

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
 Data File : BF110763.D
 Acq On : 14 Nov 2018 14:44
 Operator : JU/SJ
 Sample : J5911-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FDSB-09(10-12)

Manual Integrations
 APPROVED

Sohil
 11/15/2018 10:59:22 AM

Quant Time: Nov 14 15:43:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	48981	20.00	ng	0.02
21) Naphthalene-d8	8.26	136	199826	20.00	ng	0.04
39) Acenaphthene-d10	10.00	164	151810	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	287663	20.00	ng	0.00
76) Chrysene-d12	14.13	240	176509	20.00	ng	0.00
87) Perylene-d12	15.66	264	168201	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	492958	163.48	ng	0.01
7) Phenol-d6	6.58	99	693423	179.83	ng	0.00
23) Nitrobenzene-d5	7.54	82	398335	114.80	ng	0.02
42) 2,4,6-Tribromophenol	10.79	330	201126	131.48	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	857340	80.66	ng	0.00
79) Terphenyl-d14	13.06	244	774159	82.14	ng	0.00
Target Compounds						
10) Phenol	6.59	94	44500	9.952	ng	Qvalue # 81
37) 2-Methylnaphthalene	8.97	142	1945832	316.419	ng	97
38) 1-Methylnaphthalene	9.07	142	1089561	184.232	ng	# 100
50) Dimethylphthalate	9.70	163	70243	6.201	ng	# 75
52) Acenaphthene	10.03	154	204189	21.990	ng	94
55) Dibenzofuran	10.20	168	260359	19.165	ng	# 97
58) Fluorene	10.54	166	168378	16.136	ng	# 95
71) Phenanthrene	11.50	178	167217	10.850	ng	98
72) Anthracene	11.56	178	41008m	2.638	ng	
75) Fluoranthene	12.70	202	92371	5.978	ng	100
78) Pyrene	12.93	202	78261	5.758	ng	99
81) Benzo(a)anthracene	14.12	228	21467	2.035	ng	96

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

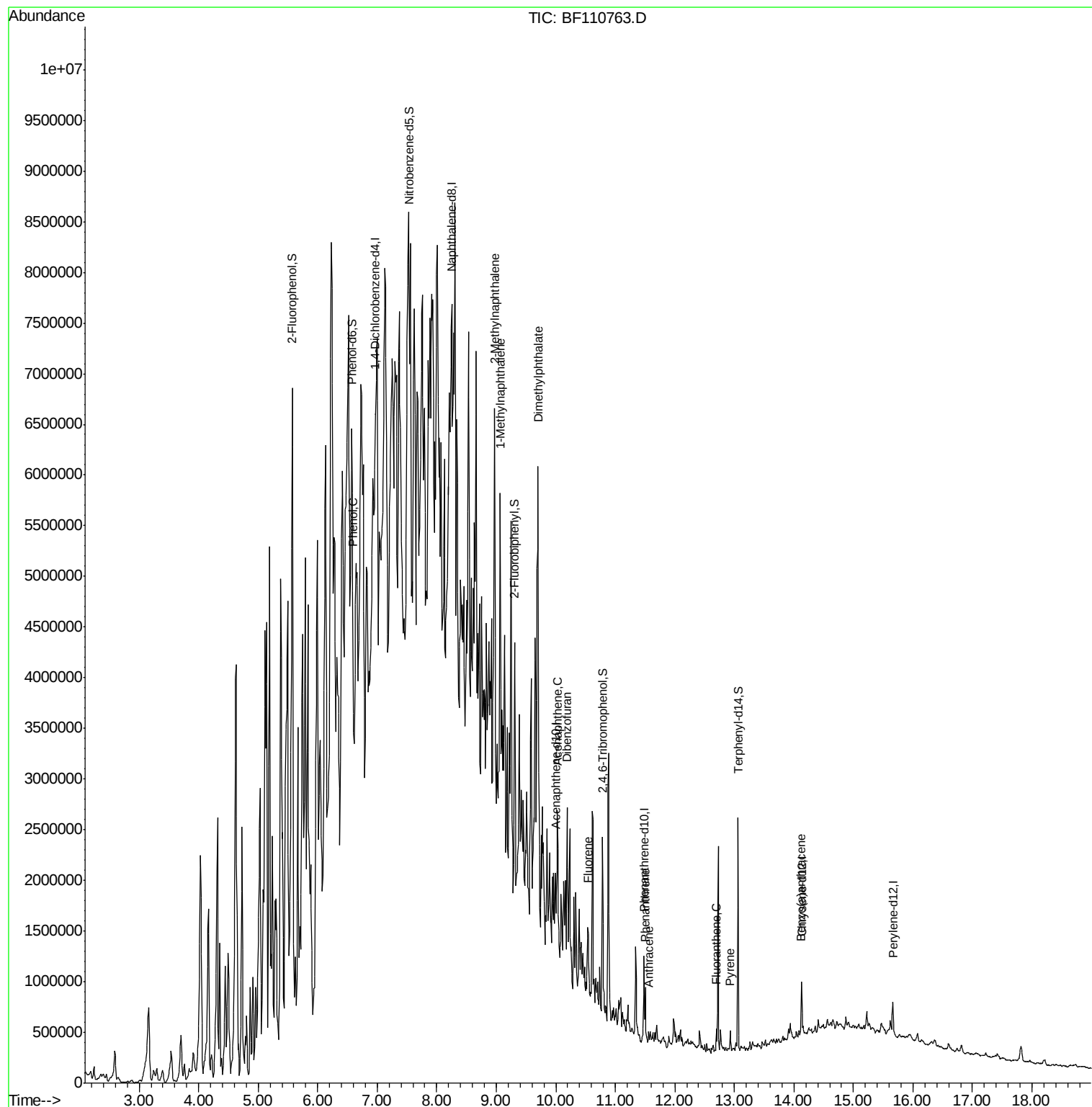
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
Data File : BF110763.D
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Sample : J5911-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

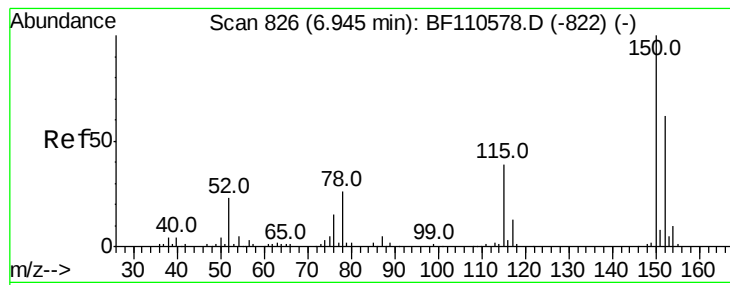
Instrument :
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FDSB-09(10-12)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

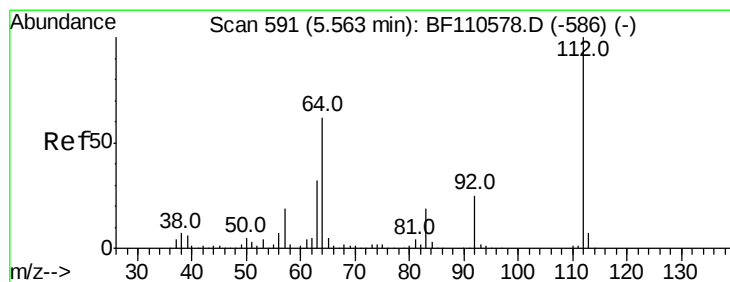
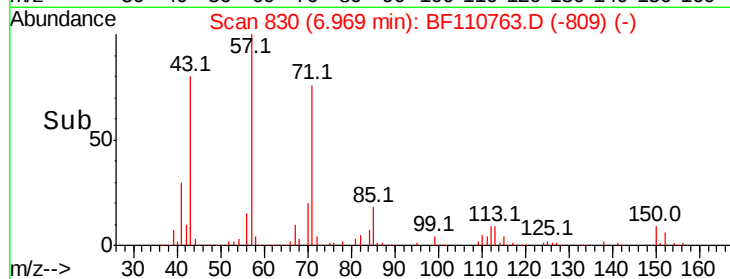
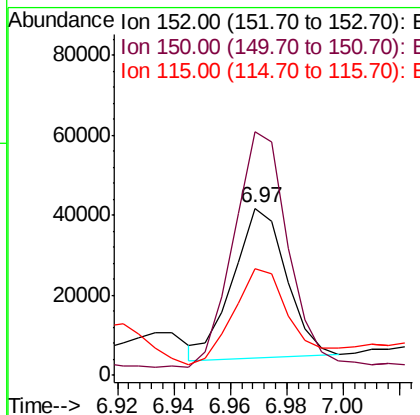
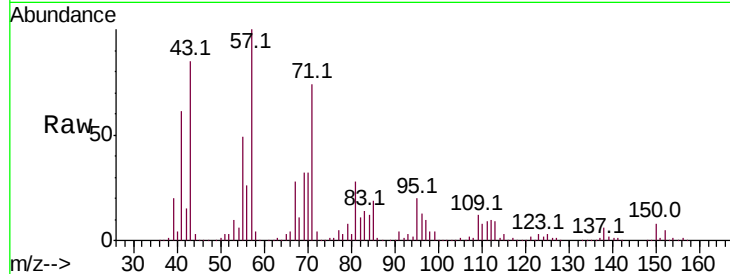
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.02 min
Lab File: BF110763.D
Acq: 14 Nov 2018 14:44

Instrument :
BNA_F
ClientSampleId :
FDSB-09(10-12)

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.6	122.7	184.1
115	63.9	49.1	73.7

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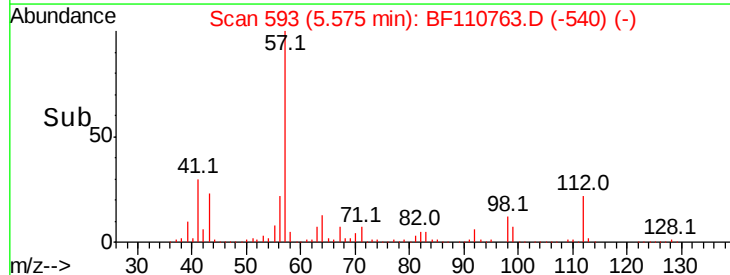
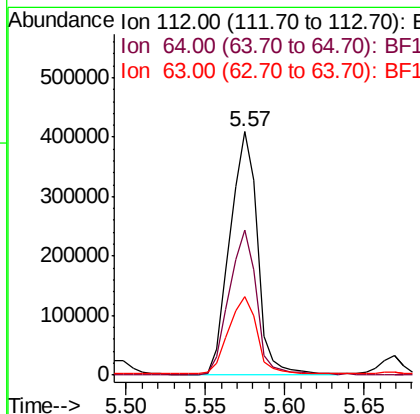
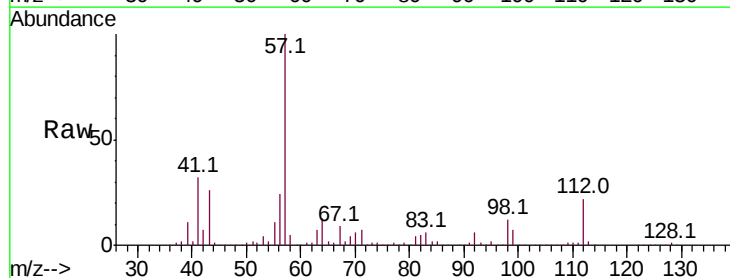
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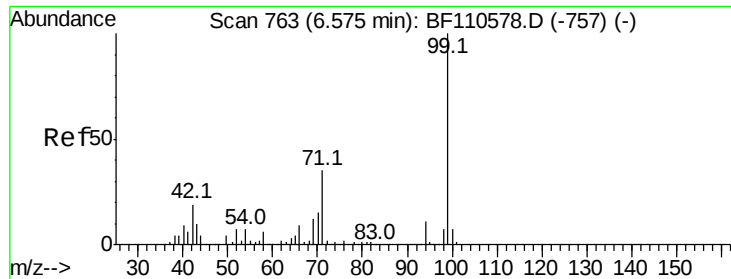


#5

2-Fluorophenol
Concen: 163.475 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.01 min
Lab File: BF110763.D
Acq: 14 Nov 2018 14:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	44.1	66.1
63	32.3	23.7	35.5





#7

Phenol-d6

Concen: 179.826 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.01 min

Lab File: BF110763.D

Acq: 14 Nov 2018 14:44

Instrument :

BNA_F

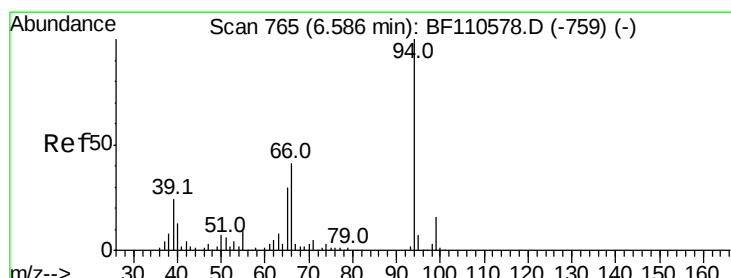
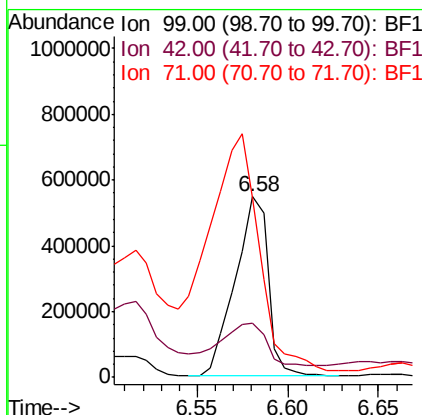
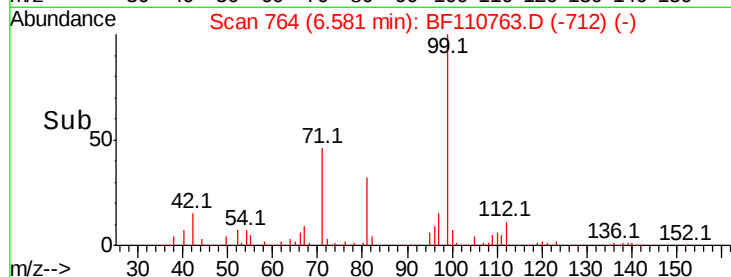
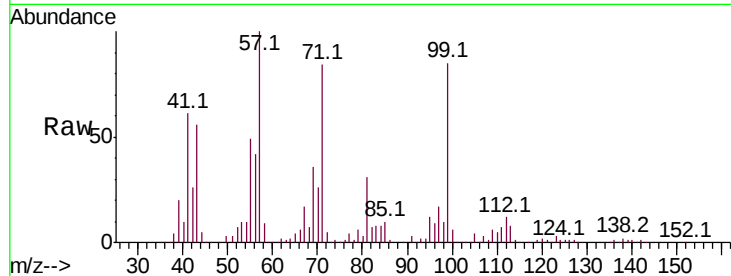
ClientSampleId :

FDSB-09(10-12)

Tot Ion:	99	Resp:	693423
Ion Ratio	Lower	Upper	
99	100		
42	30.2	15.8	23.6#
71	99.3	28.0	42.0#

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#10

Phenol

Concen: 9.952 ng

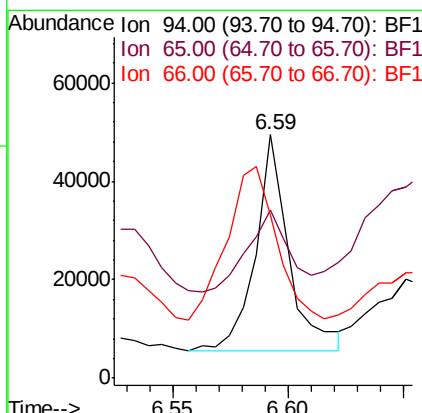
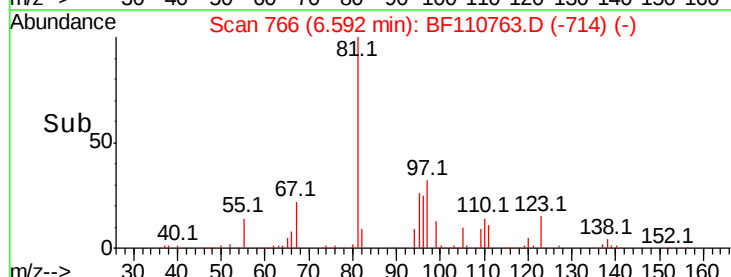
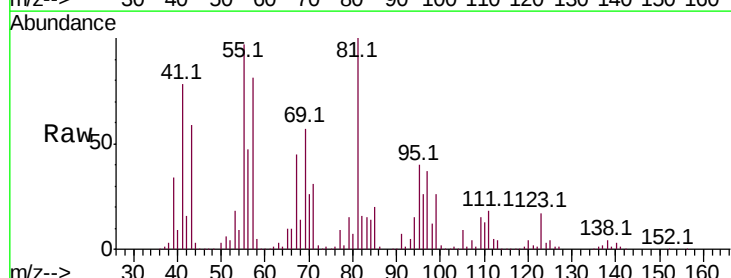
RT: 6.59 min Scan# 766

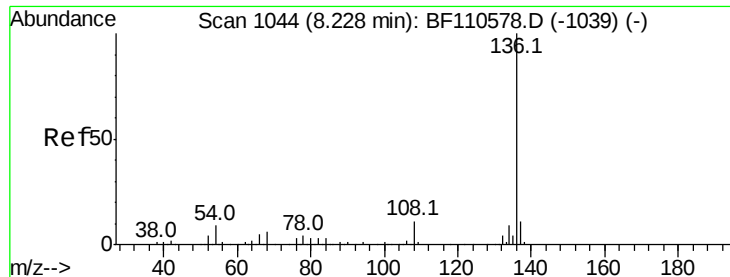
Delta R.T. 0.01 min

Lab File: BF110763.D

Acq: 14 Nov 2018 14:44

Tgt Ion:	94	Resp:	44500
Ion Ratio	Lower	Upper	
94	100		
65	69.3	25.3	65.3#
66	66.9	54.5	94.5





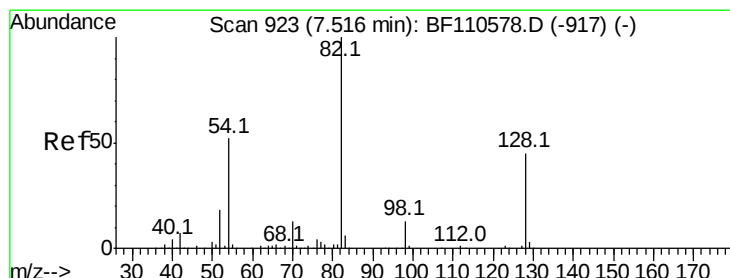
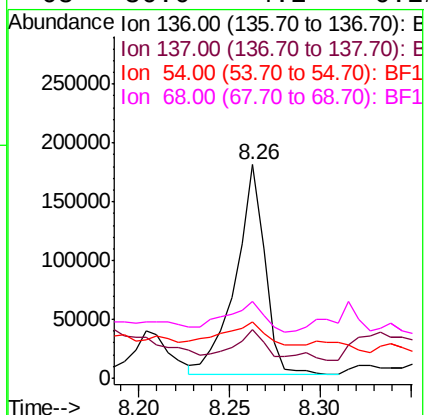
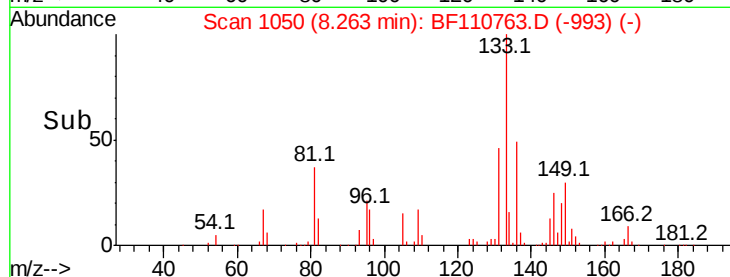
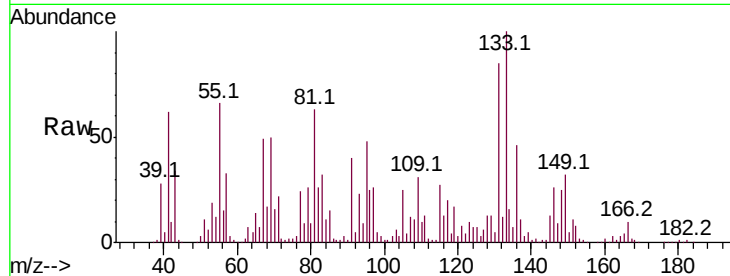
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1050
Delta R.T. 0.04 min
Lab File: BF110763.D
Acq: 14 Nov 2018 14:44

Instrument :
BNA_F
ClientSampleId :
FDSB-09(10-12)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	23.1	8.8	13.2#	
54	26.3	5.4	8.2#	
68	36.0	4.2	6.2#	

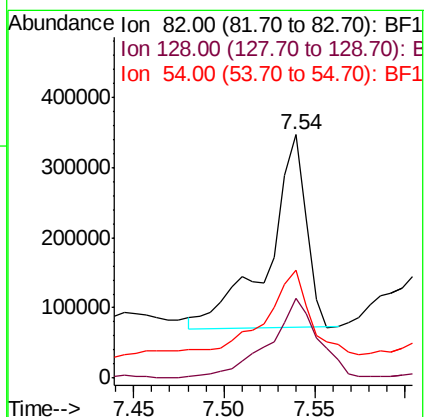
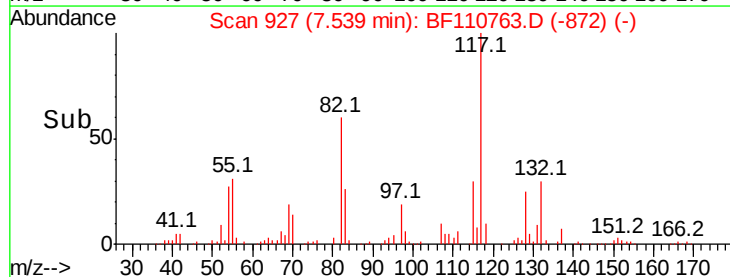
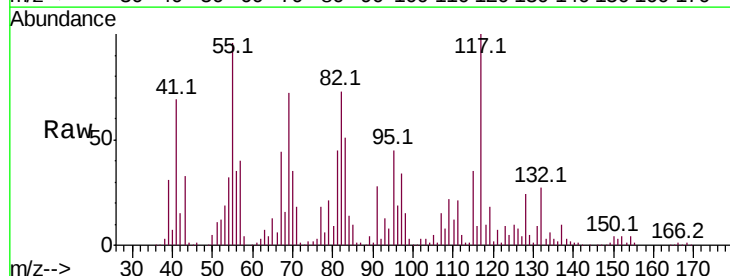
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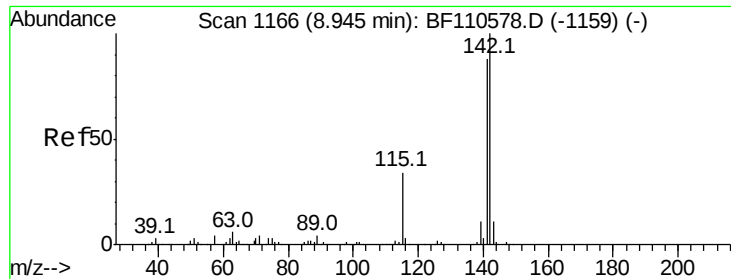
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#23
Nitrobenzene-d5
Concen: 114.800 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.02 min
Lab File: BF110763.D
Acq: 14 Nov 2018 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	32.5	34.2	51.2#	
54	44.4	38.6	58.0	





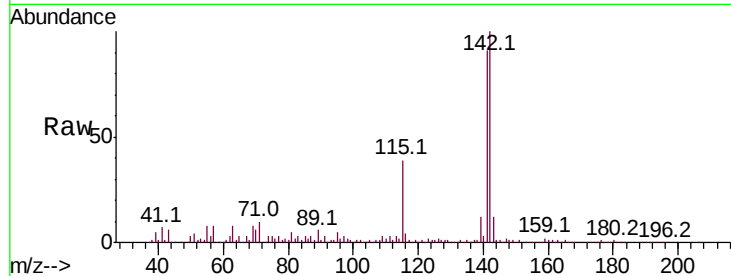
#37
2-Methylnaphthalene
Concen: 316.419 ng
RT: 8.97 min Scan# 1171
Delta R.T. 0.03 min
Lab File: BF110763.D
Acq: 14 Nov 2018 14:44

Instrument :
BNA_F
ClientSampleId :
FDSB-09(10-12)

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.9	71.4	107.2
115	39.2	28.7	43.1

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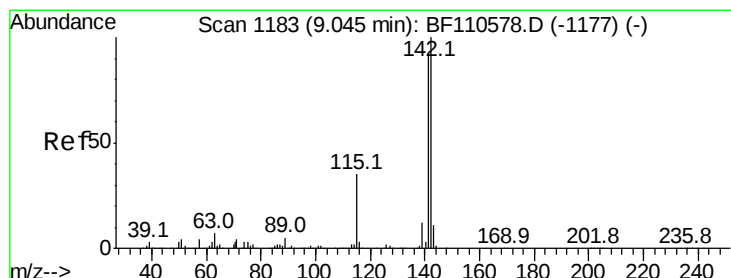
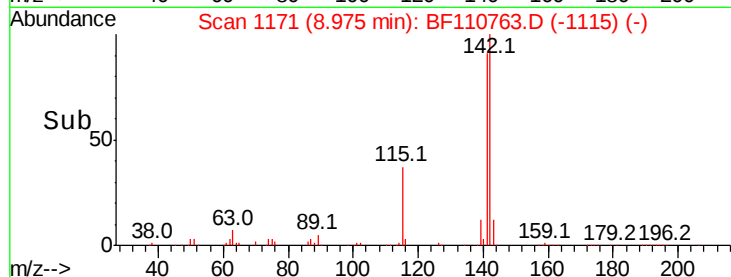
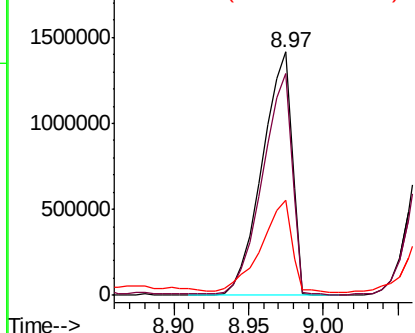


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 184.232 ng
RT: 9.07 min Scan# 1187
Delta R.T. 0.02 min
Lab File: BF110763.D
Acq: 14 Nov 2018 14:44

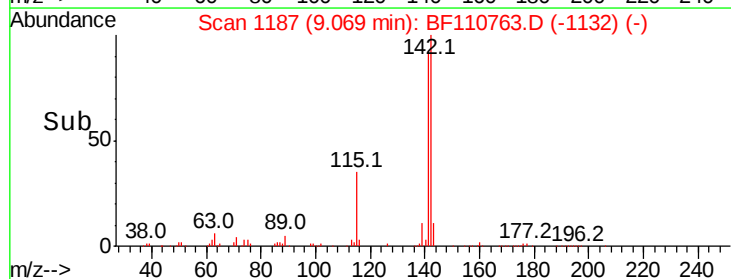
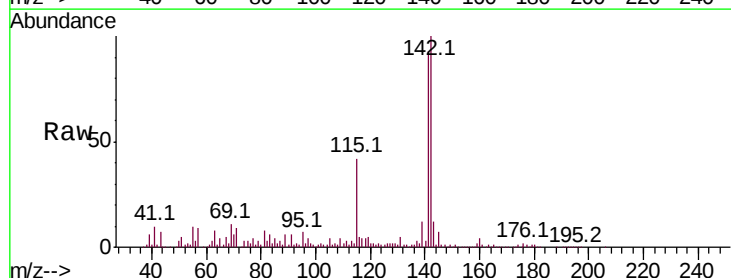
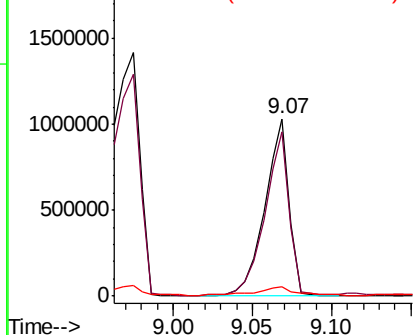
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	74.2	111.4
116	5.1	2.6	4.0#

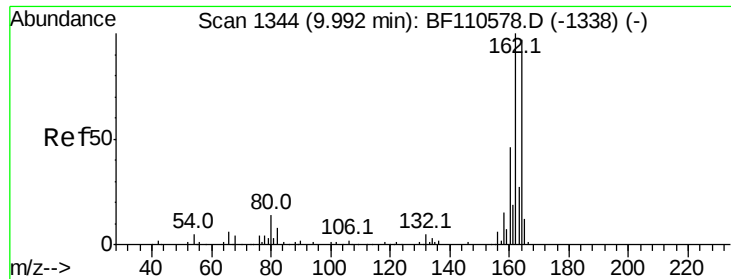
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





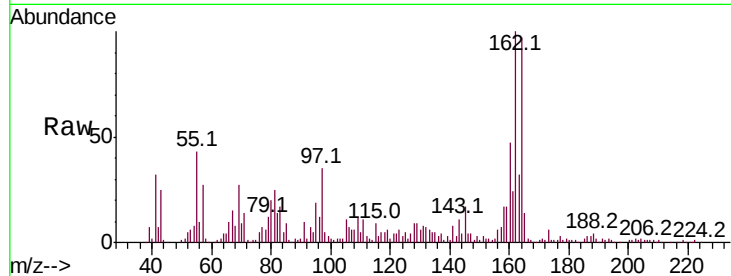
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.01 min
Lab File: BF110763.D
Acq: 14 Nov 2018 14:44

Instrument :
BNA_F
ClientSampleId :
FDSB-09(10-12)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.5	83.0	124.6	
160	49.1	37.0	55.6	

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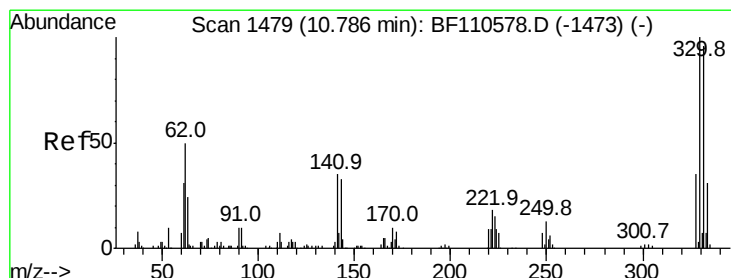
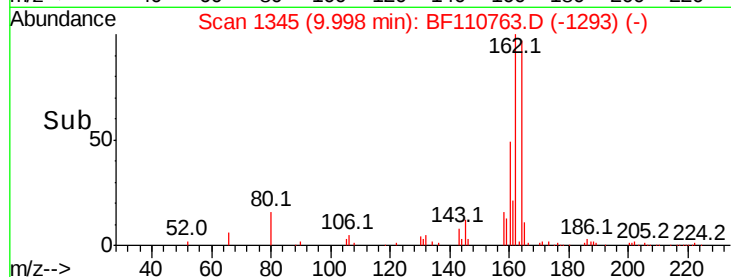
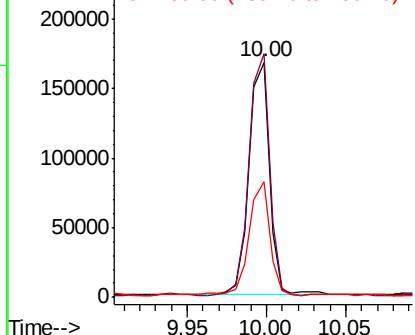


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 131.483 ng
RT: 10.79 min Scan# 1479
Delta R.T. 0.00 min
Lab File: BF110763.D
Acq: 14 Nov 2018 14:44

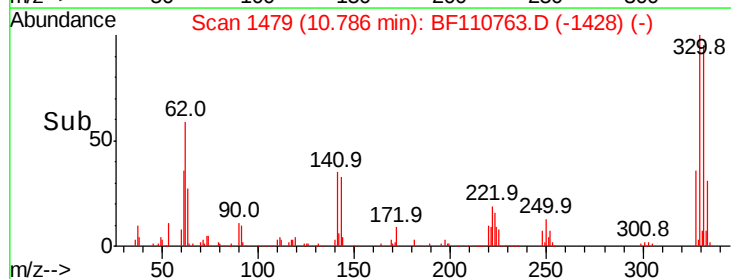
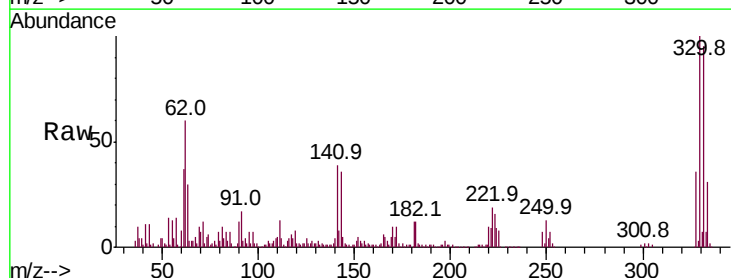
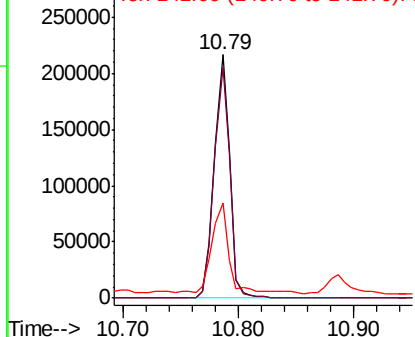
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	77.1	115.7	
141	37.4	27.0	40.4	

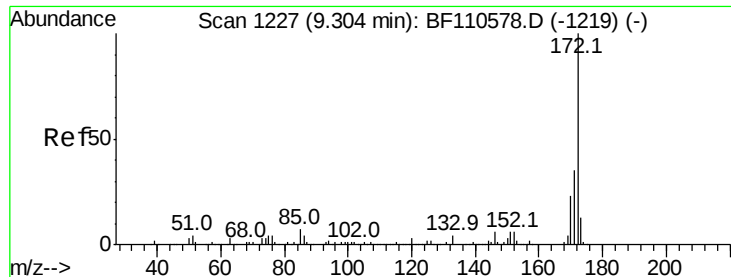
Abundance

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





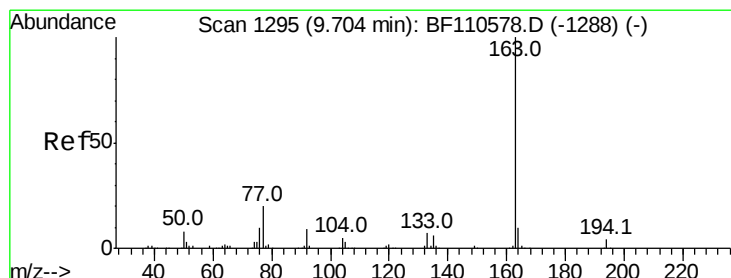
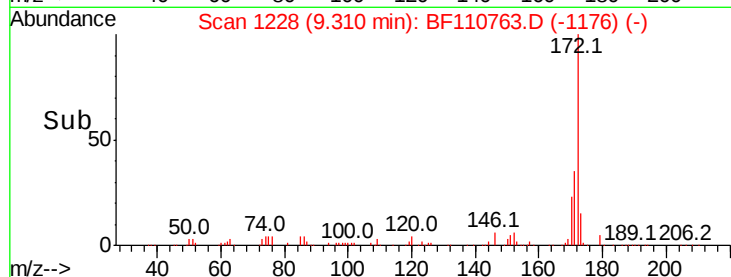
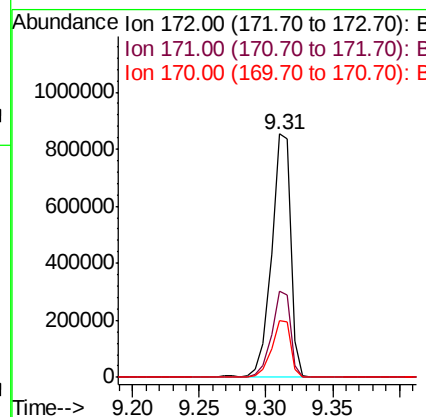
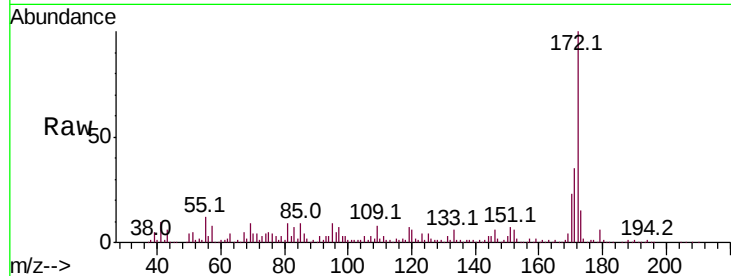
#45
2-Fluorobiphenyl
Concen: 80.656 ng
RT: 9.31 min Scan# 1228
Delta R.T. 0.01 min
Lab File: BF110763.D
Acq: 14 Nov 2018 14:44

Instrument :
BNA_F
ClientSampleId :
FDSB-09(10-12)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.2	19.7	29.5

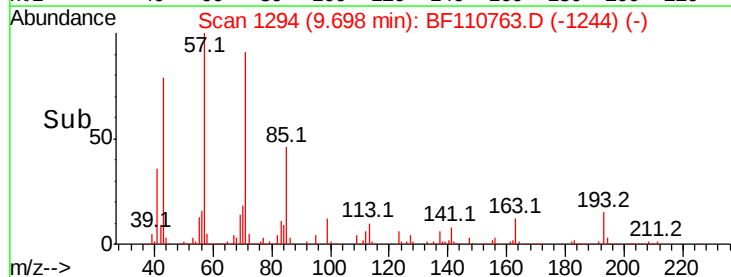
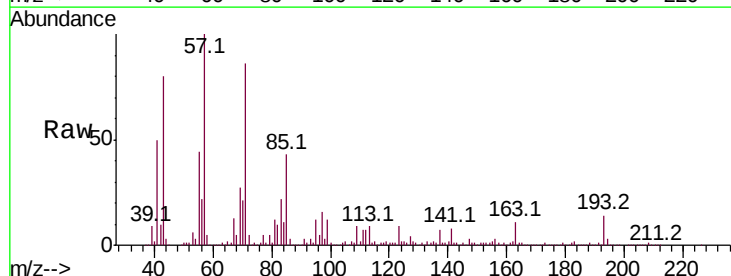
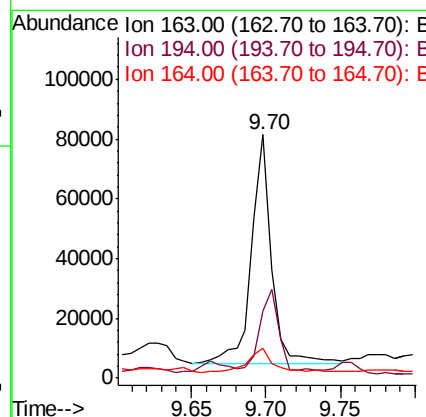
Manual Integrations
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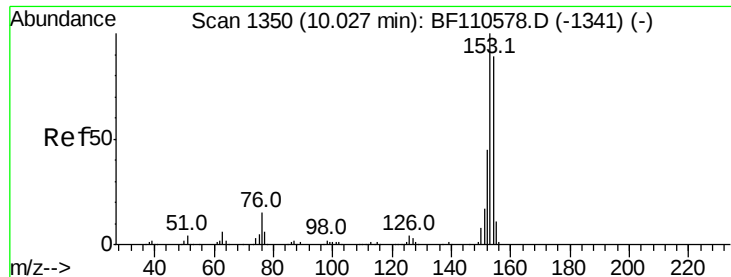
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#50
Dimethylphthalate
Concen: 6.201 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF110763.D
Acq: 14 Nov 2018 14:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	27.4	3.2	4.8#
164	12.5	8.1	12.1#





#52

Acenaphthene

Concen: 21.990 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BF110763.D

Acq: 14 Nov 2018 14:44

Instrument :

BNA_F

ClientSampleId :

FDSB-09(10-12)

Tot Ion:154 Resp: 204189

Ion Ratio Lower Upper

154 100

153 119.0 90.1 135.1

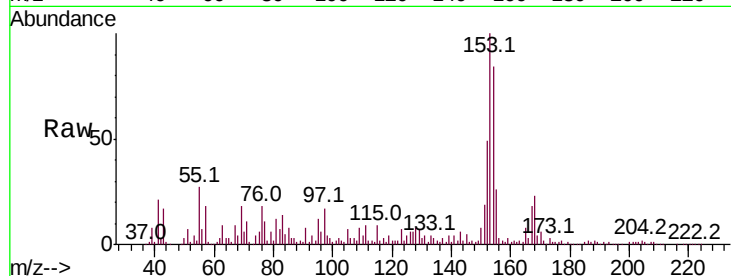
152 58.4 43.4 65.2

Manual Integrations

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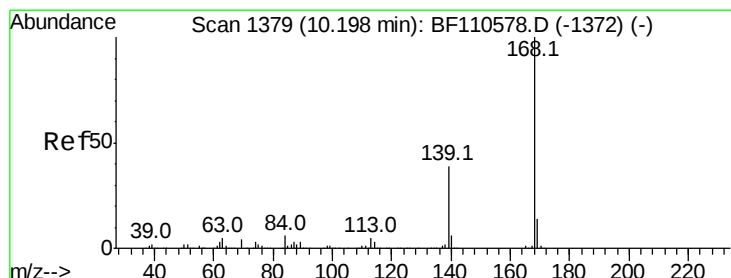
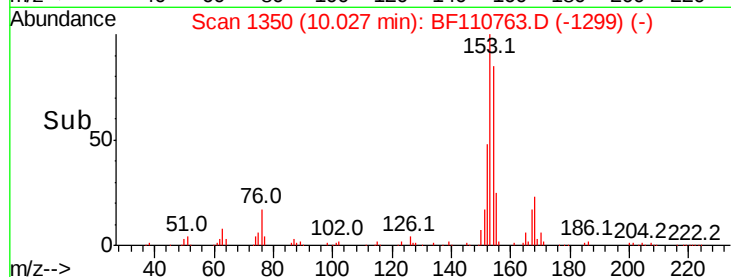
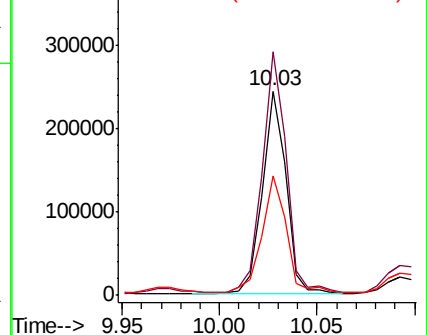
11/15/2018 10:59:22 AM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 19.165 ng

RT: 10.20 min Scan# 1379

Delta R.T. 0.00 min

Lab File: BF110763.D

Acq: 14 Nov 2018 14:44

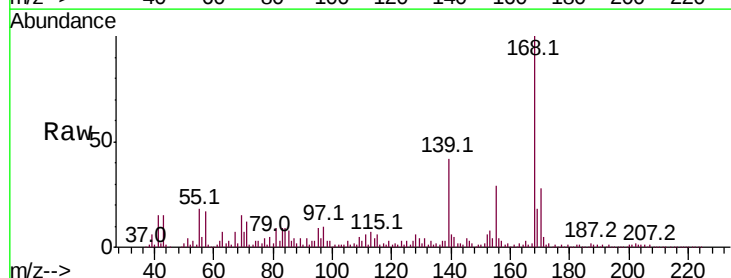
Tgt Ion:168 Resp: 260359

Ion Ratio Lower Upper

168 100

139 41.9 33.0 49.6

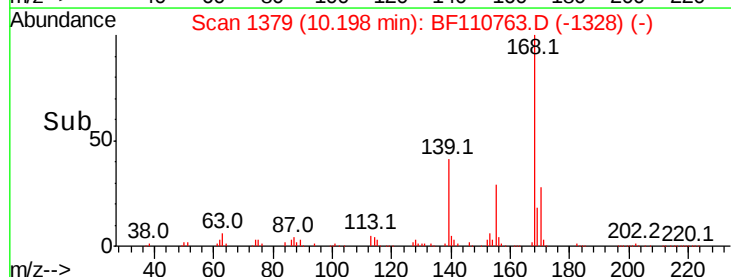
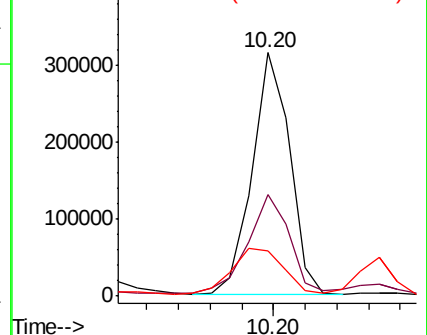
169 18.4 11.3 16.9#

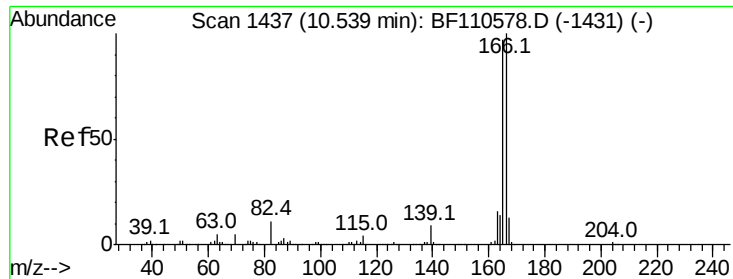


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 16.136 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.00 min

Lab File: BF110763.D

Acq: 14 Nov 2018 14:44

Instrument :

BNA_F

ClientSampleId :

FDSB-09(10-12)

Tot Ion:166 Resp: 168378

Ion Ratio Lower Upper

166 100

165 102.6 78.6 117.8

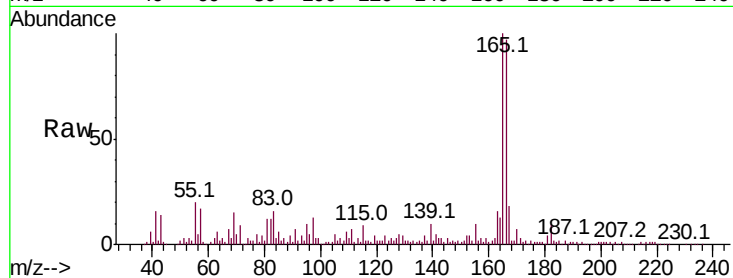
167 18.5 10.8 16.2#

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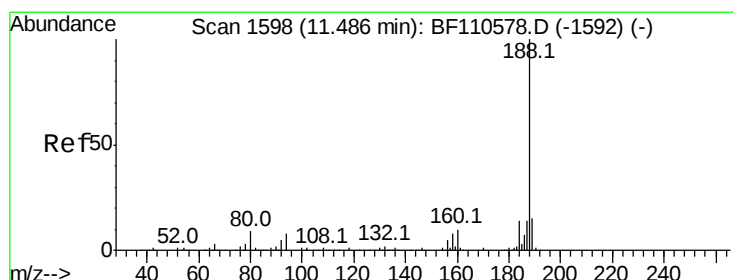
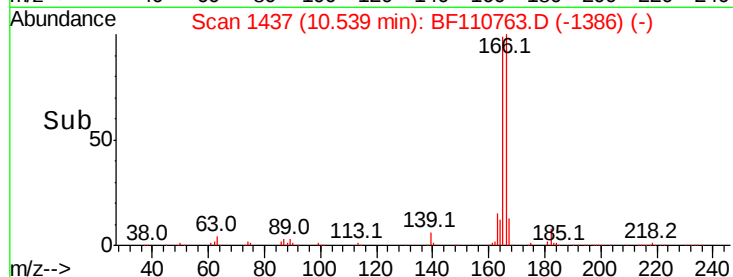
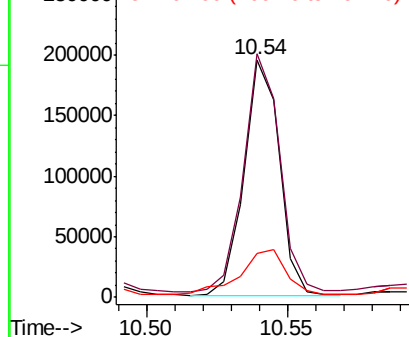
11/15/2018 10:59:22 AM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110763.D

Acq: 14 Nov 2018 14:44

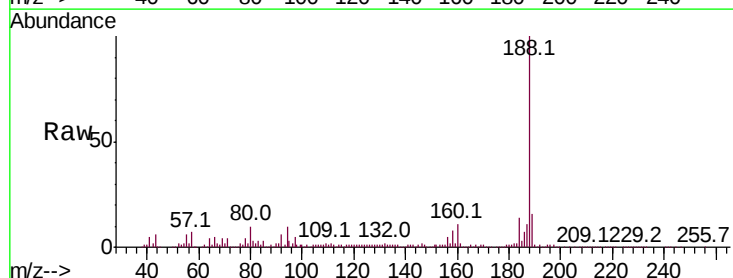
Tgt Ion:188 Resp: 287663

Ion Ratio Lower Upper

188 100

94 10.0 7.2 10.8

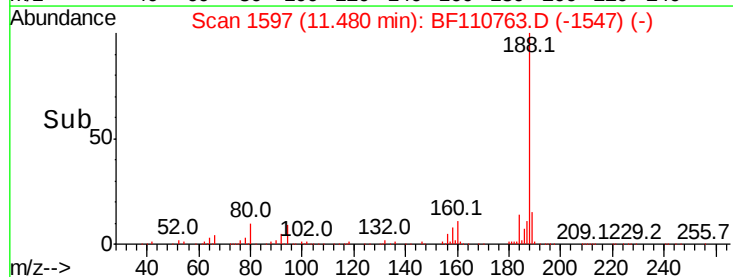
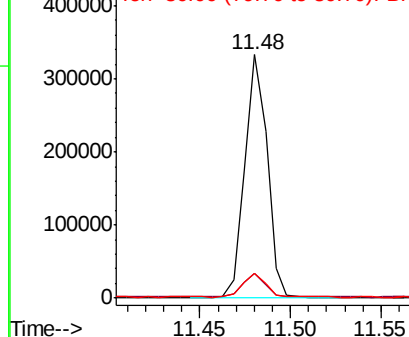
80 10.1 7.9 11.9

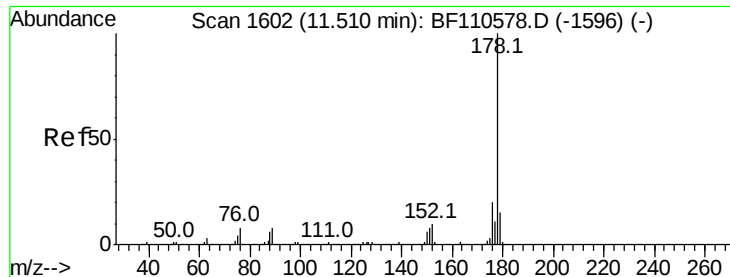


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





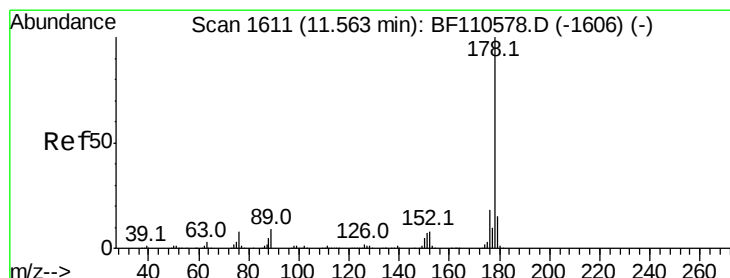
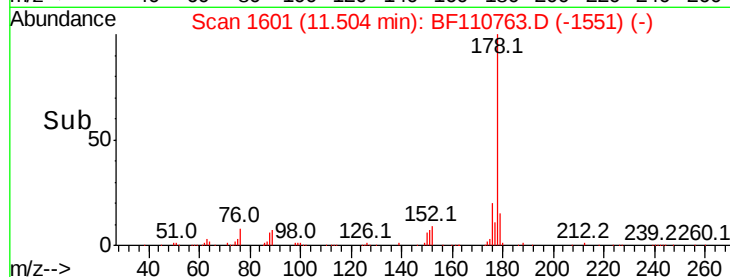
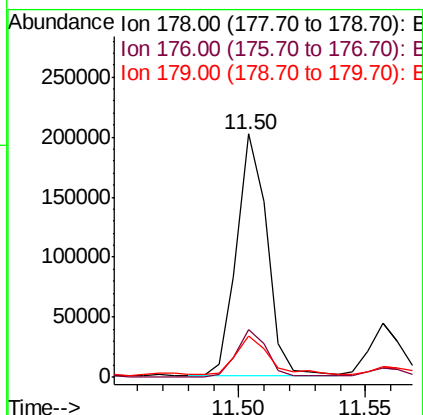
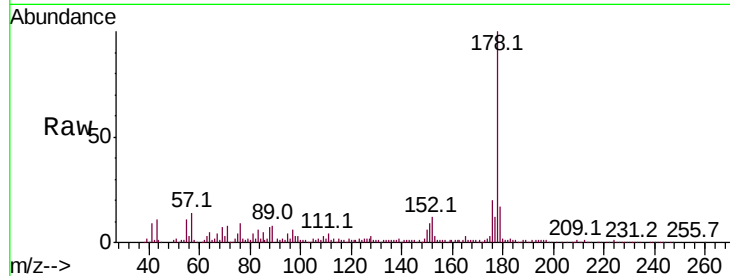
#71
Phenanthrene
Concen: 10.850 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110763.D
Acq: 14 Nov 2018 14:44

Instrument :
BNA_F
ClientSampleId :
FDSB-09(10-12)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	16.8	12.5	18.7

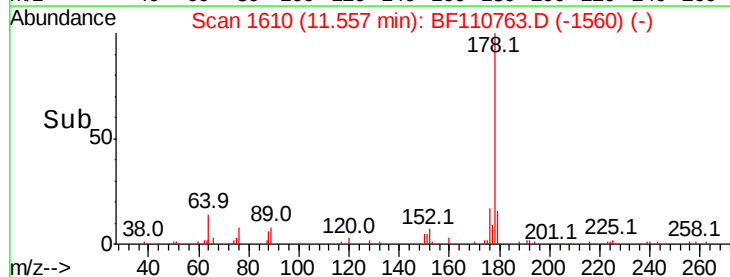
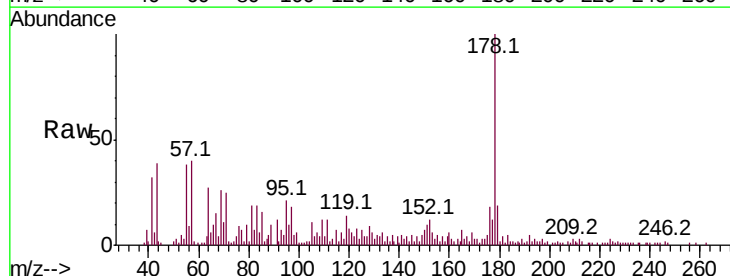
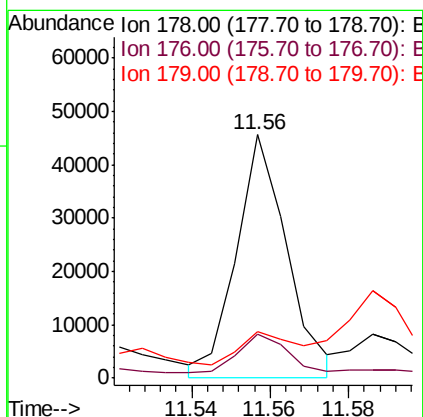
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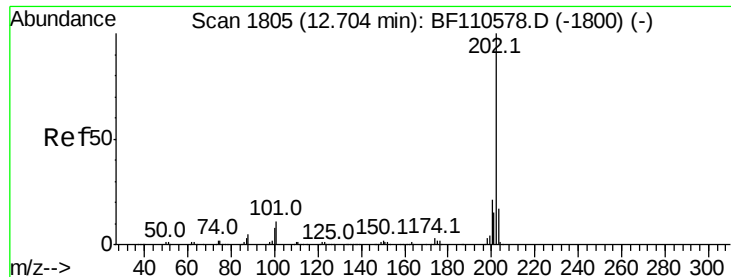
Sohil
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#72
Anthracene
Concen: 2.638 ng m
RT: 11.56 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF110763.D
Acq: 14 Nov 2018 14:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	19.3	12.6	18.8#





#75

Fluoranthene

Concen: 5.978 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110763.D

Acq: 14 Nov 2018 14:44

Instrument :

BNA_F

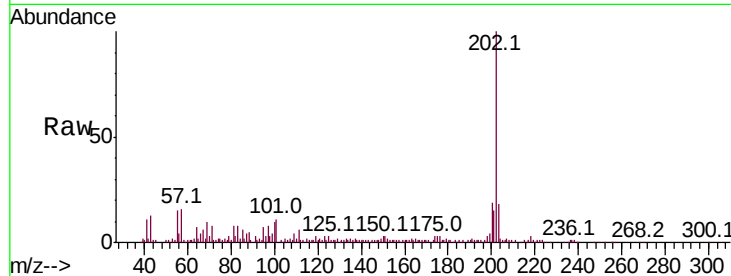
ClientSampleId :

FDSB-09(10-12)

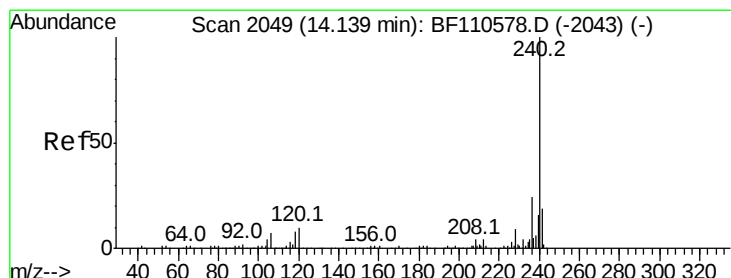
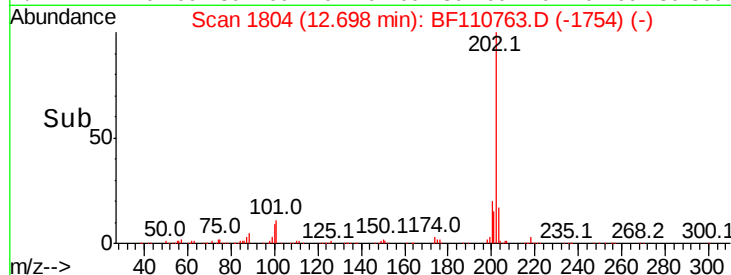
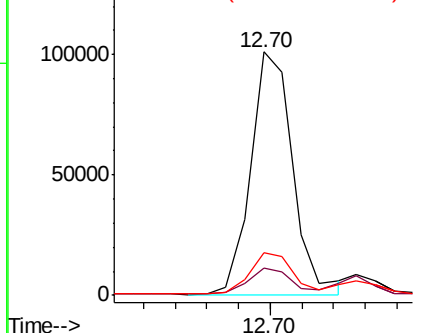
Tot Ion:	202	Resp:	92371
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	31.4
203	17.5	0.0	37.7

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

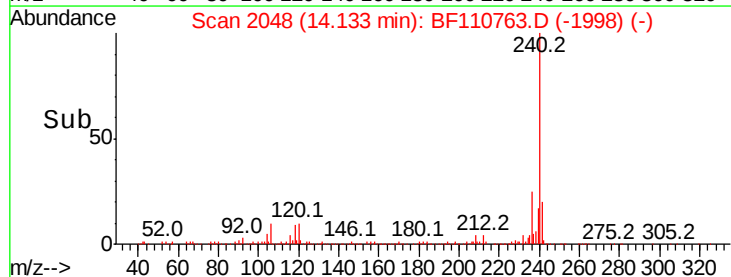
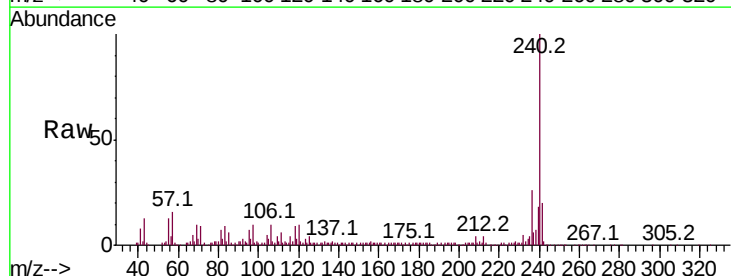
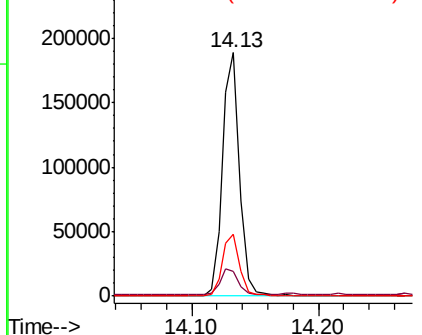
Delta R.T. -0.01 min

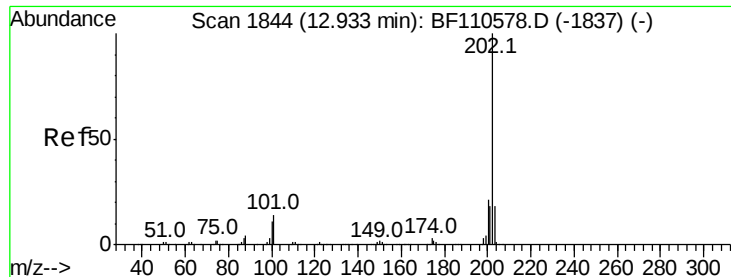
Lab File: BF110763.D

Acq: 14 Nov 2018 14:44

Tgt Ion:	240	Resp:	176509
Ion Ratio	Lower	Upper	
240	100		
120	10.4	8.3	12.5
236	25.6	21.2	31.8

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





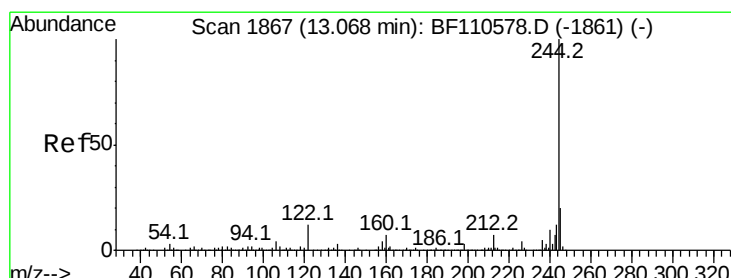
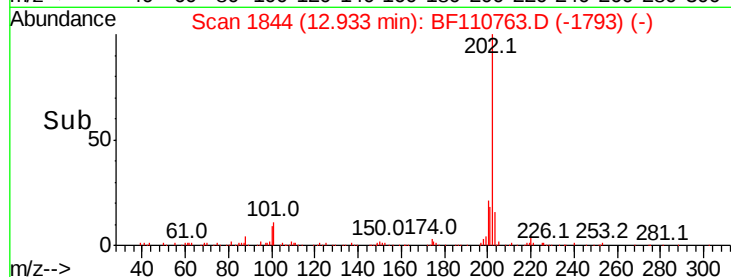
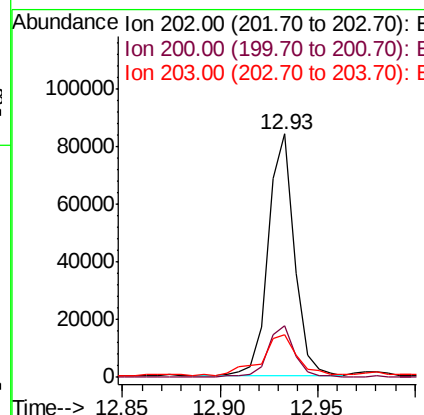
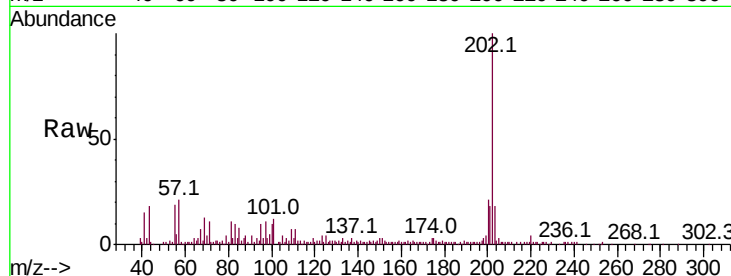
#78
Pvrene
Concen: 5.758 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110763.D
Acq: 14 Nov 2018 14:44

Instrument :
BNA_F
ClientSampleId :
FDSB-09(10-12)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.8	26.6
203	17.6	14.2	21.4

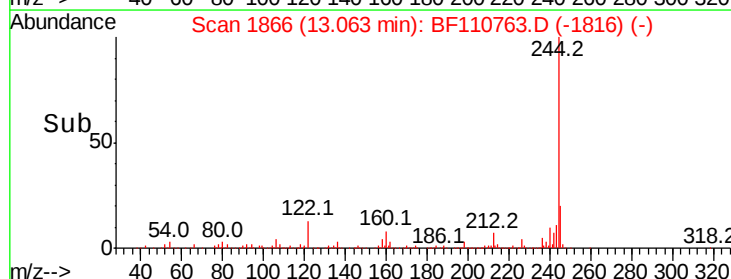
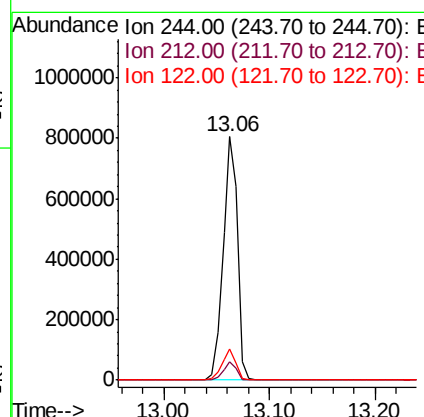
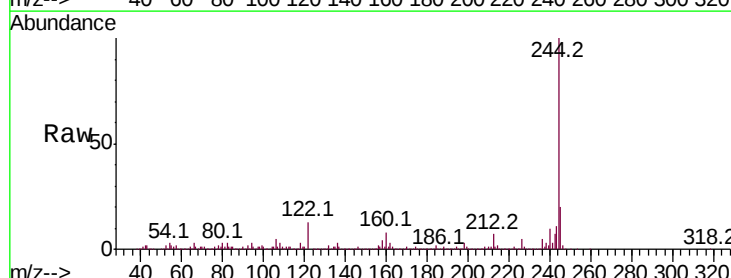
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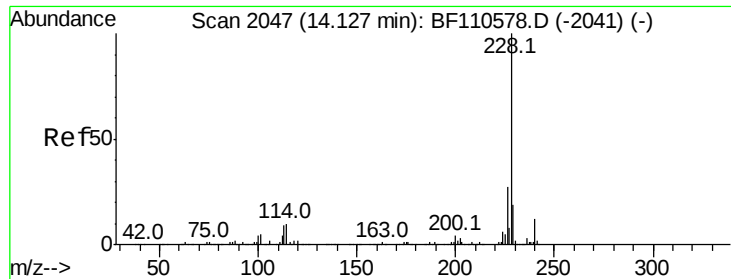
Sohil
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#79
Terphenyl-d14
Concen: 82.138 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF110763.D
Acq: 14 Nov 2018 14:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	13.0	8.7	13.1





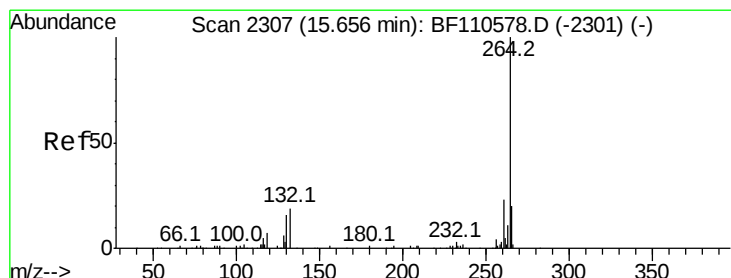
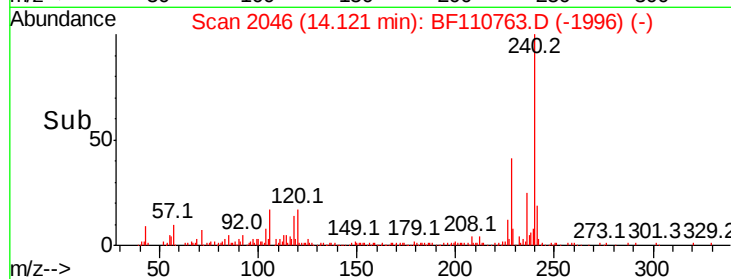
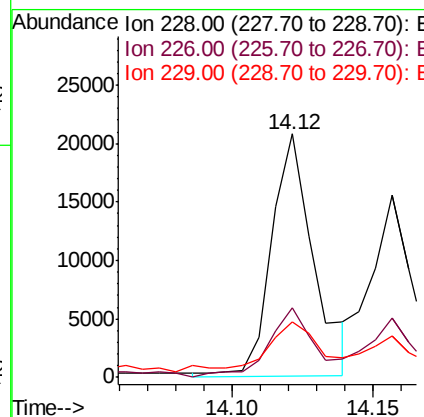
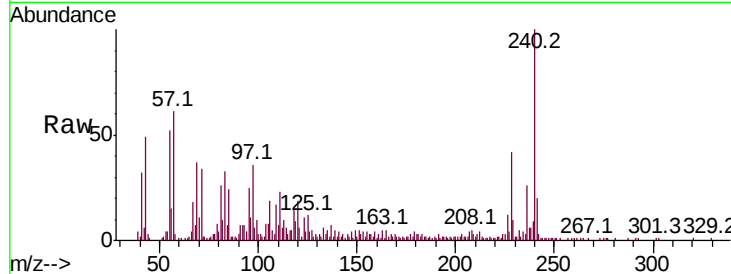
#81
Benzo(a)anthracene
Concen: 2.035 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110763.D
Acq: 14 Nov 2018 14:44

Instrument :
BNA_F
ClientSampleId :
FDSB-09(10-12)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.1	33.1
229	22.8	15.6	23.4

Manual Integrations
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF110763.D
Acq: 14 Nov 2018 14:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.7	28.1
265	22.8	16.7	25.1

