

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052820\
 Data File : BF120408.D
 Acq On : 28 May 2020 15:13
 Operator : MA/SJ
 Sample : L2771-17
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FOX-HILL-RD-1

Manual Integrations
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 5/29/2020 10:27:57 PM

Quant Time: May 28 16:20:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	276551	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1043485	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	538608	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	1012211	20.00	ng	0.00
76) Chrysene-d12	13.99	240	749835	20.00	ng	0.00
86) Perylene-d12	15.44	264	628292	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1306698	90.05	ng	0.00
7) Phenol-d6	6.46	99	1659466	92.78	ng	0.00
23) Nitrobenzene-d5	7.40	82	1054590	66.11	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	479133	96.01	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1991912	62.75	ng	0.00
79) Terphenyl-d14	12.94	244	2205528	65.45	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.59	163	255875	7.60	ng	99
71) Phenanthrene	11.38	178	246488	5.53	ng	97
75) Fluoranthene	12.56	202	311738	6.50	ng	98
78) Pyrene	12.79	202	396405	7.60	ng	97
81) Benzo(a)anthracene	13.98	228	134280m	3.34	ng	
83) Chrysene	14.02	228	178871	4.25	ng	97
88) Benzo(b)fluoranthene	15.02	252	105767m	3.03	ng	
90) Benzo(a)pyrene	15.37	252	72303	2.37	ng	100

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

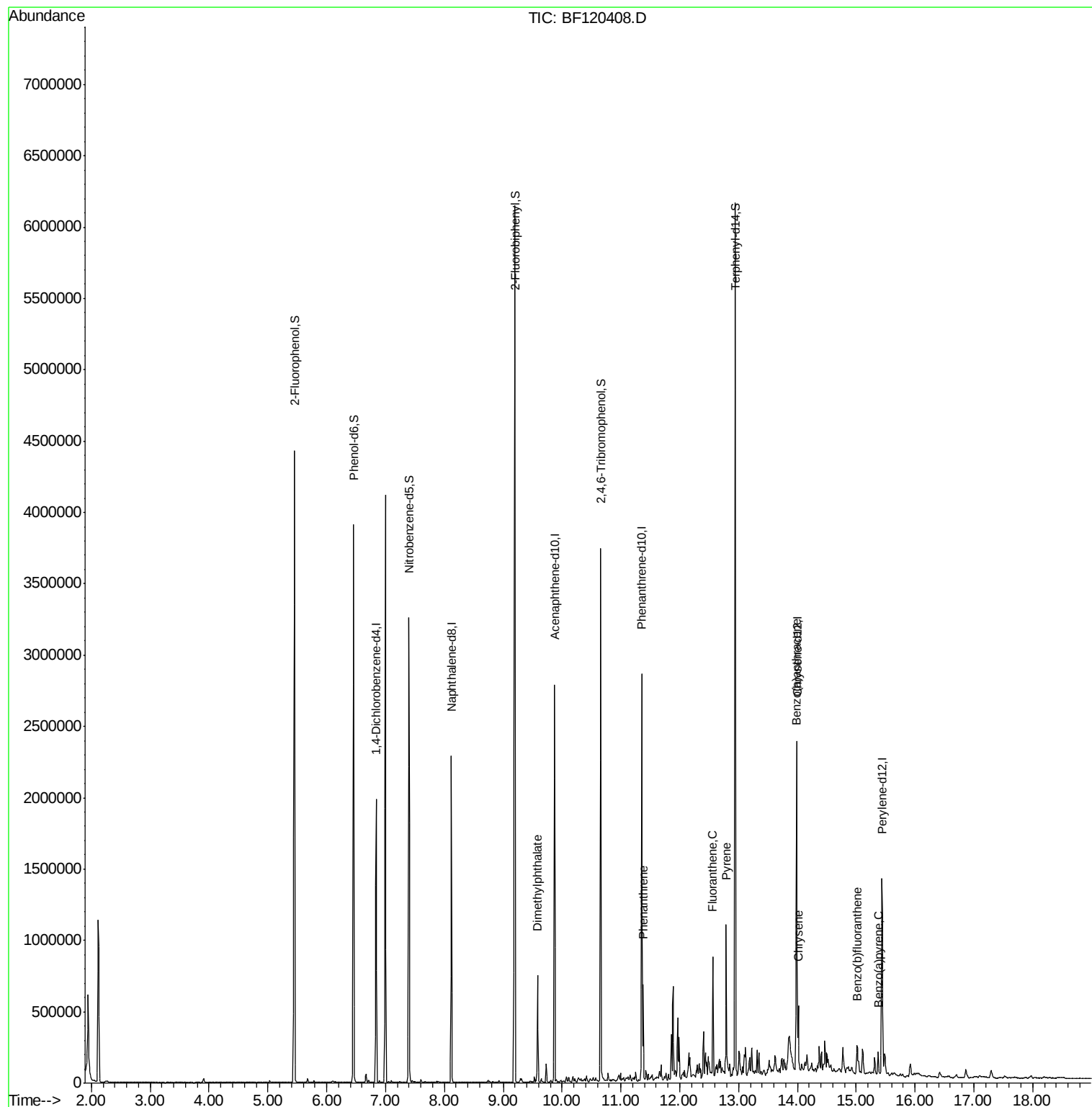
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ALS Vial : 4 Sample Multiplier: 1

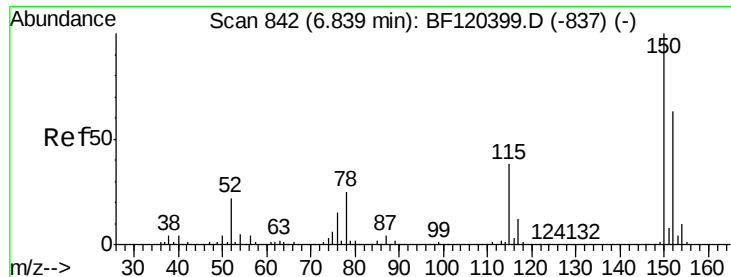
Instrument :
BNA_F
ClientSampleId :
FOX-HILL-RD-1

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#1

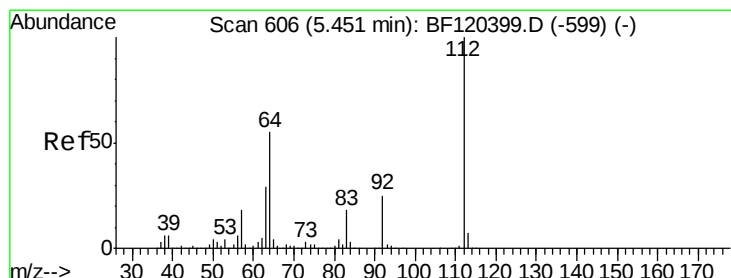
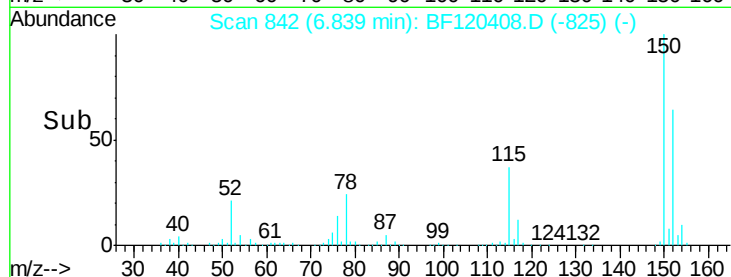
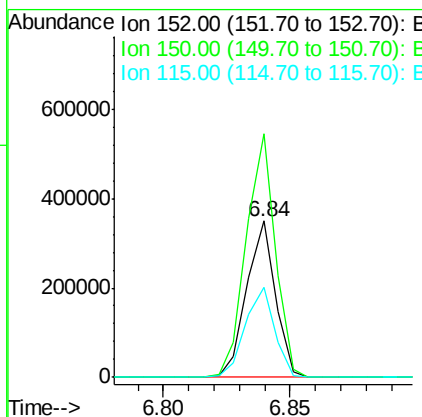
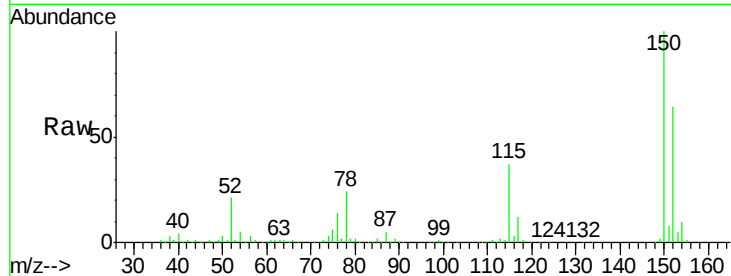
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120408.D
Acq: 28 May 2020 15:13

Instrument :
BNA_F
ClientSampleId :
FOX-HILL-RD-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.5	189.7
115	57.4	47.6	71.4

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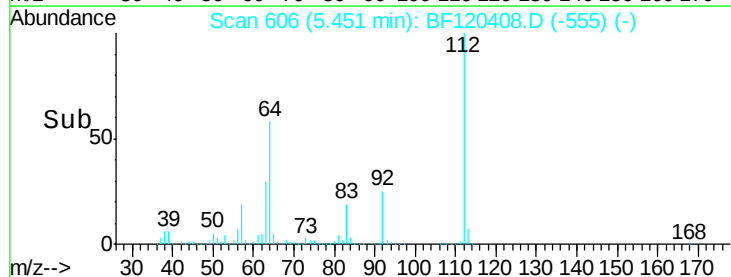
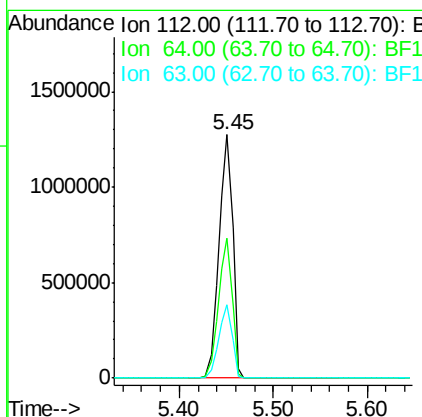
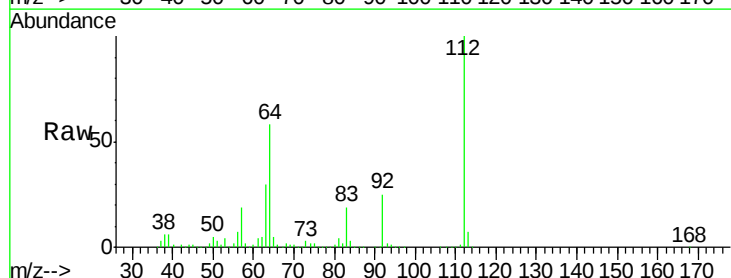
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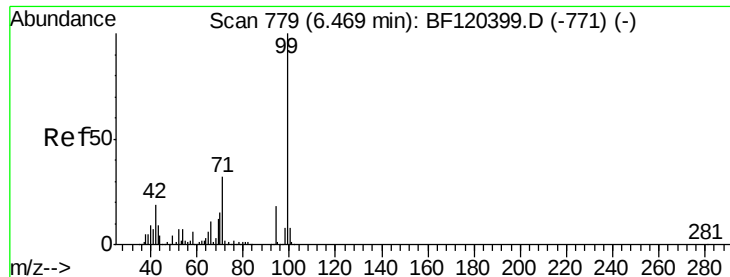


#5

2-Fluorophenol
Concen: 90.05 ng
RT: 5.45 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF120408.D
Acq: 28 May 2020 15:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	44.3	66.5
63	30.2	22.9	34.3





#7

Phenol-d6

Concen: 92.78 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120408.D

Acq: 28 May 2020 15:13

Instrument :

BNA_F

ClientSampleId :

FOX-HILL-RD-1

Tgt Ion: 99 Resp: 1659466

Ion Ratio Lower Upper

99 100

42 18.2 15.2 22.8

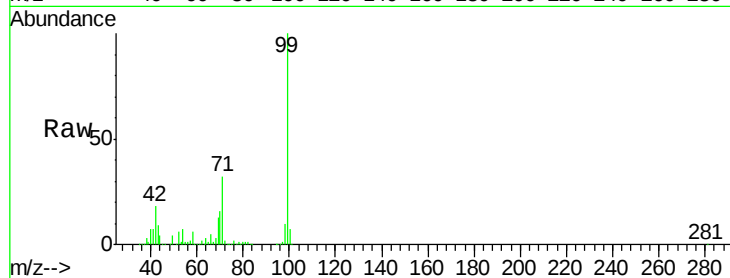
71 32.1 25.6 38.4

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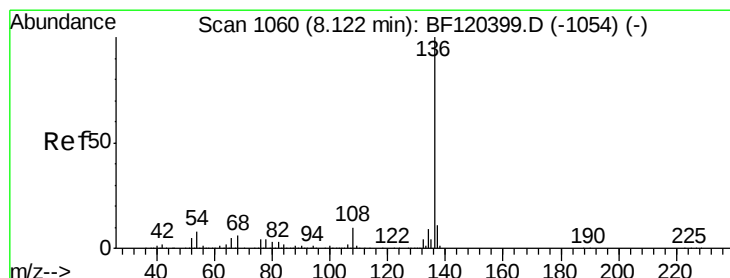
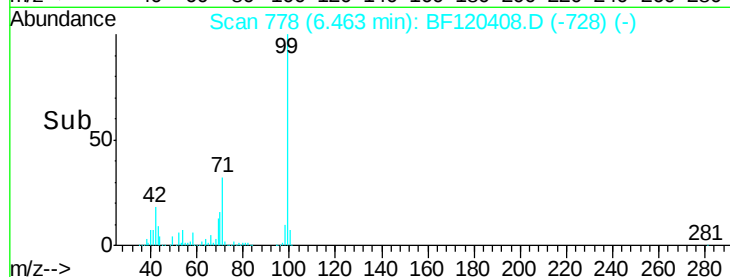
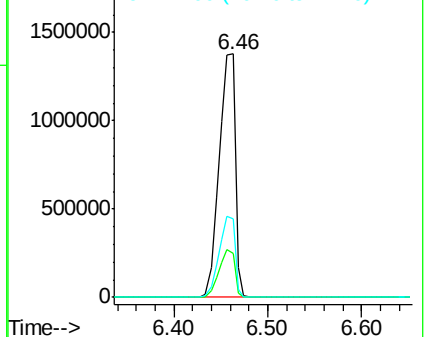
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BF120408.D

Acq: 28 May 2020 15:13

Tgt Ion: 136 Resp: 1043485

Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.3 6.7 10.1

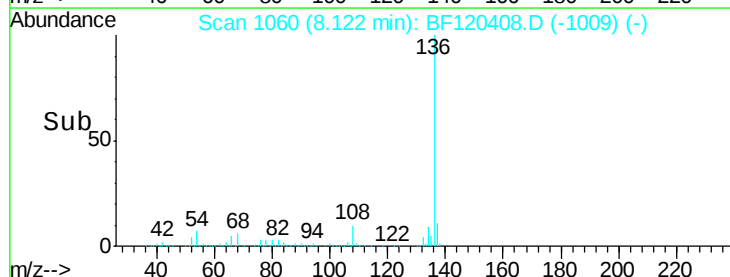
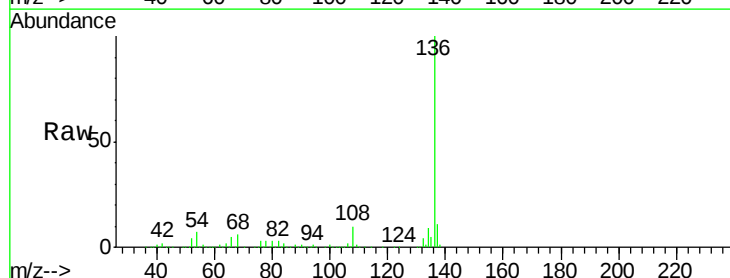
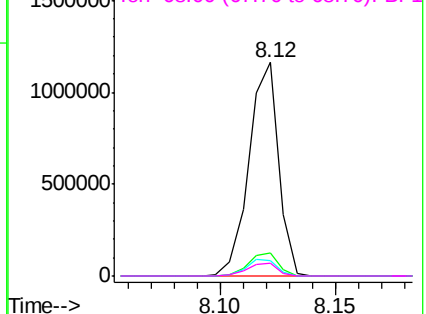
68 5.8 5.0 7.4

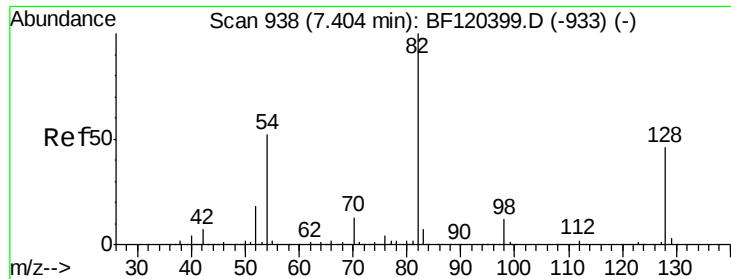
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





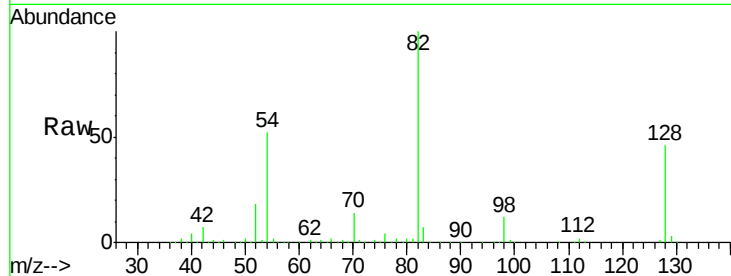
#23
Nitrobenzene-d5
Concen: 66.11 ng
RT: 7.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF120408.D
Acq: 28 May 2020 15:13

Instrument :
BNA_F
ClientSampleId :
FOX-HILL-RD-1

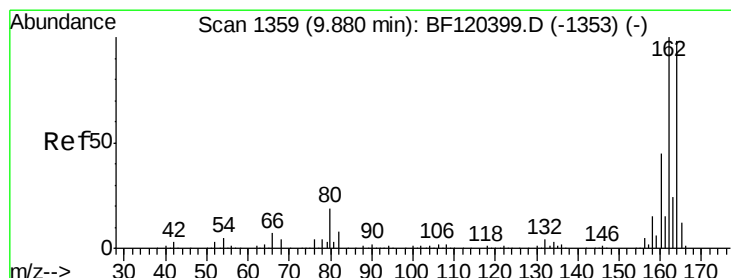
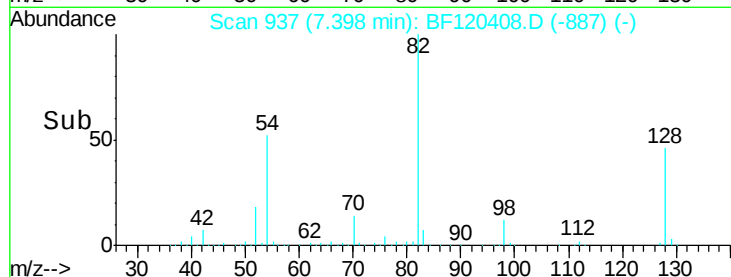
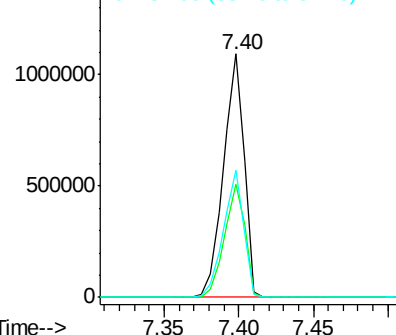
Tgt Ion: 82 Resp: 1054590
Ion Ratio Lower Upper
82 100
128 46.3 36.8 55.2
54 52.0 41.6 62.4

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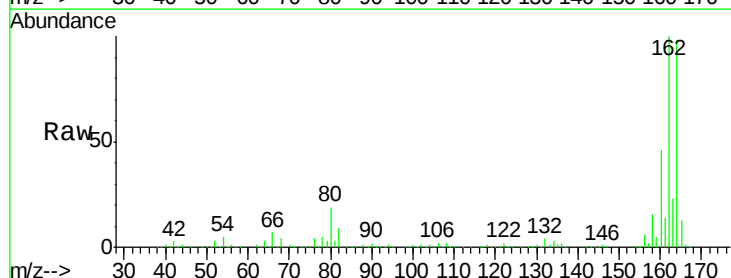


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

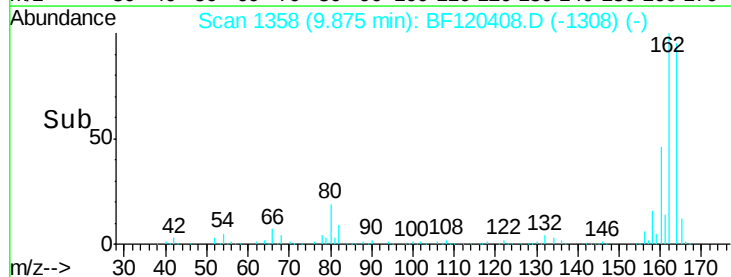
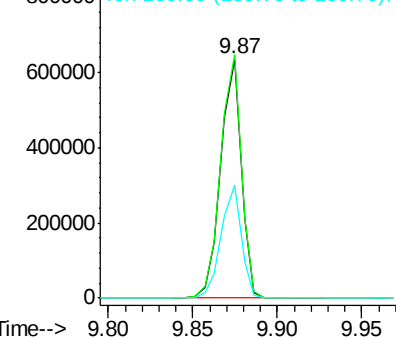


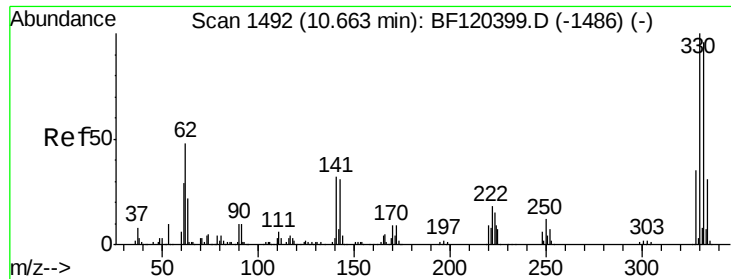
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.01 min
Lab File: BF120408.D
Acq: 28 May 2020 15:13

Tgt Ion: 164 Resp: 538608
Ion Ratio Lower Upper
164 100
162 102.0 81.3 121.9
160 47.1 36.9 55.3



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





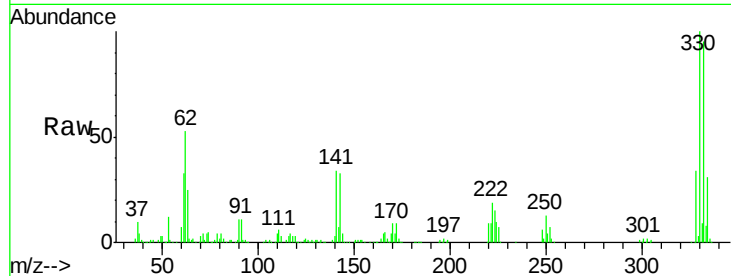
#42
 2,4,6-Tribromophenol
 Concen: 96.01 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120408.D
 Acq: 28 May 2020 15:13

Instrument :
 BNA_F
 ClientSampleId :
 FOX-HILL-RD-1

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	479133		
332	95.7	77.0	115.6	
141	32.1	25.3	37.9	

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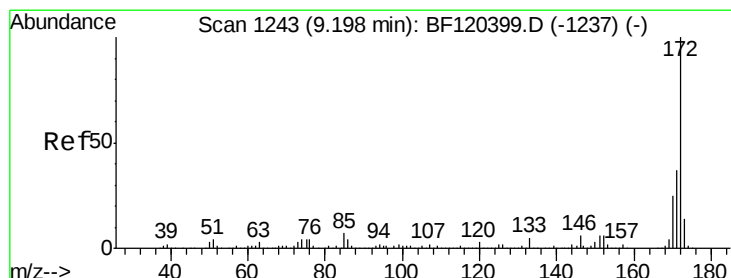
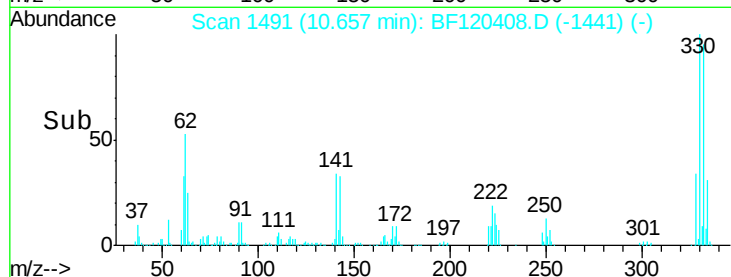
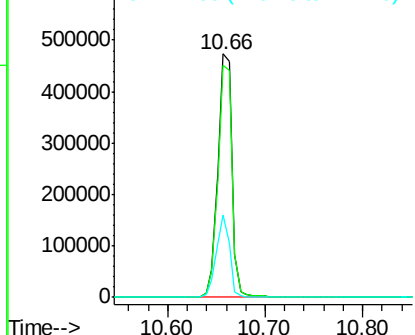


Abundance

Ion 329.80 (329.50 to 330.50): E

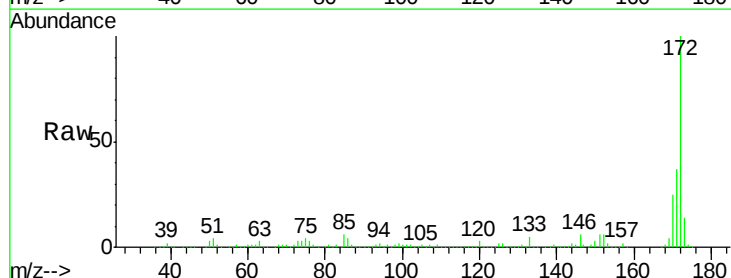
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 62.75 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120408.D
 Acq: 28 May 2020 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1991912		
171	36.7	29.7	44.5	
170	25.0	19.9	29.9	

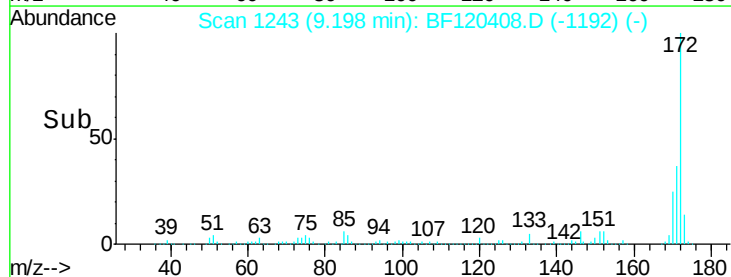
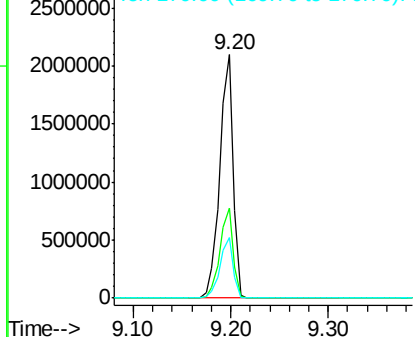


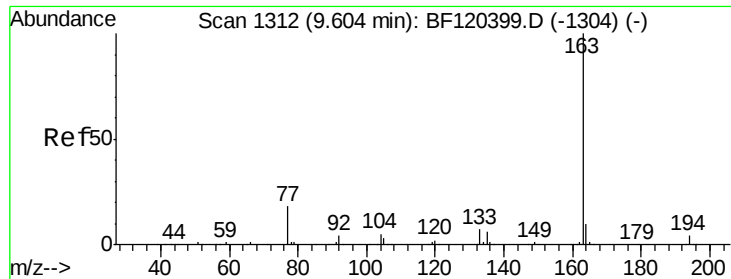
Abundance

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





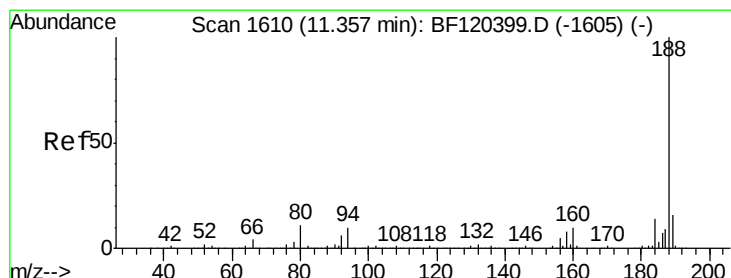
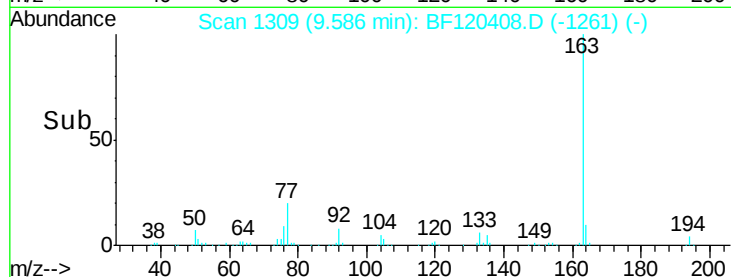
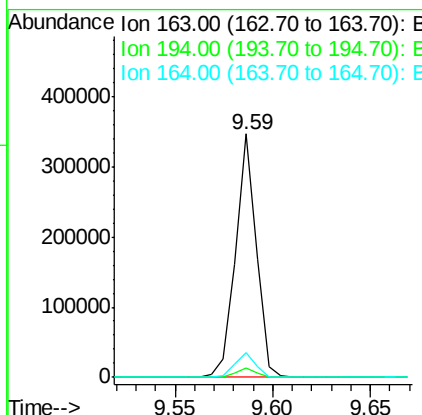
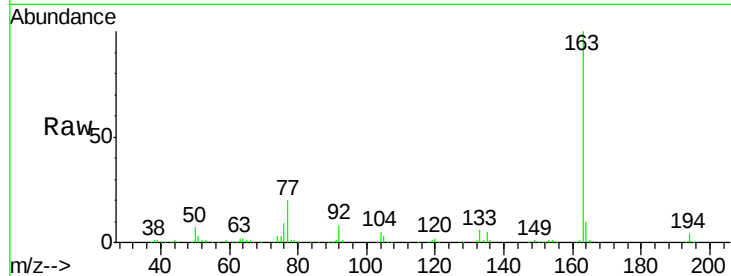
#50
Dimethylphthalate
Concen: 7.60 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120408.D
Acq: 28 May 2020 15:13

Instrument :
BNA_F
ClientSampleId :
FOX-HILL-RD-1

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	255875		
194	3.6		3.3	4.9
164	10.1		8.3	12.5

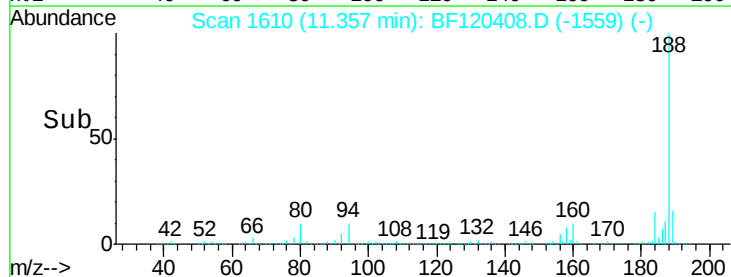
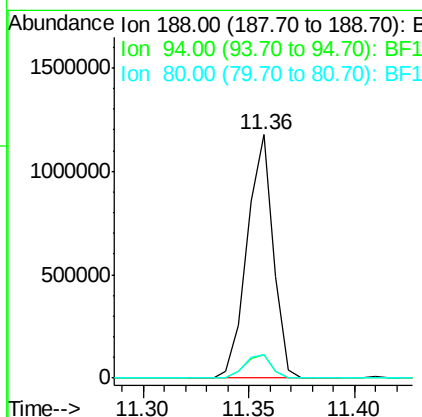
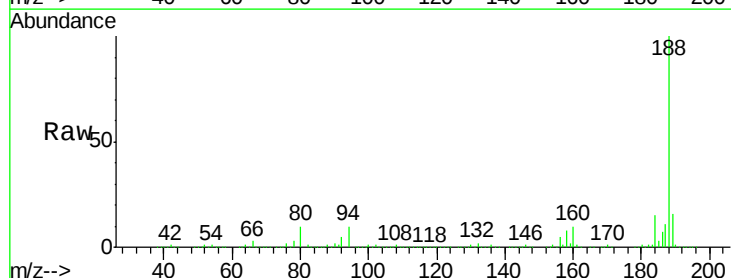
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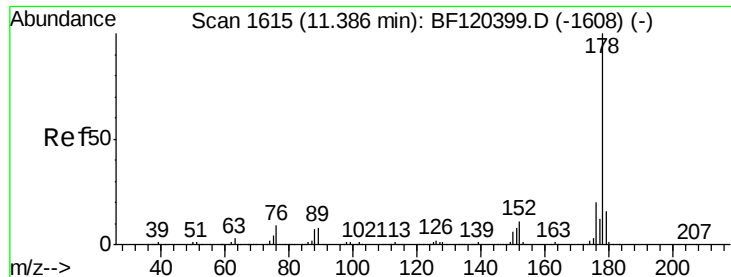
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF120408.D
Acq: 28 May 2020 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	1012211		
94	9.6		7.9	11.9
80	9.8		8.6	13.0





#71

Phenanthrene

Concen: 5.53 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120408.D

Acq: 28 May 2020 15:13

Instrument :

BNA_F

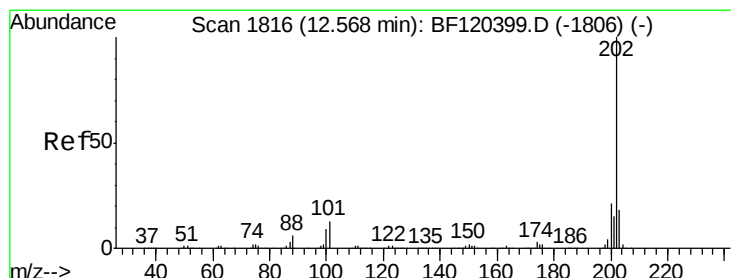
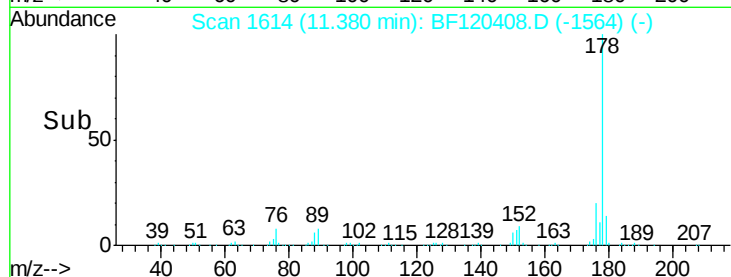
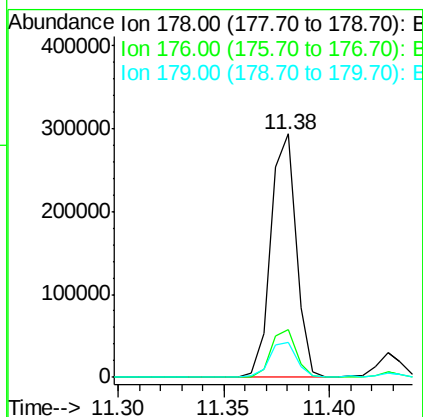
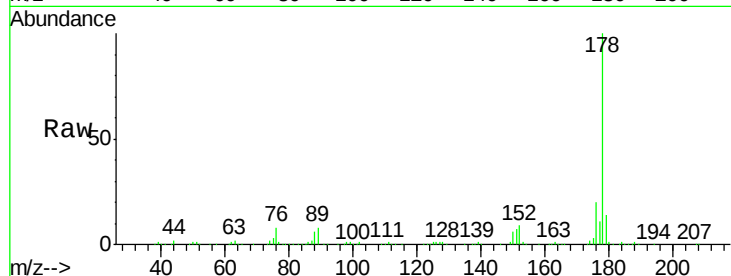
ClientSampleId :

FOX-HILL-RD-1

Tgt Ion:	178	Resp:	246488
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.4	24.6
179	14.5	13.0	19.4

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#75

Fluoranthene

Concen: 6.50 ng

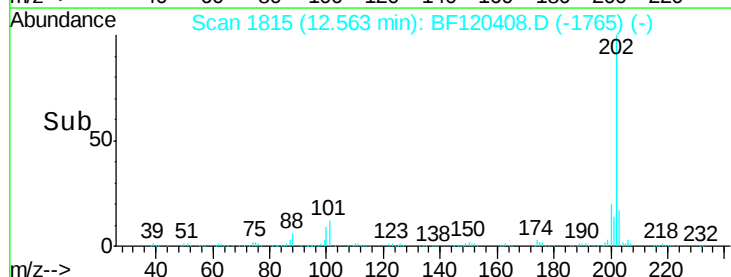
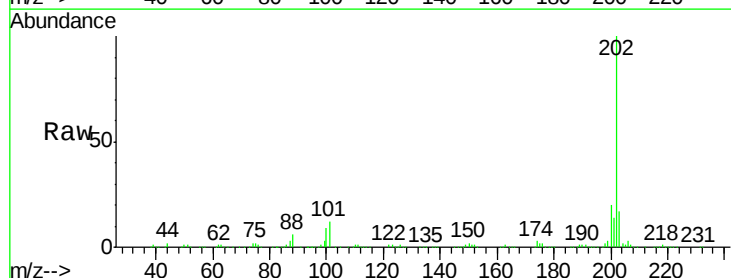
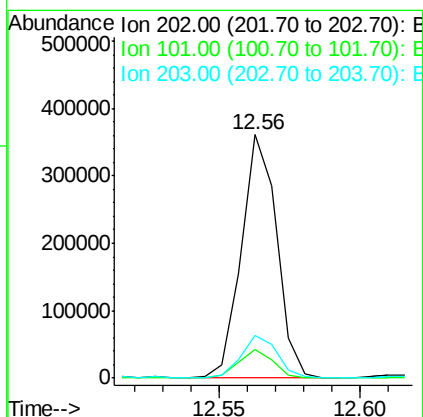
RT: 12.56 min Scan# 1815

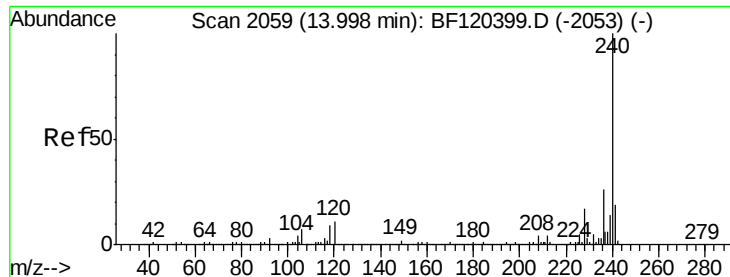
Delta R.T. -0.01 min

Lab File: BF120408.D

Acq: 28 May 2020 15:13

Tgt Ion:	202	Resp:	311738
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	32.6
203	17.4	0.0	38.4





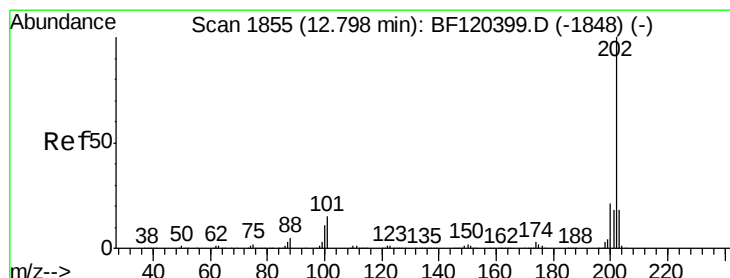
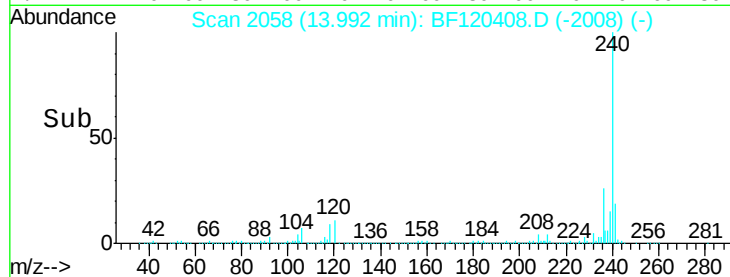
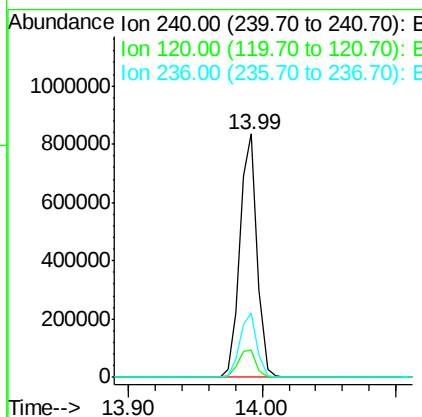
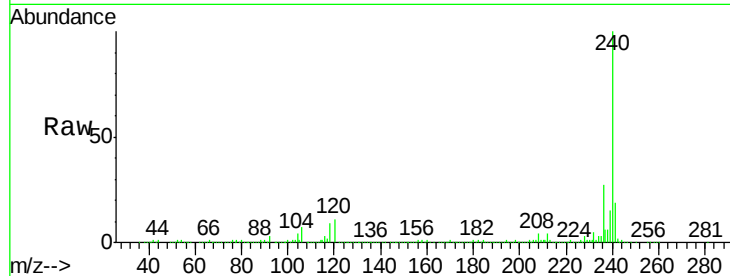
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120408.D
Acq: 28 May 2020 15:13

Instrument :
BNA_F
ClientSampleId :
FOX-HILL-RD-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	11.0	8.8	13.2
236	26.5	21.0	31.4

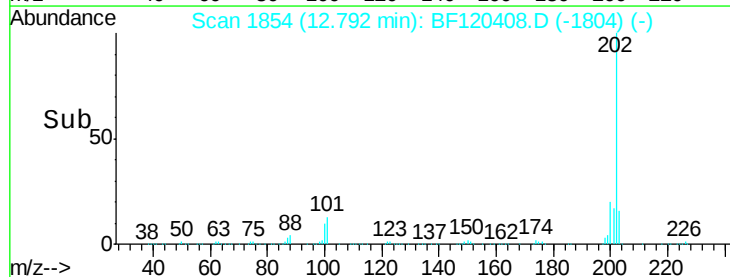
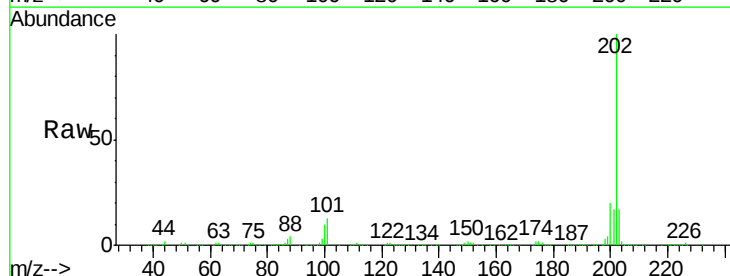
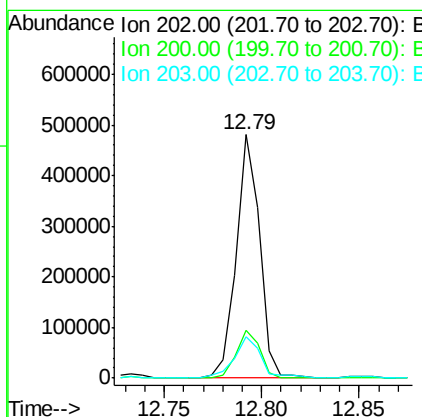
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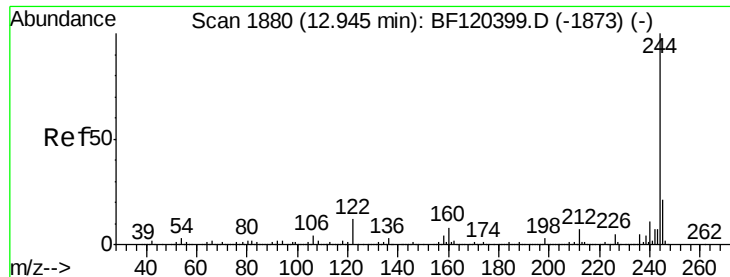
mohammad
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#78
Pyrene
Concen: 7.60 ng
RT: 12.79 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF120408.D
Acq: 28 May 2020 15:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.8	17.0	25.4
203	17.2	14.7	22.1





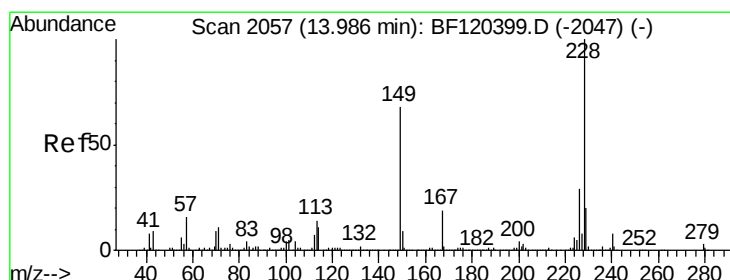
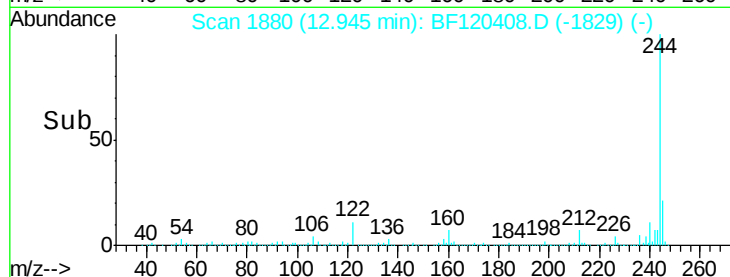
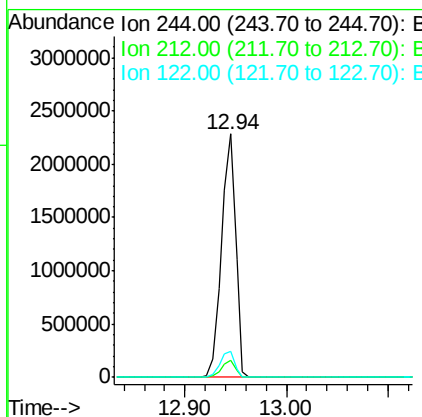
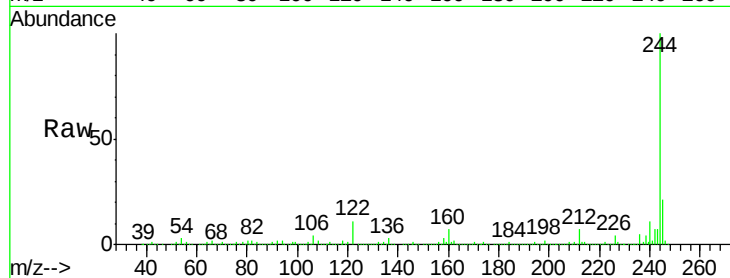
#79
 Terphenyl-d14
 Concen: 65.45 ng
 RT: 12.94 min Scan# 1880
 Delta R.T. 0.00 min
 Lab File: BF120408.D
 Acq: 28 May 2020 15:13

Instrument :
 BNA_F
 ClientSampleId :
 FOX-HILL-RD-1

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	10.8	9.2	13.8

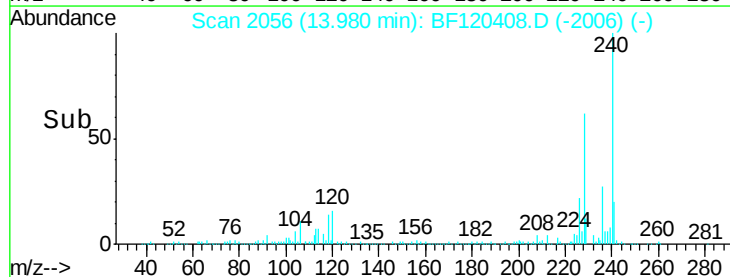
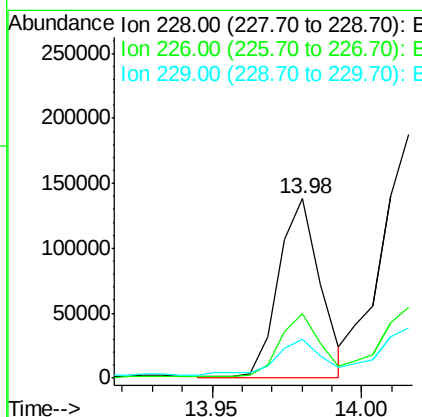
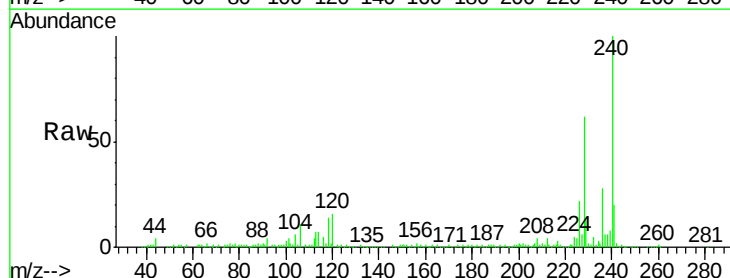
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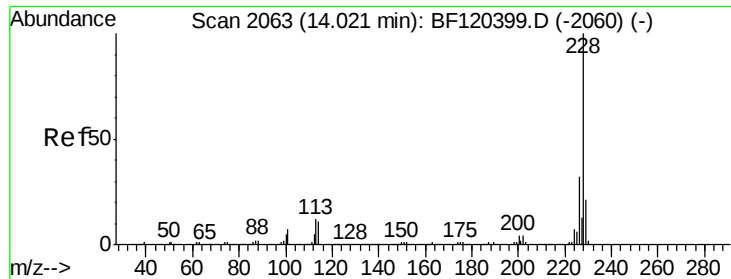
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#81
 Benzo(a)anthracene
 Concen: 3.34 ng m
 RT: 13.98 min Scan# 2056
 Delta R.T. -0.01 min
 Lab File: BF120408.D
 Acq: 28 May 2020 15:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.1	23.0	34.4#
229	21.7	16.2	24.4





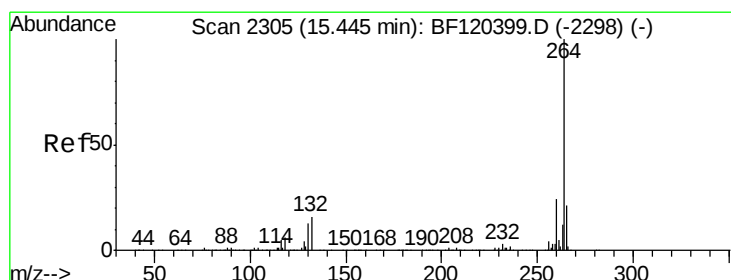
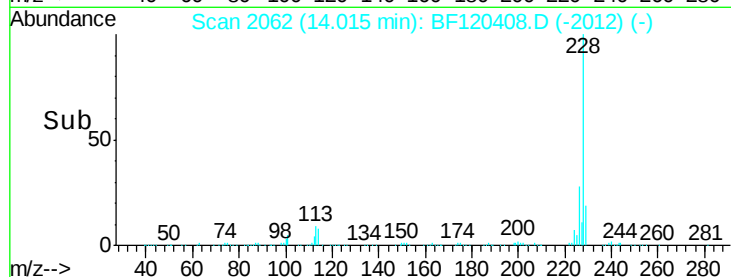
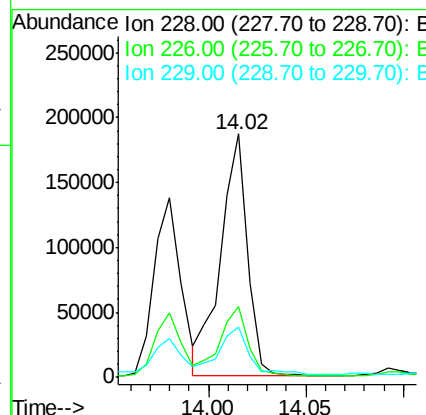
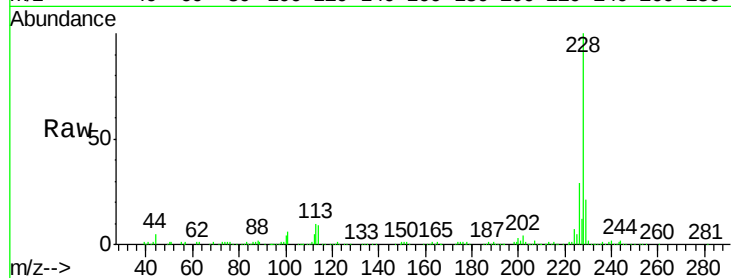
#83
Chrysene
Concen: 4.25 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.01 min
Lab File: BF120408.D
Acq: 28 May 2020 15:13

Instrument :
BNA_F
ClientSampleId :
FOX-HILL-RD-1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.6	38.4
229	20.6	16.6	25.0

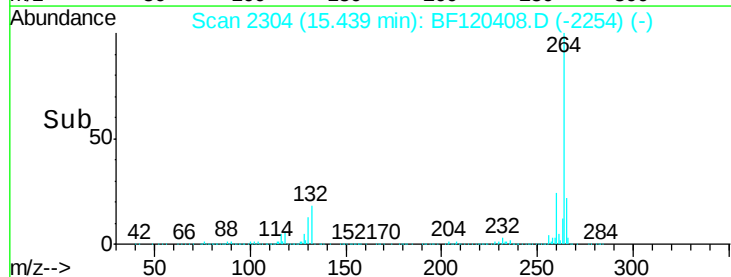
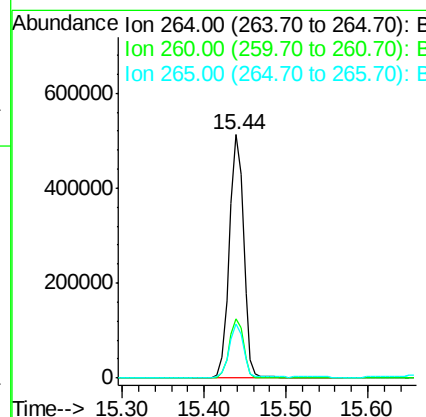
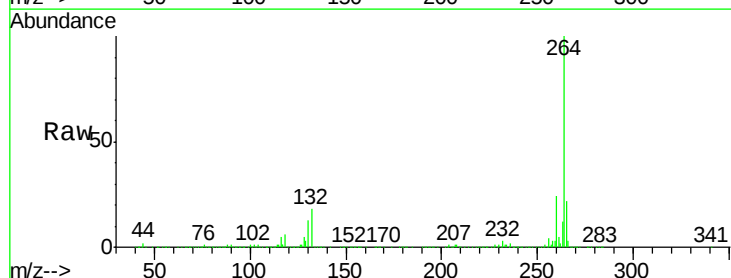
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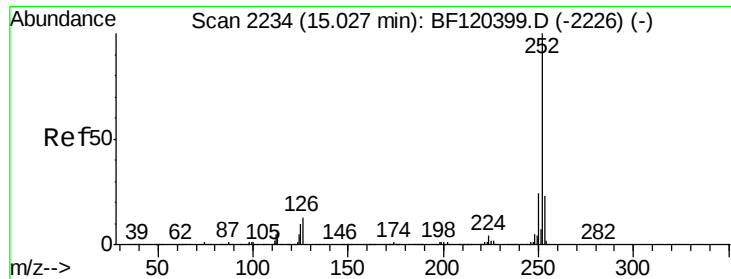
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BF120408.D
Acq: 28 May 2020 15:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.2	16.9	25.3





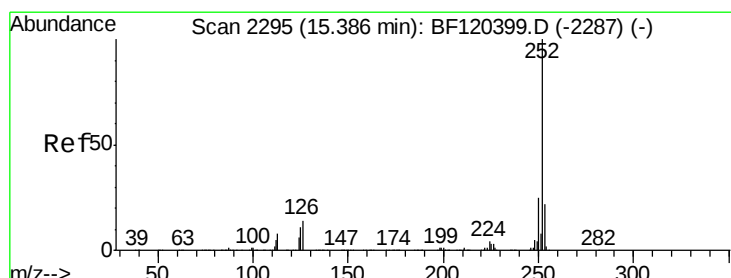
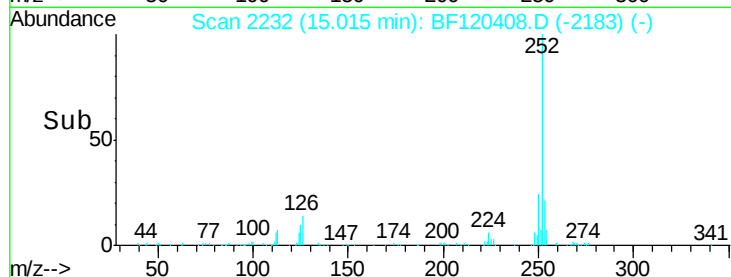
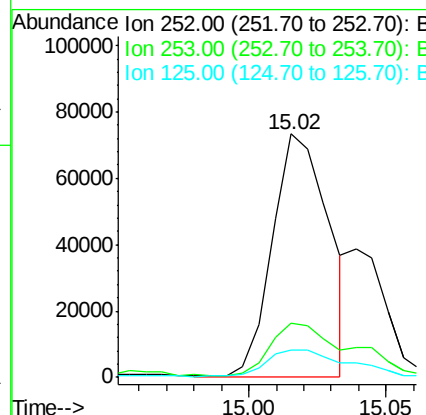
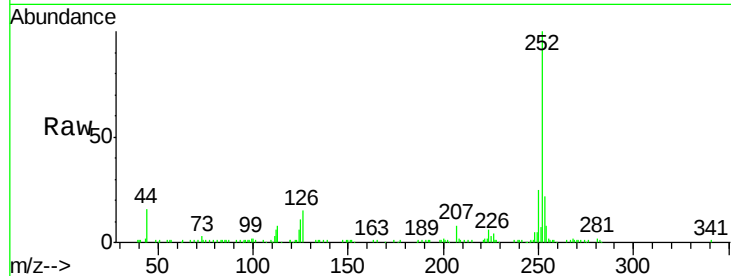
#88
Benzo(b)fluoranthene
Concen: 3.03 ng m
RT: 15.02 min Scan# 2232
Delta R.T. -0.01 min
Lab File: BF120408.D
Acq: 28 May 2020 15:13

Instrument :
BNA_F
ClientSampleId :
FOX-HILL-RD-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	11.1	7.8	11.8

Manual Integrations
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#90
Benzo(a)pyrene
Concen: 2.37 ng
RT: 15.37 min Scan# 2293
Delta R.T. -0.01 min
Lab File: BF120408.D
Acq: 28 May 2020 15:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	11.0	8.7	13.1

