

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\
 Data File : BF118234.D
 Acq On : 17 Dec 2019 18:55
 Operator : JU
 Sample : K6113-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-121319

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Quant Time: Dec 18 06:04:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	129529	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	490588	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	233578	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	347155	20.00	ng	0.00
76) Chrysene-d12	14.06	240	249522	20.00	ng	-0.01
87) Perylene-d12	15.54	264	211487	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	631923	85.45	ng	0.00
7) Phenol-d6	6.49	99	791642	88.50	ng	0.00
23) Nitrobenzene-d5	7.42	82	468157	53.69	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	190991	67.31	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	858003	55.89	ng	-0.01
79) Terphenyl-d14	12.99	244	699233	48.19	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.62	163	36032	2.088	ng	98
71) Phenanthrene	11.43	178	107939	5.849	ng	99
75) Fluoranthene	12.62	202	124647	6.606	ng	99
78) Pyrene	12.85	202	111736	5.682	ng	97
81) Benzo(a)anthracene	14.04	228	48717	2.824	ng	95
83) Chrysene	14.08	228	46090m	2.797	ng	
88) Benzo(b)fluoranthene	15.11	252	51037m	3.649	ng	
90) Benzo(a)pyrene	15.48	252	33042	2.675	ng	# 92

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

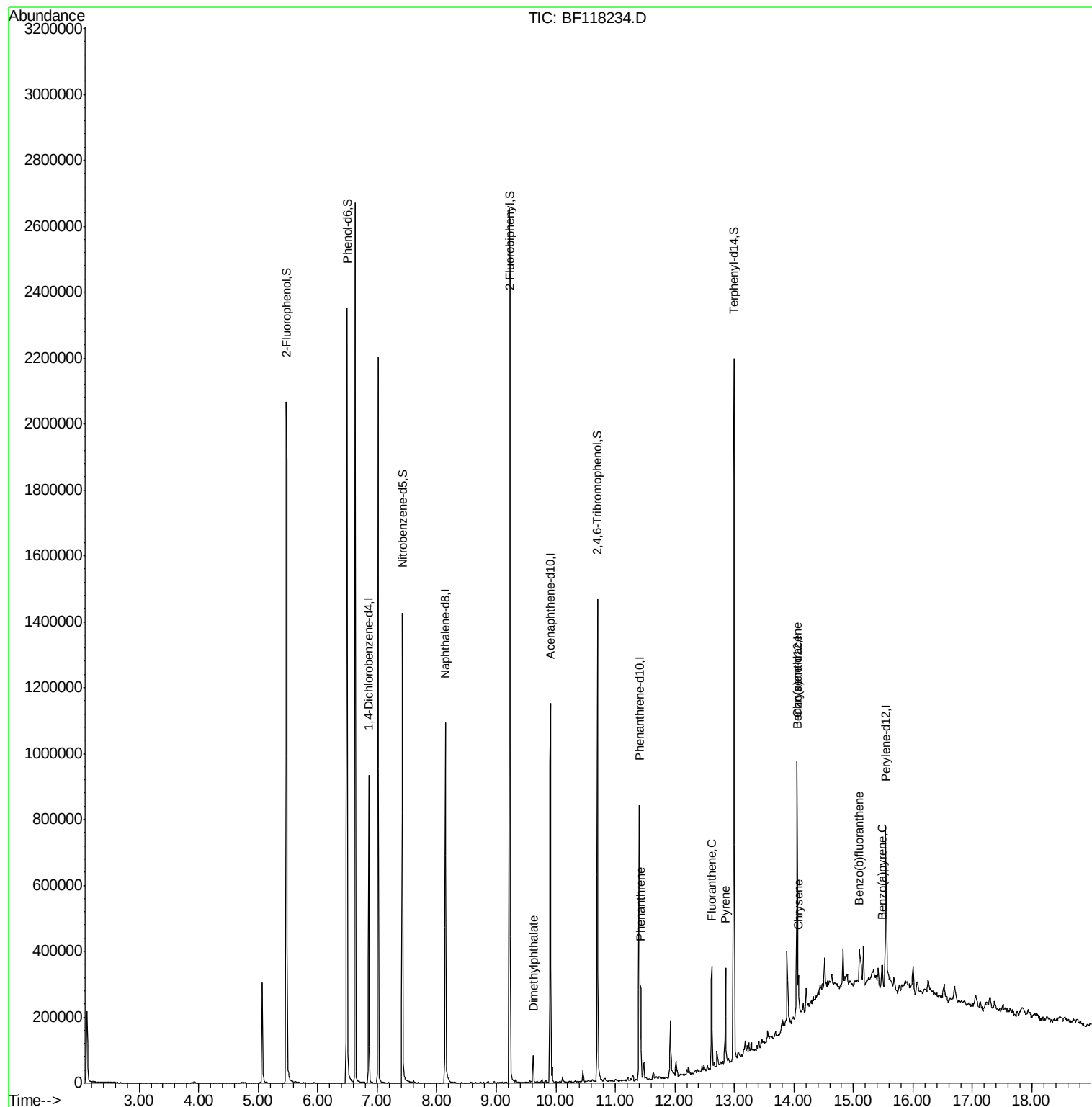
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\
Data File : BF118234.D
Acq On : 17 Dec 2019 18:55
Operator : JU
Sample : K6113-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

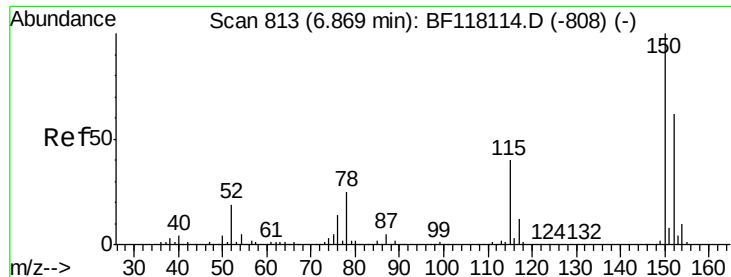
Instrument :
BNA_F
ClientSampleId :
OR-02-121319

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Quant Time: Dec 18 06:04:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
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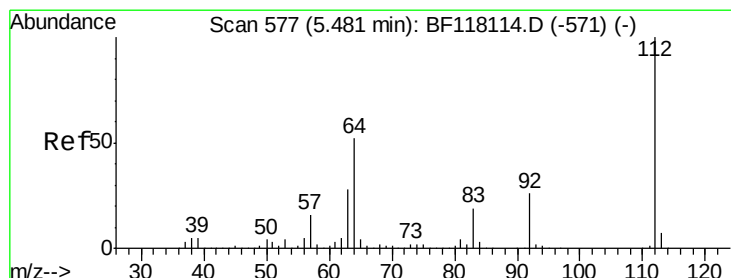
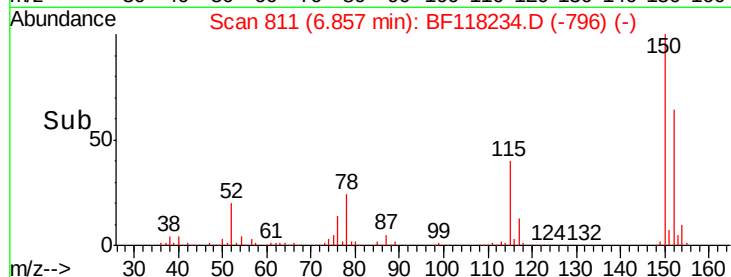
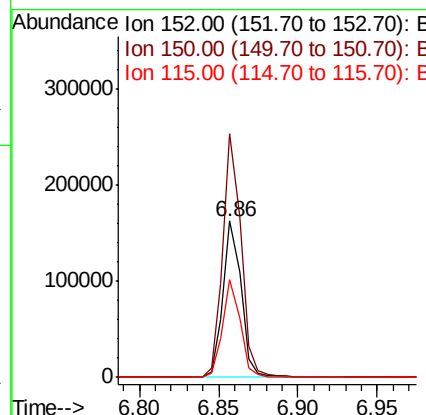
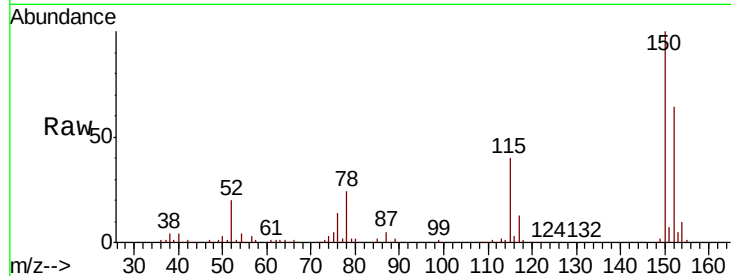
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF118234.D
 Acq: 17 Dec 2019 18:55

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-121319

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	128.3	192.5
115	62.2	51.1	76.7

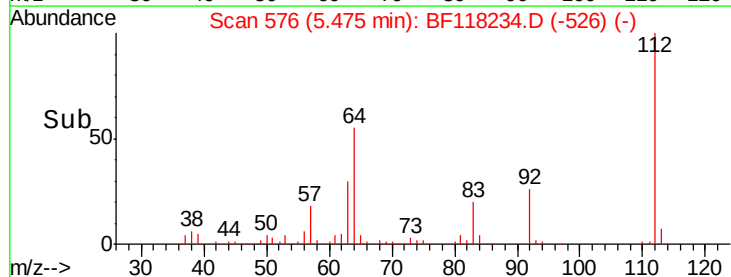
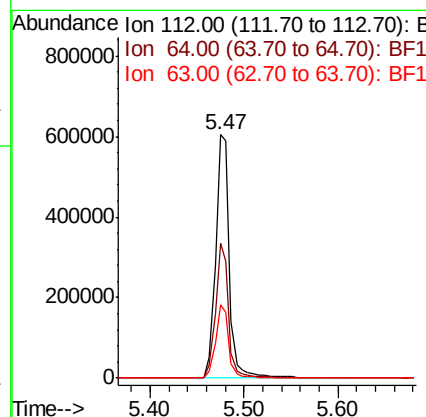
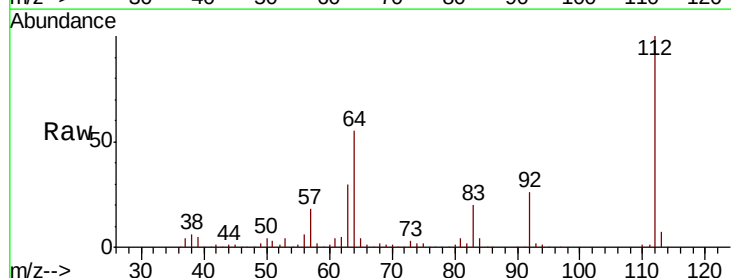
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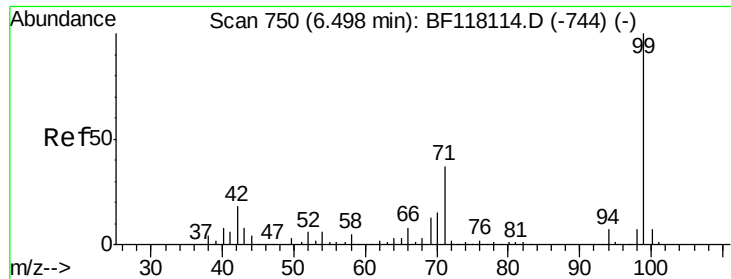
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#5
 2-Fluorophenol
 Concen: 85.447 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF118234.D
 Acq: 17 Dec 2019 18:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	41.3	61.9
63	29.9	22.4	33.6





#7

Phenol-d6

Concen: 88.501 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

Instrument :

BNA_F

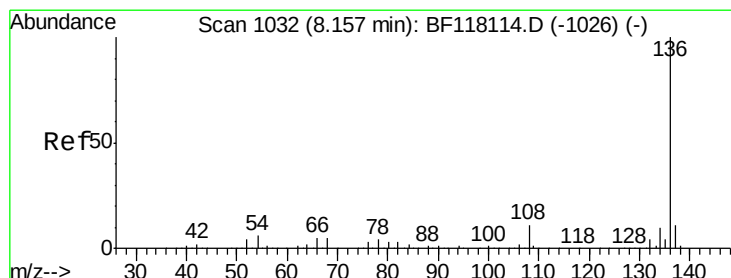
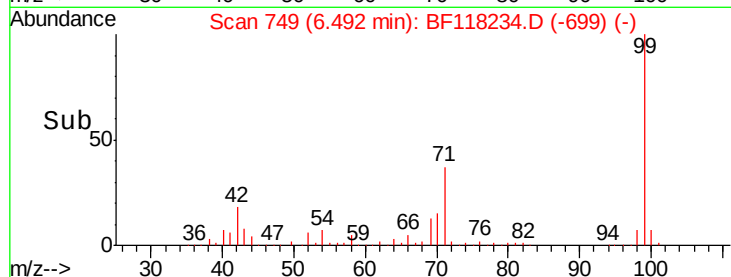
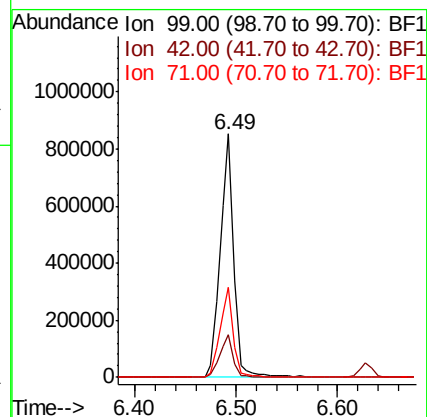
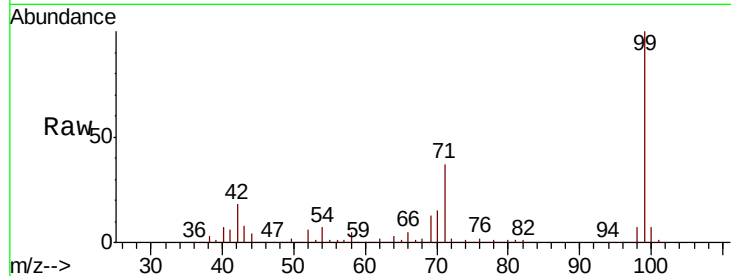
ClientSampled :

OR-02-121319

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		791642		
42	17.6	14.1	21.1		
71	36.9	29.7	44.5		

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#21

Naphthalene-d8

Concen: 20.000 ng

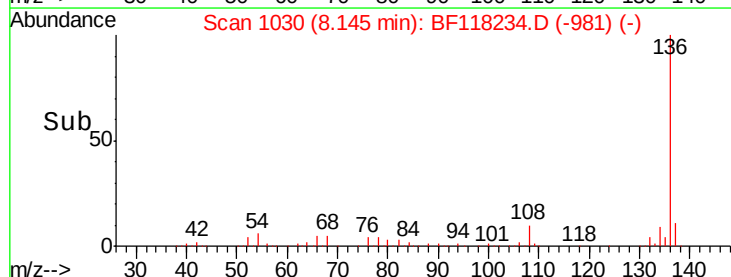
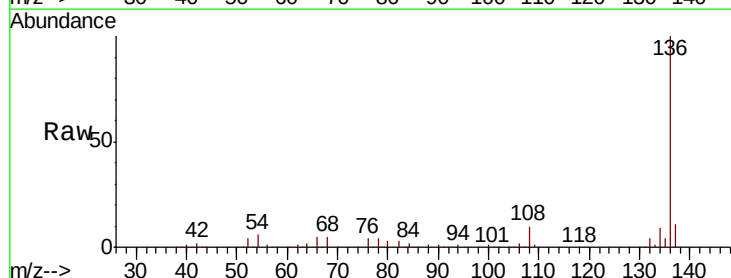
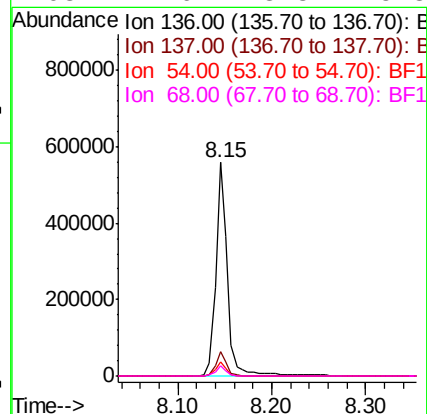
RT: 8.15 min Scan# 1030

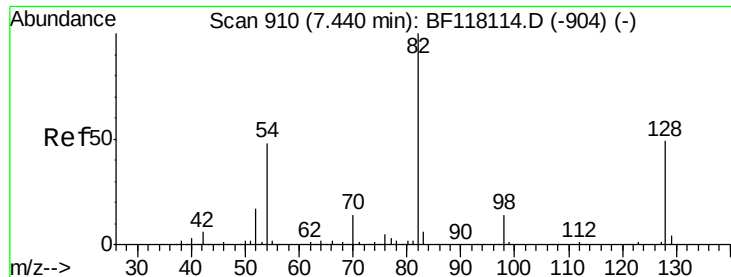
Delta R.T. -0.01 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		490588		
137	11.2	9.0	13.6		
54	6.5	5.0	7.6		
68	4.6	3.8	5.8		





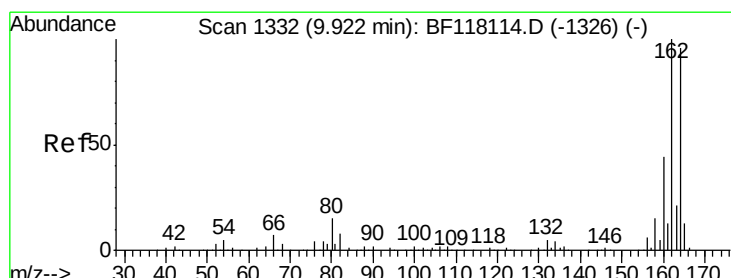
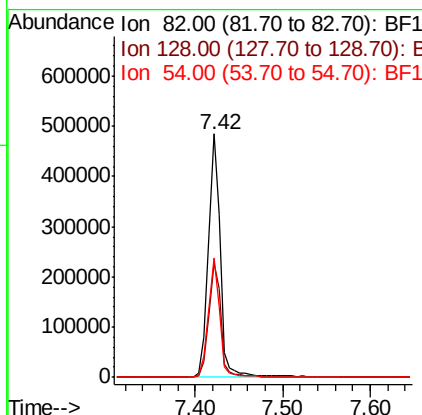
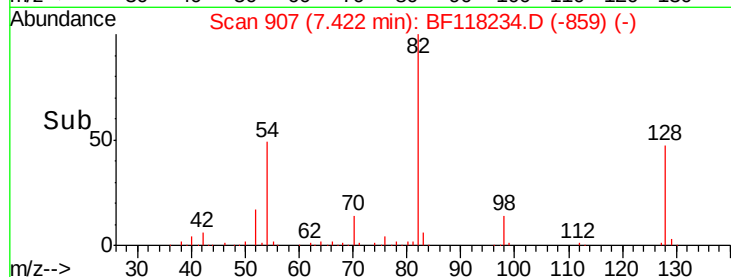
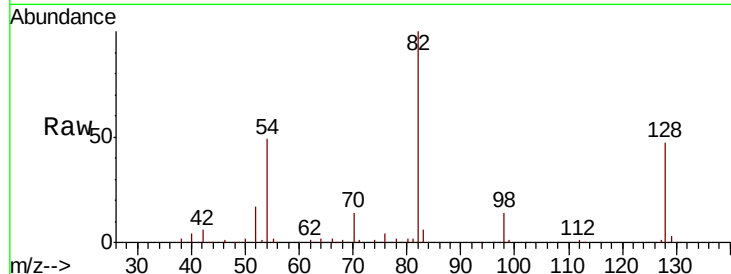
#23
Nitrobenzene-d5
Concen: 53.686 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118234.D
Acq: 17 Dec 2019 18:55

Instrument :
BNA_F
ClientSampleId :
OR-02-121319

Tot Ion	Ratio	Resp	Lower	Upper
82	100	468157		
128	46.9		39.1	58.7
54	49.0		38.2	57.2

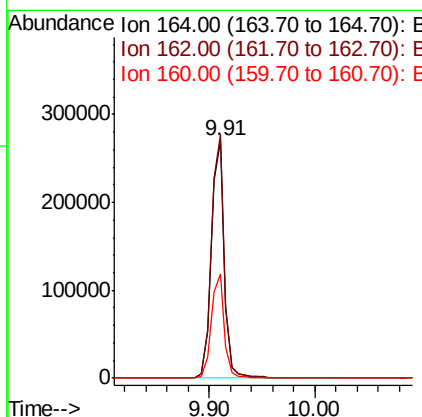
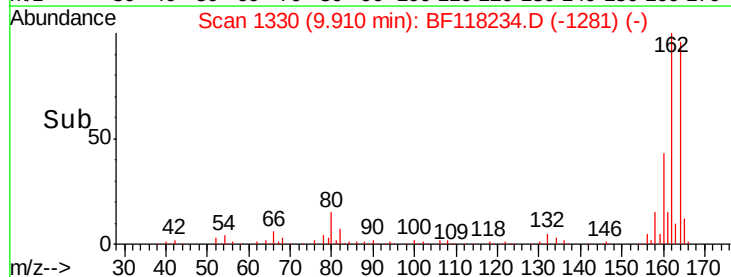
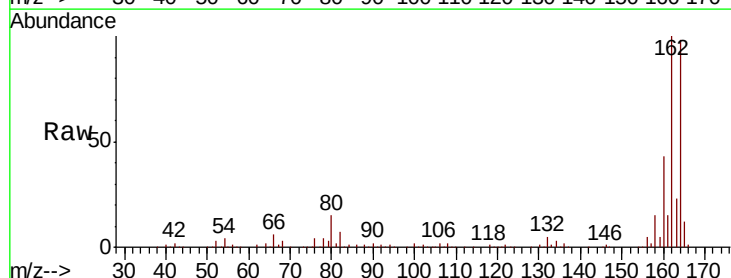
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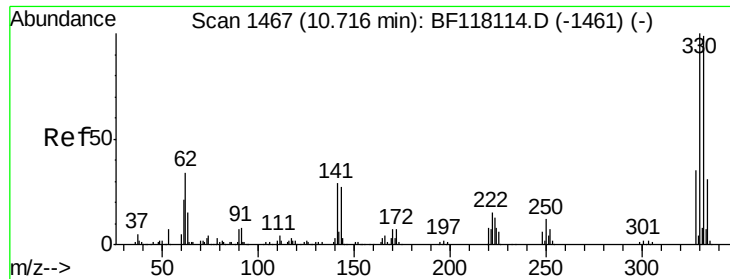
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF118234.D
Acq: 17 Dec 2019 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	233578		
162	102.6		83.4	125.0
160	44.1		36.6	54.8





#42

2,4,6-Tribromophenol

Concen: 67.309 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

Instrument :

BNA_F

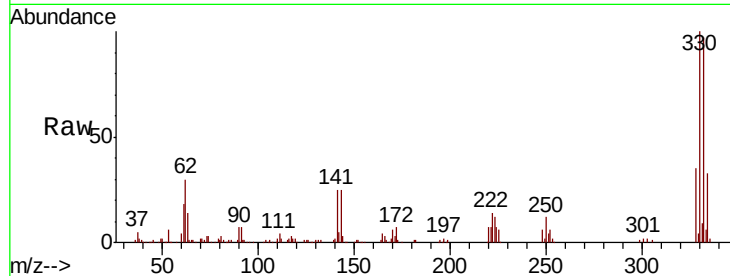
ClientSampleId :

OR-02-121319

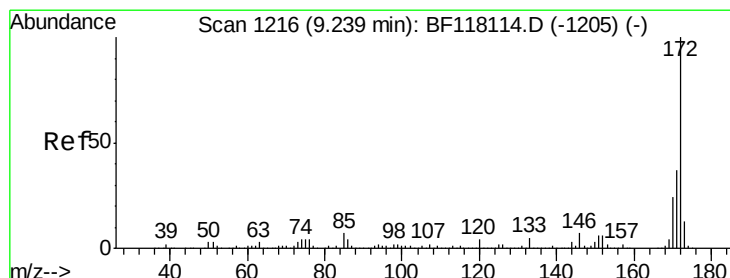
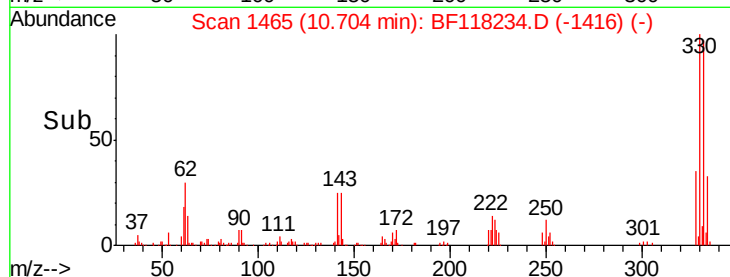
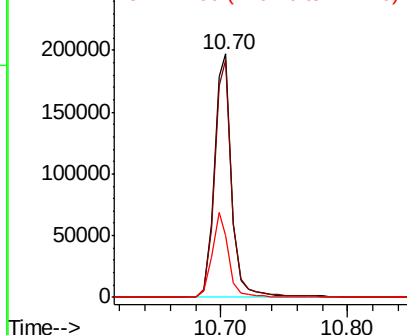
Tot Ion:	330	Resp:	190991
Ion Ratio	Lower	Upper	
330	100		
332	97.3	78.1	117.1
141	33.0	26.9	40.3

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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: 55.895 ng

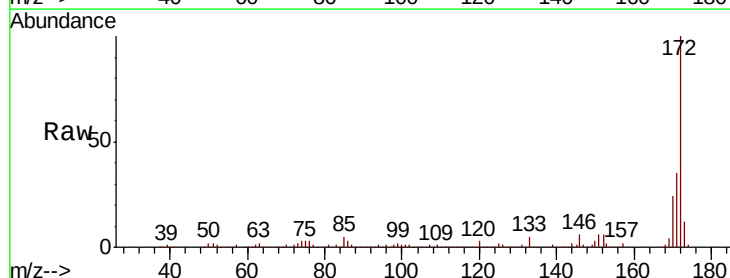
RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

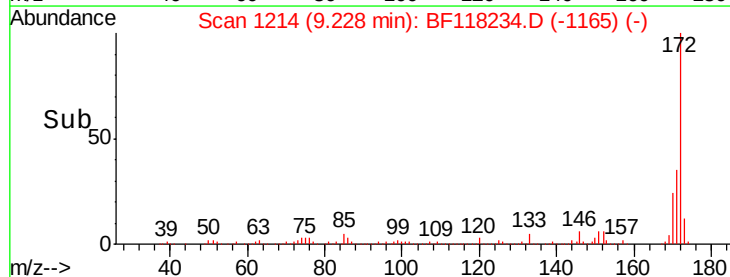
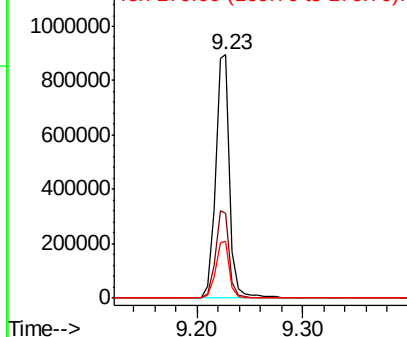
Lab File: BF118234.D

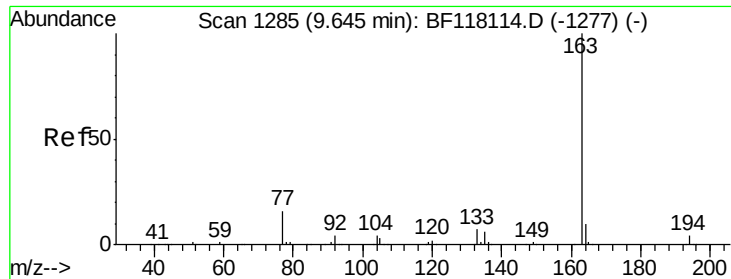
Acq: 17 Dec 2019 18:55

Tgt Ion:	172	Resp:	858003
Ion Ratio	Lower	Upper	
172	100		
171	35.0	29.2	43.8
170	23.5	19.4	29.2



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: 2.088 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

Instrument :

BNA_F

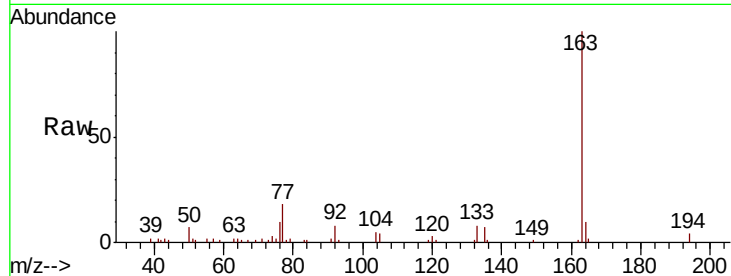
ClientSampleId :

OR-02-121319

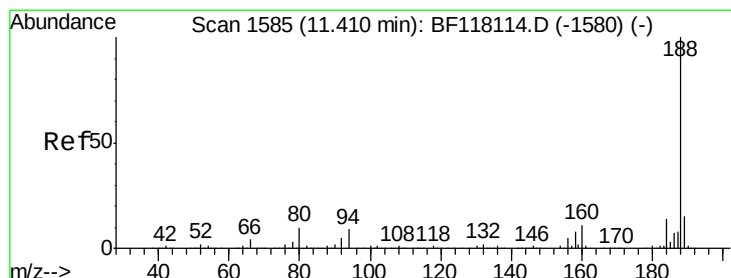
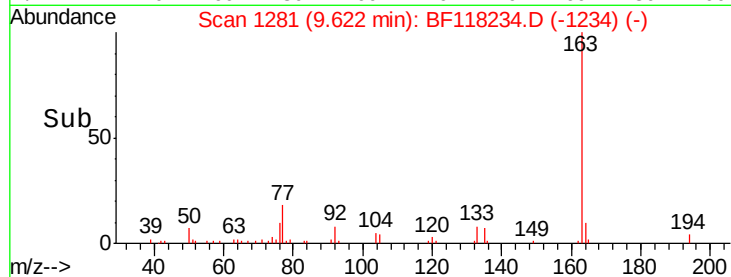
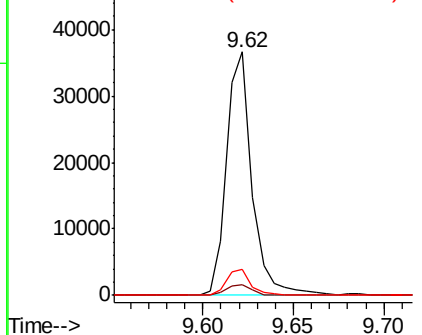
Tot Ion:	163	Resp:	36032
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.1	4.7
164	10.4	7.7	11.5

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

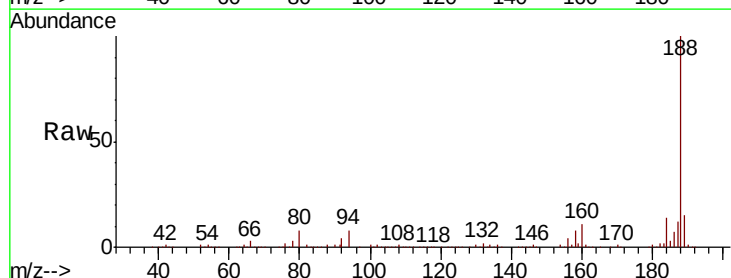
RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

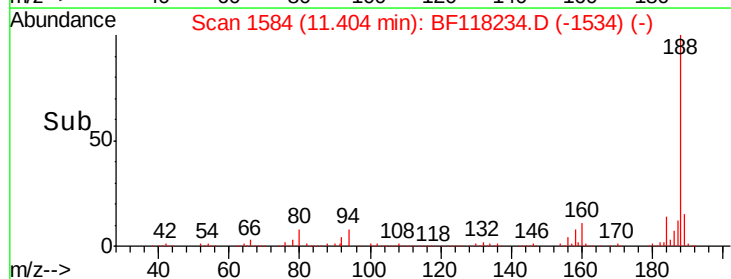
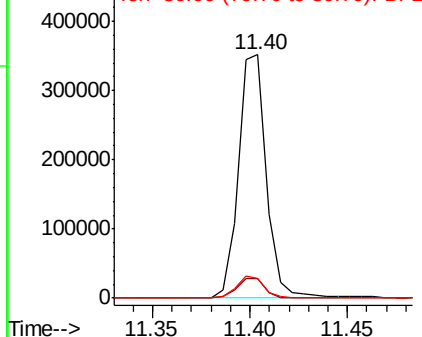
Lab File: BF118234.D

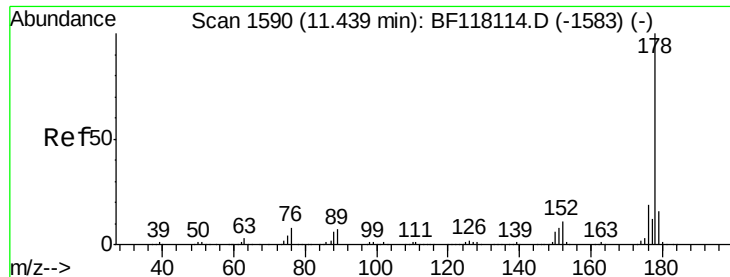
Acq: 17 Dec 2019 18:55

Tgt Ion:	188	Resp:	347155
Ion Ratio	Lower	Upper	
188	100		
94	7.8	7.1	10.7
80	8.0	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: 5.849 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

Instrument :

BNA_F

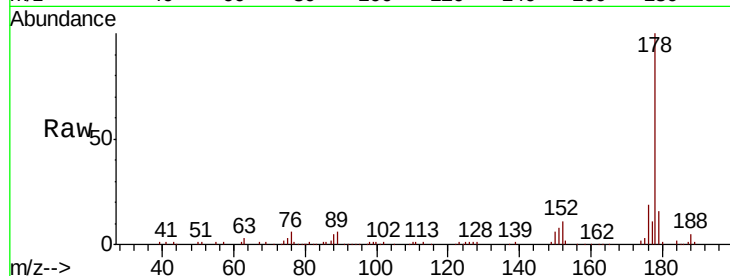
ClientSampleId :

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Tot Ion:	178	Resp:	107939
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.5	23.3
179	15.7	12.6	18.8

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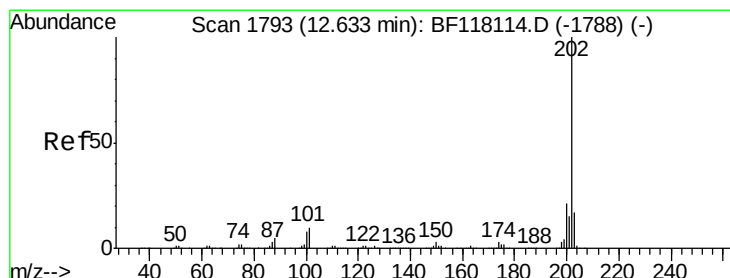
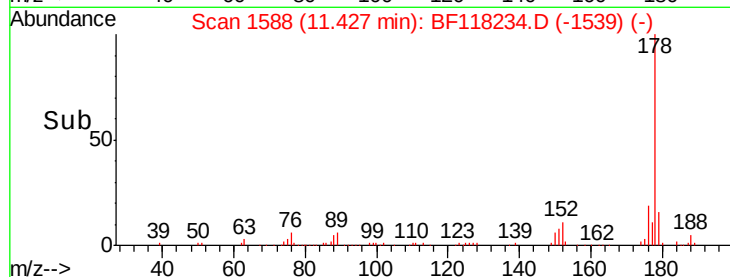
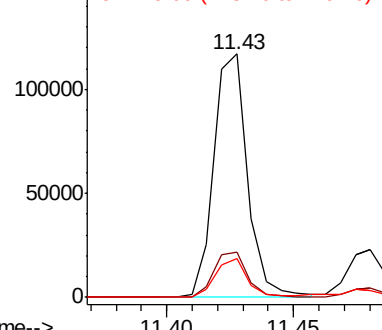


Abundance

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: 6.606 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

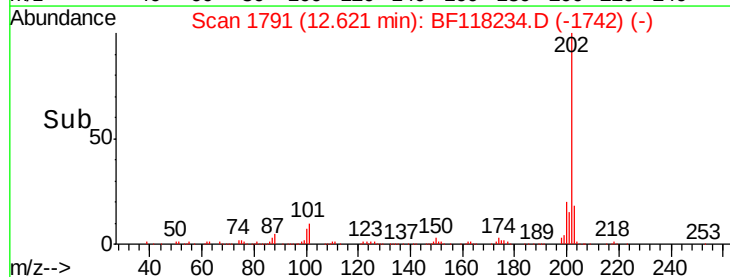
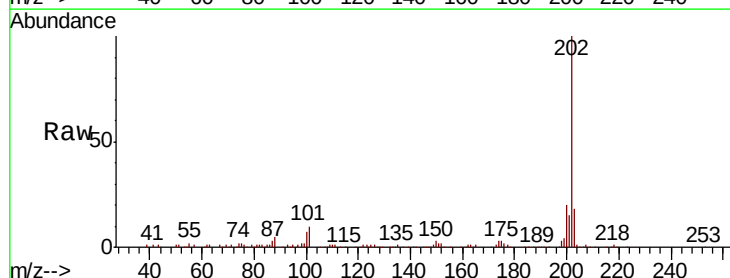
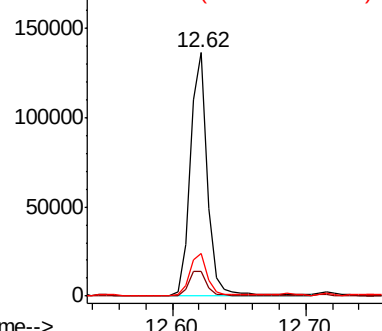
Tgt Ion:	202	Resp:	124647
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	30.4
203	17.7	0.0	37.2

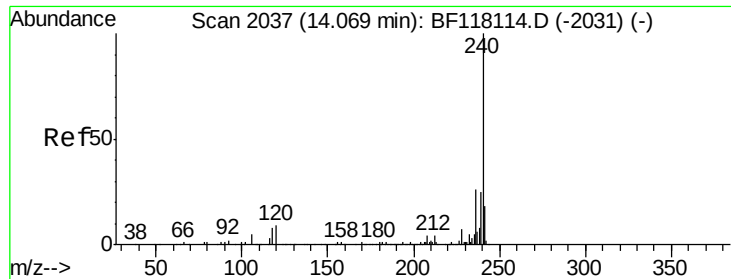
Abundance

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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

Instrument :

BNA_F

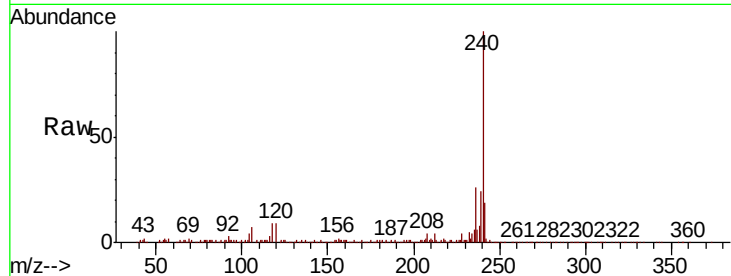
ClientSampleId :

OR-02-121319

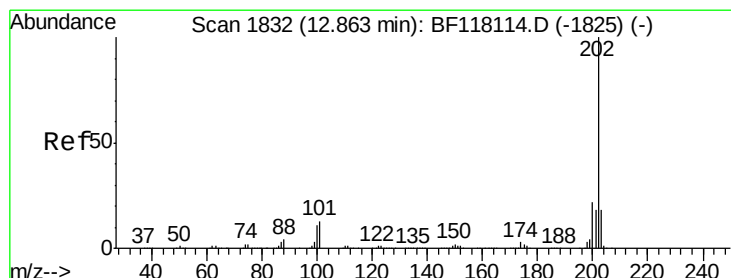
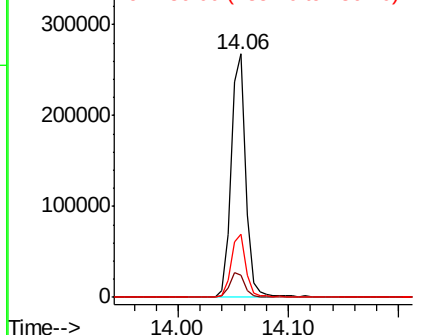
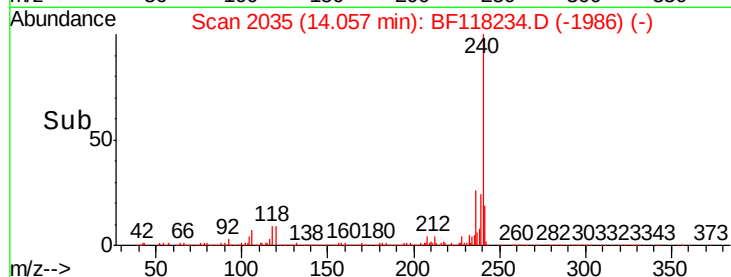
Tot Ion:	240	Resp:	249522
Ion Ratio	Lower	Upper	
240	100		
120	8.9	7.1	10.7
236	25.9	21.0	31.6

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 5.682 ng

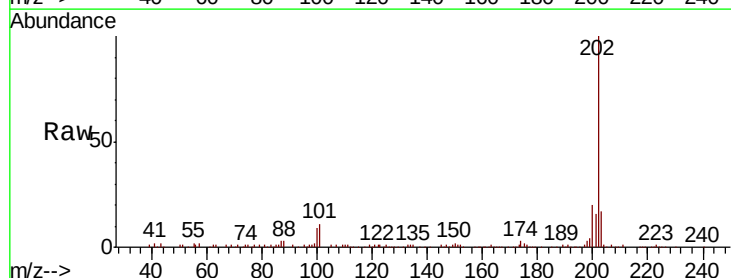
RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

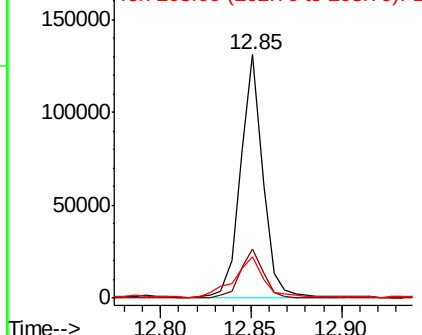
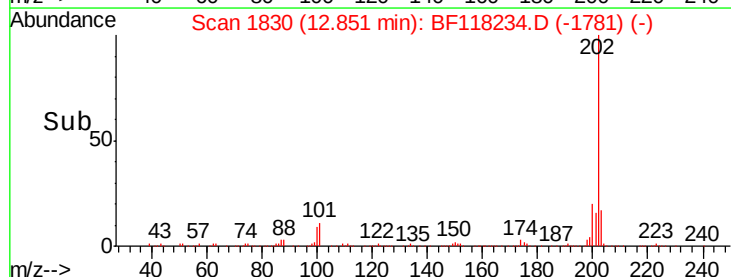
Lab File: BF118234.D

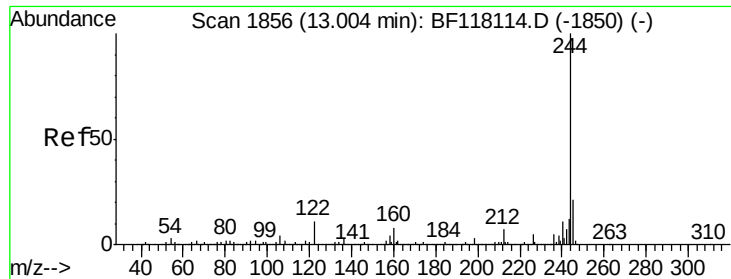
Acq: 17 Dec 2019 18:55

Tgt Ion:	202	Resp:	111736
Ion Ratio	Lower	Upper	
202	100		
200	20.2	17.5	26.3
203	16.9	14.6	21.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





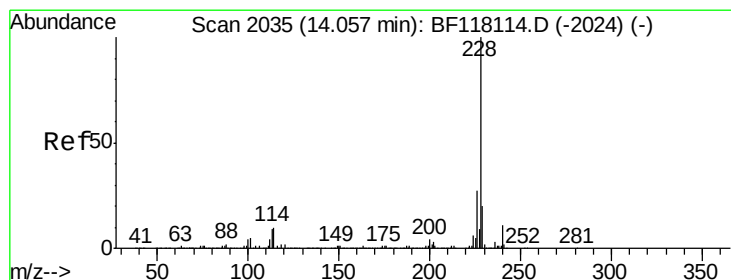
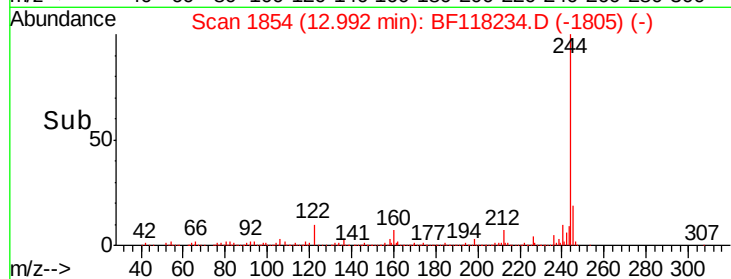
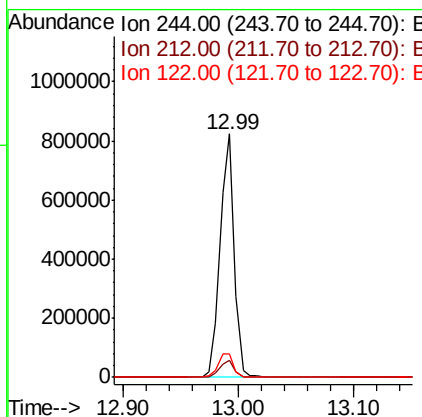
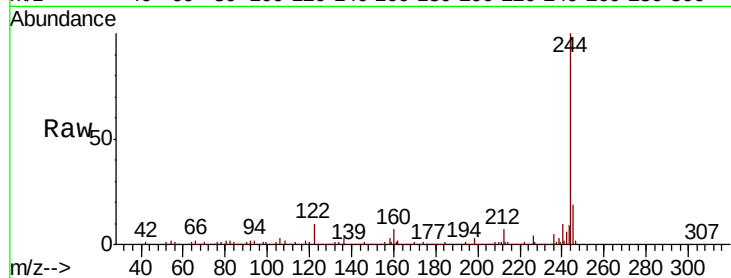
#79
 Terphenyl-d14
 Concen: 48.189 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF118234.D
 Acq: 17 Dec 2019 18:55

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-121319

Tot Ion	Ratio	Resp	Lower	Upper
244	100	699233		
212	6.8		5.9	8.9
122	9.9		9.0	13.6

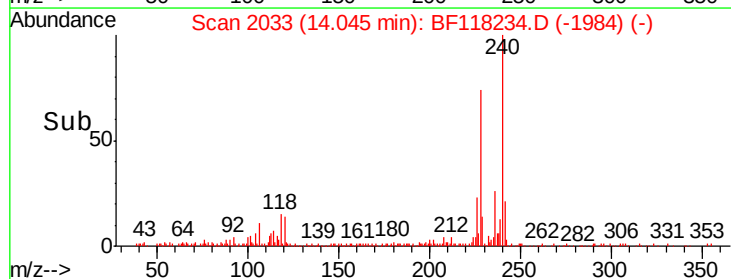
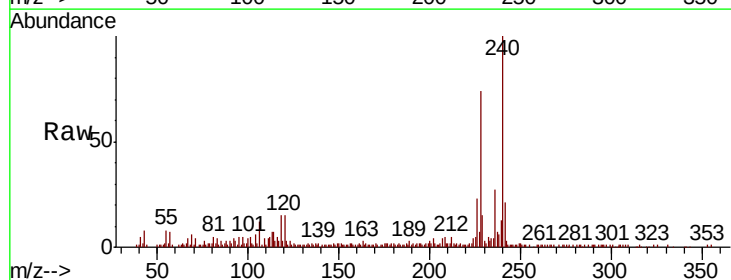
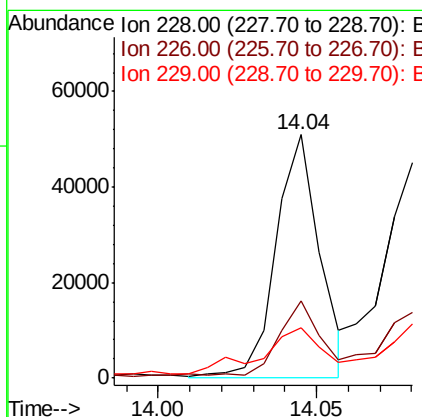
Manual Integrations
 APPROVED

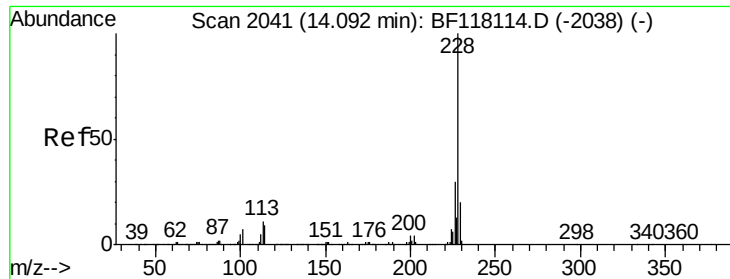
mohammad
 12/18/2019 2:41:14 PM



#81
 Benzo(a)anthracene
 Concen: 2.824 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF118234.D
 Acq: 17 Dec 2019 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	48717		
226	31.6		21.8	32.8
229	20.4		15.8	23.8





#83

Chrysene

Concen: 2.797 ng/mL

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

Instrument :

BNA_F

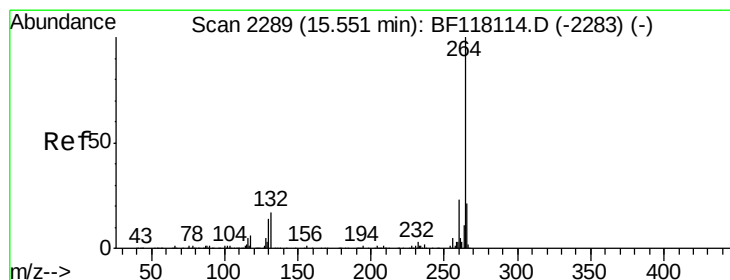
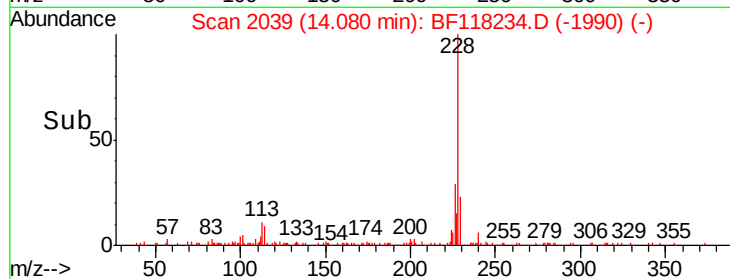
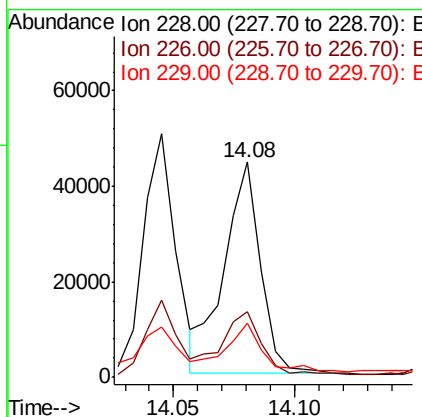
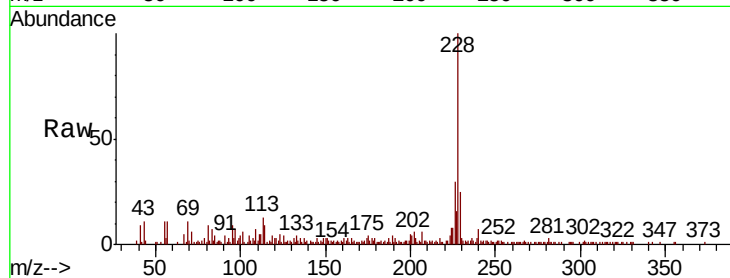
ClientSampleId :

OR-02-121319

Tot Ion:	228	Resp:	46090
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.8	35.8
229	25.4	15.7	23.5

Manual Integrations
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#87

Perylene-d12

Concen: 20.000 ng

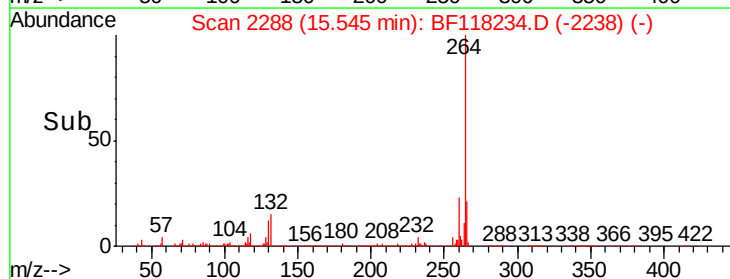
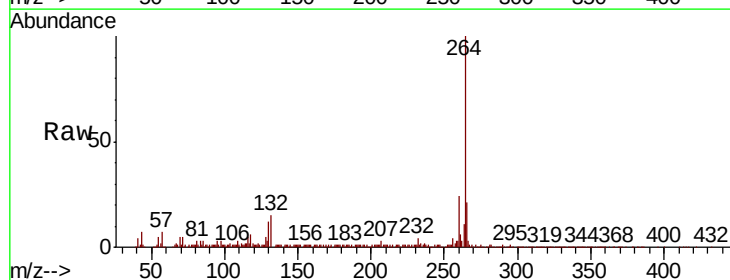
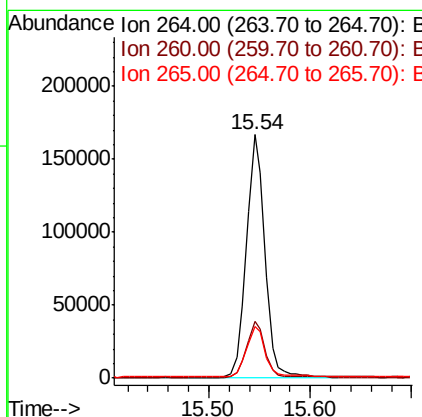
RT: 15.54 min Scan# 2288

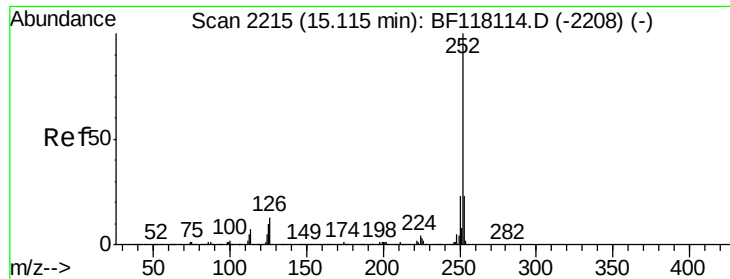
Delta R.T. -0.01 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

Tgt Ion:	264	Resp:	211487
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.6	28.0
265	21.1	16.8	25.2





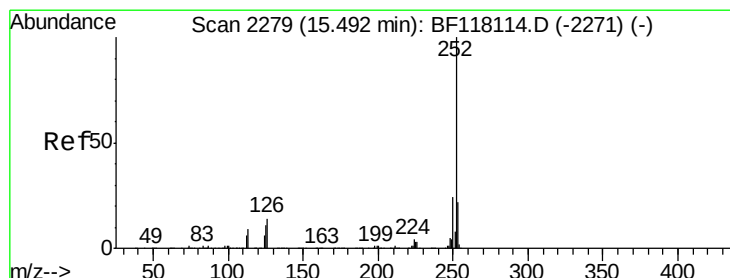
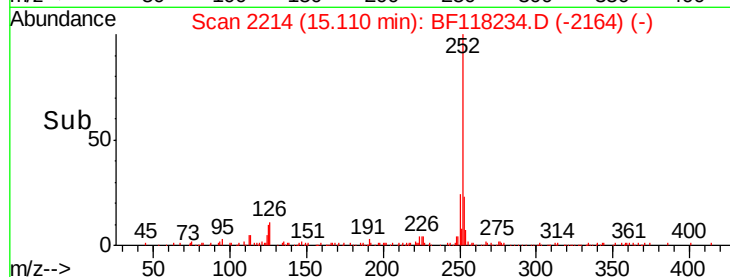
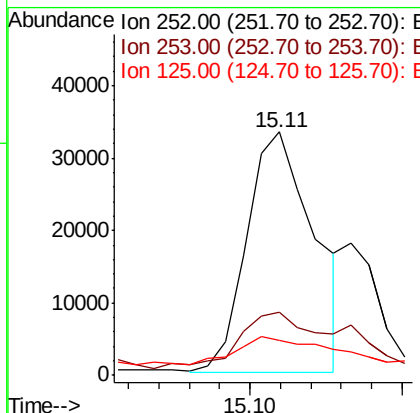
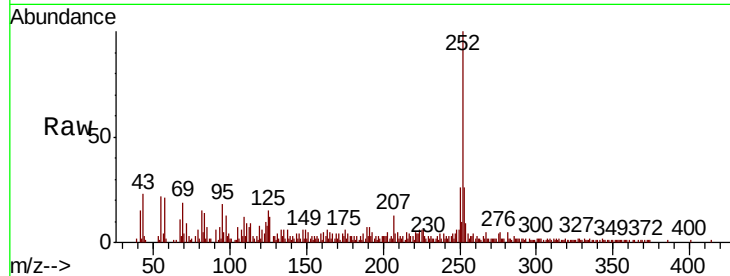
#88
Benzo(b)fluoranthene
Concen: 3.649 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF118234.D
Acq: 17 Dec 2019 18:55

Instrument :
BNA_F
ClientSampleId :
OR-02-121319

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.2	27.4
125	14.5	8.3	12.5

Manual Integrations
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12/18/2019 2:41:14 PM



#90
Benzo(a)pyrene
Concen: 2.675 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BF118234.D
Acq: 17 Dec 2019 18:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.5	26.3
125	15.1	9.1	13.7

