

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109096.D
 Acq On : 18 Sep 2018 15:33
 Operator : JU/SJ
 Sample : J4775-05 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-091418-A

Manual Integrations
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Quant Time: Sep 18 16:25:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	114379	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	426157	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	191631	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	324654	20.00	ng	0.00
75) Chrysene-d12	13.85	240	315519	20.00	ng	0.00
86) Perylene-d12	15.26	264	353480	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	192191	27.91	ng	0.00
7) Phenol-d6	6.34	99	244356	27.52	ng	-0.02
23) Nitrobenzene-d5	7.27	82	148230	19.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	47001	22.60	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	266507	21.79	ng	-0.01
78) Terphenyl-d14	12.81	244	218116	16.39	ng	0.00
Target Compounds						
57) Fluorene	10.30	166	25453	2.293	ng	98
70) Phenanthrene	11.25	178	233019	14.642	ng	98
71) Anthracene	11.30	178	69810	4.327	ng	96
74) Fluoranthene	12.44	202	316296	18.826	ng	98
77) Pyrene	12.66	202	339180	14.472	ng	99
80) Benzo(a)anthracene	13.84	228	186700	9.774	ng	97
82) Chrysene	13.88	228	159348	8.338	ng	97
85) Indeno(1,2,3-cd)pyrene	16.61	276	81625m	5.342	ng	
87) Benzo(b)fluoranthene	14.86	252	212069m	10.845	ng	
88) Benzo(k)fluoranthene	14.88	252	60629m	3.319	ng	
89) Benzo(a)pyrene	15.19	252	160546	9.245	ng	96
91) Benzo(a,h,i)perylene	17.01	276	74162	5.084	ng	# 92

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

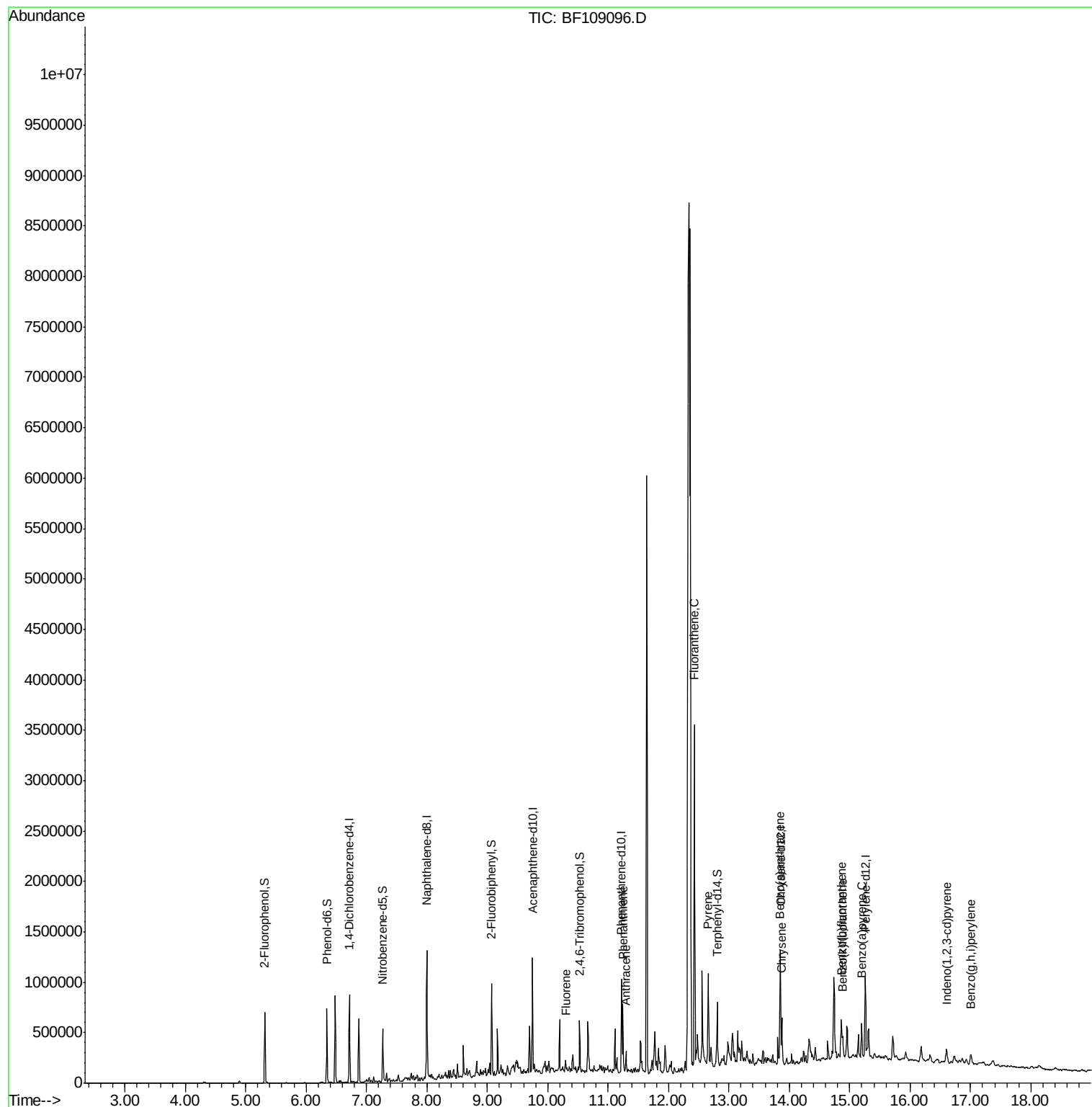
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
Data File : BF109096.D
Acq On : 18 Sep 2018 15:33
Operator : JU/SJ
Sample : J4775-05 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

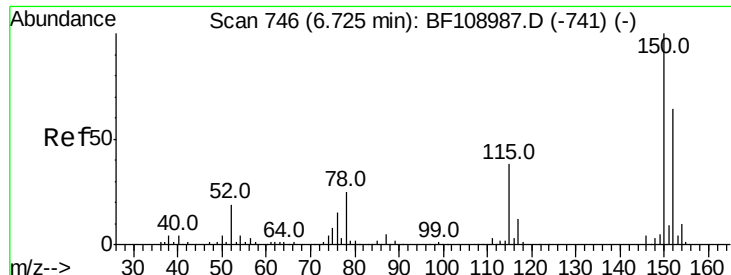
Instrument :
BNA_F
ClientSampleId :
OR-03-091418-A

Quant Time: Sep 18 16:25:50 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 14 13:26:52 2018
Response via : Initial Calibration

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#1

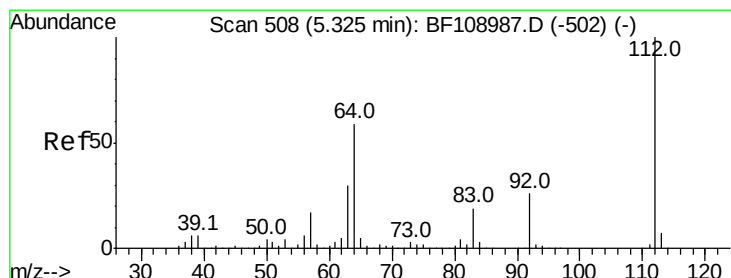
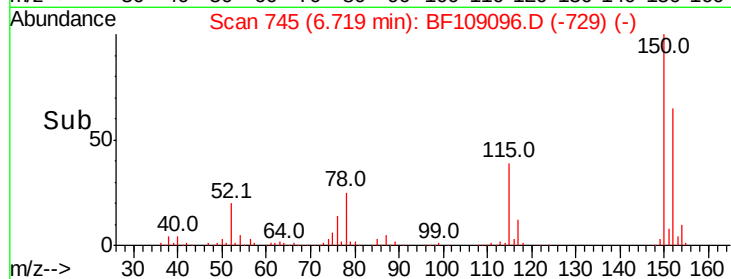
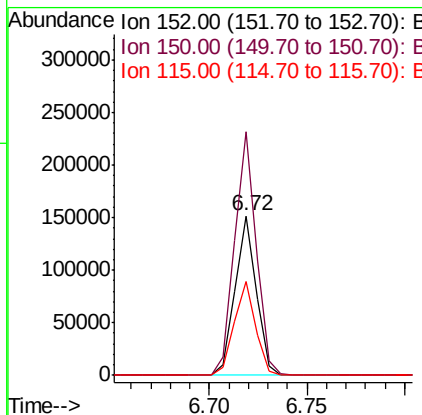
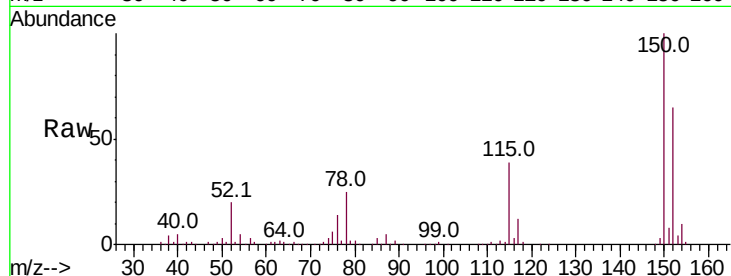
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109096.D
Acq: 18 Sep 2018 15:33

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.6	186.8
115	59.3	50.1	75.1

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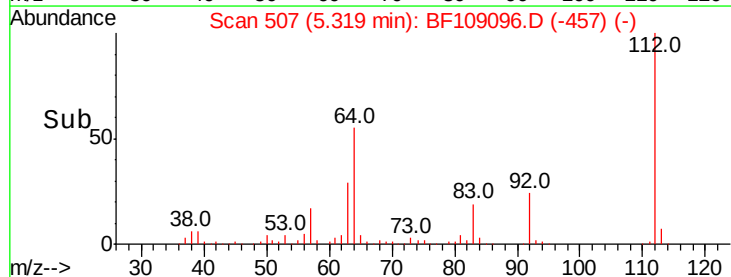
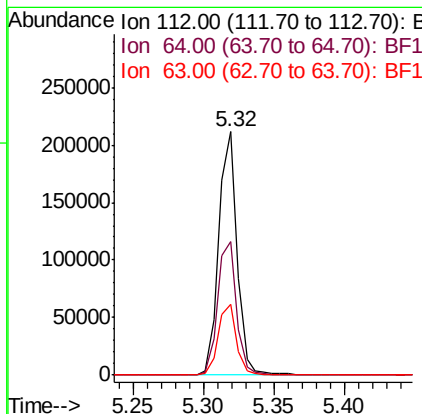
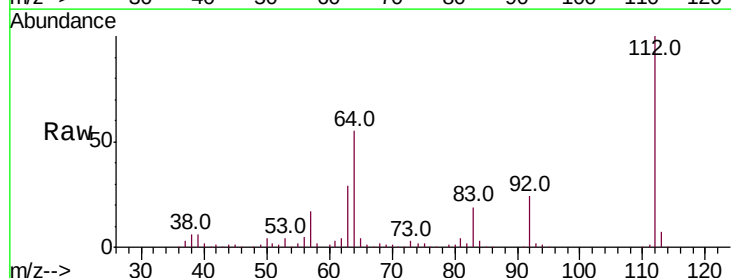
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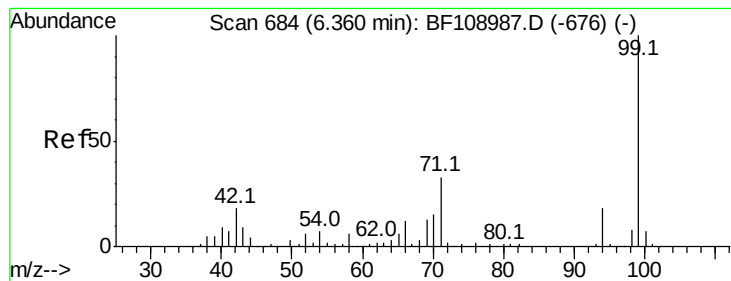


#5

2-Fluorophenol
Concen: 27.908 ng
RT: 5.32 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF109096.D
Acq: 18 Sep 2018 15:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	47.9	71.9
63	29.0	23.7	35.5





#7

Phenol-d6

Concen: 27.518 ng

RT: 6.34 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF109096.D

Acq: 18 Sep 2018 15:33

Instrument :

BNA_F

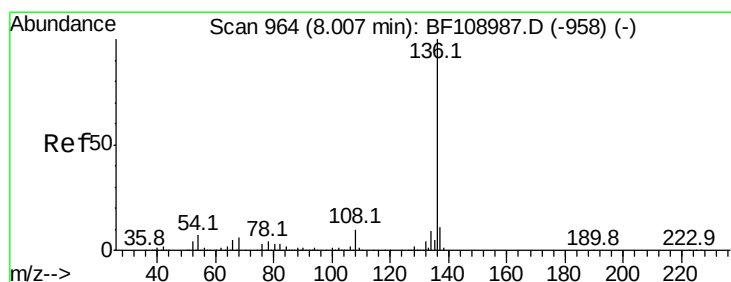
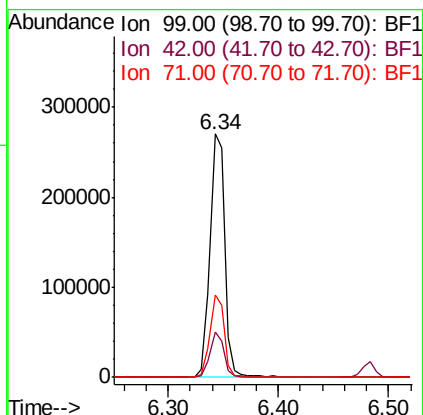
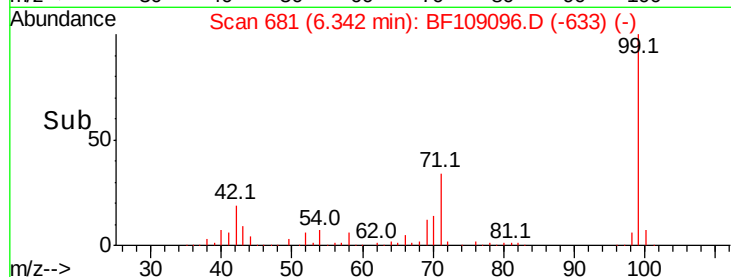
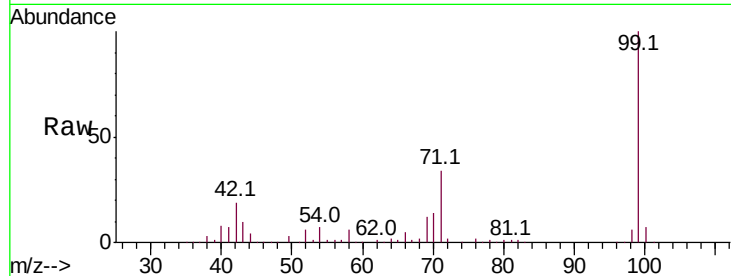
ClientSampled :

OR-03-091418-A

Tot Ion	Ratio	Resp	Lower	Upper
99	100	244356		
42	18.6	14.5	21.7	
71	33.9	25.4	38.0	

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#21

Naphthalene-d8

Concen: 20.000 ng

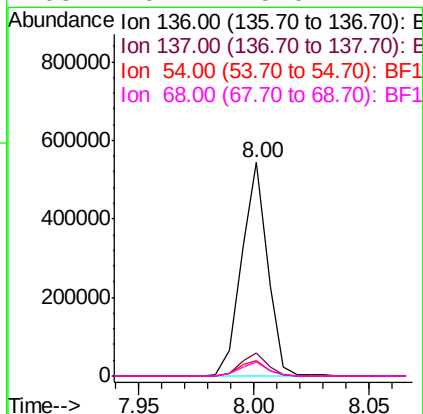
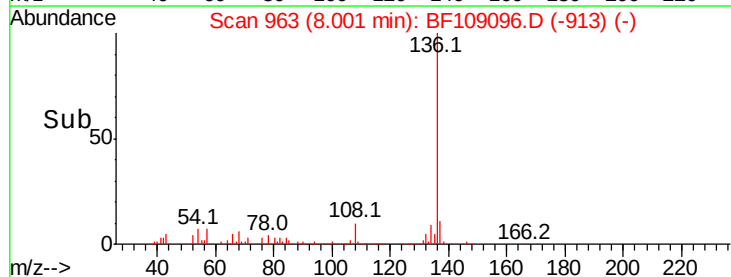
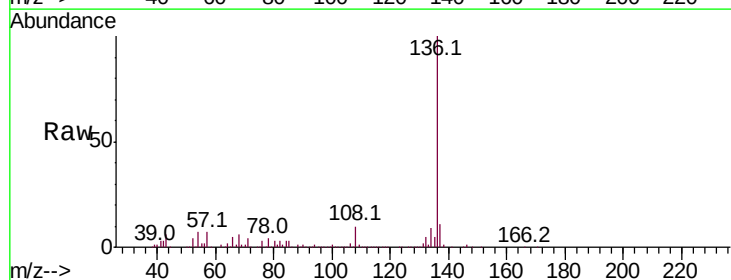
RT: 8.00 min Scan# 963

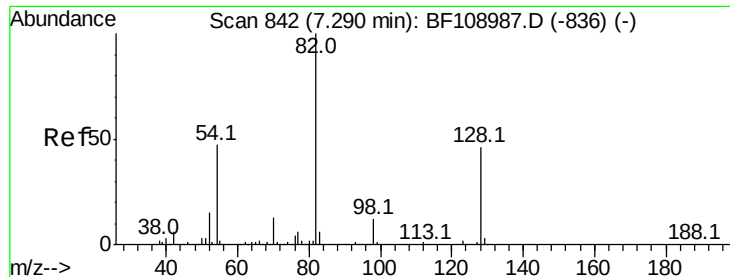
Delta R.T. -0.01 min

Lab File: BF109096.D

Acq: 18 Sep 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	426157		
137	10.7	8.9	13.3	
54	7.4	6.6	9.8	
68	6.4	5.0	7.4	





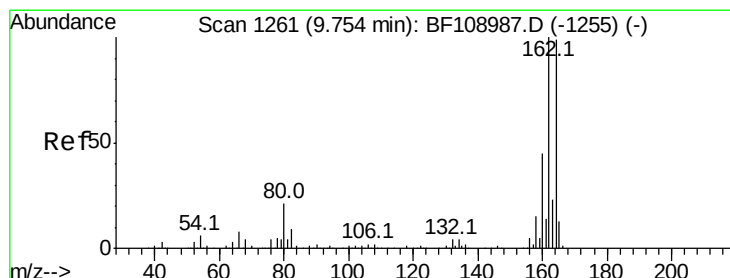
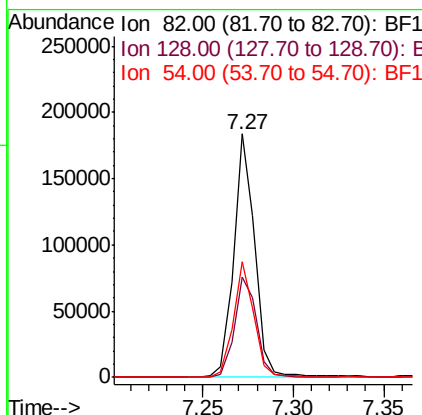
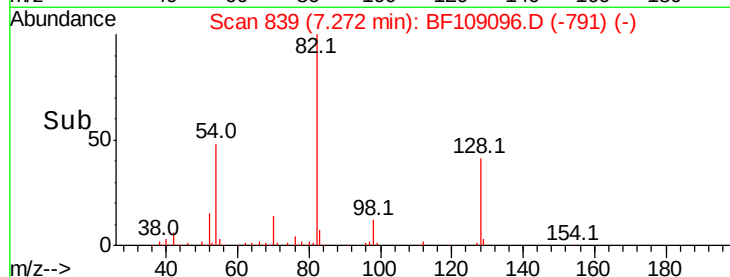
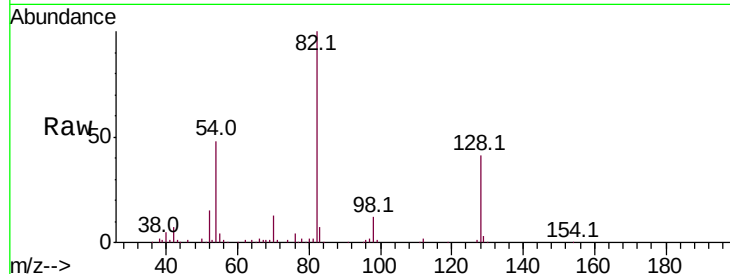
#23
Nitrobenzene-d5
Concen: 19.509 ng
RT: 7.27 min Scan# 839
Delta R.T. -0.02 min
Lab File: BF109096.D
Acq: 18 Sep 2018 15:33

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.0	36.1	54.1
54	47.5	41.4	62.2

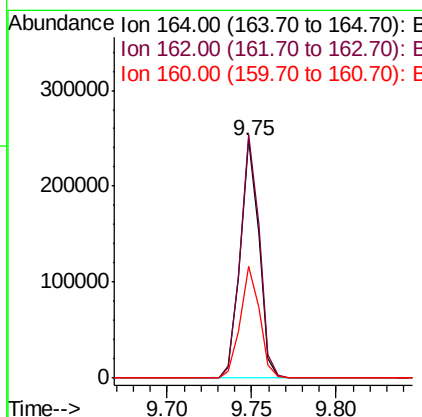
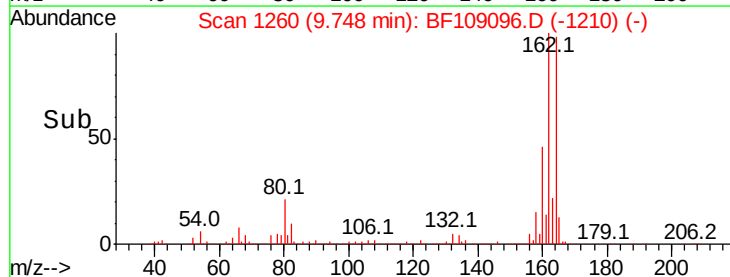
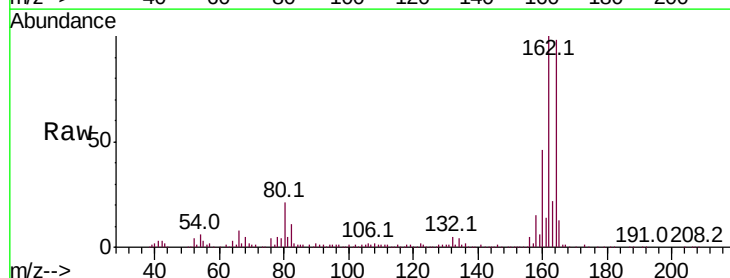
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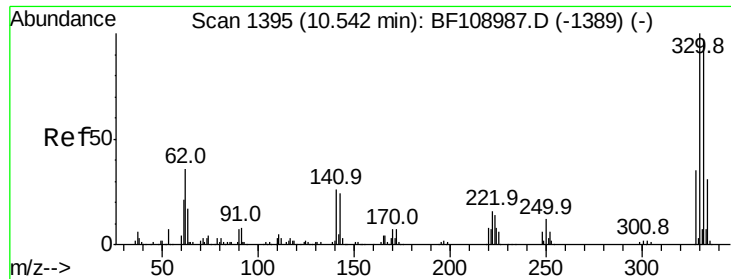
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF109096.D
Acq: 18 Sep 2018 15:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	46.7	38.3	57.5





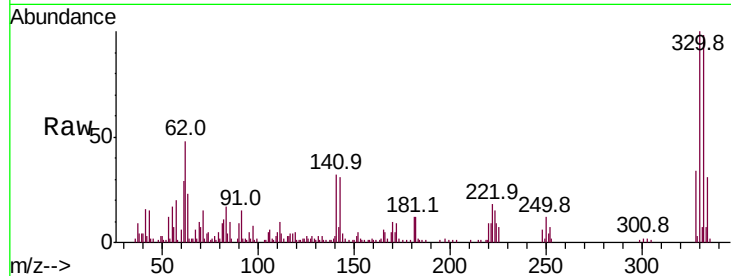
#41
 2,4,6-Tribromophenol
 Concen: 22.600 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF109096.D
 Acq: 18 Sep 2018 15:33

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-091418-A

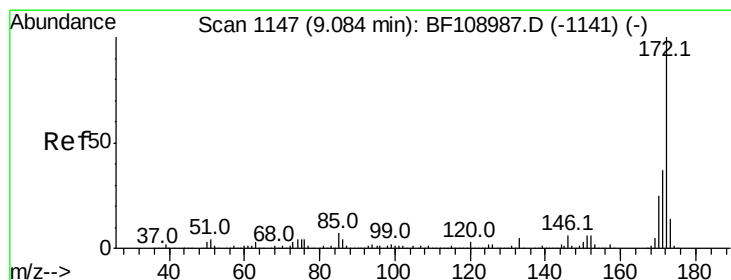
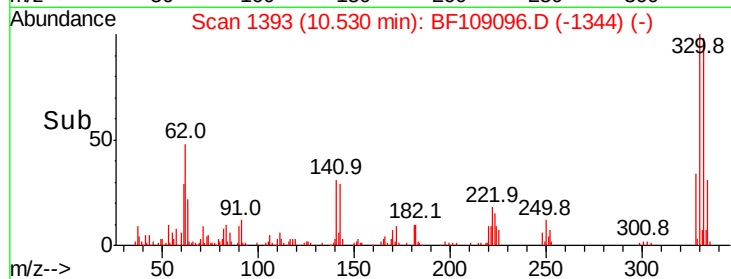
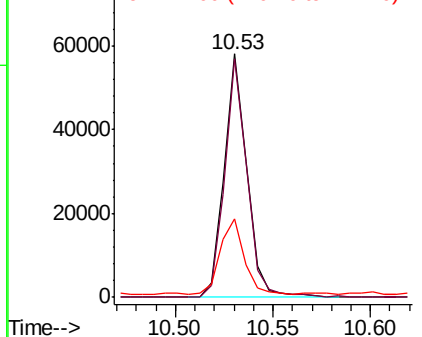
Tot Ion:	330	Resp:	47001
Ion Ratio	Lower	Upper	
330	100		
332	95.9	77.0	115.6
141	33.9	29.9	44.9

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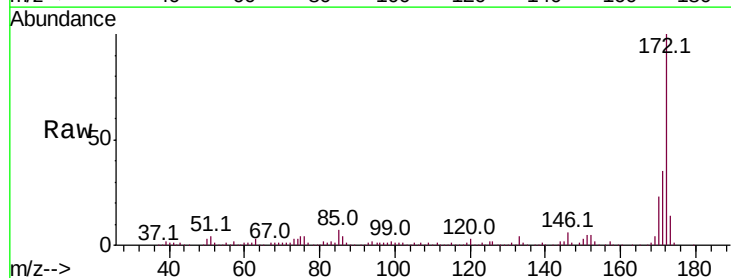


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

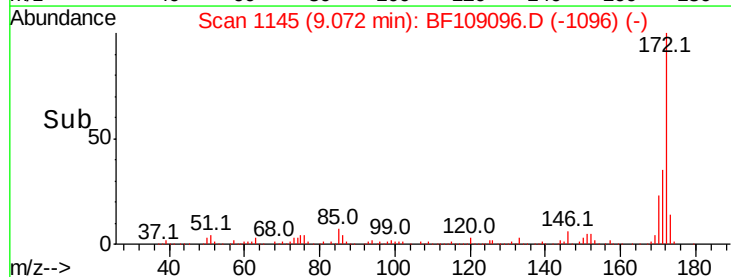
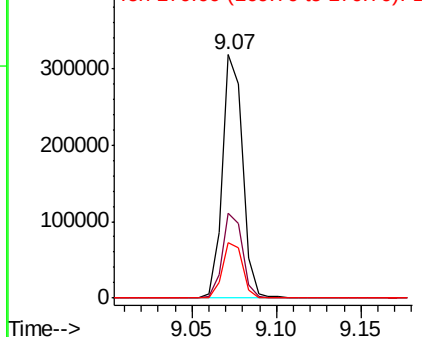


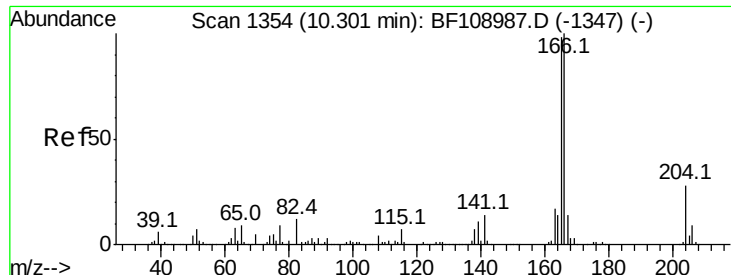
#44
 2-Fluorobiphenyl
 Concen: 21.789 ng
 RT: 9.07 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: BF109096.D
 Acq: 18 Sep 2018 15:33

Tgt Ion:	172	Resp:	266507
Ion Ratio	Lower	Upper	
172	100		
171	34.7	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





#57

Fluorene

Concen: 2.293 ng

RT: 10.30 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF109096.D

Acq: 18 Sep 2018 15:33

Instrument :

BNA_F

ClientSampleId :

OR-03-091418-A

Tot Ion:166 Resp: 25453

Ion Ratio Lower Upper

166 100

165 98.1 79.8 119.8

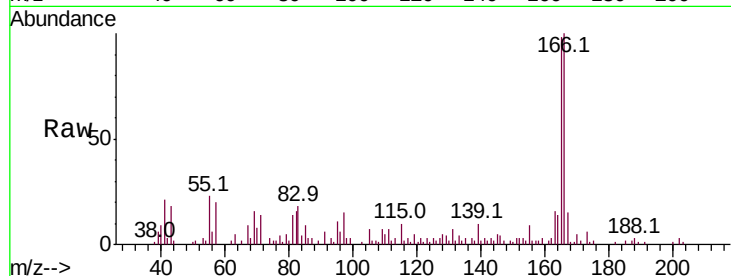
167 15.4 10.6 16.0

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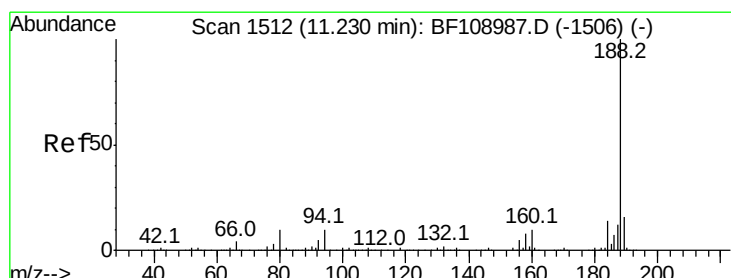
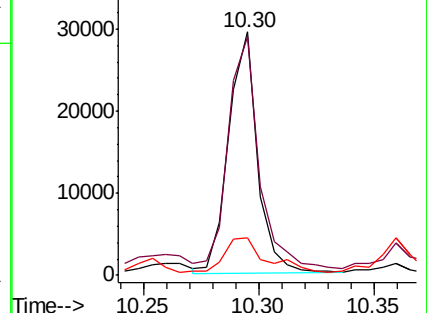
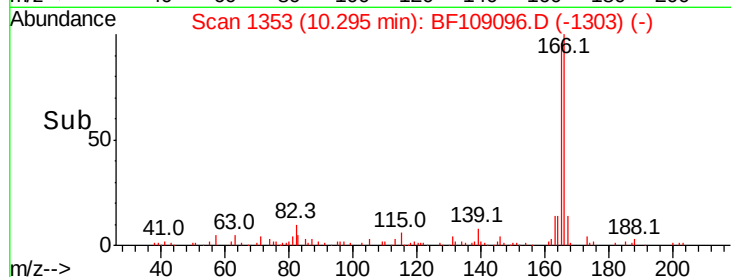
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BF109096.D

Acq: 18 Sep 2018 15:33

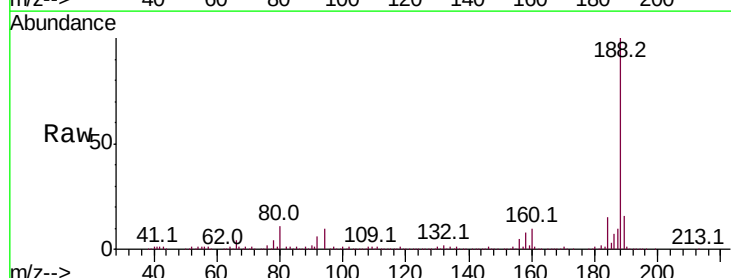
Tgt Ion:188 Resp: 324654

Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

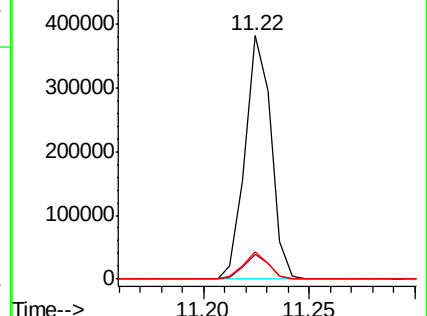
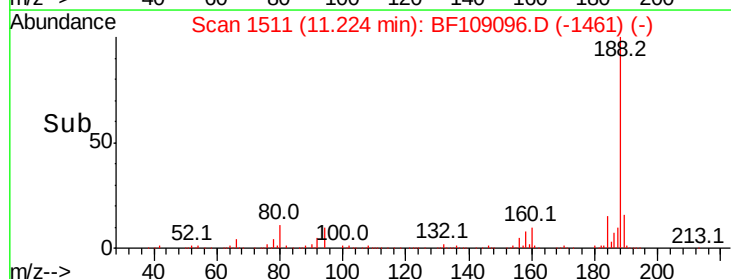
80 11.0 9.2 13.8

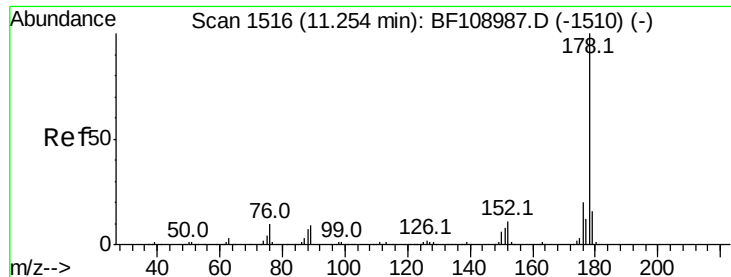


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





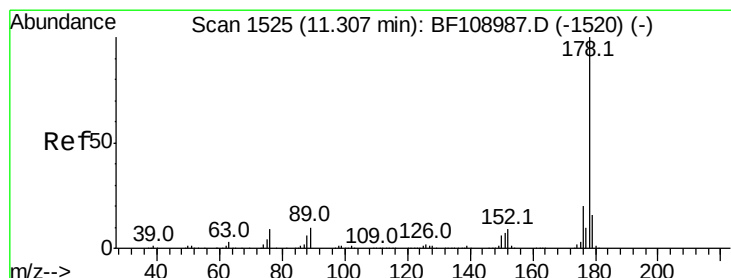
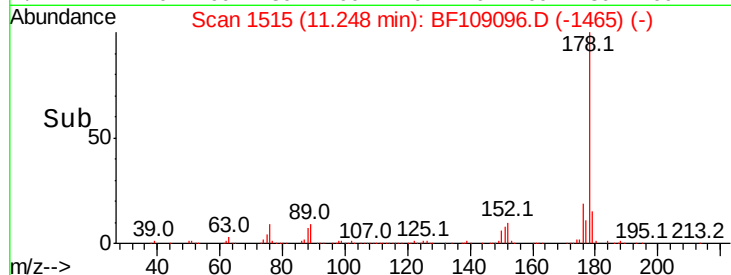
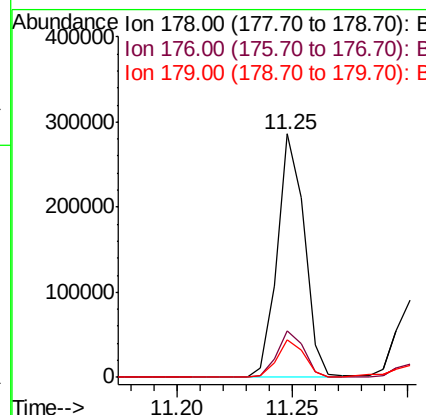
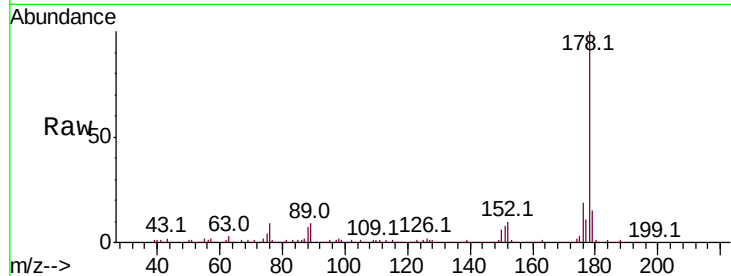
#70
Phenanthrene
Concen: 14.642 ng
RT: 11.25 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BF109096.D
Acq: 18 Sep 2018 15:33

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-A

Tot Ion	Ratio	Resp	Lower	Upper
178	100	233019		
176	19.0		15.8	23.8
179	15.3		13.0	19.6

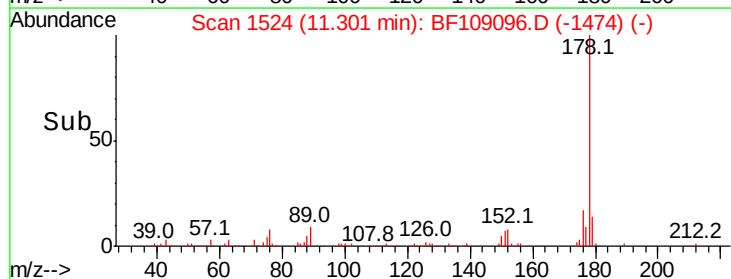
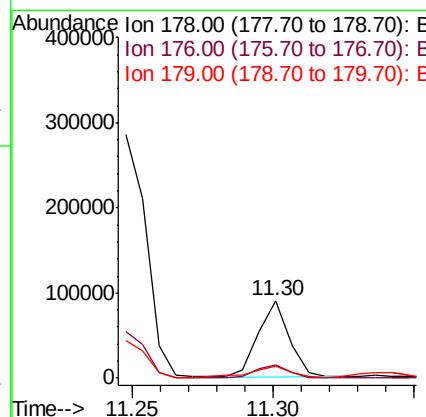
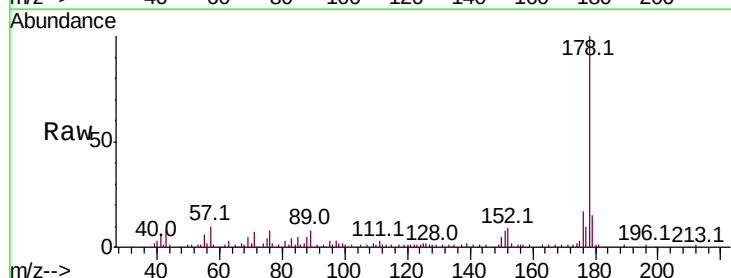
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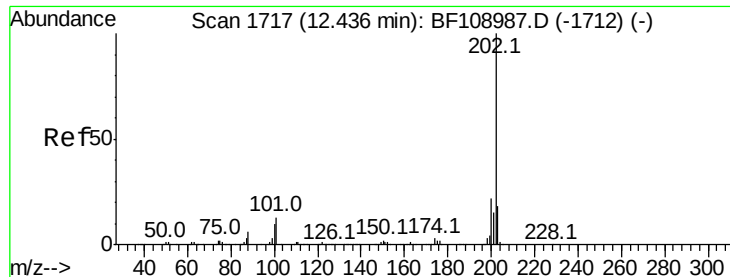
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#71
Anthracene
Concen: 4.327 ng
RT: 11.30 min Scan# 1524
Delta R.T. -0.01 min
Lab File: BF109096.D
Acq: 18 Sep 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	69810		
176	17.0		15.4	23.2
179	14.6		12.6	19.0





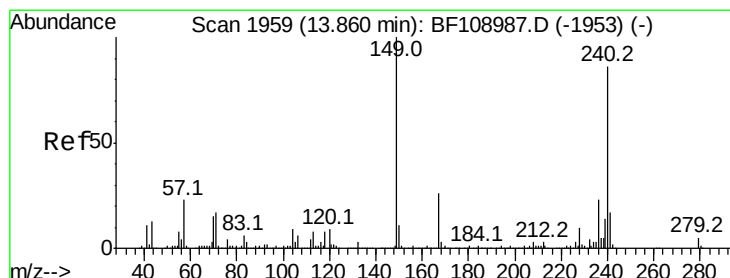
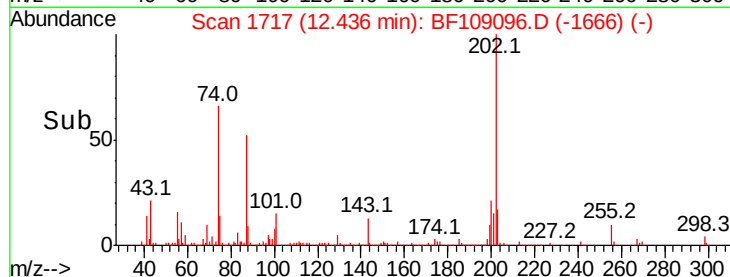
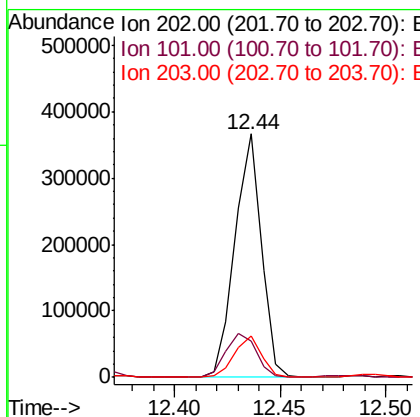
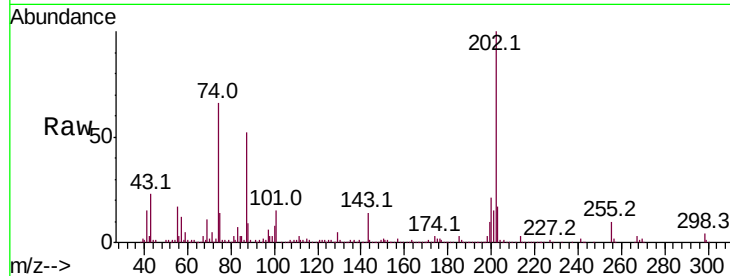
#74
 Fluoranthene
 Concen: 18.826 ng
 RT: 12.44 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: BF109096.D
 Acq: 18 Sep 2018 15:33

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-091418-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	14.7	0.0	34.1		
203	16.9	0.0	38.1		

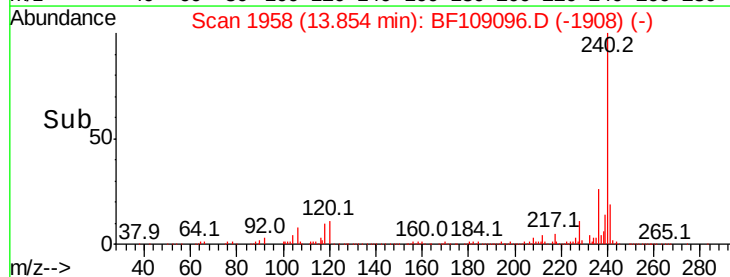
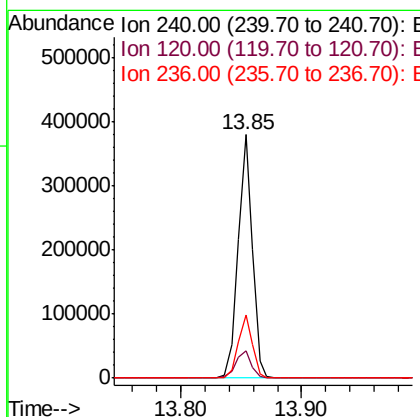
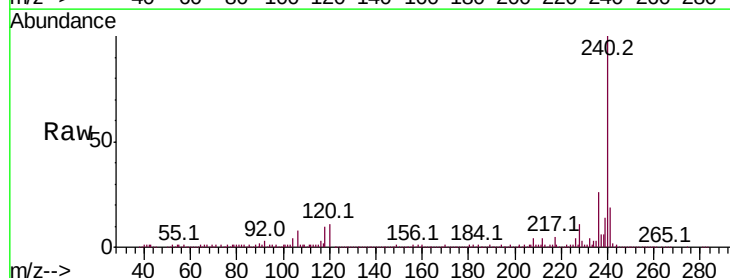
Manual Integrations
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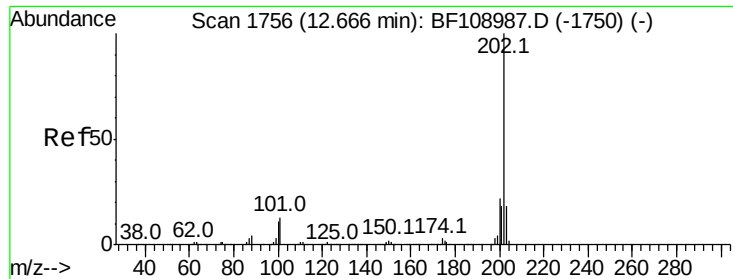
Sohil
 9/18/2018 6:19:06 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.85 min Scan# 1958
 Delta R.T. -0.01 min
 Lab File: BF109096.D
 Acq: 18 Sep 2018 15:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	11.4	9.5	14.3		
236	25.8	20.7	31.1		





#77

Pvrene

Concen: 14.472 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109096.D

Acq: 18 Sep 2018 15:33

Instrument :

BNA_F

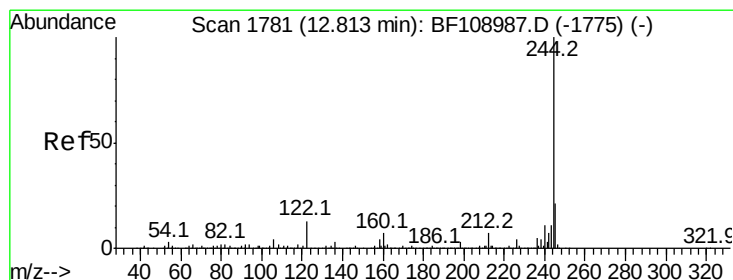
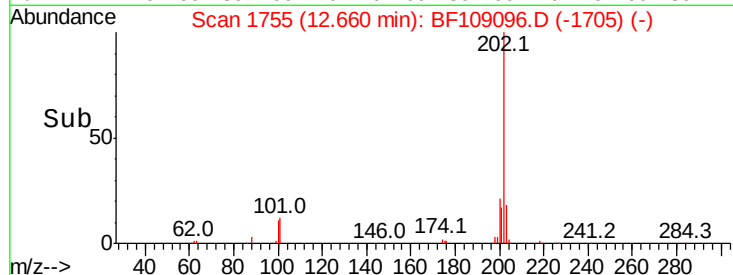
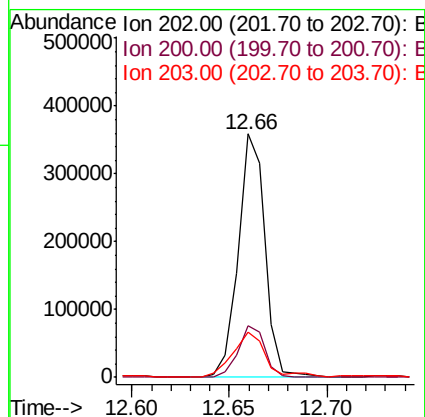
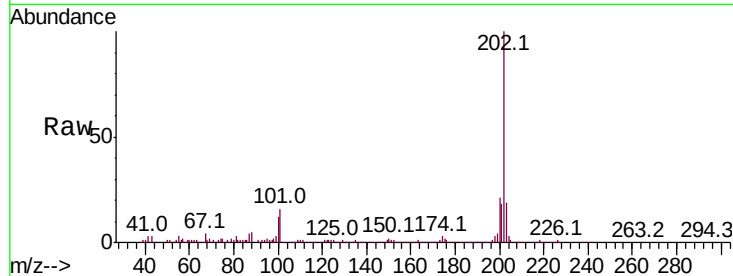
ClientSampleId :

OR-03-091418-A

Tot Ion:	202	Resp:	339180
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	18.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 16.385 ng

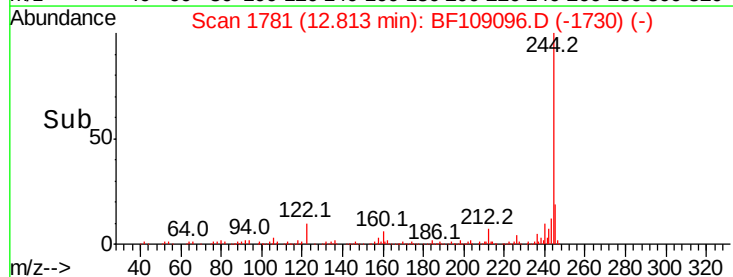
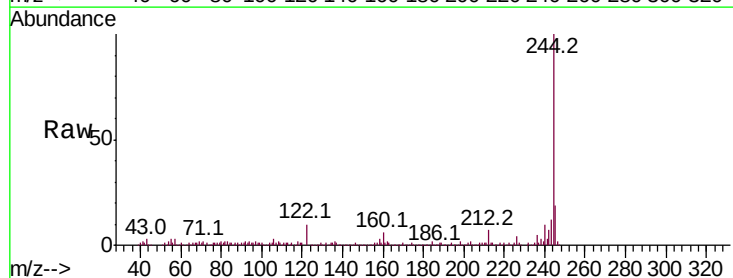
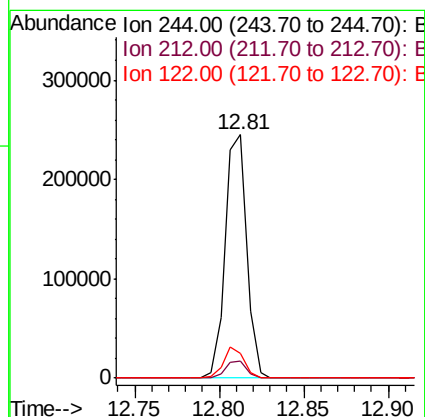
RT: 12.81 min Scan# 1781

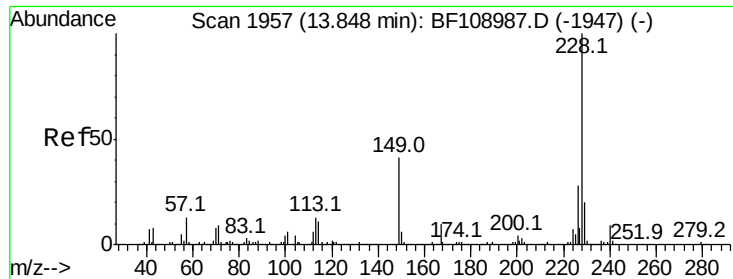
Delta R.T. -0.00 min

Lab File: BF109096.D

Acq: 18 Sep 2018 15:33

Tgt Ion:	244	Resp:	218116
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	10.3	11.0	16.4#





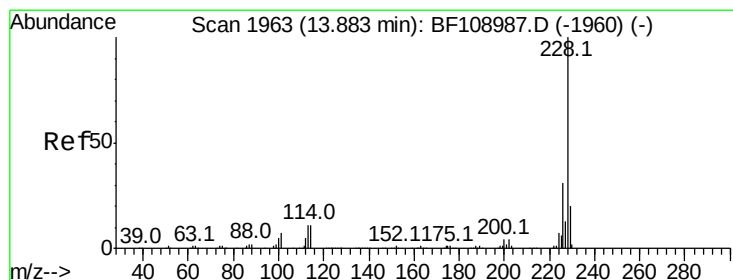
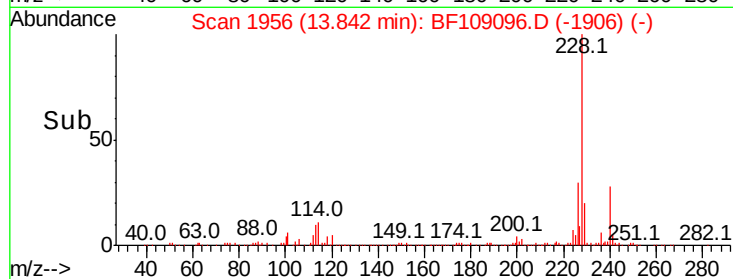
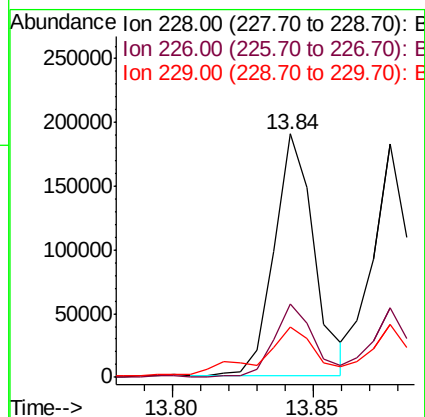
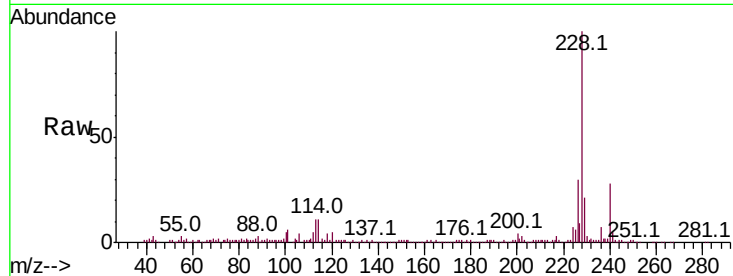
#80
Benzo(a)anthracene
Concen: 9.774 ng
RT: 13.84 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BF109096.D
Acq: 18 Sep 2018 15:33

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-A

Tot Ion	Ratio	Resp	Lower	Upper
228	100	186700		
226	29.9	22.6	33.8	
229	20.8	15.8	23.6	

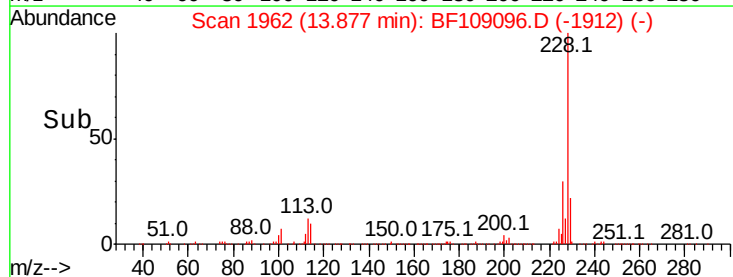
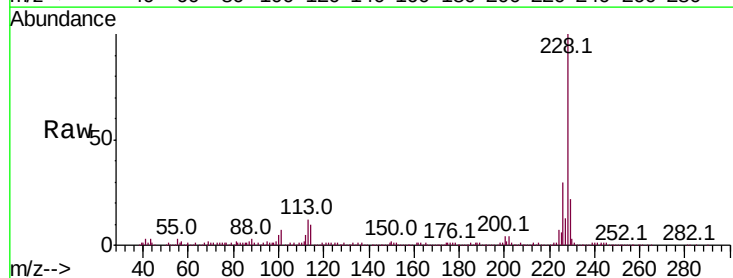
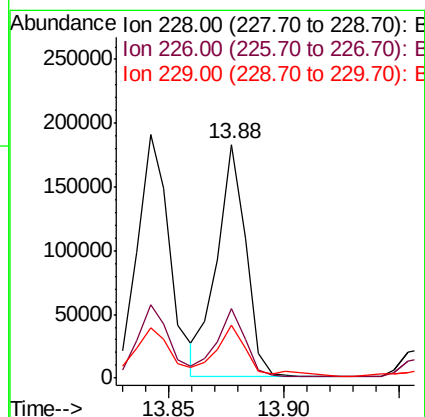
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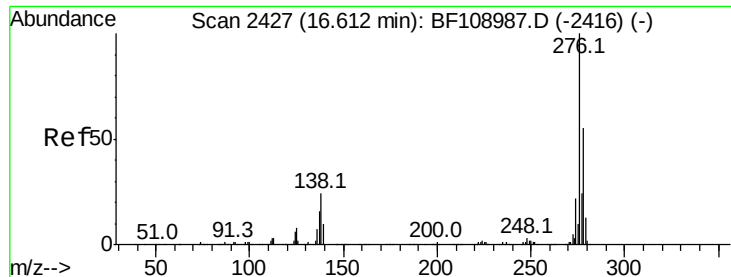
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#82
Chrysene
Concen: 8.338 ng
RT: 13.88 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF109096.D
Acq: 18 Sep 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	159348		
226	29.8	25.0	37.6	
229	22.4	16.2	24.4	





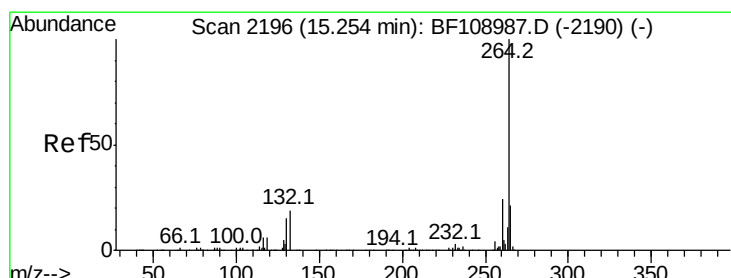
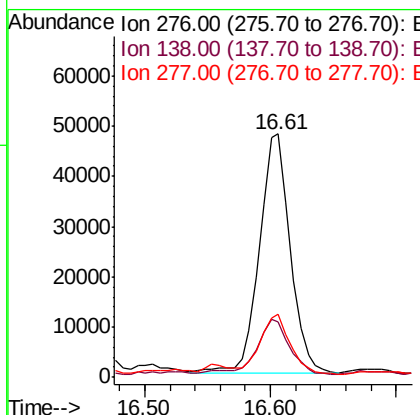
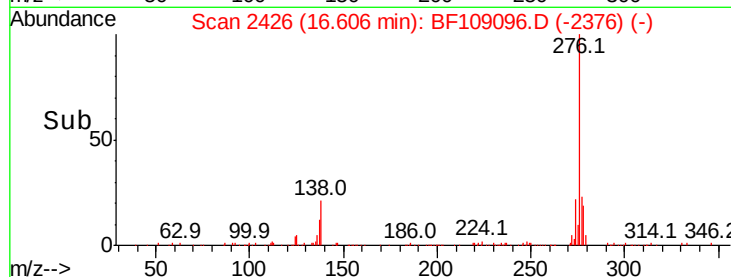
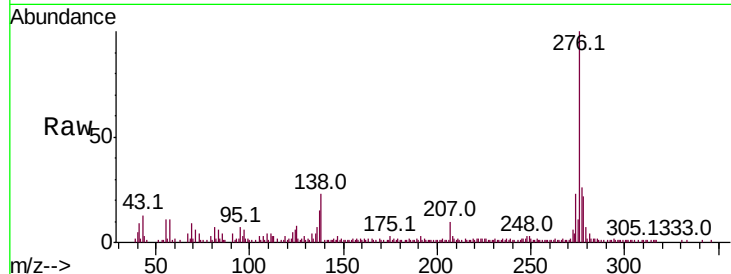
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.342 ng/ml
 RT: 16.61 min Scan# 2426
 Delta R.T. -0.01 min
 Lab File: BF109096.D
 Acq: 18 Sep 2018 15:33

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-091418-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.8	25.0	37.6#
277	5.0	20.1	30.1#

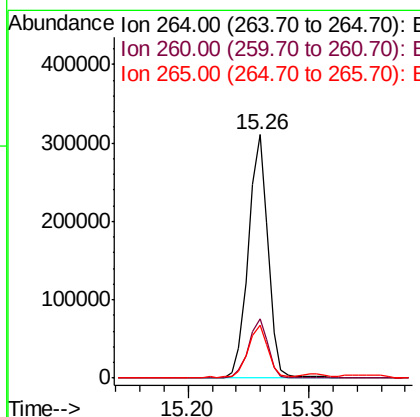
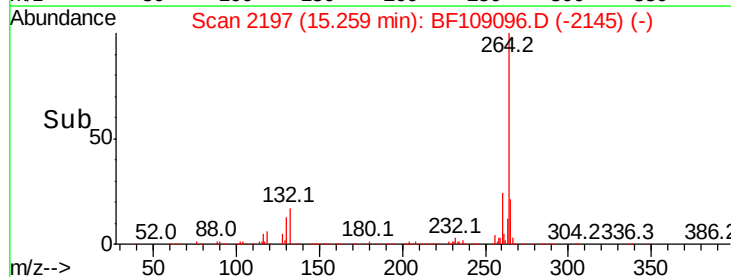
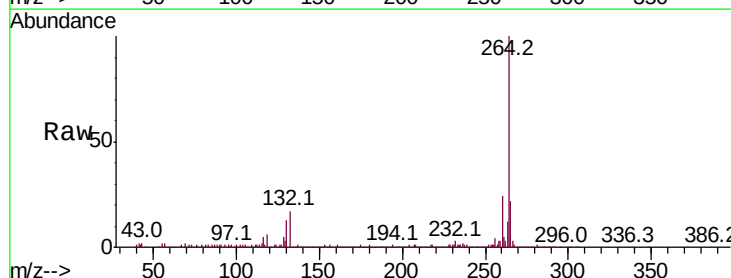
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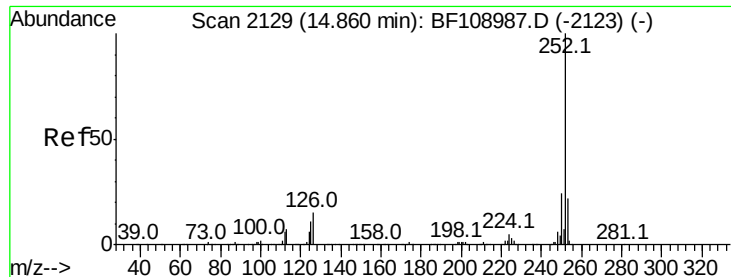
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: BF109096.D
 Acq: 18 Sep 2018 15:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.8	17.5	26.3





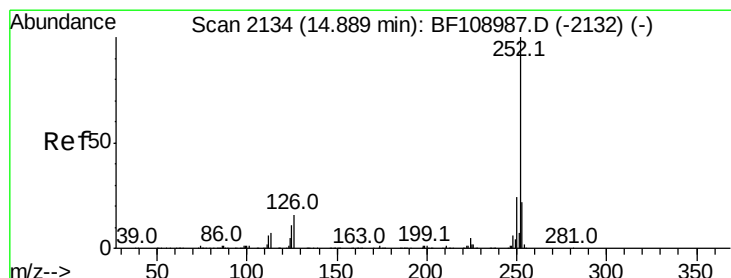
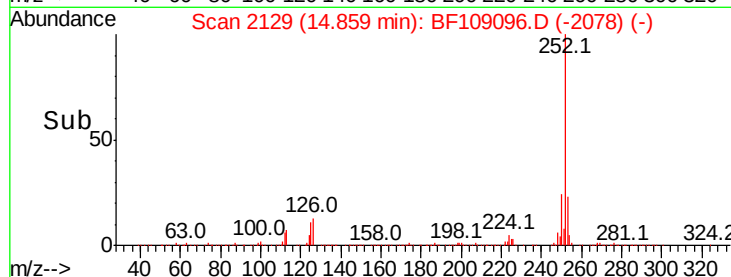
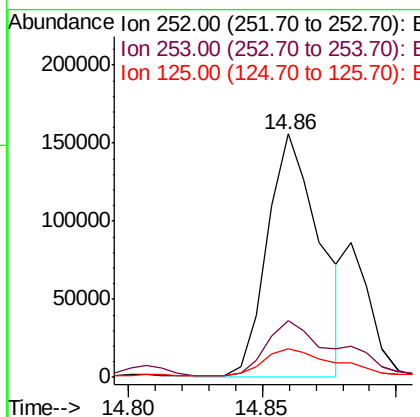
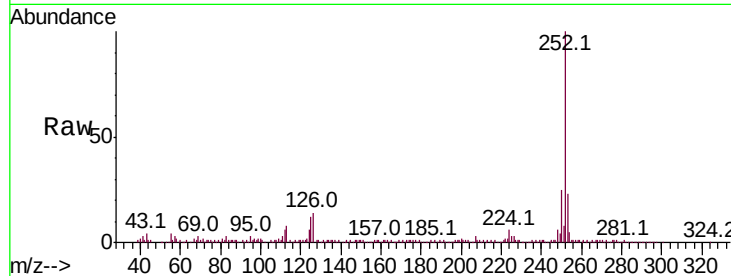
#87
Benzo(b)fluoranthene
Concen: 10.845 ng m
RT: 14.86 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BF109096.D
Acq: 18 Sep 2018 15:33

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	12.0	9.0	13.6

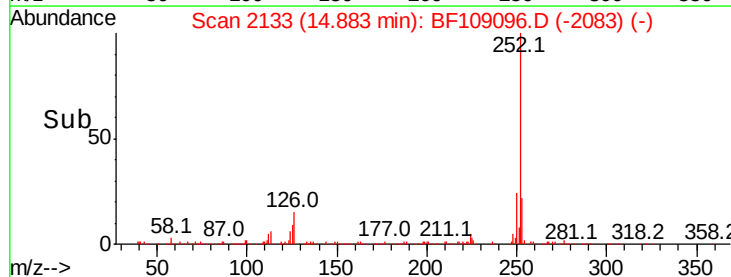
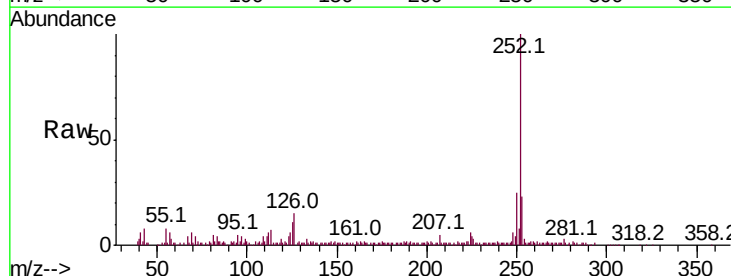
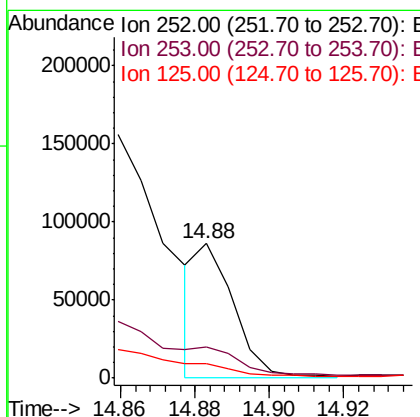
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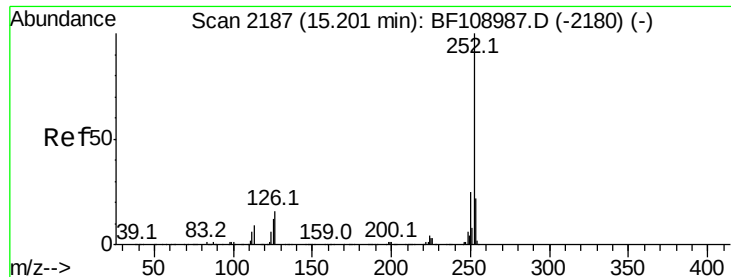
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#88
Benzo(k)fluoranthene
Concen: 3.319 ng m
RT: 14.88 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BF109096.D
Acq: 18 Sep 2018 15:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	10.8	10.2	15.2





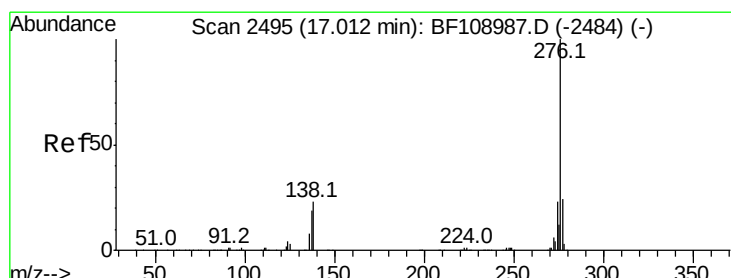
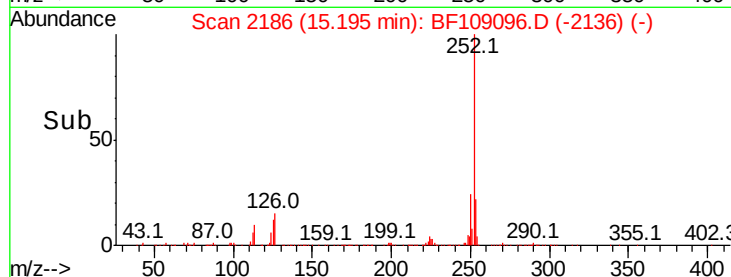
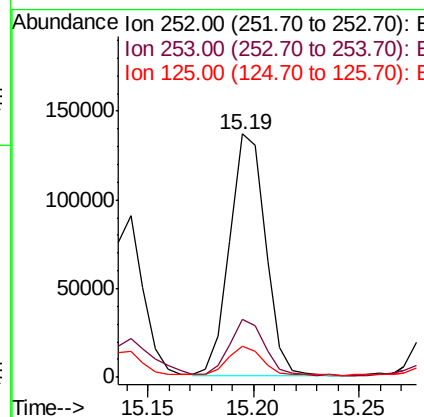
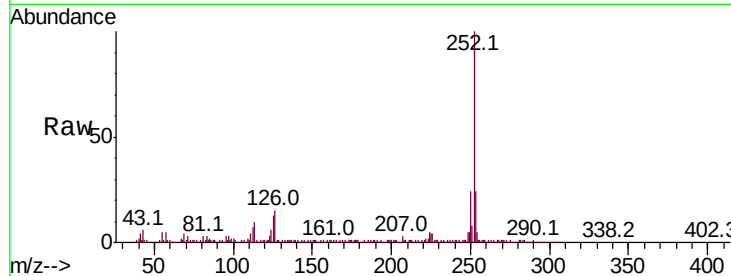
#89
Benzo(a)pyrene
Concen: 9.245 ng
RT: 15.19 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF109096.D
Acq: 18 Sep 2018 15:33

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	12.7	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.084 ng
RT: 17.01 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF109096.D
Acq: 18 Sep 2018 15:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	21.4	21.8	32.8#

