

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
 Data File : BF116494.D
 Acq On : 23 Aug 2019 23:02
 Operator : HP/JU
 Sample : K4387-18
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T4-B1-B4-(0-2)

Manual Integrations
 APPROVED

Jagrut
 8/28/2019 8:10:59 AM

Quant Time: Aug 24 04:29:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	117225	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	439161	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	203001	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	297374	20.00	ng	0.00
76) Chrysene-d12	14.03	240	207111	20.00	ng	0.00
87) Perylene-d12	15.50	264	261403	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	619967	77.28	ng	0.00
7) Phenol-d6	6.50	99	817200	83.07	ng	0.00
23) Nitrobenzene-d5	7.44	82	496902	61.90	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	141450	81.15	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	724421	57.47	ng	0.00
79) Terphenyl-d14	12.98	244	550116	49.61	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.62	163	46690	3.297	ng	Qvalue 100
71) Phenanthrene	11.42	178	50534	3.119	ng	98
75) Fluoranthene	12.61	202	104145	6.218	ng	98
78) Pyrene	12.83	202	99767m	6.024	ng	
81) Benzo(a)anthracene	14.02	228	57261	4.269	ng	94
83) Chrysene	14.06	228	54809m	4.031	ng	
86) Indeno(1,2,3-cd)pyrene	16.95	276	42134	3.618	ng	93
88) Benzo(b)fluoranthene	15.07	252	88477m	5.479	ng	
90) Benzo(a)pyrene	15.43	252	56741	3.976	ng	# 91
92) Benzo(g,h,i)perylene	17.39	276	42660	3.816	ng	98

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

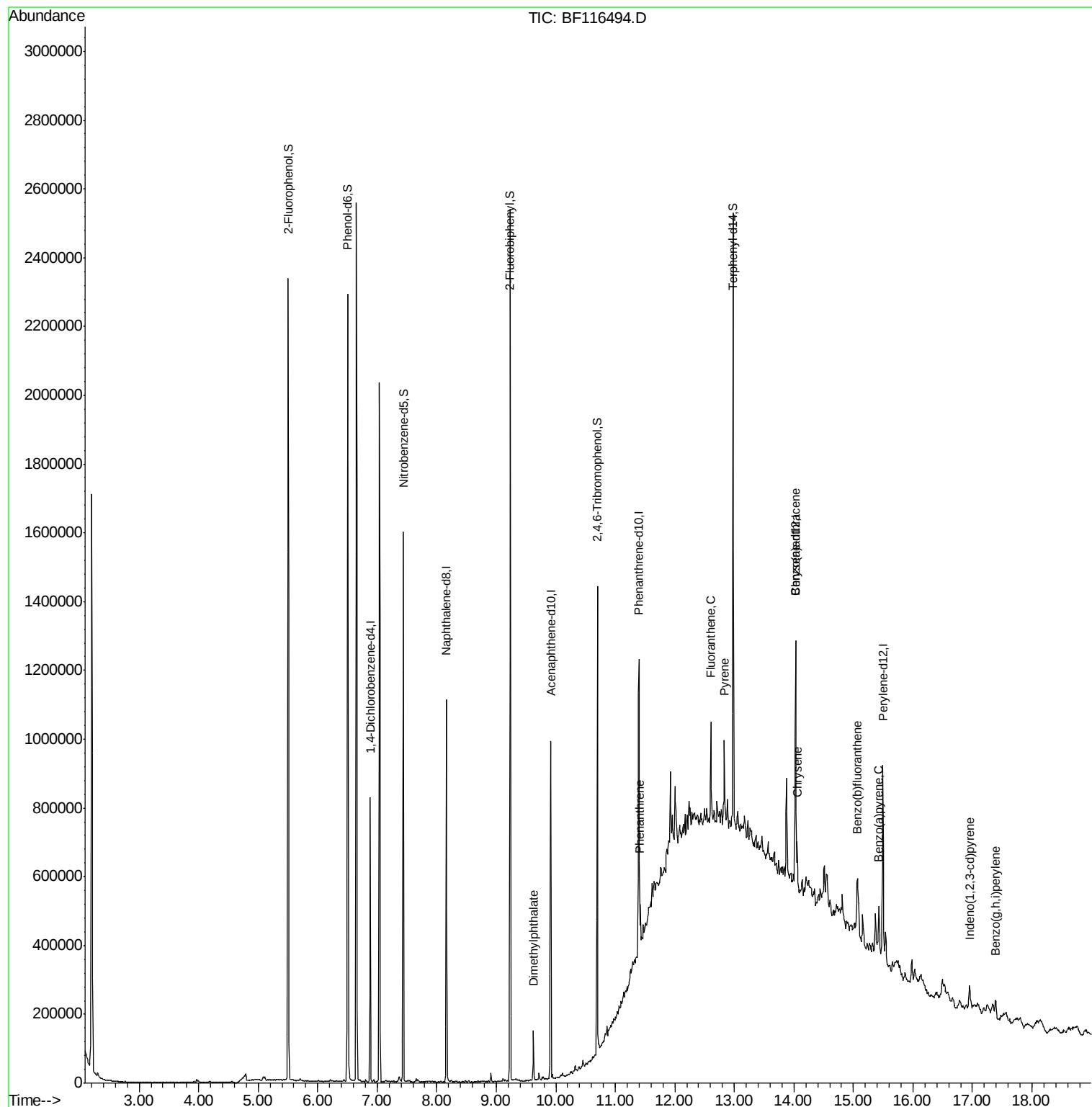
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116494.D
Acq On : 23 Aug 2019 23:02
Operator : HP/JU
Sample : K4387-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

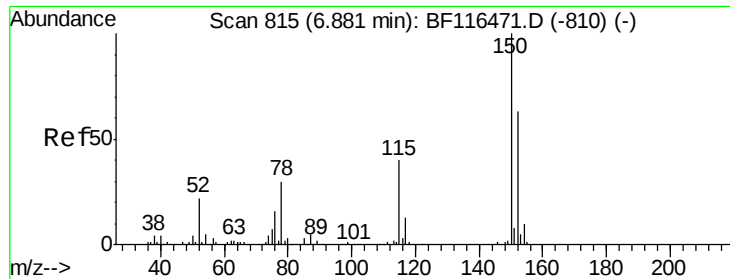
Instrument :
BNA_F
ClientSampleId :
T4-B1-B4-(0-2)

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#1

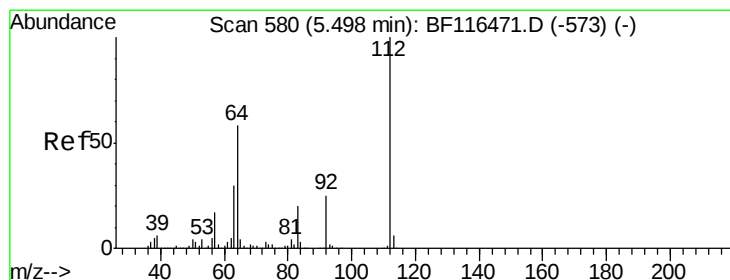
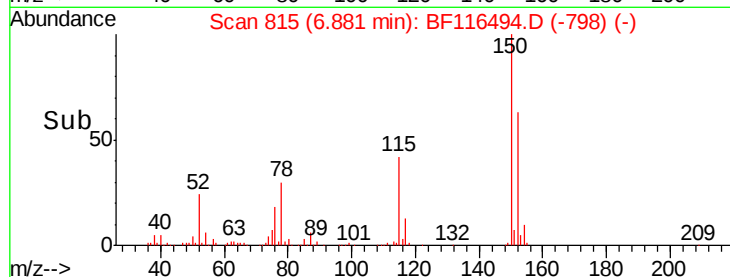
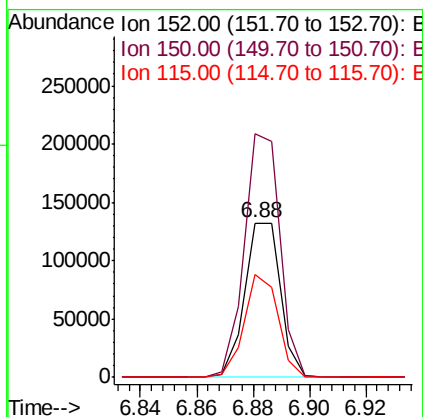
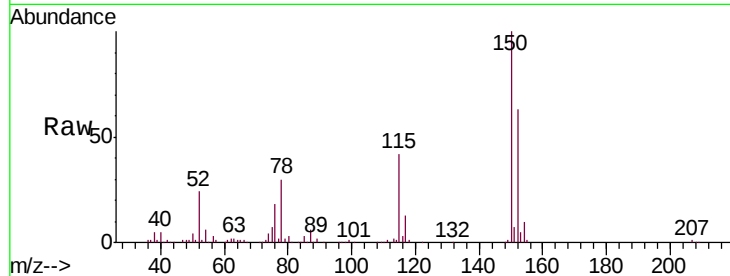
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF116494.D
Acq: 23 Aug 2019 23:02

Instrument :
BNA_F
ClientSampleId :
T4-B1-B4-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	126.7	190.1
115	66.9	50.9	76.3

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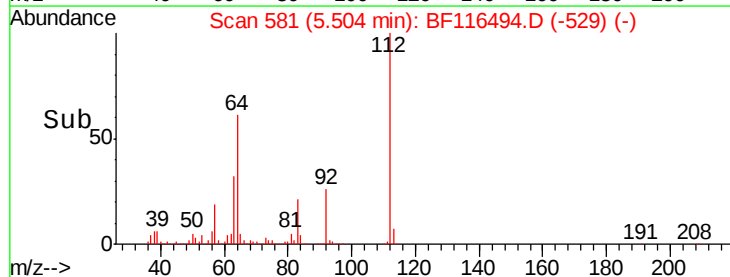
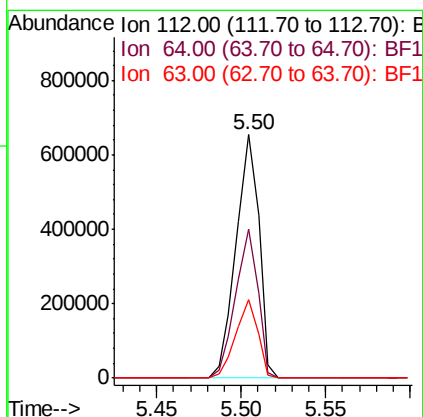
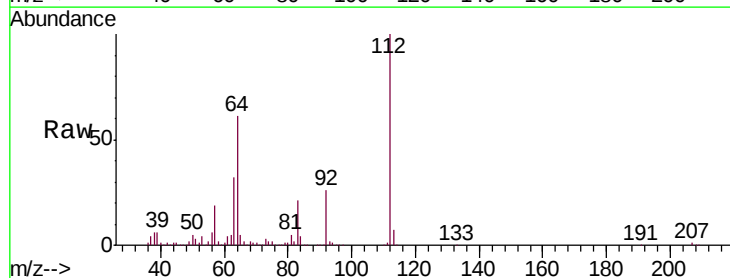
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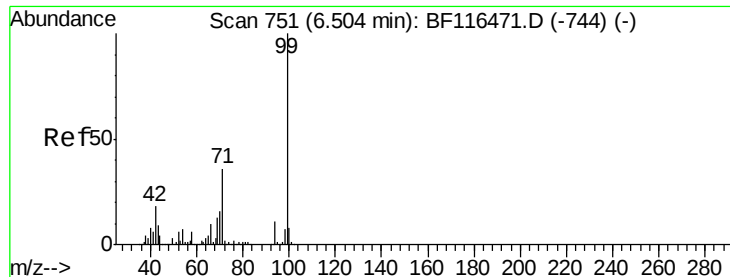


#5

2-Fluorophenol
Concen: 77.276 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116494.D
Acq: 23 Aug 2019 23:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	46.3	69.5
63	32.1	24.2	36.4





#7

Phenol-d6

Concen: 83.073 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116494.D

Acq: 23 Aug 2019 23:02

Instrument :

BNA_F

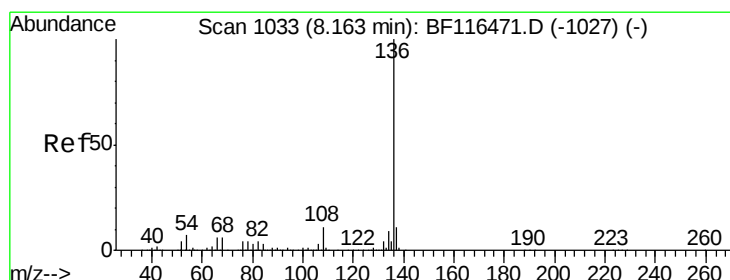
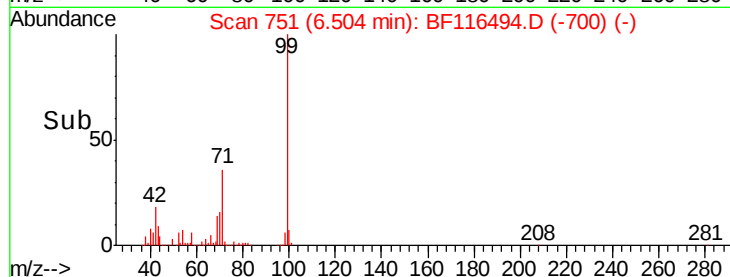
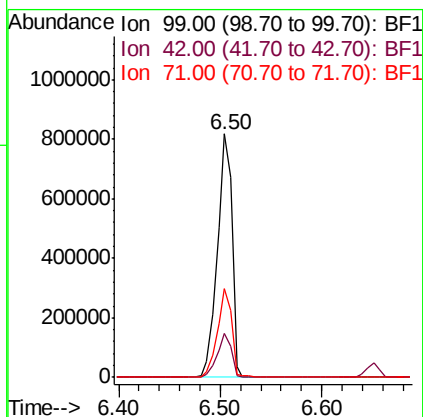
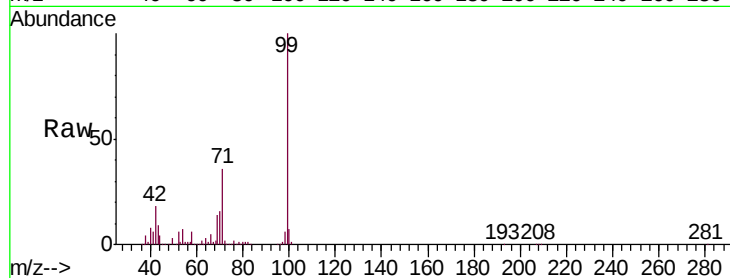
ClientSampleId :

T4-B1-B4-(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		817200		
42	18.2	14.6	21.8		
71	36.4	28.5	42.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

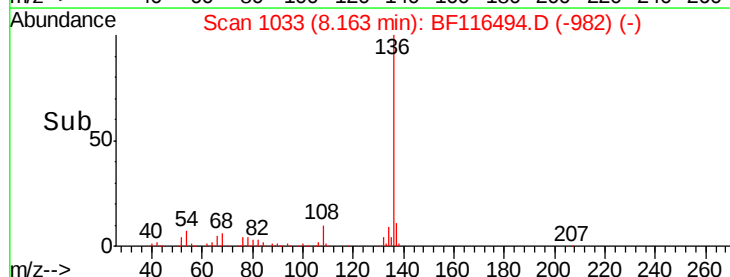
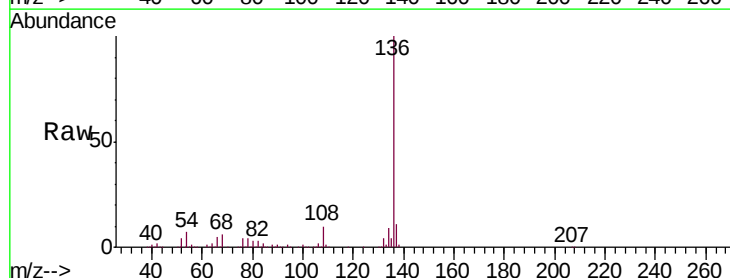
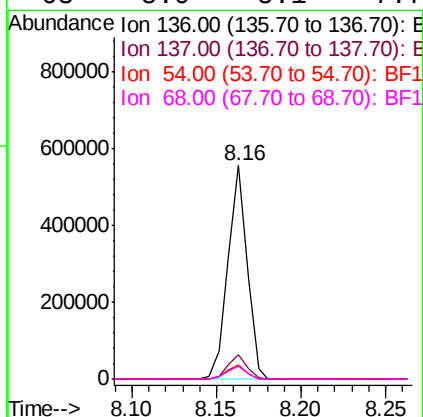
RT: 8.16 min Scan# 1033

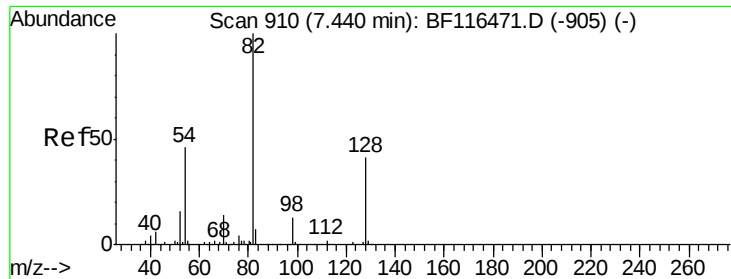
Delta R.T. -0.00 min

Lab File: BF116494.D

Acq: 23 Aug 2019 23:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		439161		
137	11.3	9.0	13.4		
54	6.6	5.8	8.6		
68	5.9	5.1	7.7		





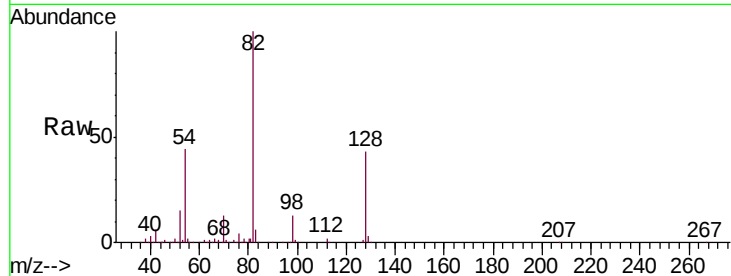
#23
Nitrobenzene-d5
Concen: 61.903 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116494.D
Acq: 23 Aug 2019 23:02

Instrument :
BNA_F
ClientSampleId :
T4-B1-B4-(0-2)

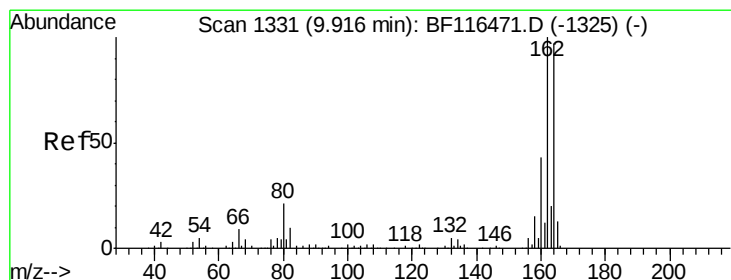
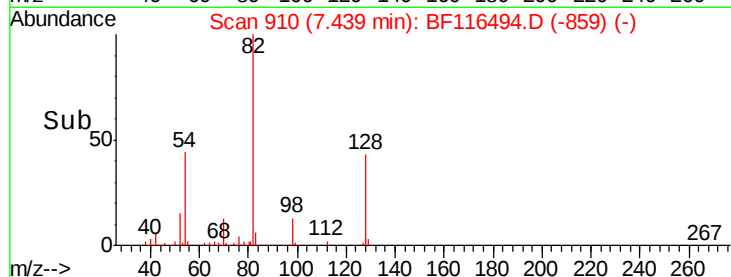
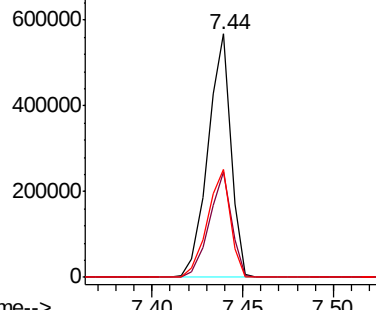
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.3	32.2	48.4	
54	44.1	36.5	54.7	

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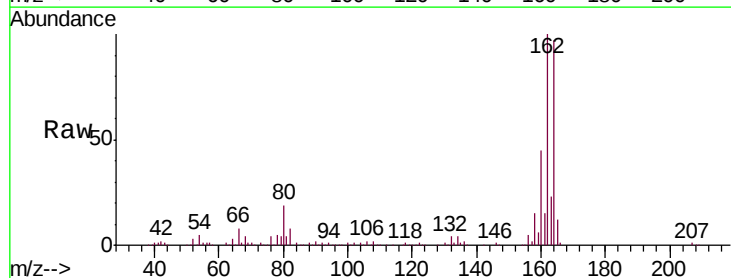


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

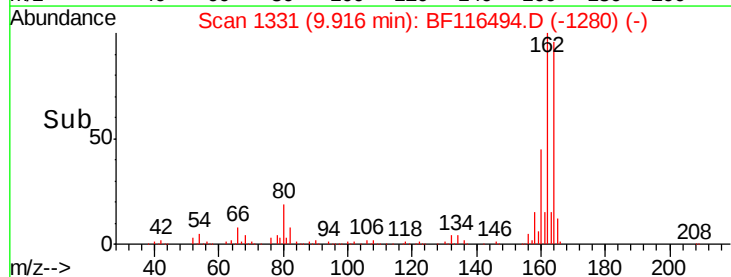
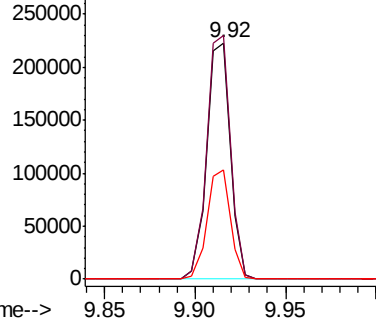


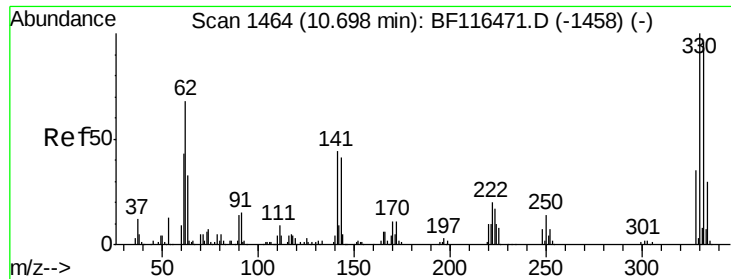
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF116494.D
Acq: 23 Aug 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.2	82.6	123.8	
160	46.2	35.8	53.8	



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





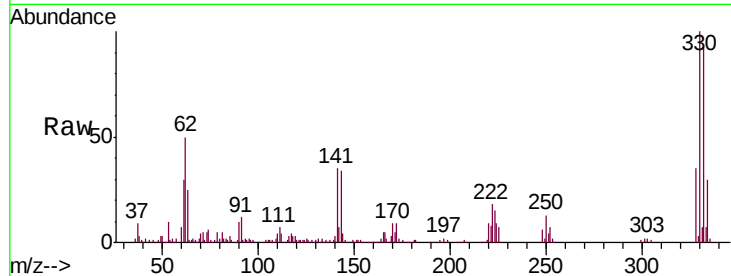
#42
 2,4,6-Tribromophenol
 Concen: 81.148 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116494.D
 Acq: 23 Aug 2019 23:02

Instrument :
 BNA_F
 ClientSampleId :
 T4-B1-B4-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	141450		
332	94.7	77.2	115.8	
141	40.4	33.3	49.9	

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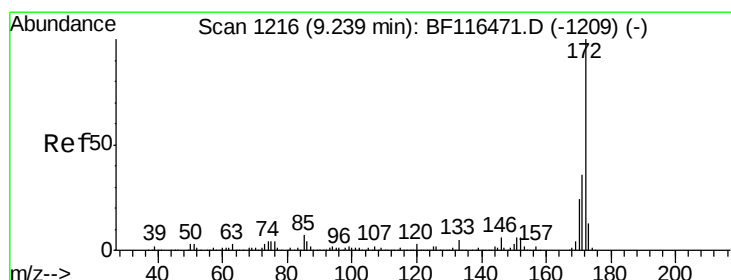
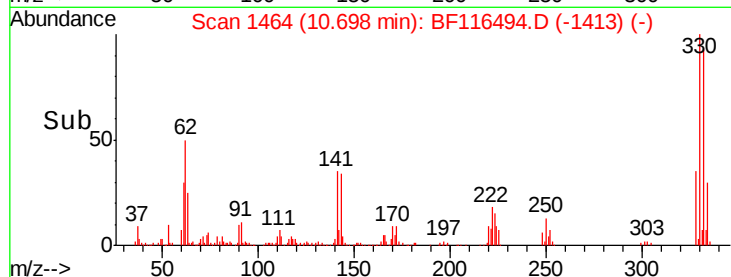
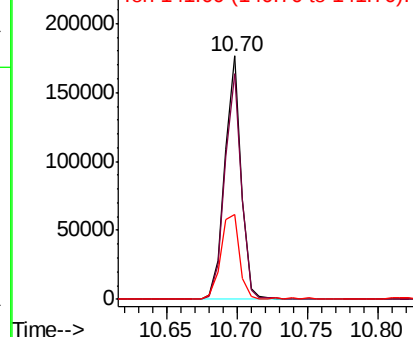


Abundance

Ion 329.80 (329.50 to 330.50): E

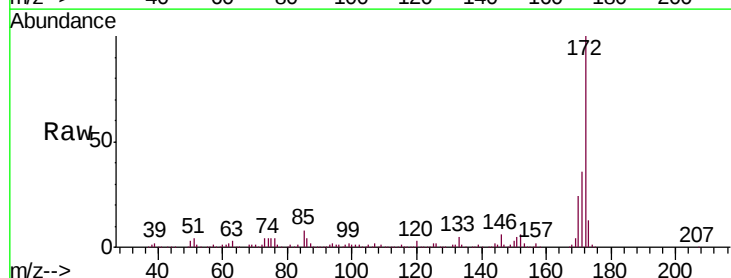
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 57.468 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF116494.D
 Acq: 23 Aug 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	724421		
171	35.7	28.9	43.3	
170	23.6	19.4	29.0	

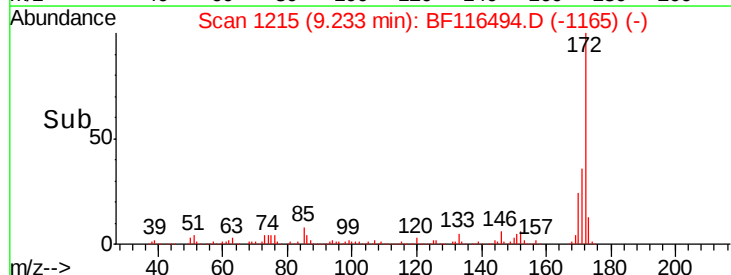
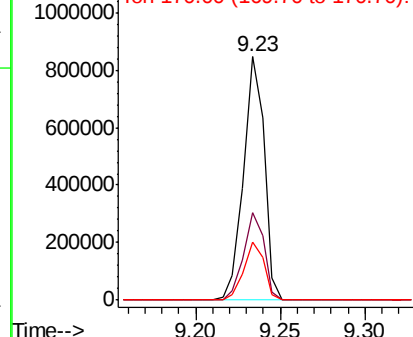


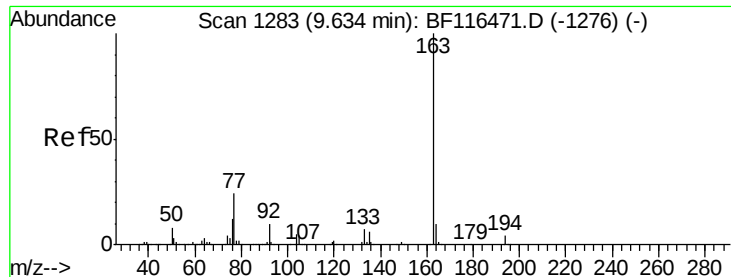
Abundance

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: 3.297 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF116494.D

Acq: 23 Aug 2019 23:02

Instrument :

BNA_F

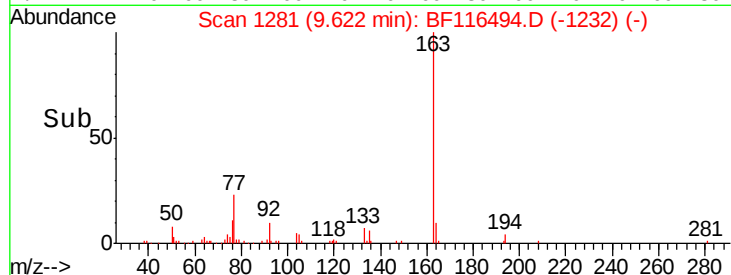
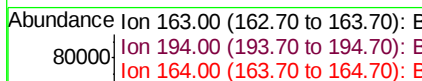
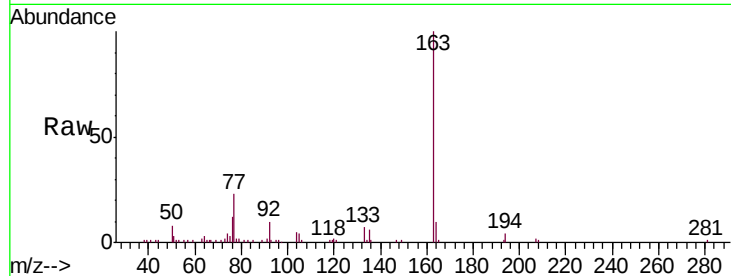
ClientSampleId :

T4-B1-B4-(0-2)

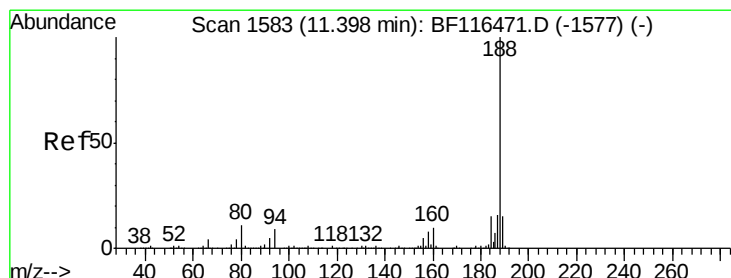
Tot Ion:	163	Resp:	46690
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.9	4.3
164	10.1	8.2	12.2

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Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

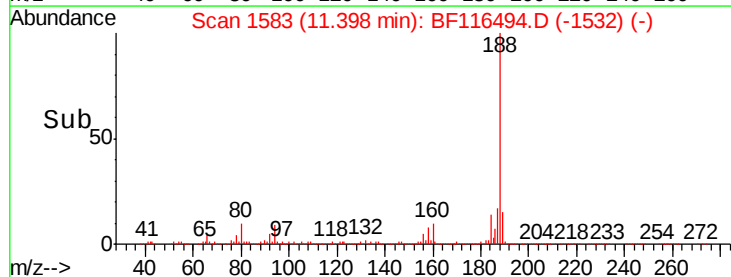
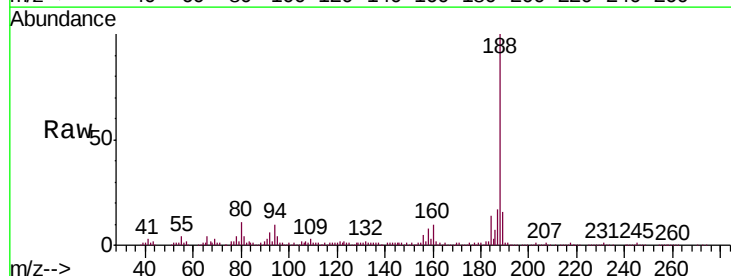
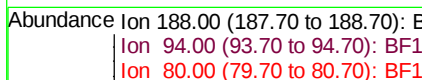
RT: 11.40 min Scan# 1583

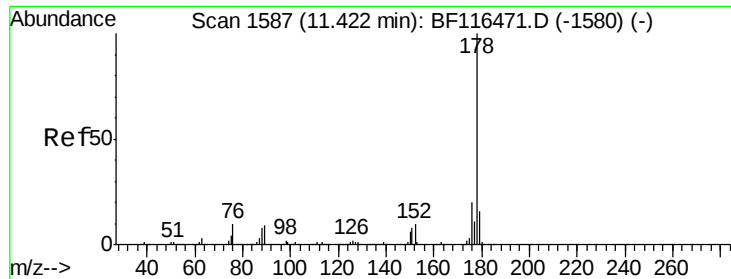
Delta R.T. -0.00 min

Lab File: BF116494.D

Acq: 23 Aug 2019 23:02

Tgt Ion:	188	Resp:	297374
Ion Ratio	Lower	Upper	
188	100		
94	9.6	7.4	11.2
80	10.5	8.6	12.8





#71

Phenanthrene

Concen: 3.119 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BF116494.D

Acq: 23 Aug 2019 23:02

Instrument :

BNA_F

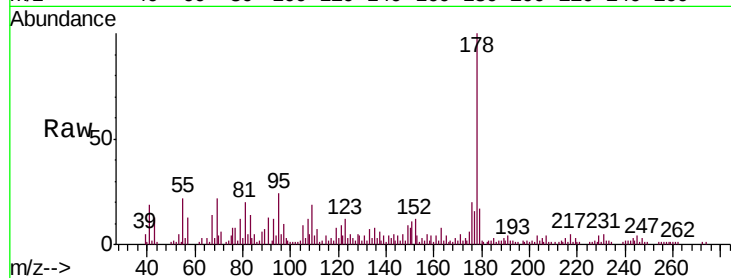
ClientSampleId :

T4-B1-B4-(0-2)

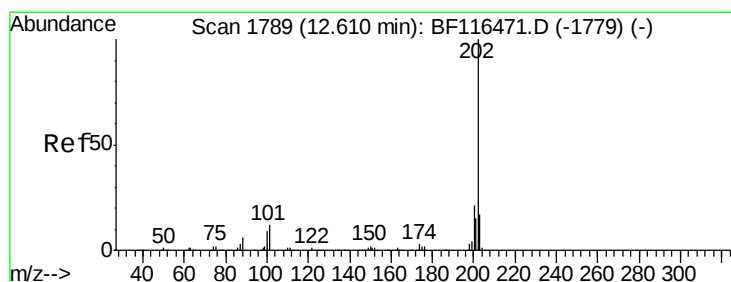
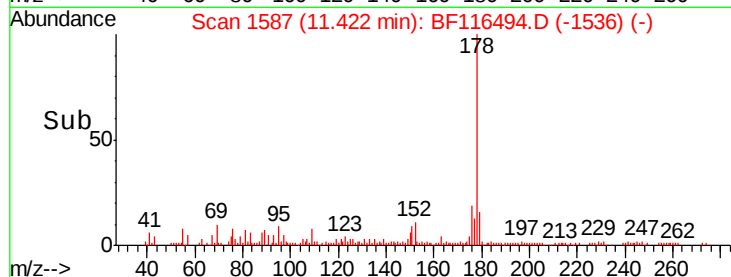
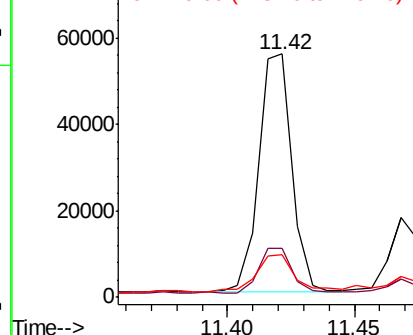
Tot Ion:	178	Resp:	50534
Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.6
179	17.4	12.8	19.2

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 6.218 ng

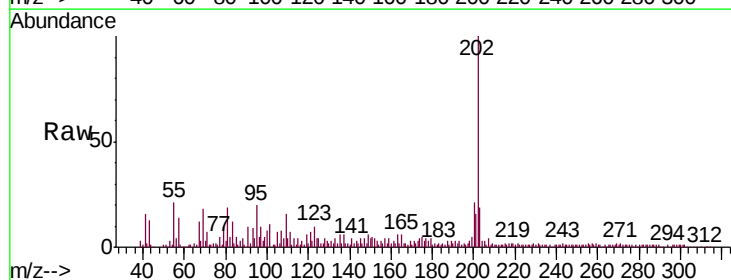
RT: 12.61 min Scan# 1789

Delta R.T. -0.00 min

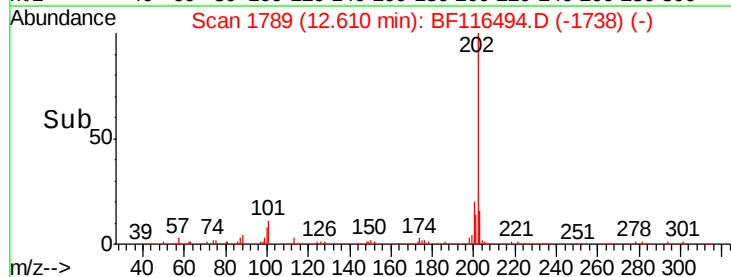
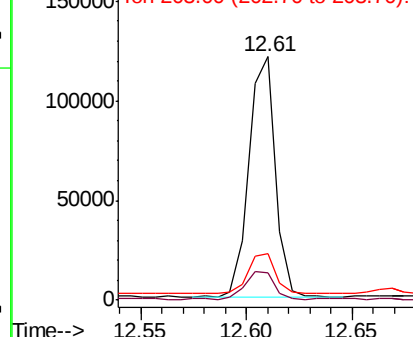
Lab File: BF116494.D

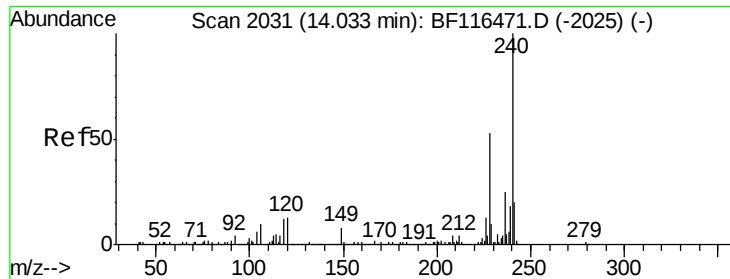
Acq: 23 Aug 2019 23:02

Tgt Ion:	202	Resp:	104145
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.5
203	19.1	0.0	37.5



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





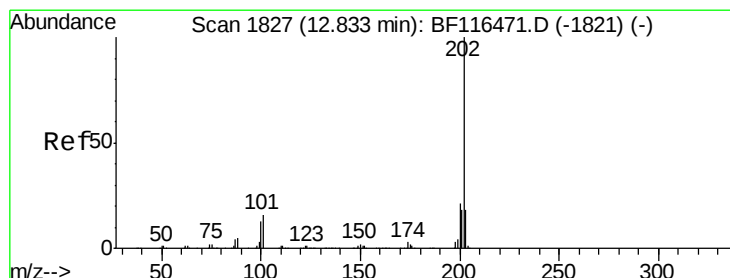
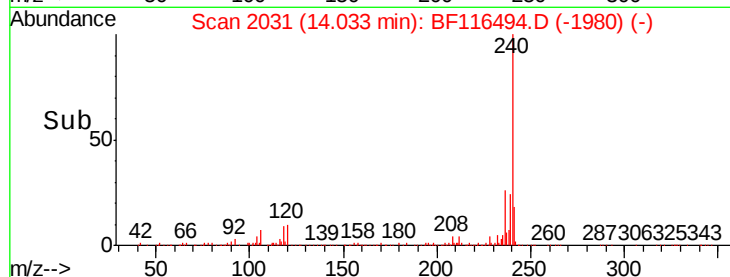
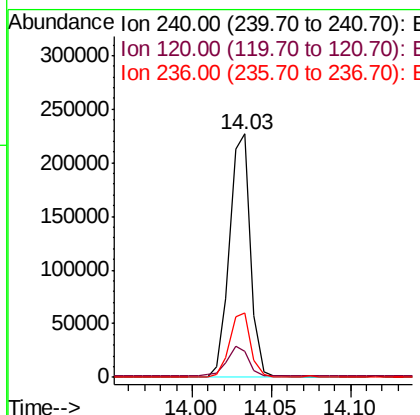
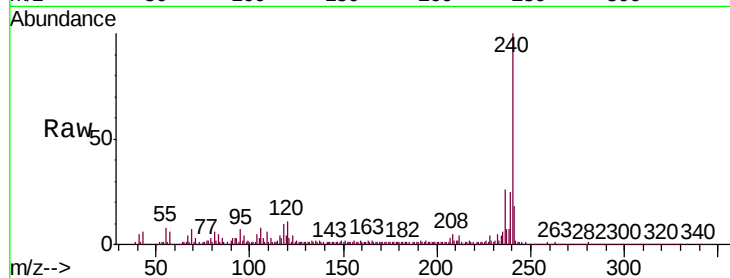
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF116494.D
Acq: 23 Aug 2019 23:02

Instrument :
BNA_F
ClientSampleId :
T4-B1-B4-(0-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.5	15.7
236	26.5	20.2	30.2

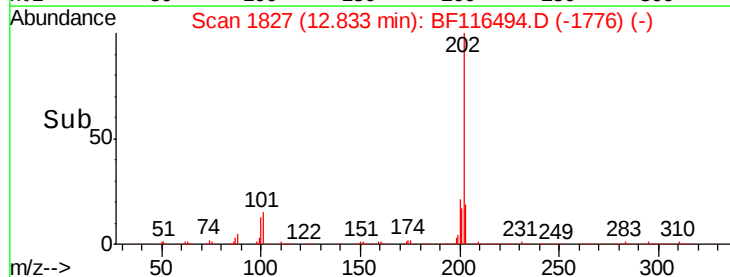
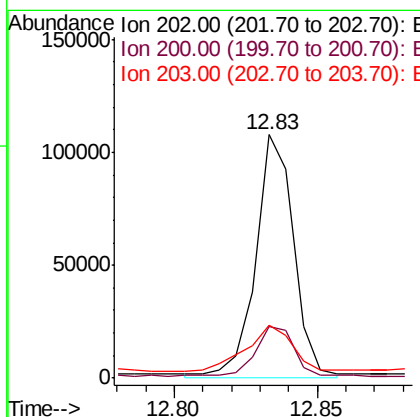
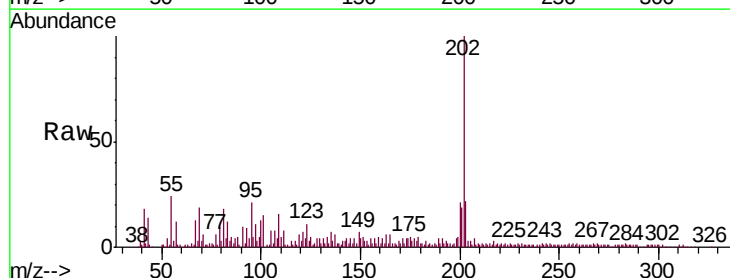
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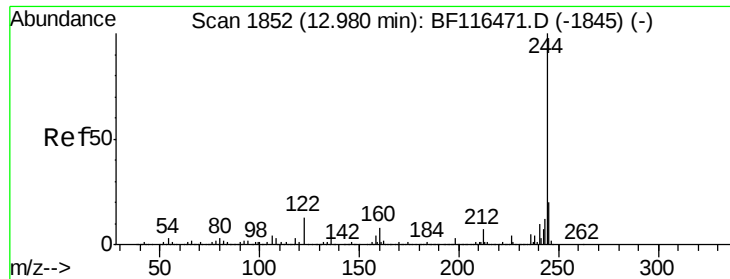
Jagrut
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#78
Pyrene
Concen: 6.024 ng m
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF116494.D
Acq: 23 Aug 2019 23:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	21.6	14.2	21.4#





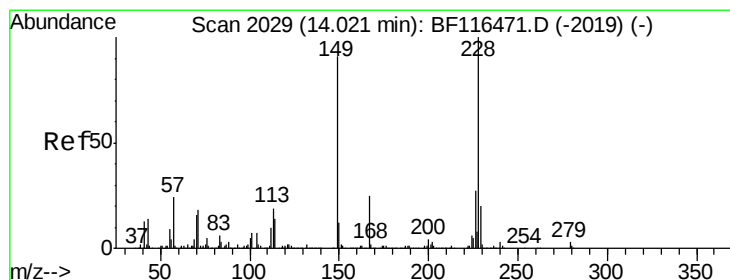
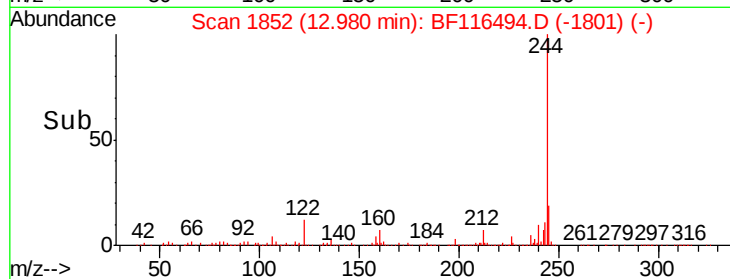
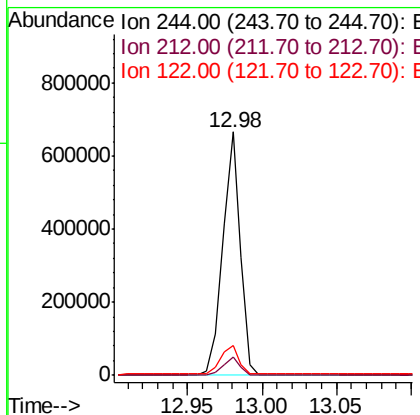
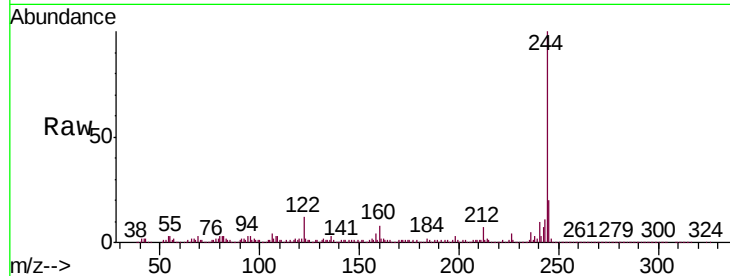
#79
 Terphenyl-d14
 Concen: 49.614 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BF116494.D
 Acq: 23 Aug 2019 23:02

Instrument :
 BNA_F
 ClientSampleId :
 T4-B1-B4-(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	12.4	10.2	15.4

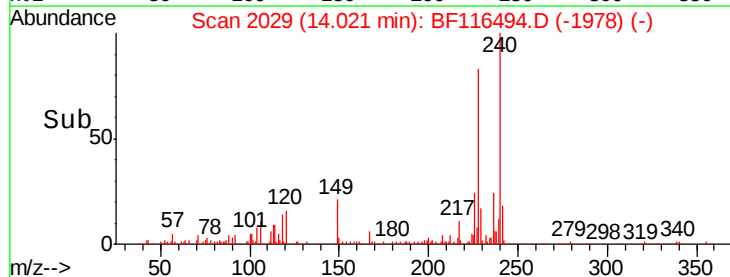
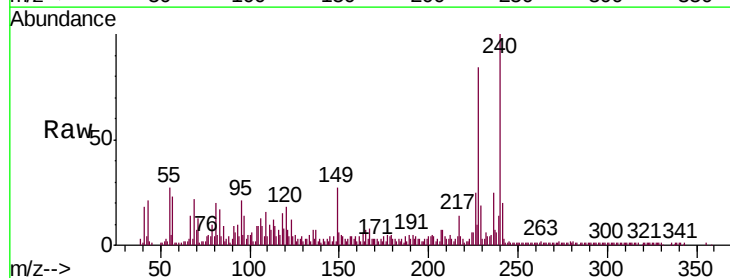
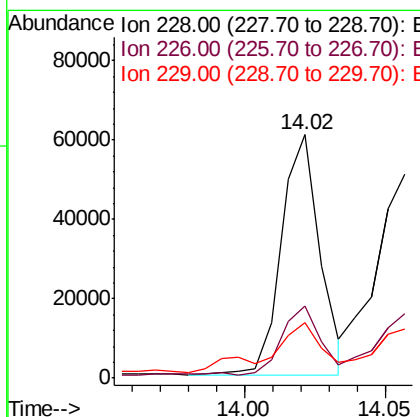
Manual Integrations
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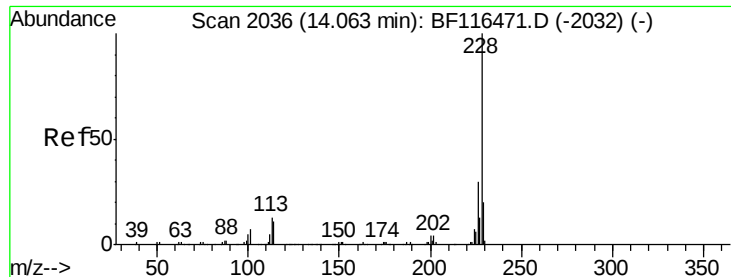
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#81
 Benzo(a)anthracene
 Concen: 4.269 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BF116494.D
 Acq: 23 Aug 2019 23:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.8	32.6
229	22.9	15.9	23.9





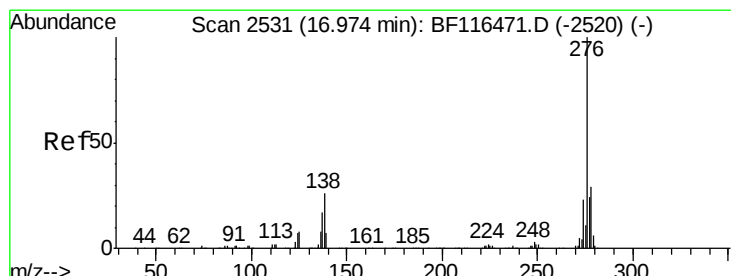
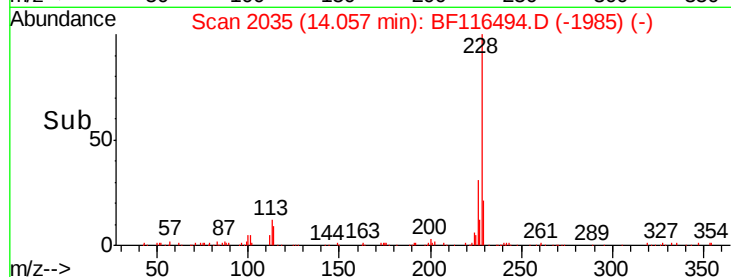
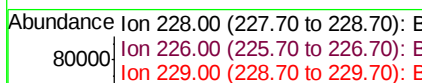
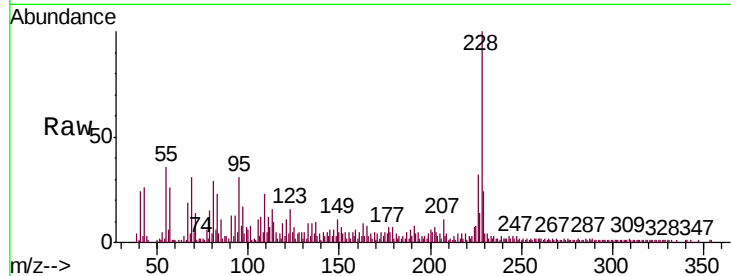
#83
Chrysene
Concen: 4.031 ng/ml
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF116494.D
Acq: 23 Aug 2019 23:02

Instrument :
BNA_F
ClientSampleId :
T4-B1-B4-(0-2)

Tot Ion:	228	Resp:	54809
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.2	36.2
229	24.2	15.8	23.6

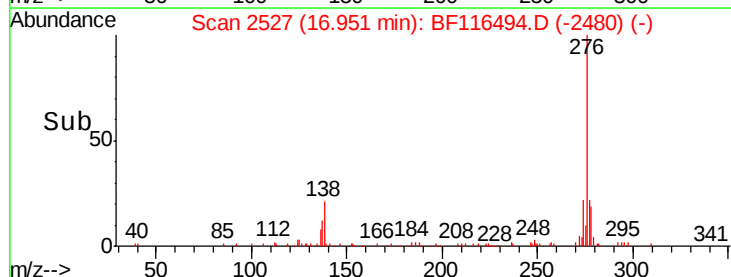
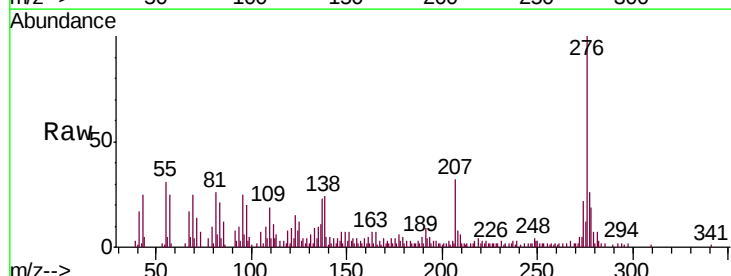
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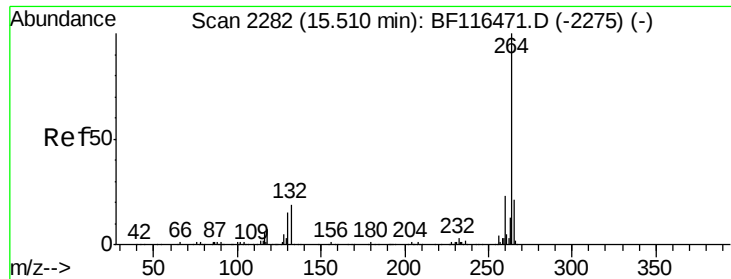
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.618 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.02 min
Lab File: BF116494.D
Acq: 23 Aug 2019 23:02

Tgt Ion:	276	Resp:	42134
Ion Ratio	Lower	Upper	
276	100		
138	25.2	22.9	34.3
277	28.3	19.9	29.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF116494.D

Acq: 23 Aug 2019 23:02

Instrument :

BNA_F

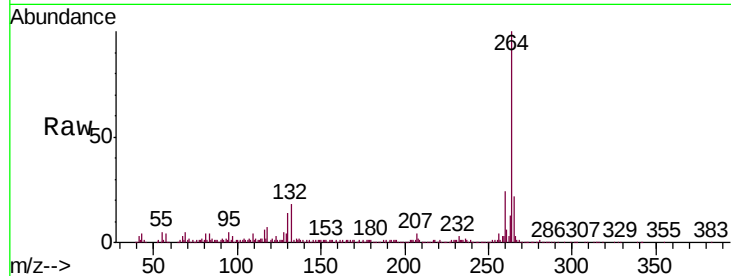
ClientSampleId :

T4-B1-B4-(0-2)

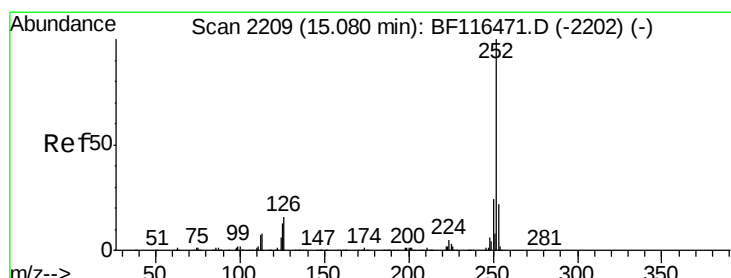
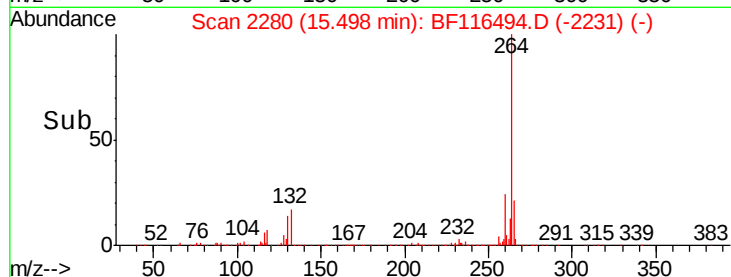
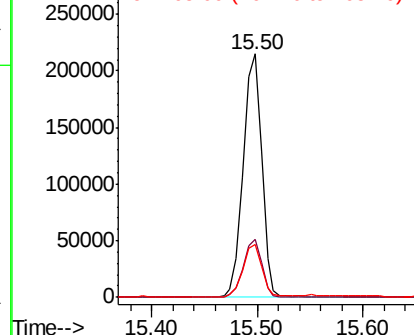
Tot Ion:	264	Resp:	261403
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.8	28.2
265	21.6	17.1	25.7

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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



#88

Benzo(b)fluoranthene

Concen: 5.479 ng m

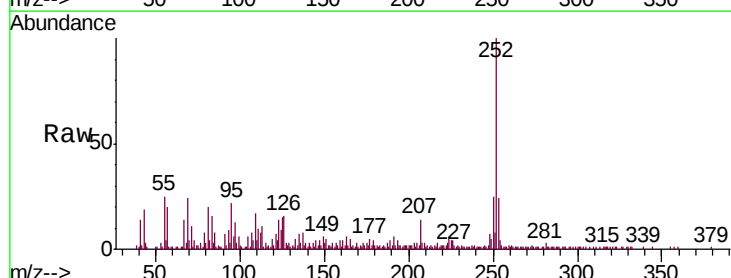
RT: 15.07 min Scan# 2207

Delta R.T. -0.01 min

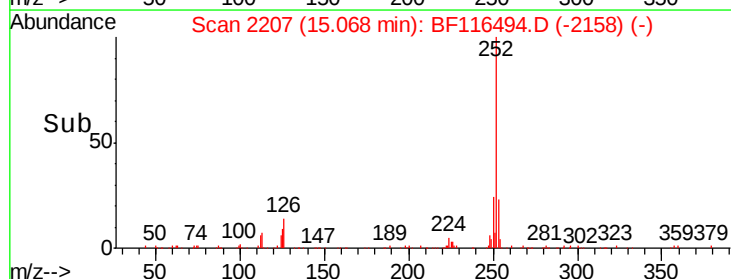
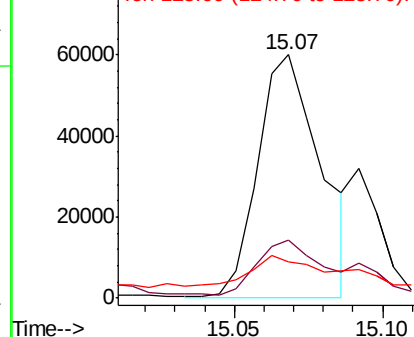
Lab File: BF116494.D

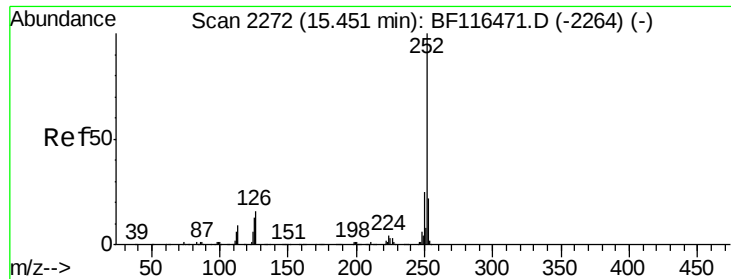
Acq: 23 Aug 2019 23:02

Tgt Ion:	252	Resp:	88477
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.5	26.3
125	15.1	10.1	15.1



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





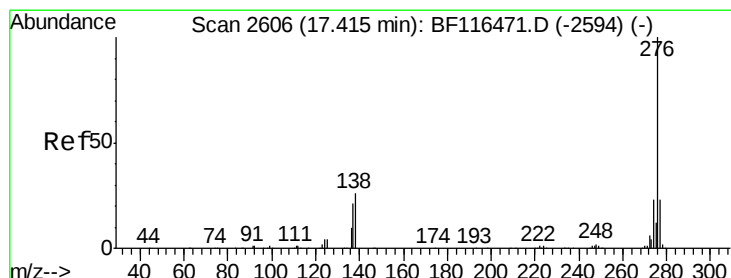
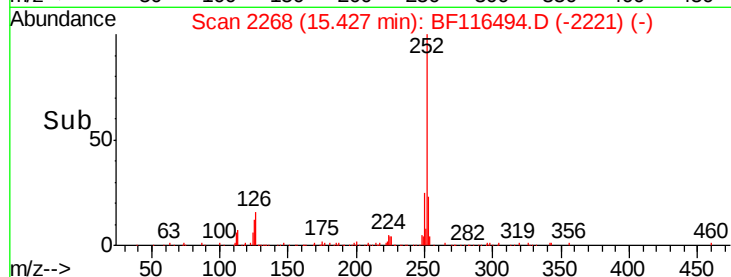
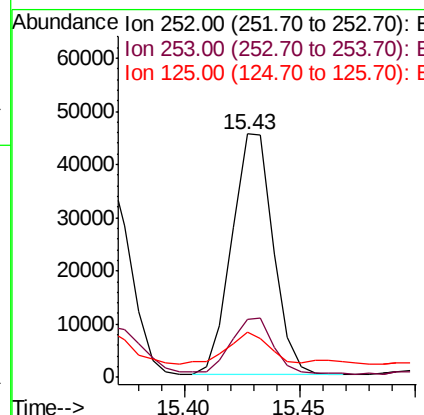
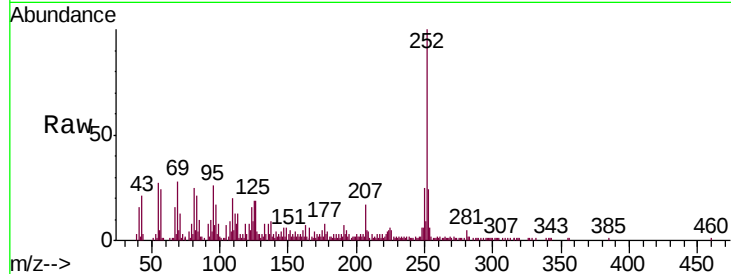
#90
Benzo(a)pyrene
Concen: 3.976 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF116494.D
Acq: 23 Aug 2019 23:02

Instrument :
BNA_F
ClientSampleId :
T4-B1-B4-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	18.6	10.2	15.4

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#92
Benzo(g,h,i)perylene
Concen: 3.816 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.02 min
Lab File: BF116494.D
Acq: 23 Aug 2019 23:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.7	28.1
138	26.3	20.8	31.2

