

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
 Data File : BF115150.D
 Acq On : 24 Jun 2019 16:14
 Operator : HP/JU
 Sample : K3159-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-061919-A

Manual Integrations
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mohammad
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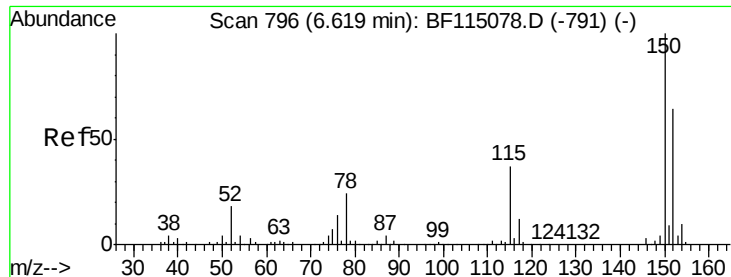
Quant Time: Jun 24 16:46:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 24 04:21:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	237847	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	867780	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	395716	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	712095	20.00	ng	-0.01
76) Chrysene-d12	13.73	240	593165	20.00	ng	-0.02
87) Perylene-d12	15.09	264	678775	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	1241799	80.57	ng	0.00
7) Phenol-d6	6.25	99	1504149	80.40	ng	0.00
23) Nitrobenzene-d5	7.17	82	900563	63.84	ng	-0.02
42) 2,4,6-Tribromophenol	10.42	330	325406	77.98	ng	-0.01
45) 2-Fluorobiphenyl	8.97	172	1526568	65.53	ng	-0.02
79) Terphenyl-d14	12.69	244	1431991	51.33	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
38) 1-Methylnaphthalene	8.70	142	60577	2.208	ng	98
49) Acenaphthylene	9.50	152	131803	3.294	ng	98
50) Dimethylphthalate	9.36	163	188488	6.474	ng	98
52) Acenaphthene	9.67	154	56887	2.272	ng	99
71) Phenanthrene	11.13	178	767692	20.023	ng	98
72) Anthracene	11.18	178	235483	6.085	ng	98
75) Fluoranthene	12.31	202	1117354	29.209	ng	97
78) Pyrene	12.54	202	1173824	25.750	ng	100
81) Benzo(a)anthracene	13.72	228	564635	13.266	ng	93
83) Chrysene	13.75	228	543451	13.939	ng	96
86) Indeno(1,2,3-cd)pyrene	16.37	276	244298	5.295	ng	94
88) Benzo(b)fluoranthene	14.72	252	638860m	15.084	ng	
89) Benzo(k)fluoranthene	14.74	252	214999m	5.661	ng	
90) Benzo(a)pyrene	15.04	252	497110	13.022	ng	98
92) Benzo(a,h,i)perylene	16.74	276	231697	6.424	ng	95

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



#1

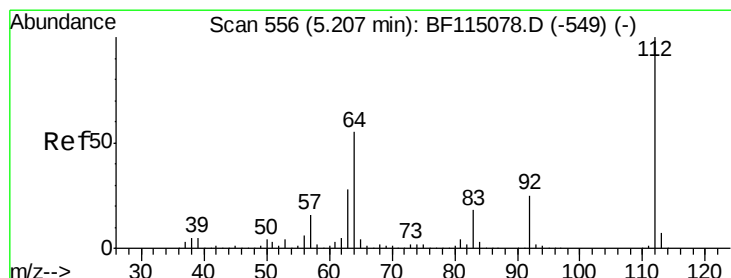
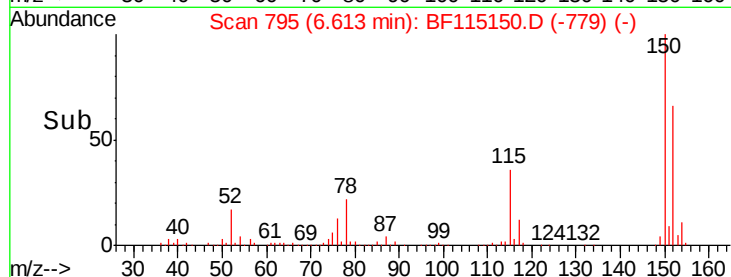
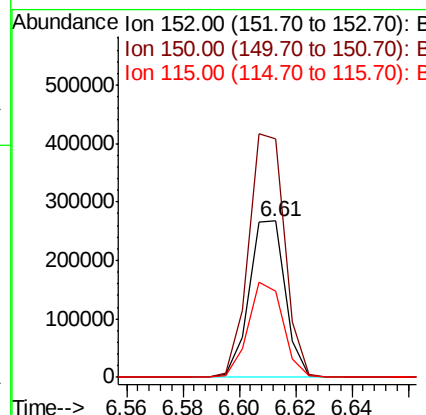
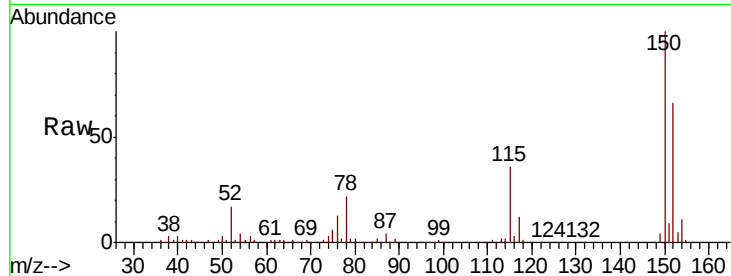
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.61 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF115150.D
 Acq: 24 Jun 2019 16:14

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-061919-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	124.2	186.2
115	54.9	46.1	69.1

Manual Integrations
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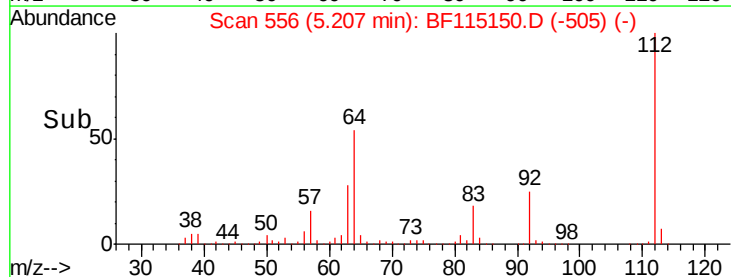
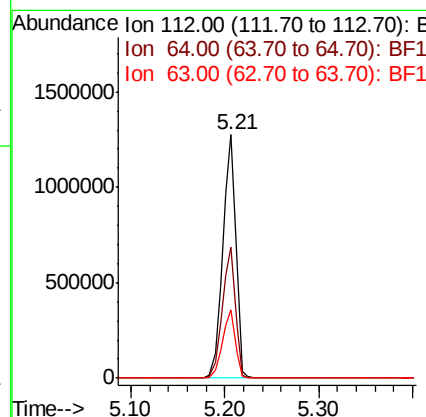
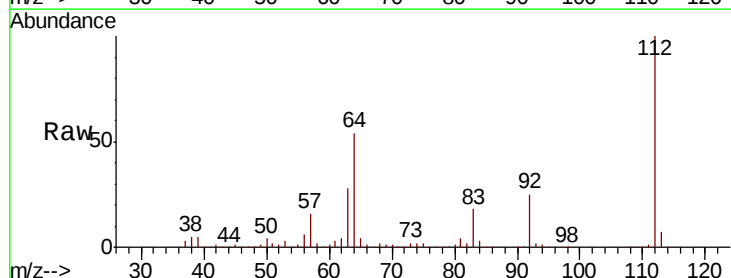
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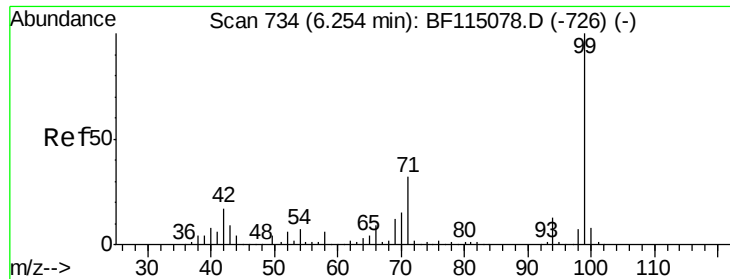


#5

2-Fluorophenol
 Concen: 80.569 ng
 RT: 5.21 min Scan# 556
 Delta R.T. -0.00 min
 Lab File: BF115150.D
 Acq: 24 Jun 2019 16:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	43.8	65.6
63	27.8	22.2	33.4





#7

Phenol-d6

Concen: 80.404 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF115150.D

Acq: 24 Jun 2019 16:14

Instrument :

BNA_F

ClientSampleId :

OR-02-061919-A

Tot Ion: 99 Resp: 1504149

Ion Ratio Lower Upper

99 100

42 16.2 13.6 20.4

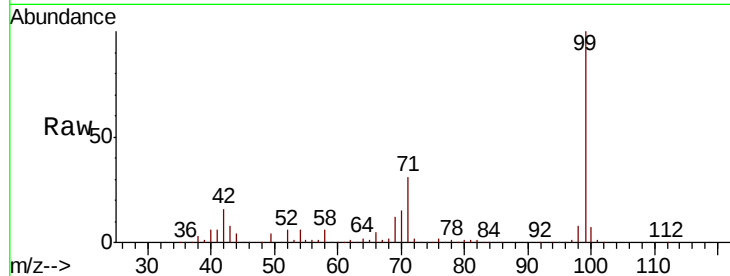
71 31.0 25.5 38.3

Manual Integrations

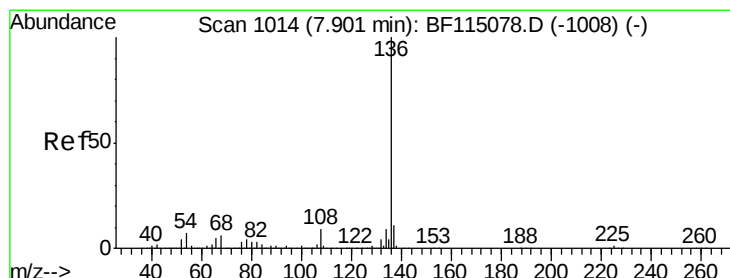
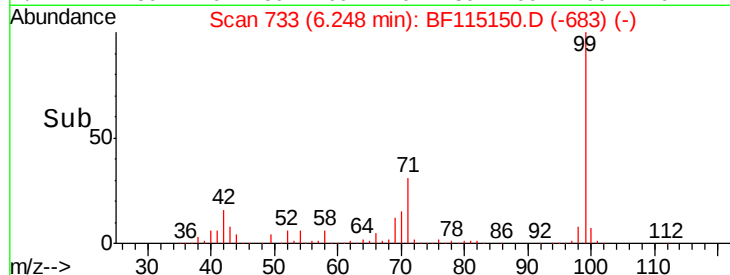
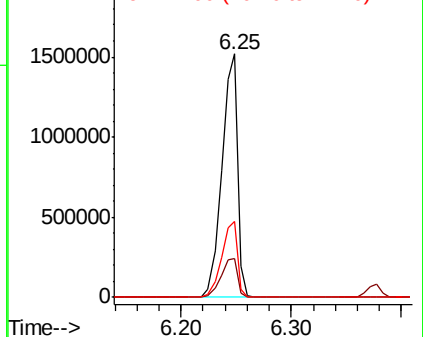
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF115150.D

Acq: 24 Jun 2019 16:14

Tgt Ion: 136 Resp: 867780

Ion Ratio Lower Upper

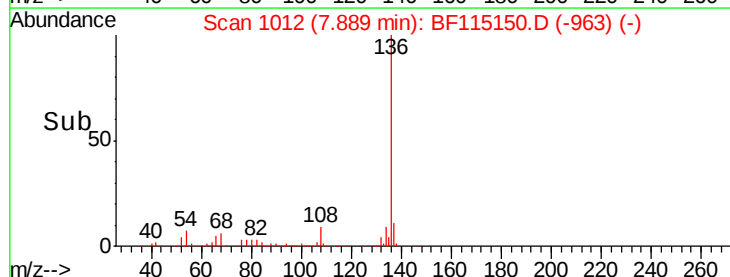
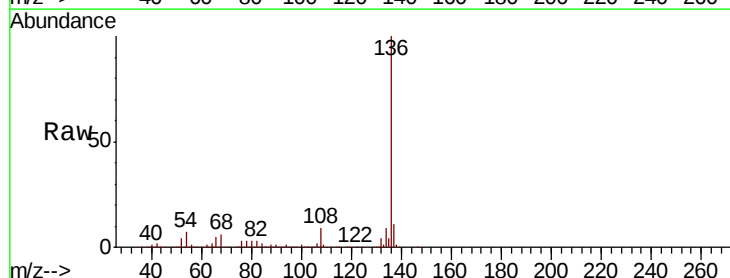
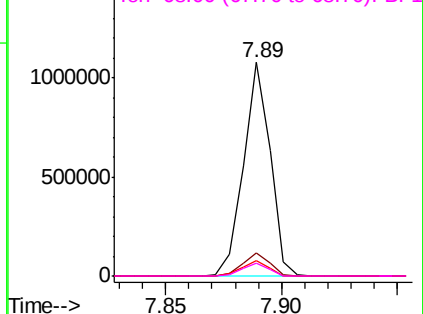
136 100

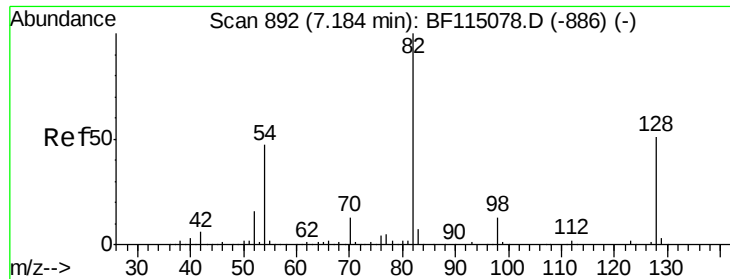
137 11.1 8.9 13.3

54 7.2 5.6 8.4

68 6.1 4.8 7.2

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





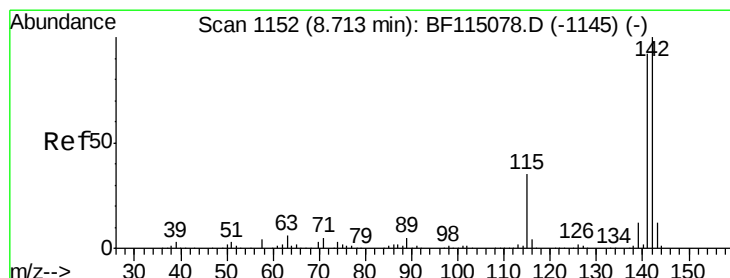
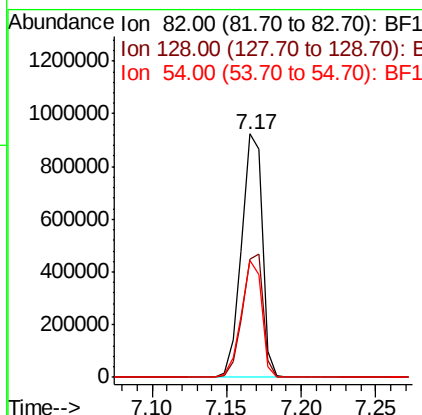
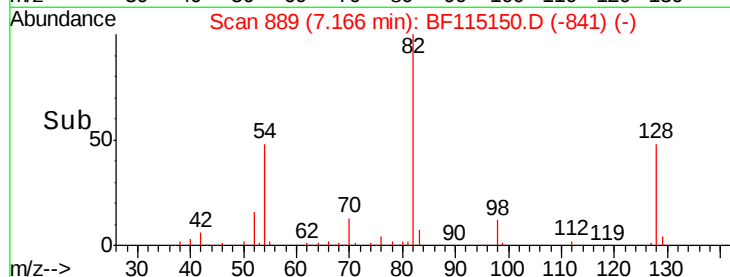
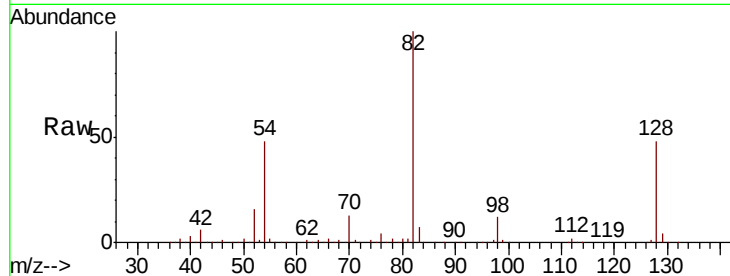
#23
Nitrobenzene-d5
Concen: 63.839 ng
RT: 7.17 min Scan# 889
Delta R.T. -0.02 min
Lab File: BF115150.D
Acq: 24 Jun 2019 16:14

Instrument :
BNA_F
ClientSampleId :
OR-02-061919-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	40.4	60.6
54	48.0	37.5	56.3

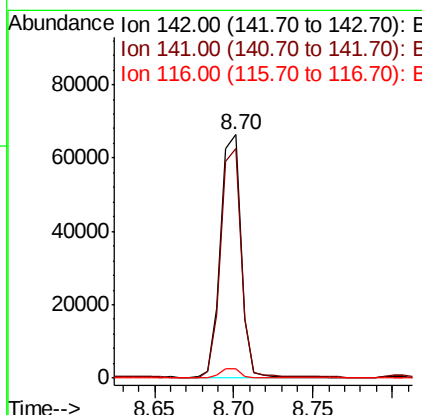
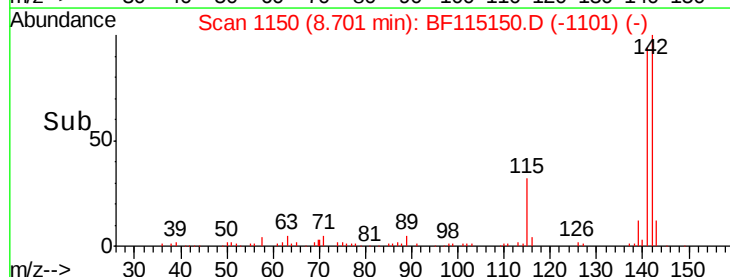
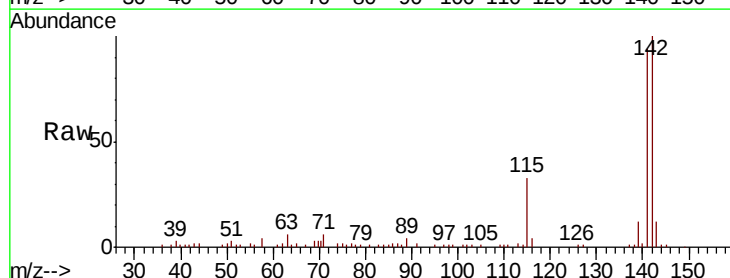
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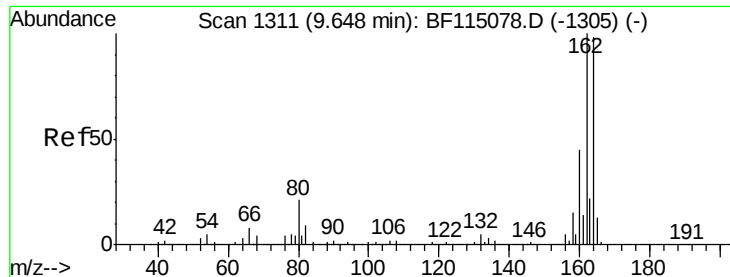
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#38
1-Methylnaphthalene
Concen: 2.208 ng
RT: 8.70 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF115150.D
Acq: 24 Jun 2019 16:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.1	73.8	110.8
116	3.8	2.8	4.2





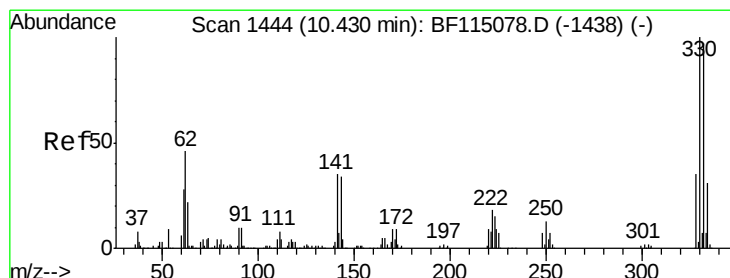
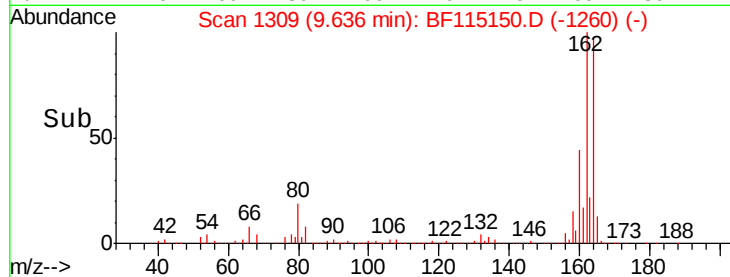
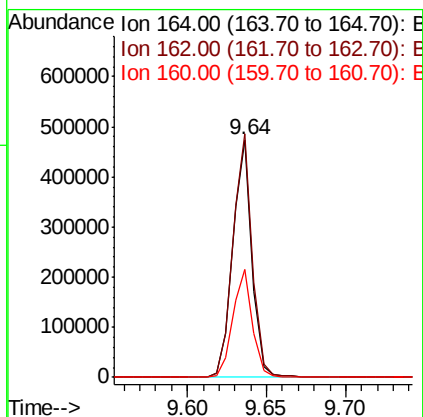
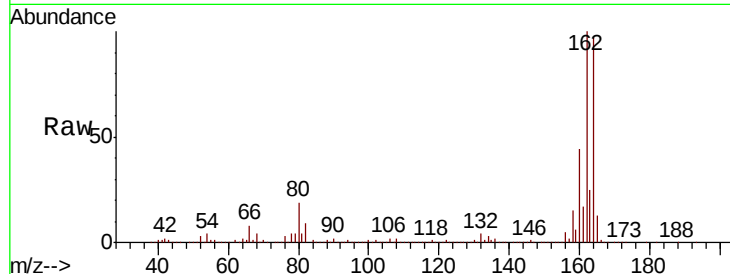
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF115150.D
Acq: 24 Jun 2019 16:14

Instrument :
BNA_F
ClientSampleId :
OR-02-061919-A

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.7	122.5
160	45.6	37.0	55.4

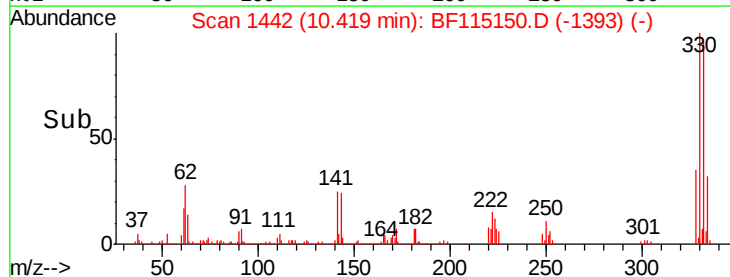
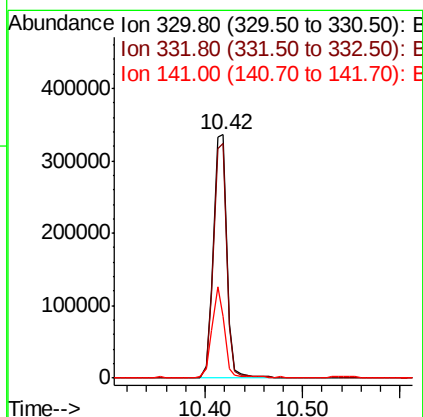
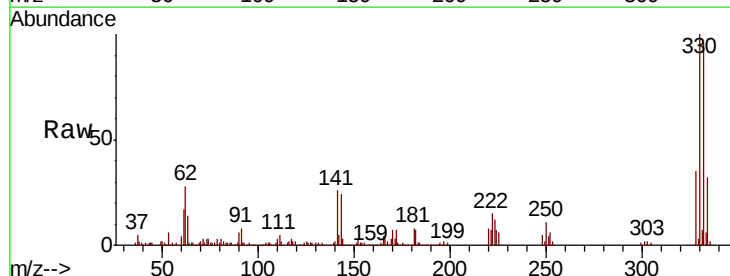
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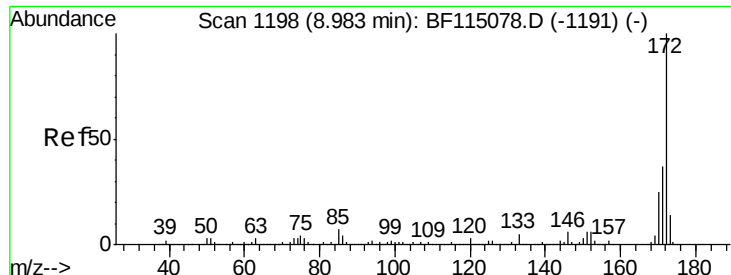
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#42
2,4,6-Tribromophenol
Concen: 77.980 ng
RT: 10.42 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF115150.D
Acq: 24 Jun 2019 16:14

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.3	115.9
141	33.8	28.2	42.2





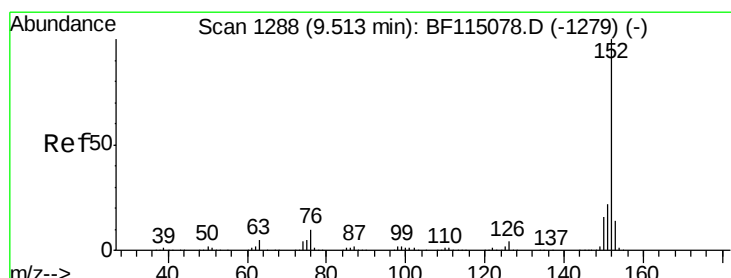
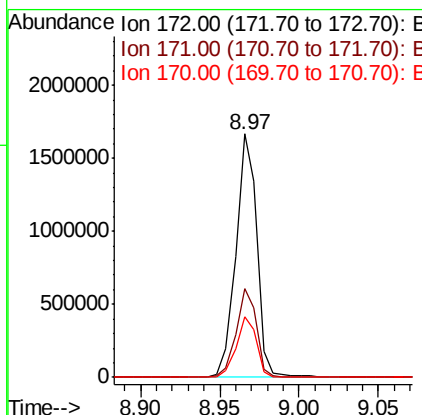
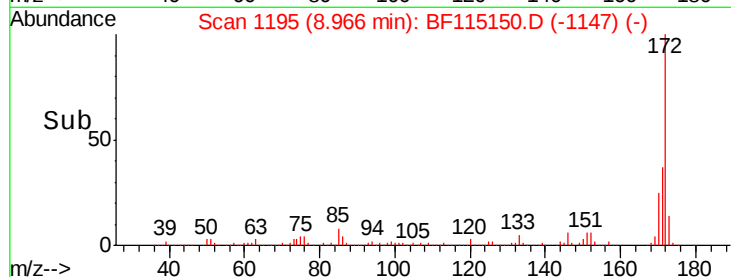
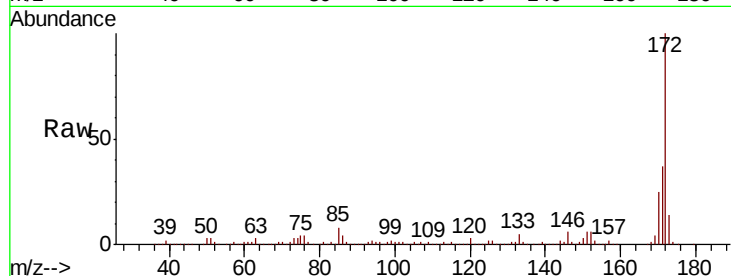
#45
2-Fluorobiphenyl
Concen: 65.528 ng
RT: 8.97 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BF115150.D
Acq: 24 Jun 2019 16:14

Instrument :
BNA_F
ClientSampleId :
OR-02-061919-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.8	44.6
170	24.7	20.3	30.5

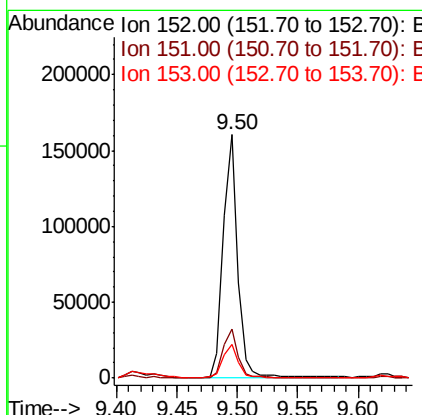
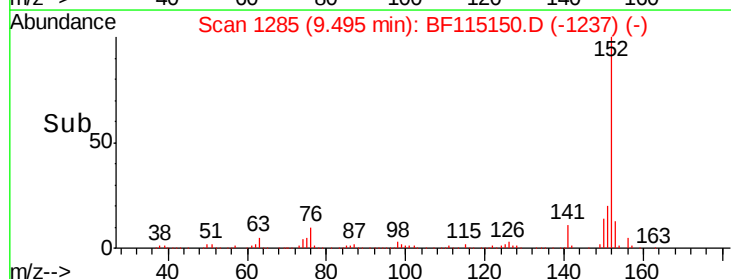
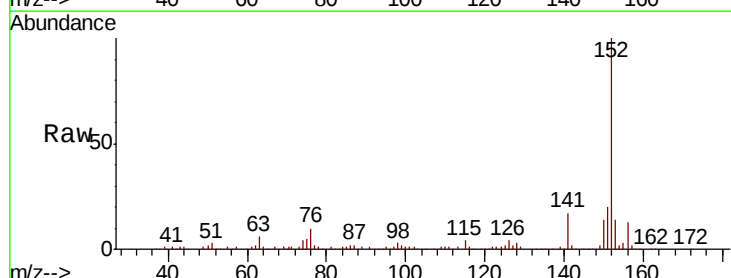
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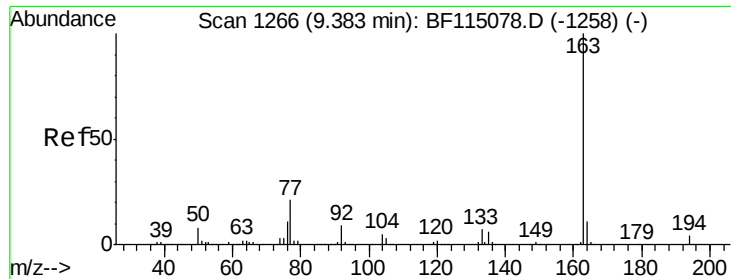
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#49
Acenaphthylene
Concen: 3.294 ng
RT: 9.50 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF115150.D
Acq: 24 Jun 2019 16:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	17.2	25.8
153	14.0	11.0	16.6





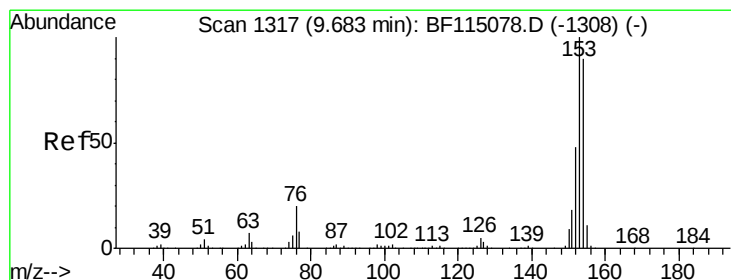
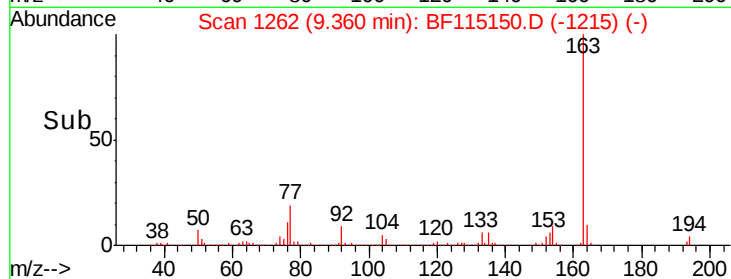
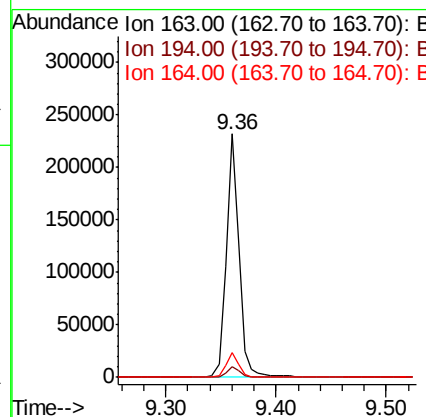
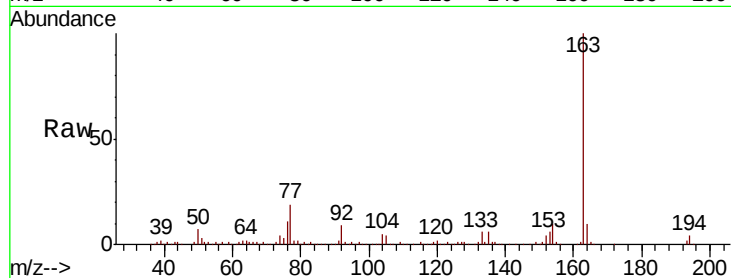
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Dimethylphthalate
Concen: 6.474 ng
RT: 9.36 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF115150.D
Acq: 24 Jun 2019 16:14

Instrument :
BNA_F
ClientSampleId :
OR-02-061919-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	3.2	4.8	
164	9.9	8.6	13.0	

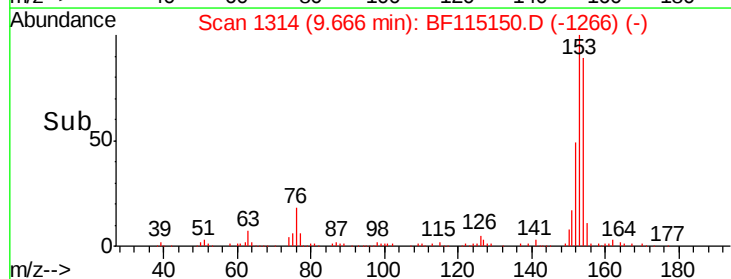
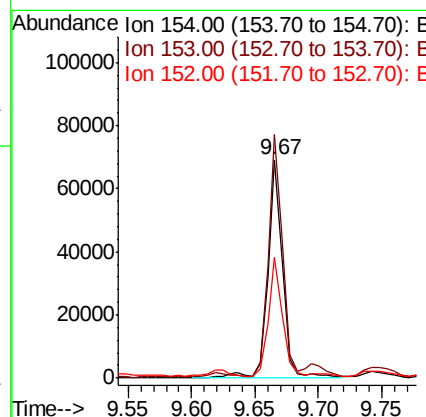
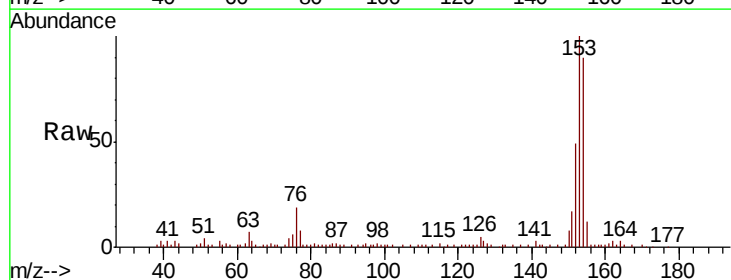
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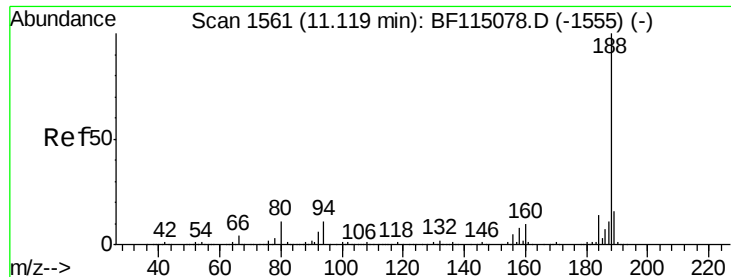
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#52
Acenaphthene
Concen: 2.272 ng
RT: 9.67 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF115150.D
Acq: 24 Jun 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	111.6	88.7	133.1	
152	55.1	42.6	64.0	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.11 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF115150.D

Acq: 24 Jun 2019 16:14

Instrument :

BNA_F

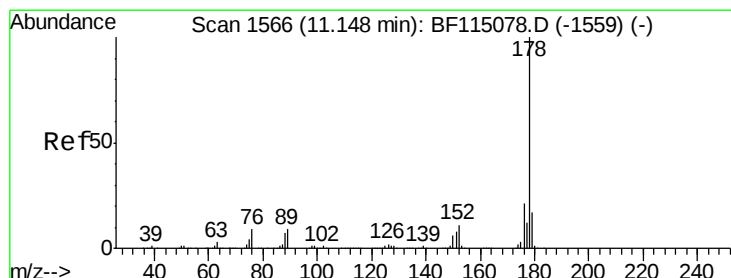
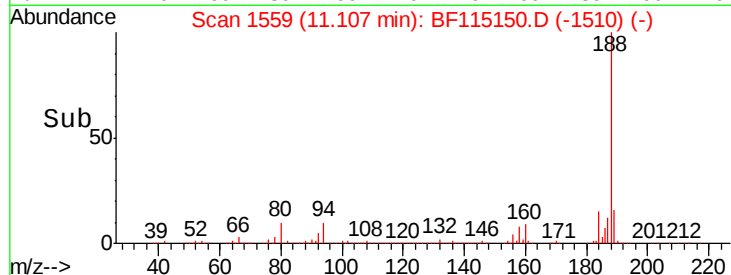
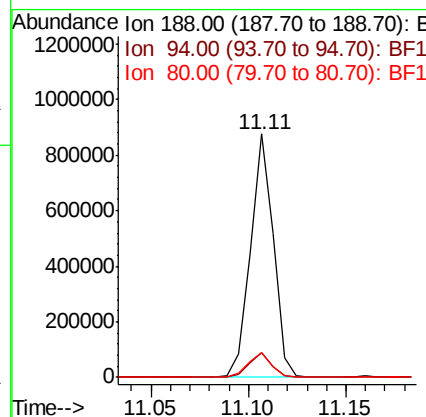
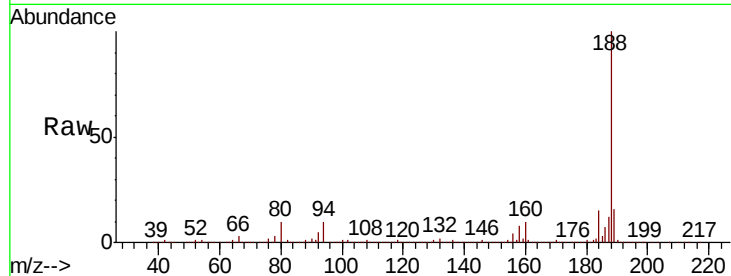
ClientSampleId :

OR-02-061919-A

Tot Ion:	188	Resp:	712095
Ion Ratio	Lower	Upper	
188	100		
94	10.1	8.6	12.8
80	10.2	8.8	13.2

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#71

Phenanthrene

Concen: 20.023 ng

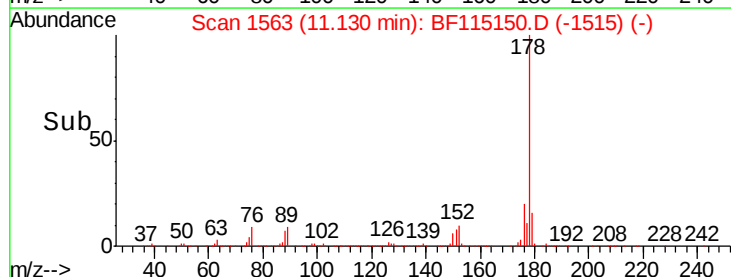
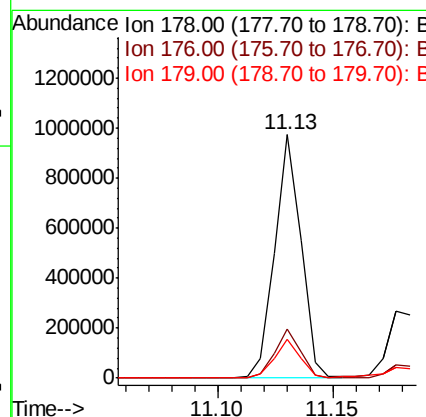
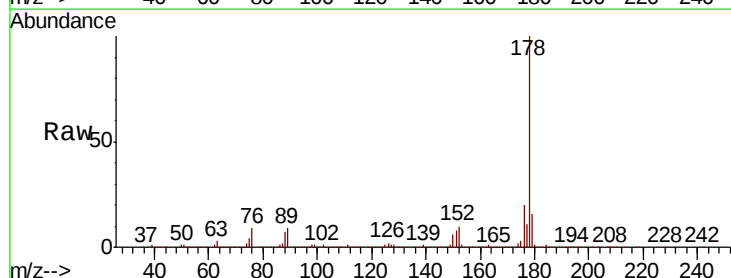
RT: 11.13 min Scan# 1563

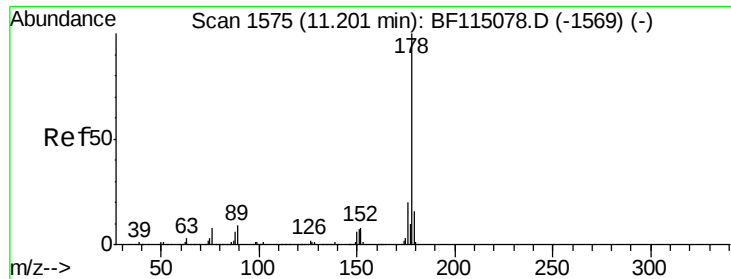
Delta R.T. -0.02 min

Lab File: BF115150.D

Acq: 24 Jun 2019 16:14

Tgt Ion:	178	Resp:	767692
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.9	25.3
179	16.0	13.2	19.8





#72

Anthracene

Concen: 6.085 ng

RT: 11.18 min Scan# 1571

Delta R.T. -0.02 min

Lab File: BF115150.D

Acq: 24 Jun 2019 16:14

Instrument :

BNA_F

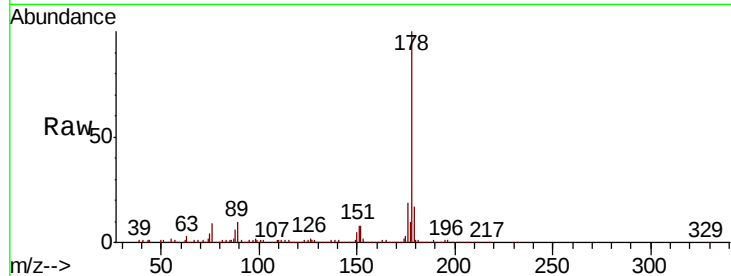
ClientSampleId :

OR-02-061919-A

Tot Ion:	178	Resp:	235483
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.1	24.1
179	16.7	12.9	19.3

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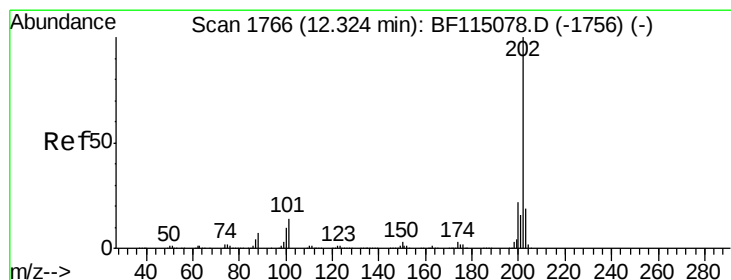
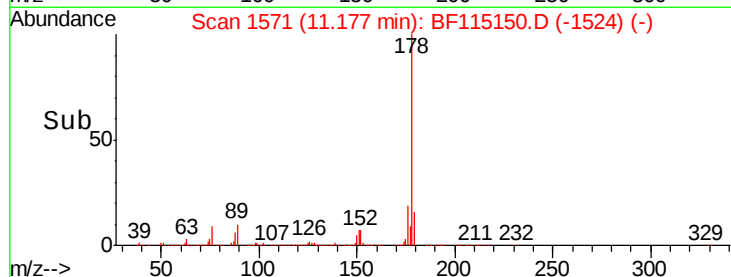
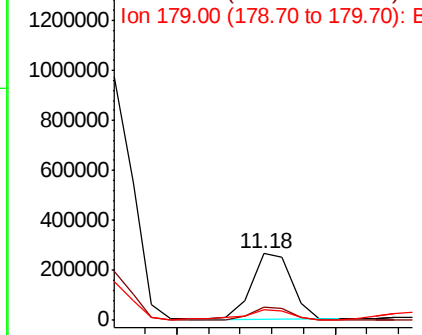


Abundance

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: 29.209 ng

RT: 12.31 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF115150.D

Acq: 24 Jun 2019 16:14

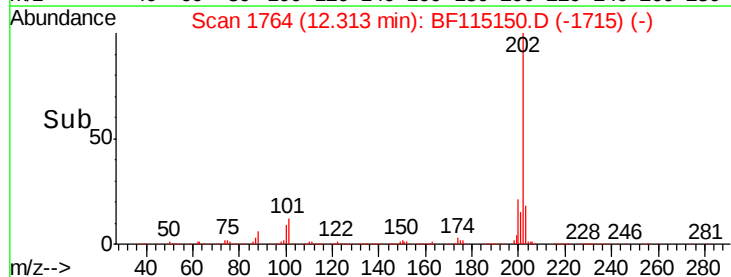
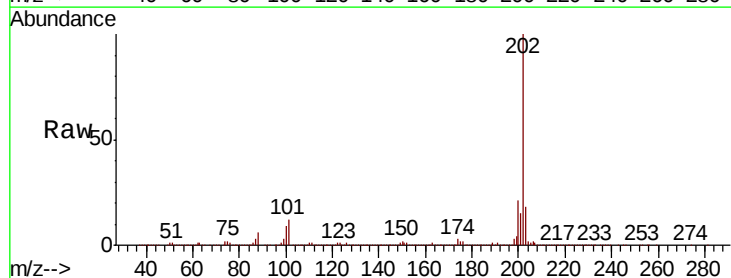
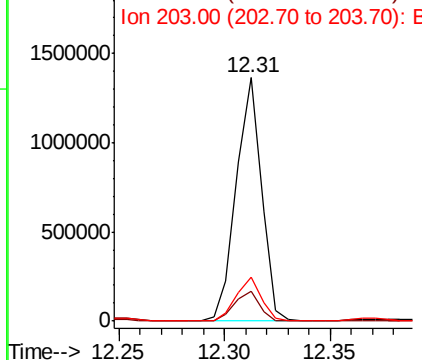
Tgt Ion:	202	Resp:	1117354
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	34.0
203	18.1	0.0	38.8

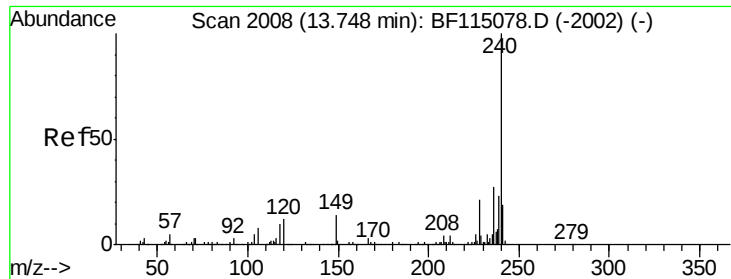
Abundance

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: 13.73 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF115150.D

Acq: 24 Jun 2019 16:14

Instrument :

BNA_F

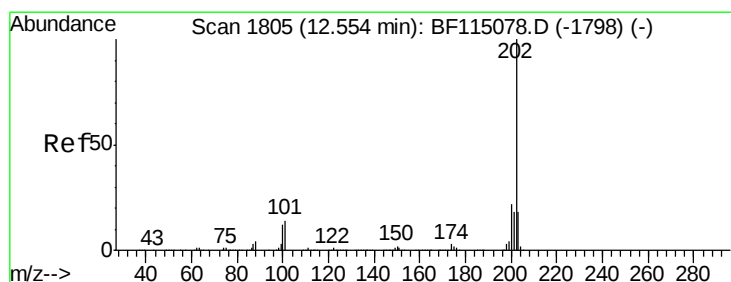
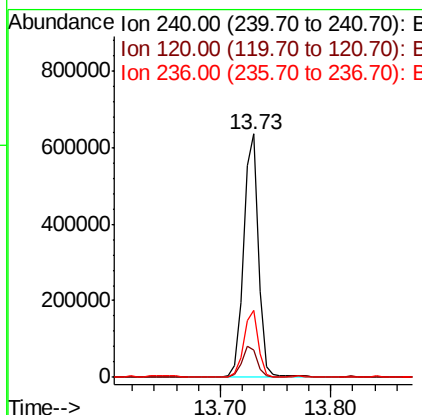
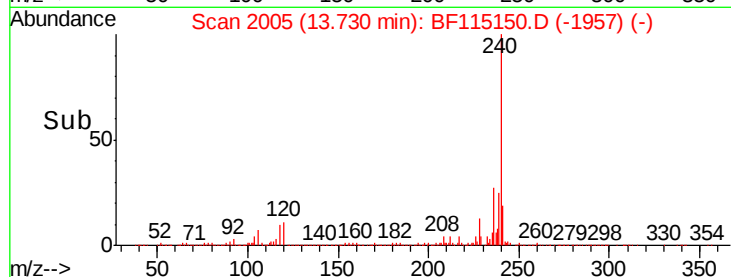
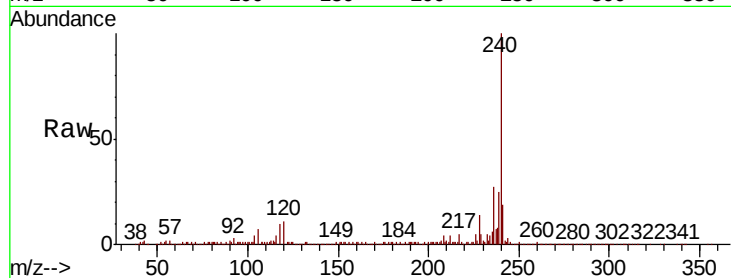
ClientSampleId :

OR-02-061919-A

Tot Ion:	240	Resp:	593165
Ion Ratio	Lower	Upper	
240	100		
120	11.4	9.4	14.2
236	27.4	21.7	32.5

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#78

Pyrene

Concen: 25.750 ng

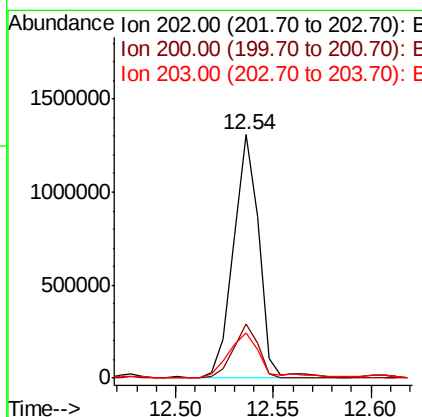
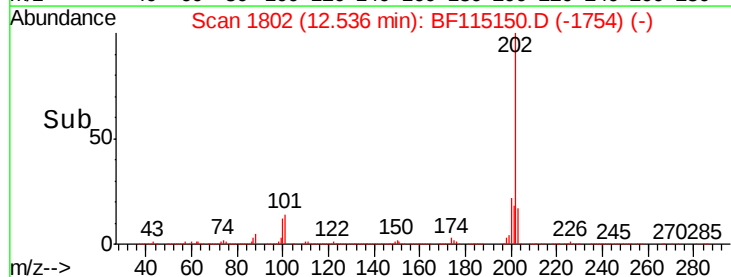
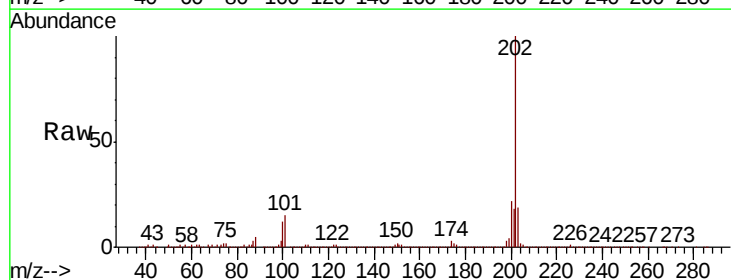
RT: 12.54 min Scan# 1802

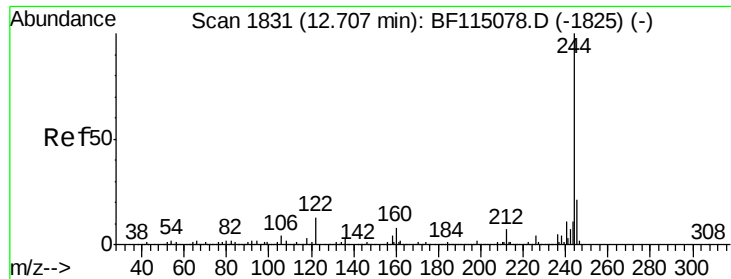
Delta R.T. -0.02 min

Lab File: BF115150.D

Acq: 24 Jun 2019 16:14

Tgt Ion:	202	Resp:	1173824
Ion Ratio	Lower	Upper	
202	100		
200	22.4	17.9	26.9
203	18.5	14.6	21.8





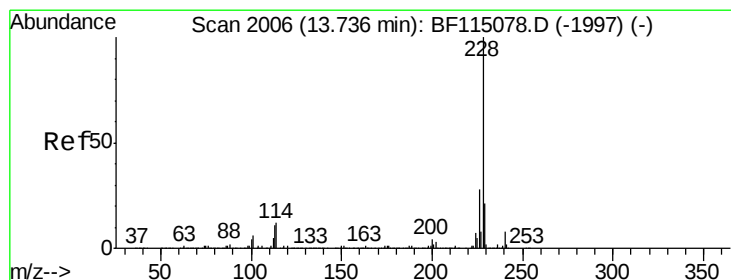
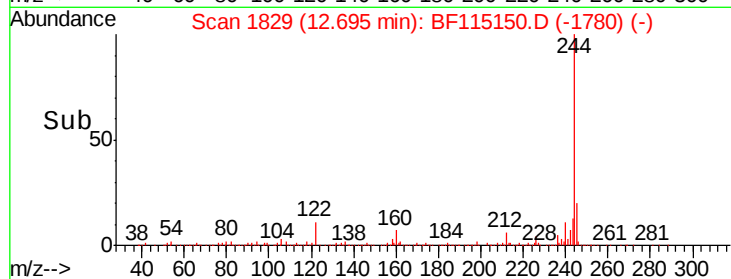
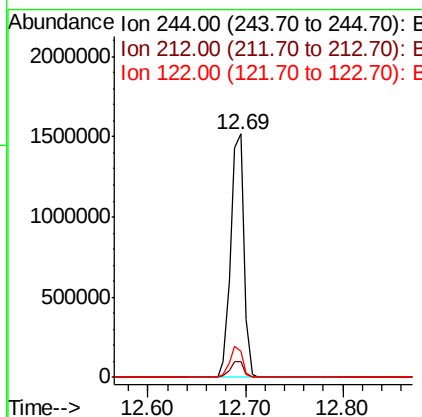
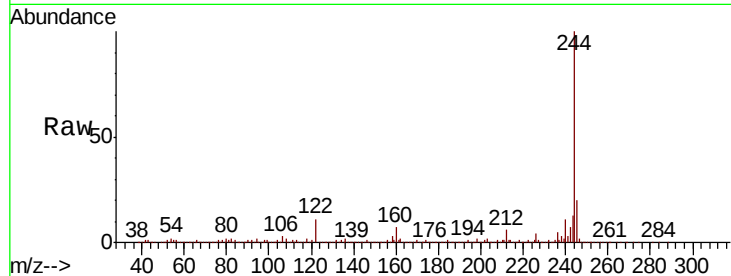
#79
 Terphenyl-d14
 Concen: 51.329 ng
 RT: 12.69 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF115150.D
 Acq: 24 Jun 2019 16:14

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-061919-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.6
122	10.6	10.4	15.6

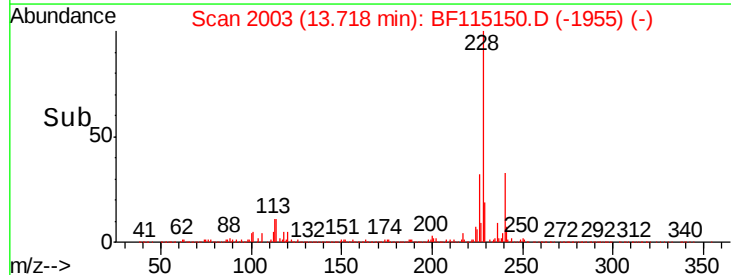
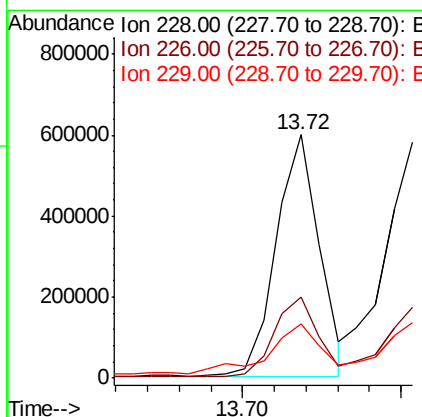
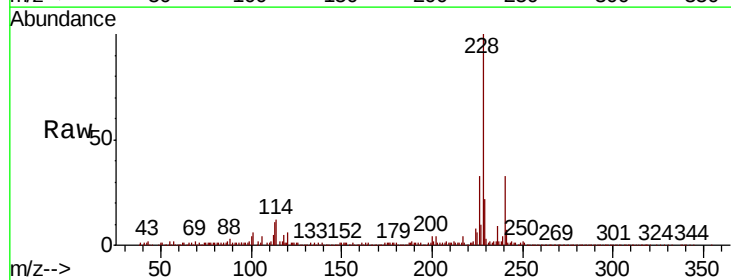
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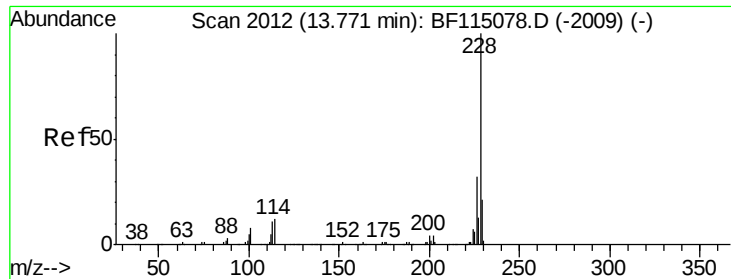
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#81
 Benzo(a)anthracene
 Concen: 13.266 ng
 RT: 13.72 min Scan# 2003
 Delta R.T. -0.02 min
 Lab File: BF115150.D
 Acq: 24 Jun 2019 16:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	22.5	33.7
229	22.0	16.6	24.8





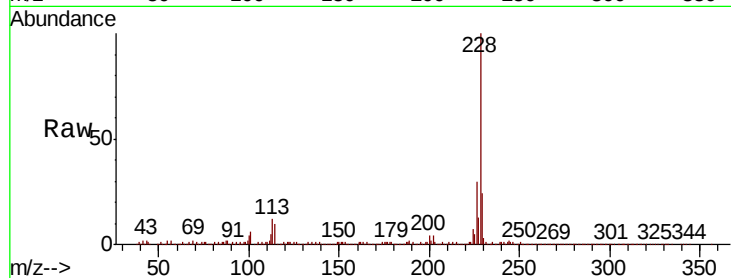
#83
Chrysene
Concen: 13.939 ng
RT: 13.75 min Scan# 2009
Delta R.T. -0.02 min
Lab File: BF115150.D
Acq: 24 Jun 2019 16:14

Instrument :
BNA_F
ClientSampleId :
OR-02-061919-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.0
229	23.7	16.5	24.7

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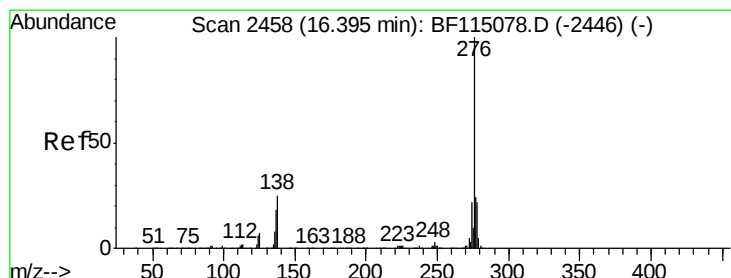
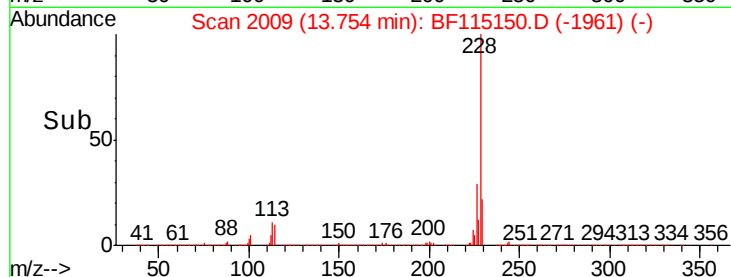
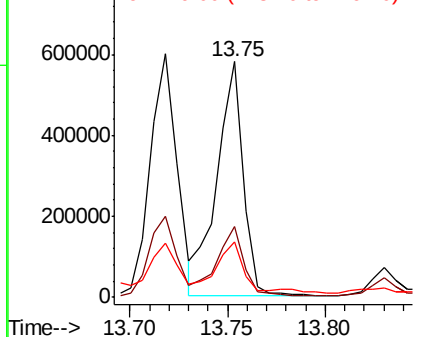


Abundance

Ion 228.00 (227.70 to 228.70): E

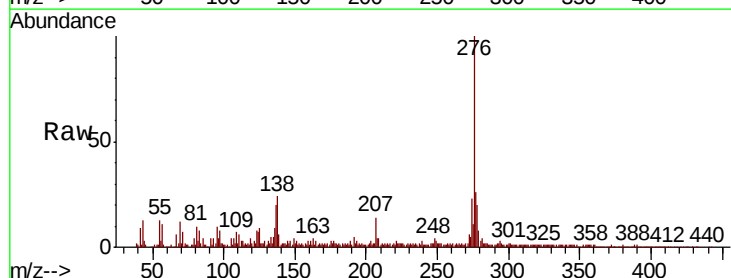
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.295 ng
RT: 16.37 min Scan# 2453
Delta R.T. -0.03 min
Lab File: BF115150.D
Acq: 24 Jun 2019 16:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.0	23.2	34.8
277	27.4	20.1	30.1

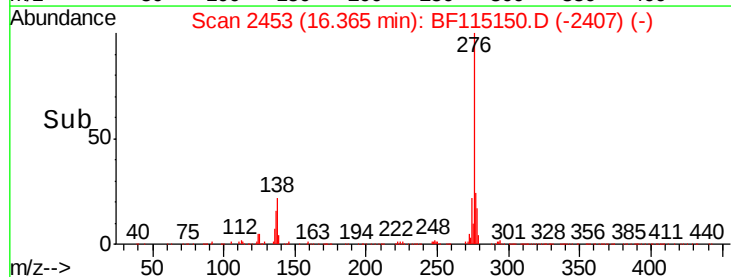
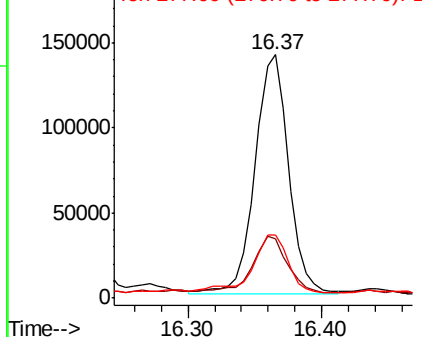


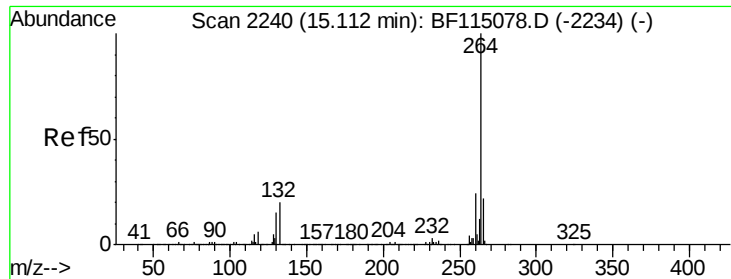
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.09 min Scan# 2237

Delta R.T. -0.02 min

Lab File: BF115150.D

Acq: 24 Jun 2019 16:14

Instrument :

BNA_F

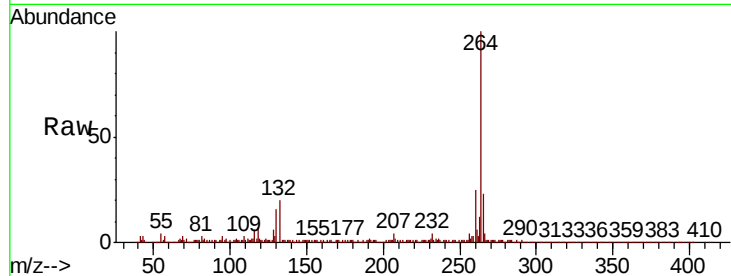
ClientSampleId :

OR-02-061919-A

Tot Ion:	264	Resp:	678775
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.6	29.4
265	23.2	17.3	25.9

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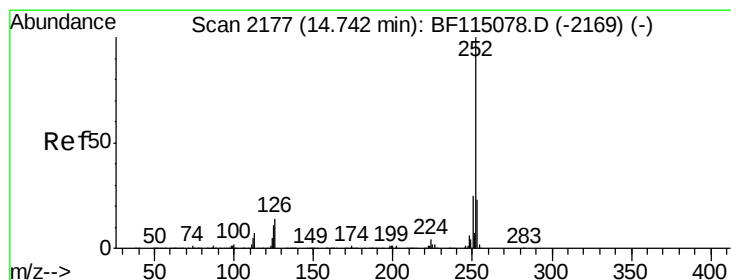
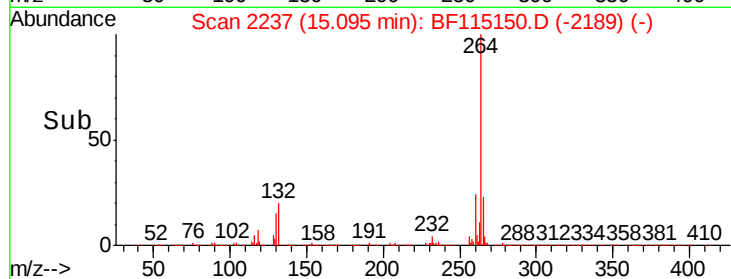
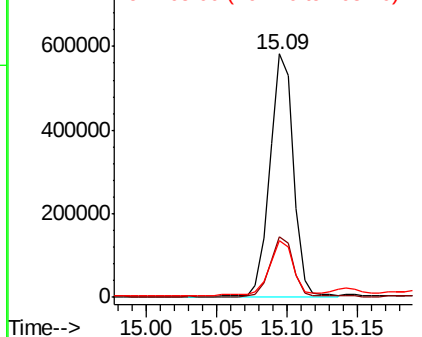


Abundance

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: 15.084 ng m

RT: 14.72 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BF115150.D

Acq: 24 Jun 2019 16:14

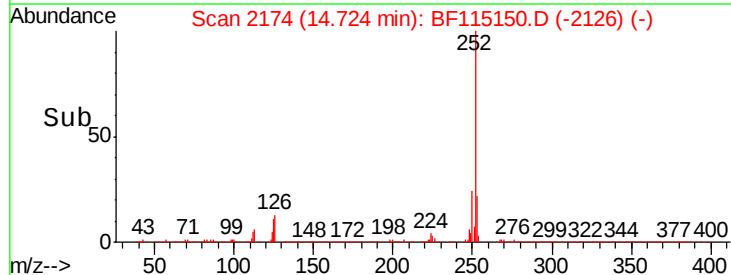
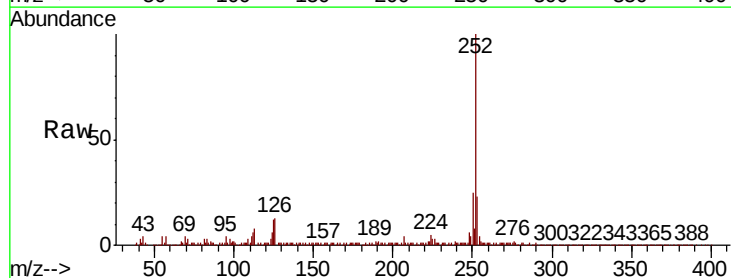
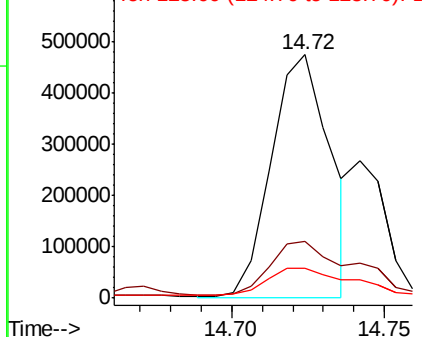
Tgt Ion:	252	Resp:	638860
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.1	27.1
125	12.5	8.7	13.1

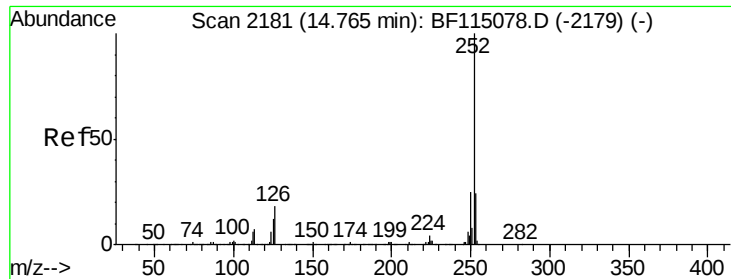
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 5.661 ng m

RT: 14.74 min Scan# 2177

Delta R.T. -0.02 min

Lab File: BF115150.D

Acq: 24 Jun 2019 16:14

Instrument :

BNA_F

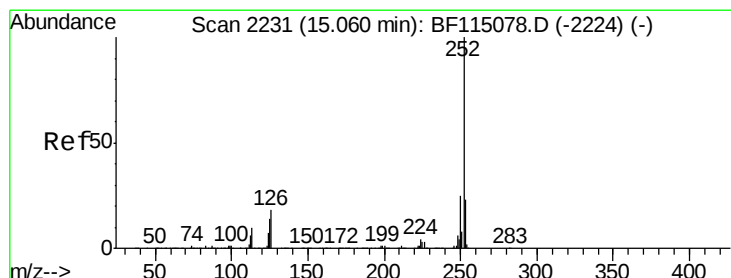
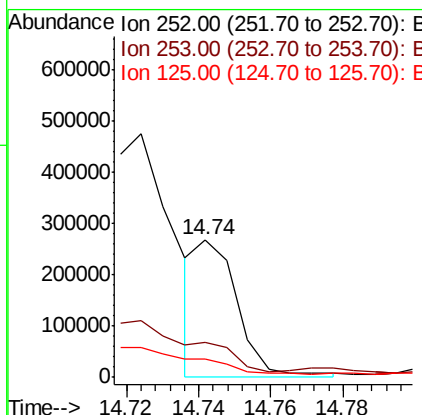
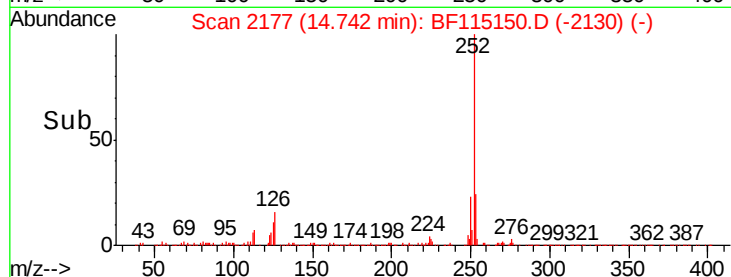
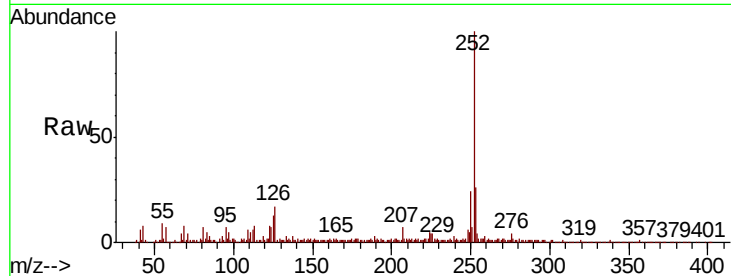
ClientSampleId :

OR-02-061919-A

Tot Ion:	252	Resp:	214999
Ion Ratio	Lower	Upper	
252	100		
253	25.7	18.9	28.3
125	13.3	10.2	15.2

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#90

Benzo(a)pyrene

Concen: 13.022 ng

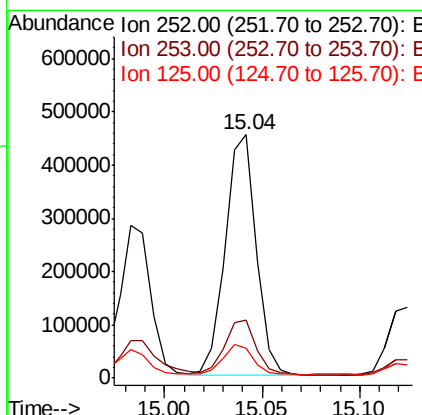
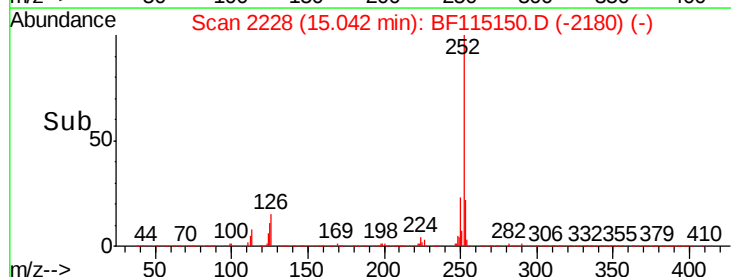
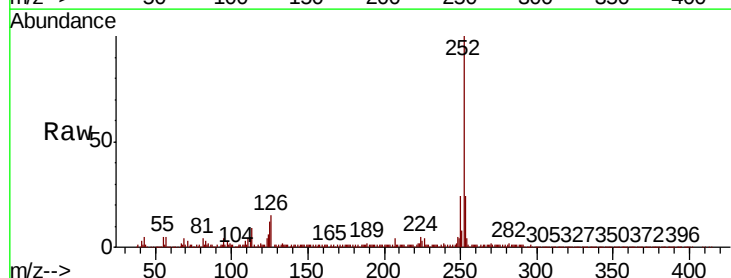
RT: 15.04 min Scan# 2228

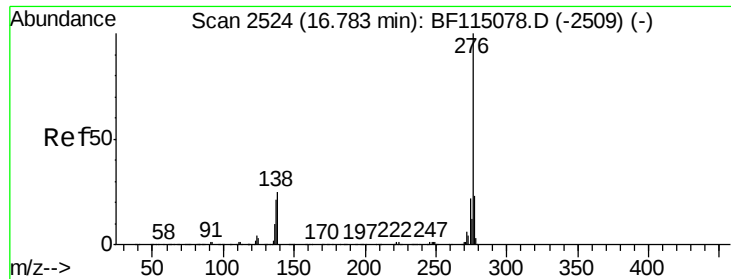
Delta R.T. -0.02 min

Lab File: BF115150.D

Acq: 24 Jun 2019 16:14

Tgt Ion:	252	Resp:	497110
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.3	27.5
125	12.5	10.9	16.3





#92
 Benzo(a,h,i)perylene
 Concen: 6.424 ng
 RT: 16.74 min Scan# 2517
 Delta R.T. -0.04 min
 Lab File: BF115150.D
 Acq: 24 Jun 2019 16:14

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-061919-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.6	28.0
138	27.2	19.8	29.6

Manual Integrations
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