

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
 Data File : BF109271.D
 Acq On : 24 Sep 2018 16:52
 Operator : JU/SJ
 Sample : J5017-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-091918-NORTHEX-WW-062

Manual Integrations
 APPROVED

Sohil
 9/25/2018 9:57:20 AM

Quant Time: Sep 25 05:09:07 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	92769	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	338779	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	144566	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	238437	20.00	ng	0.00
75) Chrysene-d12	13.86	240	200289	20.00	ng	0.02
86) Perylene-d12	15.27	264	162783	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	507987	90.19	ng	0.00
7) Phenol-d6	6.35	99	629504	87.59	ng	-0.01
23) Nitrobenzene-d5	7.27	82	390550	68.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	131294	92.13	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	615041	64.16	ng	-0.01
78) Terphenyl-d14	12.81	244	438999	53.79	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.46	163	189940	18.064	ng	# 99
70) Phenanthrene	11.24	178	65403	5.494	ng	# 92
74) Fluoranthene	12.44	202	171553	13.484	ng	# 92
77) Pyrene	12.66	202	159712	11.126	ng	# 92
80) Benzo(a)anthracene	13.85	228	71463	5.924	ng	# 75
82) Chrysene	13.89	228	85946	7.188	ng	# 82
85) Indeno(1,2,3-cd)pyrene	16.62	276	32333	3.336	ng	# 94
87) Benzo(b)fluoranthene	14.87	252	88977m	9.947	ng	
88) Benzo(k)fluoranthene	14.90	252	20743m	2.444	ng	
89) Benzo(a)pyrene	15.22	252	55576	6.895	ng	# 61
91) Benzo(g,h,i)perylene	17.02	276	34971	5.381	ng	# 93

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

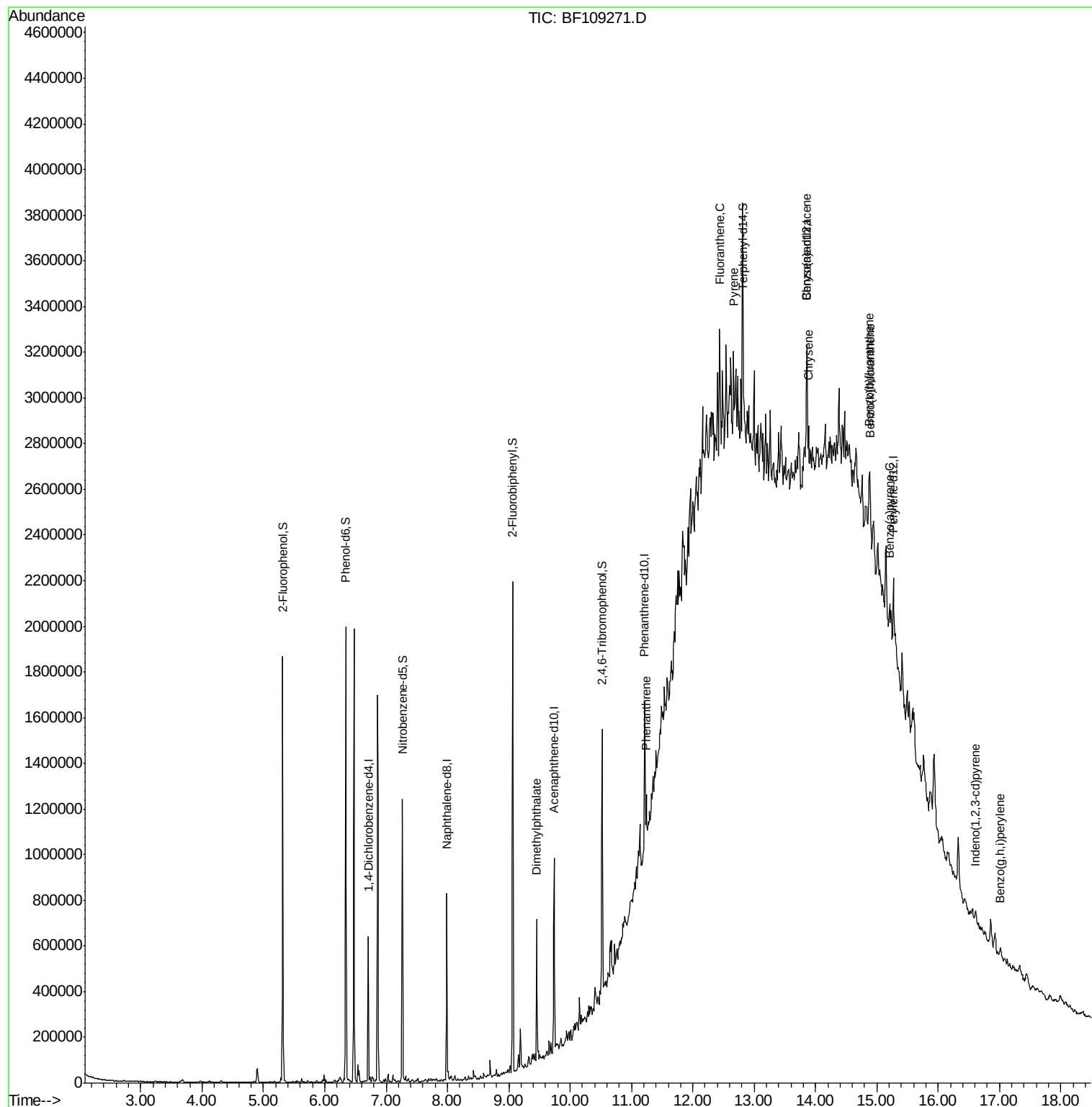
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109271.D
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Sample : J5017-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

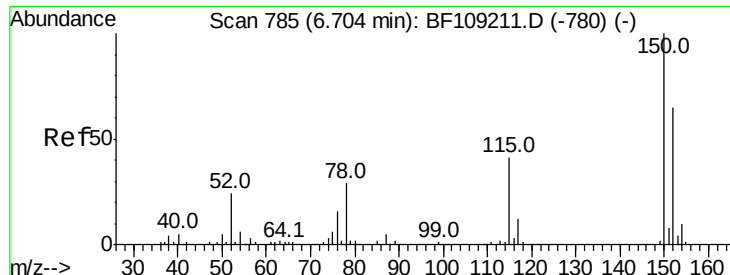
Instrument :
BNA_F
ClientSampleId :
RA-091918-NORTHEX-WW-062

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

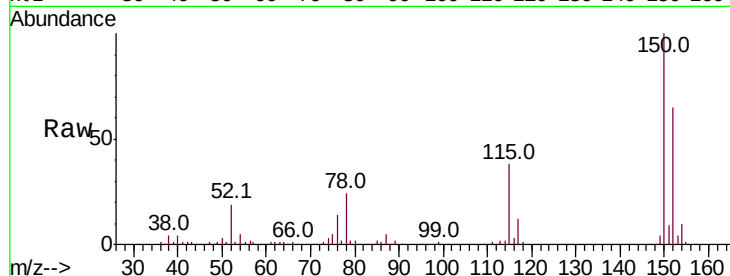
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
RA-091918-NORTHEX-WW-062

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.6	186.8
115	58.0	50.1	75.1

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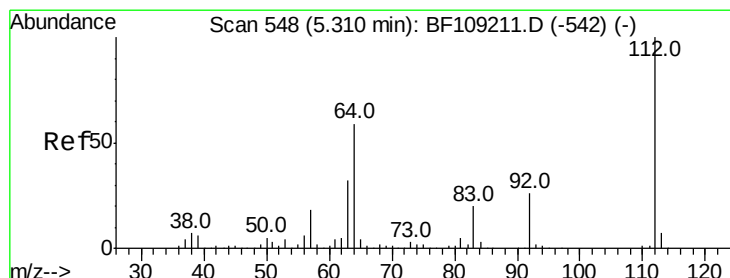
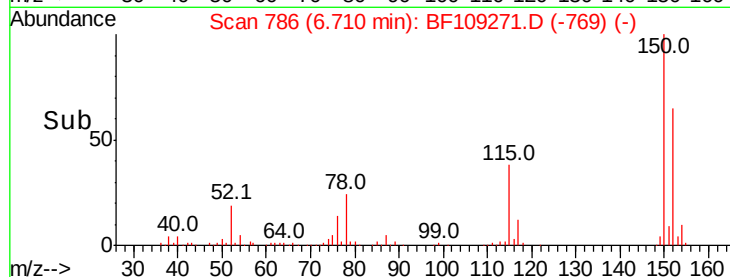
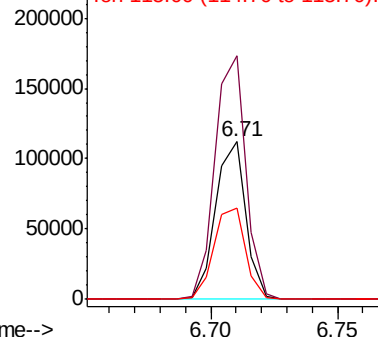


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

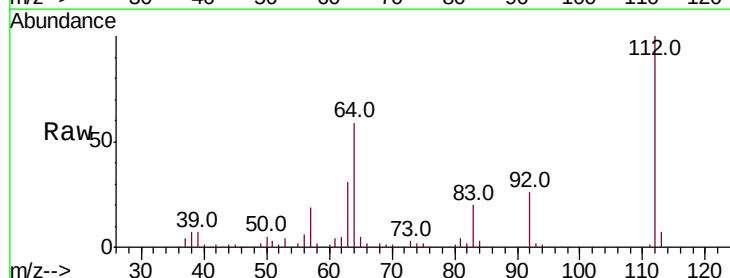
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.191 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.9	71.9
63	31.4	23.7	35.5

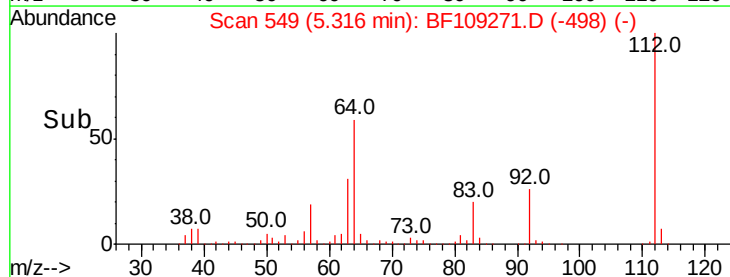
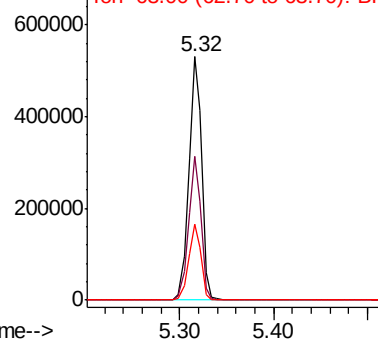


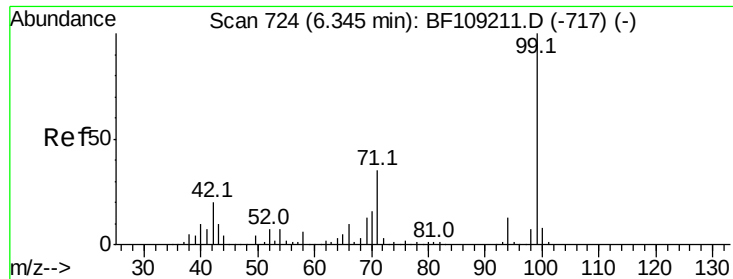
Abundance

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: 87.588 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109271.D

Acq: 24 Sep 2018 16:52

Instrument :

BNA_F

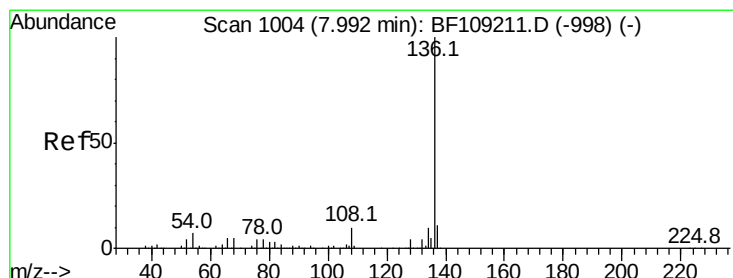
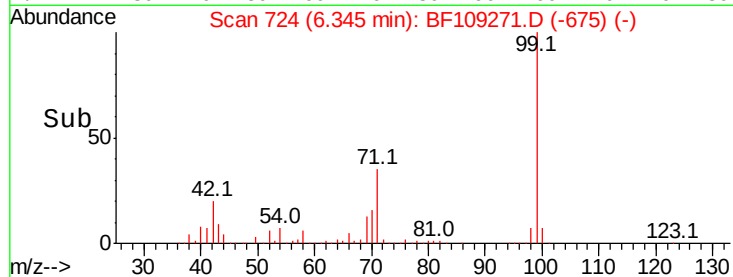
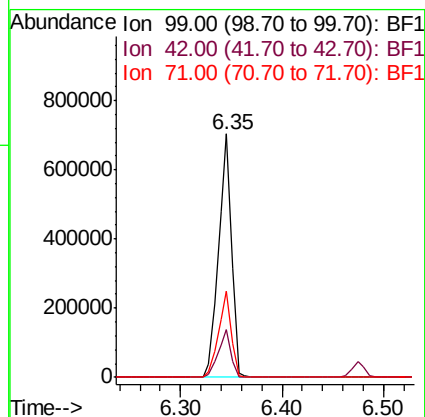
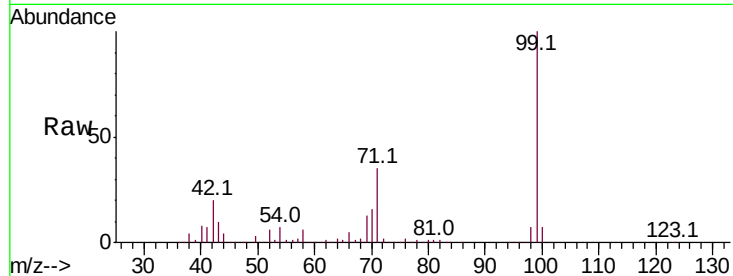
ClientSampleId :

RA-091918-NORTHEX-WW-062

Tot Ion:	99	Resp:	629504
Ion Ratio	Lower	Upper	
99	100		
42	19.7	14.5	21.7
71	35.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

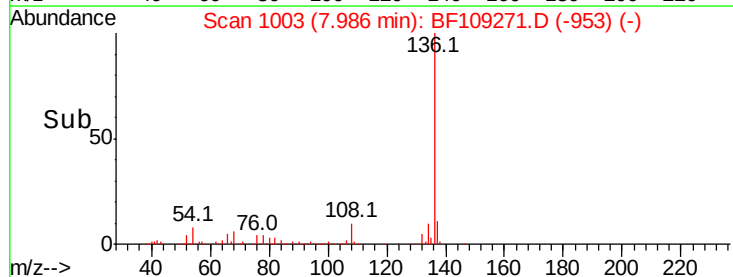
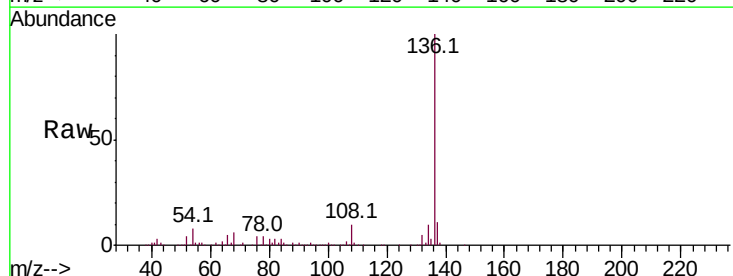
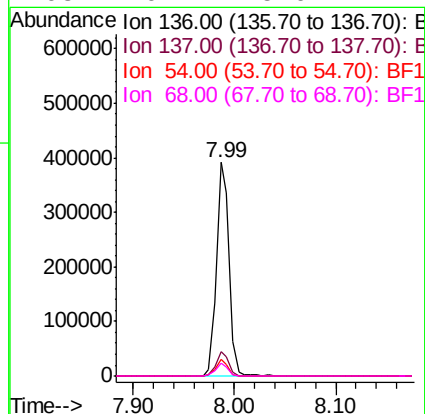
RT: 7.99 min Scan# 1003

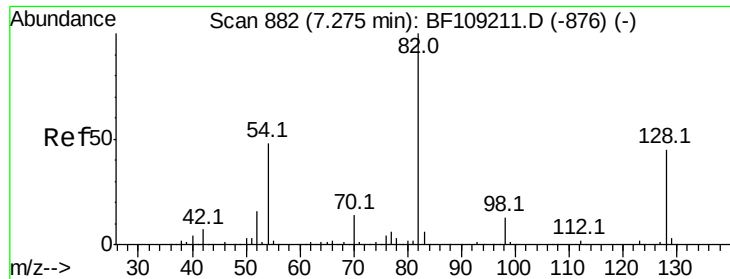
Delta R.T. -0.01 min

Lab File: BF109271.D

Acq: 24 Sep 2018 16:52

Tgt Ion:	136	Resp:	338779
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	7.6	6.6	9.8
68	6.1	5.0	7.4





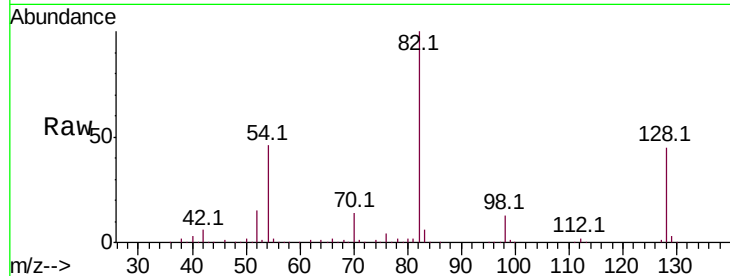
#23
 Nitrobenzene-d5
 Concen: 68.053 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF109271.D
 Acq: 24 Sep 2018 16:52

Instrument :
 BNA_F
 ClientSampleId :
 RA-091918-NORTHEX-WW-062

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.3	36.1	54.1	
54	46.2	41.4	62.2	

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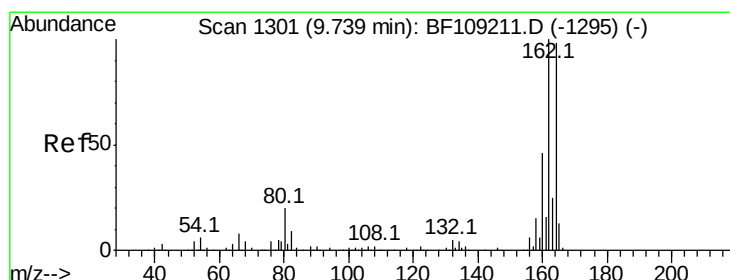
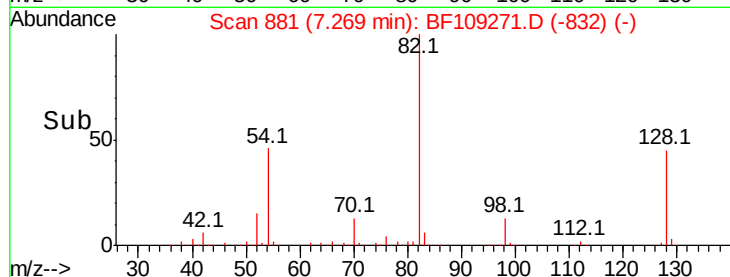
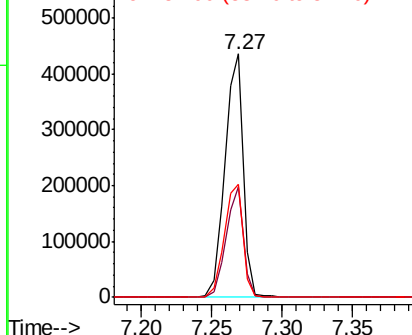


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BF109271.D
 Acq: 24 Sep 2018 16:52

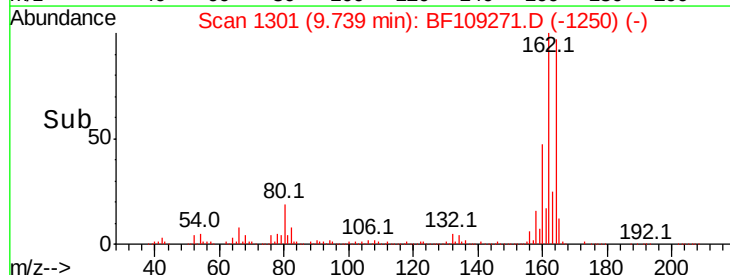
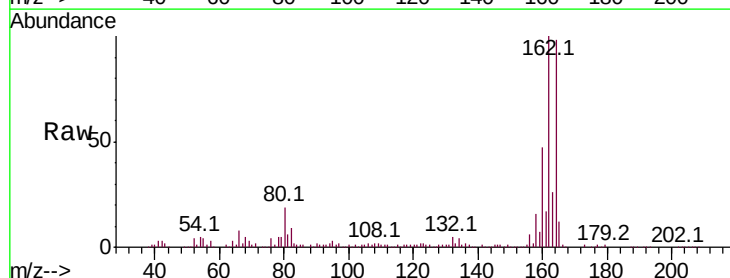
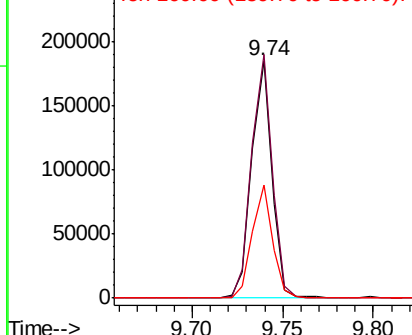
Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.6	86.1	129.1	
160	47.8	38.3	57.5	

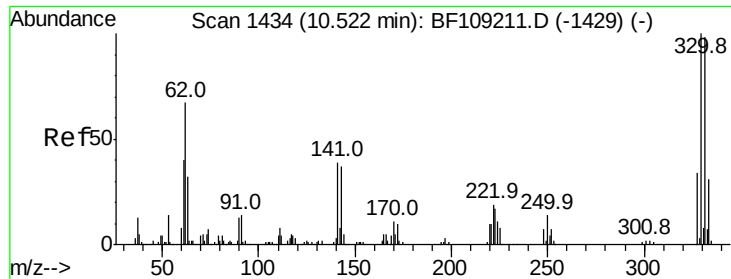
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 92.128 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF109271.D

Acq: 24 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

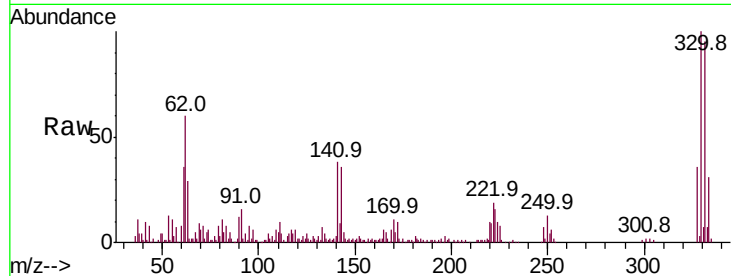
RA-091918-NORTHEX-WW-062

Tot Ion:	330	Resp:	131294
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.0	115.6
141	32.5	29.9	44.9

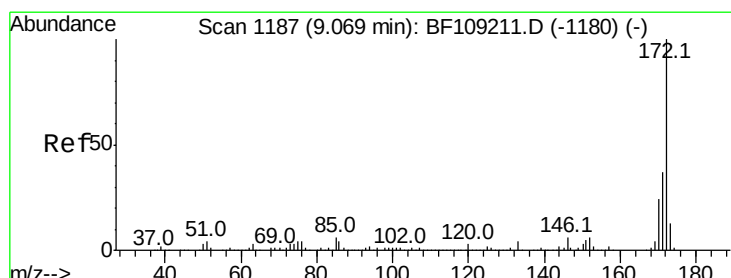
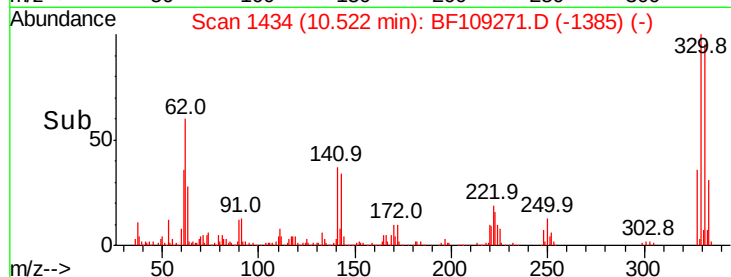
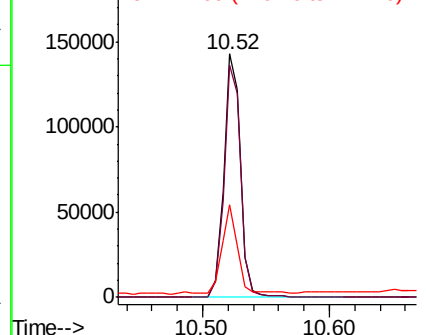
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 64.164 ng

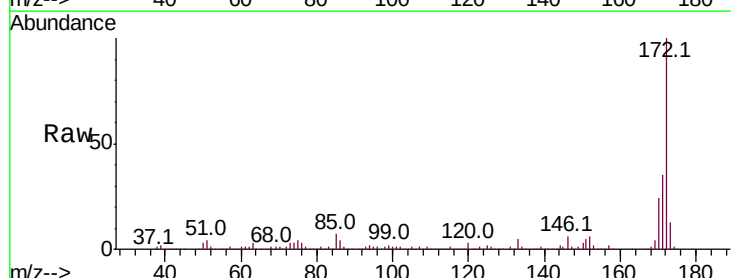
RT: 9.06 min Scan# 1186

Delta R.T. -0.01 min

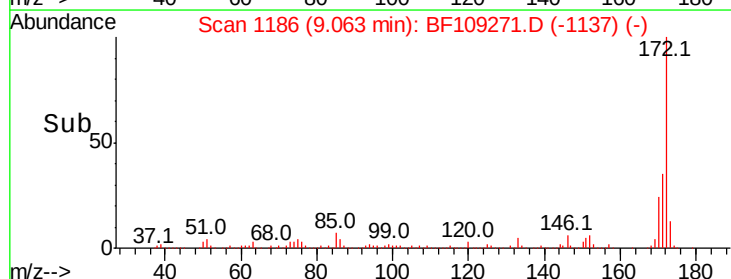
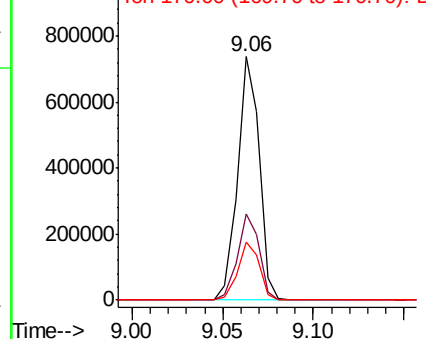
Lab File: BF109271.D

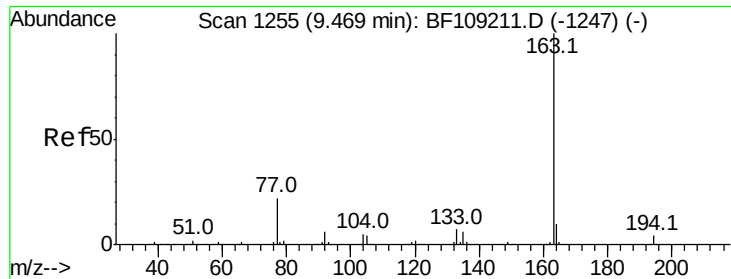
Acq: 24 Sep 2018 16:52

Tgt Ion:	172	Resp:	615041
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.7	44.5
170	23.8	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: 18.064 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109271.D

Acq: 24 Sep 2018 16:52

Instrument :

BNA_F

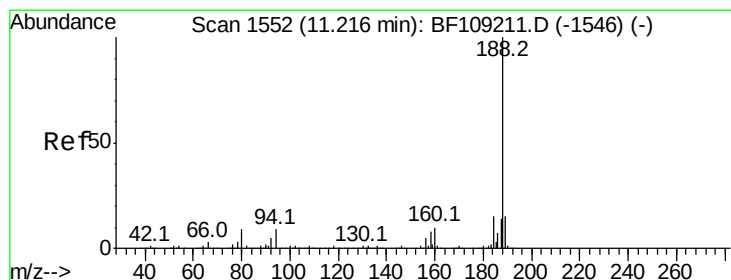
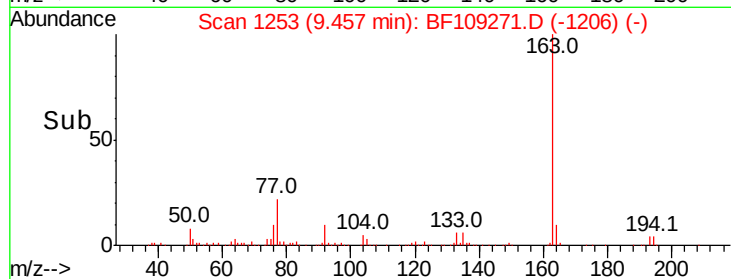
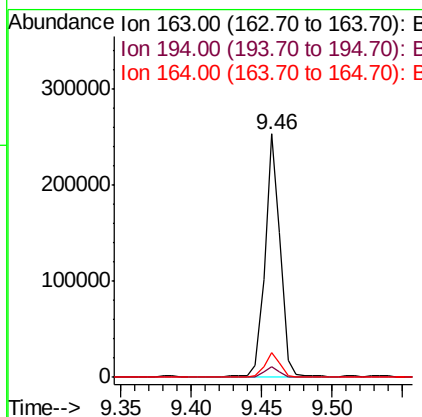
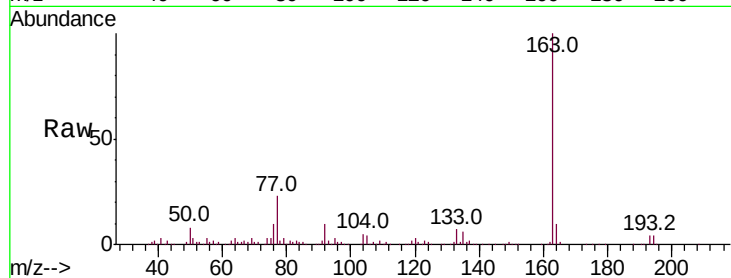
ClientSampleId :

RA-091918-NORTHEX-WW-062

Tot Ion:	163	Resp:	189940
Ion Ratio	Lower	Upper	
163	100		
194	4.4	2.7	4.1#
164	10.0	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

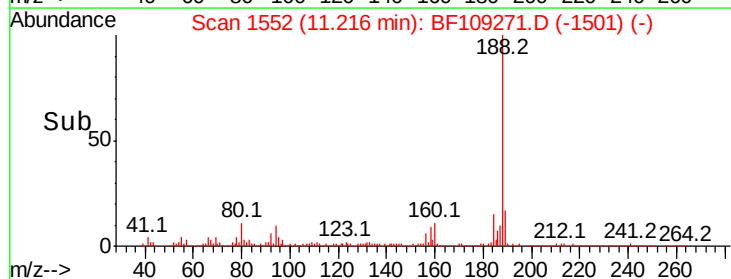
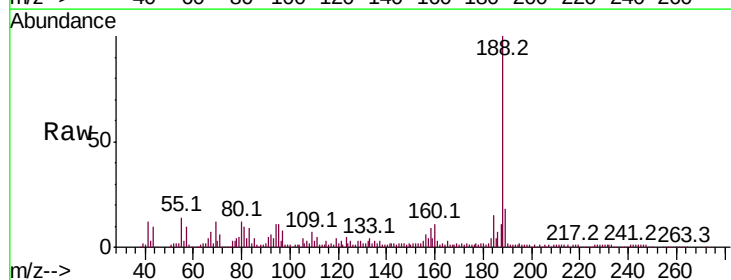
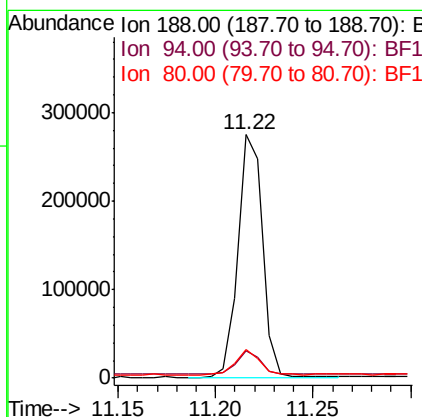
RT: 11.22 min Scan# 1552

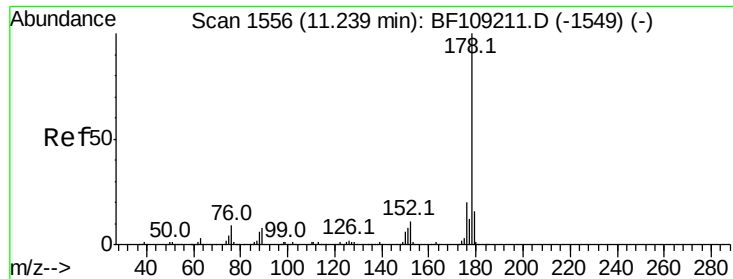
Delta R.T. 0.00 min

Lab File: BF109271.D

Acq: 24 Sep 2018 16:52

Tgt Ion:	188	Resp:	238437
Ion Ratio	Lower	Upper	
188	100		
94	11.2	8.5	12.7
80	11.8	9.2	13.8





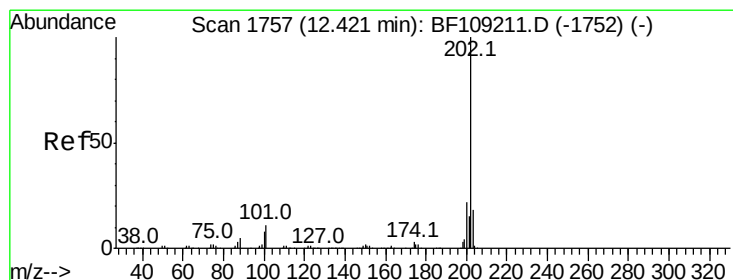
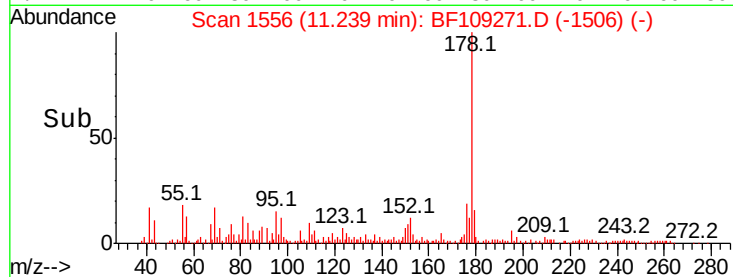
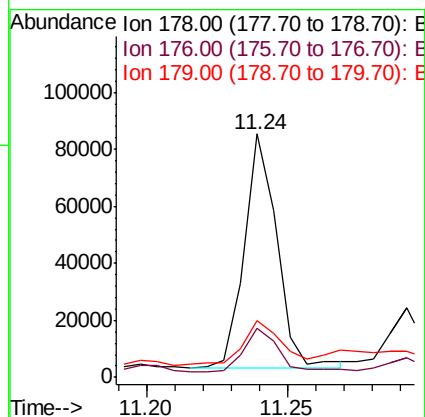
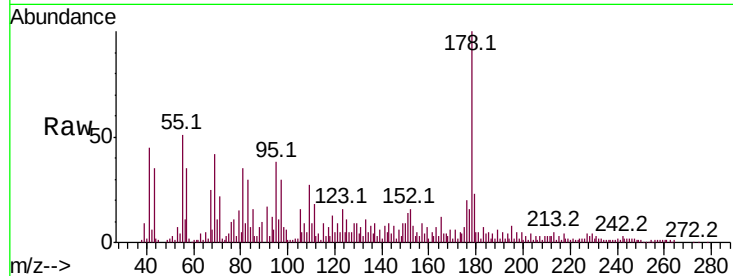
#70
Phenanthrene
Concen: 5.494 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
RA-091918-NORTHEX-WW-062

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	23.4	13.0	19.6

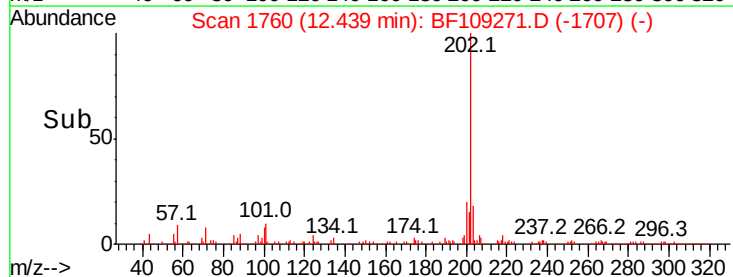
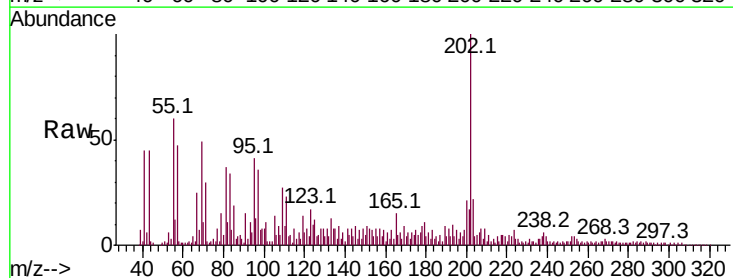
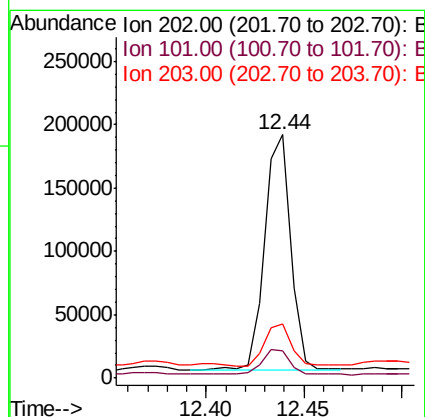
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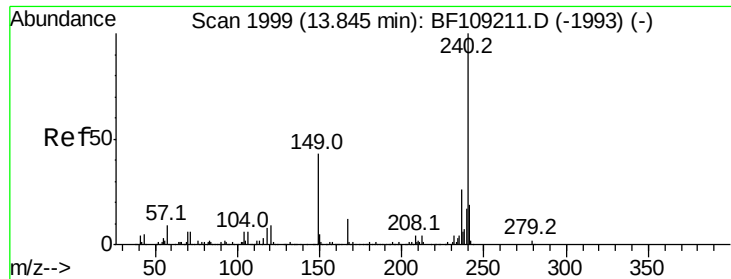
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#74
Fluoranthene
Concen: 13.484 ng
RT: 12.44 min Scan# 1760
Delta R.T. 0.01 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.1
203	22.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.02 min

Lab File: BF109271.D

Acq: 24 Sep 2018 16:52

Instrument :

BNA_F

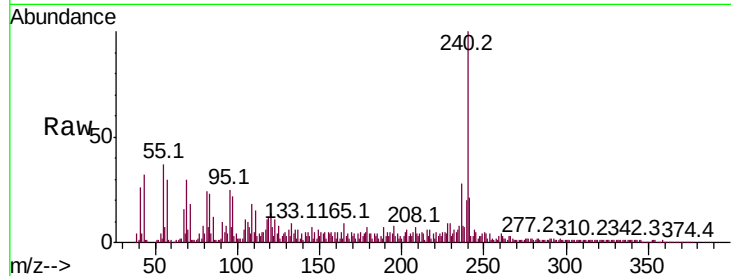
ClientSampleId :

RA-091918-NORTHEX-WW-062

Tot Ion:	240	Resp:	200289
Ion Ratio	Lower	Upper	
240	100		
120	13.7	9.5	14.3
236	28.1	20.7	31.1

Manual Integrations
APPROVED

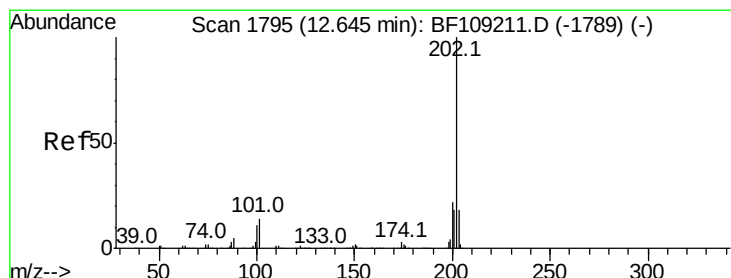
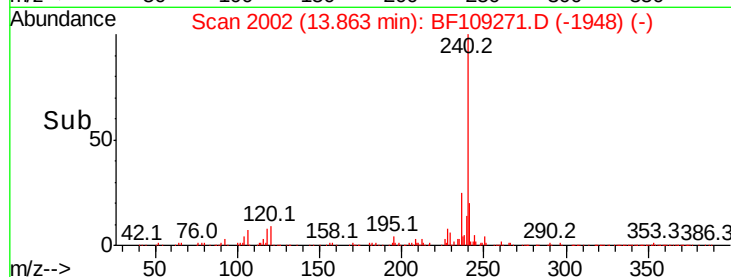
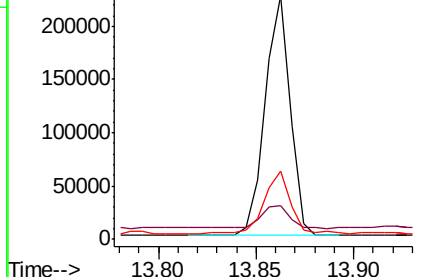
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 11.126 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.01 min

Lab File: BF109271.D

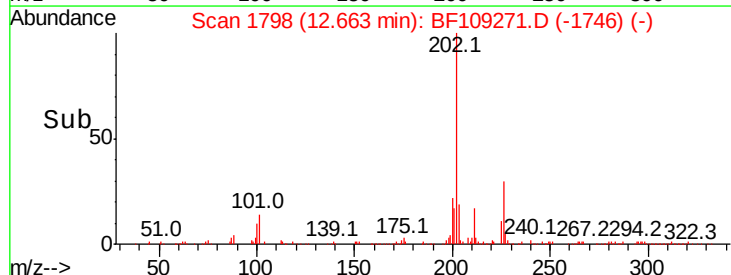
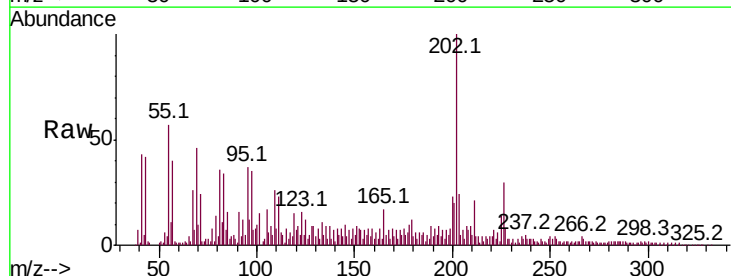
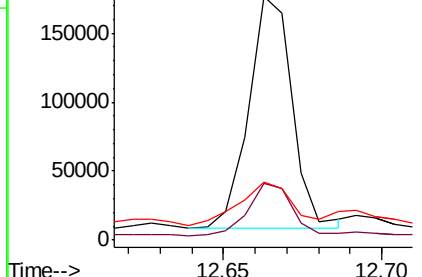
Acq: 24 Sep 2018 16:52

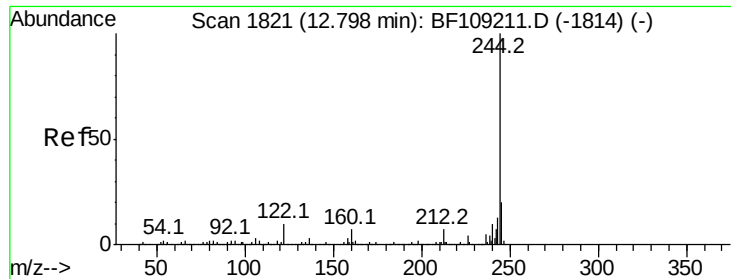
Tgt Ion:	202	Resp:	159712
Ion Ratio	Lower	Upper	
202	100		
200	23.1	17.4	26.2
203	23.9	14.3	21.5#

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: 53.791 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF109271.D

Acq: 24 Sep 2018 16:52

Instrument :

BNA_F

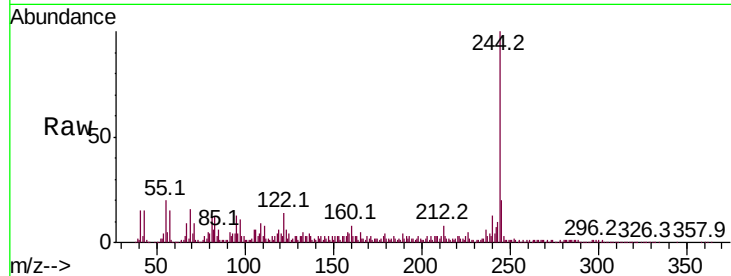
ClientSampleId :

RA-091918-NORTHEX-WW-062

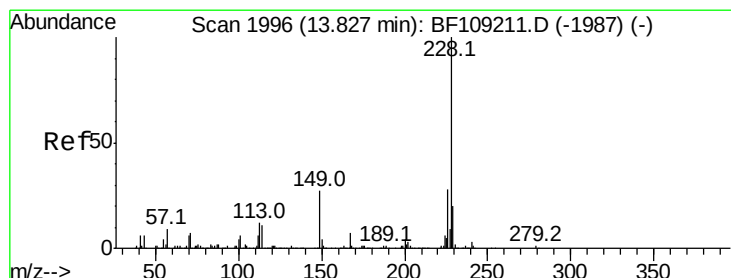
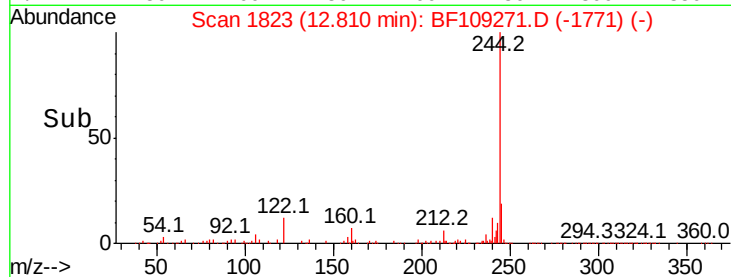
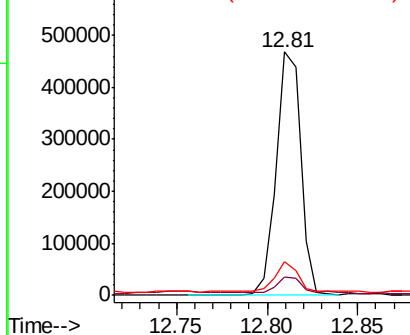
Tot Ion:	244	Resp:	438999
Ion Ratio	Lower	Upper	
244	100		
212	7.6	5.4	8.0
122	13.6	11.0	16.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 5.924 ng

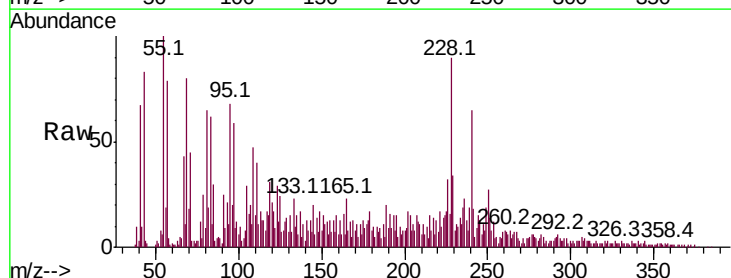
RT: 13.85 min Scan# 2000

Delta R.T. 0.02 min

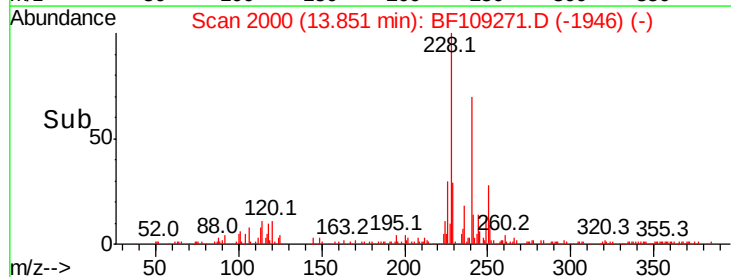
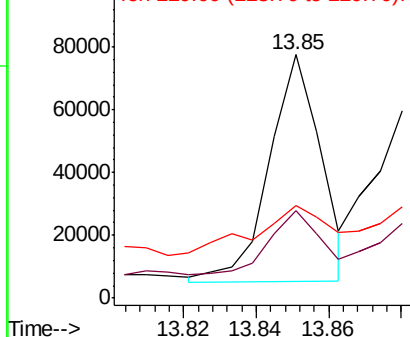
Lab File: BF109271.D

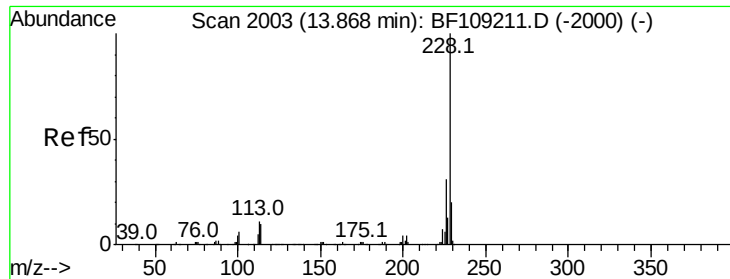
Acq: 24 Sep 2018 16:52

Tgt Ion:	228	Resp:	71463
Ion Ratio	Lower	Upper	
228	100		
226	35.7	22.6	33.8#
229	38.0	15.8	23.6#



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





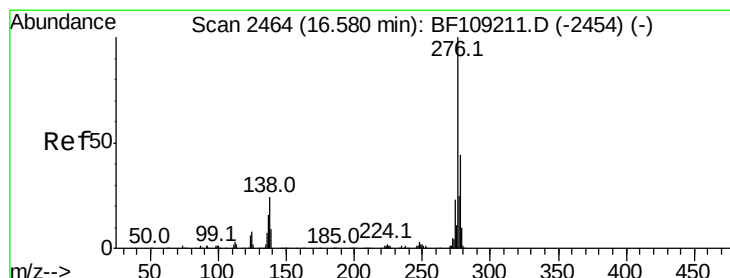
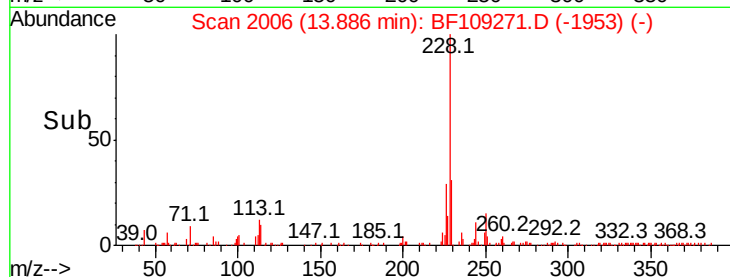
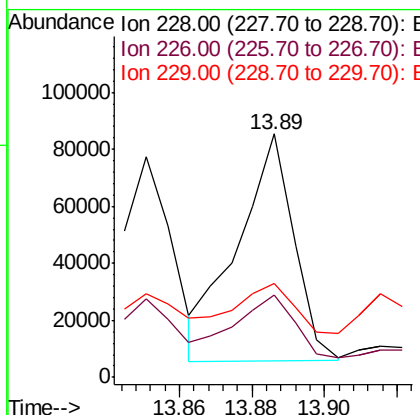
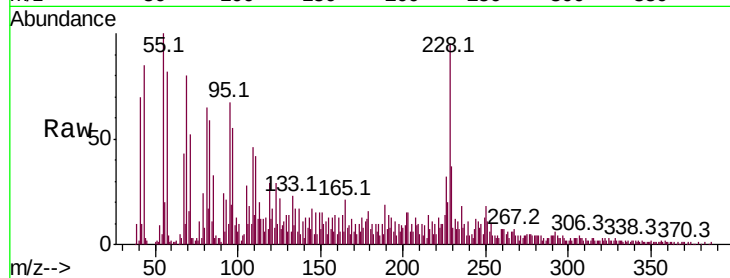
#82
Chrysene
Concen: 7.188 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
RA-091918-NORTHEX-WW-062

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.6	25.0	37.6
229	38.8	16.2	24.4

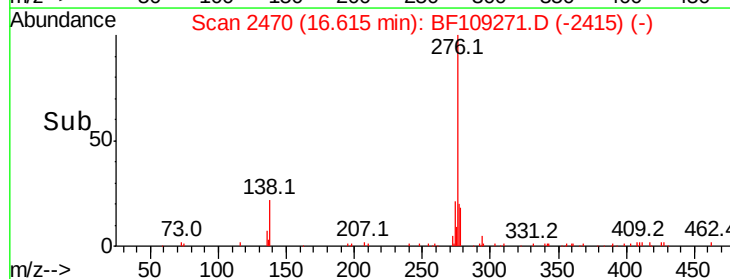
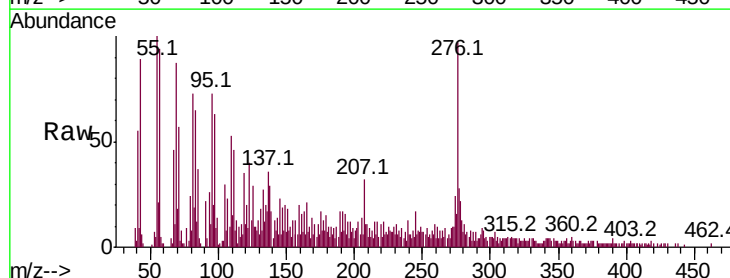
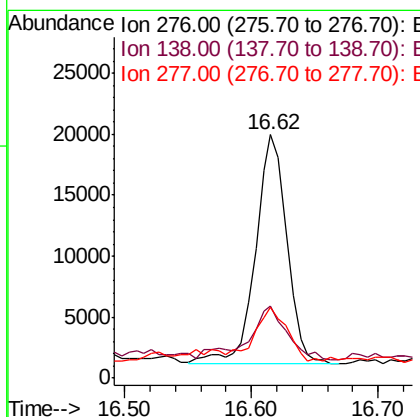
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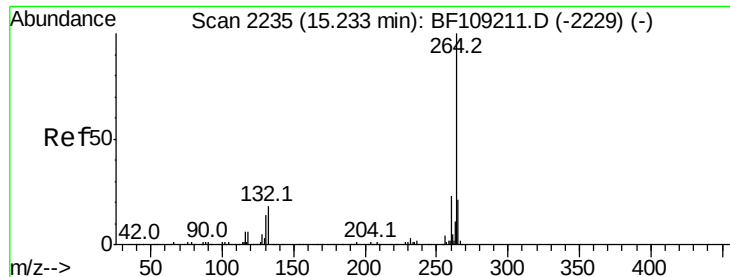
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.336 ng
RT: 16.62 min Scan# 2470
Delta R.T. 0.02 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.0	25.0	37.6
277	25.0	20.1	30.1





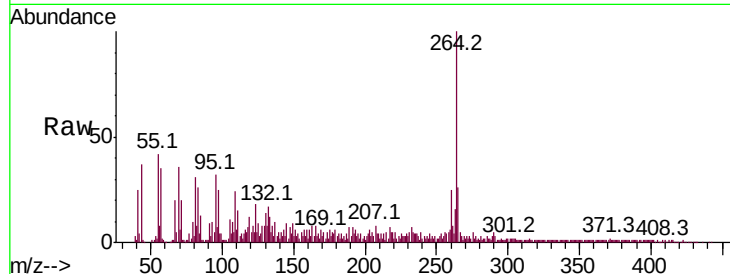
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.04 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
RA-091918-NORTHEX-WW-062

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	25.4	19.2	28.8	
265	25.8	17.5	26.3	

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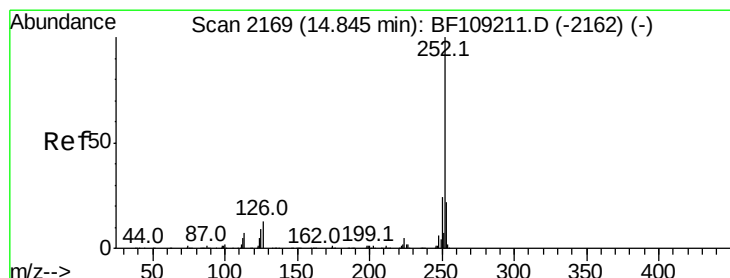
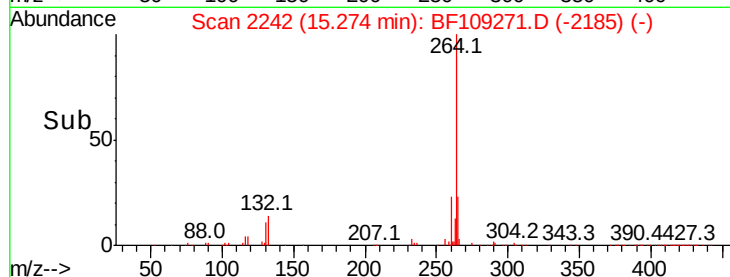
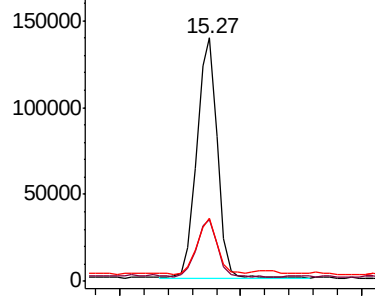


Abundance

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: 9.947 ng m
RT: 14.87 min Scan# 2174
Delta R.T. 0.02 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

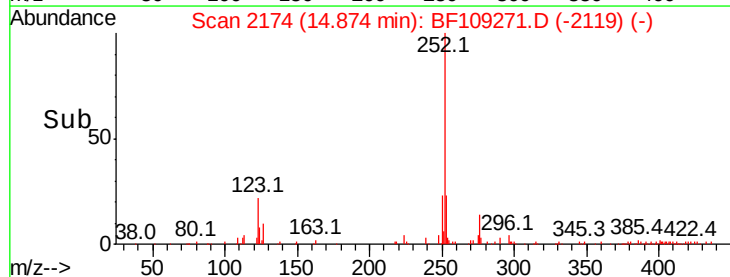
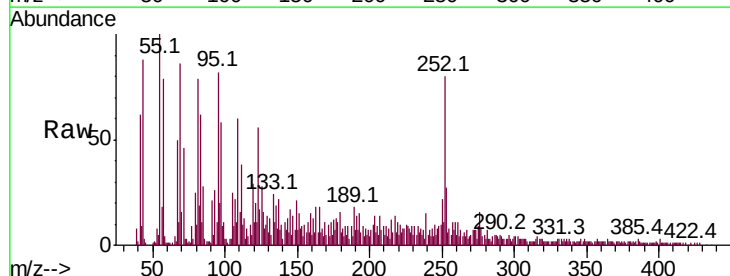
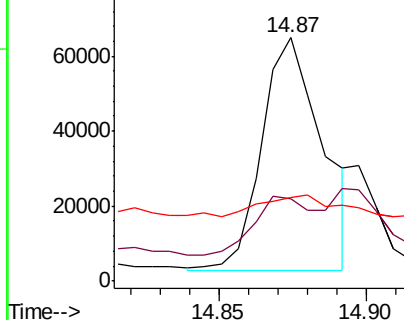
Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	34.0	17.0	25.6#	
125	34.6	9.0	13.6#	

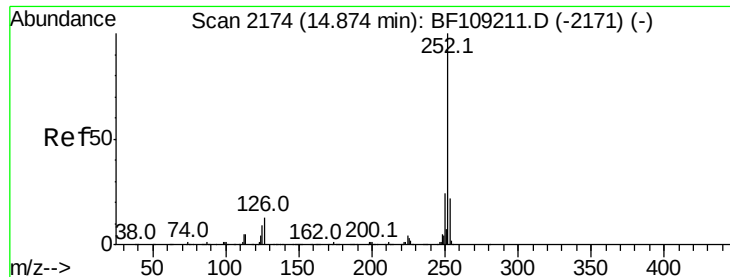
Abundance

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





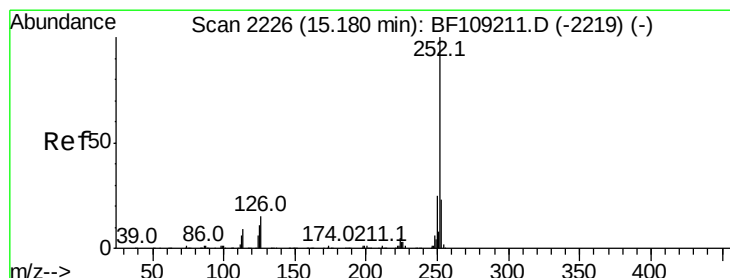
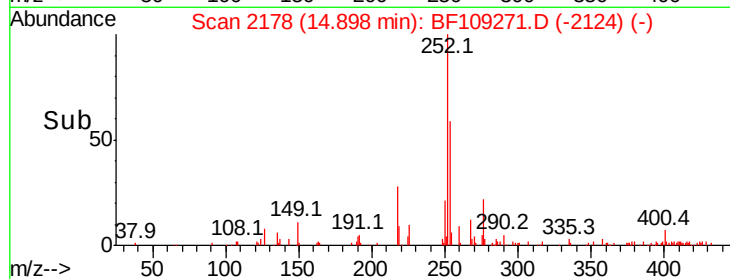
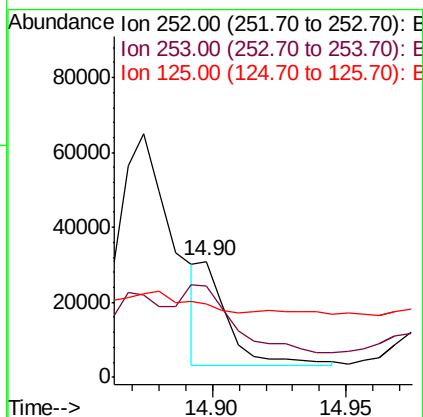
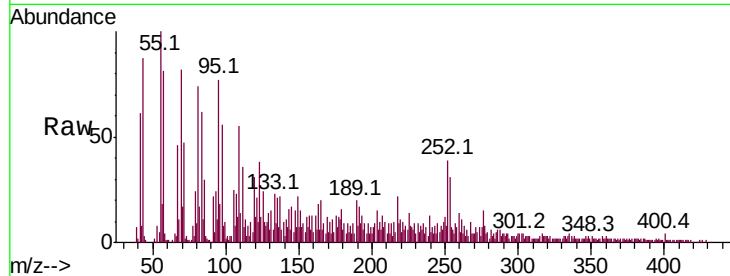
#88
Benzo(k)fluoranthene
Concen: 2.444 ng/mL
RT: 14.90 min Scan# 2178
Delta R.T. 0.02 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
RA-091918-NORTHEX-WW-062

Tot Ion	Ratio	Lower	Upper
252	100		
253	79.2	17.9	26.9#
125	63.2	10.2	15.2#

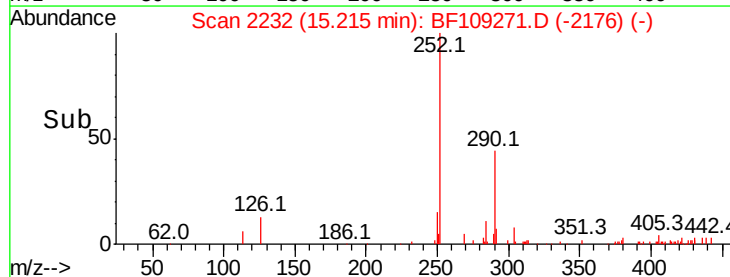
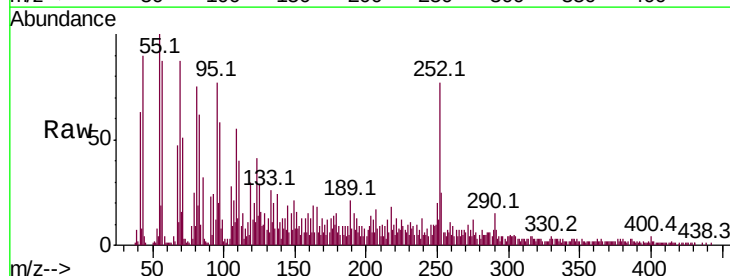
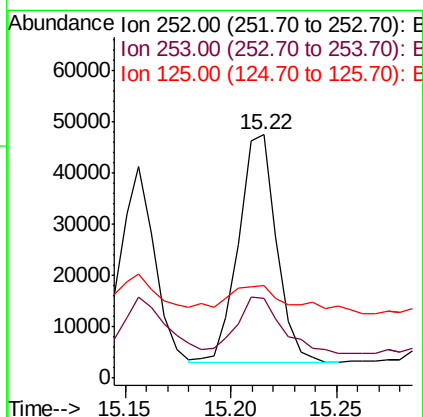
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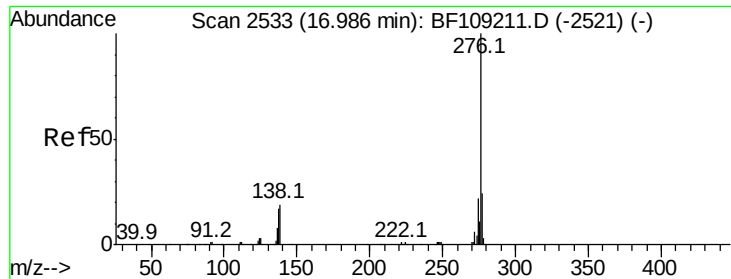
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#89
Benzo(a)pyrene
Concen: 6.895 ng/mL
RT: 15.22 min Scan# 2232
Delta R.T. 0.03 min
Lab File: BF109271.D
Acq: 24 Sep 2018 16:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.5	17.1	25.7#
125	38.0	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 5.381 ng
 RT: 17.02 min Scan# 2539
 Delta R.T. 0.02 min
 Lab File: BF109271.D
 Acq: 24 Sep 2018 16:52

Instrument :
 BNA_F
 ClientSampleId :
 RA-091918-NORTHEX-WW-062

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.9	17.9	26.9#
138	27.7	21.8	32.8

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