

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
 Data File : BF115174.D
 Acq On : 25 Jun 2019 3:27
 Operator : HP/JU
 Sample : K3158-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-062019

Manual Integrations
 APPROVED

mohammad
 6/28/2019 8:25:29 AM

Quant Time: Jun 25 08:10:56 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	290804	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1098790	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	534658	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	932534	20.00	ng	-0.01
76) Chrysene-d12	13.74	240	553243	20.00	ng	-0.01
87) Perylene-d12	15.11	264	508432	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1429375	75.85	ng	0.00
7) Phenol-d6	6.25	99	1791149	78.31	ng	0.00
23) Nitrobenzene-d5	7.17	82	1069798	59.89	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	414335	73.49	ng	-0.01
45) 2-Fluorobiphenyl	8.97	172	1759190	55.89	ng	-0.01
79) Terphenyl-d14	12.70	244	1524200	58.58	ng	-0.01
Target Compounds						
49) Acenaphthylene	9.50	152	462023	8.546	ng	97
50) Dimethylphthalate	9.36	163	262966	6.685	ng	98
71) Phenanthrene	11.13	178	736495	14.669	ng	98
72) Anthracene	11.18	178	327188	6.456	ng	99
75) Fluoranthene	12.32	202	2666868	53.236	ng	99
78) Pyrene	12.55	202	2858477	67.231	ng	97
81) Benzo(a)anthracene	13.72	228	2132915m	53.730	ng	
83) Chrysene	13.77	228	1876415	51.602	ng	98
86) Indeno(1,2,3-cd)pyrene	16.38	276	950940	22.100	ng	94
88) Benzo(b)fluoranthene	14.74	252	2304437m	72.639	ng	
89) Benzo(k)fluoranthene	14.75	252	813086m	28.579	ng	
90) Benzo(a)pyrene	15.05	252	1592244	55.685	ng	98
91) Dibenzo(a,h)anthracene	16.39	278	232131m	8.696	ng	
92) Benzo(g,h,i)perylene	16.77	276	873332	32.324	ng	97

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

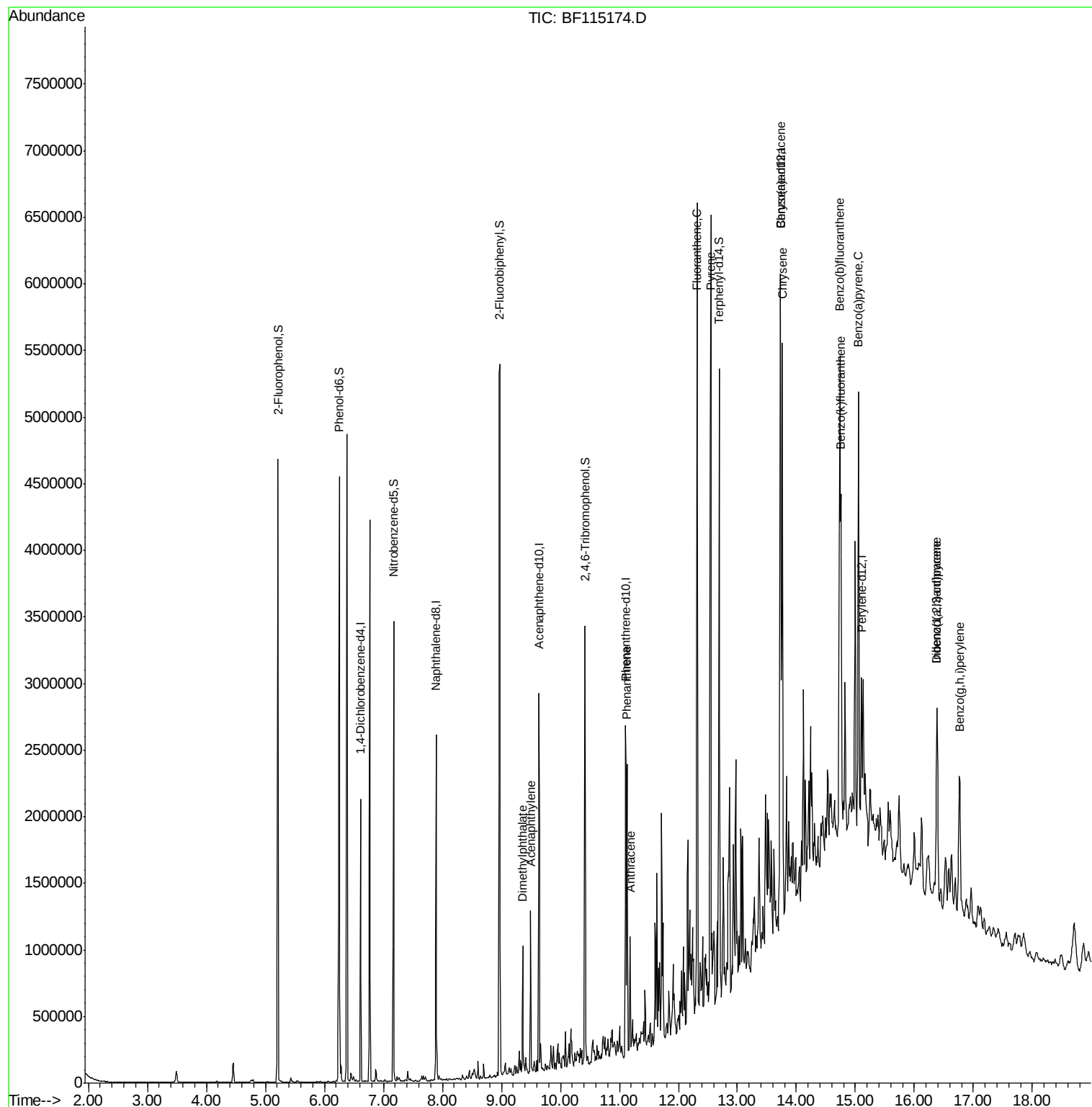
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115174.D
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Sample : K3158-05
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ALS Vial : 23 Sample Multiplier: 1

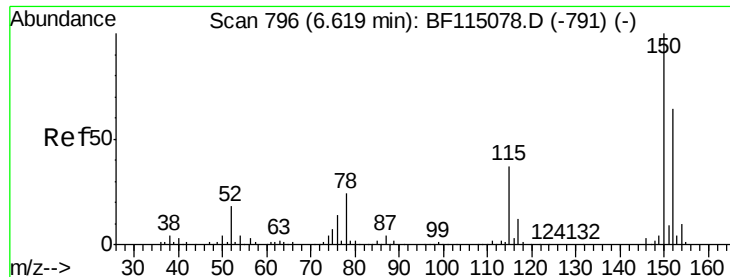
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
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#1

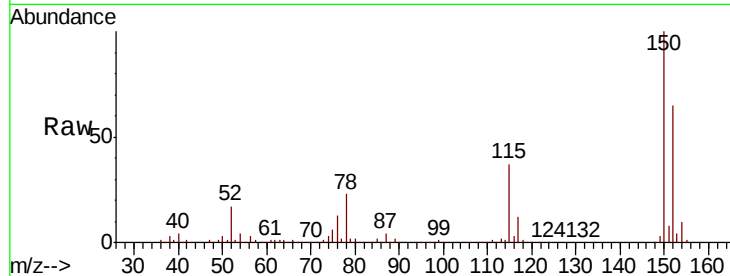
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115174.D
Acq: 25 Jun 2019 3:27

Instrument :
BNA_F
ClientSampleId :
OK-03-062019

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.2	186.2
115	56.8	46.1	69.1

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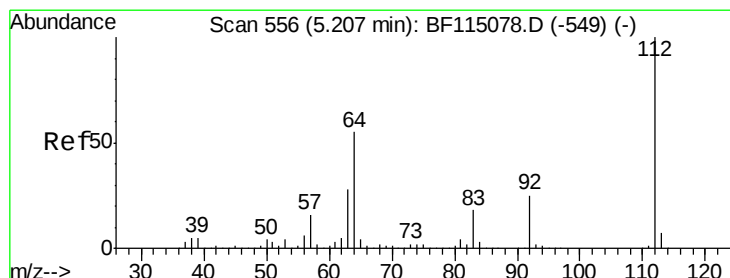
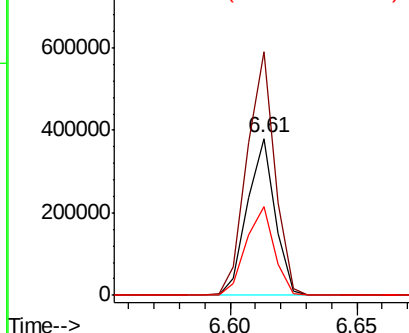
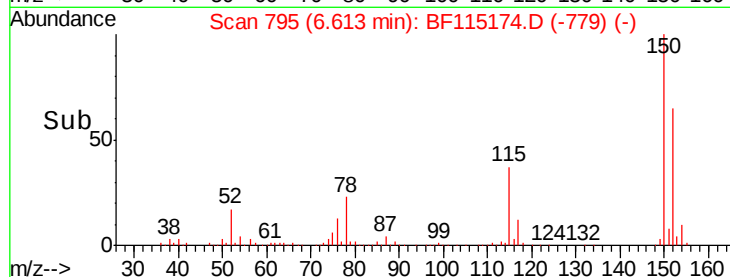


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

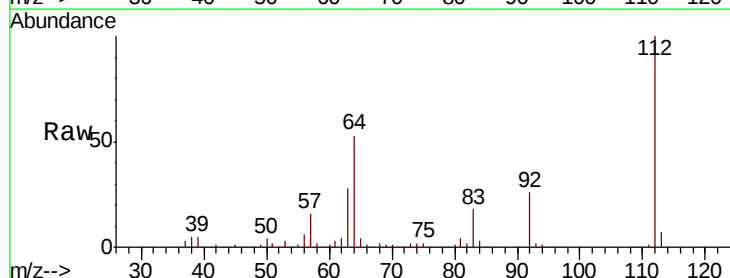
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 75.851 ng
RT: 5.21 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF115174.D
Acq: 25 Jun 2019 3:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	43.8	65.6
63	27.6	22.2	33.4

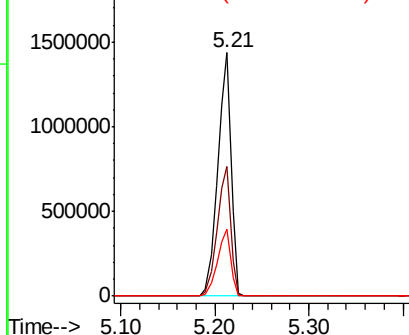
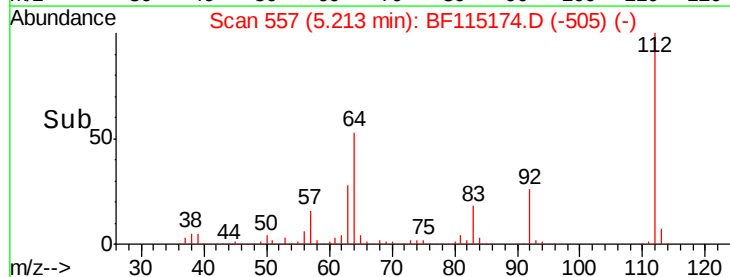


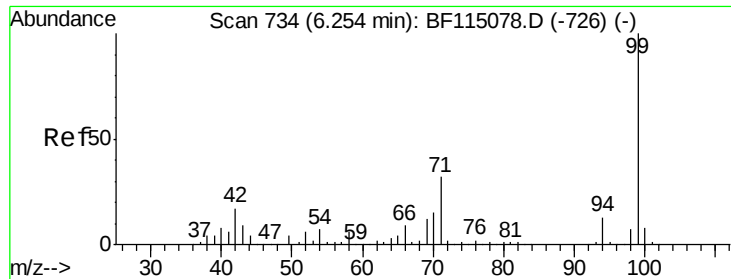
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 78.309 ng

RT: 6.25 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115174.D

Acq: 25 Jun 2019 3:27

Instrument :

BNA_F

ClientSampleId :

OK-03-062019

Tot Ion: 99 Resp: 1791149

Ion Ratio Lower Upper

99 100

42 16.4 13.6 20.4

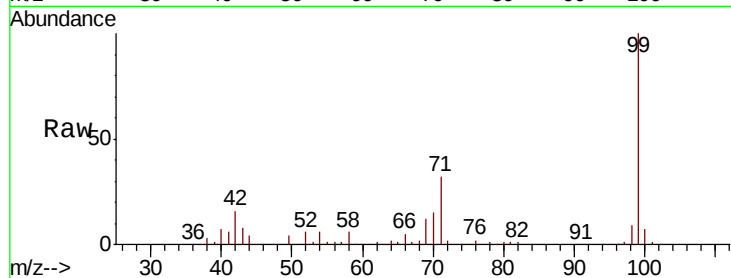
71 32.4 25.5 38.3

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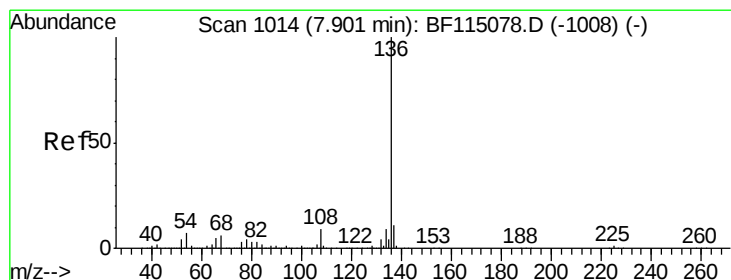
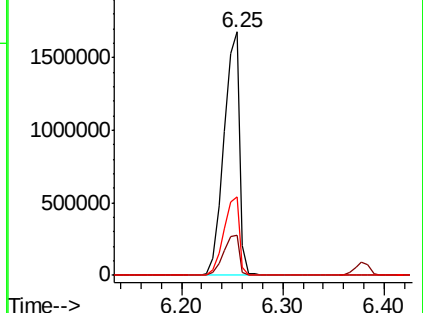
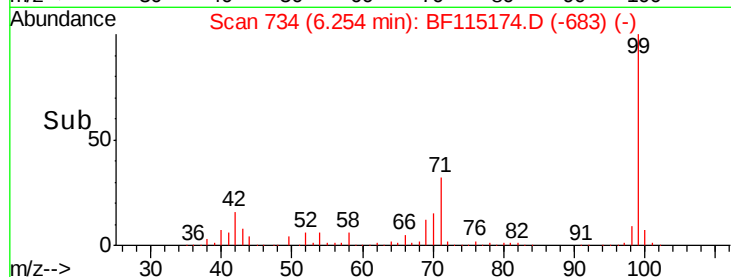
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF115174.D

Acq: 25 Jun 2019 3:27

Tgt Ion: 136 Resp: 1098790

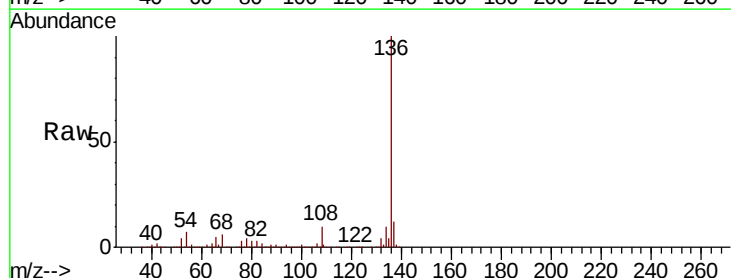
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 7.4 5.6 8.4

68 6.2 4.8 7.2

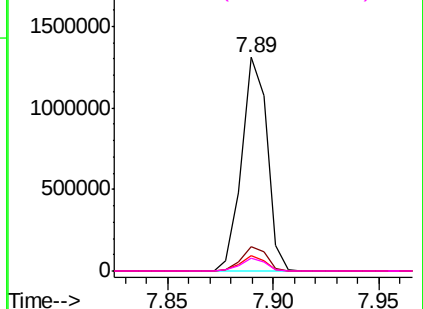
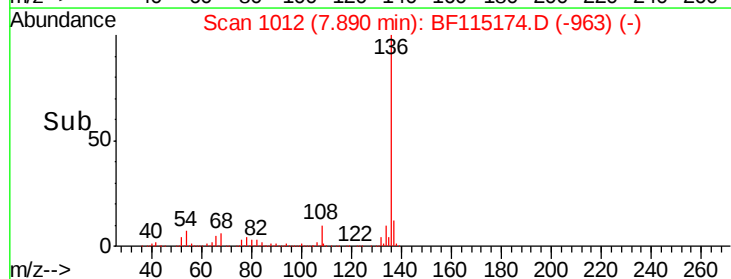


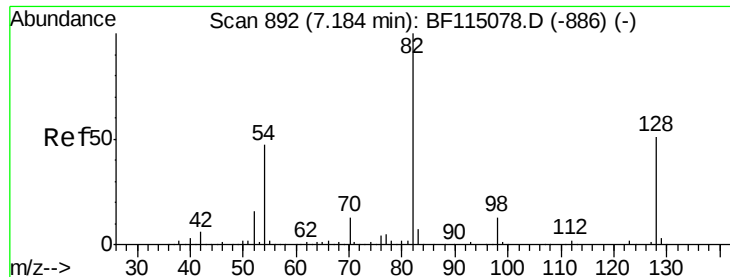
Abundance Ion 136.00 (135.70 to 136.70): E

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





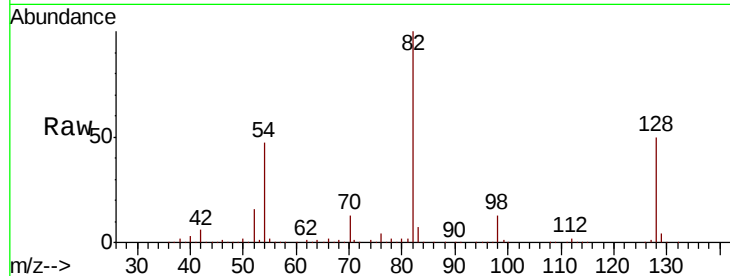
#23
Nitrobenzene-d5
Concen: 59.892 ng
RT: 7.17 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF115174.D
Acq: 25 Jun 2019 3:27

Instrument :
BNA_F
ClientSampleId :
OK-03-062019

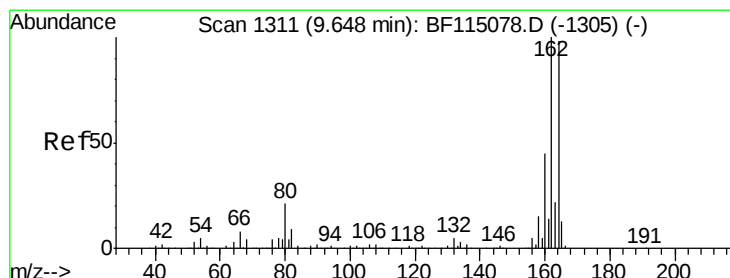
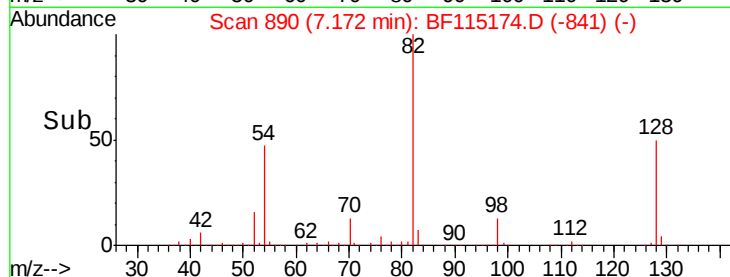
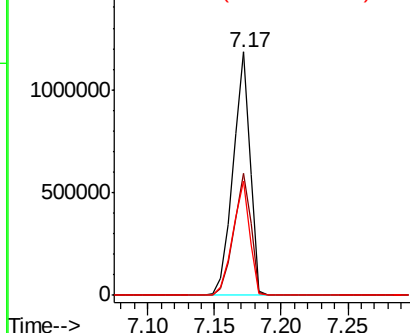
Tot Ion	82	Resp	1069798
Ion Ratio	Lower	Upper	
82	100		
128	50.0	40.4	60.6
54	47.1	37.5	56.3

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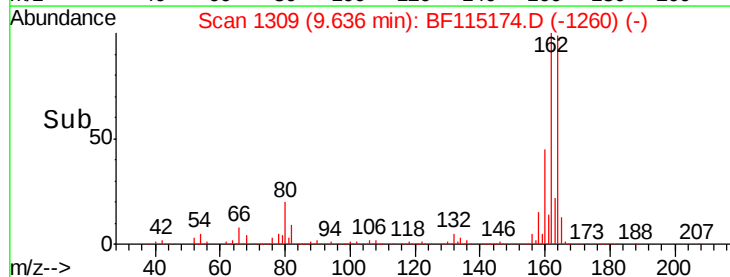
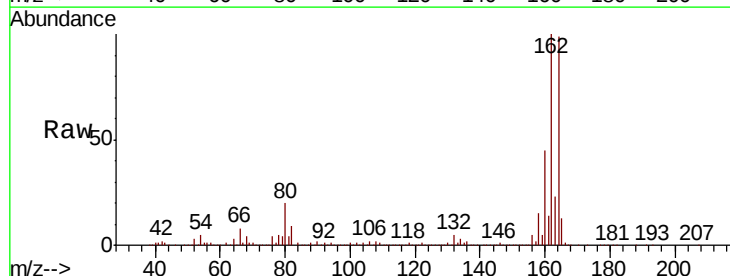
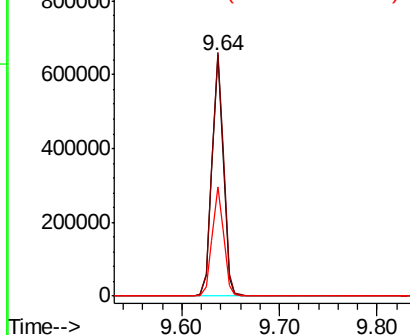
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

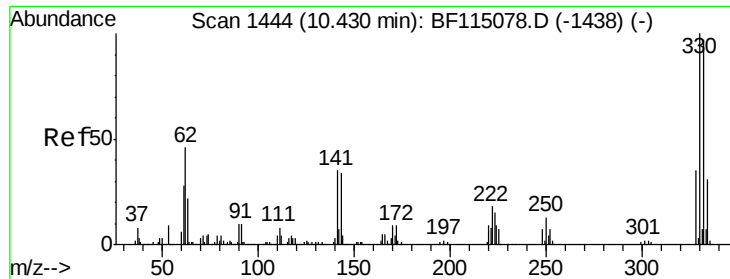


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF115174.D
Acq: 25 Jun 2019 3:27

Tgt Ion	164	Resp	534658
Ion Ratio	Lower	Upper	
164	100		
162	101.1	81.7	122.5
160	45.5	37.0	55.4

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





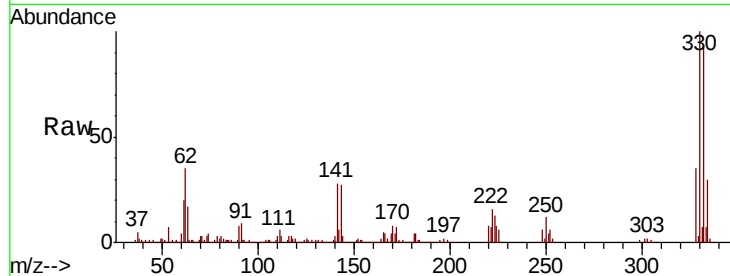
#42
 2,4,6-Tribromophenol
 Concen: 73.488 ng
 RT: 10.42 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF115174.D
 Acq: 25 Jun 2019 3:27

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.3	115.9
141	32.3	28.2	42.2

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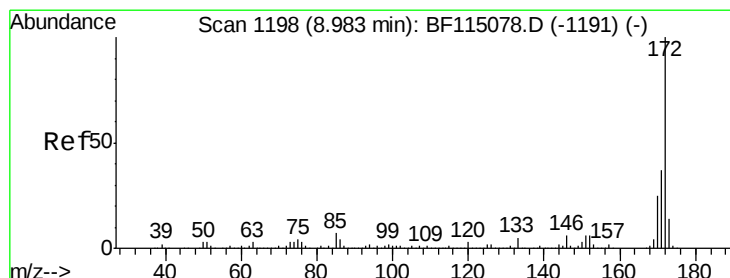
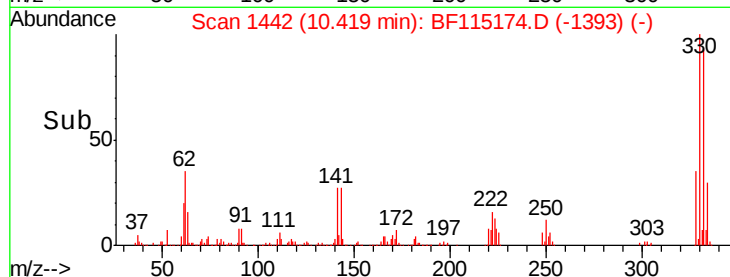
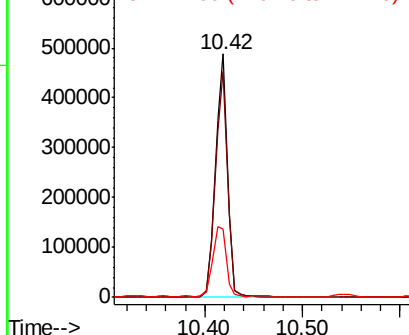


Abundance

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: 55.890 ng
 RT: 8.97 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF115174.D
 Acq: 25 Jun 2019 3:27

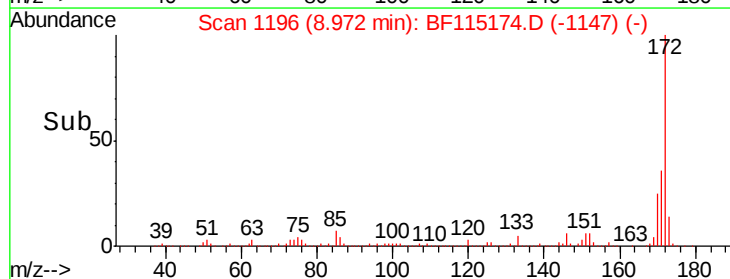
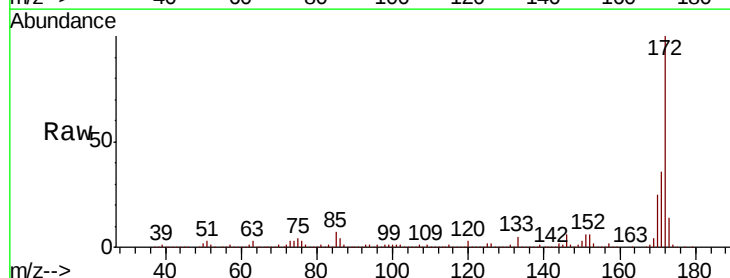
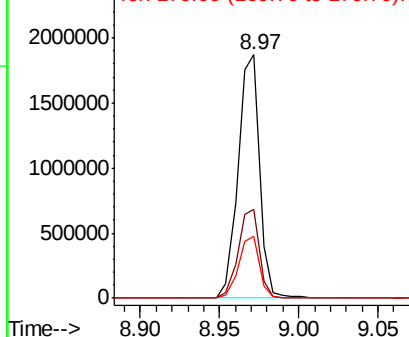
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.8	44.6
170	25.2	20.3	30.5

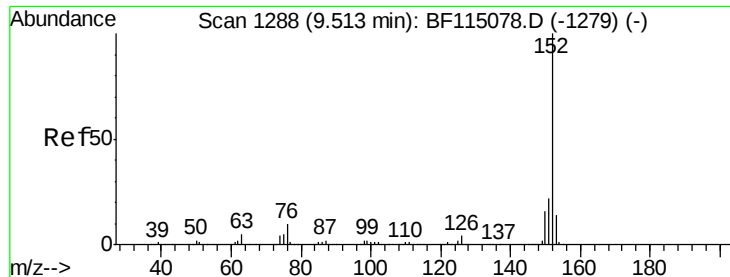
Abundance

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





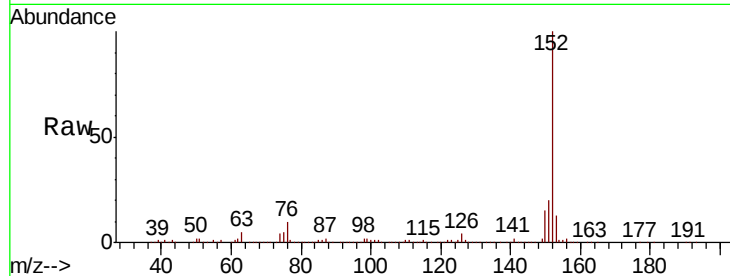
#49
Acenaphthylene
Concen: 8.546 ng
RT: 9.50 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF115174.D
Acq: 25 Jun 2019 3:27

Instrument :
BNA_F
ClientSampleId :
OK-03-062019

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	17.2	25.8
153	13.5	11.0	16.6

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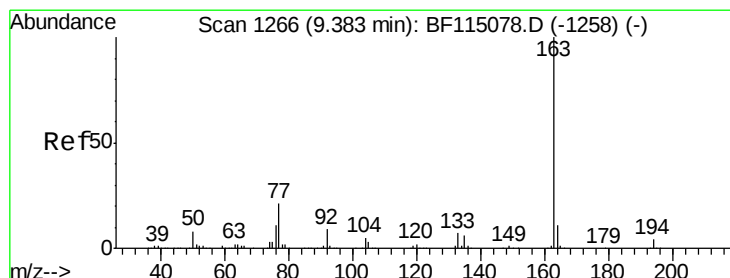
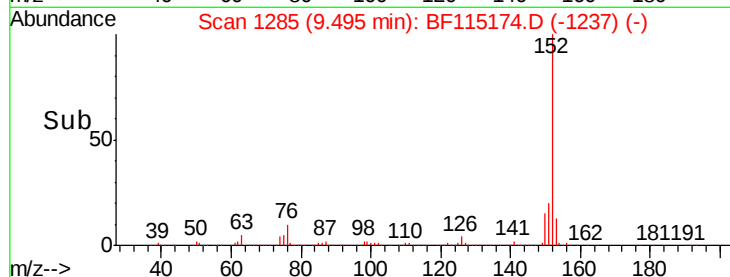
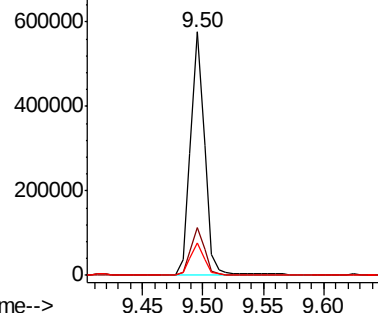


Abundance

Ion 152.00 (151.70 to 152.70): E

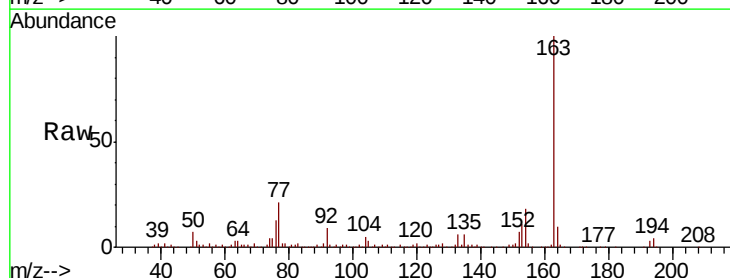
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50
Dimethylphthalate
Concen: 6.685 ng
RT: 9.36 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF115174.D
Acq: 25 Jun 2019 3:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.1	8.6	13.0

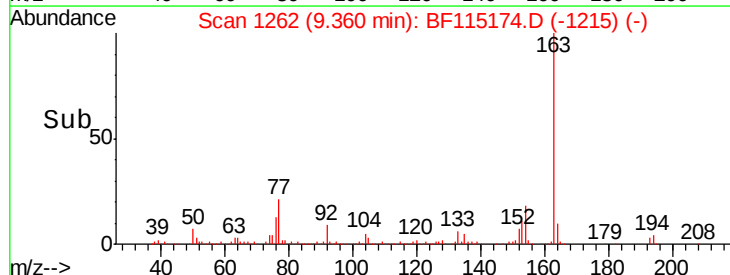
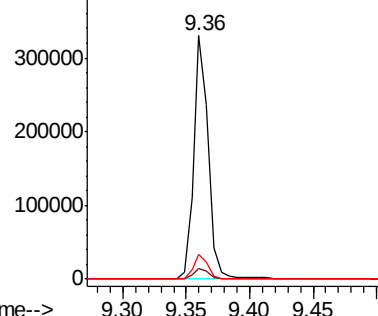


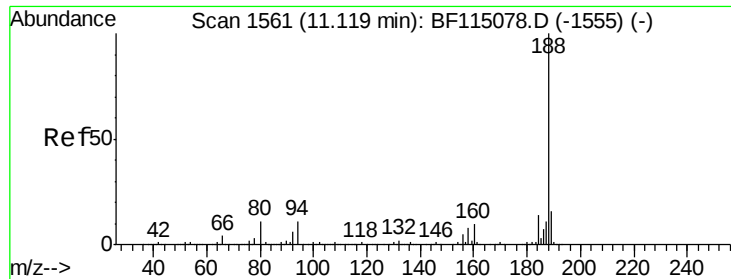
Abundance

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





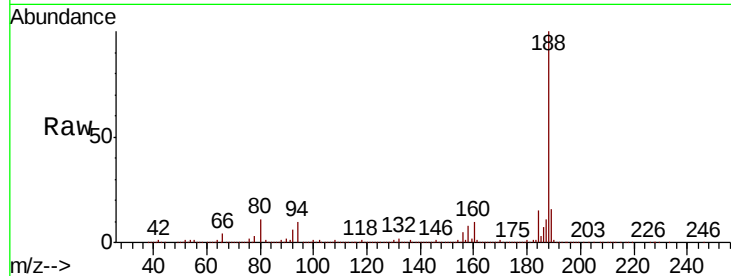
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF115174.D
Acq: 25 Jun 2019 3:27

Instrument :
BNA_F
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OK-03-062019

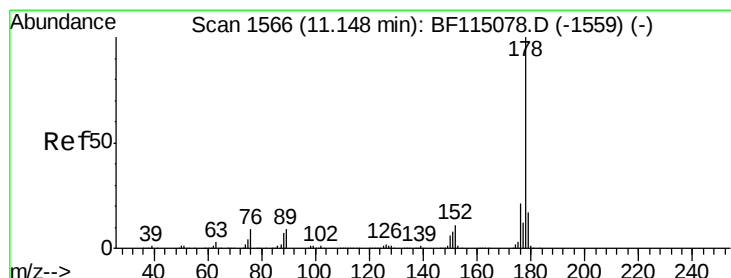
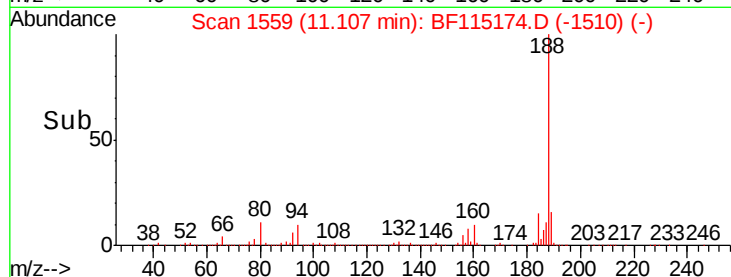
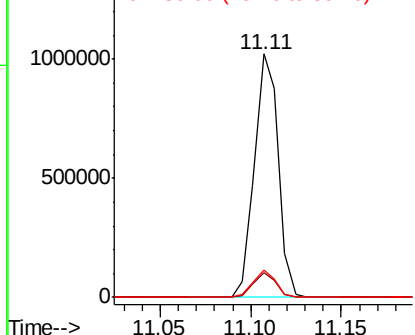
Tot Ion	Ratio	Resp	Lower	Upper
188	100	932534		
94	10.4		8.6	12.8
80	11.0		8.8	13.2

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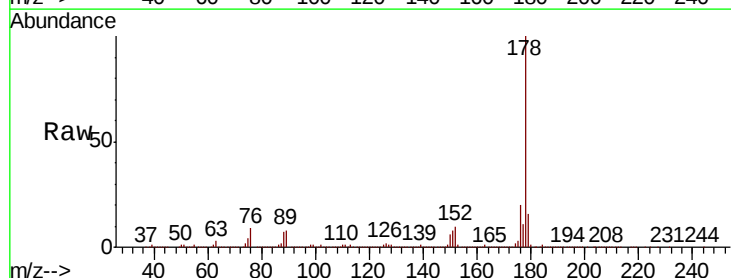


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

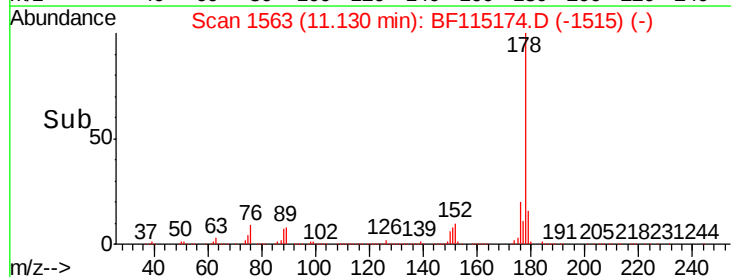
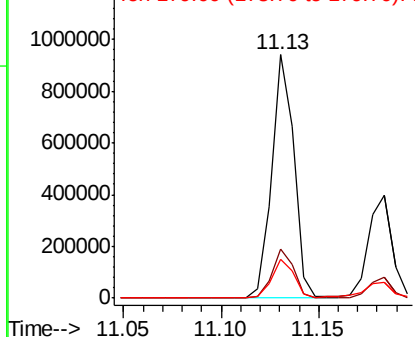


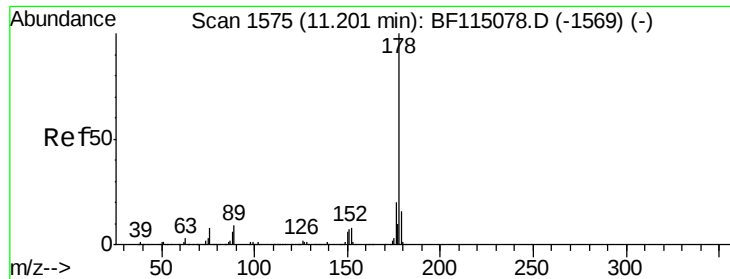
#71
Phenanthrene
Concen: 14.669 ng
RT: 11.13 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF115174.D
Acq: 25 Jun 2019 3:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	736495		
176	20.2		16.9	25.3
179	15.8		13.2	19.8



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





#72

Anthracene

Concen: 6.456 ng

RT: 11.18 min Scan# 1572

Delta R.T. -0.02 min

Lab File: BF115174.D

Acq: 25 Jun 2019 3:27

Instrument :

BNA_F

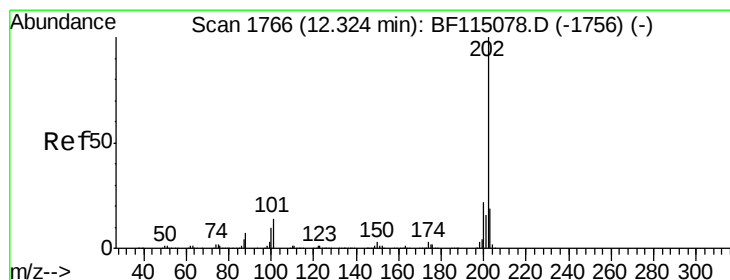
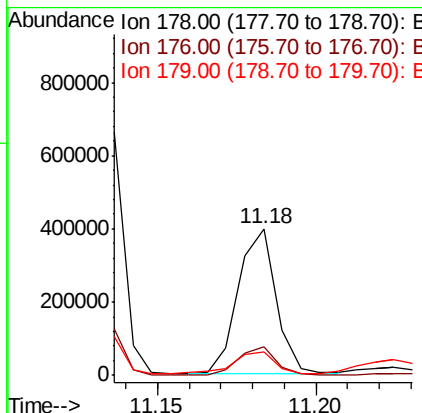
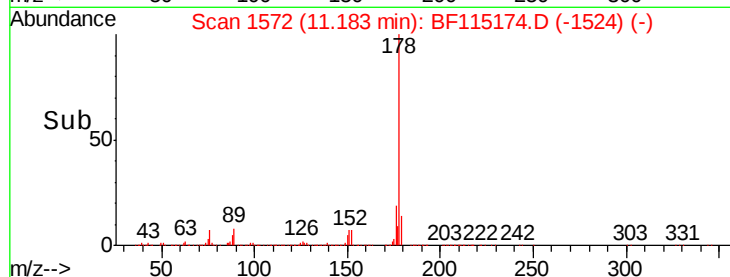
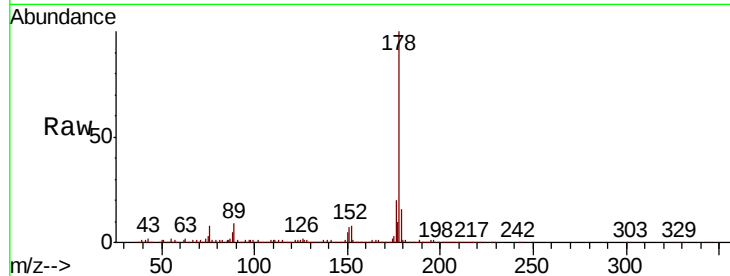
ClientSampleId :

OK-03-062019

Tot Ion:	178	Resp:	327188
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.1	24.1
179	15.7	12.9	19.3

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#75

Fluoranthene

Concen: 53.236 ng

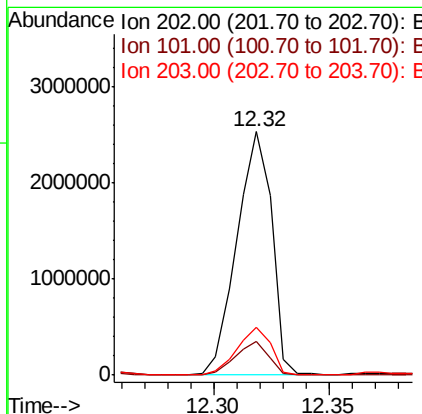
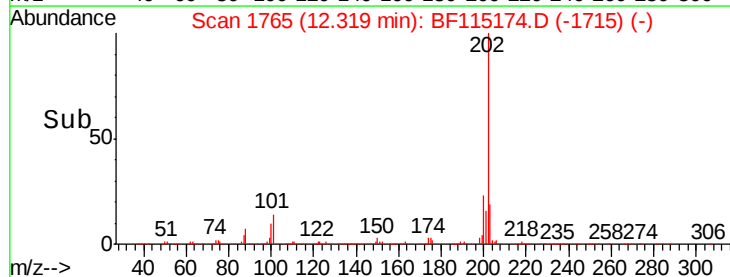
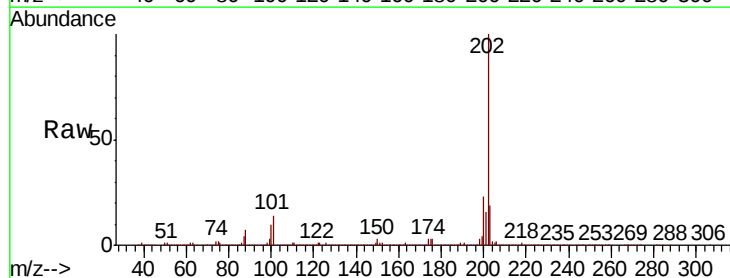
RT: 12.32 min Scan# 1765

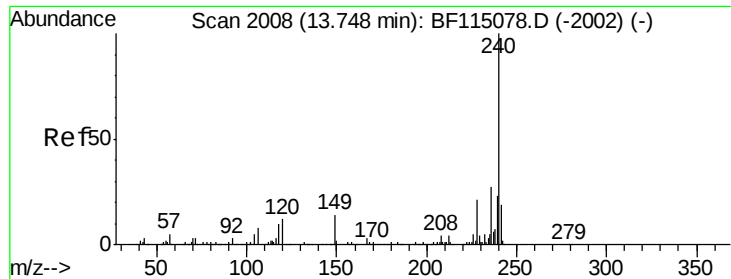
Delta R.T. -0.01 min

Lab File: BF115174.D

Acq: 25 Jun 2019 3:27

Tgt Ion:	202	Resp:	2666868
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	34.0
203	19.5	0.0	38.8





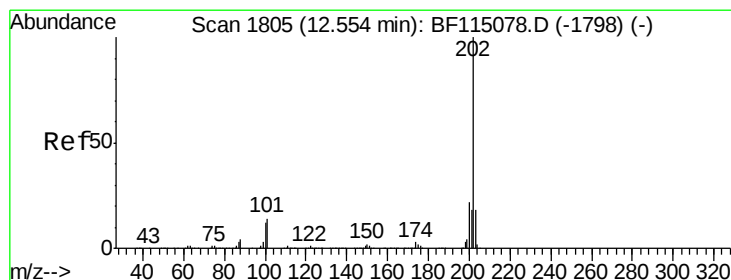
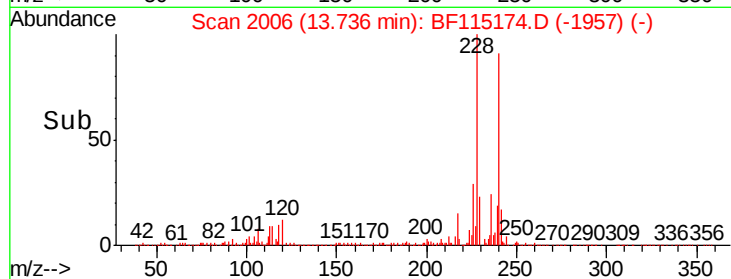
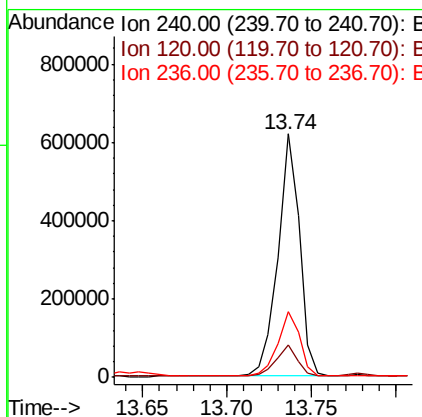
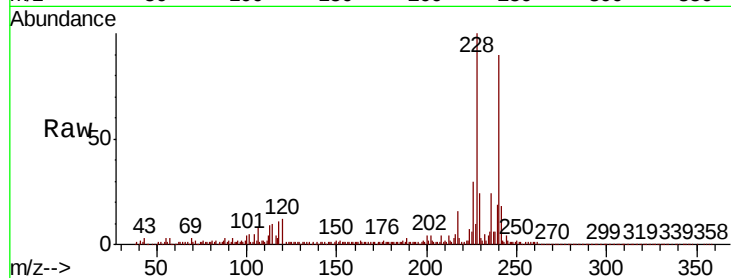
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.74 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF115174.D
Acq: 25 Jun 2019 3:27

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.4	14.2
236	27.1	21.7	32.5

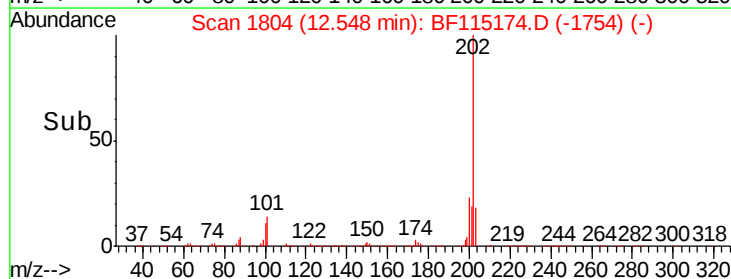
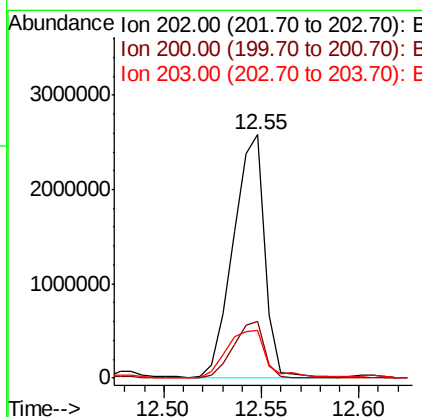
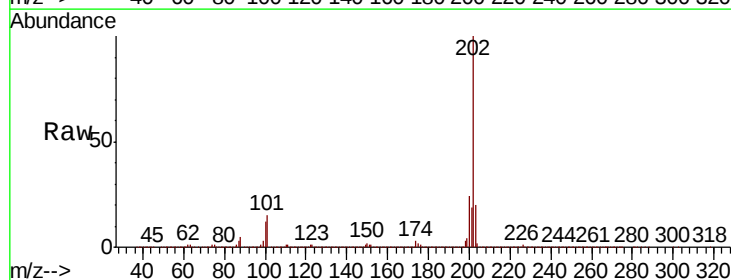
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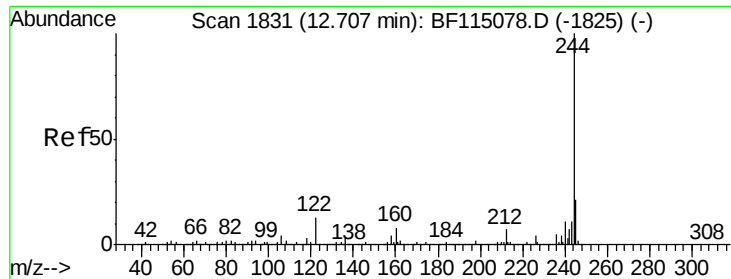
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#78
Pyrene
Concen: 67.231 ng
RT: 12.55 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF115174.D
Acq: 25 Jun 2019 3:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.5	17.9	26.9
203	19.5	14.6	21.8





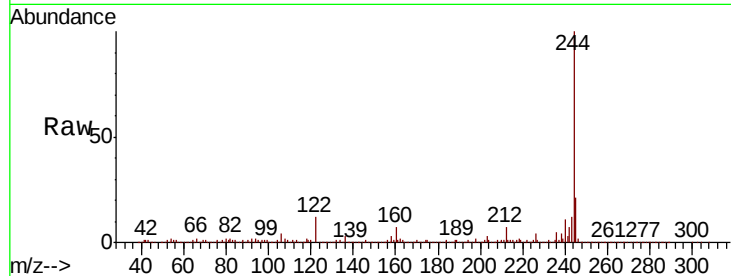
#79
 Terphenyl-d14
 Concen: 58.576 ng
 RT: 12.70 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF115174.D
 Acq: 25 Jun 2019 3:27

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-062019

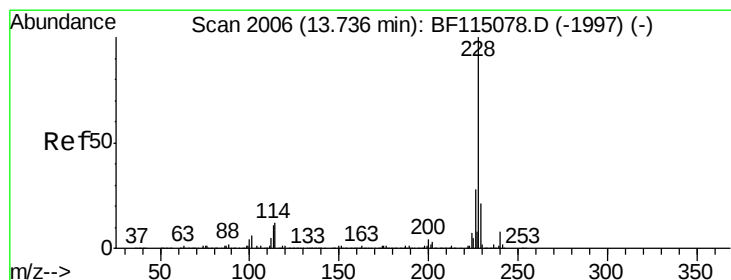
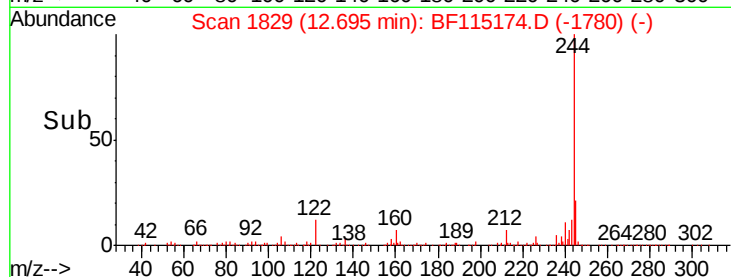
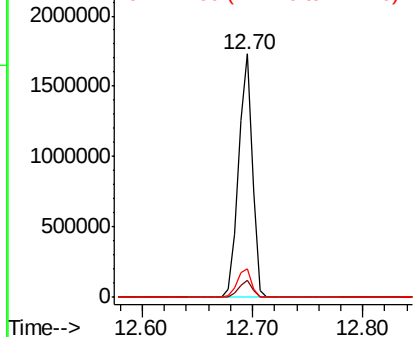
Tot Ion:244 Resp: 1524200
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 11.7 10.4 15.6

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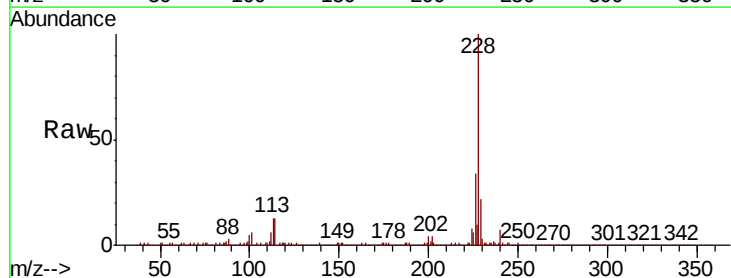


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

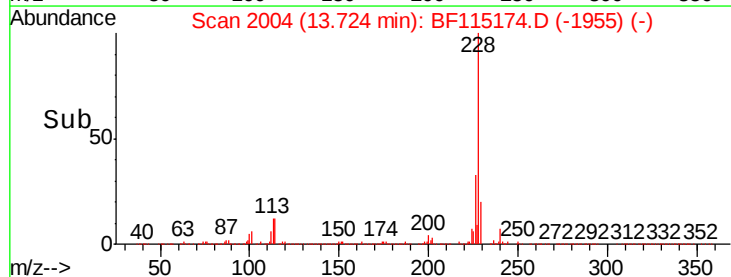
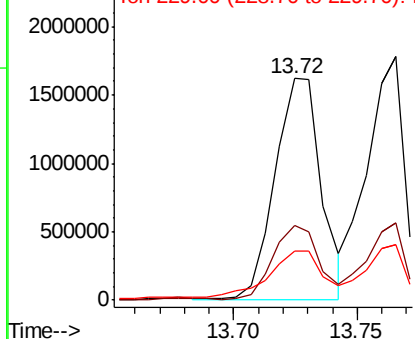


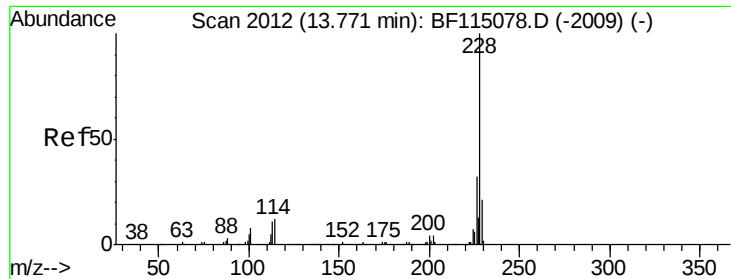
#81
 Benzo(a)anthracene
 Concen: 53.730 ng m
 RT: 13.72 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF115174.D
 Acq: 25 Jun 2019 3:27

Tgt Ion:228 Resp: 2132915
 Ion Ratio Lower Upper
 228 100
 226 34.0 22.5 33.7#
 229 22.1 16.6 24.8



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





#83

Chrysene

Concen: 51.602 ng

RT: 13.77 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF115174.D

Acq: 25 Jun 2019 3:27

Instrument :

BNA_F

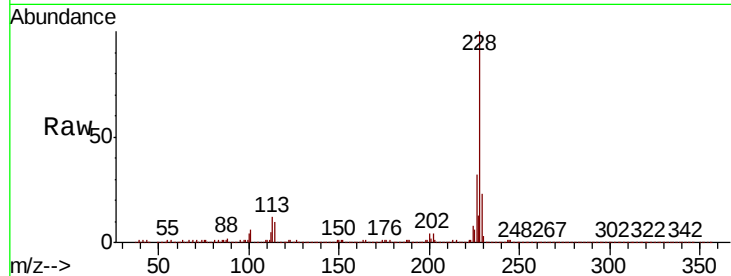
ClientSampleId :

OK-03-062019

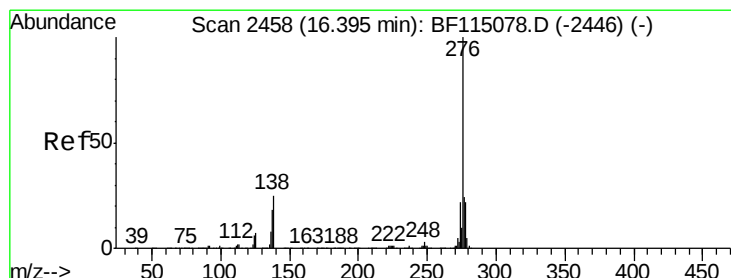
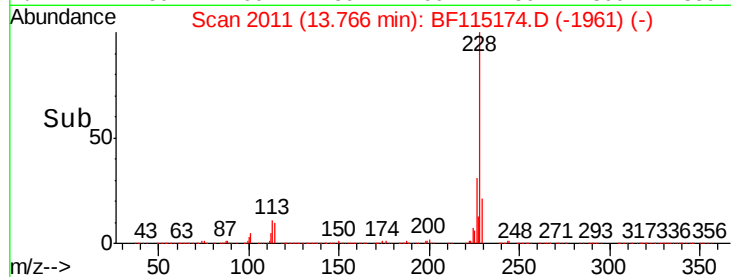
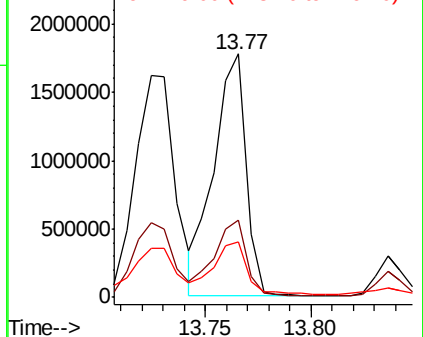
Tot Ion:	228	Resp:	1876415
Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.4	38.0
229	22.6	16.5	24.7

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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: 22.100 ng

RT: 16.38 min Scan# 2456

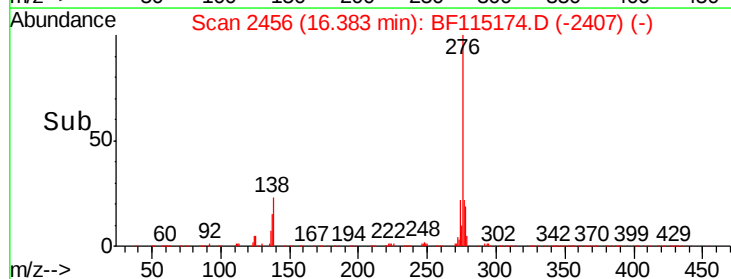
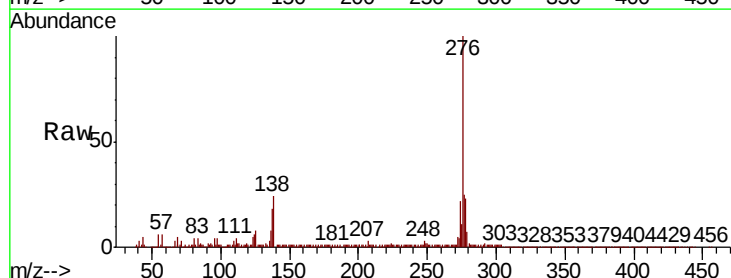
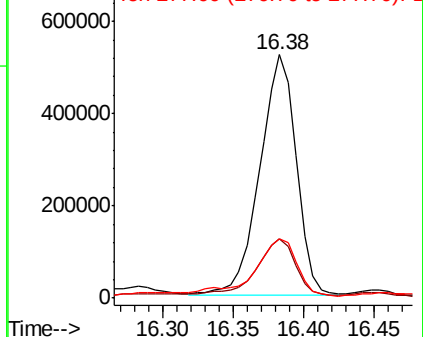
Delta R.T. -0.01 min

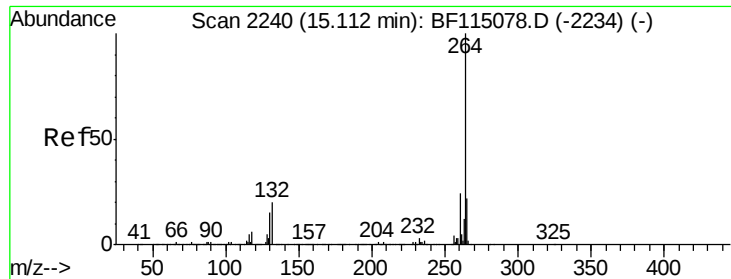
Lab File: BF115174.D

Acq: 25 Jun 2019 3:27

Tgt Ion:	276	Resp:	950940
Ion	Ratio	Lower	Upper
276	100		
138	25.0	23.2	34.8
277	27.7	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: 15.11 min Scan# 2239

Delta R.T. -0.01 min

Lab File: BF115174.D

Acq: 25 Jun 2019 3:27

Instrument :

BNA_F

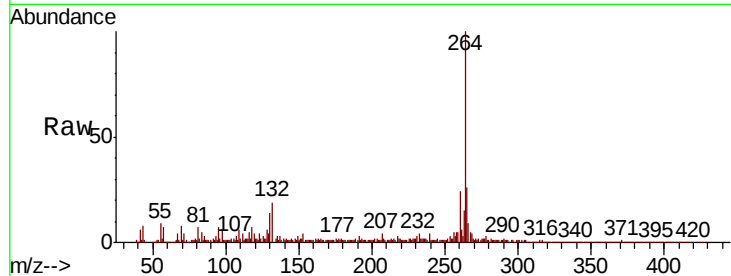
ClientSampleId :

OK-03-062019

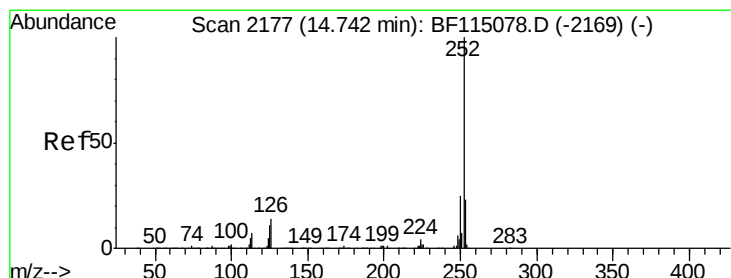
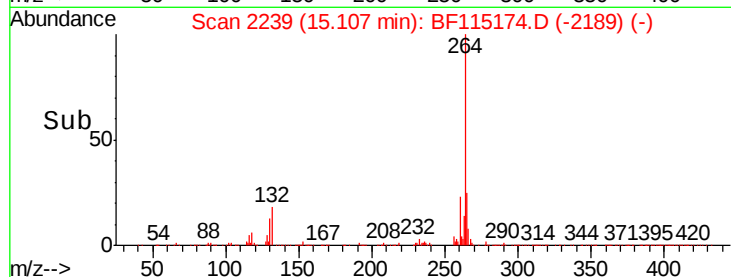
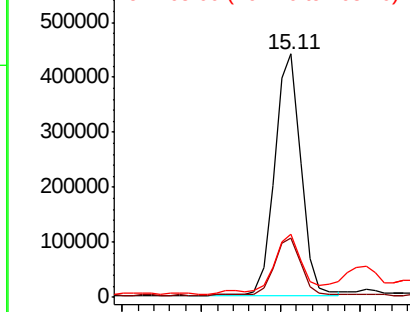
Tot Ion:	264	Resp:	508432
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.6	29.4
265	25.9	17.3	25.9

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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: 72.639 ng m

RT: 14.74 min Scan# 2176

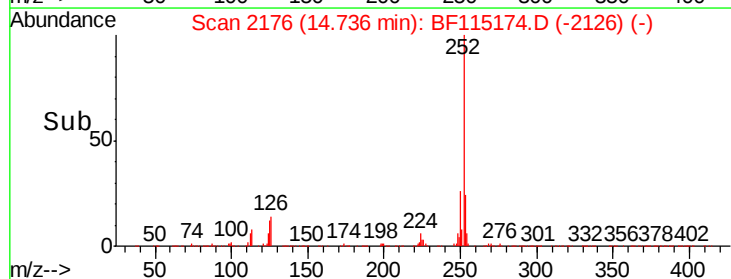
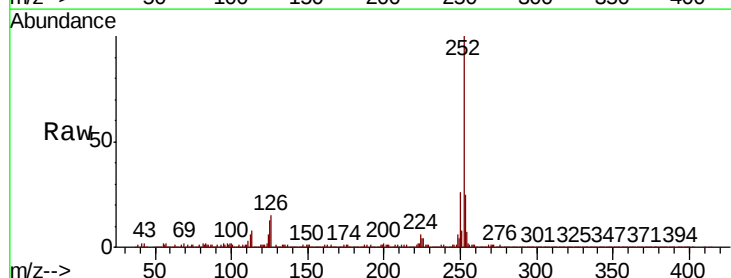
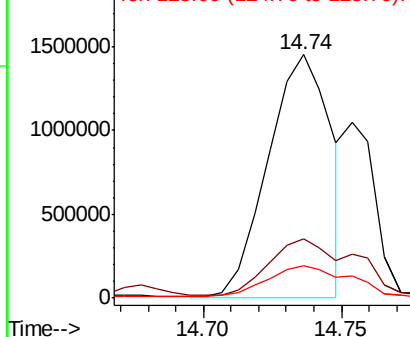
Delta R.T. -0.01 min

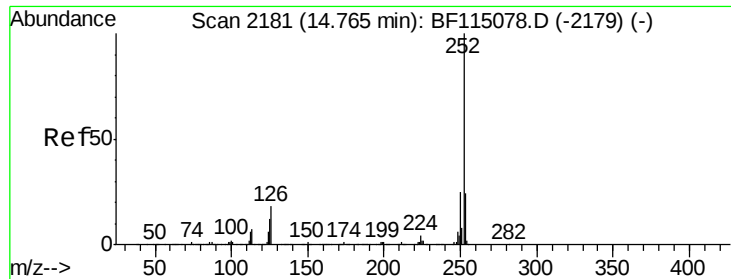
Lab File: BF115174.D

Acq: 25 Jun 2019 3:27

Tgt Ion:	252	Resp:	2304437
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.1	27.1
125	13.1	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





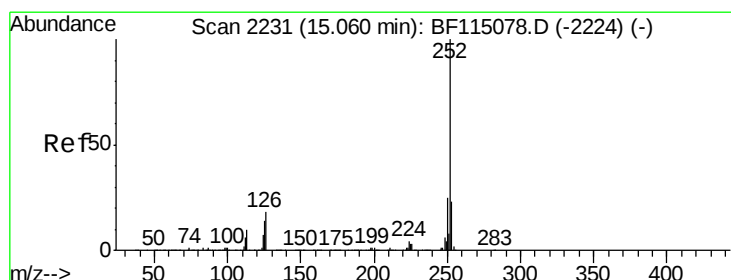
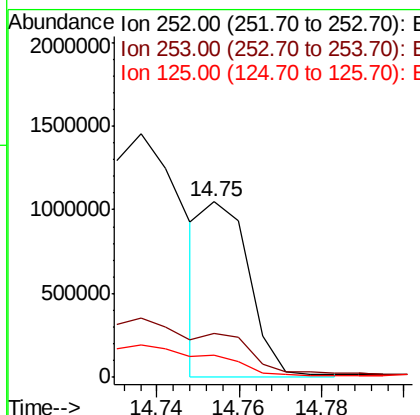
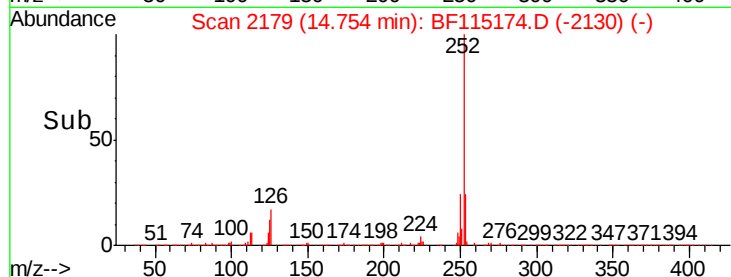
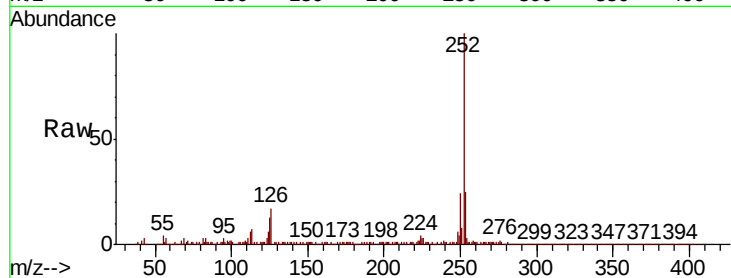
#89
Benzo(k)fluoranthene
Concen: 28.579 ng/mL
RT: 14.75 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF115174.D
Acq: 25 Jun 2019 3:27

Instrument :
BNA_F
ClientSampleId :
OK-03-062019

Tot Ion:	252	Resp:	813086
Ion Ratio	Lower	Upper	
252	100		
253	25.3	18.9	28.3
125	12.8	10.2	15.2

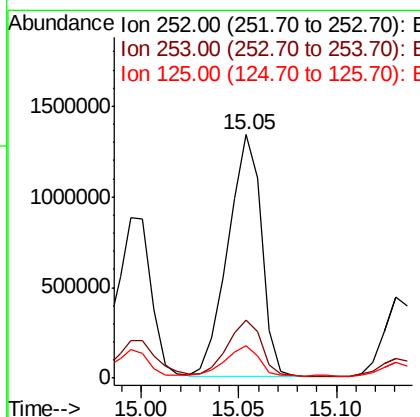
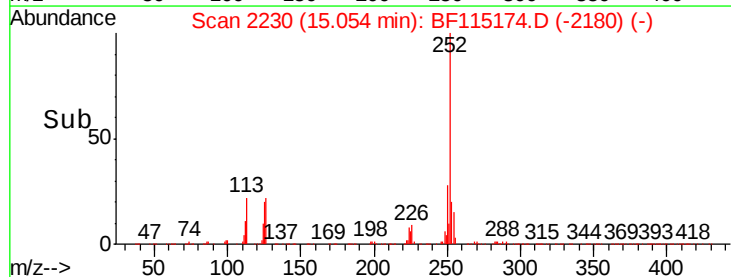
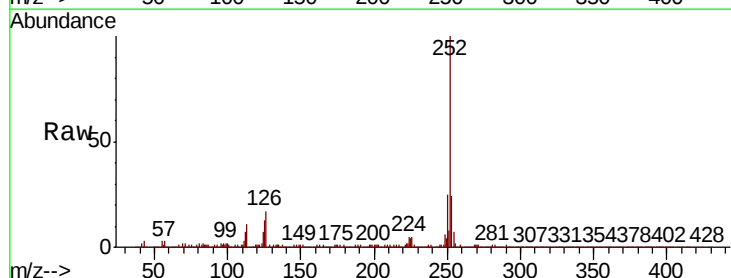
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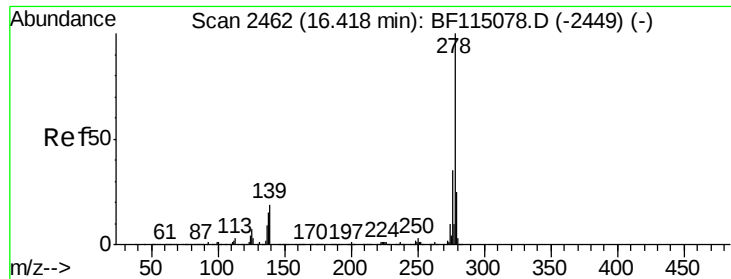
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#90
Benzo(a)pyrene
Concen: 55.685 ng/mL
RT: 15.05 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF115174.D
Acq: 25 Jun 2019 3:27

Tgt Ion:	252	Resp:	1592244
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.3	27.5
125	13.3	10.9	16.3





#91

Dibenzo(a,h)anthracene

Concen: 8.696 ng

RT: 16.39 min Scan# 2457

Delta R.T. -0.03 min

Lab File: BF115174.D

Acq: 25 Jun 2019 3:27

Instrument :

BNA_F

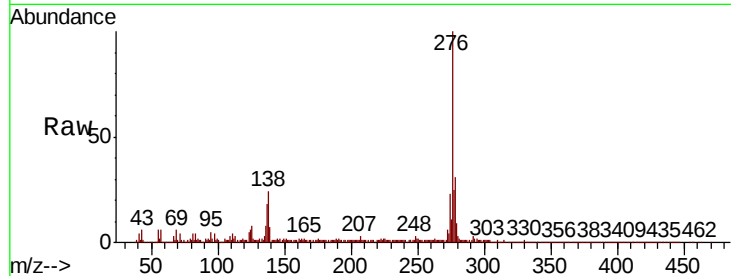
ClientSampleId :

OK-03-062019

Tot Ion:	278	Resp:	232131
Ion Ratio	Lower	Upper	
278	100		
139	22.7	15.4	23.2
279	30.2	19.9	29.9#

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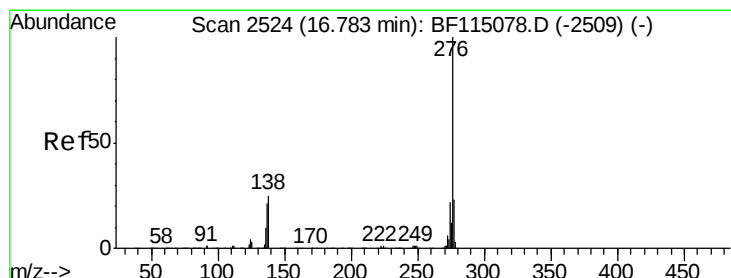
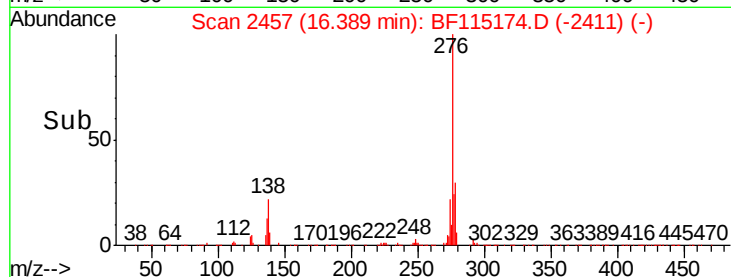
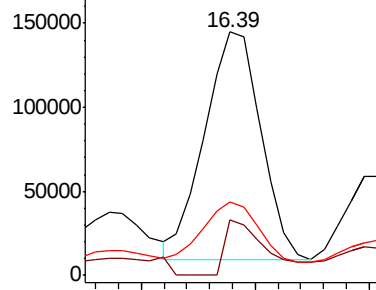


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 32.324 ng

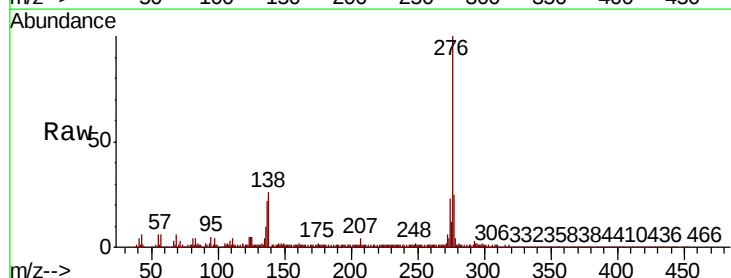
RT: 16.77 min Scan# 2521

Delta R.T. -0.02 min

Lab File: BF115174.D

Acq: 25 Jun 2019 3:27

Tgt Ion:	276	Resp:	873332
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.6	28.0
138	26.1	19.8	29.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

