1303	rBV	87415	103086	4.08%	0.362%
38	9.775	1303	1307	1309	rBV2	121008	132618	5.24%	0.466%
39	9.833	1315	1317	1319	rBV3	60688	69486	2.75%	0.244%
40	9.869	1320	1323	1327	rVB	1234674	1056004	41.75%	3.713%
41	9.904	1327	1329	1331	rBV2	47727	42240	1.67%	0.149%
42	9.969	1338	1340	1345	rVB2	45234	46027	1.82%	0.162%
43	10.028	1347	1350	1353	rVV3	81076	127006	5.02%	0.447%
44	10.057	1353	1355	1358	rVV	111691	117782	4.66%	0.414%
45	10.086	1358	1360	1362	rVV2	66266	61317	2.42%	0.216%
46	10.116	1362	1365	1369	rVV3	147977	206522	8.16%	0.726%
47	10.151	1369	1371	1374	rVB	64886	52639	2.08%	0.185%
48	10.239	1383	1386	1389	rVB3	75991	82076	3.24%	0.289%
49	10.275	1389	1392	1397	rBV4	72130	113180	4.47%	0.398%
50	10.322	1397	1400	1403	rVV2	58352	65828	2.60%	0.231%
51	10.516	1427	1433	1436	rBV	437493	498169	19.70%	1.752%
52	10.563	1439	1441	1444	rVB	60403	57950	2.29%	0.204%
53	10.598	1444	1447	1450	rBV3	64237	78259	3.09%	0.275%
54	10.633	1450	1453	1455	rBV3	88520	72000	2.85%	0.253%
55	10.663	1455	1458	1463	rBV	1671846	1500395	59.32%	5.276%
56	10.780	1474	1478	1481	rBV	669227	612802	24.23%	2.155%
57	10.957	1506	1508	1510	rBV	70731	63035	2.49%	0.222%
58	11.092	1528	1531	1532	rBV2	50848	43455	1.72%	0.153%
59	11.245	1553	1557	1563	rVB	413296	428138	16.93%	1.506%
60	11.357	1572	1576	1579	rBV	1106443	963902	38.11%	3.389%
61	11.527	1602	1605	1608	rBV2	46359	44195	1.75%	0.155%
62	11.592	1614	1616	1621	rVB	85472	81116	3.21%	0.285%
63	11.845	1657	1659	1661	rBV2	40003	37269	1.47%	0.131%
64	11.880	1662	1665	1672	rVB2	204996	251811	9.96%	0.885%
65	12.327	1739	1741	1745	rVB	41017	44376	1.75%	0.156%
66	12.574	1781	1783	1788	rBV2	50405	67933	2.69%	0.239%
67	12.663	1796	1798	1804	rBV7	47290	59272	2.34%	0.208%
68	12.804	1820	1822	1824	rBV	49056	38043	1.50%	0.134%
69	12.939	1841	1845	1848	rBV	1940829	1778370	70.31%	6.253%
70	13.827	1994	1996	2004	rVB	217136	251682	9.95%	0.885%
71	14.004	2022	2026	2032	rBV	843896	830277	32.83%	2.920%

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Instrument : BNA_F
ClientSampleId : DUPE-X

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

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72	15.480	2273	2277	2282	rVB	477985	693066	27.40%	2.437%

Sum of corrected areas: 28438229

LSC Report - Integrated Chromatogram

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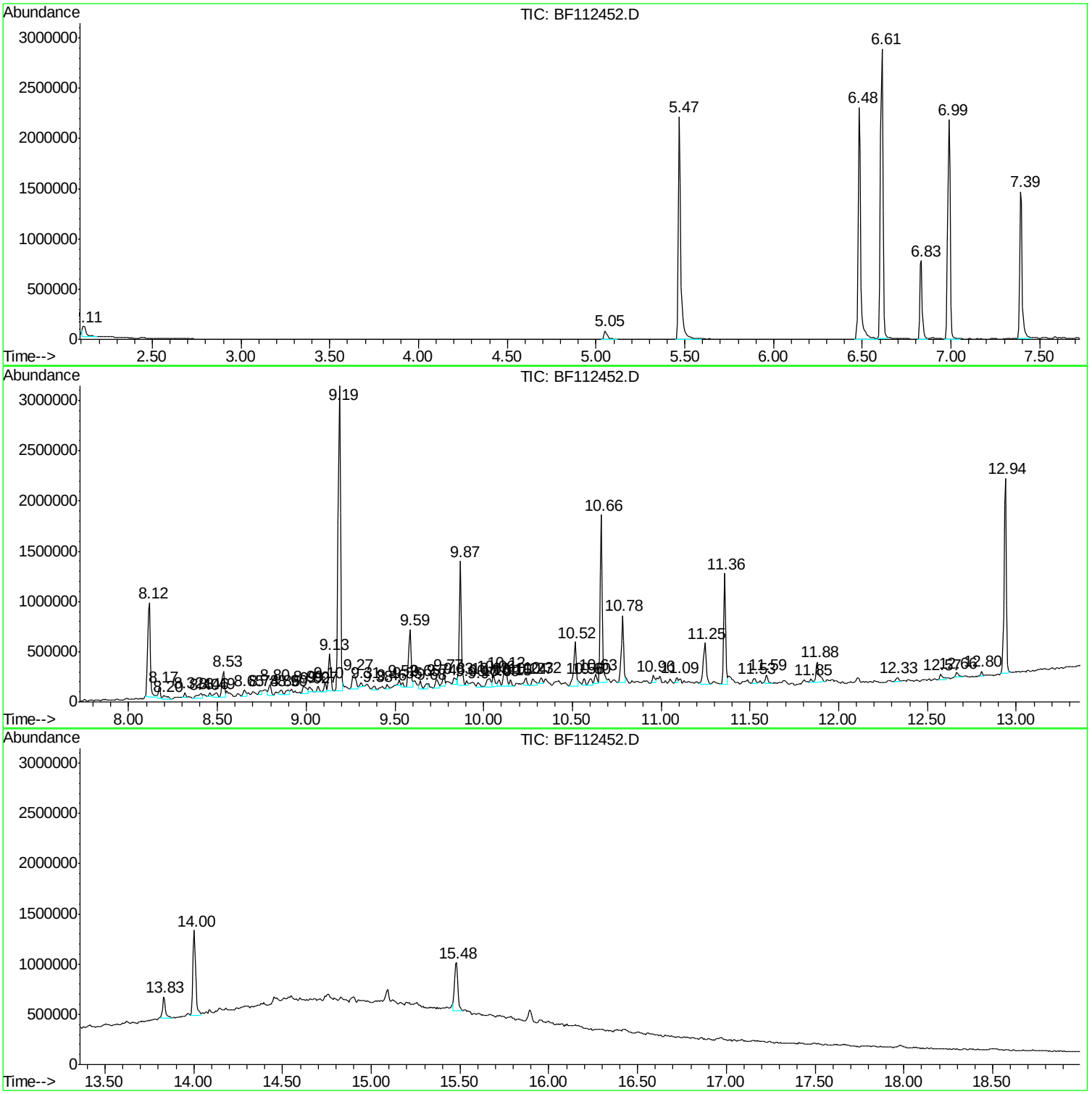
Sample : K1390-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUPE-X

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
Data File : BF112452.D
Acq On : 7 Feb 2019 21:38
Operator : JU/SJ
Sample : K1390-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

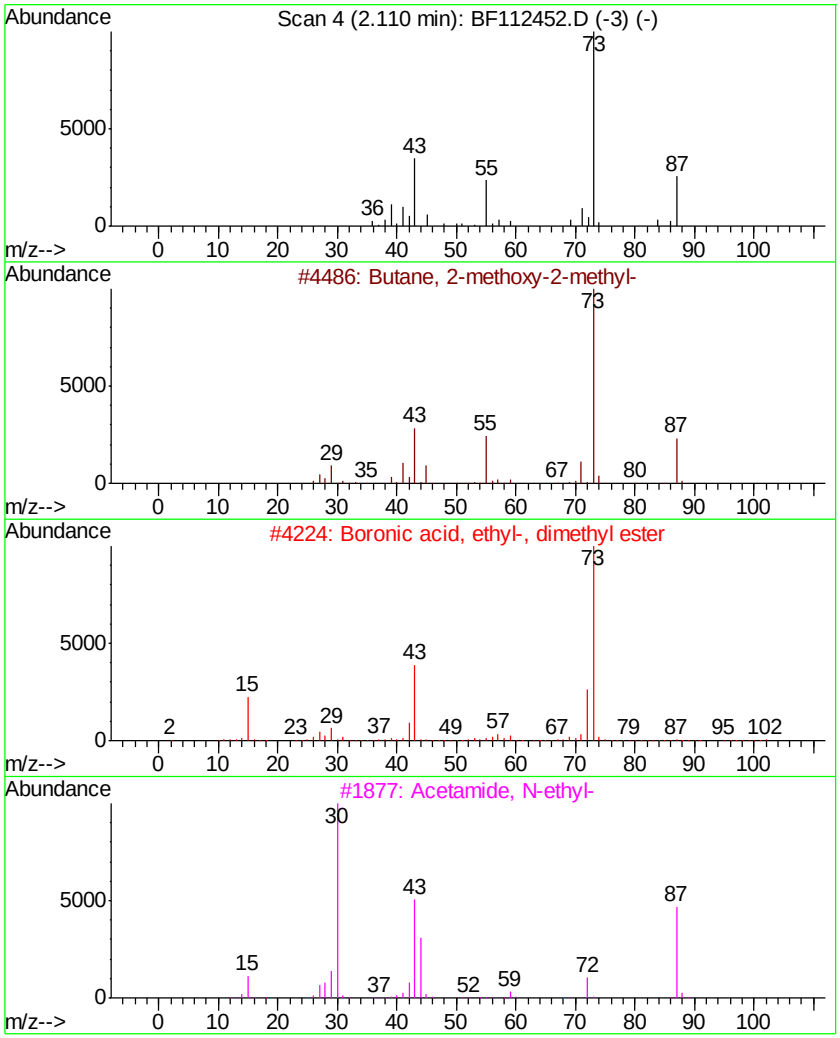
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

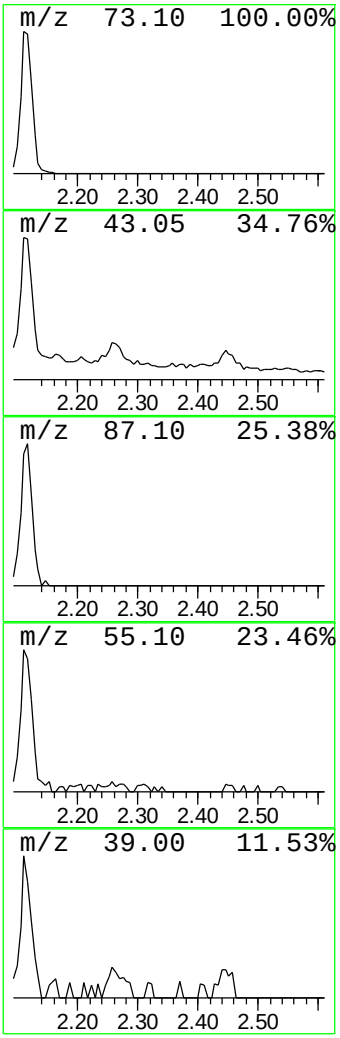
****

Peak Number 1 unknown2.11 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.11	3.49 ng	128689	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	39
2	Boronic acid, ethyl-, dimethyl e...	102	C4H11BO2	007318-82-3	12
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
4	1,5-Pentanediamine	102	C5H14N2	000462-94-2	9
5	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
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Operator : JU/SJ
Sample : K1390-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUPE-X

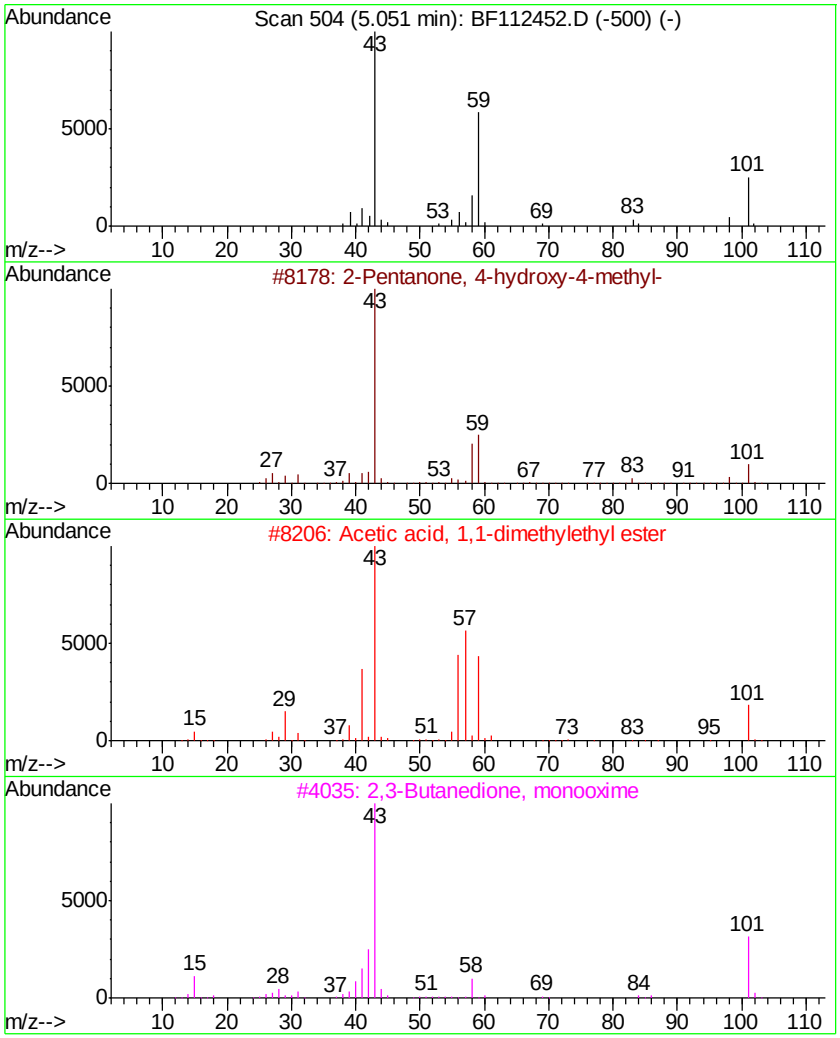
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

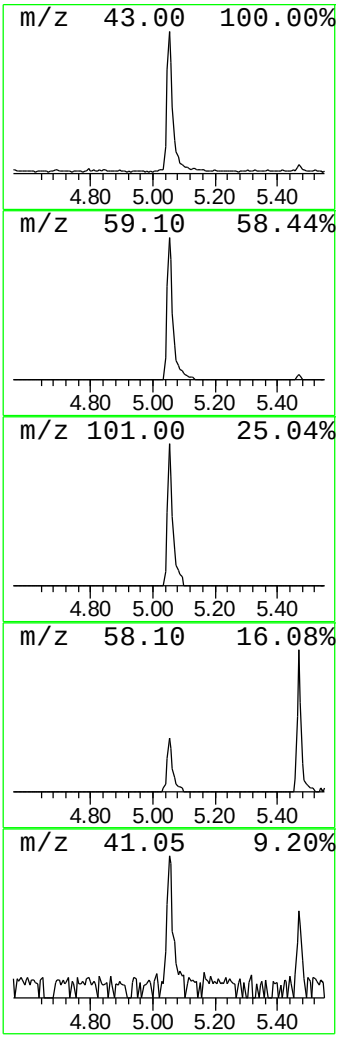
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	2.88 ng	106193	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
4	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	33
5	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
Data File : BF112452.D
Acq On : 7 Feb 2019 21:38
Operator : JU/SJ
Sample : K1390-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUPE-X

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

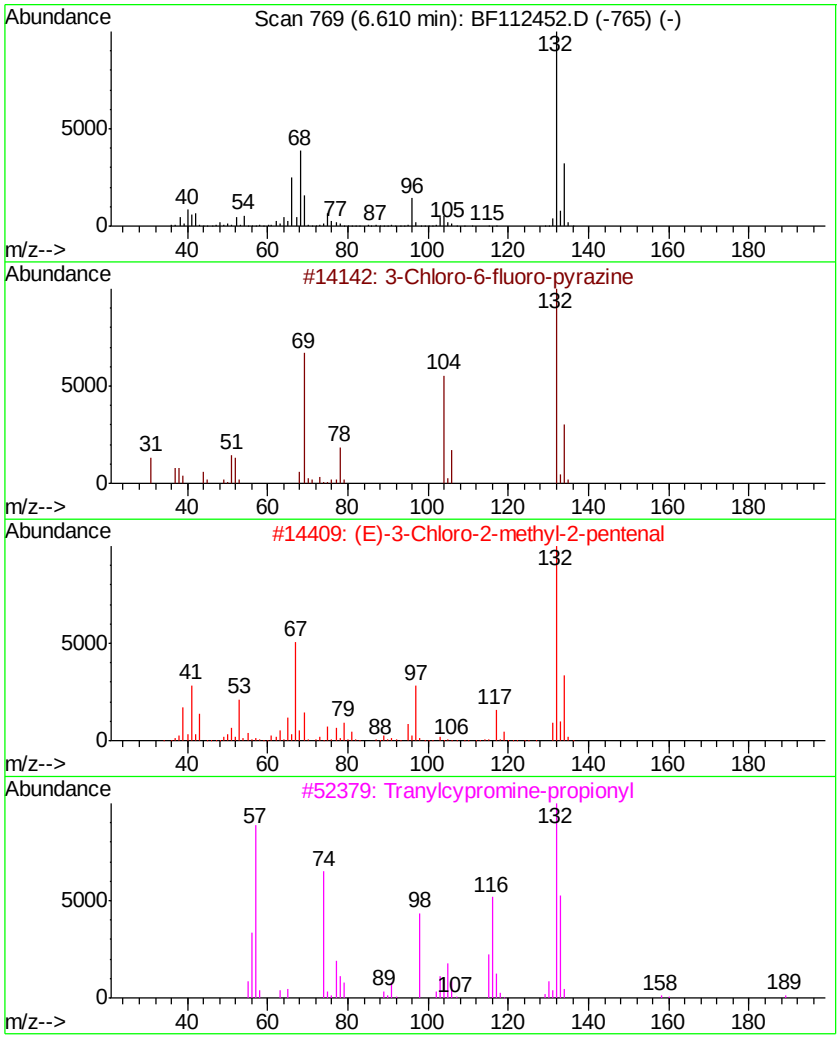
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

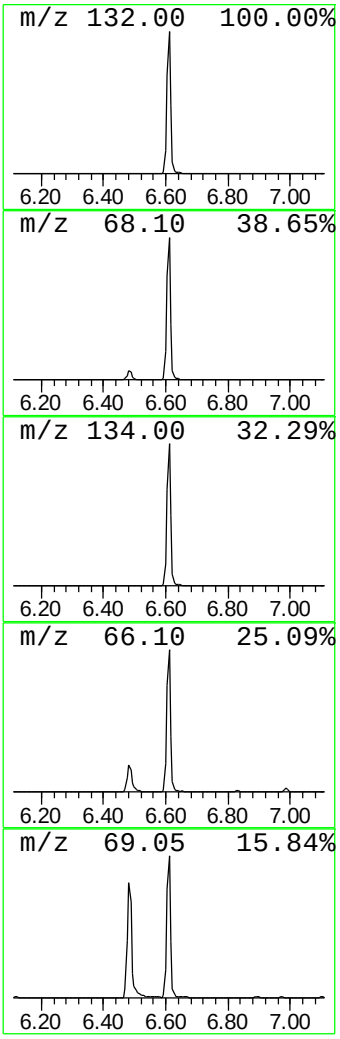
****

Peak Number 3 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	67.66 ng	2497880	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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

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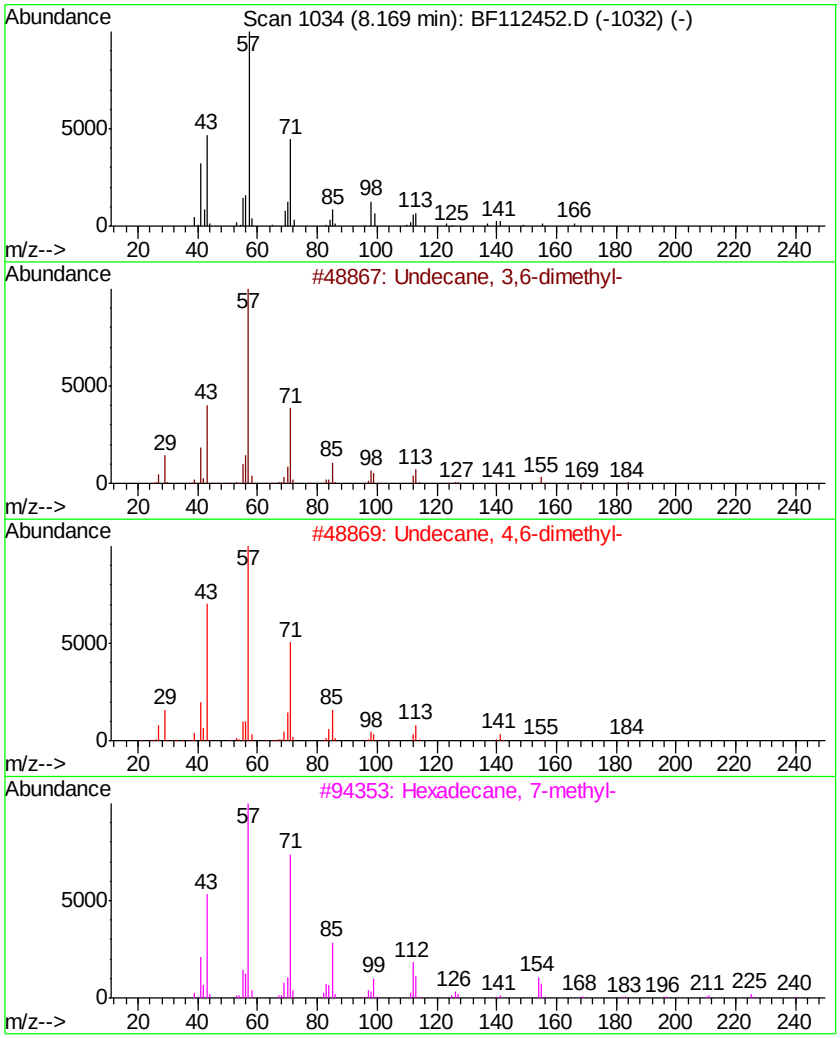
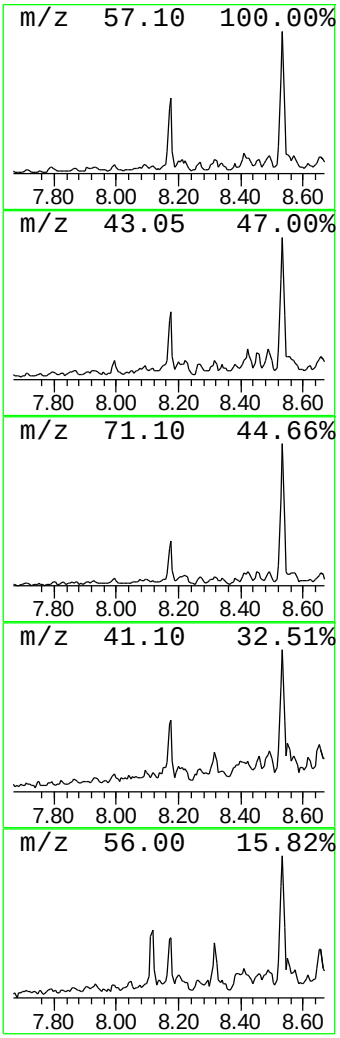
Peak Number 5 Undecane, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	2.17 ng	98525	Naphthalene-d8	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	90
2	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	78
3	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	72
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	72
5	Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	64





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Acq On : 7 Feb 2019 21:38
Operator : JU/SJ
Sample : K1390-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUPE-X

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

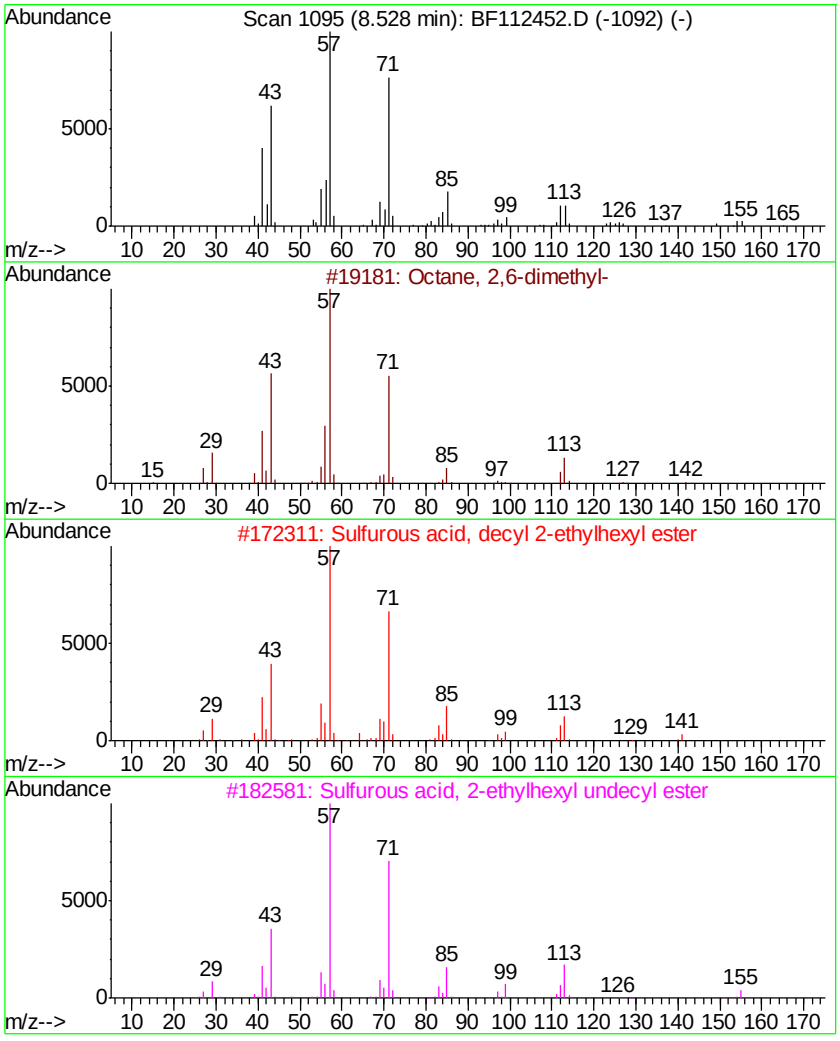
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

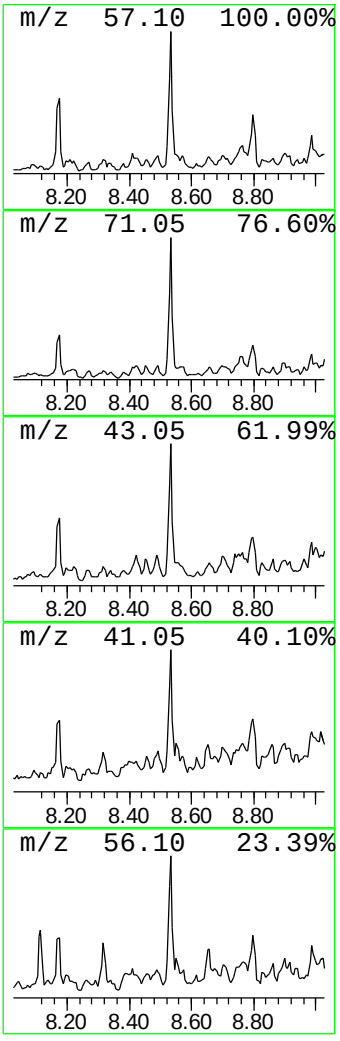
****

Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.53	4.86 ng	221216	Naphthalene-d8	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
2	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	80
3	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	72
4	Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	72
5	Oxalic acid, butyl 2-ethylhexyl ...	258	C14H26O4	1000309-38-6	72





Library Search Compound Report

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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUPE-X

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

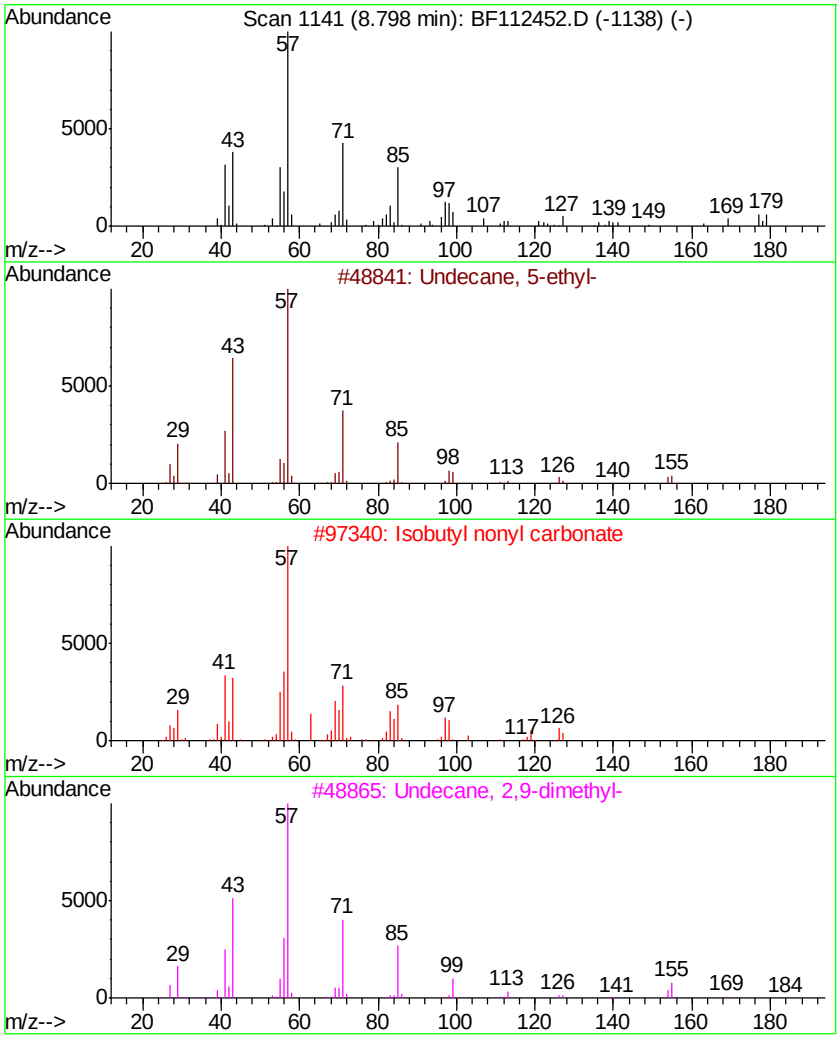
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

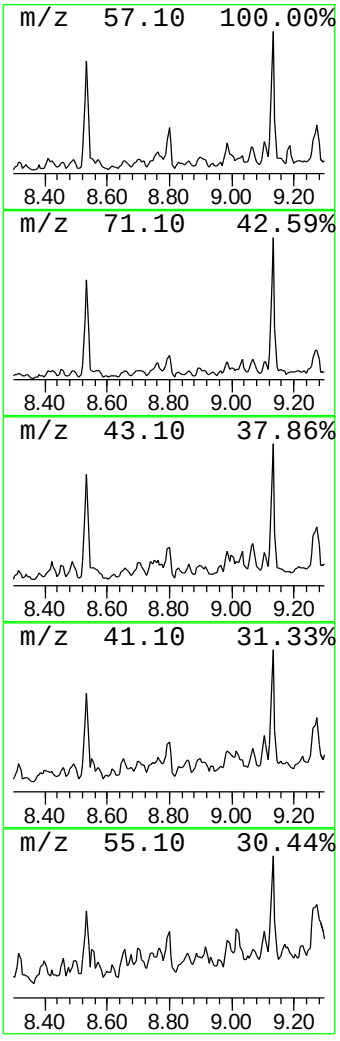
****

Peak Number 7 Undecane, 5-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	2.51 ng	114236	Naphthalene-d8	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-ethyl-	184	C13H28	017453-94-0	59
2	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	59
3	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	50
4	Hexadecane	226	C16H34	000544-76-3	50
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
Data File : BF112452.D
Acq On : 7 Feb 2019 21:38
Operator : JU/SJ
Sample : K1390-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUPE-X

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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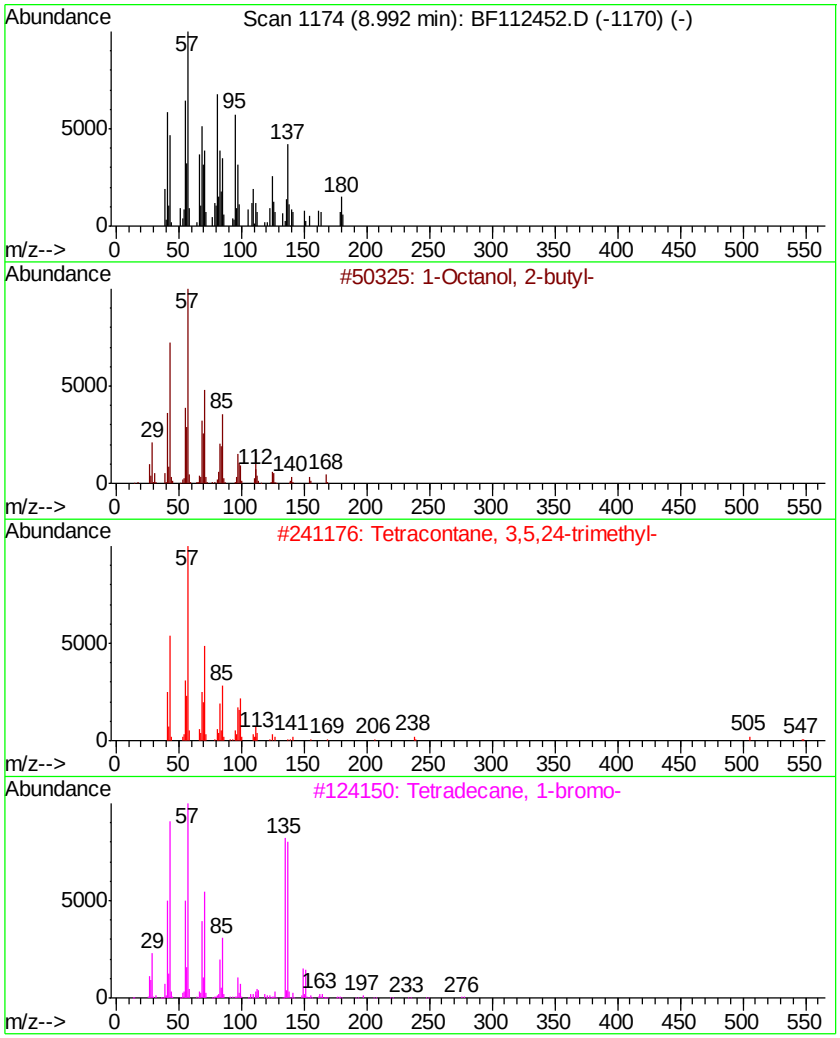
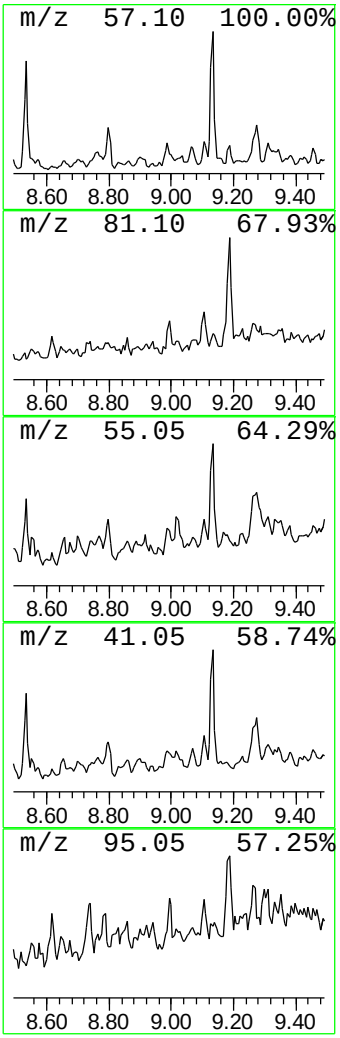
Peak Number 8 1-Octanol, 2-butyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.99	2.45 ng	111315	Naphthalene-d8	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	78
2	Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	72
3	Tetradecane, 1-bromo-	276	C14H29Br	000112-71-0	59
4	Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	53
5	Decane, 3-methyl-	156	C11H24	013151-34-3	47





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Operator : JU/SJ
Sample : K1390-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUPE-X

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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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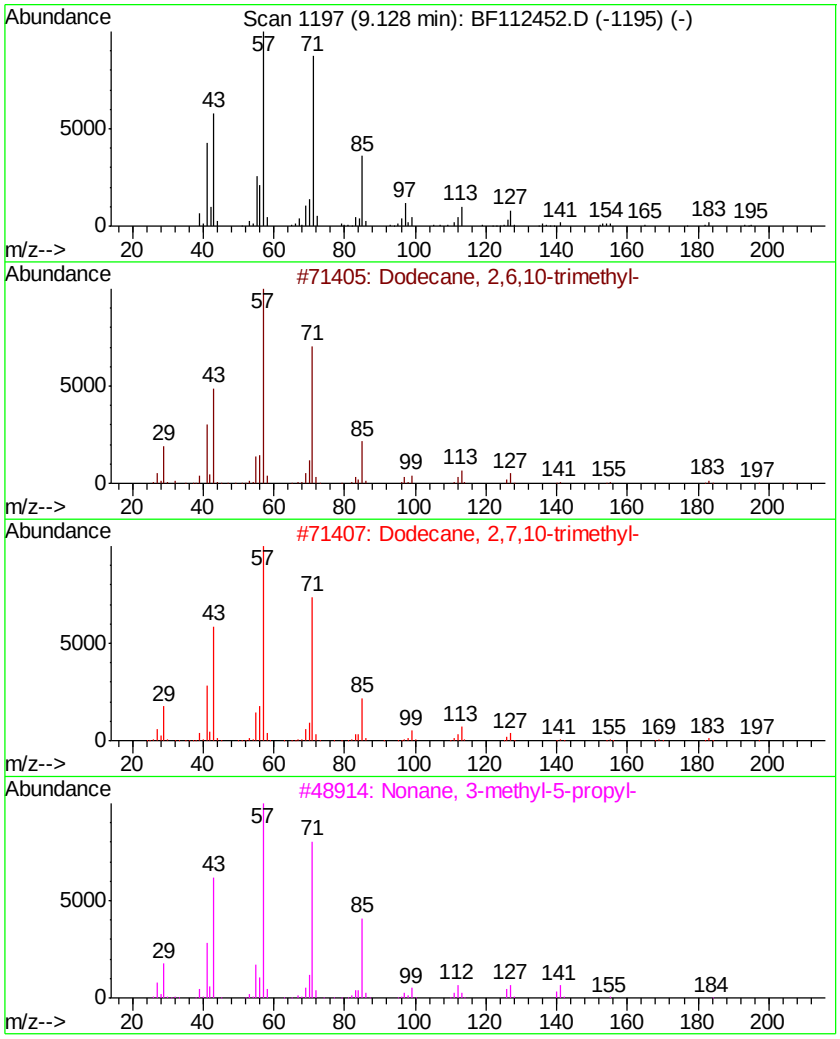
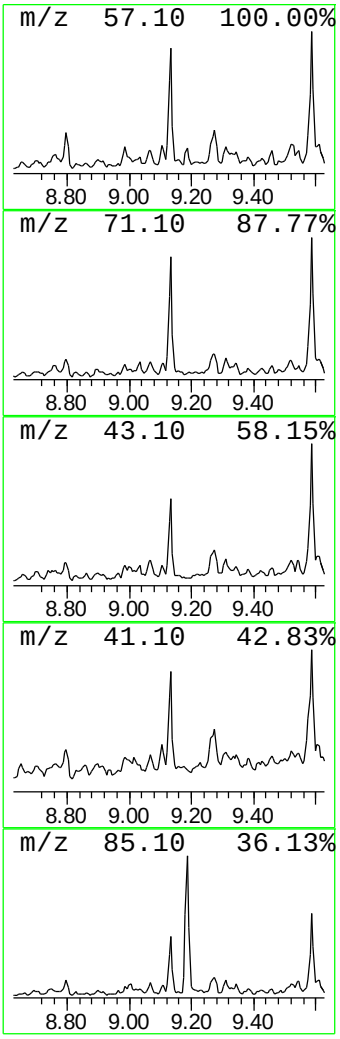
Peak Number 9 Dodecane, 2,6,10-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	5.39 ng	284392	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
3	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72
4	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	50
5	Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	49





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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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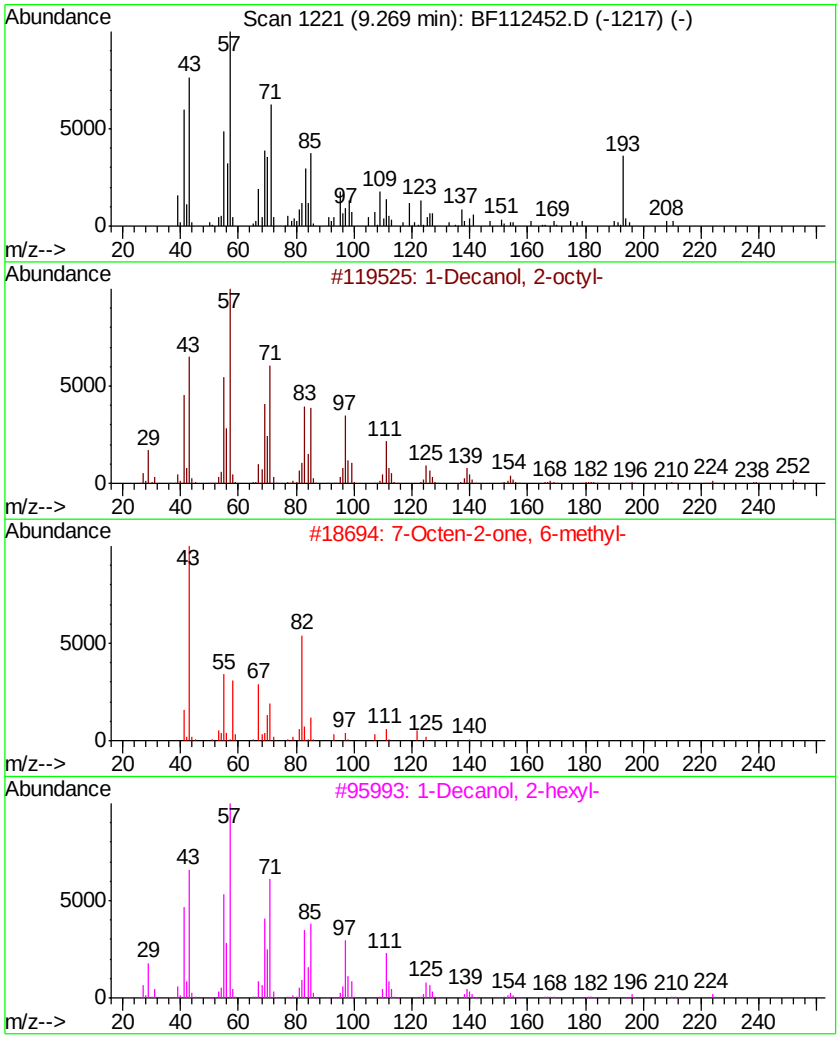
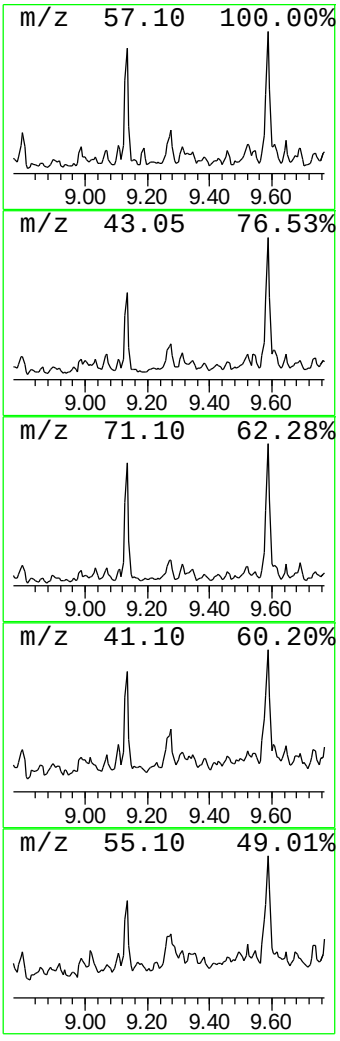
Peak Number 10 unknown9.27 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	4.04 ng	213279	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	46
2	7-Octen-2-one, 6-methyl-	140	C9H16O	035215-49-7	46
3	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	46
4	Undecane, 4-methyl-	170	C12H26	002980-69-0	38
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	38





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

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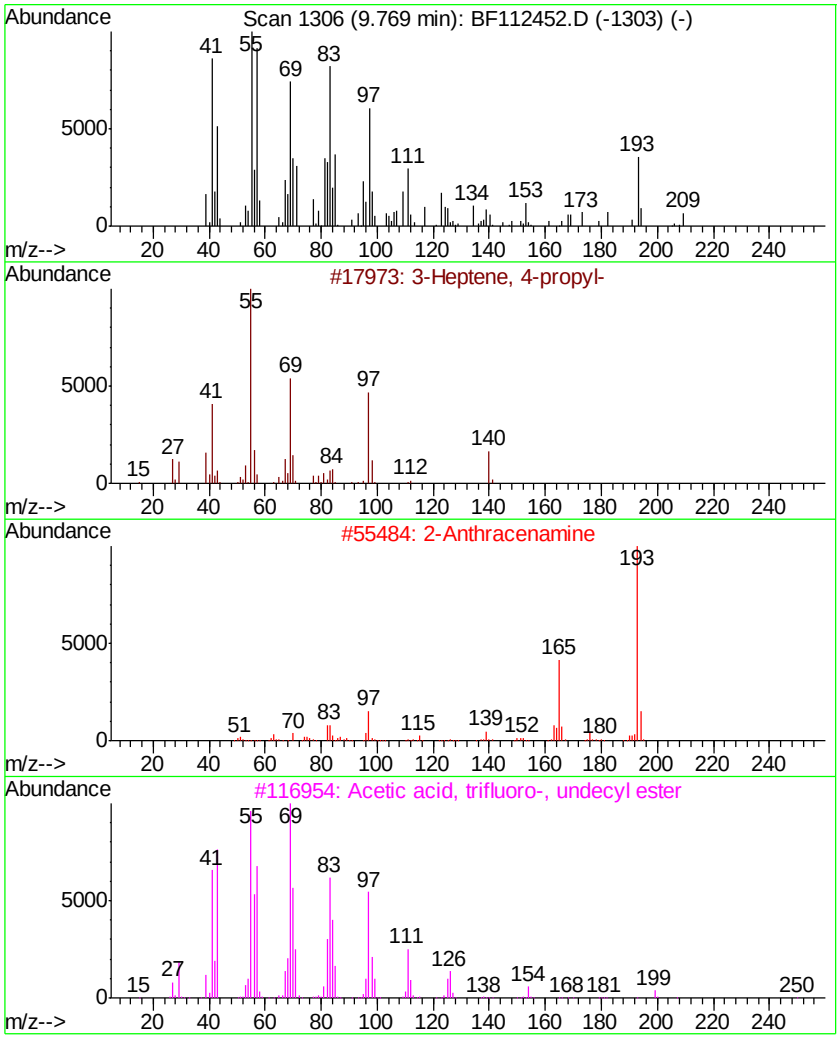
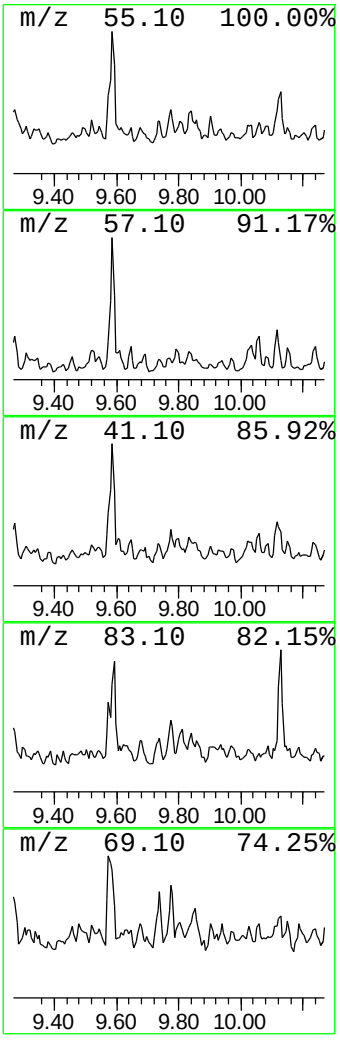
Peak Number 11 unknown9.77 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	2.51 ng	132618	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptene, 4-propyl-	140	C10H20	004485-13-6	38
2	2-Anthracenamine	193	C14H11N	000613-13-8	30
3	Acetic acid, trifluoro-, undecyl...	268	C13H23F3O2	053800-01-4	30
4	4-Heptafluorobutyroxytetradecane	410	C18H29F7O2	1000245-49-9	27
5	1,1'-Bicyclohexyl, 2-propyl-, tr...	208	C15H28	054934-89-3	25





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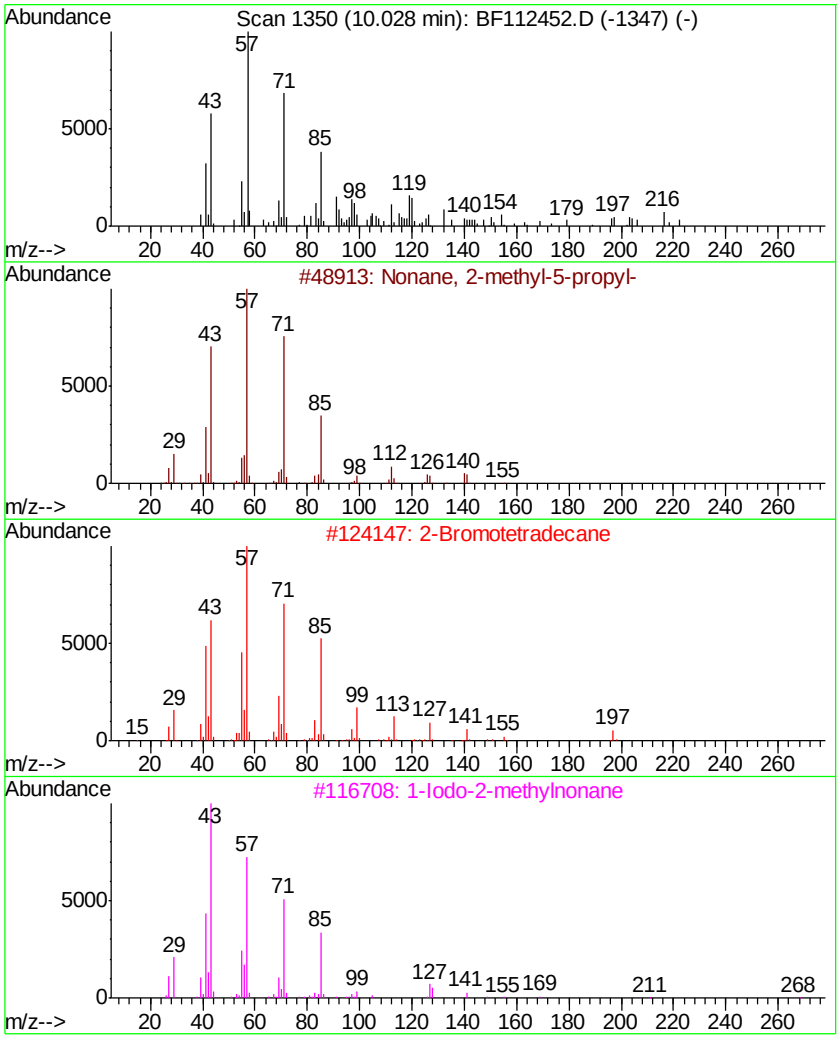
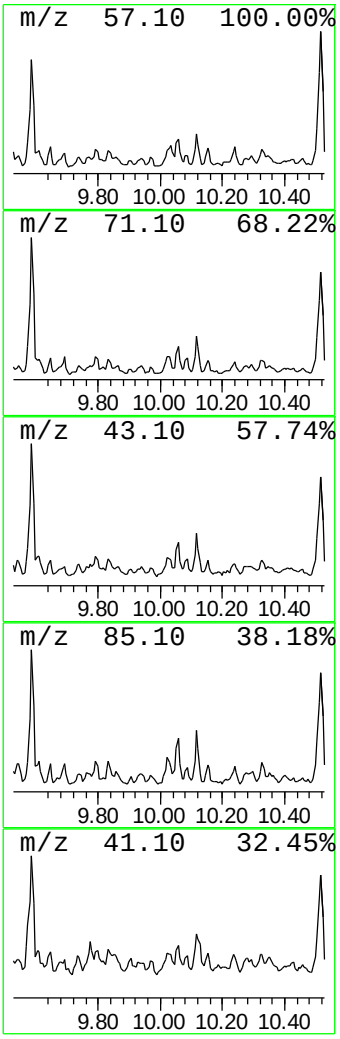
Peak Number 12 Nonane, 2-methyl-5-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	2.41 ng	127006	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	53
2	2-Bromotetradecane	276	C14H29Br	074036-95-6	50
3	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	50
4	l-Threitol, 2-O-nonyl-	248	C13H28O4	163776-15-6	38
5	Sulfurous acid, decyl 2-propyl e...	264	C13H28O3S	1000309-12-1	35





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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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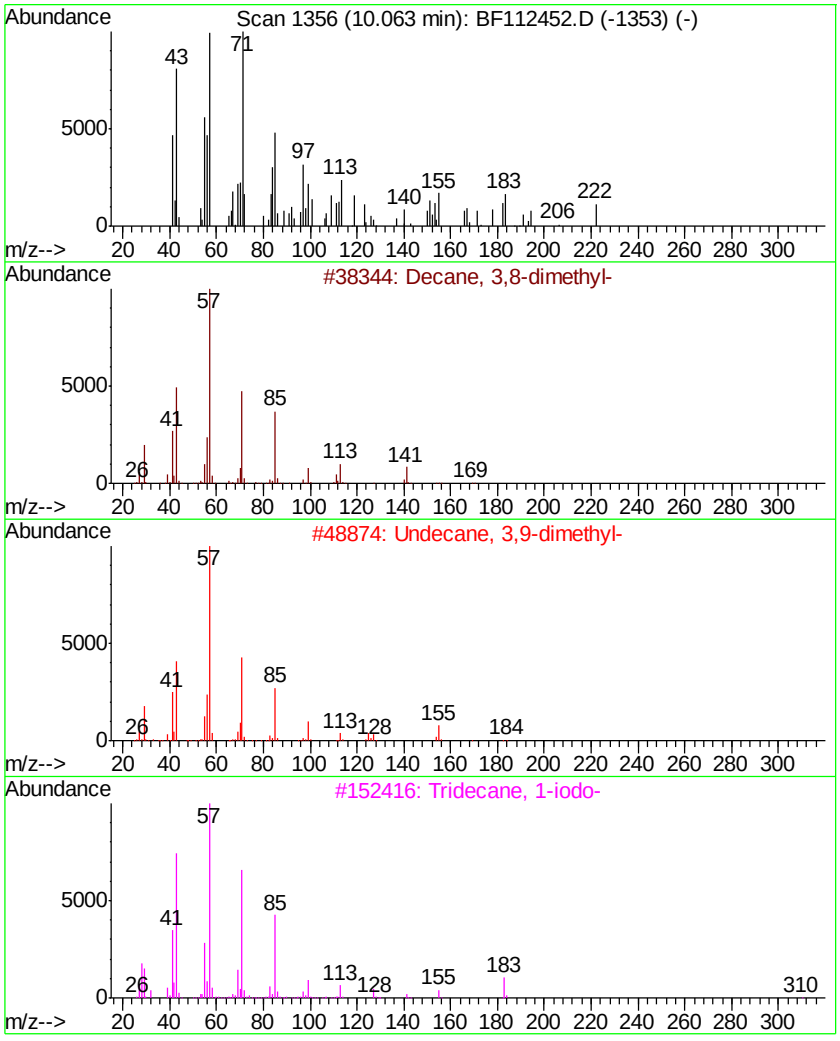
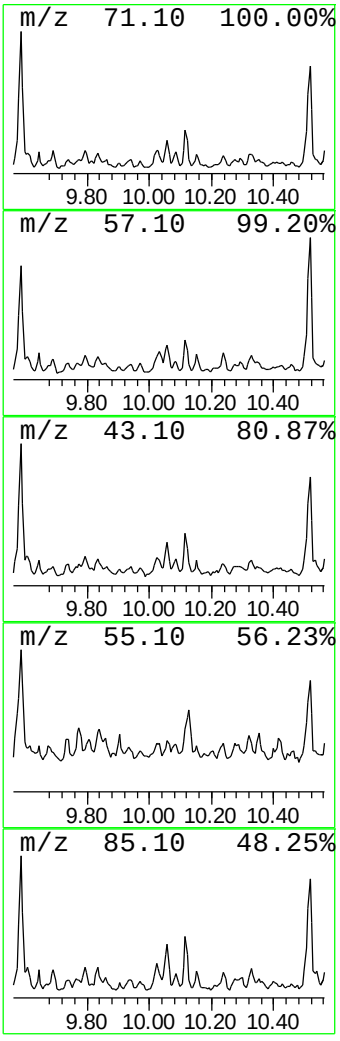
Peak Number 13 Decane, 3,8-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	2.23 ng	117782	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	72
2	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	64
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	64
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	53
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	53





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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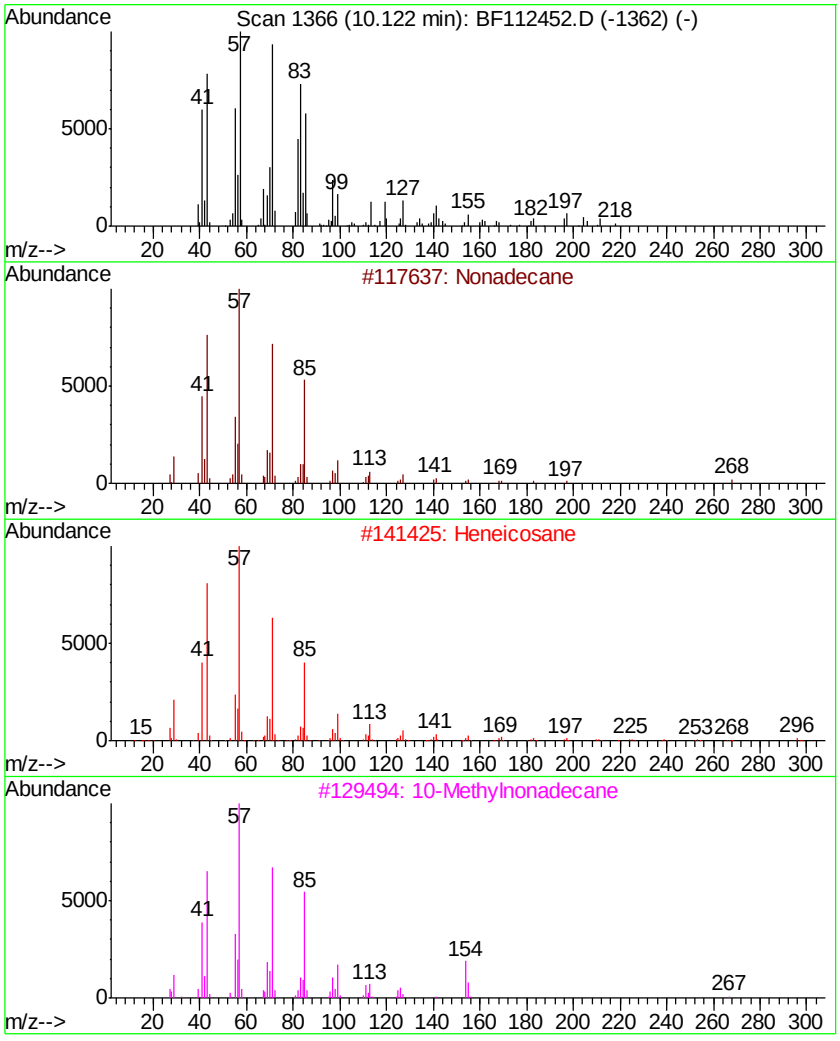
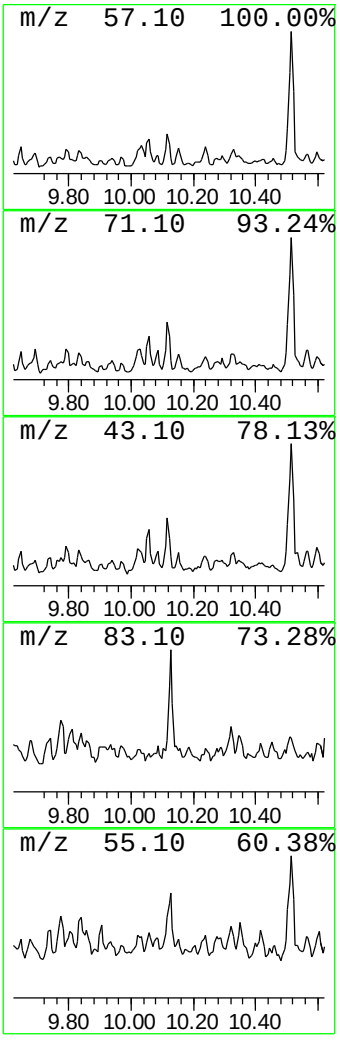
Peak Number 14 Nonadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	3.91 ng	206522	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Heneicosane	296	C21H44	000629-94-7	86
3	10-Methylnonadecane	282	C20H42	056862-62-5	86
4	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	86
5	Hexacosane	366	C26H54	000630-01-3	80





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ClientSampleId : DUPE-X

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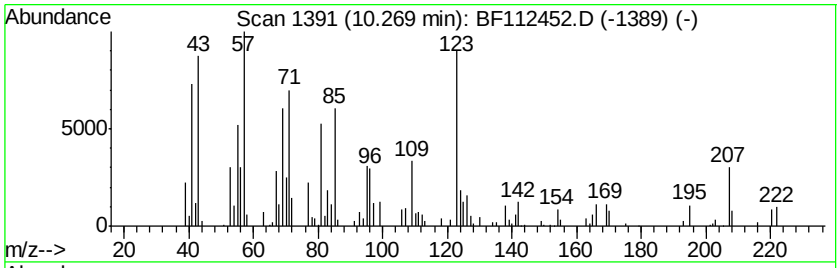
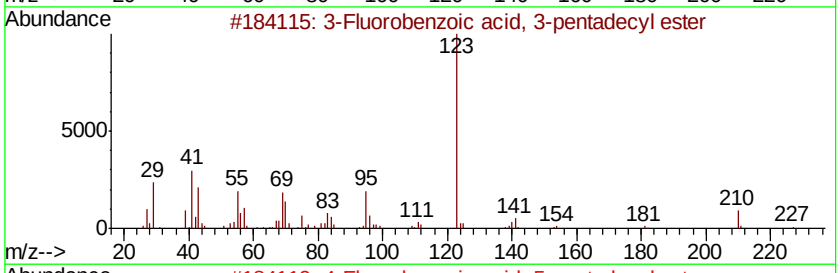
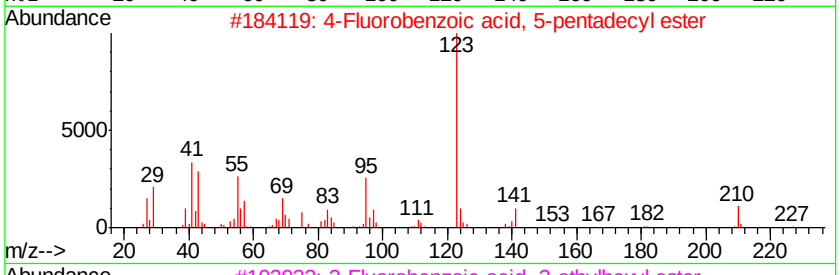
Peak Number 15 unknown10.27 Concentration Rank 20

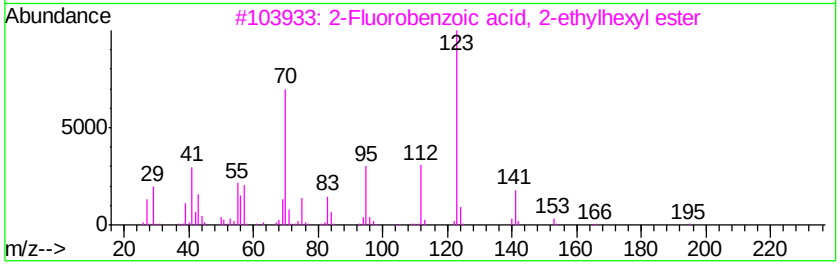
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	2.14 ng	113180	Acenaphthene-d10	9.87

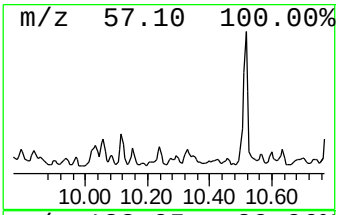
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Fluorobenzoic acid, 3-pentadec...	350	C22H35FO2	1000280-60-8	35
2	4-Fluorobenzoic acid, 5-pentadec...	350	C22H35FO2	1000280-68-6	35
3	2-Fluorobenzoic acid, 2-ethylhex...	252	C15H21FO2	1000278-97-8	35
4	4-Fluorobenzoic acid, 3-methylbu...	208	C12H13FO2	1000299-15-1	35
5	2-Cyclopentene-1-carboxylic acid...	196	C12H20O2	1000195-65-9	27

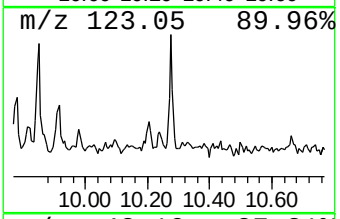


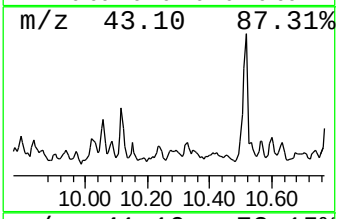


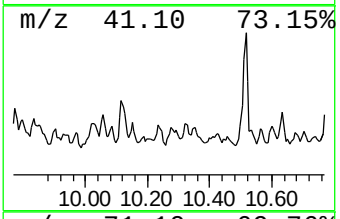


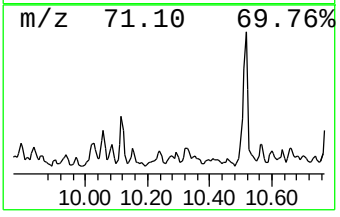












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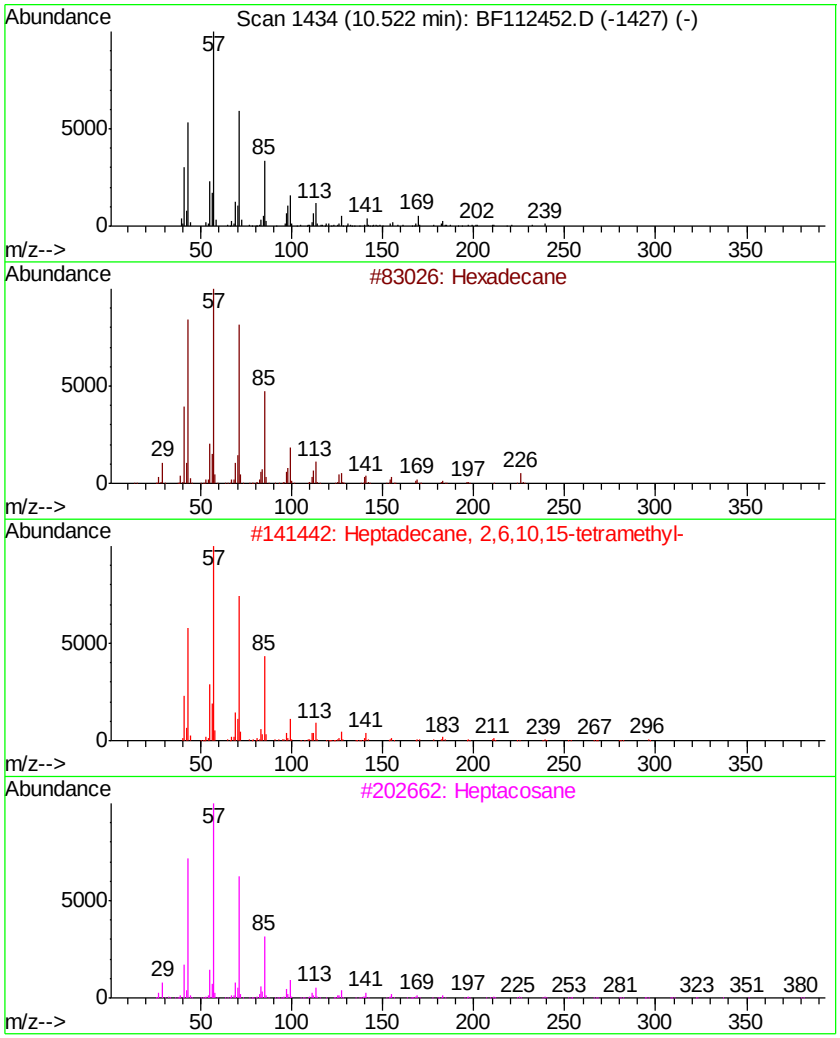
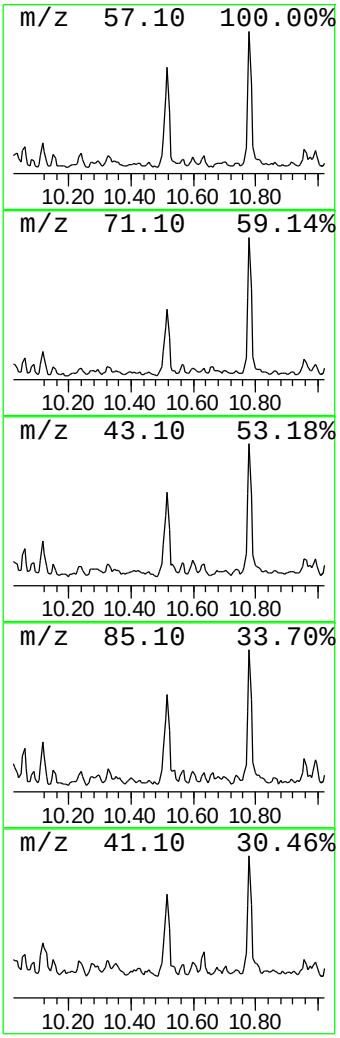
Peak Number 16 Hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	9.43 ng	498169	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	83
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
3	Heptacosane	380	C27H56	000593-49-7	80
4	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	72
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	64





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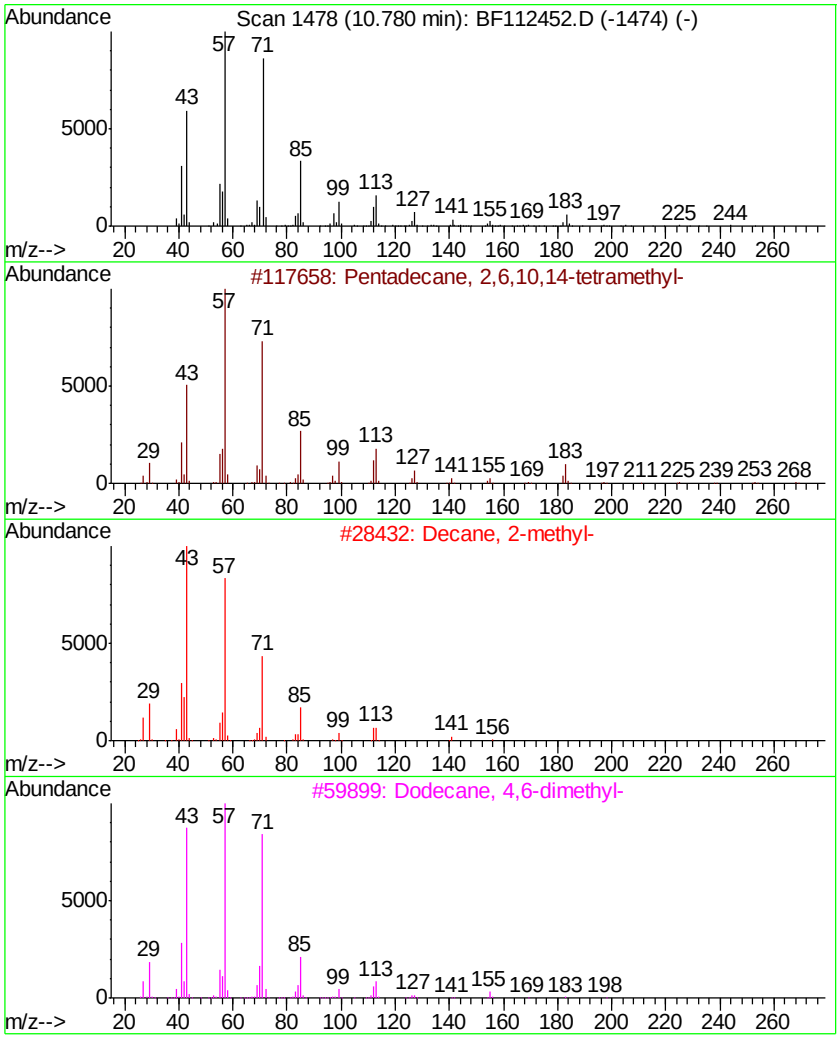
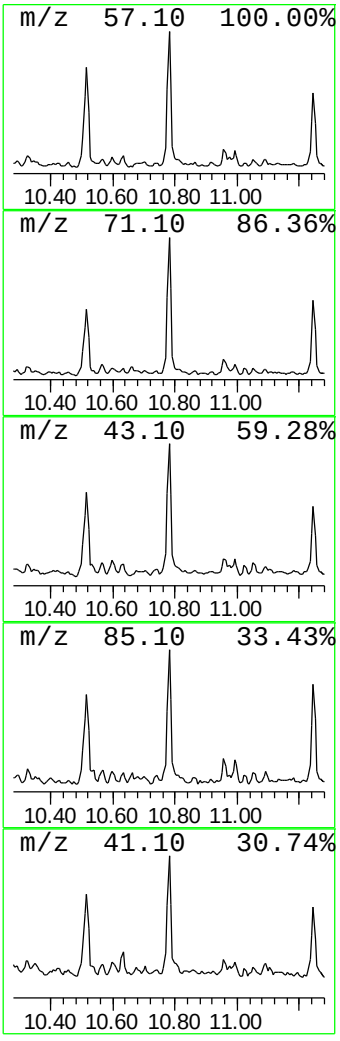
Peak Number 17 Pentadecane, 2,6,10,14-tetr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	12.72 ng	612802	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
2	Decane, 2-methyl-	156	C11H24	006975-98-0	87
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	86
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
5	Heptacosane	380	C27H56	000593-49-7	80





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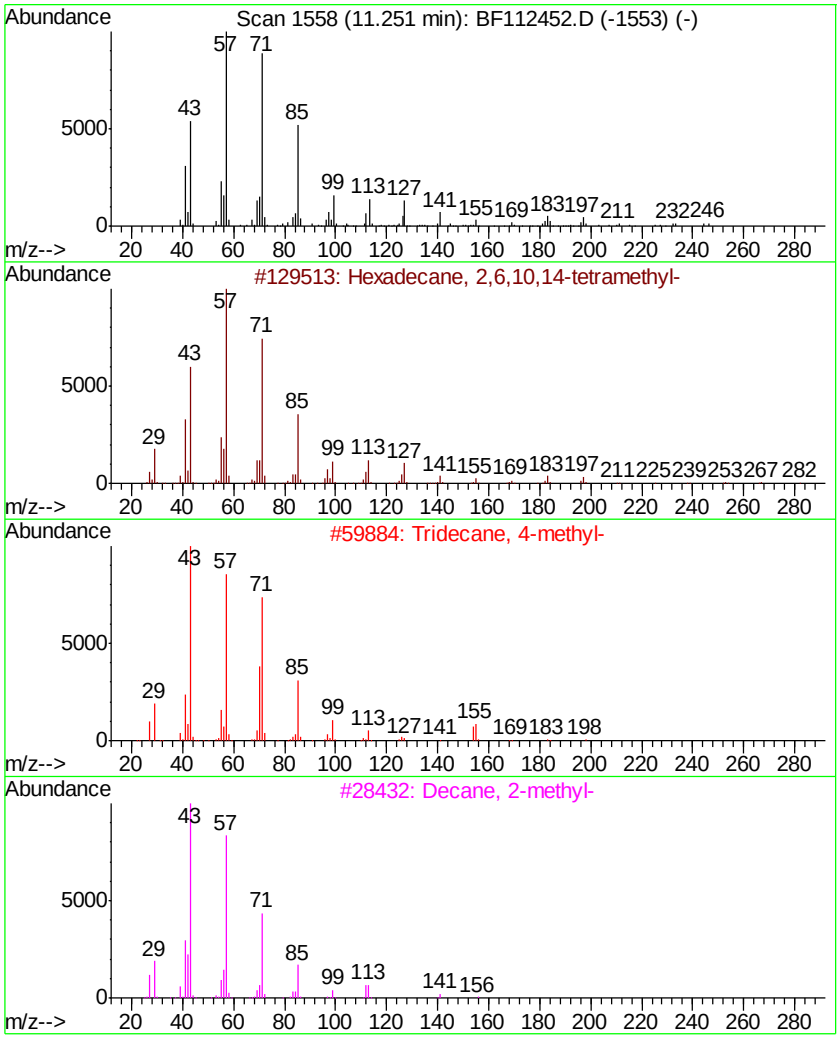
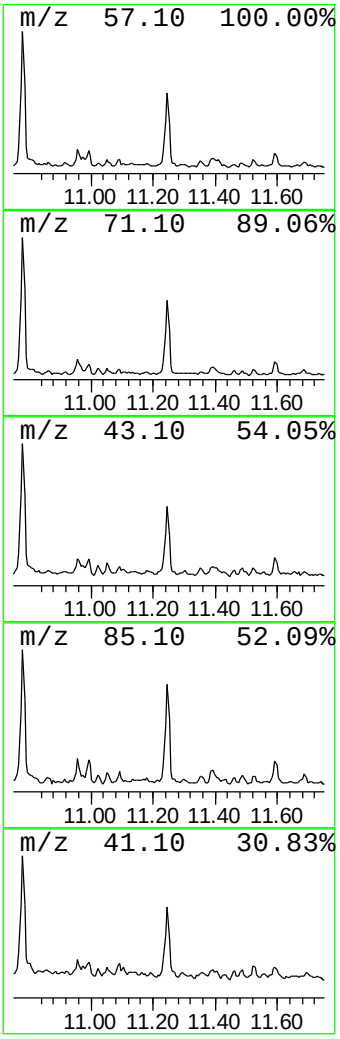
Peak Number 18 Hexadecane, 2,6,10,14-tetra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	8.88 ng	428138	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	91
2	Tridecane, 4-methyl-	198	C14H30	026730-12-1	87
3	Decane, 2-methyl-	156	C11H24	006975-98-0	87
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
5	Pentadecane, 4-methyl-	226	C16H34	002801-87-8	86





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Data File : BF112452.D
Acq On : 7 Feb 2019 21:38
Operator : JU/SJ
Sample : K1390-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUPE-X

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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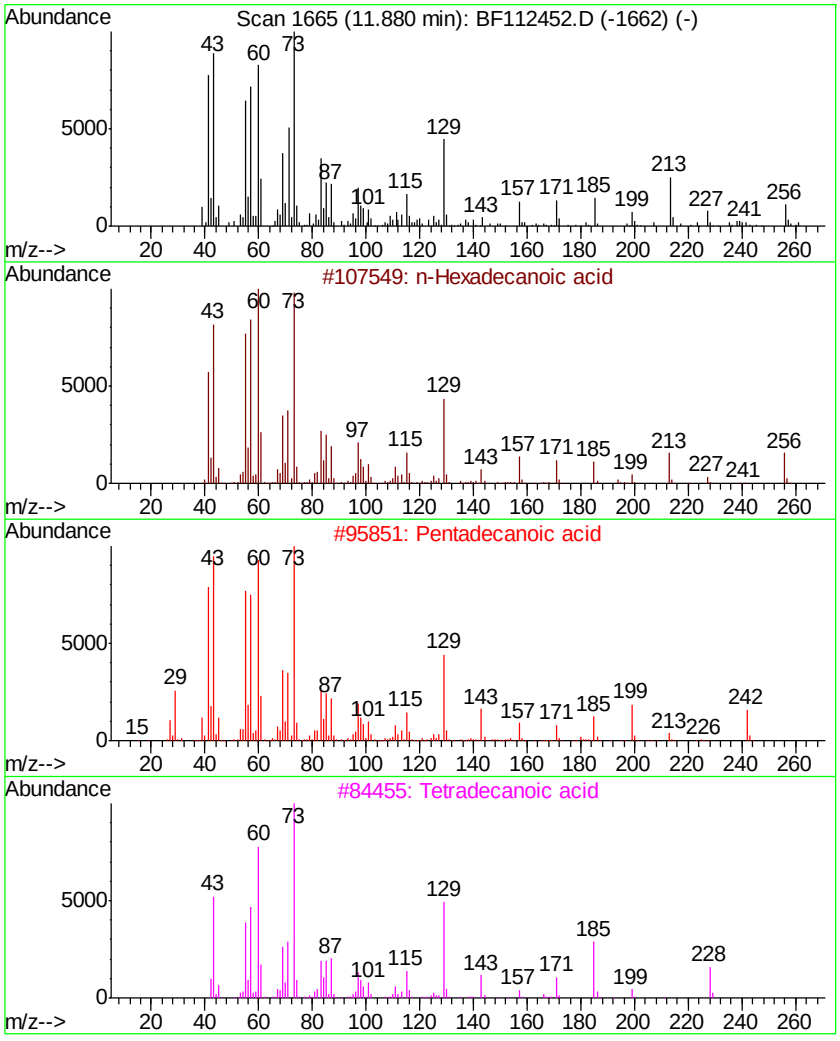
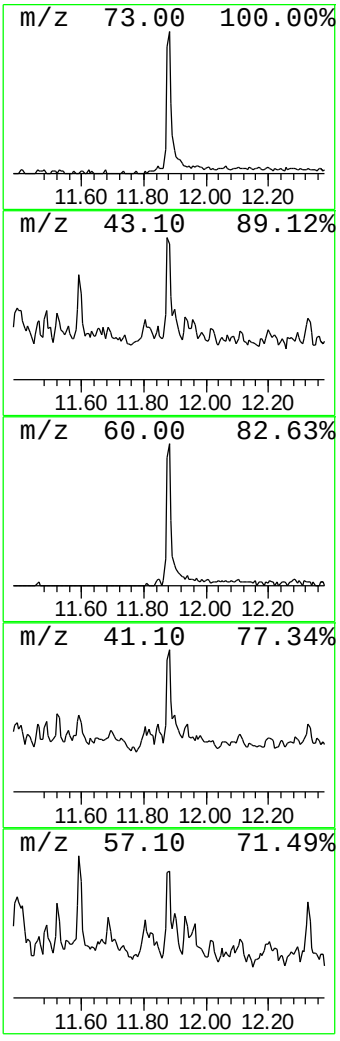
Peak Number 19 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	5.22 ng	251811	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	76
4	n-Decanoic acid	172	C10H20O2	000334-48-5	68
5	Tridecanoic acid	214	C13H26O2	000638-53-9	68





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Data File : BF112452.D
Acq On : 7 Feb 2019 21:38
Operator : JU/SJ
Sample : K1390-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUPE-X

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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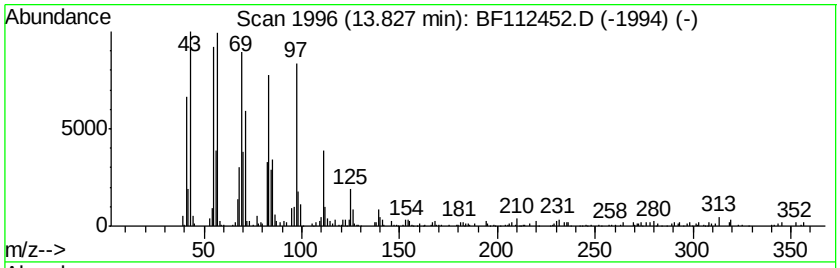
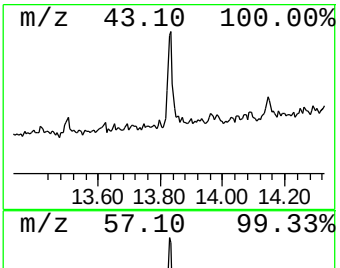
Peak Number 20 1-Docosene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	6.06 ng	251682	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	93
2	9-Eicosene, (E)-	280	C20H40	074685-29-3	93
3	5-Eicosene, (E)-	280	C20H40	074685-30-6	92
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91
5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020719\
Data File : BF112452.D
Acq On : 7 Feb 2019 21:38
Operator : JU/SJ
Sample : K1390-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUPE-X

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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
unknown2.11	2.11	3.5	ng	128689	1	6.83	738332	20.0
2-Pentanone, 4-hy...	5.05	2.9	ng	106193	1	6.83	738332	20.0
unknown6.61	6.61	67.7	ng	2497880	1	6.83	738332	20.0
Undecane, 3,6-dim...	8.17	2.2	ng	98525	2	8.12	910026	20.0
Octane, 2,6-dimet...	8.53	4.9	ng	221216	2	8.12	910026	20.0
Undecane, 5-ethyl-	8.80	2.5	ng	114236	2	8.12	910026	20.0
1-Octanol, 2-butyl-	8.99	2.5	ng	111315	2	8.12	910026	20.0
Dodecane, 2,6,10-...	9.13	5.4	ng	284392	3	9.87	1056000	20.0
unknown9.27	9.27	4.0	ng	213279	3	9.87	1056000	20.0
unknown9.77	9.77	2.5	ng	132618	3	9.87	1056000	20.0
Nonane, 2-methyl-...	10.03	2.4	ng	127006	3	9.87	1056000	20.0
Decane, 3,8-dimet...	10.06	2.2	ng	117782	3	9.87	1056000	20.0
Nonadecane	10.12	3.9	ng	206522	3	9.87	1056000	20.0
unknown10.27	10.27	2.1	ng	113180	3	9.87	1056000	20.0
Hexadecane	10.52	9.4	ng	498169	3	9.87	1056000	20.0
Pentadecane, 2,6,...	10.78	12.7	ng	612802	4	11.36	963902	20.0
Hexadecane, 2,6,1...	11.25	8.9	ng	428138	4	11.36	963902	20.0
n-Hexadecanoic acid	11.88	5.2	ng	251811	4	11.36	963902	20.0
1-Docosene	13.83	6.1	ng	251682	5	14.00	830277	20.0