LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109356.D
Acq On : 26 Sep 2018 23:52
Operator : JU/SJ
Sample : J5078-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 600-WILSON-AVE-NEWARK

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-BF092218.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	5.316	545	549	563	rVB	989703	951012	3.23%	1.322%
2	6.345	720	724	740	rBV	335070	624841	2.12%	0.869%
3	6.475	742	746	751	rBV	1699924	1687437	5.72%	2.346%
4	6.704	782	785	789	rBV	630260	547509	1.86%	0.761%
5	6.781	794	798	808	rBV	465719	408851	1.39%	0.568%
6	6.863	808	812	816	rBV	1962007	1716464	5.82%	2.386%
7	7.269	876	881	884	rBV	1502393	1317217	4.47%	1.831%
8	7.986	1000	1003	1007	rBV	784013	618781	2.10%	0.860%
9	9.063	1182	1186	1189	rBV	2601784	2162624	7.34%	3.007%
10	9.339	1228	1233	1244	rBV	276247	529371	1.80%	0.736%
11	9.739	1297	1301	1302	rBV	788817	758020	2.57%	1.054%
12	10.439	1404	1420	1422	rBV2	7185762	29477451	100.00%	40.983%
13	10.586	1442	1445	1448	rBV	1589741	1200627	4.07%	1.669%
14	10.975	1508	1511	1513	rBV	435357	391201	1.33%	0.544%
15	11.063	1523	1526	1531	rBV	480803	446744	1.52%	0.621%
16	11.222	1549	1553	1556	rBV	777244	607578	2.06%	0.845%
17	11.345	1570	1574	1577	rBV	1583456	1237659	4.20%	1.721%
18	11.433	1585	1589	1593	rBV	957125	966830	3.28%	1.344%
19	11.516	1600	1603	1605	rBV2	321874	302144	1.03%	0.420%
20	11.763	1641	1645	1647	rBV2	825327	1032442	3.50%	1.435%
21	11.886	1662	1666	1668	rBV2	922561	862273	2.93%	1.199%
22	11.910	1668	1670	1674	rVB	462284	414453	1.41%	0.576%
23	12.251	1717	1728	1731	rBV	6835469	15865715	53.82%	22.058%
24	12.280	1731	1733	1743	rVB	1886789	1958664	6.64%	2.723%
25	12.798	1817	1821	1825	rBV	2206633	2131391	7.23%	2.963%
26	13.839	1995	1998	2002	rBV	840459	742723	2.52%	1.033%
27	15.245	2232	2237	2239	rBV	520185	653276	2.22%	0.908%
28	15.274	2239	2242	2251	rVB	1779779	2313146	7.85%	3.216%

Sum of corrected areas: 71926444

LSC Report - Integrated Chromatogram

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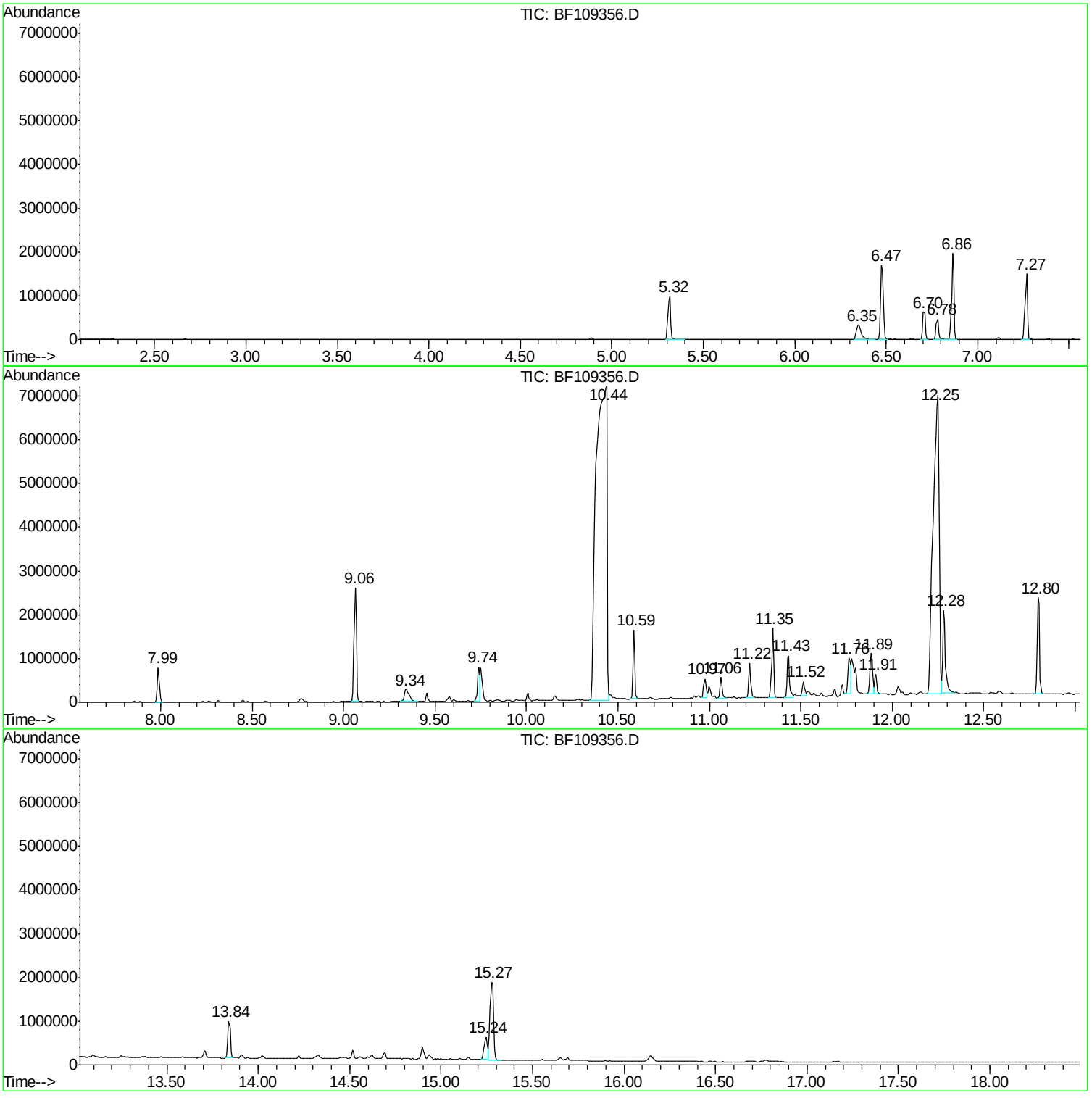
Sample : J5078-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600-WILSON-AVE-NEWARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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

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Data File : BF109356.D
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ClientSampleId :
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TIC Library : C:\DATABASE\NIST11.L
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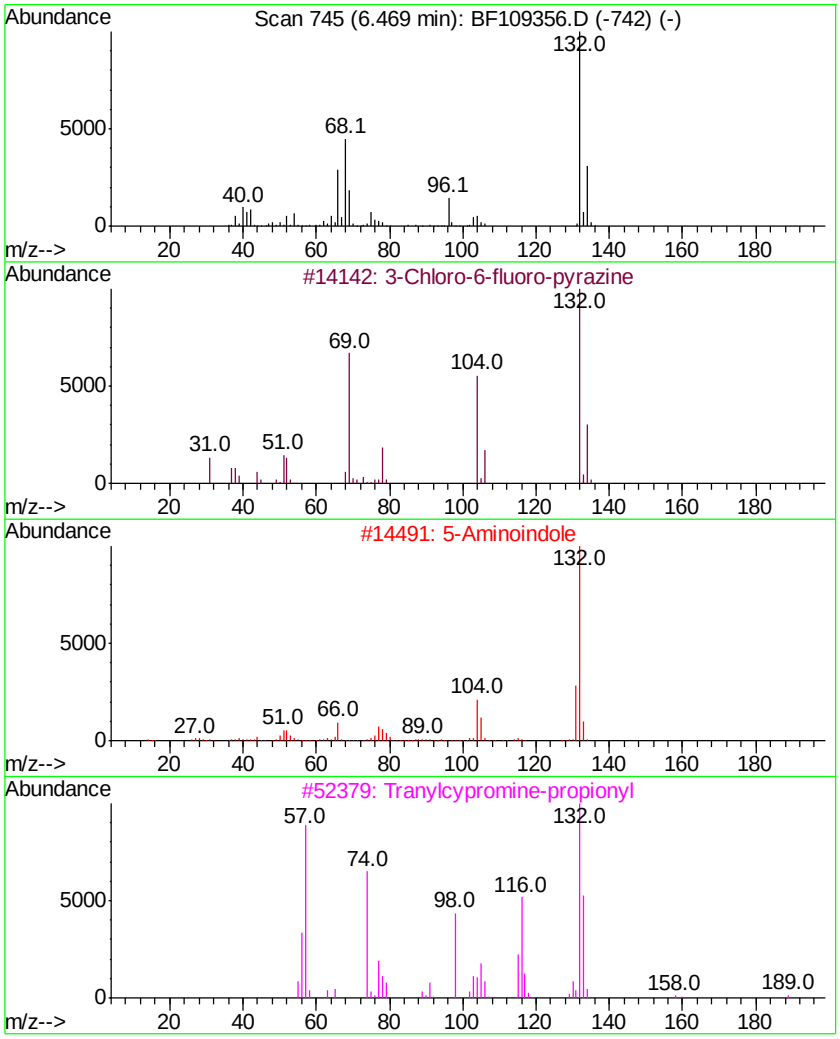
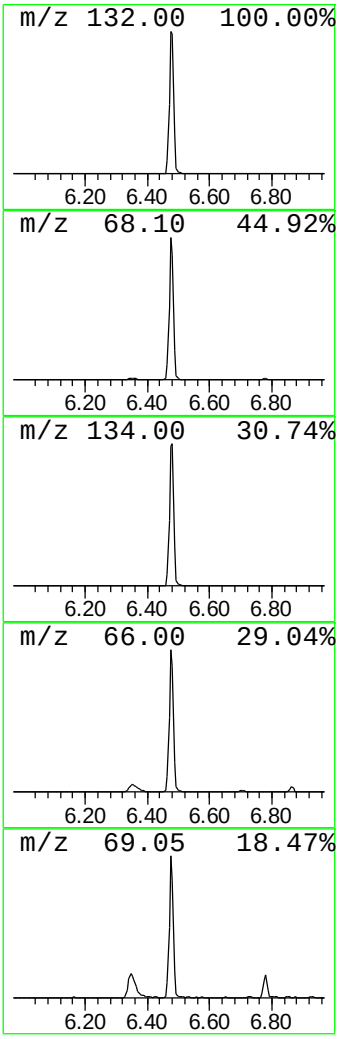
****

Peak Number 1 unknown6.47 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	61.64 ng	1687440	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9





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Operator : JU/SJ
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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600-WILSON-AVE-NEWARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

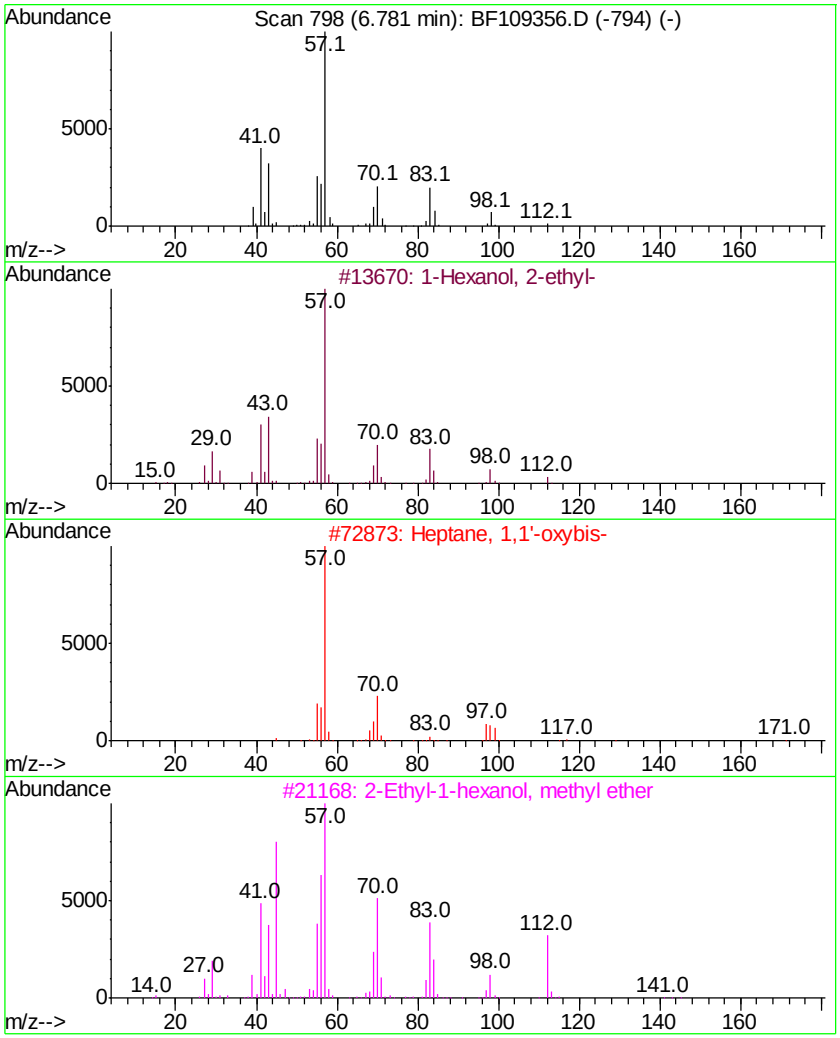
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

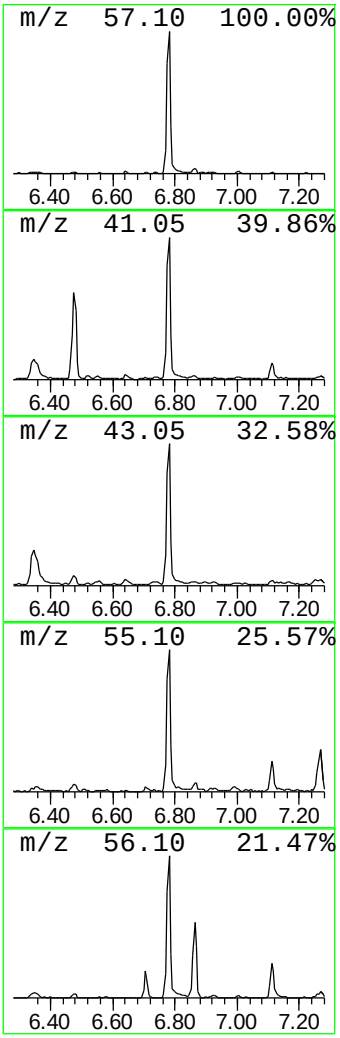
****

Peak Number 2 1-Hexanol, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	14.94 ng	408851	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
2	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	59
3	2-Ethyl-1-hexanol, methyl ether	144	C9H20O	1000365-10-2	50
4	Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	47
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	40





Library Search Compound Report

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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600-WILSON-AVE-NEWARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
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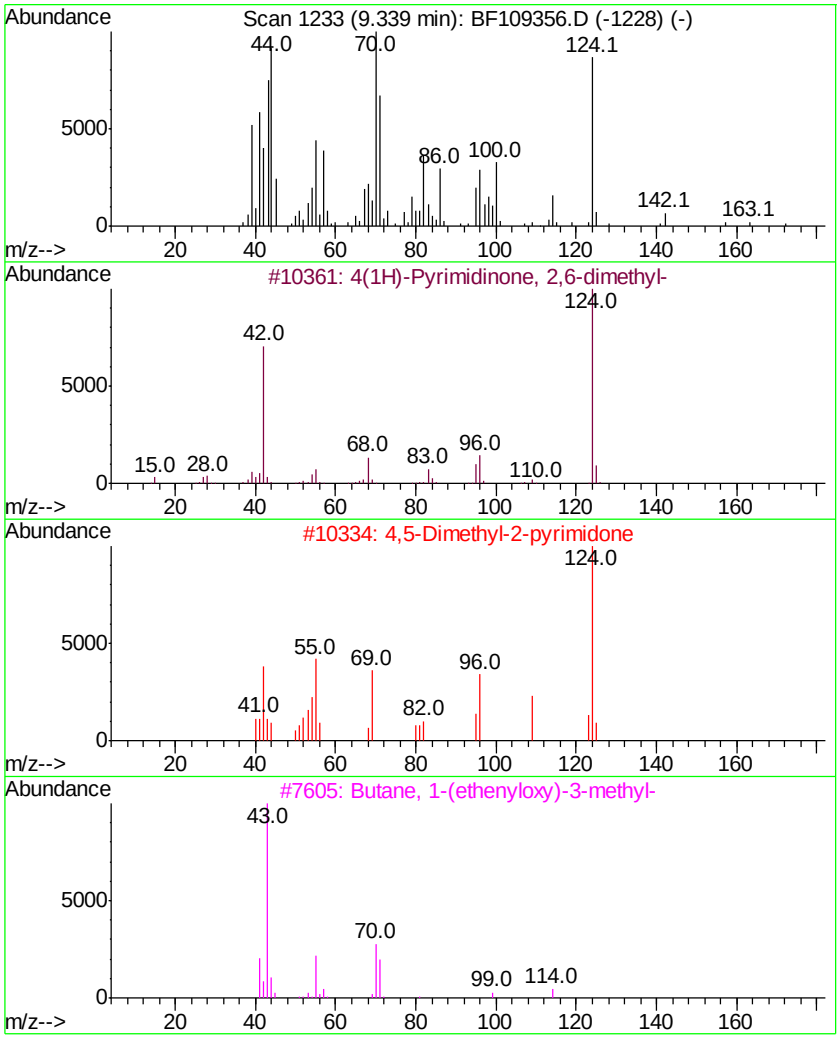
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

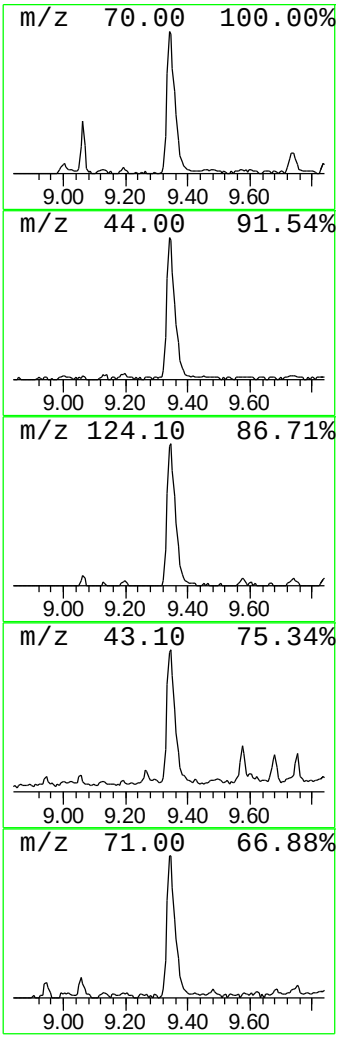
****

Peak Number 4 unknown9.34 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	13.97 ng	529371	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4(1H)-Pyrimidinone, 2,6-dimethyl-	124	C6H8N2O	006622-92-0	38
2	4,5-Dimethyl-2-pyrimidone	124	C6H8N2O	034939-17-8	38
3	Butane, 1-(ethenyloxy)-3-methyl-	114	C7H14O	039782-38-2	38
4	2-Butenediamide, (Z)-	114	C4H6N2O2	000928-01-8	27
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109356.D
Acq On : 26 Sep 2018 23:52
Operator : JU/SJ
Sample : J5078-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 600-WILSON-AVE-NEWARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

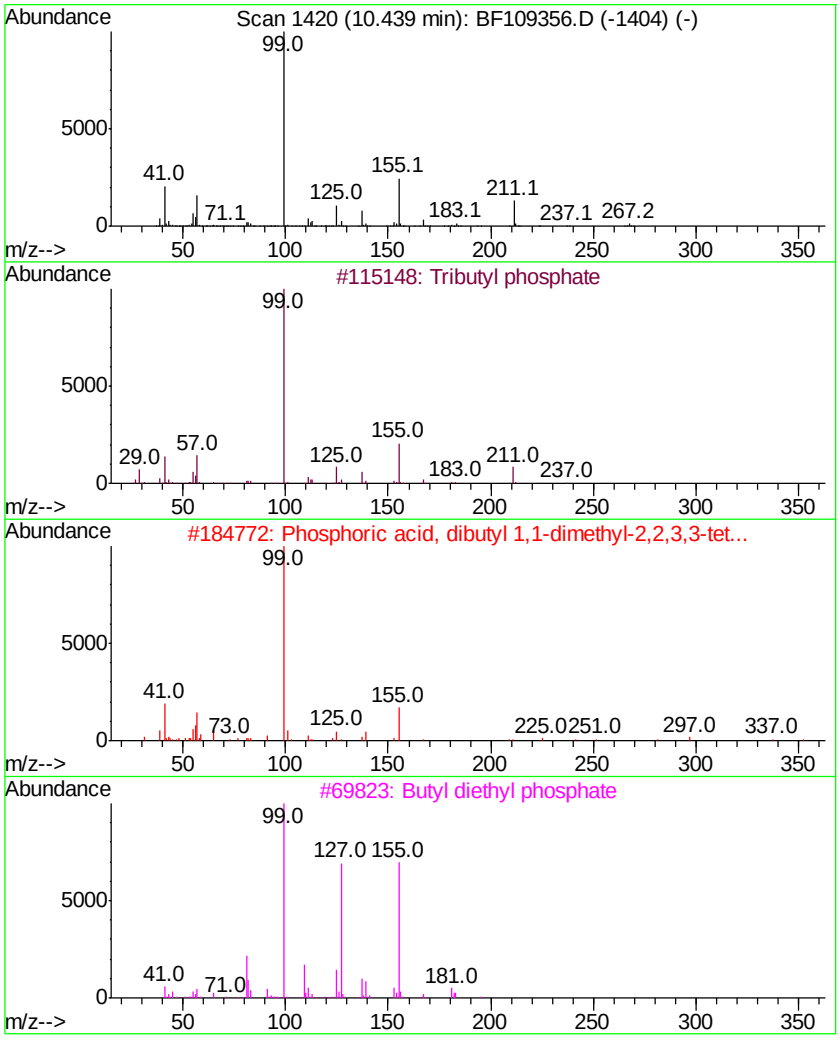
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

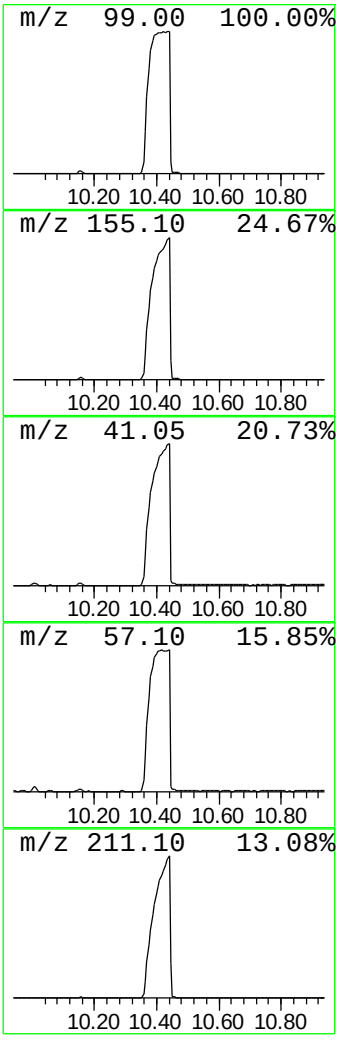
****

Peak Number 5 Tributyl phosphate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	777.75 ng	29477500	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tributyl phosphate	266	C12H27O4P	000126-73-8	91
2	Phosphoric acid, dibutyl 1,1-dim...	352	C13H25F4O4P	1000298-93-9	50
3	Butyl diethyl phosphate	210	C8H19O4P	1000298-58-0	45
4	Phosphoric acid, dibutyl 3-trifl...	348	C14H28F3O4P	1000298-93-8	40
5	Phosphoric acid, heptyl propyl t...	434	C24H51O4P	1000309-01-6	38





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Operator : JU/SJ
Sample : J5078-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 600-WILSON-AVE-NEWARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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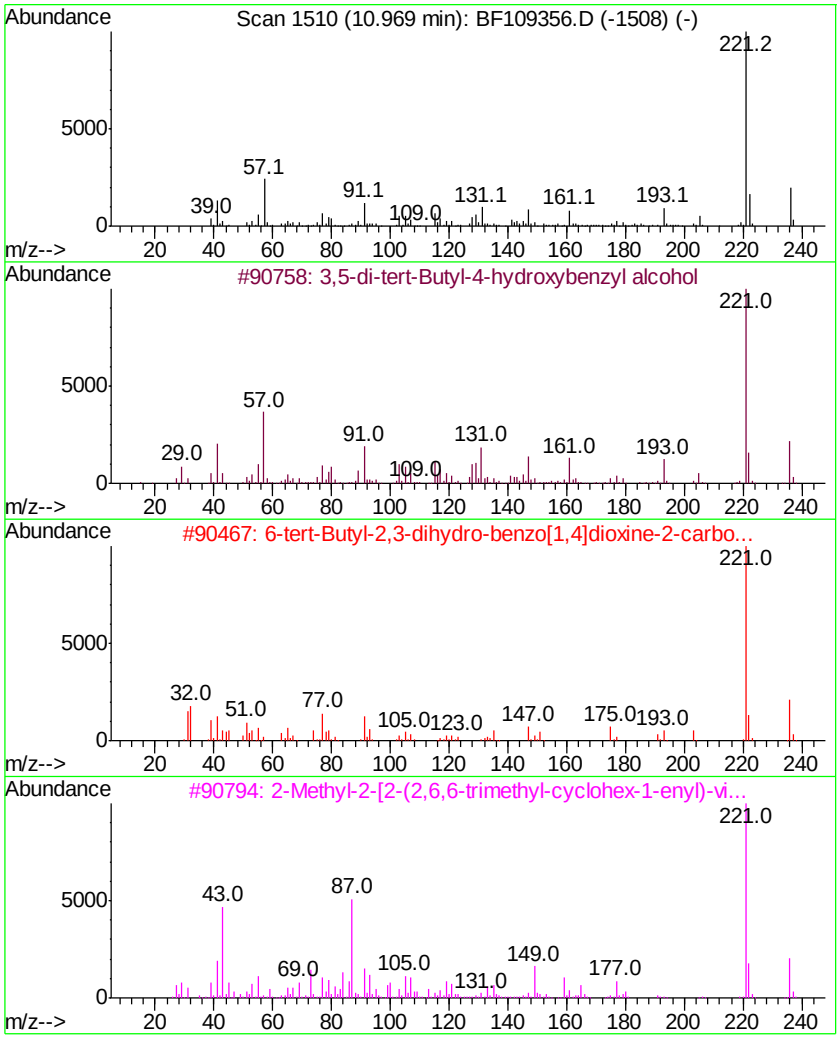
TIC Integration Parameters: LSCINT.P

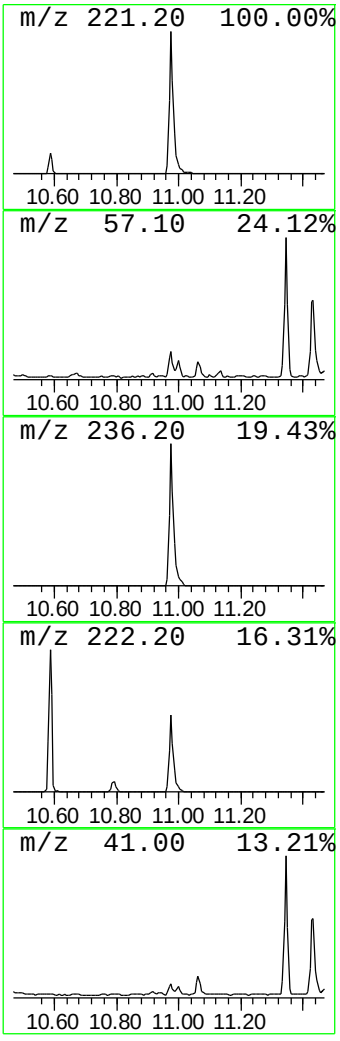
****

Peak Number 6 3,5-di-tert-Butyl-4-hydroxy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	12.88 ng	391201	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-di-tert-Butyl-4-hydroxybenzy...	236	C15H24O2	000088-26-6	97
2	6-tert-Butyl-2,3-dihydro-benzo[1...	236	C13H16O4	1000318-31-4	72
3	2-Methyl-2-[2-(2,6,6-trimethyl-c...	236	C15H24O2	014398-32-4	72
4	Methazolamide	236	C5H8N4O3S2	000554-57-4	64
5	Benzo[h]quinoline, 2,3,4-trimethyl-	221	C16H15N	063042-66-0	50





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Instrument : BNA_F
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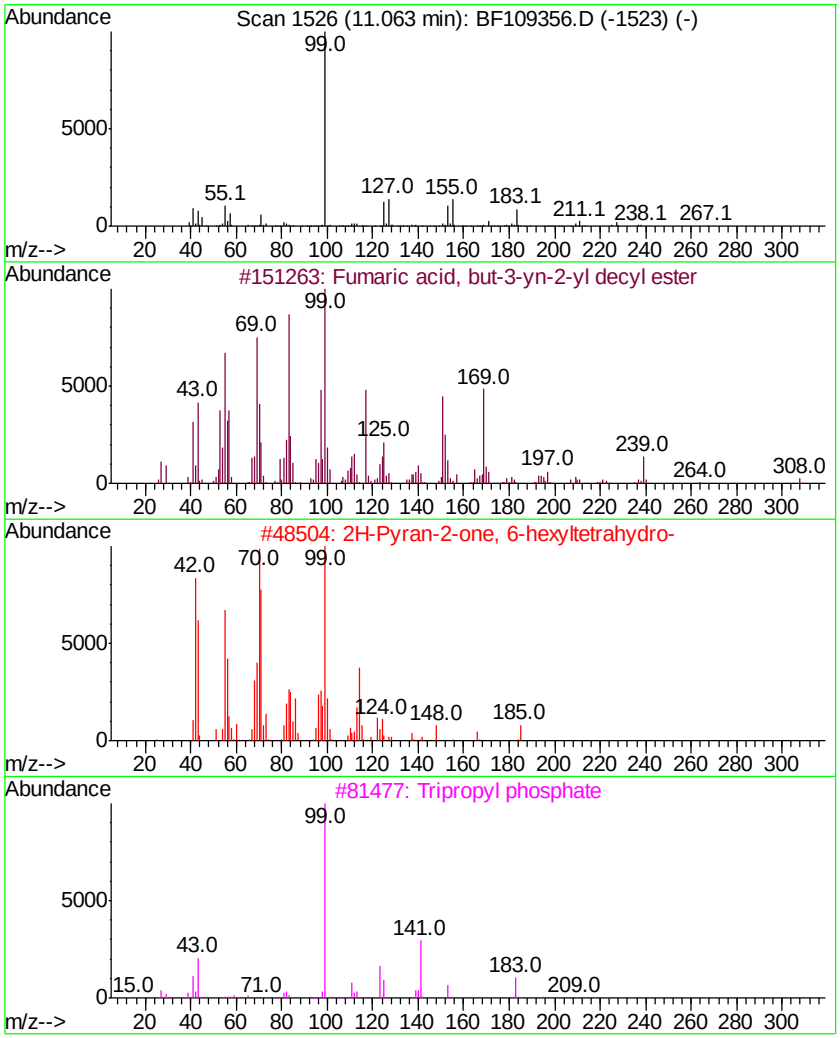
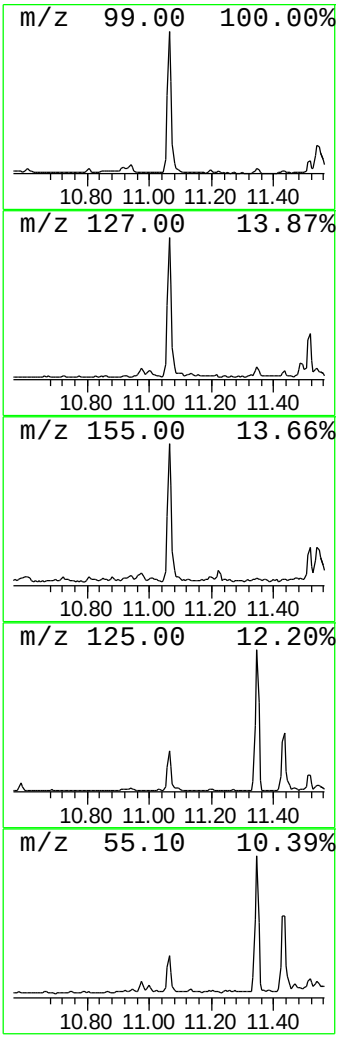
****

Peak Number 7 Fumaric acid, but-3-yn-2-yl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	14.71 ng	446744	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fumaric acid, but-3-yn-2-yl decy...	308	C18H28O4	1000345-28-6	50
2	2H-Pyran-2-one, 6-hexyltetrahydro-	184	C11H20O2	000710-04-3	38
3	Tripropyl phosphate	224	C9H21O4P	000513-08-6	38
4	Tributyl phosphate	266	C12H27O4P	000126-73-8	35
5	Phosphoric acid, dioctyl propyl ...	364	C19H41O4P	1000308-95-6	33





Library Search Compound Report

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Instrument :
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ClientSampleId :
600-WILSON-AVE-NEWARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
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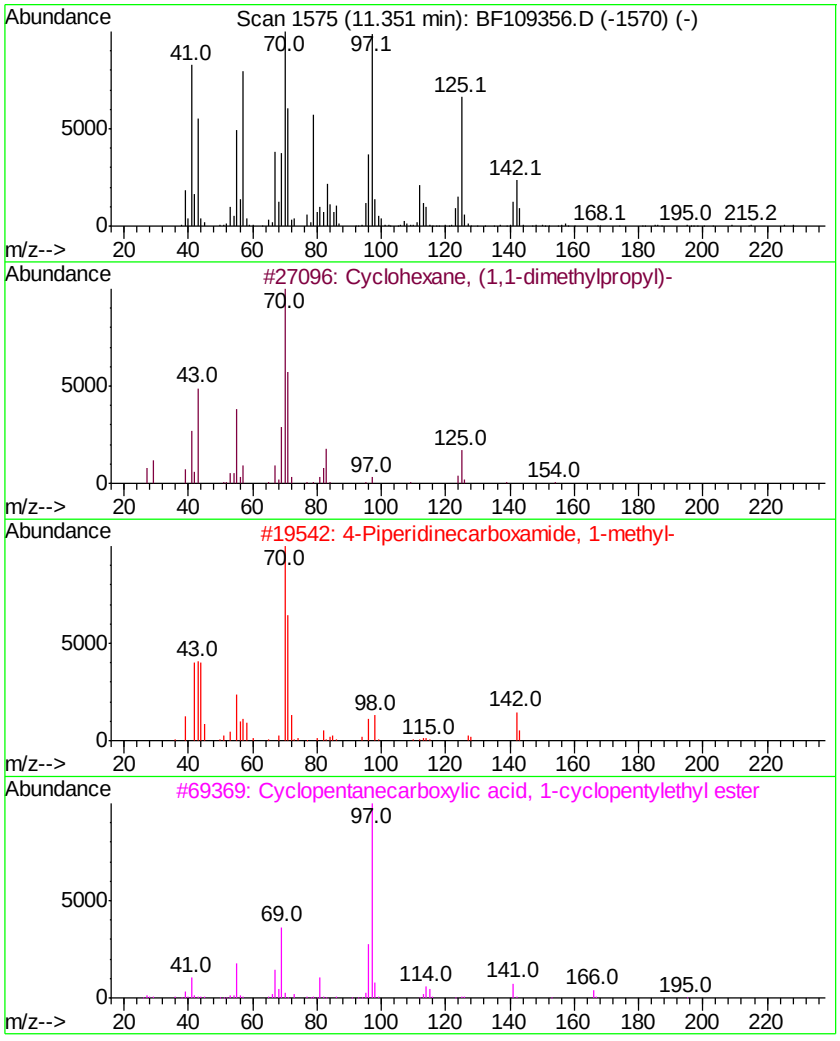
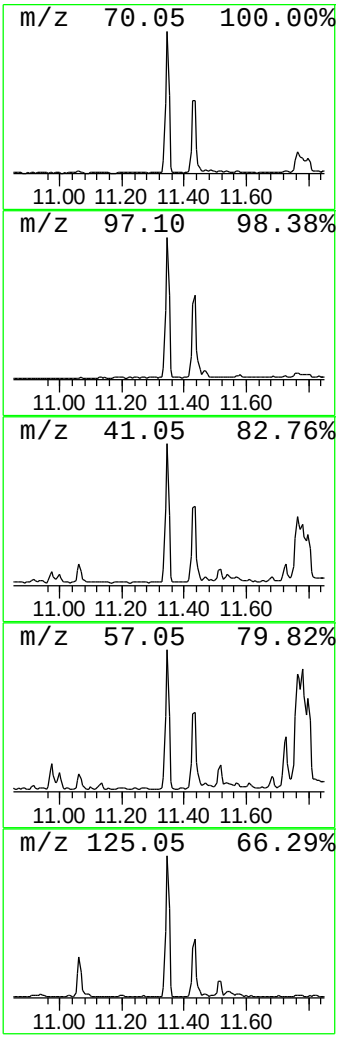
****

Peak Number 8 unknown11.35 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	40.74 ng	1237660	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1,1-dimethylpropyl)-	154	C11H22	031797-64-5	38
2	4-Piperidinecarboxamide, 1-methyl-	142	C7H14N2O	1000362-58-5	27
3	Cyclopentanecarboxylic acid, 1-c...	210	C13H22O2	1000282-58-9	22
4	Heptane, 3-ethyl-4-methyl-	142	C10H22	052896-91-0	22
5	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	22





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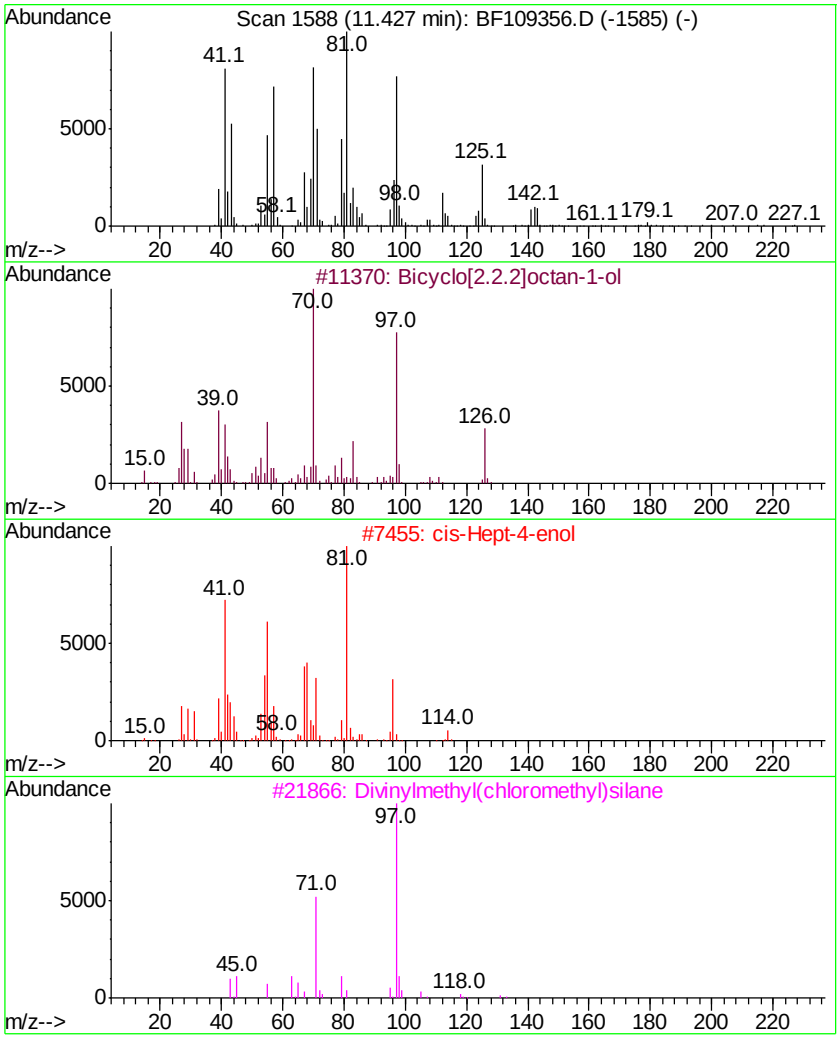
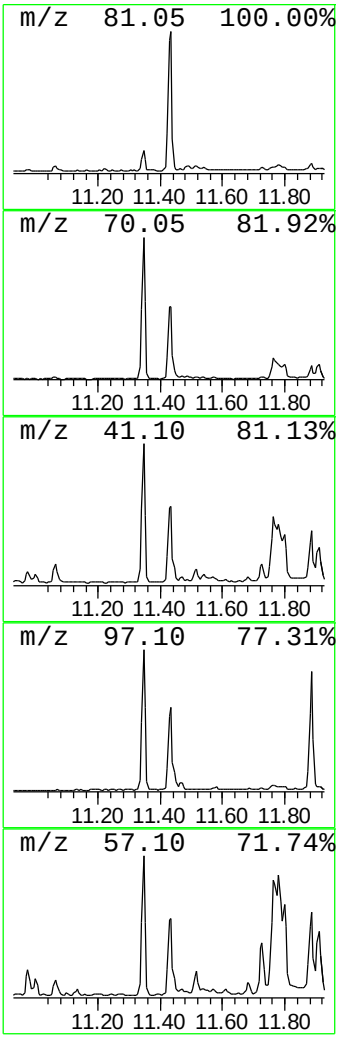
****

Peak Number 9 unknown11.43 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	31.83 ng	966830	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.2]octan-1-ol	126	C8H14O	020534-58-1	35
2	cis-Hept-4-enol	114	C7H14O	006191-71-5	18
3	Divinylmethyl(chloromethyl)silane	146	C6H11ClSi	025202-02-2	14
4	3,4-Diethyl hexane	142	C10H22	019398-77-7	14
5	Cyclopentanecarboxylic acid, 1-c...	210	C13H22O2	1000282-58-9	14





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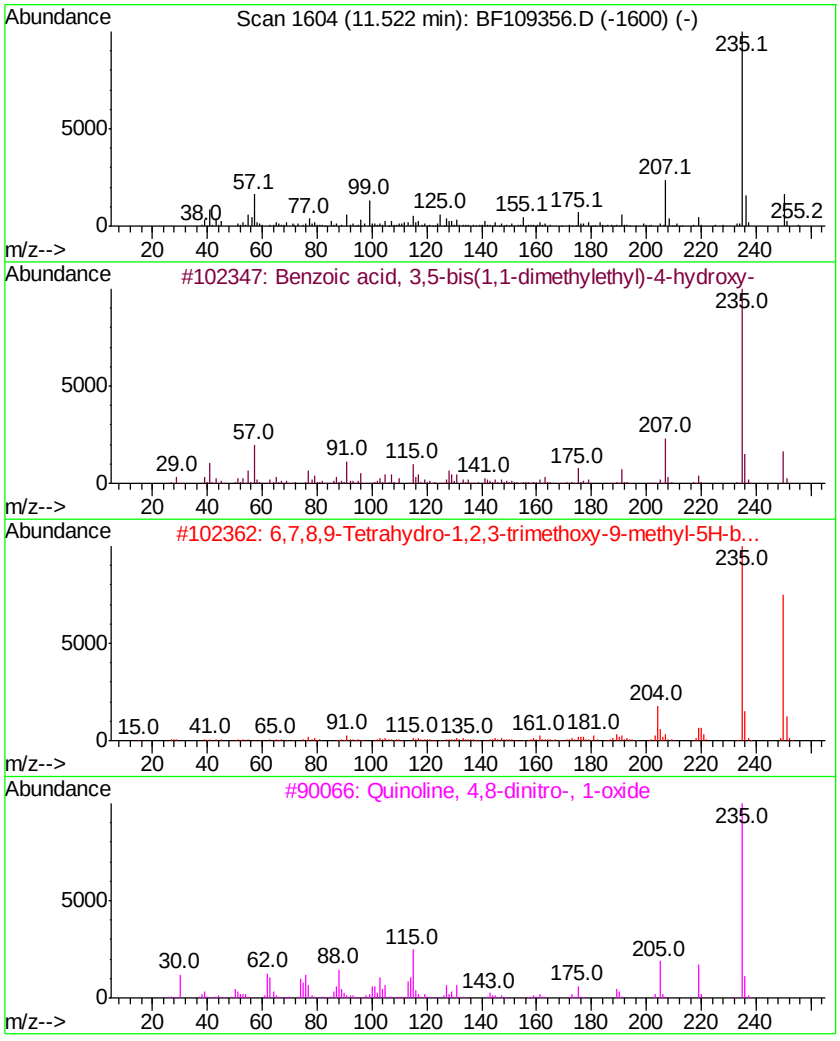
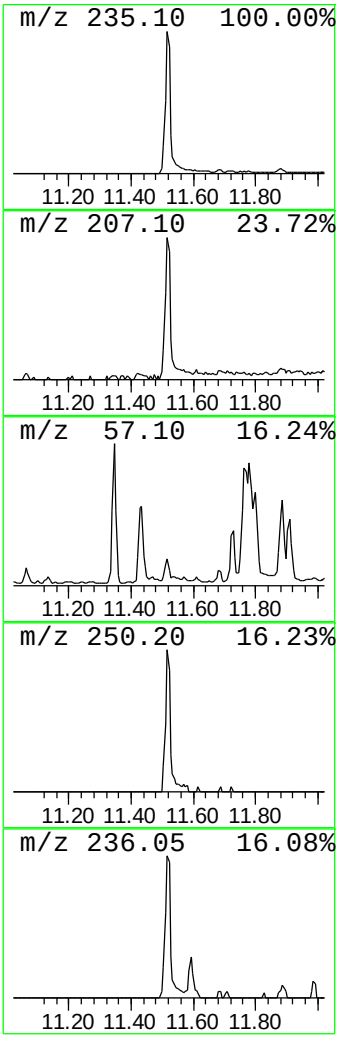
****

Peak Number 10 Benzoic acid, 3,5-bis(1,1-d... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	9.95 ng	302144	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3,5-bis(1,1-dimeth...	250	C15H22O3	001421-49-4	97
2	6,7,8,9-Tetrahydro-1,2,3-trimeth...	250	C15H22O3	1000242-60-6	46
3	Quinoline, 4,8-dinitro-, 1-oxide	235	C9H5N3O5	014753-19-6	43
4	Pyrazole, 5-amino-1,3-diphenyl-	235	C15H13N3	005356-71-8	43
5	N-(4-Hydroxyphenyl)-2-naphthylamine	235	C16H13NO	000093-45-8	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109356.D
Acq On : 26 Sep 2018 23:52
Operator : JU/SJ
Sample : J5078-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600-WILSON-AVE-NEWARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

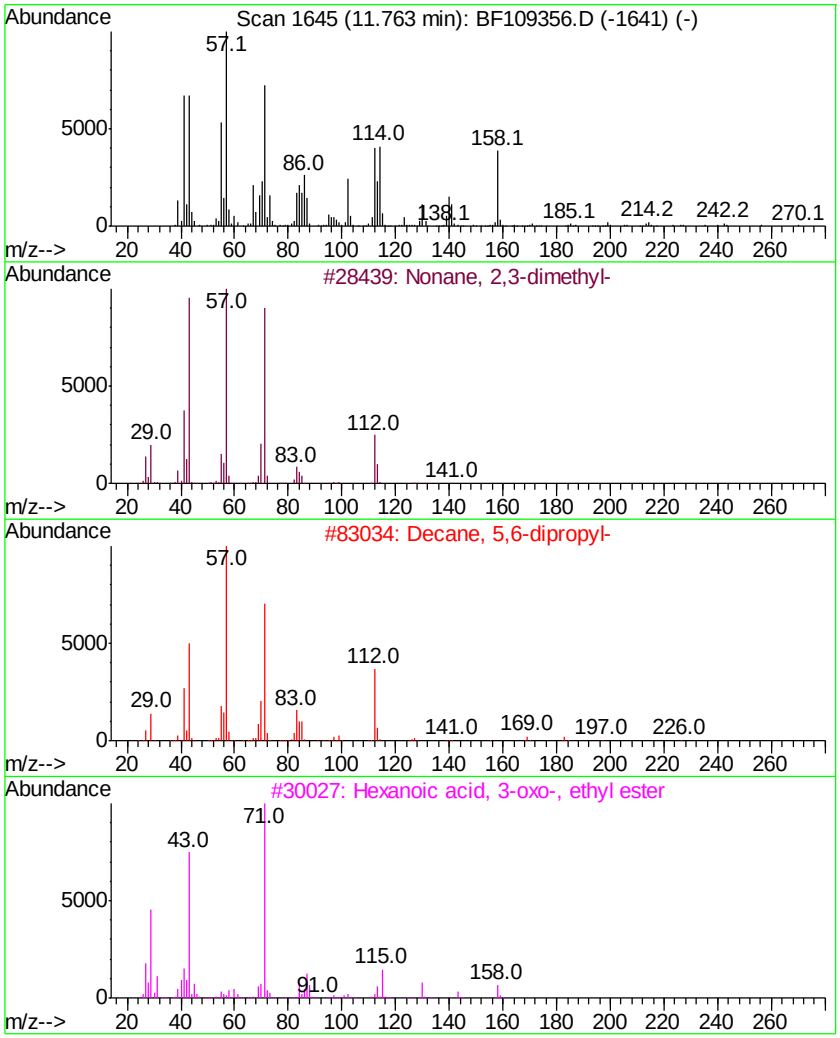
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

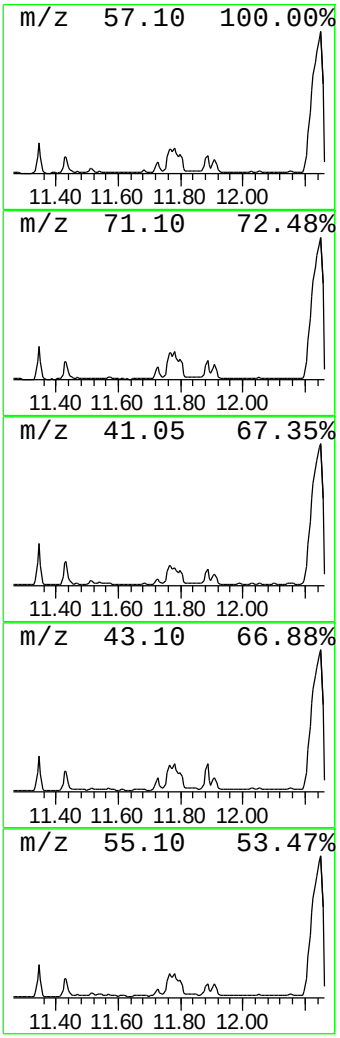
****

Peak Number 11 unknown11.76 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	33.99 ng	1032440	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,3-dimethyl-	156	C11H24	002884-06-2	25
2	Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	22
3	Hexanoic acid, 3-oxo-, ethyl ester	158	C8H14O3	003249-68-1	22
4	5-Ethyl-4-undecanone	198	C13H26O	1000374-08-5	22
5	Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	14





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109356.D
Acq On : 26 Sep 2018 23:52
Operator : JU/SJ
Sample : J5078-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 600-WILSON-AVE-NEWARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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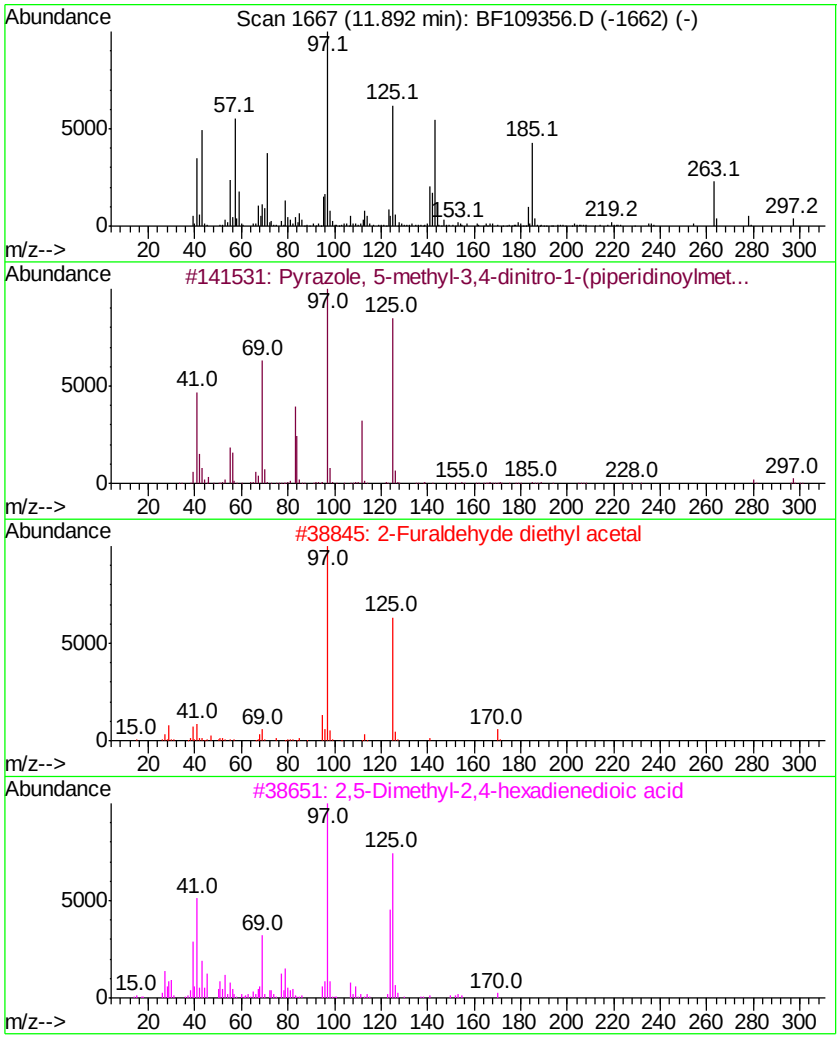
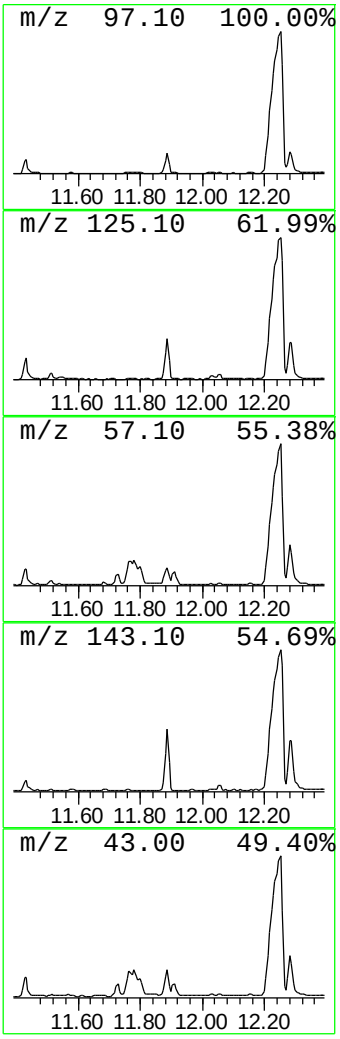
Peak Number 12 unknown11.89 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	28.38 ng	862273	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazole, 5-methyl-3,4-dinitro-1...	297	C11H15N5O5	345950-83-6	38
2	2-Furaldehyde diethyl acetal	170	C9H14O3	013529-27-6	35
3	2,5-Dimethyl-2,4-hexadienedioic ...	170	C8H10O4	1000340-67-6	35
4	3-Hydroxy-3-carbmethoxyquinuclidine	185	C9H15NO3	1000311-40-2	30
5	1H-Pyrazole-1-ethanamine, N-(2-c...	263	C13H14ClN3O	1000319-19-0	27





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109356.D
Acq On : 26 Sep 2018 23:52
Operator : JU/SJ
Sample : J5078-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 600-WILSON-AVE-NEWARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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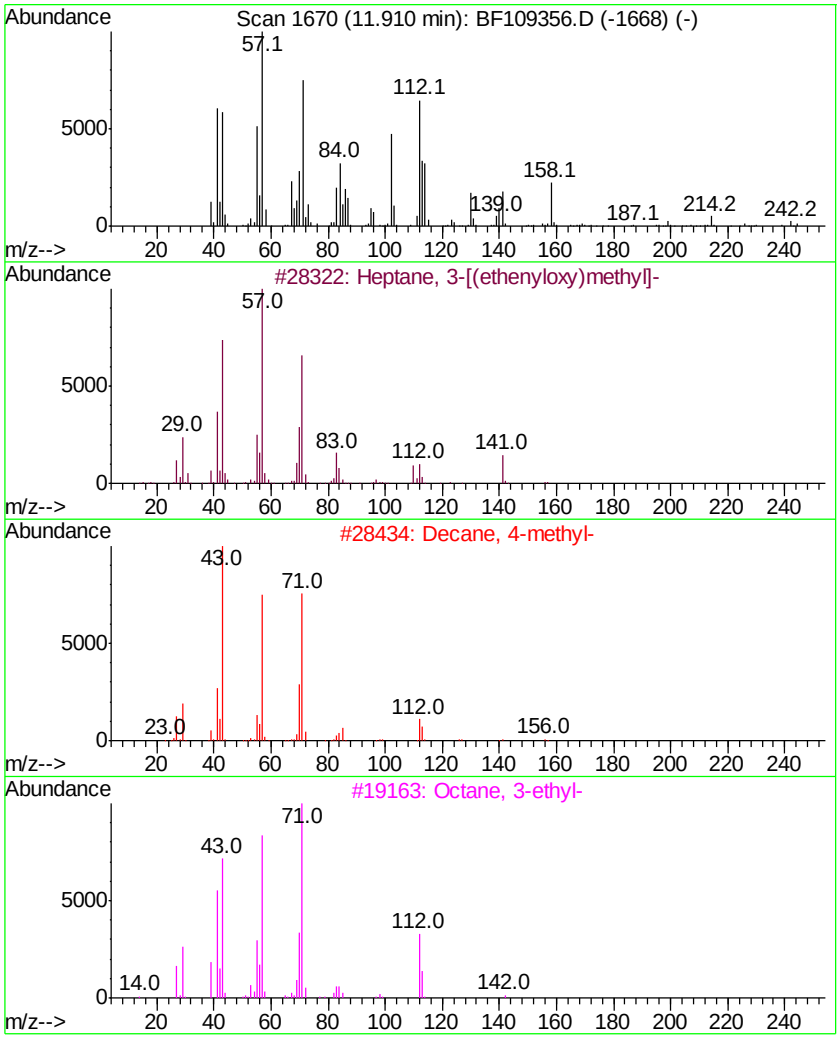
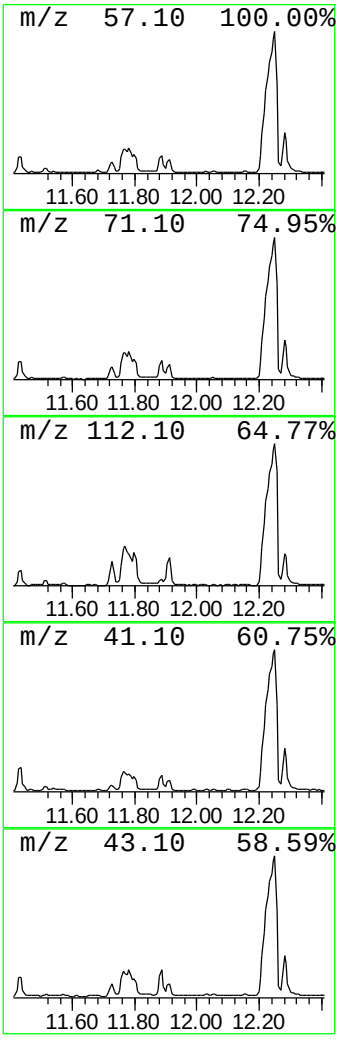
Peak Number 13 unknown11.91 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	13.64 ng	414453	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-[(ethenyloxy)methyl]-	156	C10H20O	000103-44-6	38
2	Decane, 4-methyl-	156	C11H24	002847-72-5	35
3	Octane, 3-ethyl-	142	C10H22	005881-17-4	30
4	Oxalic acid, 2-ethylhexyl tetrad...	398	C24H46O4	1000309-39-7	27
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109356.D
Acq On : 26 Sep 2018 23:52
Operator : JU/SJ
Sample : J5078-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 600-WILSON-AVE-NEWARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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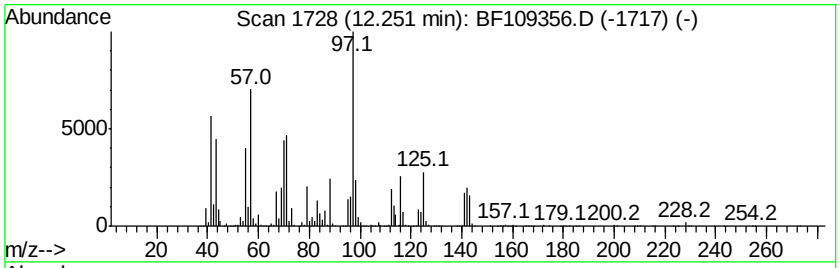
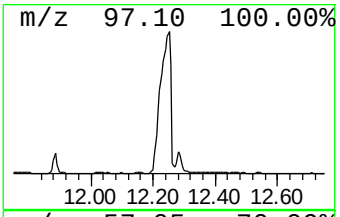
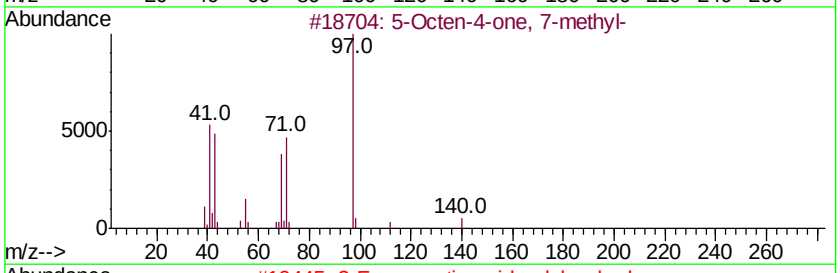
Peak Number 14 unknown12.25 Concentration Rank 2

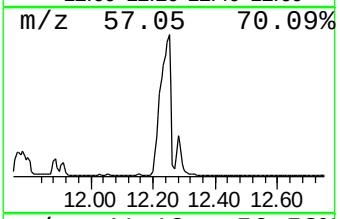
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	522.26 ng	15865700	Phenanthrene-d10	11.22

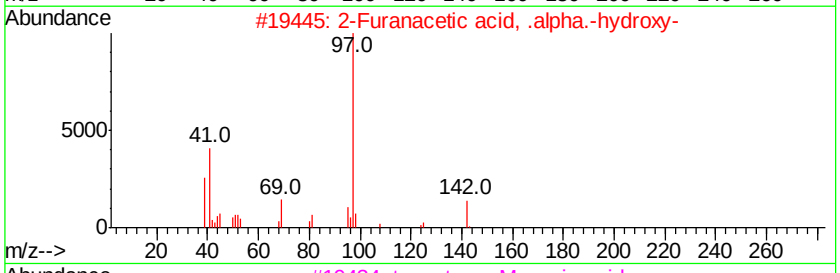
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Octen-4-one, 7-methyl-	140	C9H16O	032064-78-1	35
2	2-Furanacetic acid, .alpha.-hydr...	142	C6H6O4	019377-73-2	22
3	trans,trans-Muconic acid	142	C6H6O4	003588-17-8	22
4	Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	22
5	2-Thiopheneacetic acid	142	C6H6O2S	001918-77-0	22

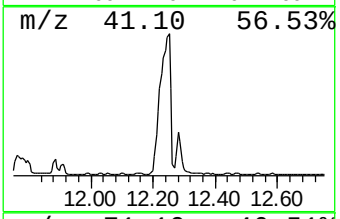


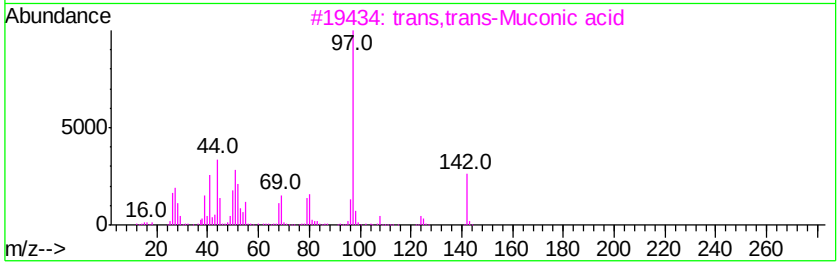


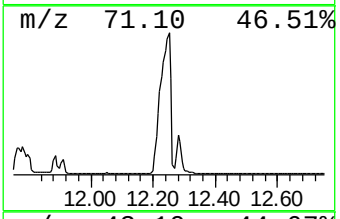


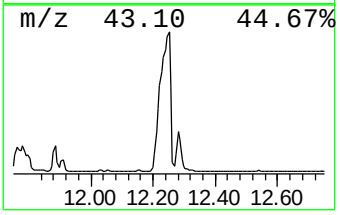












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Data File : BF109356.D
Acq On : 26 Sep 2018 23:52
Operator : JU/SJ
Sample : J5078-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 600-WILSON-AVE-NEWARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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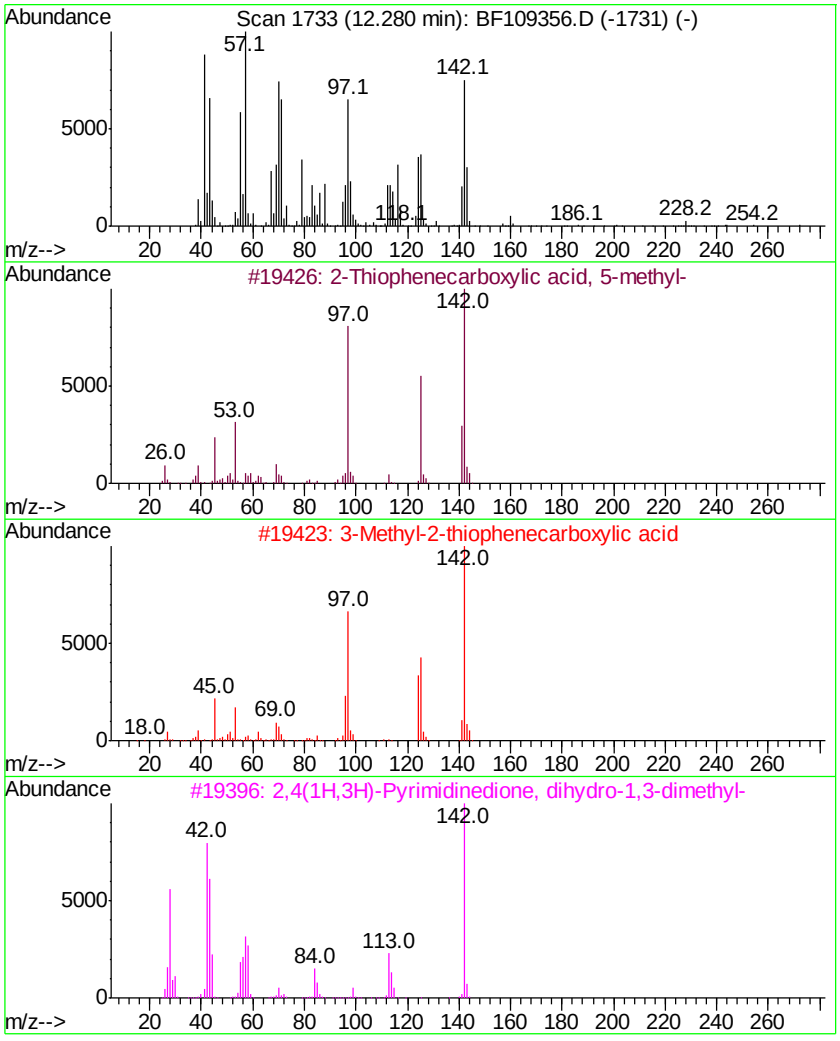
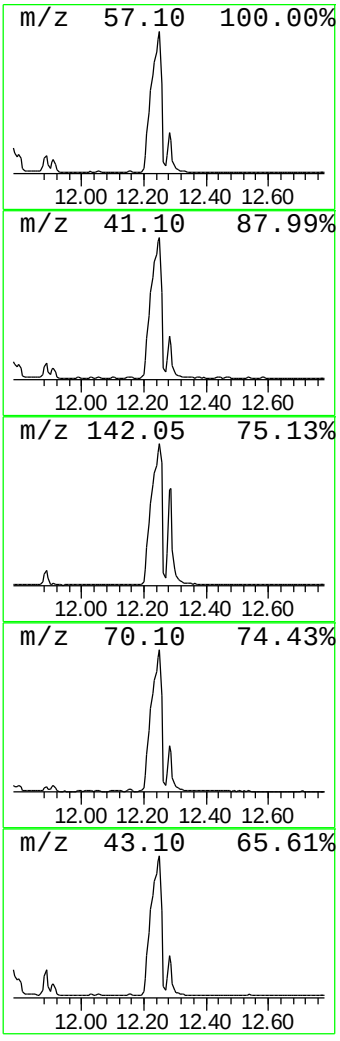
Peak Number 15 unknown12.28 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	64.47 ng	1958660	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Thiophenecarboxylic acid, 5-me...	142	C6H6O2S	001918-79-2	43
2	3-Methyl-2-thiophenecarboxylic acid	142	C6H6O2S	023806-24-8	43
3	2,4(1H,3H)-Pyrimidinedione, dihy...	142	C6H10N2O2	004874-13-9	22
4	Heptanoic Acid, 2,2,2-trifluoroe...	212	C9H15F3O2	1000376-58-6	14
5	2(1H)-Pyrimidinethione, 4,5-diam...	142	C4H6N4S	014623-58-6	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092618\
Data File : BF109356.D
Acq On : 26 Sep 2018 23:52
Operator : JU/SJ
Sample : J5078-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 600-WILSON-AVE-NEWARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.47	6.47	61.6	ng	1687440	1	6.71	547509	20.0
1-Hexanol, 2-ethyl-	6.78	14.9	ng	408851	1	6.71	547509	20.0
unknown9.34	9.34	14.0	ng	529371	3	9.74	758020	20.0
Tributyl phosphate	10.44	777.8	ng	29477500	3	9.74	758020	20.0
3,5-di-tert-Butyl...	10.97	12.9	ng	391201	4	11.22	607578	20.0
Fumaric acid, but...	11.06	14.7	ng	446744	4	11.22	607578	20.0
unknown11.35	11.35	40.7	ng	1237660	4	11.22	607578	20.0
unknown11.43	11.43	31.8	ng	966830	4	11.22	607578	20.0
Benzoic acid, 3,5...	11.52	9.9	ng	302144	4	11.22	607578	20.0
unknown11.76	11.76	34.0	ng	1032440	4	11.22	607578	20.0
unknown11.89	11.89	28.4	ng	862273	4	11.22	607578	20.0
unknown11.91	11.91	13.6	ng	414453	4	11.22	607578	20.0
unknown12.25	12.25	522.3	ng	15865700	4	11.22	607578	20.0
unknown12.28	12.28	64.5	ng	1958660	4	11.22	607578	20.0