

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
 Data File : BF115260.D
 Acq On : 28 Jun 2019 3:08
 Operator : HP/JU
 Sample : K3159-11 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-062619-B

Manual Integrations
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Quant Time: Jun 28 07:50:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	228857	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	880509	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	434636	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	873816	20.00	ng	0.00
76) Chrysene-d12	13.72	240	624548	20.00	ng	0.00
87) Perylene-d12	15.08	264	488299	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	675010	45.52	ng	0.00
7) Phenol-d6	6.24	99	860055	47.78	ng	0.00
23) Nitrobenzene-d5	7.15	82	472165	32.99	ng	-0.01
42) 2,4,6-Tribromophenol	10.41	330	243765	53.18	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	937352	36.63	ng	0.00
79) Terphenyl-d14	12.68	244	1106408	37.67	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.35	163	176590	5.522	ng	99
52) Acenaphthene	9.65	154	65475	2.381	ng	98
71) Phenanthrene	11.12	178	1359994	28.907	ng	99
72) Anthracene	11.17	178	529603	11.152	ng	98
73) Carbazole	11.32	167	85397	2.014	ng	98
75) Fluoranthene	12.31	202	2475345	52.733	ng	99
78) Pyrene	12.53	202	2206992	45.982	ng	98
81) Benzo(a)anthracene	13.71	228	1187898	26.508	ng	97
83) Chrysene	13.75	228	974967	23.751	ng	98
86) Indeno(1,2,3-cd)pyrene	16.35	276	377102	7.763	ng	96
88) Benzo(b)fluoranthene	14.71	252	1127615m	37.009	ng	
89) Benzo(k)fluoranthene	14.74	252	261014m	9.553	ng	
90) Benzo(a)pyrene	15.03	252	674073	24.546	ng	98
91) Dibenzo(a,h)anthracene	16.35	278	88204m	3.440	ng	
92) Benzo(a,h,i)perylene	16.72	276	337072	12.990	ng	99

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

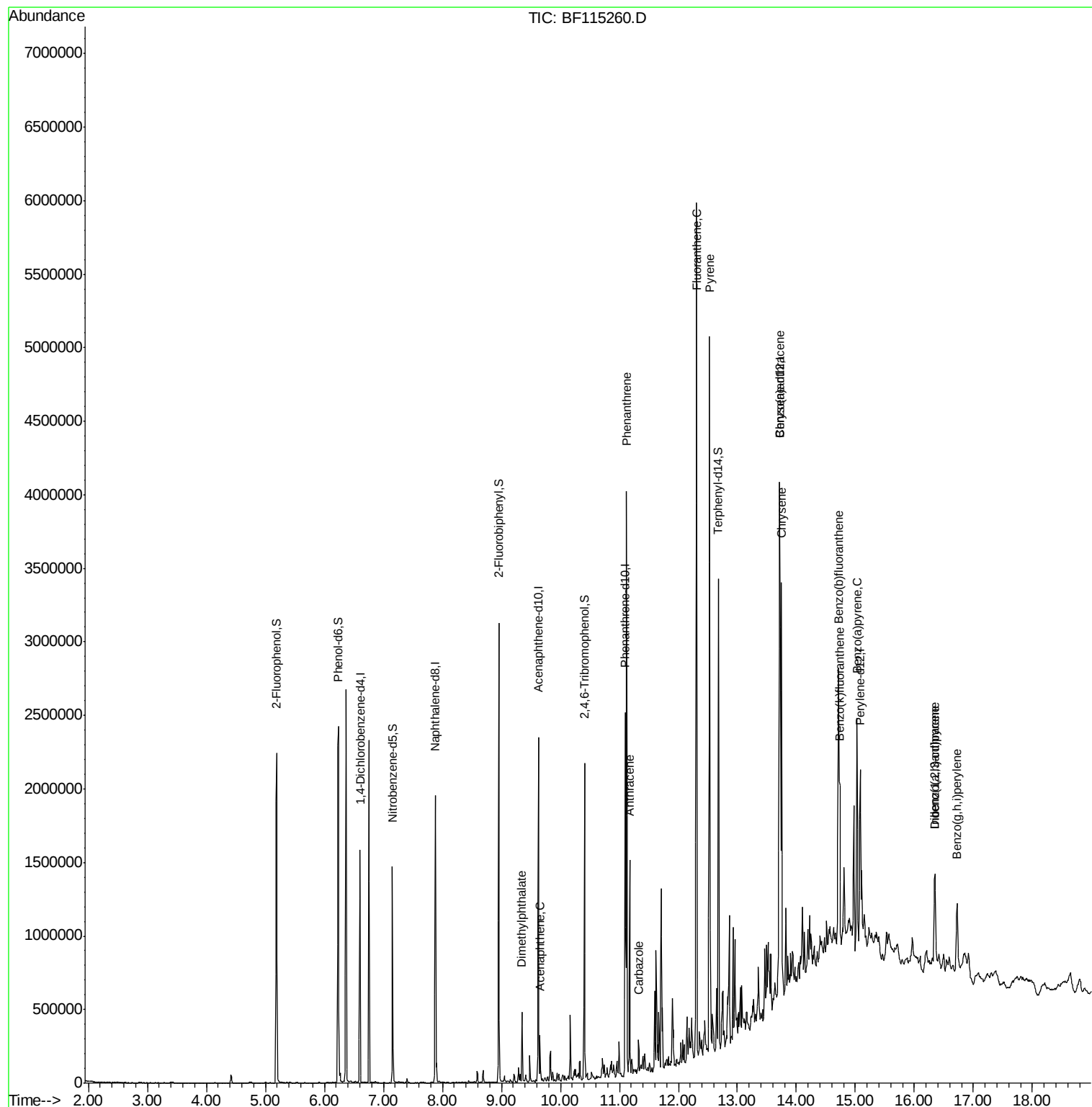
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115260.D
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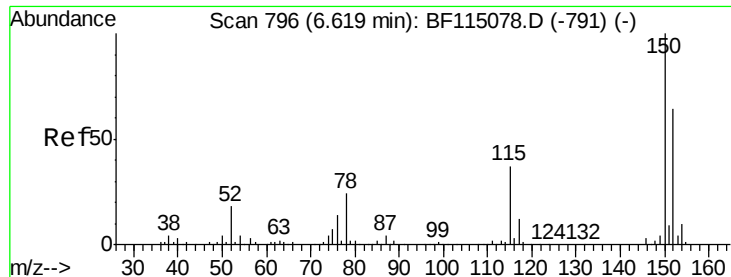
Instrument :
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ClientSampleId :
OR-03-062619-B

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Quant Time: Jun 28 07:50:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 05:26:43 2019
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#1

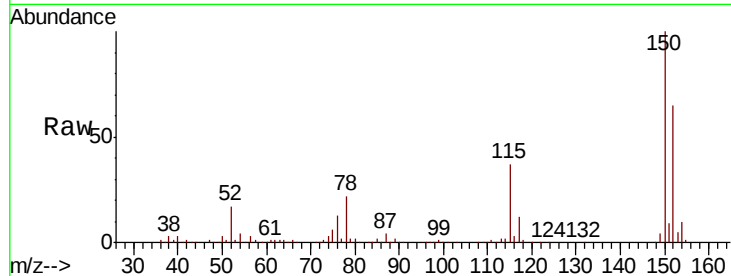
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF115260.D
Acq: 28 Jun 2019 3:08

Instrument :
BNA_F
ClientSampleId :
OR-03-062619-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.2	186.2
115	56.0	46.1	69.1

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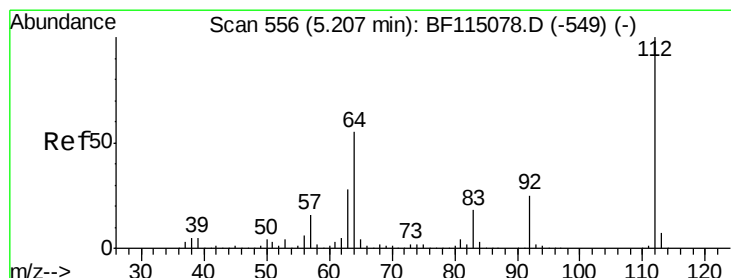
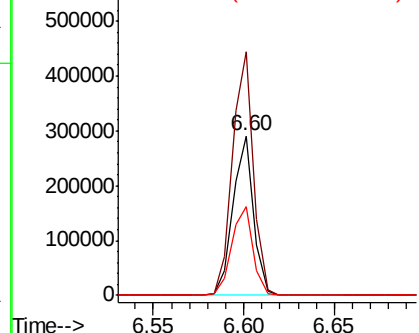
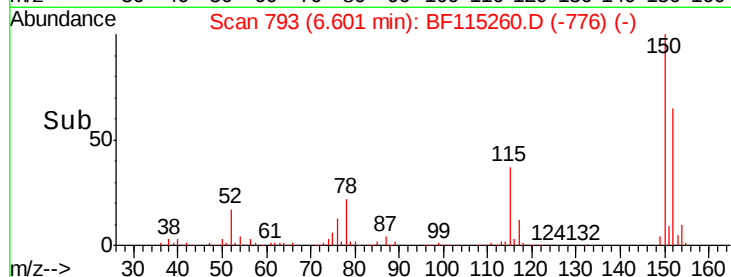


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

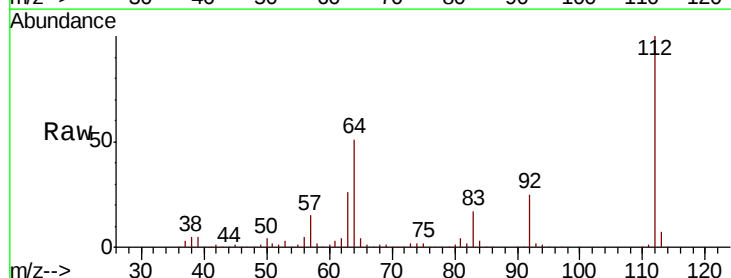
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.516 ng
RT: 5.19 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF115260.D
Acq: 28 Jun 2019 3:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	43.8	65.6
63	25.7	22.2	33.4

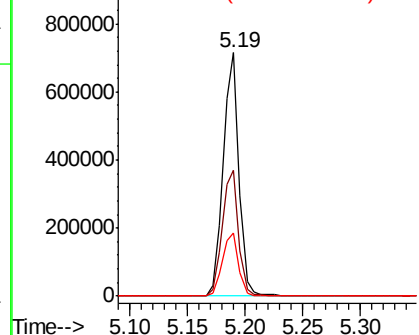
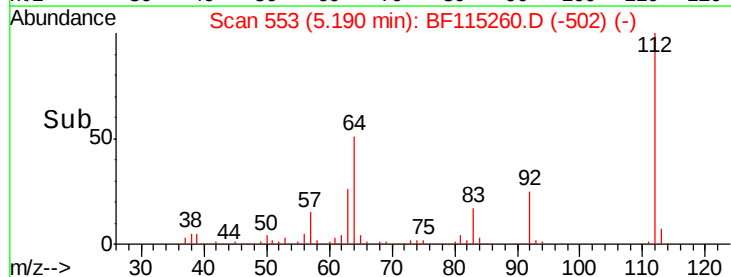


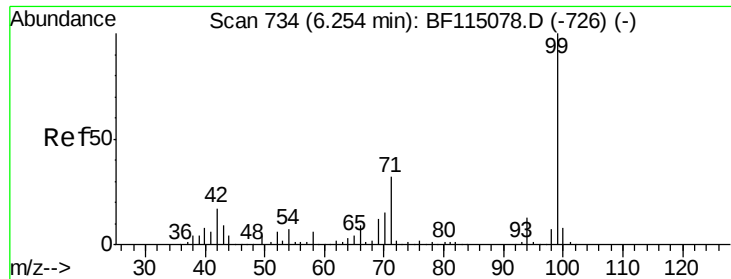
Abundance

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: 47.780 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115260.D

Acq: 28 Jun 2019 3:08

Instrument :

BNA_F

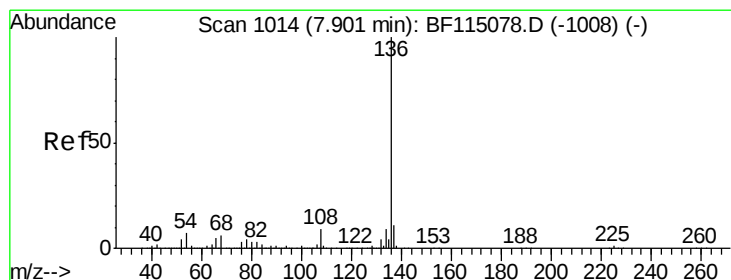
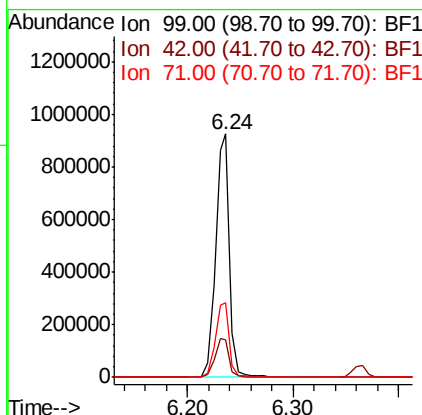
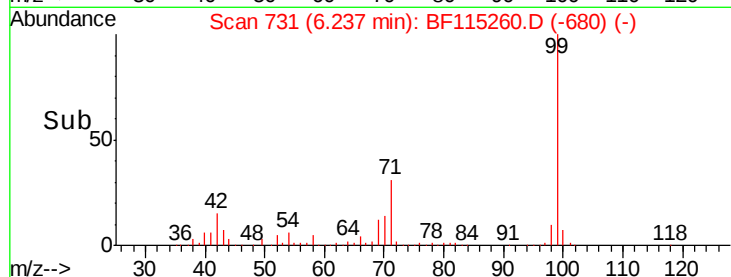
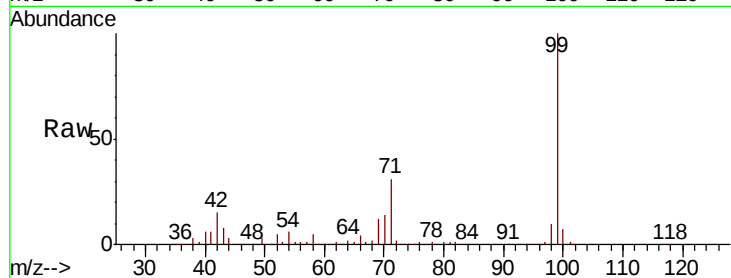
ClientSampleId :

OR-03-062619-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		860055		
42	15.3	13.6	20.4		
71	30.5	25.5	38.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

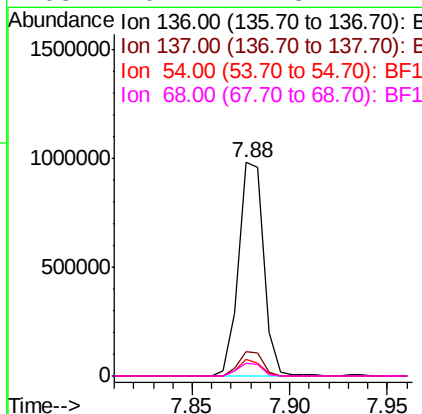
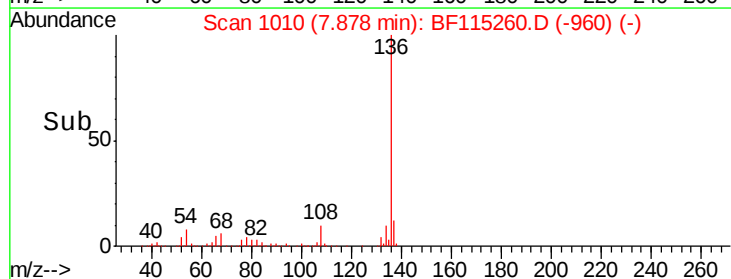
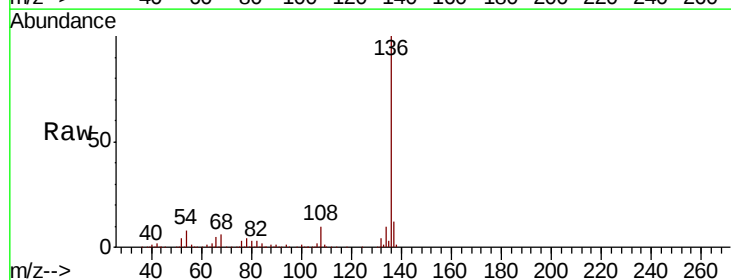
RT: 7.88 min Scan# 1010

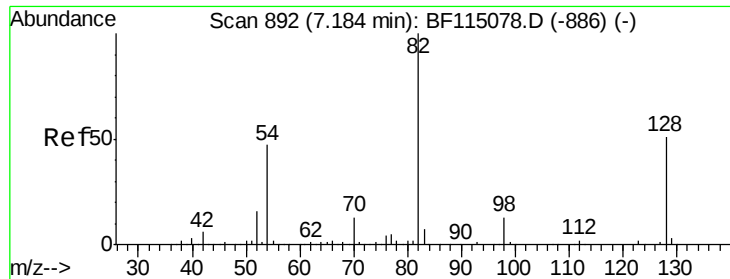
Delta R.T. -0.01 min

Lab File: BF115260.D

Acq: 28 Jun 2019 3:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		880509		
137	11.7	8.9	13.3		
54	7.6	5.6	8.4		
68	6.2	4.8	7.2		





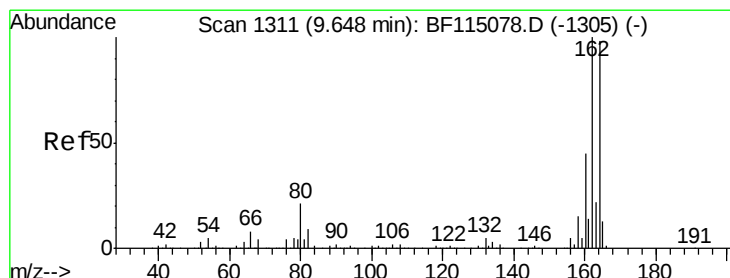
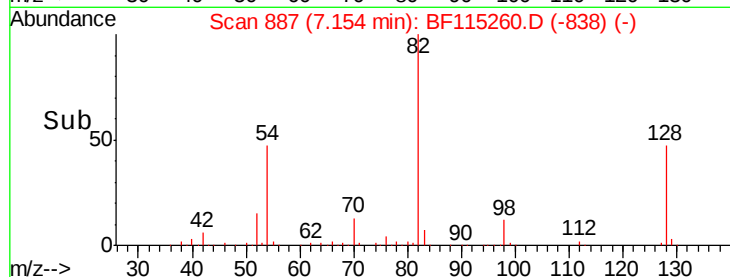
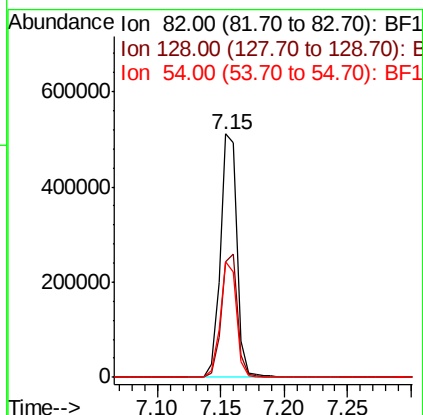
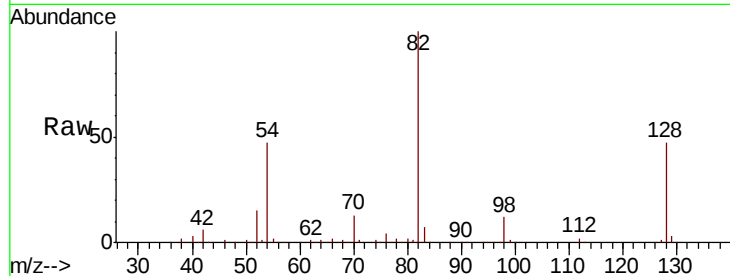
#23
Nitrobenzene-d5
Concen: 32.987 ng
RT: 7.15 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF115260.D
Acq: 28 Jun 2019 3:08

Instrument :
BNA_F
ClientSampleId :
OR-03-062619-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.3	40.4	60.6
54	47.2	37.5	56.3

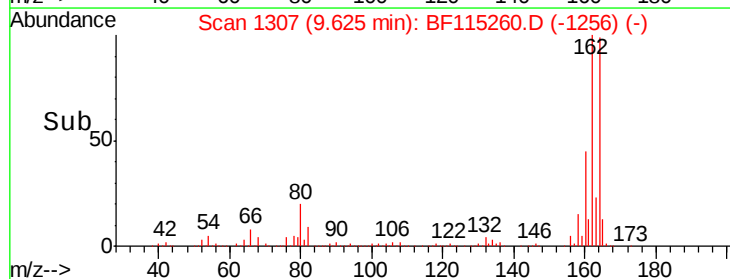
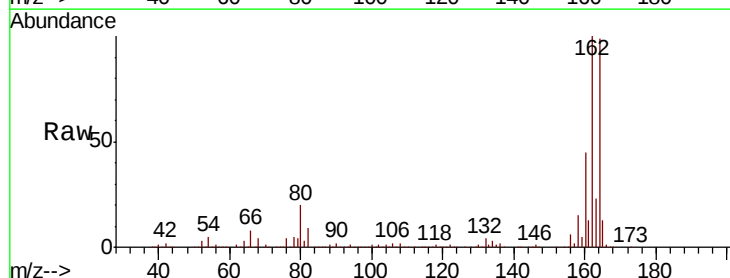
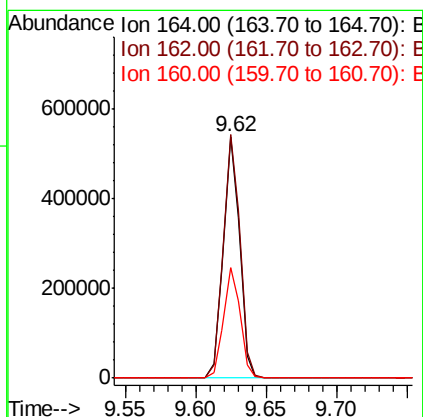
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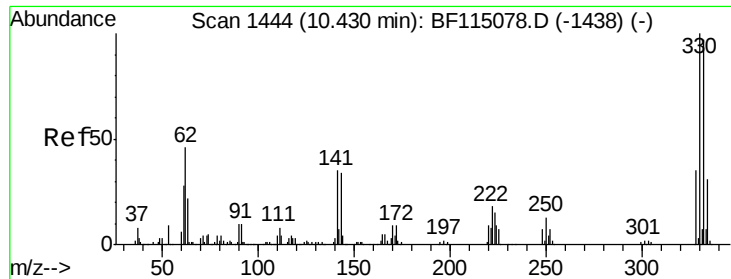
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF115260.D
Acq: 28 Jun 2019 3:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.7	122.5
160	45.7	37.0	55.4





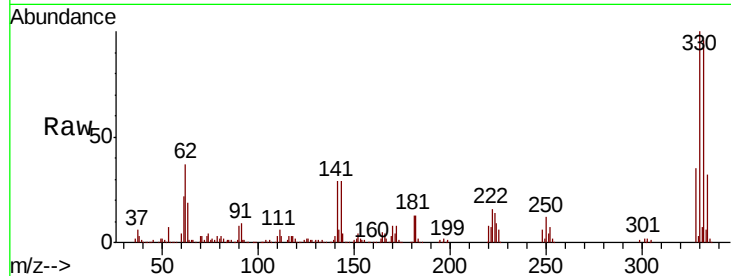
#42
 2,4,6-Tribromophenol
 Concen: 53.184 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115260.D
 Acq: 28 Jun 2019 3:08

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-062619-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	243765		
332	95.9	77.3	115.9	
141	33.8	28.2	42.2	

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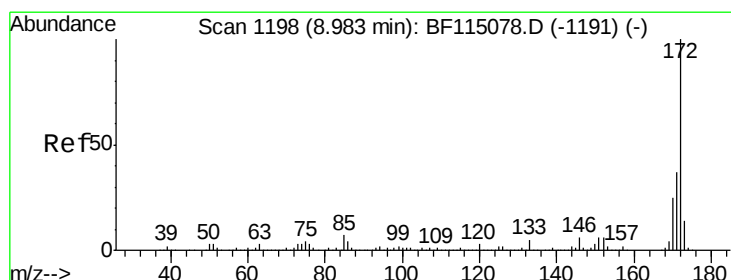
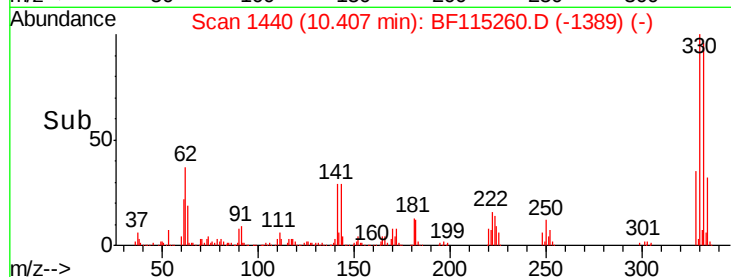
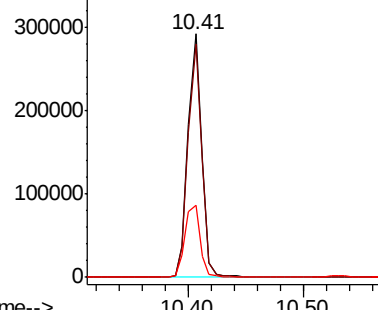


Abundance

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: 36.633 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF115260.D
 Acq: 28 Jun 2019 3:08

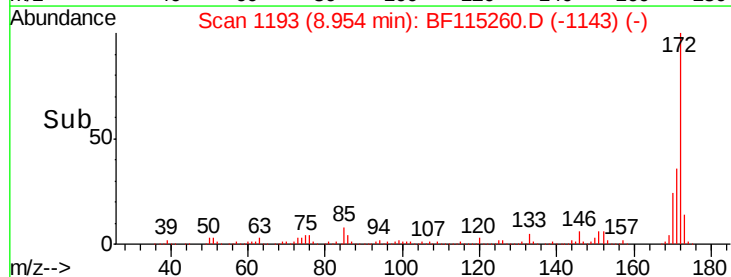
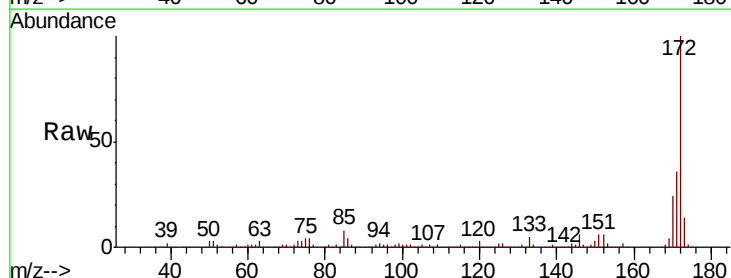
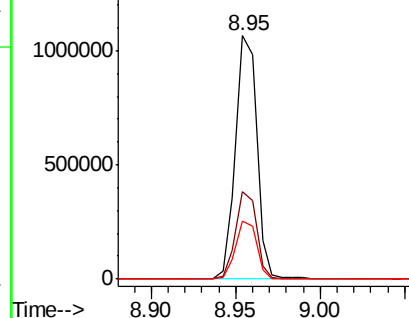
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	937352		
171	36.1	29.8	44.6	
170	23.9	20.3	30.5	

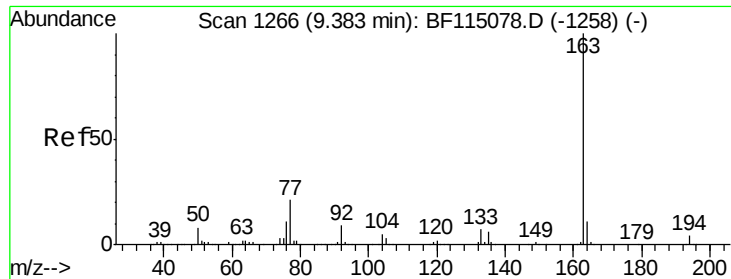
Abundance

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





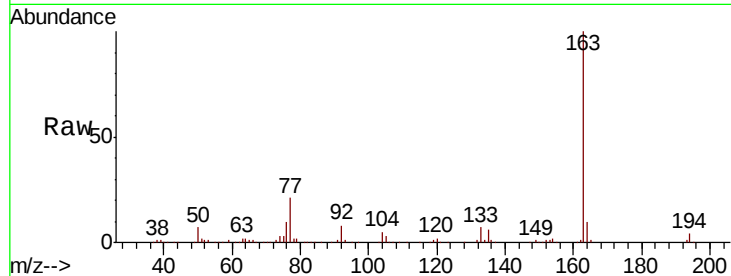
#50
Dimethylphthalate
Concen: 5.522 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115260.D
Acq: 28 Jun 2019 3:08

Instrument :
BNA_F
ClientSampleId :
OR-03-062619-B

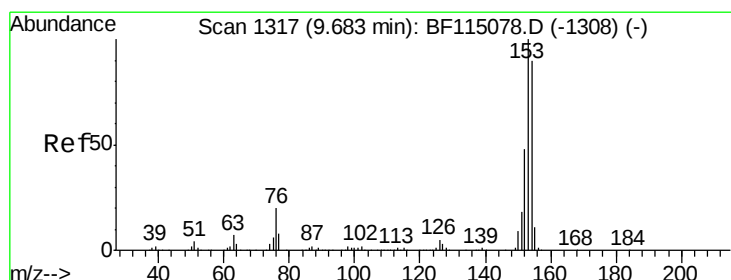
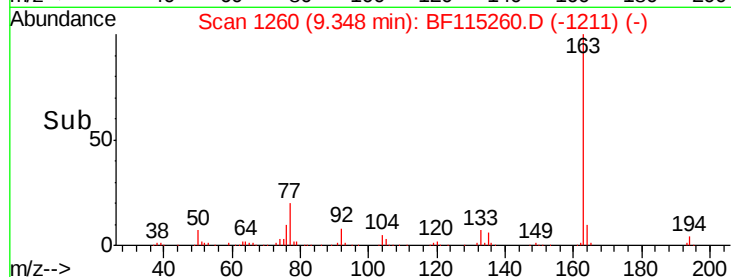
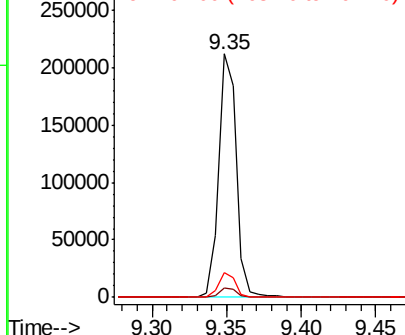
Tot Ion	Ratio	Resp	Lower	Upper
163	100	176590		
194	3.8		3.2	4.8
164	10.3		8.6	13.0

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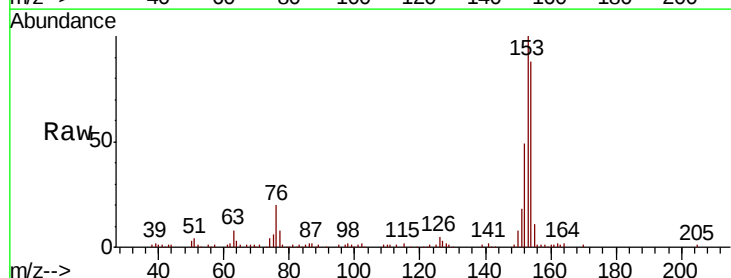


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

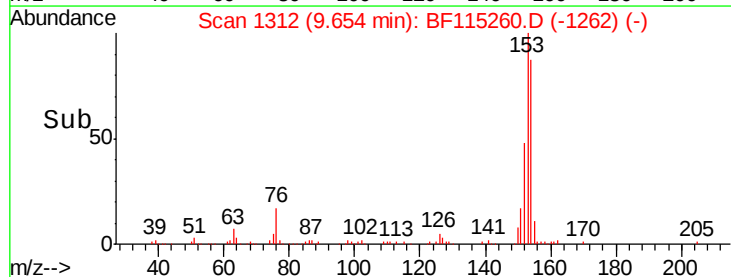
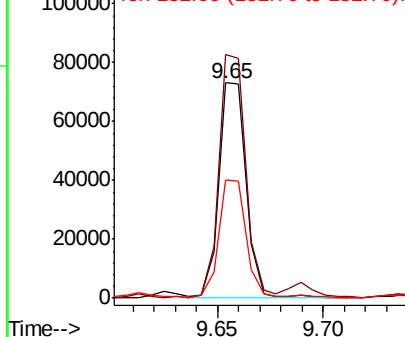


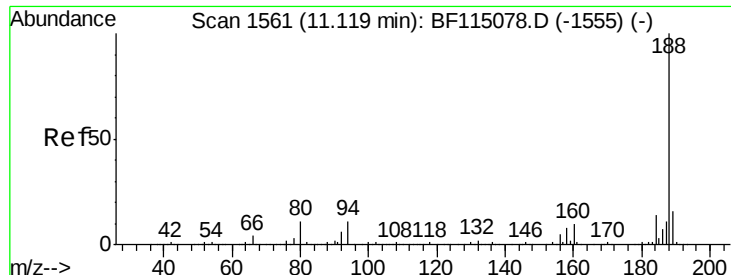
#52
Acenaphthene
Concen: 2.381 ng
RT: 9.65 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF115260.D
Acq: 28 Jun 2019 3:08

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	65475		
153	113.1		88.7	133.1
152	54.9		42.6	64.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





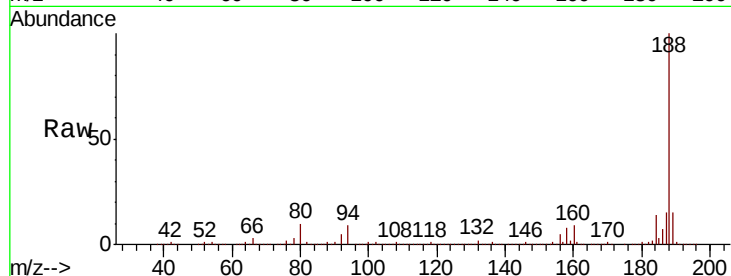
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF115260.D
Acq: 28 Jun 2019 3:08

Instrument :
BNA_F
ClientSampled :
OR-03-062619-B

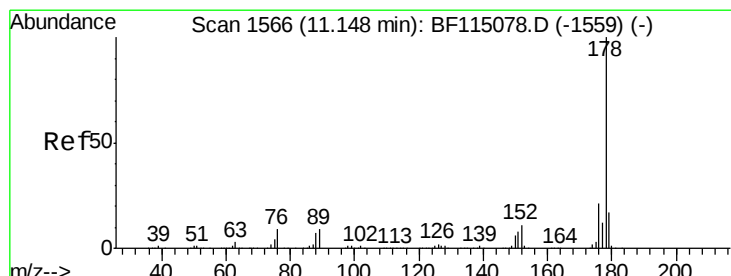
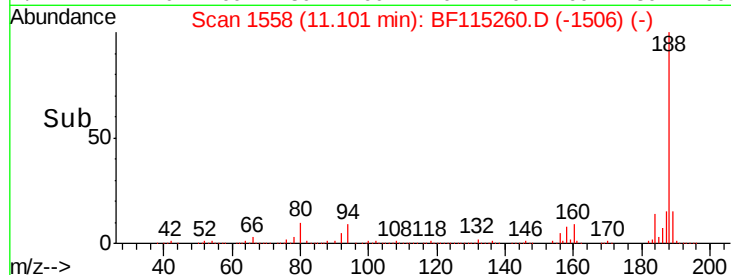
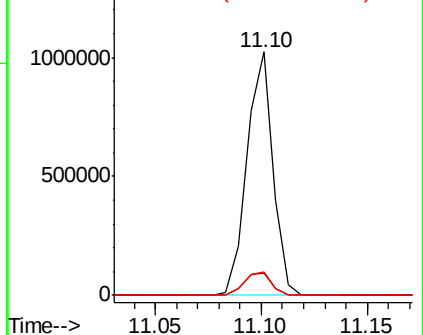
Tot Ion	Ratio	Resp	Lower	Upper
188	100	873816		
94	9.2		8.6	12.8
80	9.7		8.8	13.2

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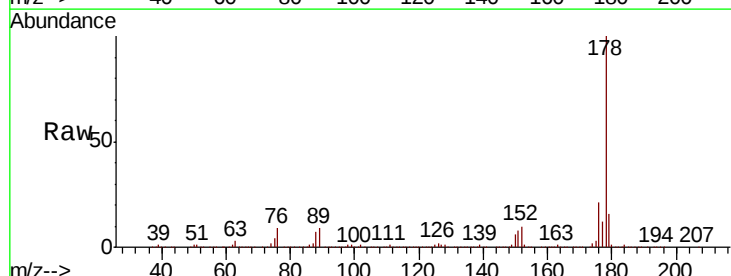


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

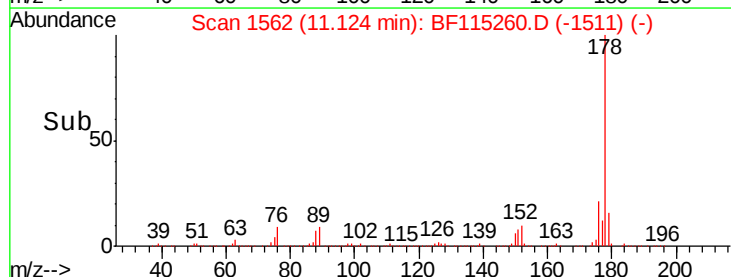
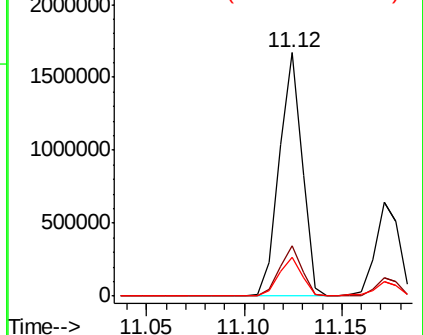


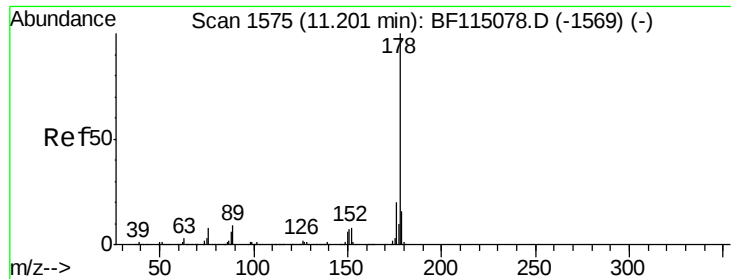
#71
Phenanthrene
Concen: 28.907 ng
RT: 11.12 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF115260.D
Acq: 28 Jun 2019 3:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1359994		
176	20.6		16.9	25.3
179	16.1		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: 11.152 ng

RT: 11.17 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF115260.D

Acq: 28 Jun 2019 3:08

Instrument :

BNA_F

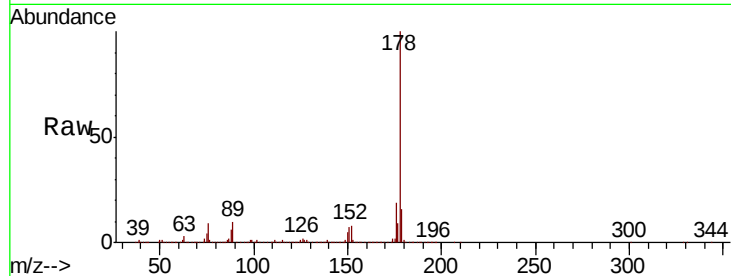
ClientSampleId :

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Tot Ion:	178	Resp:	529603
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.1	24.1
179	15.7	12.9	19.3

Manual Integrations
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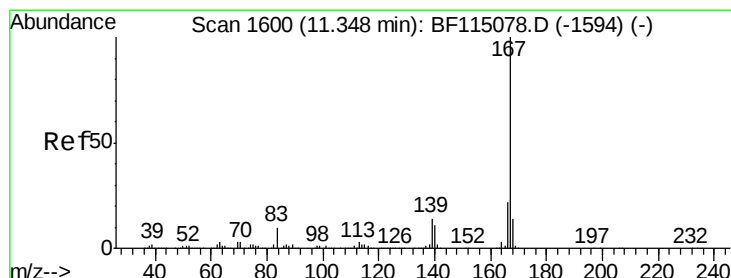
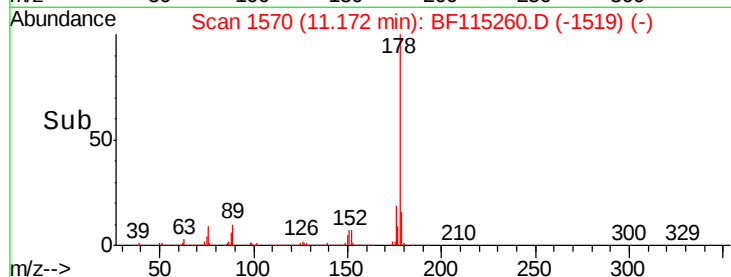
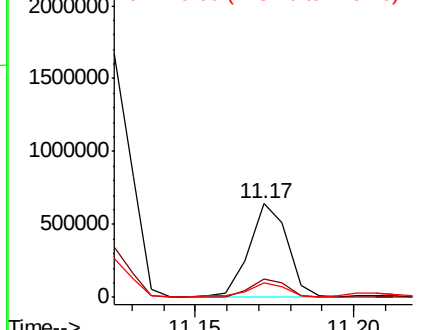


Abundance

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



#73

Carbazole

Concen: 2.014 ng

RT: 11.32 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF115260.D

Acq: 28 Jun 2019 3:08

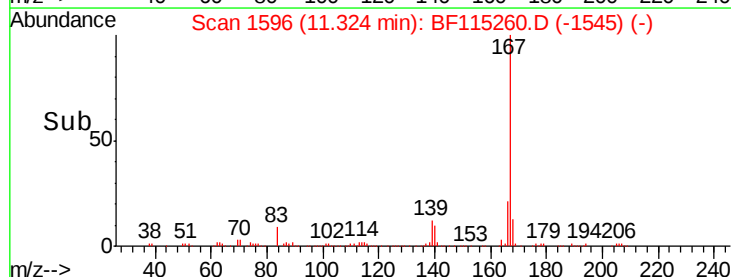
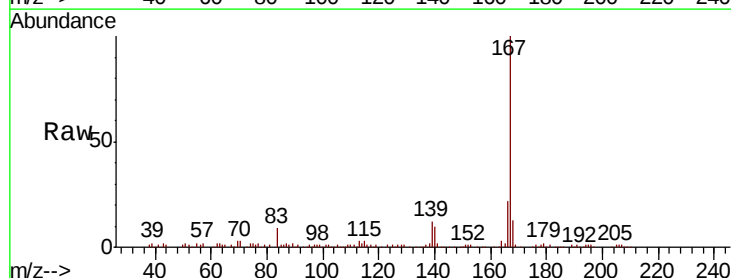
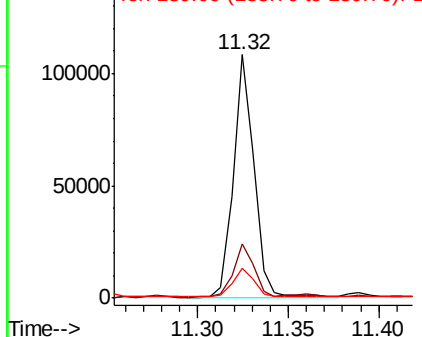
Tgt Ion:	167	Resp:	85397
Ion Ratio	Lower	Upper	
167	100		
166	22.1	18.0	27.0
139	12.3	11.1	16.7

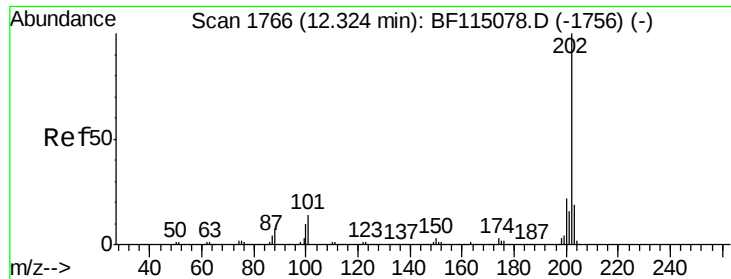
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 52.733 ng

RT: 12.31 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF115260.D

Acq: 28 Jun 2019 3:08

Instrument :

BNA_F

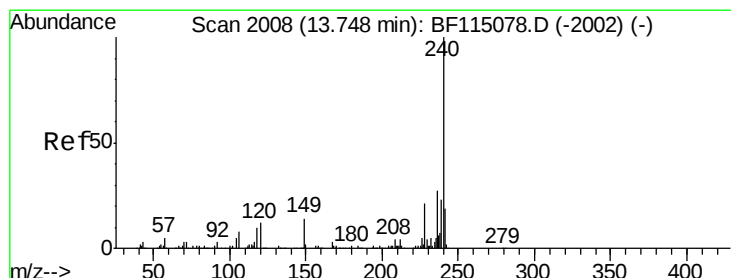
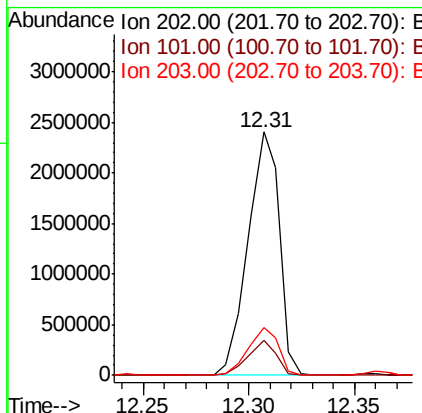
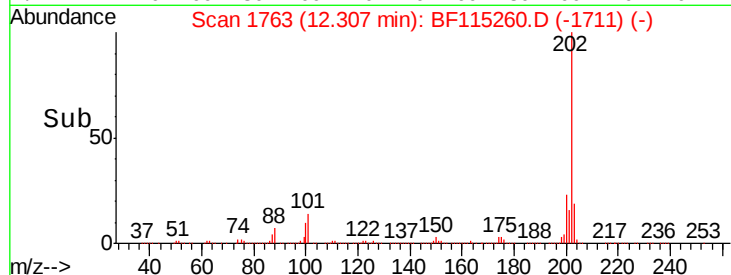
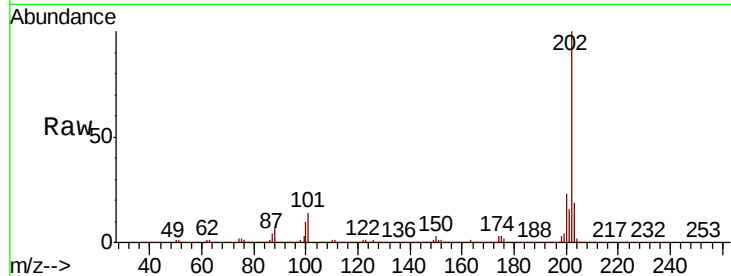
ClientSampleId :

OR-03-062619-B

Tot Ion:	202	Resp:	2475345
Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.0
203	19.4	0.0	38.8

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#76

Chrysene-d12

Concen: 20.000 ng

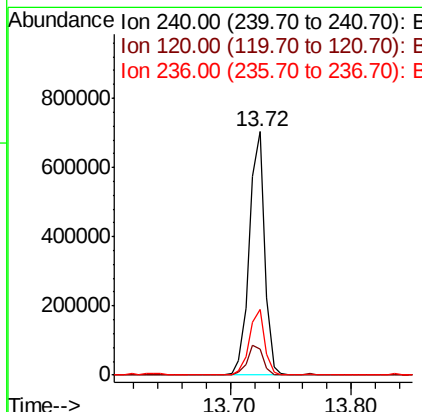
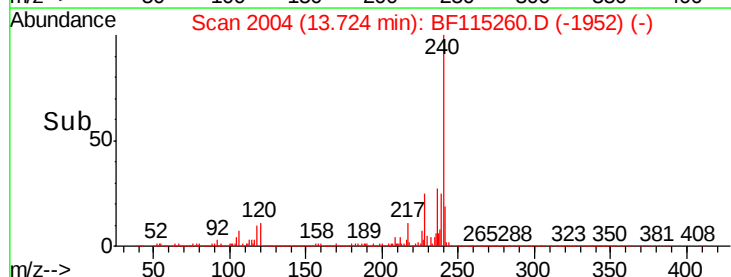
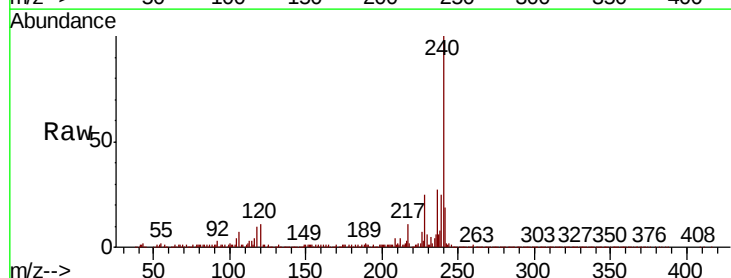
RT: 13.72 min Scan# 2004

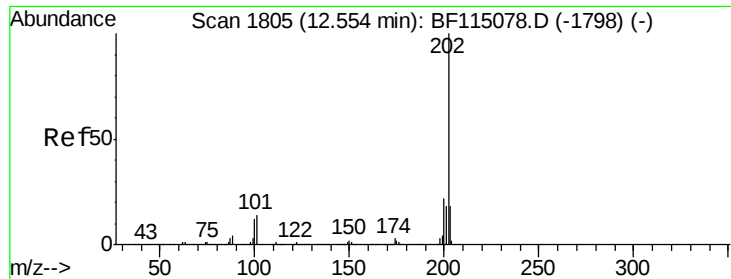
Delta R.T. 0.01 min

Lab File: BF115260.D

Acq: 28 Jun 2019 3:08

Tgt Ion:	240	Resp:	624548
Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.4	14.2
236	27.1	21.7	32.5





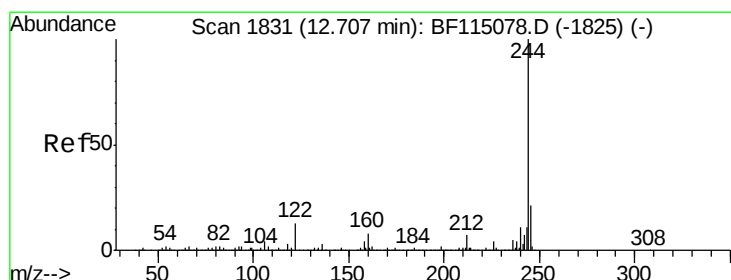
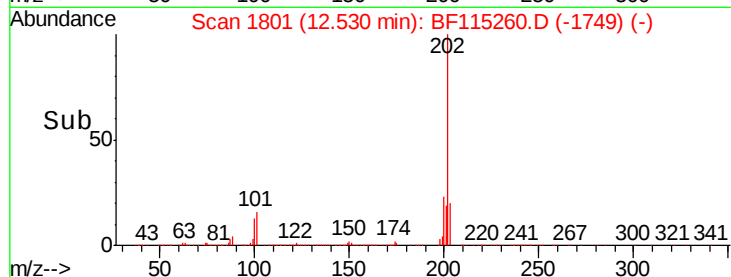
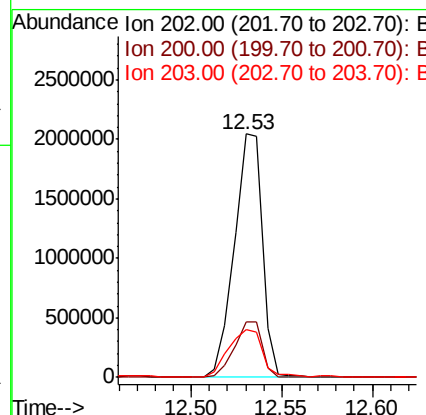
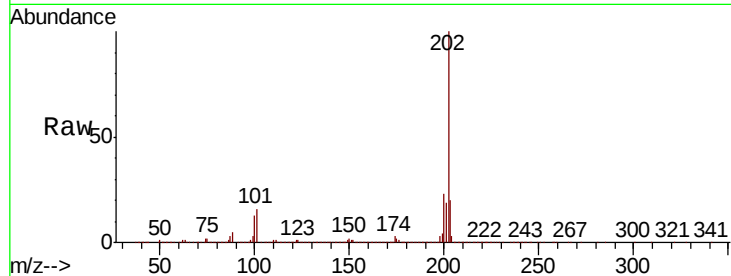
#78
Pvrene
Concen: 45.982 ng
RT: 12.53 min Scan# 1801
Delta R.T. 0.01 min
Lab File: BF115260.D
Acq: 28 Jun 2019 3:08

Instrument :
BNA_F
ClientSampleId :
OR-03-062619-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.0	17.9	26.9
203	19.6	14.6	21.8

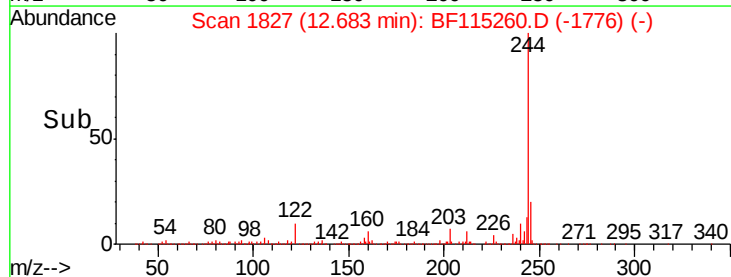
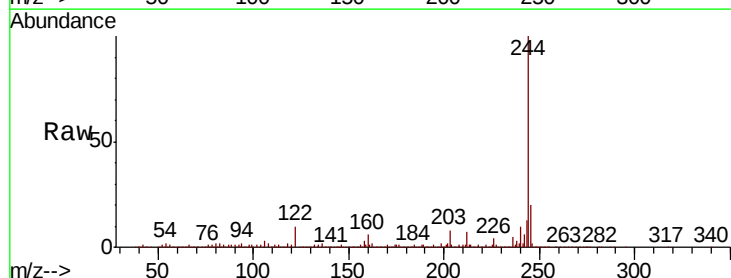
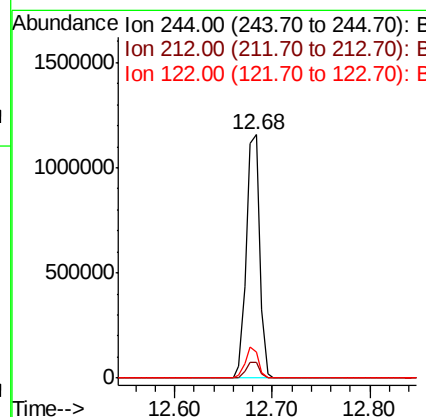
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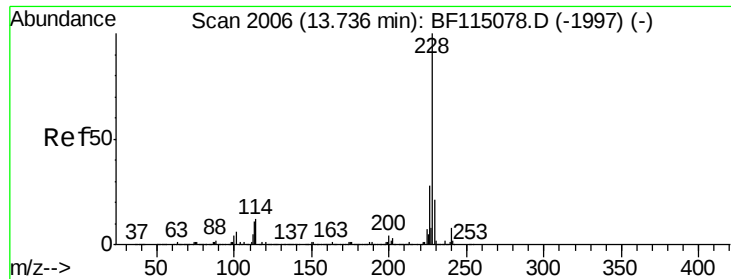
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#79
Terphenyl-d14
Concen: 37.666 ng
RT: 12.68 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF115260.D
Acq: 28 Jun 2019 3:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.6
122	10.5	10.4	15.6





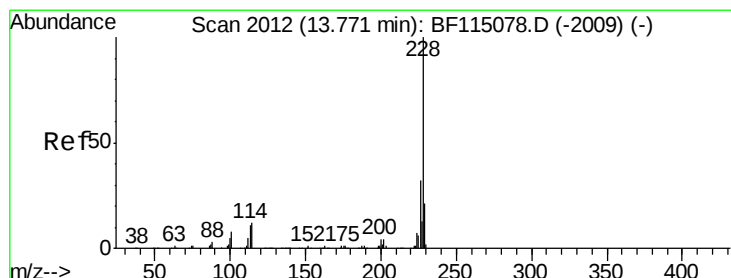
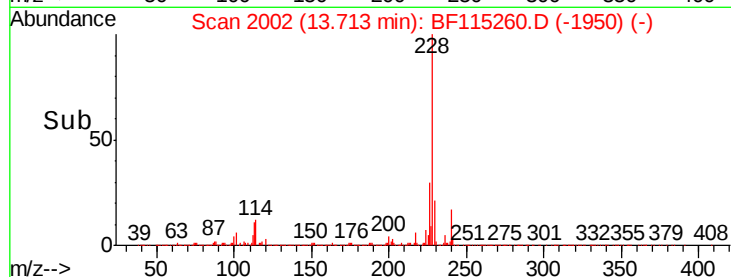
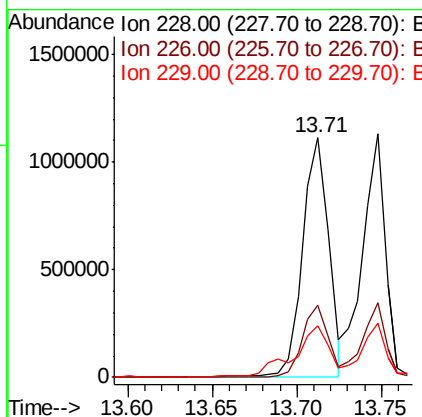
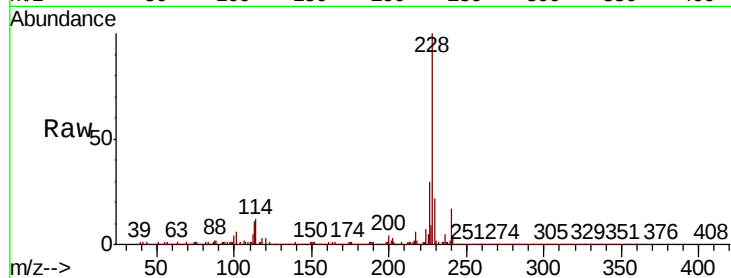
#81
Benzo(a)anthracene
Concen: 26.508 ng
RT: 13.71 min Scan# 2002
Delta R.T. 0.01 min
Lab File: BF115260.D
Acq: 28 Jun 2019 3:08

Instrument :
BNA_F
ClientSampleId :
OR-03-062619-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.5	33.7
229	21.7	16.6	24.8

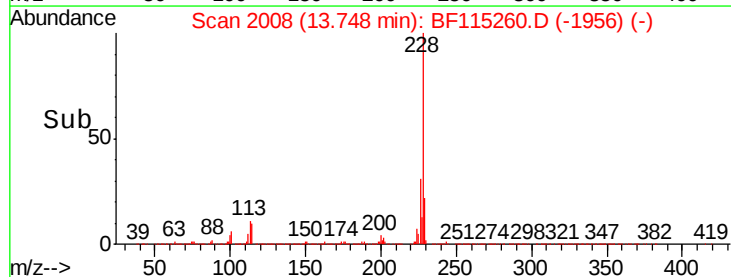
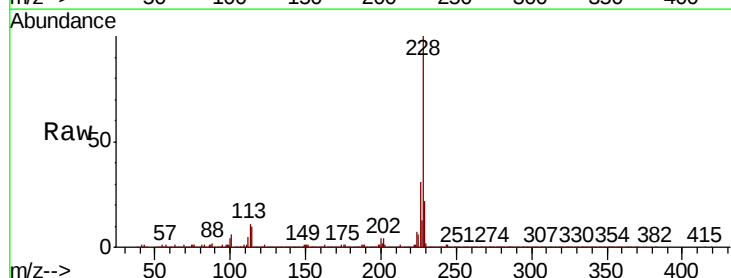
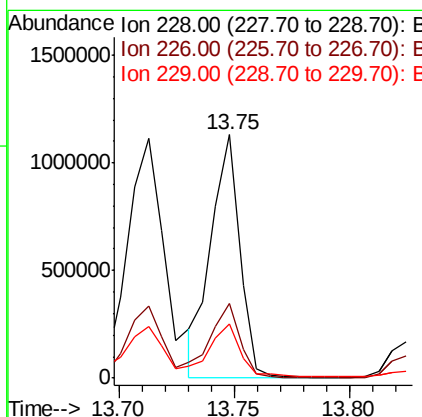
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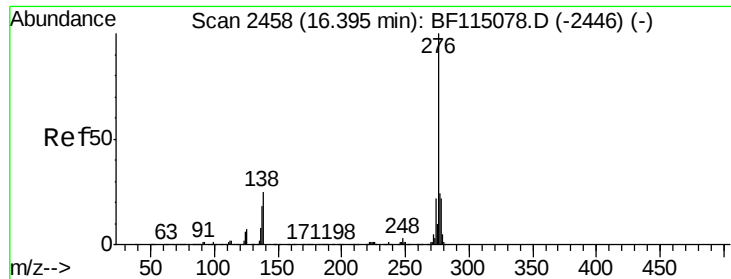
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#83
Chrysene
Concen: 23.751 ng
RT: 13.75 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BF115260.D
Acq: 28 Jun 2019 3:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.0
229	22.5	16.5	24.7





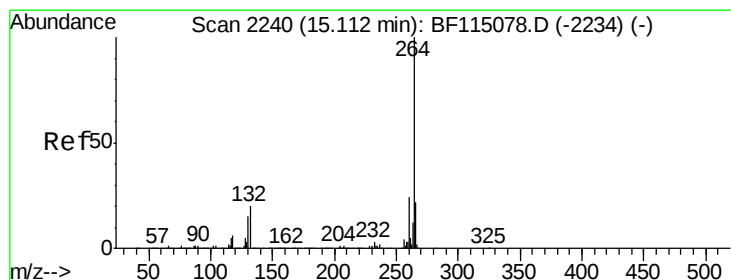
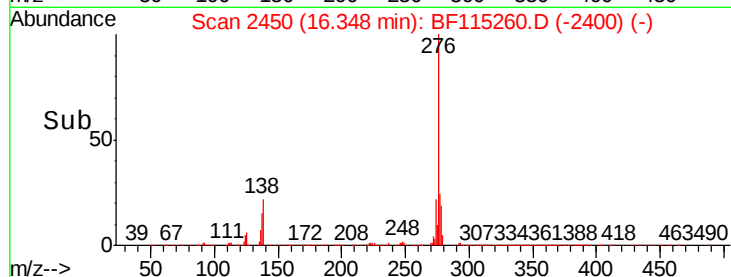
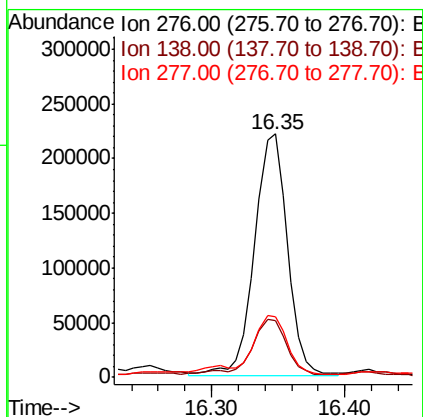
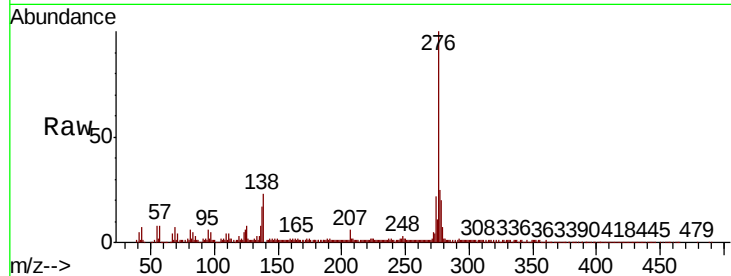
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.763 ng
 RT: 16.35 min Scan# 2450
 Delta R.T. -0.01 min
 Lab File: BF115260.D
 Acq: 28 Jun 2019 3:08

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-062619-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.8	23.2	34.8
277	24.9	20.1	30.1

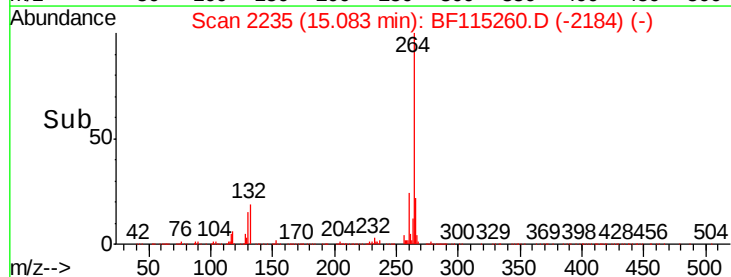
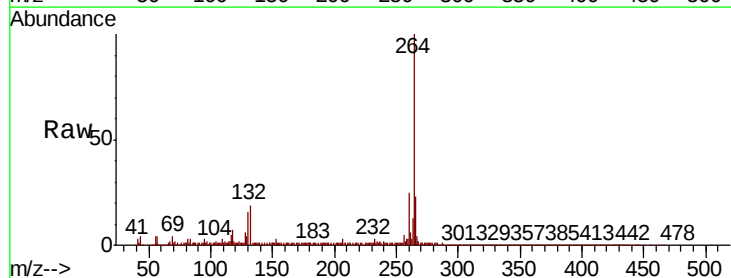
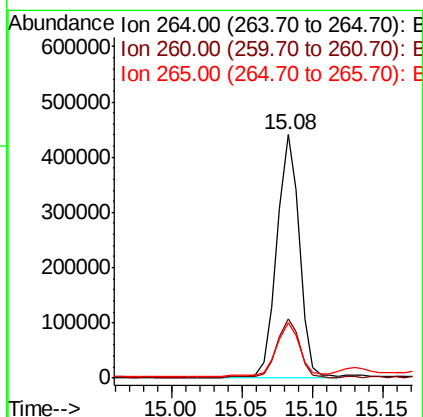
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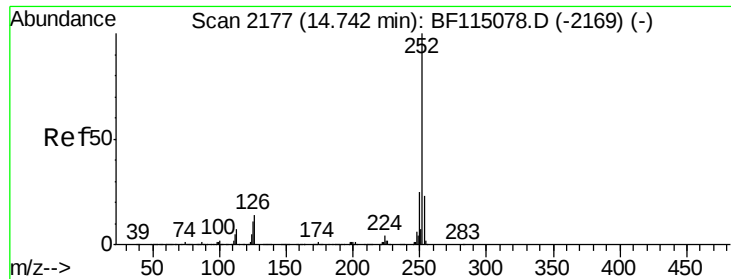
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.08 min Scan# 2235
 Delta R.T. 0.00 min
 Lab File: BF115260.D
 Acq: 28 Jun 2019 3:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	22.8	17.3	25.9





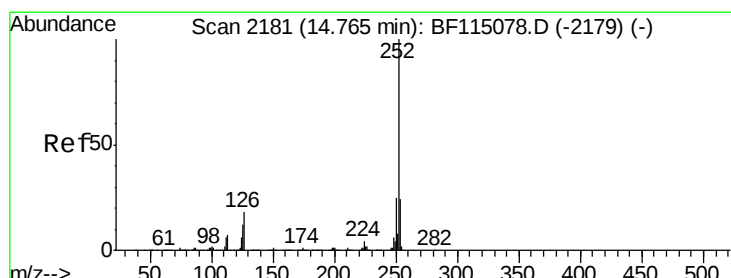
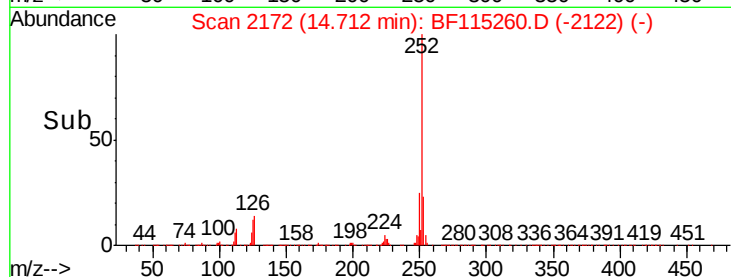
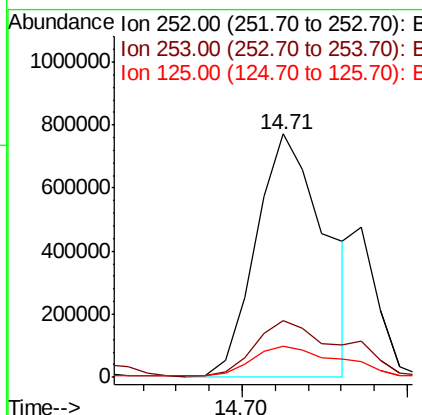
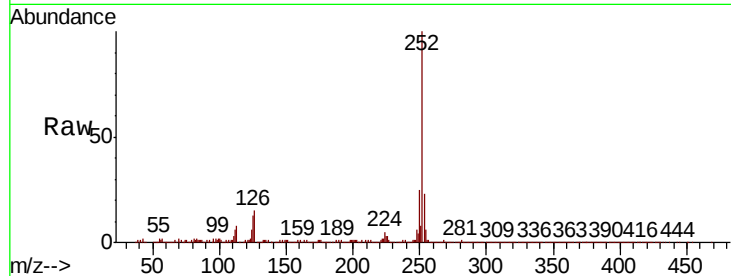
#88
Benzo(b)fluoranthene
Concen: 37.009 ng m
RT: 14.71 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BF115260.D
Acq: 28 Jun 2019 3:08

Instrument :
BNA_F
ClientSampleId :
OR-03-062619-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	12.6	8.7	13.1

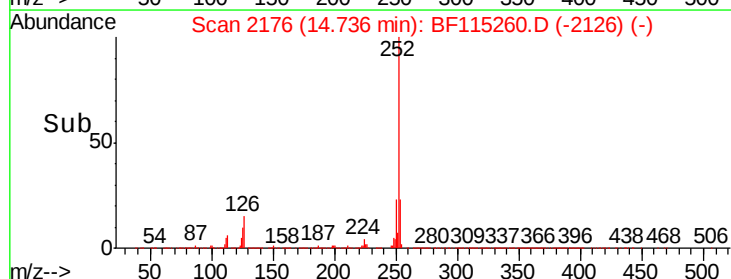
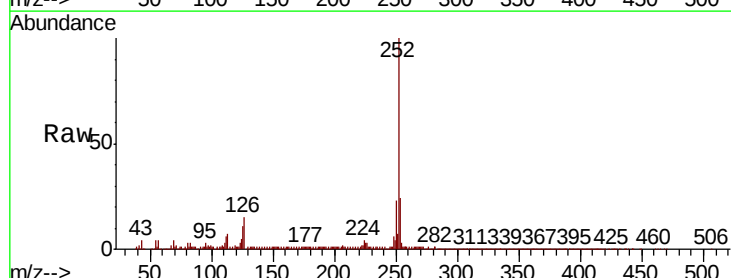
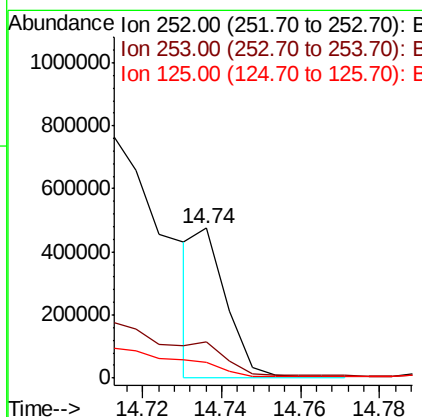
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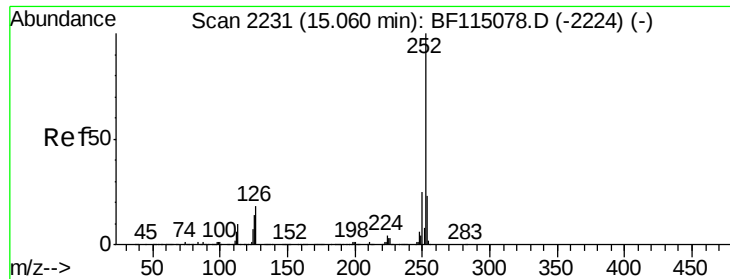
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#89
Benzo(k)fluoranthene
Concen: 9.553 ng m
RT: 14.74 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BF115260.D
Acq: 28 Jun 2019 3:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.9	28.3
125	10.9	10.2	15.2





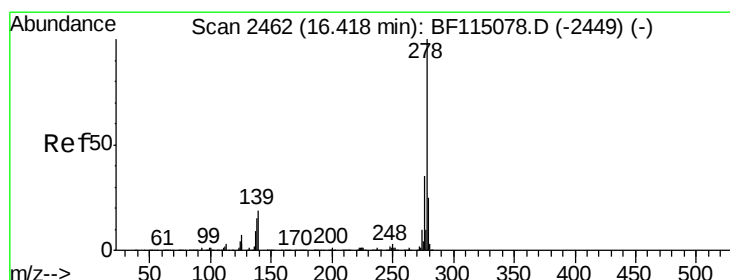
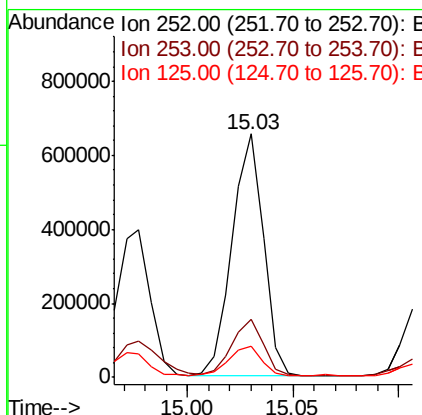
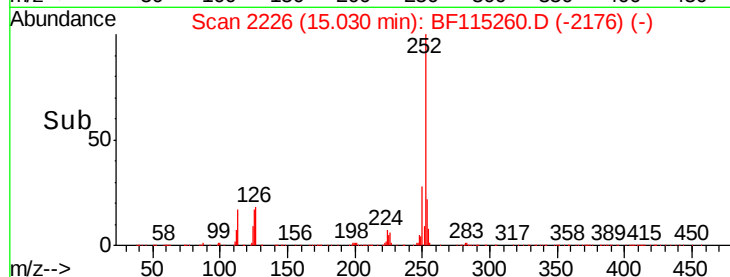
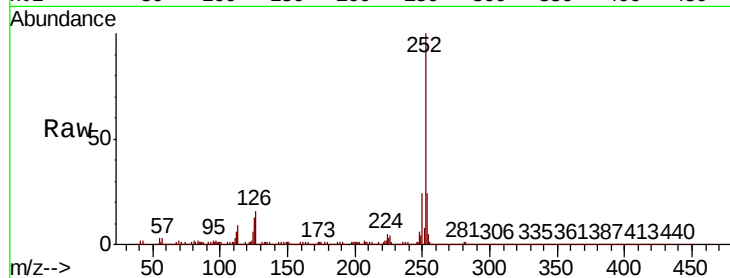
#90
Benzo(a)pyrene
Concen: 24.546 ng
RT: 15.03 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF115260.D
Acq: 28 Jun 2019 3:08

Instrument :
BNA_F
ClientSampleId :
OR-03-062619-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.3	27.5
125	12.6	10.9	16.3

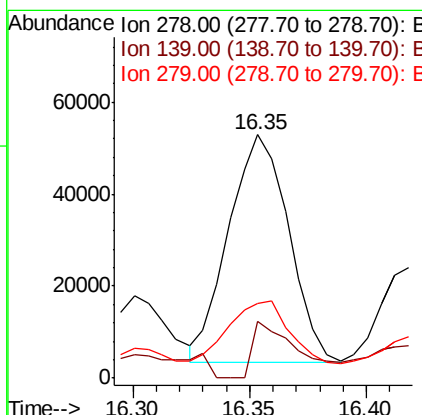
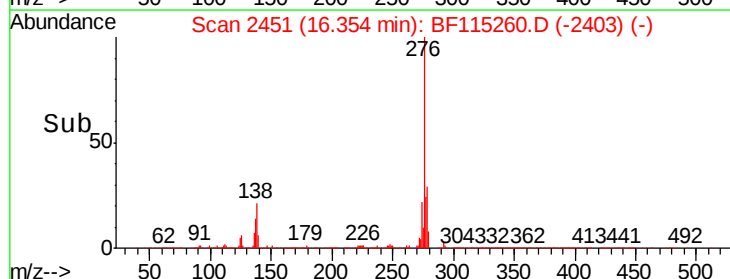
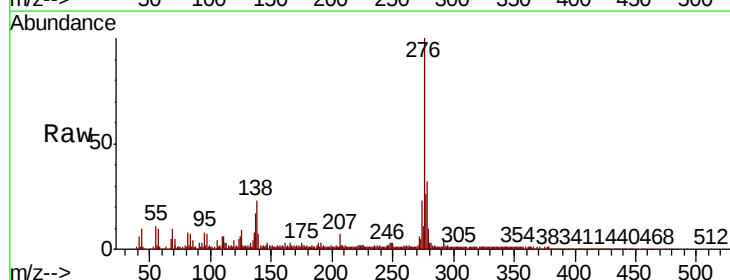
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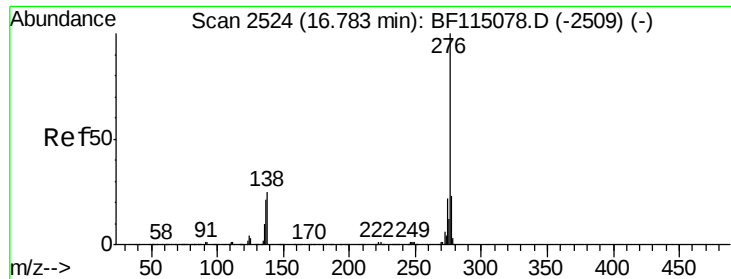
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#91
Dibenzo(a,h)anthracene
Concen: 3.440 ng m
RT: 16.35 min Scan# 2451
Delta R.T. -0.02 min
Lab File: BF115260.D
Acq: 28 Jun 2019 3:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.1	15.4	23.2
279	30.6	19.9	29.9





#92
 Benzo(a,h,i)perylene
 Concen: 12.990 ng
 RT: 16.72 min Scan# 2514
 Delta R.T. -0.01 min
 Lab File: BF115260.D
 Acq: 28 Jun 2019 3:08

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-062619-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	24.3	19.8	29.6

Manual Integrations
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