

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092818\
 Data File : BF109439.D
 Acq On : 28 Sep 2018 19:25
 Operator : JU/SJ
 Sample : J5118-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-092518-USTEXC-NW-L-063

Quant Time: Sep 29 02:12:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	90361	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	301200	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	121590	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	237424	20.00	ng	0.00
75) Chrysene-d12	13.84	240	197625	20.00	ng	0.00
86) Perylene-d12	15.25	264	153893	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	403670	73.58	ng	0.00
7) Phenol-d6	6.35	99	483653	69.09	ng	0.00
23) Nitrobenzene-d5	7.27	82	279452	54.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	97653	81.47	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	444903	55.19	ng	-0.01
78) Terphenyl-d14	12.80	244	432733	53.74	ng	0.00

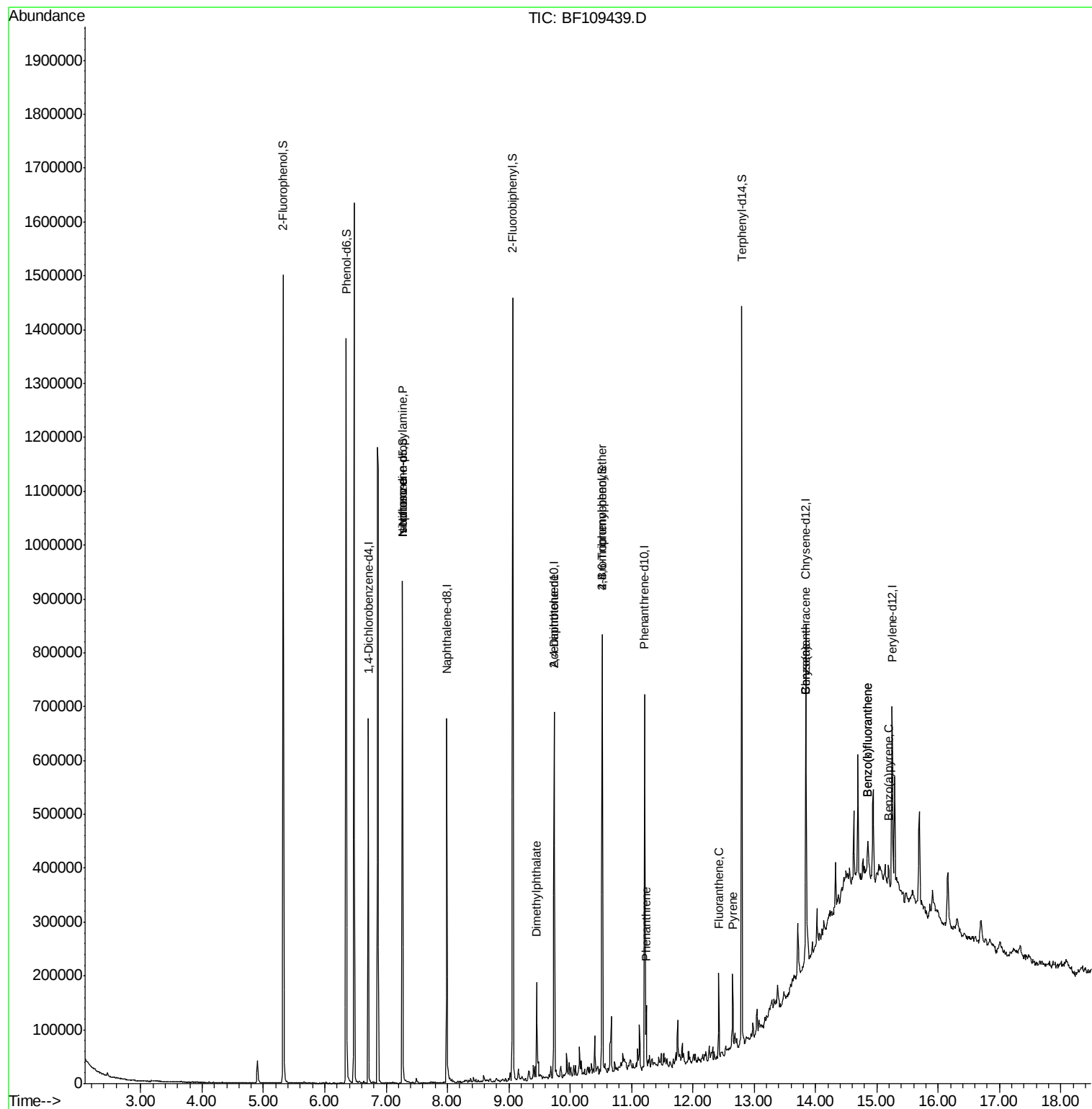
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	37358	8.144	ng	# 76
25) Isophorone	7.27	82	245182	26.685	ng	# 64
49) Dimethylphthalate	9.46	163	64594	7.304	ng	# 99
56) 2,4-Dinitrotoluene	9.74	165	15762	7.112	ng	# 24
66) 4-Bromophenyl-phenylether	10.53	248	5941	2.253	ng	# 1
70) Phenanthrene	11.24	178	36061	3.042	ng	98
74) Fluoranthene	12.42	202	61951	4.890	ng	98
77) Pyrene	12.65	202	54550	3.851	ng	97
80) Benzo(a)anthracene	13.83	228	24770	2.081	ng	95
82) Chrysene	13.83	228	24770	2.099	ng	97
87) Benzo(b)fluoranthene	14.85	252	30740	3.635	ng	# 77
88) Benzo(k)fluoranthene	14.85	252	30740	3.831	ng	# 80
89) Benzo(a)pyrene	15.19	252	15757	2.068	ng	# 80

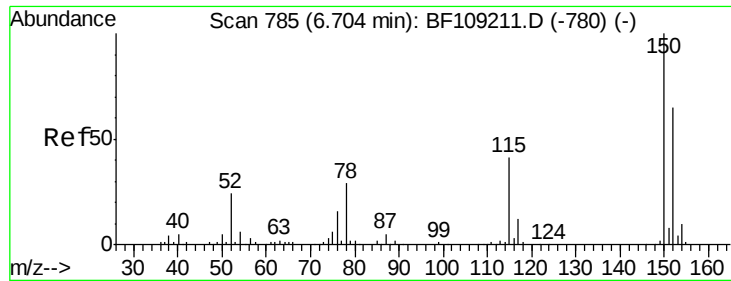
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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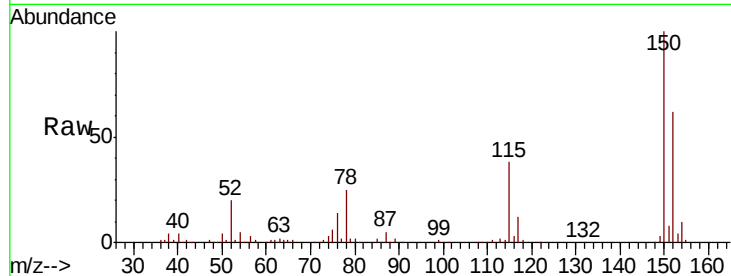


#1

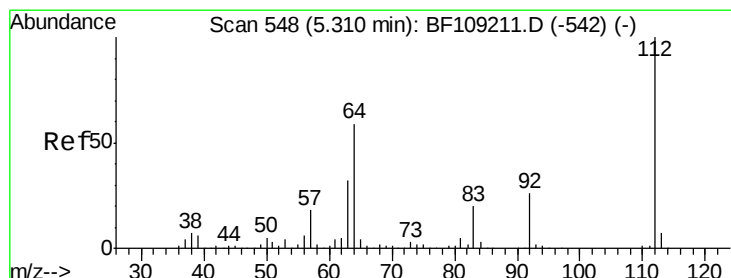
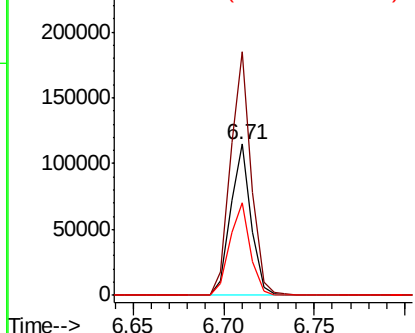
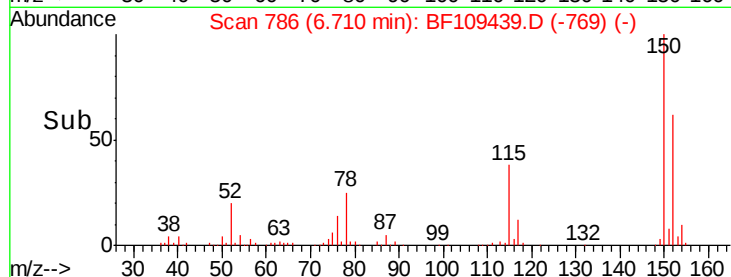
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109439.D
Acq: 28 Sep 2018 19:25

Instrument :
BNA_F
ClientSampleId :
RA-092518-USTEXC-NW-L-063

Tgt Ion:152 Resp: 90361
Ion Ratio Lower Upper
152 100
150 161.0 124.6 186.8
115 61.6 50.1 75.1



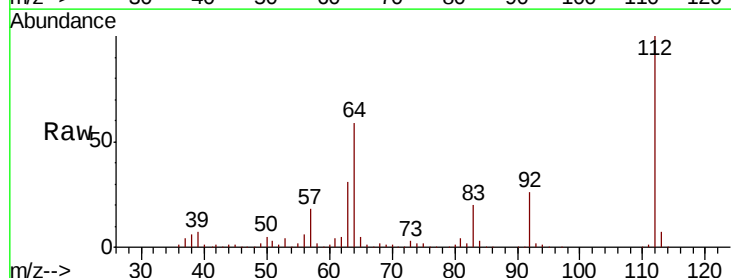
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



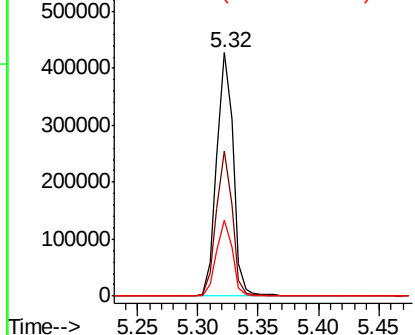
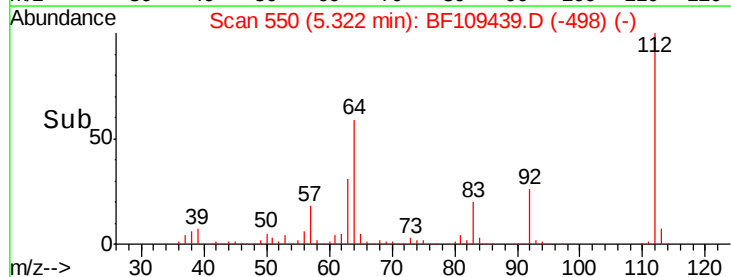
#5

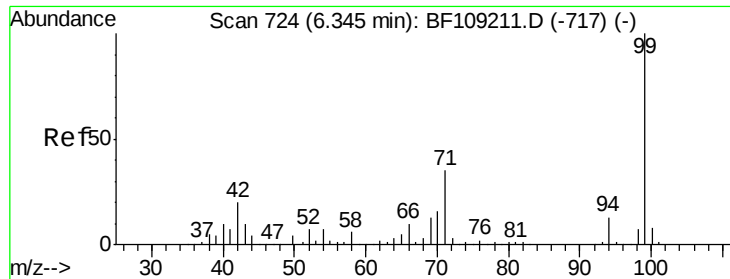
2-Fluorophenol
Concen: 73.580 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF109439.D
Acq: 28 Sep 2018 19:25

Tgt Ion:112 Resp: 403670
Ion Ratio Lower Upper
112 100
64 59.5 47.9 71.9
63 31.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 69.088 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109439.D

Acq: 28 Sep 2018 19:25

Instrument :

BNA_F

ClientSampleId :

RA-092518-USTEXC-NW-L-063

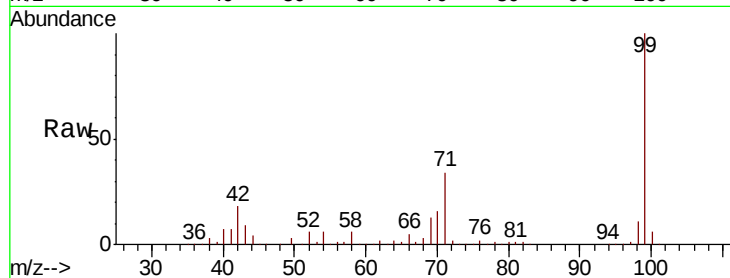
Tgt Ion: 99 Resp: 483653

Ion Ratio Lower Upper

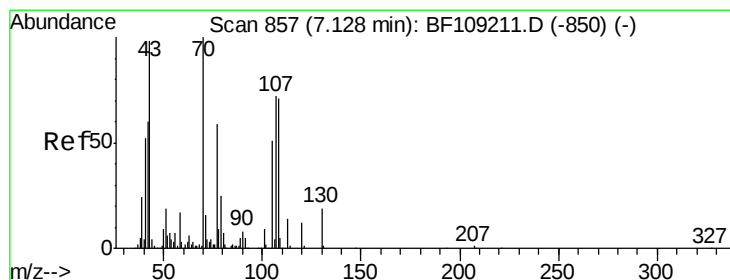
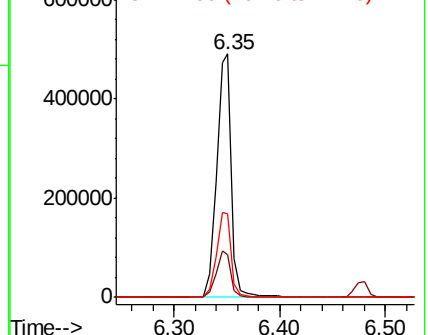
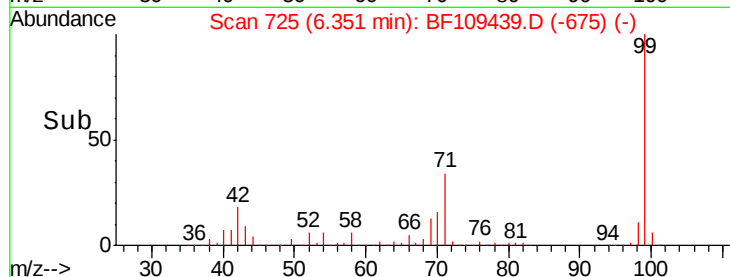
99 100

42 17.6 14.5 21.7

71 34.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 8.144 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109439.D

Acq: 28 Sep 2018 19:25

Tgt Ion: 70 Resp: 37358

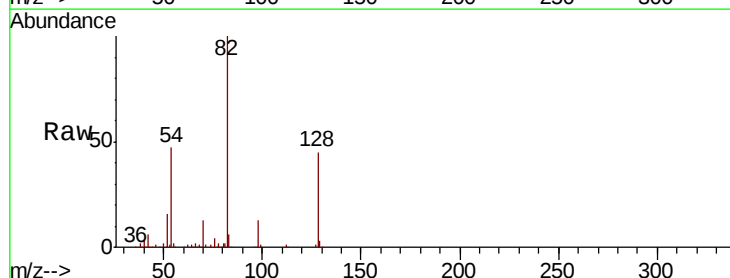
Ion Ratio Lower Upper

70 100

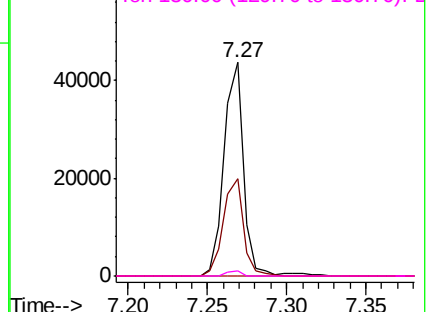
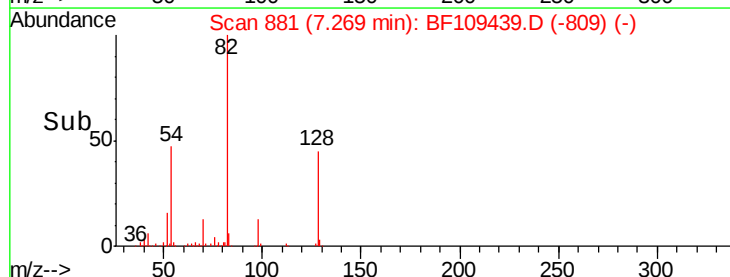
42 45.8 47.5 71.3#

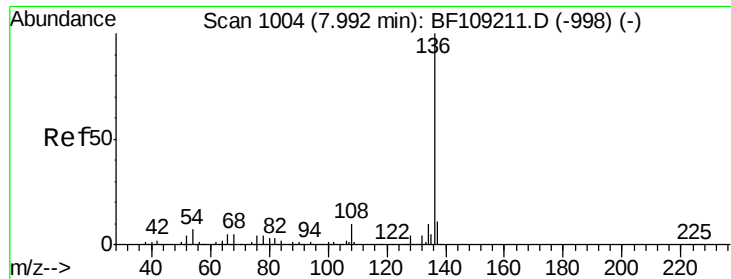
101 0.0 7.4 11.2#

130 2.4 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

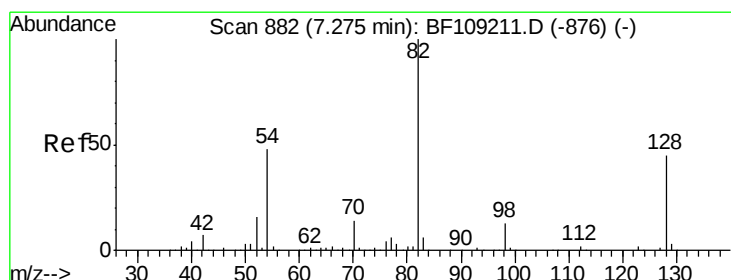
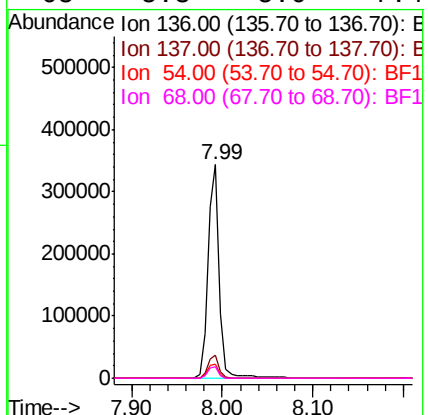
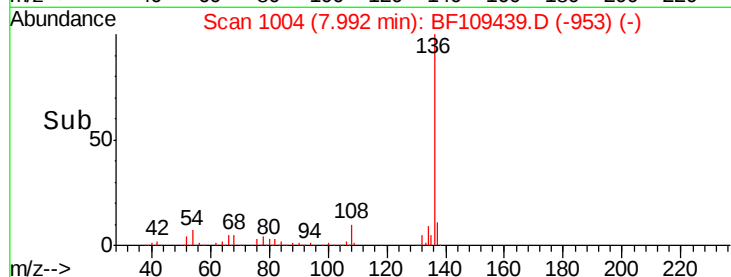
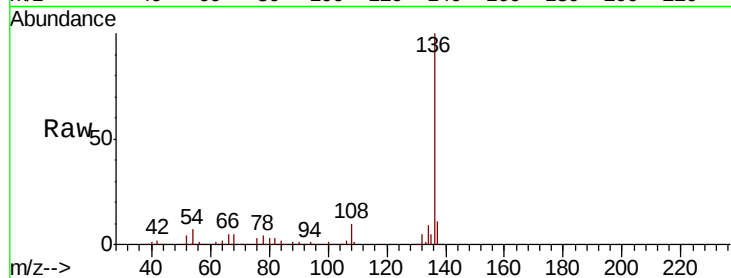




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF109439.D
Acq: 28 Sep 2018 19:25

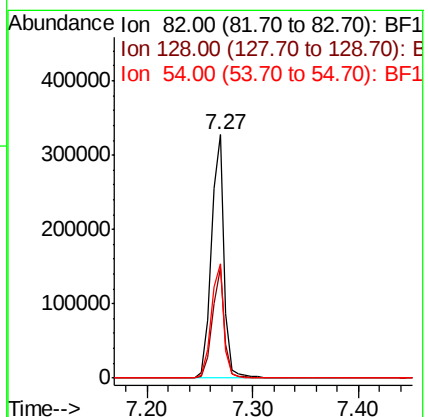
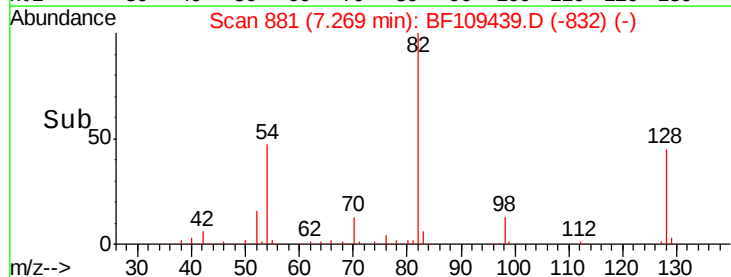
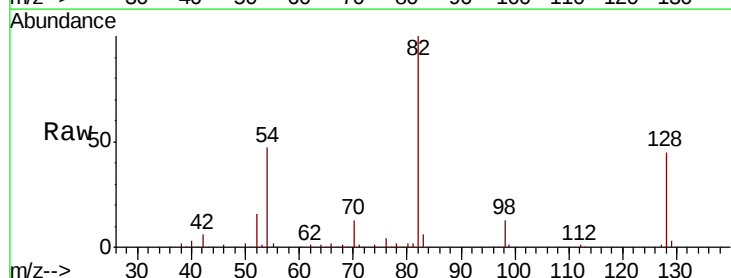
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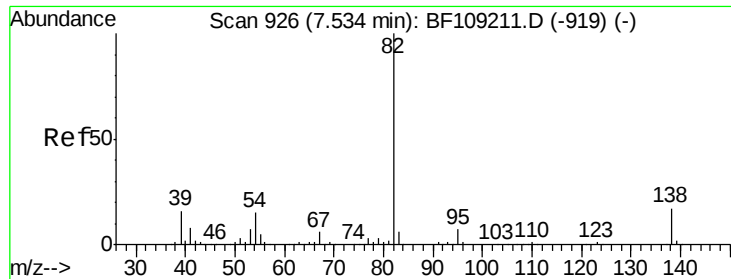
Tgt Ion:	136	Resp:	301200
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.6	6.6	9.8
68	5.3	5.0	7.4



#23
Nitrobenzene-d5
Concen: 54.769 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF109439.D
Acq: 28 Sep 2018 19:25

Tgt Ion:	82	Resp:	279452
Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.1	54.1
54	47.0	41.4	62.2

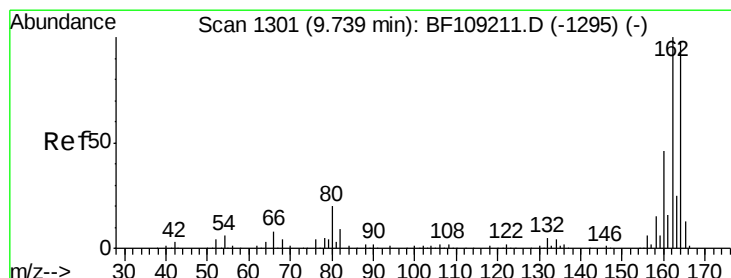
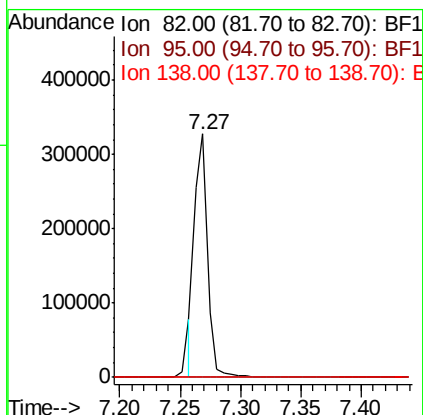
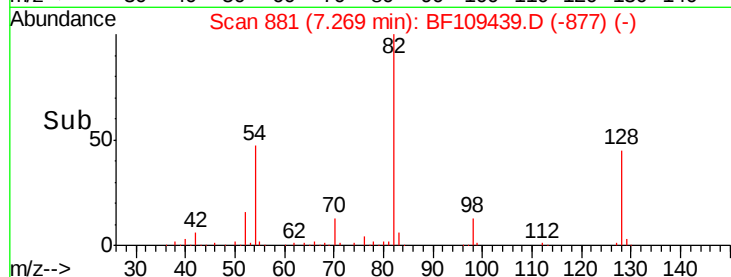
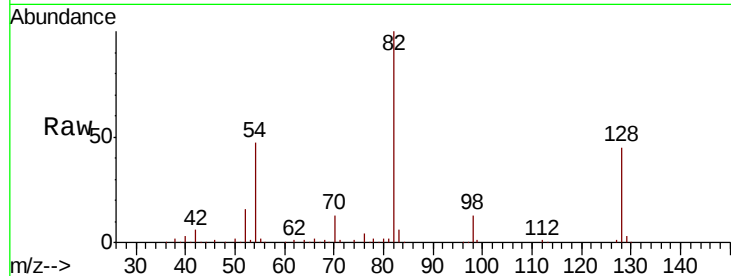




#25
Isophorone
Concen: 26.685 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109439.D
Acq: 28 Sep 2018 19:25

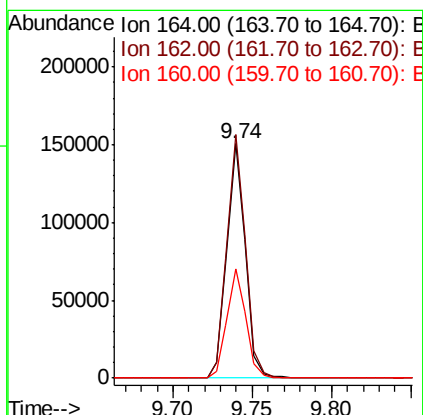
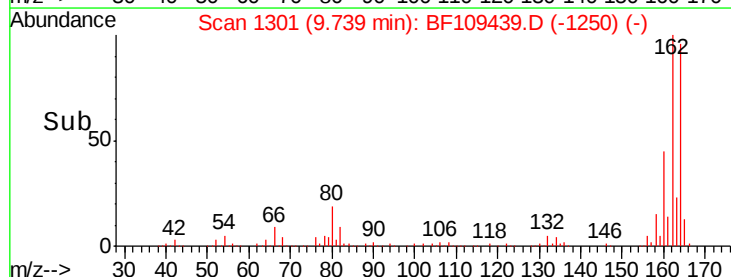
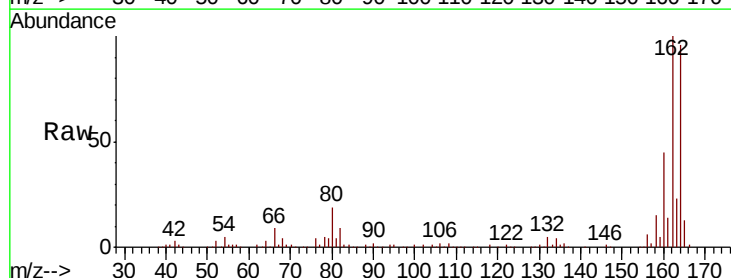
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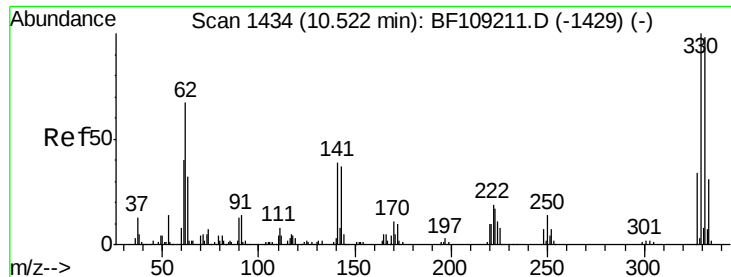
Tgt Ion: 82 Resp: 245182
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109439.D
Acq: 28 Sep 2018 19:25

Tgt Ion: 164 Resp: 121590
Ion Ratio Lower Upper
164 100
162 104.0 86.1 129.1
160 46.8 38.3 57.5

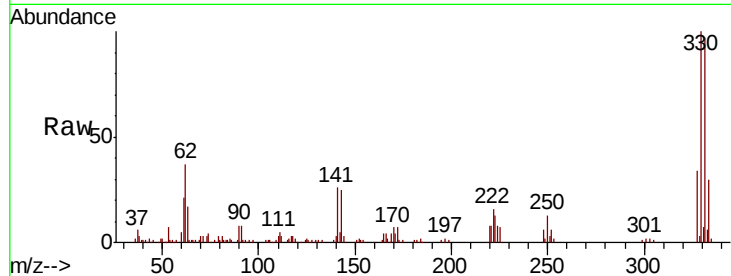




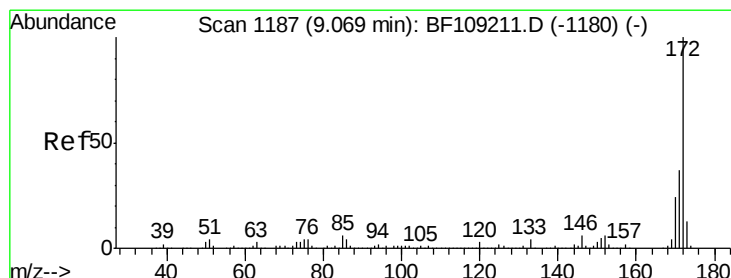
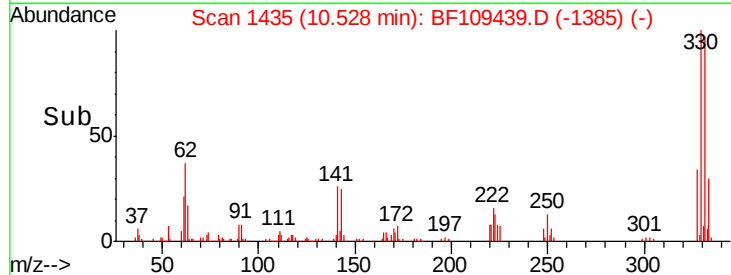
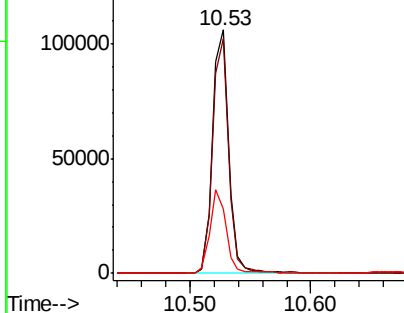
#41
 2,4,6-Tribromophenol
 Concen: 81.471 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF109439.D
 Acq: 28 Sep 2018 19:25

Instrument :
 BNA_F
 ClientSampleId :
 RA-092518-USTEXC-NW-L-063

Tgt Ion: 330 Resp: 97653
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 35.4 29.9 44.9

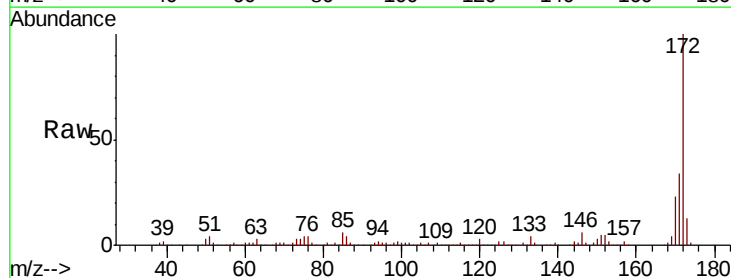


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

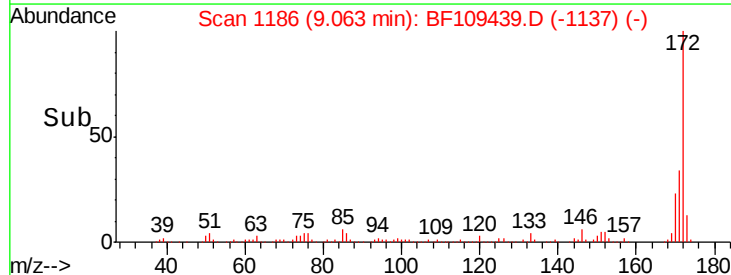
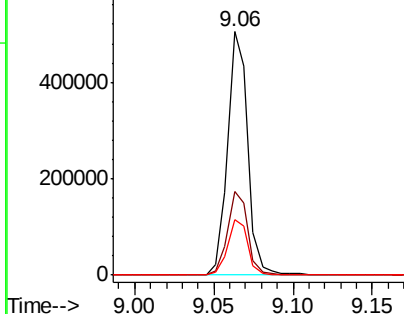


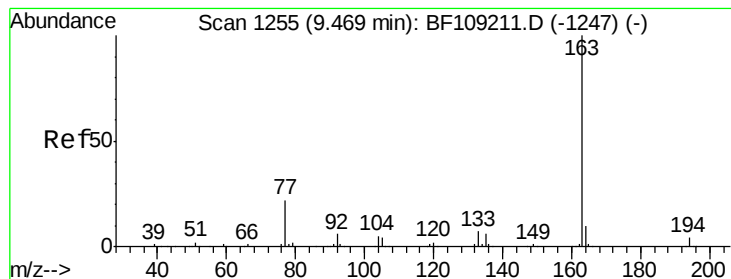
#44
 2-Fluorobiphenyl
 Concen: 55.185 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109439.D
 Acq: 28 Sep 2018 19:25

Tgt Ion: 172 Resp: 444903
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.7 44.5
 170 22.8 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 7.304 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109439.D

Acq: 28 Sep 2018 19:25

Instrument :

BNA_F

ClientSampleId :

RA-092518-USTEXC-NW-L-063

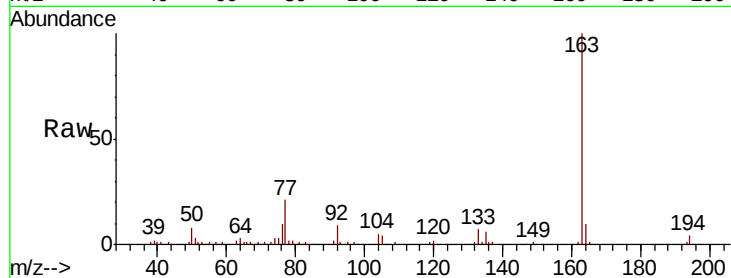
Tgt Ion:163 Resp: 64594

Ion Ratio Lower Upper

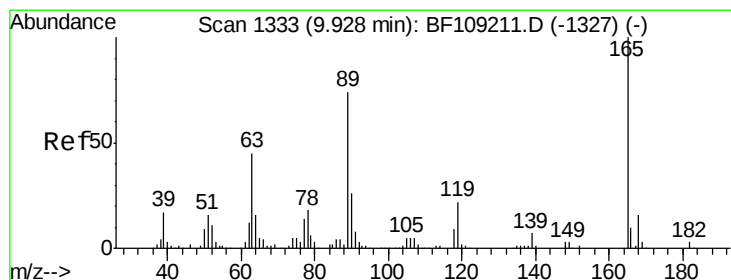
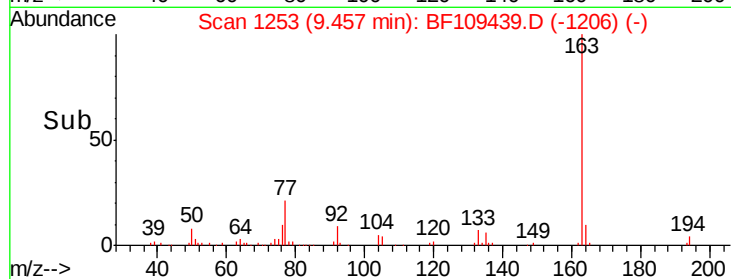
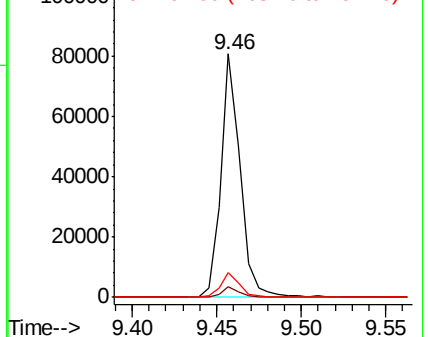
163 100

194 4.3 2.7 4.1#

164 10.1 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 7.112 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.20 min

Lab File: BF109439.D

Acq: 28 Sep 2018 19:25

Tgt Ion:165 Resp: 15762

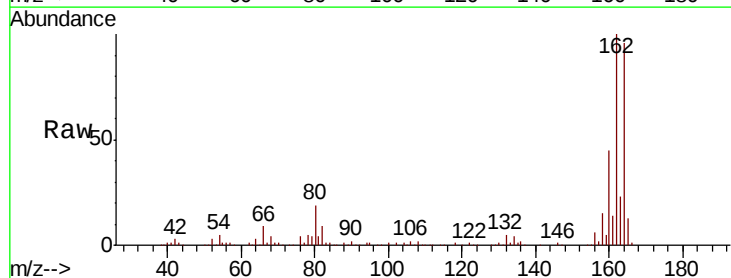
Ion Ratio Lower Upper

165 100

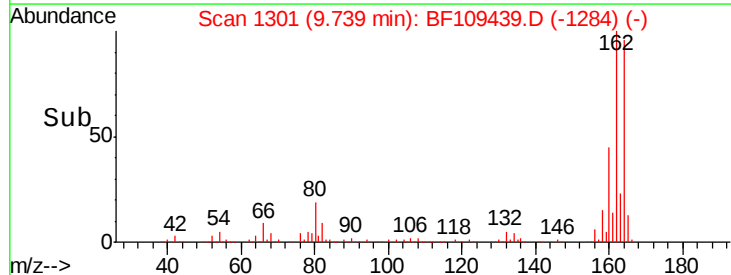
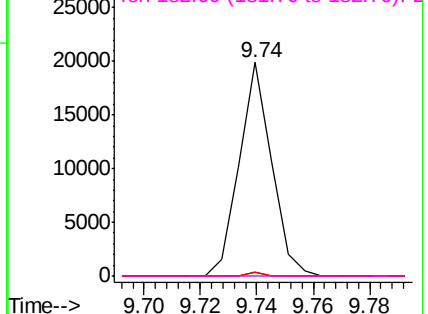
63 1.6 36.4 54.6#

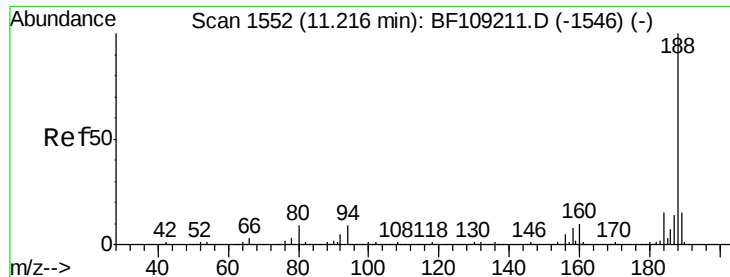
89 1.8 57.8 86.6#

182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

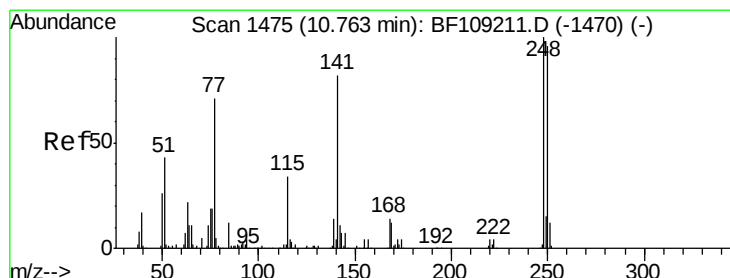
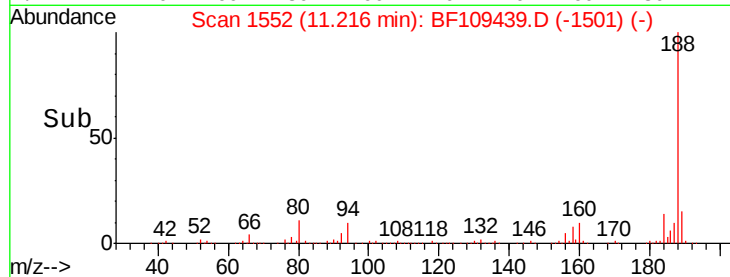
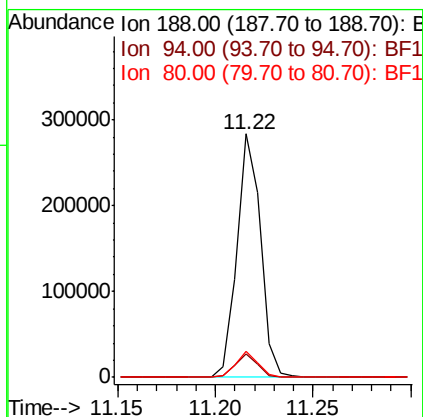
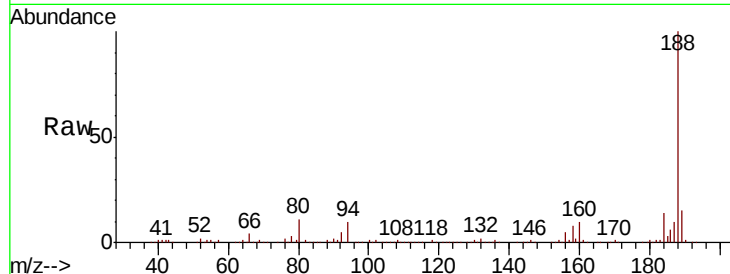




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109439.D
 Acq: 28 Sep 2018 19:25

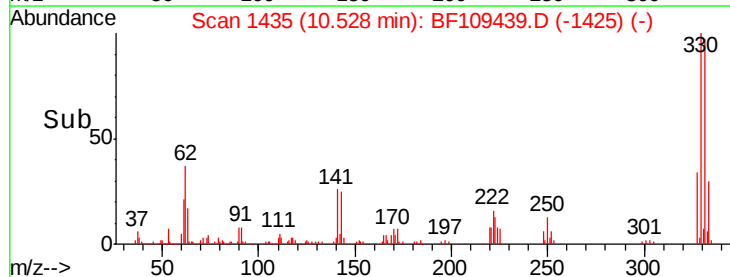
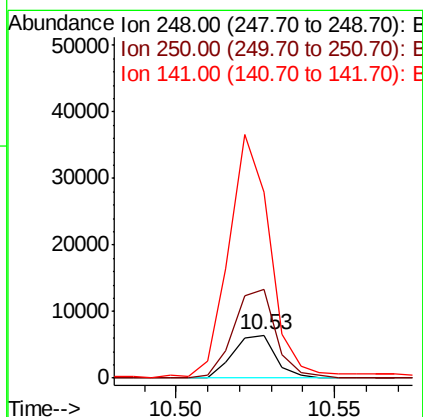
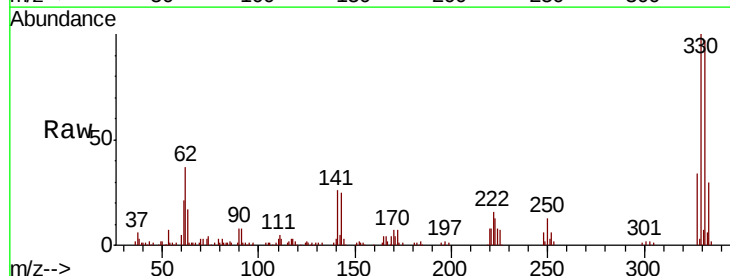
Instrument :
 BNA_F
 ClientSampleId :
 RA-092518-USTEXC-NW-L-063

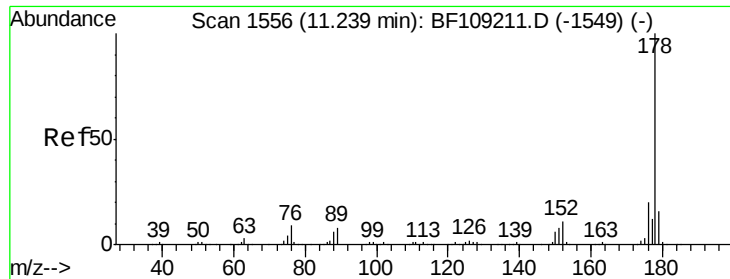
Tgt Ion:188 Resp: 237424
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 10.6 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 2.253 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.24 min
 Lab File: BF109439.D
 Acq: 28 Sep 2018 19:25

Tgt Ion:248 Resp: 5941
 Ion Ratio Lower Upper
 248 100
 250 205.8 76.9 115.3#
 141 433.6 74.4 111.6#

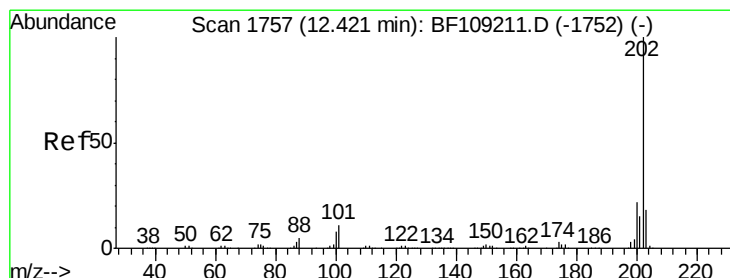
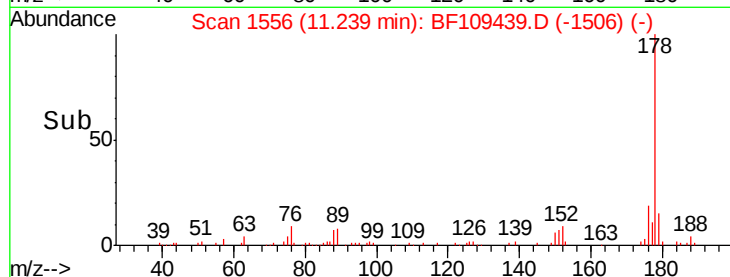
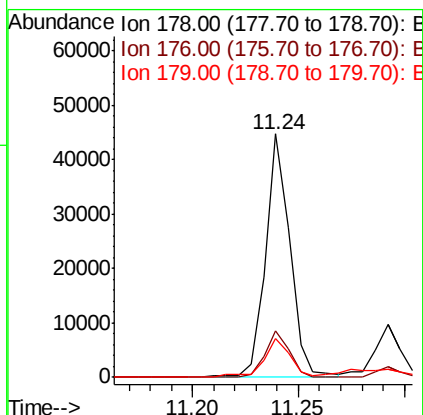
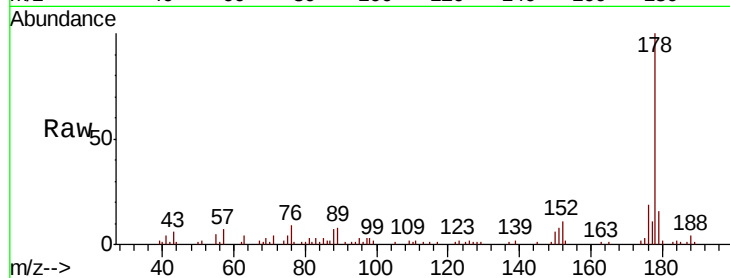




#70
Phenanthrene
Concen: 3.042 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109439.D
Acq: 28 Sep 2018 19:25

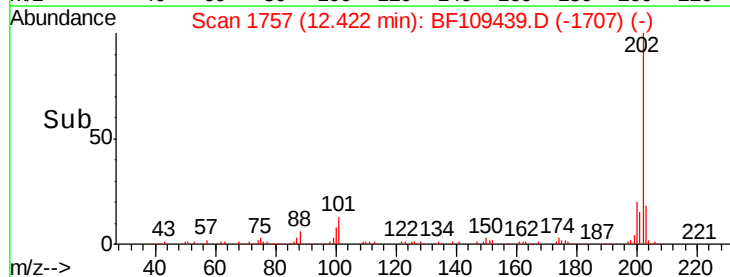
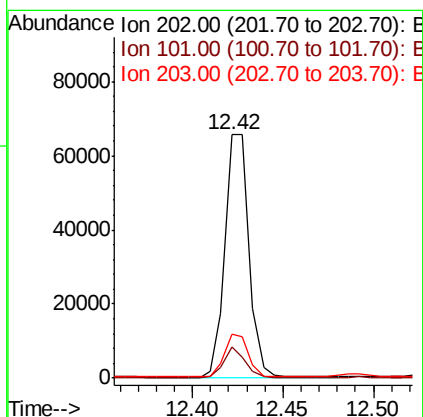
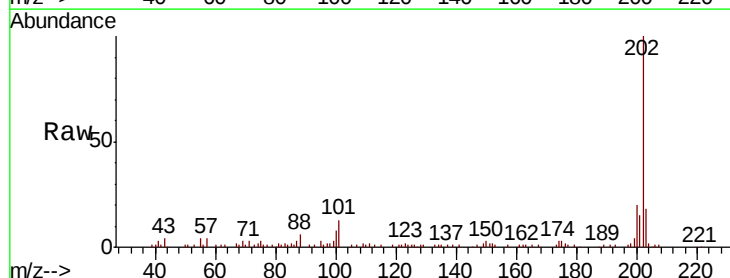
Instrument :
BNA_F
ClientSampleId :
RA-092518-USTEXC-NW-L-063

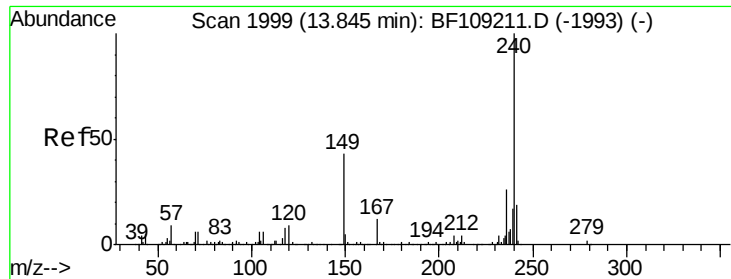
Tgt Ion:178 Resp: 36061
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.8 13.0 19.6



#74
Fluoranthene
Concen: 4.890 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF109439.D
Acq: 28 Sep 2018 19:25

Tgt Ion:202 Resp: 61951
Ion Ratio Lower Upper
202 100
101 12.6 0.0 34.1
203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109439.D

Acq: 28 Sep 2018 19:25

Instrument :

BNA_F

ClientSampleId :

RA-092518-USTEXC-NW-L-063

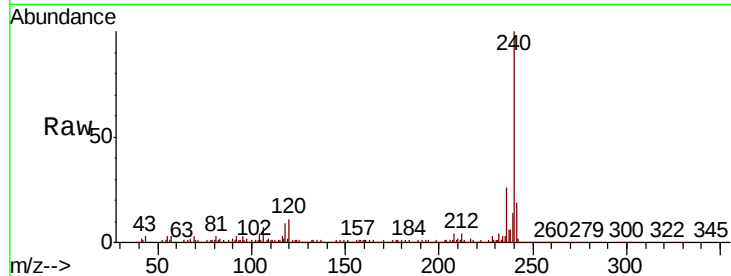
Tgt Ion:240 Resp: 197625

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

236 26.5 20.7 31.1

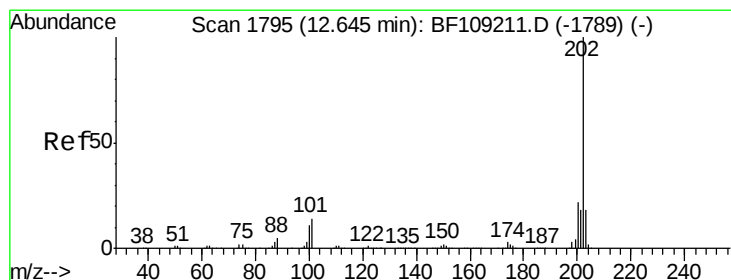
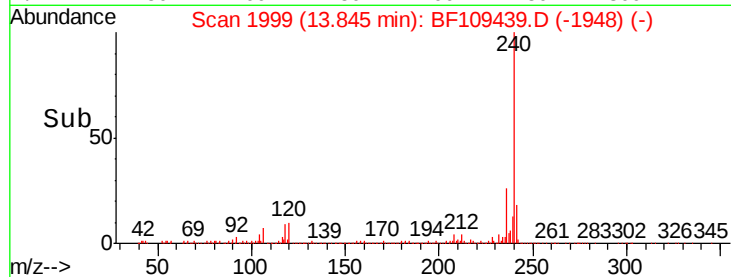
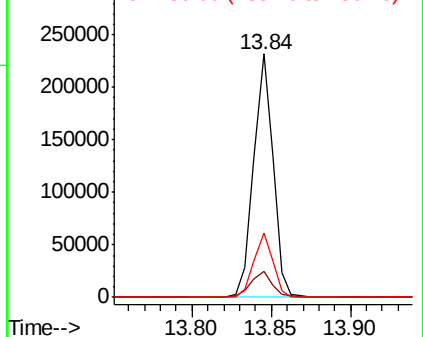


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.851 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF109439.D

Acq: 28 Sep 2018 19:25

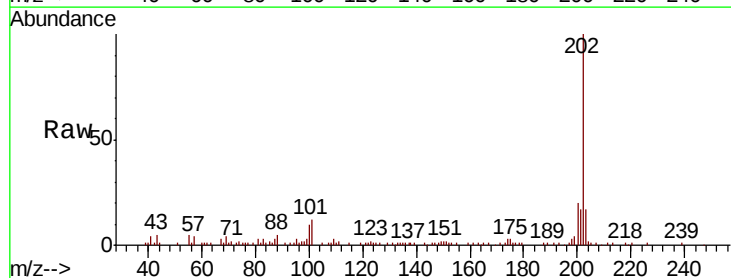
Tgt Ion:202 Resp: 54550

Ion Ratio Lower Upper

202 100

200 19.7 17.4 26.2

203 17.3 14.3 21.5

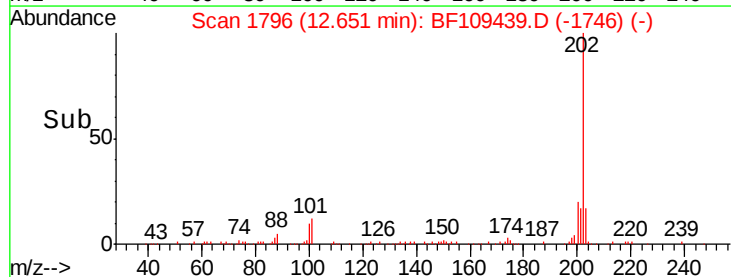
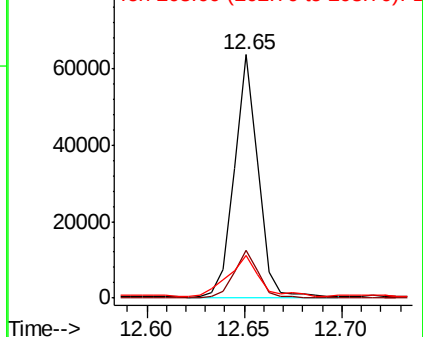


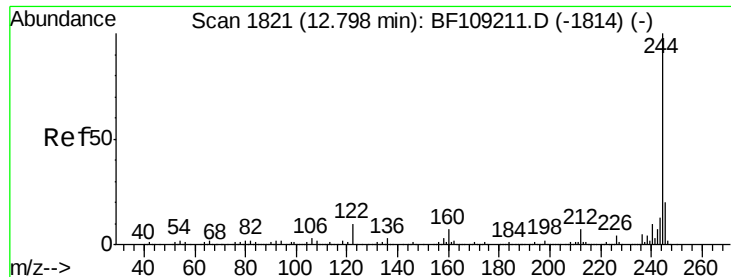
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

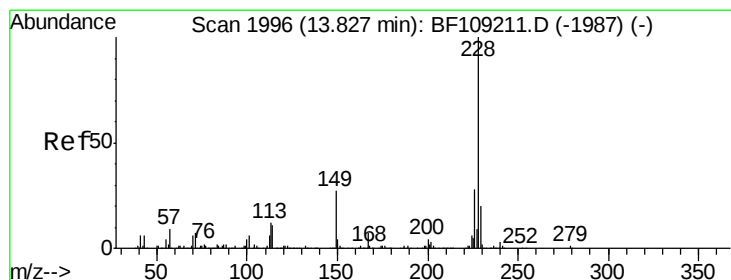
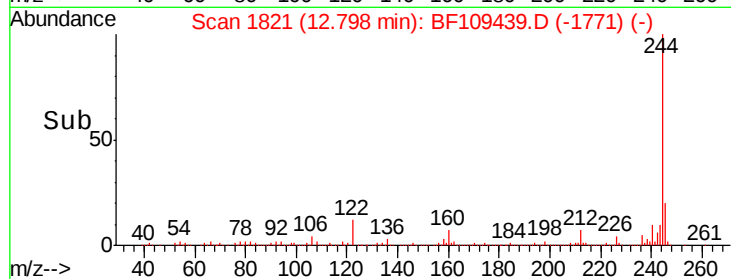
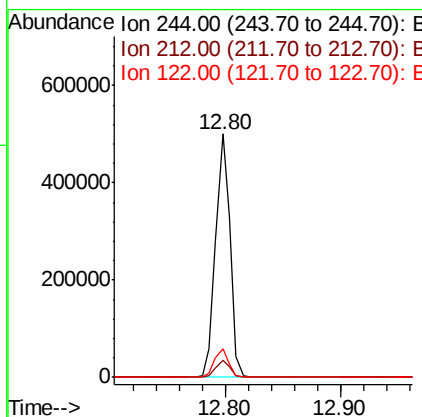
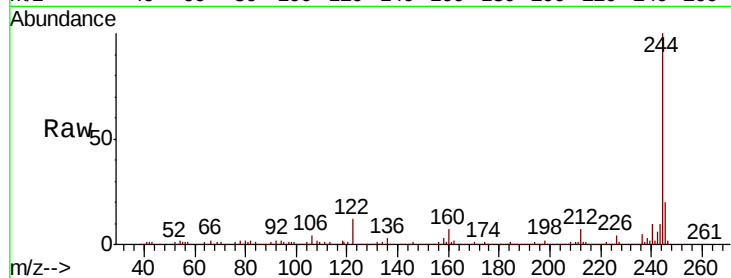




#78
 Terphenyl-d14
 Concen: 53.738 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109439.D
 Acq: 28 Sep 2018 19:25

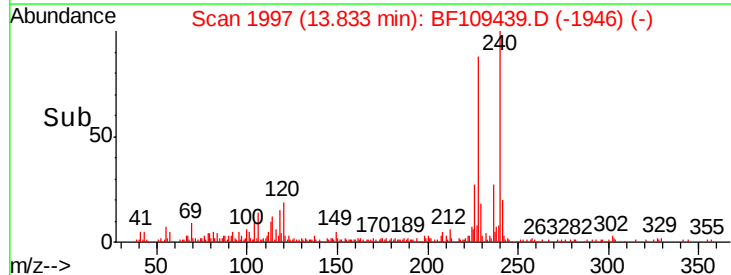
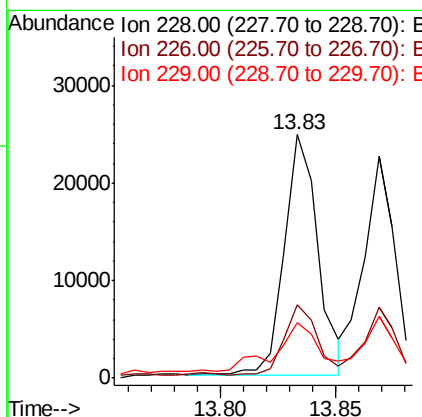
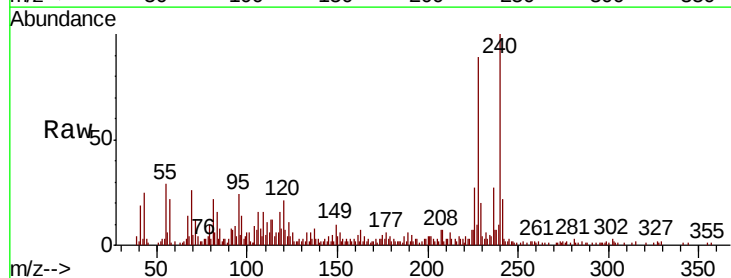
Instrument :
 BNA_F
 ClientSampleId :
 RA-092518-USTEXC-NW-L-063

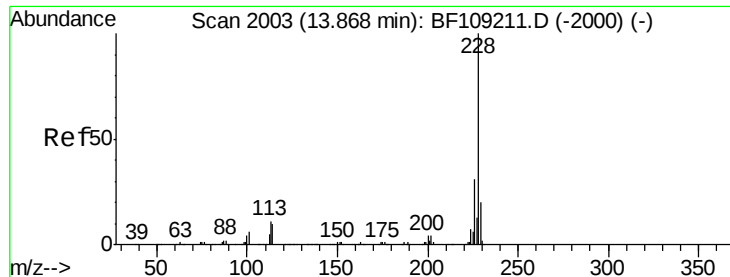
Tgt Ion:244 Resp: 432733
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.5 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.081 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BF109439.D
 Acq: 28 Sep 2018 19:25

Tgt Ion:228 Resp: 24770
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.6 33.8
 229 22.5 15.8 23.6





#82

Chrysene

Concen: 2.099 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.04 min

Lab File: BF109439.D

Acq: 28 Sep 2018 19:25

Instrument :

BNA_F

ClientSampleId :

RA-092518-USTEXC-NW-L-063

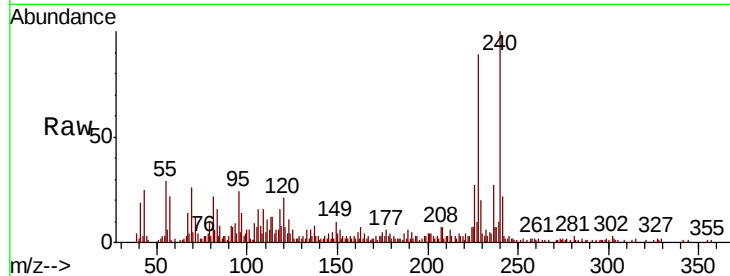
Tgt Ion: 228 Resp: 24770

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

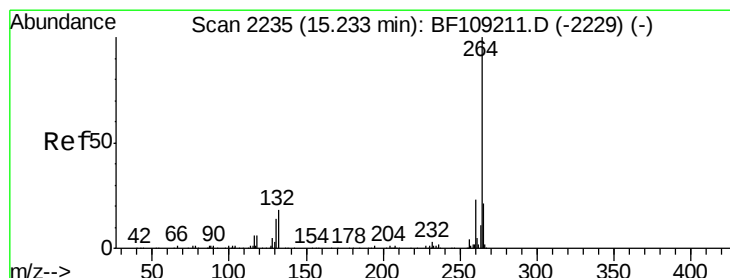
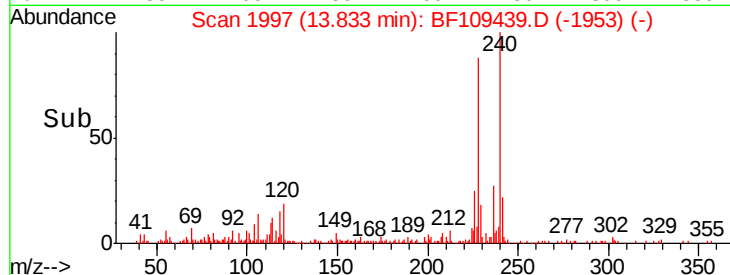
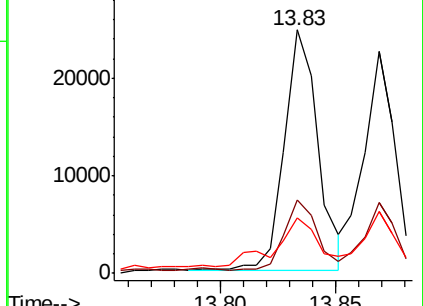
229 22.5 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF109439.D

Acq: 28 Sep 2018 19:25

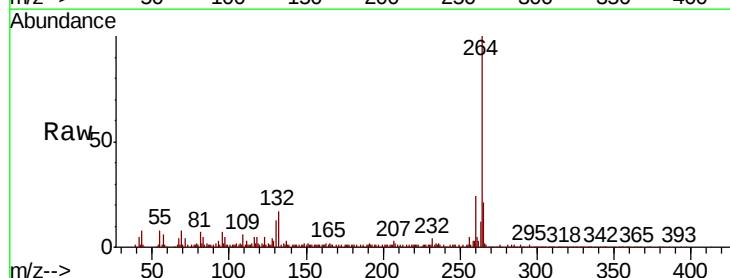
Tgt Ion: 264 Resp: 153893

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

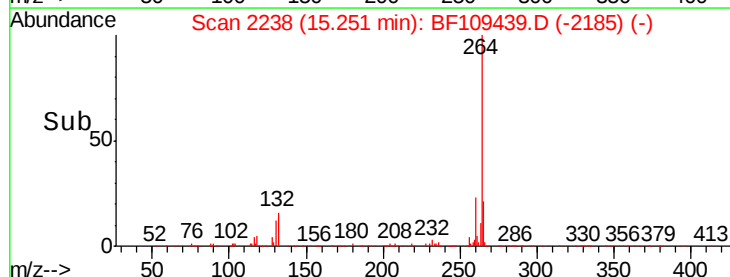
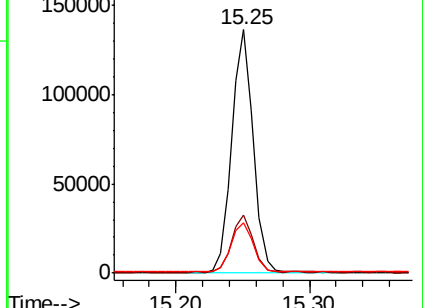
265 20.9 17.5 26.3

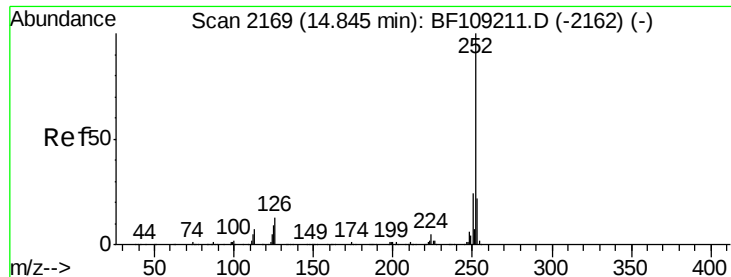


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.635 ng

RT: 14.85 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BF109439.D

Acq: 28 Sep 2018 19:25

Instrument :

BNA_F

ClientSampleId :

RA-092518-USTEXC-NW-L-063

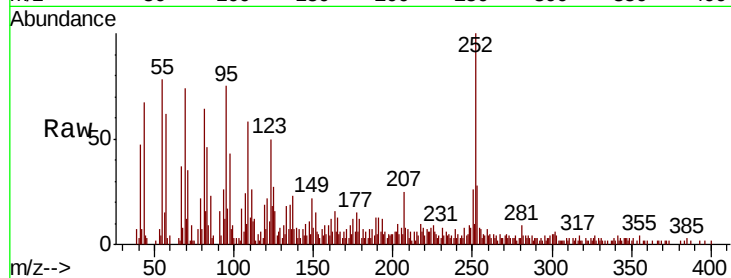
Tgt Ion:252 Resp: 30740

Ion Ratio Lower Upper

252 100

253 27.8 17.0 25.6#

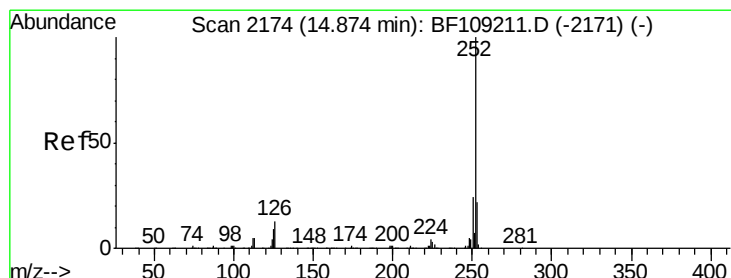
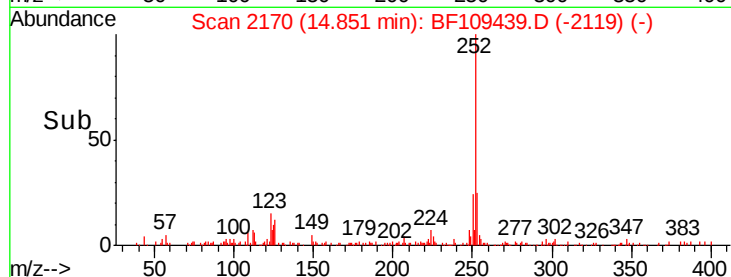
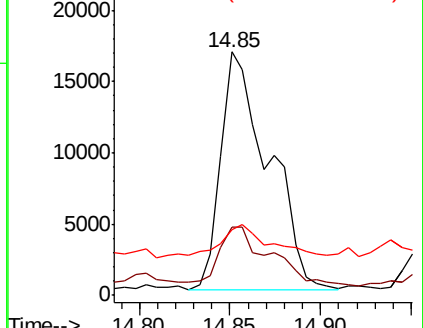
125 26.8 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.831 ng

RT: 14.85 min Scan# 2170

Delta R.T. -0.03 min

Lab File: BF109439.D

Acq: 28 Sep 2018 19:25

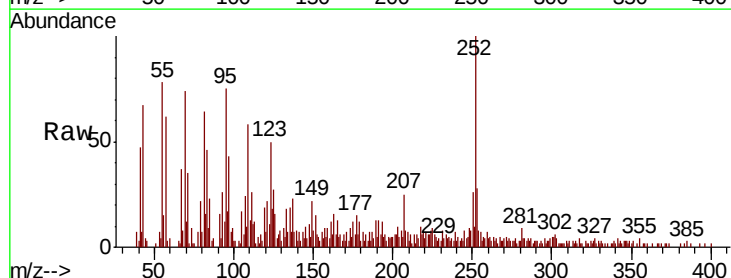
Tgt Ion:252 Resp: 30740

Ion Ratio Lower Upper

252 100

253 27.8 17.9 26.9#

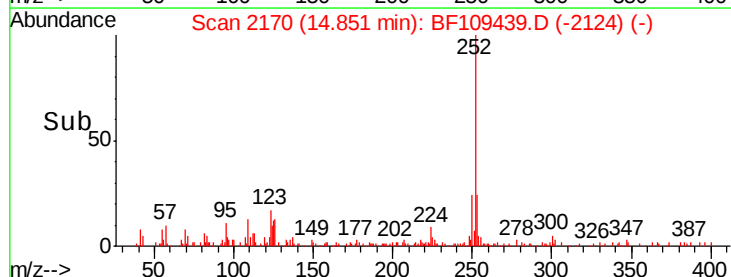
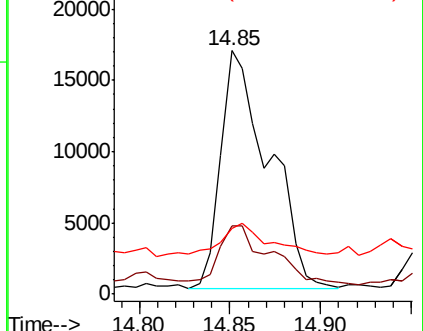
125 26.8 10.2 15.2#

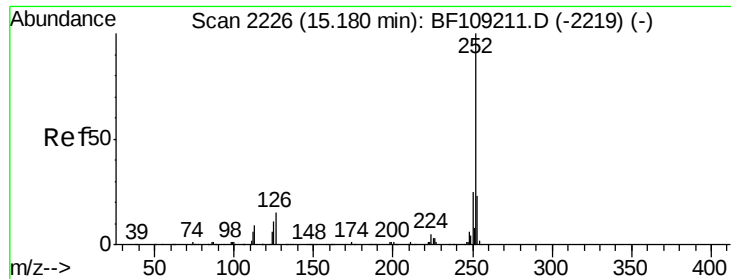


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.068 ng

RT: 15.19 min Scan# 2228

Delta R.T. 0.01 min

Lab File: BF109439.D

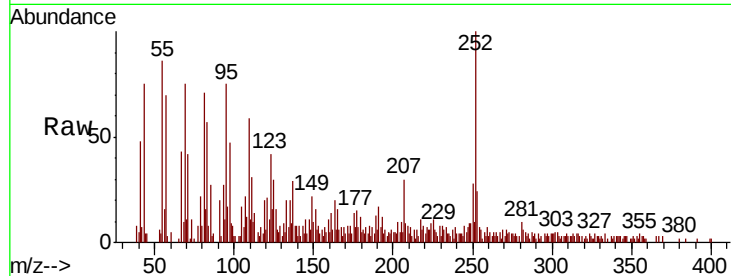
Acq: 28 Sep 2018 19:25

Instrument :

BNA_F

ClientSampleId :

RA-092518-USTEXC-NW-L-063



Tgt Ion:	252	Resp:	15757
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	29.9	9.8	14.6

