

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
 Data File : BF115252.D
 Acq On : 27 Jun 2019 23:34
 Operator : HP/JU
 Sample : K3509-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-062619-A

Manual Integrations
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mohammad
 6/28/2019 2:58:43 PM

Quant Time: Jun 28 07:14:09 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	247169	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	935424	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	459124	20.00	ng	0.00
64) Phenanthrene-d10	11.09	188	908819	20.00	ng	0.00
76) Chrysene-d12	13.71	240	737278	20.00	ng	0.00
87) Perylene-d12	15.08	264	760197	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1187808	74.16	ng	0.00
7) Phenol-d6	6.24	99	1499471	77.13	ng	0.00
23) Nitrobenzene-d5	7.15	82	885781	58.25	ng	-0.01
42) 2,4,6-Tribromophenol	10.40	330	377791	78.03	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	1624370	60.10	ng	0.00
79) Terphenyl-d14	12.68	244	1858374	53.59	ng	0.00
Target Compounds						
49) Acenaphthylene	9.48	152	126462	2.724	ng	Qvalue 96
50) Dimethylphthalate	9.35	163	343360	10.165	ng	98
71) Phenanthrene	11.11	178	312206	6.380	ng	97
72) Anthracene	11.17	178	133702	2.707	ng	98
75) Fluoranthene	12.30	202	1155294	23.664	ng	97
78) Pyrene	12.52	202	1377930	24.319	ng	99
81) Benzo(a)anthracene	13.70	228	749297	14.164	ng	96
83) Chrysene	13.74	228	679372	14.019	ng	98
86) Indeno(1,2,3-cd)pyrene	16.33	276	315980	5.510	ng	93
88) Benzo(b)fluoranthene	14.70	252	895389m	18.876	ng	
89) Benzo(k)fluoranthene	14.72	252	224541m	5.279	ng	
90) Benzo(a)pyrene	15.02	252	614112	14.364	ng	98
91) Dibenzo(a,h)anthracene	16.34	278	84465	2.116	ng	# 89
92) Benzo(a,h,i)perylene	16.71	276	296105	7.330	ng	98

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

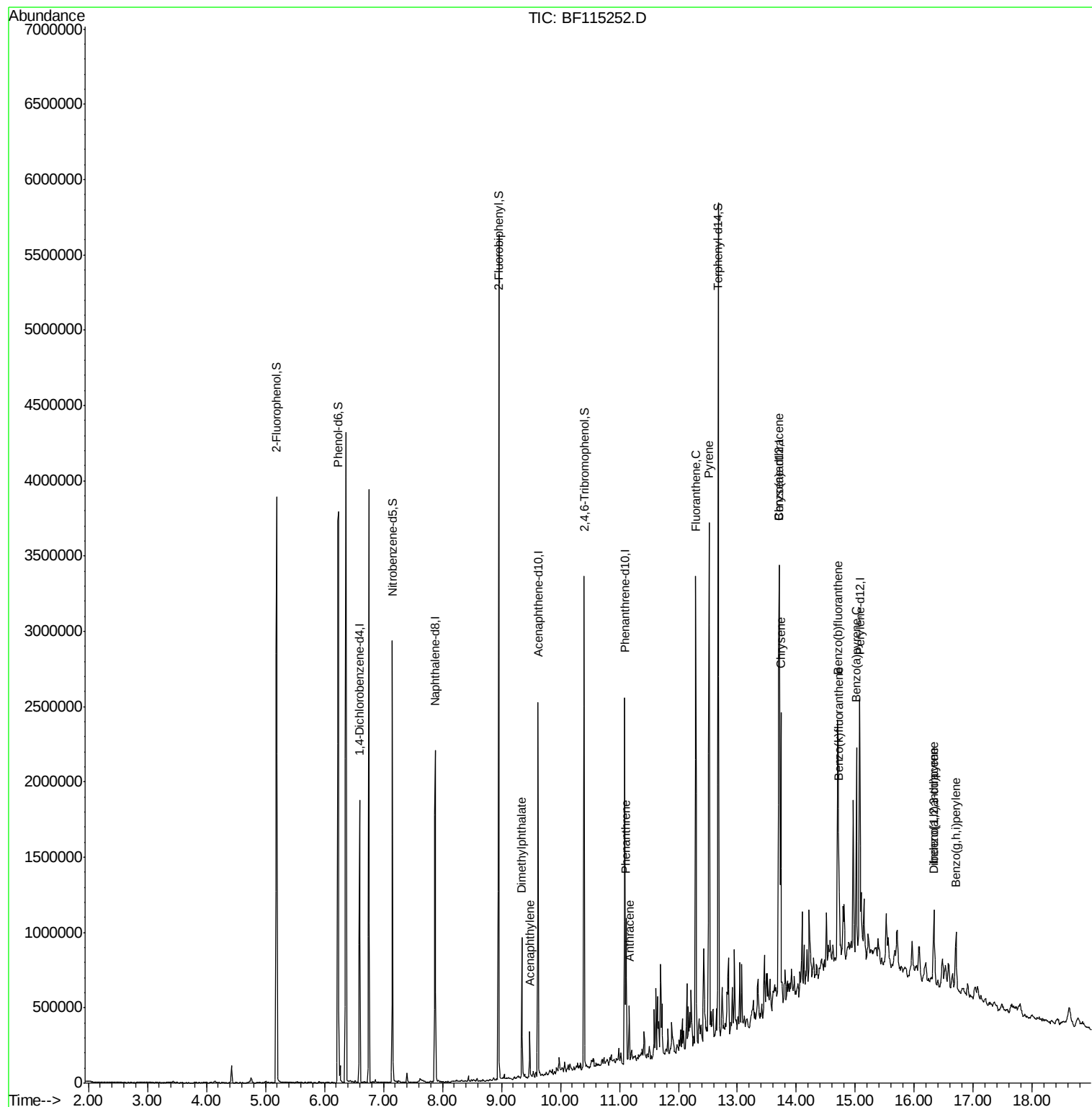
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115252.D
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Operator : HP/JU
Sample : K3509-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

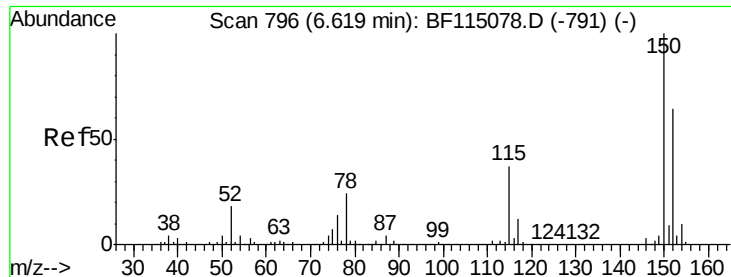
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
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#1

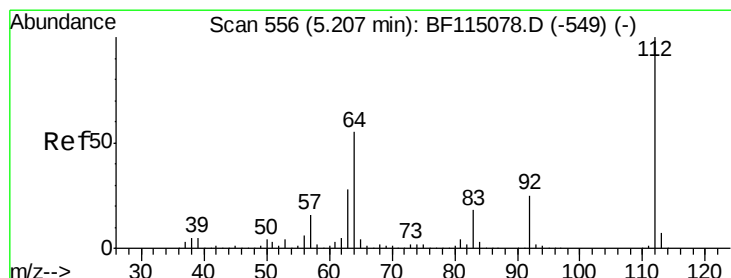
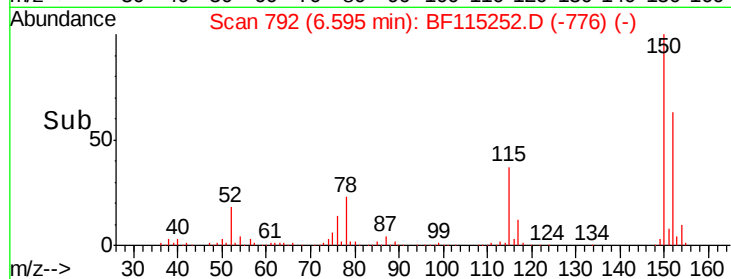
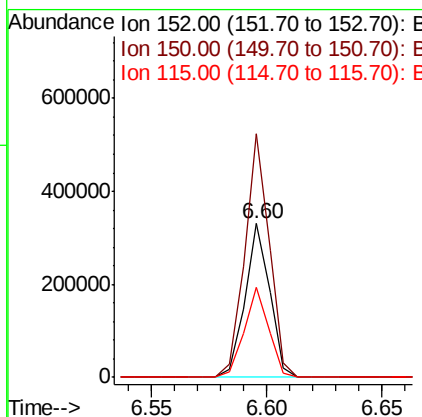
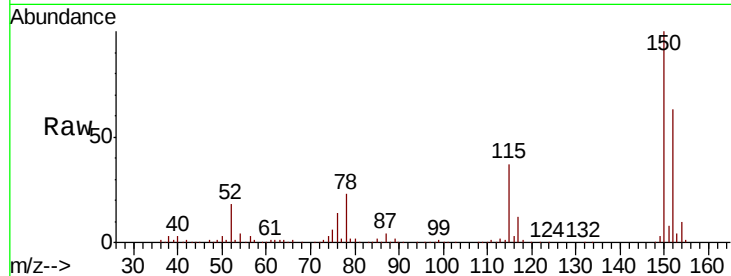
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.60 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF115252.D
 Acq: 27 Jun 2019 23:34

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-062619-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.2	186.2
115	59.0	46.1	69.1

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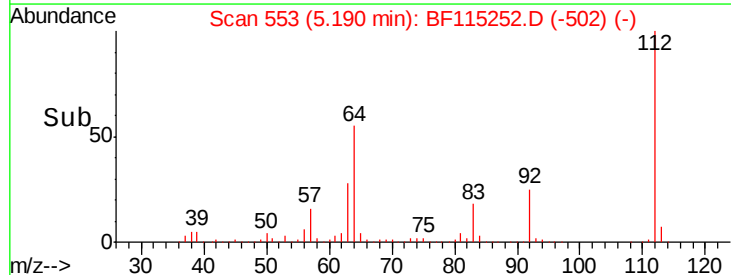
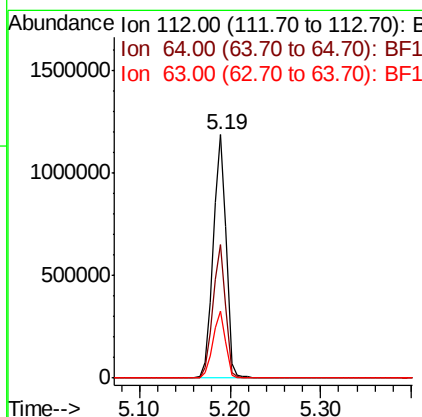
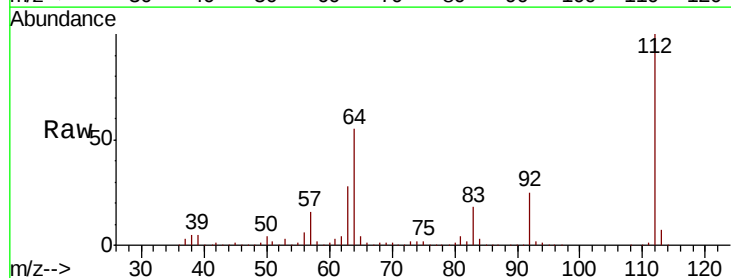
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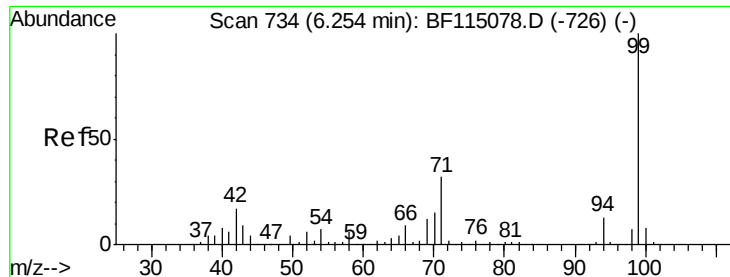


#5

2-Fluorophenol
 Concen: 74.159 ng
 RT: 5.19 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: BF115252.D
 Acq: 27 Jun 2019 23:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	43.8	65.6
63	27.7	22.2	33.4





#7

Phenol-d6

Concen: 77.131 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115252.D

Acq: 27 Jun 2019 23:34

Instrument :

BNA_F

ClientSampleId :

SA-06-062619-A

Tot Ion: 99 Resp: 1499471

Ion Ratio Lower Upper

99 100

42 15.6 13.6 20.4

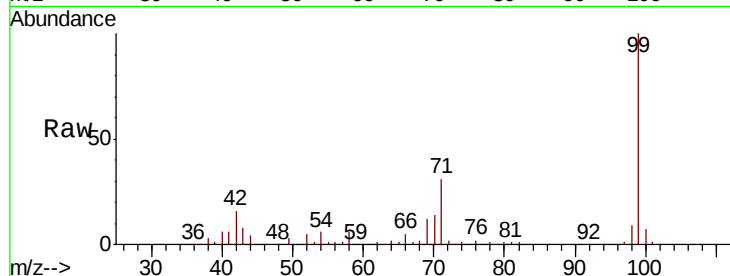
71 30.9 25.5 38.3

Manual Integrations

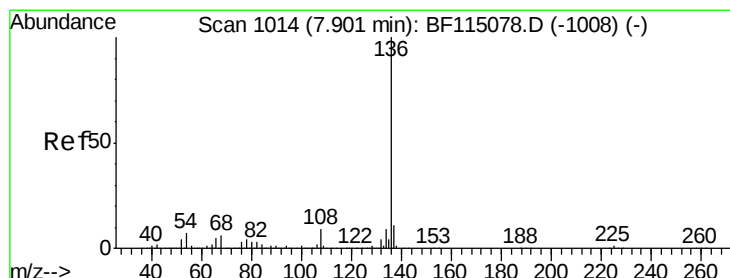
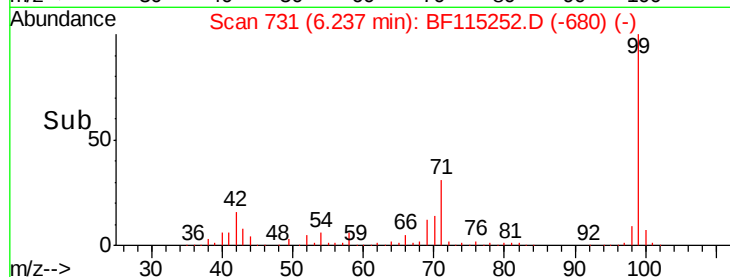
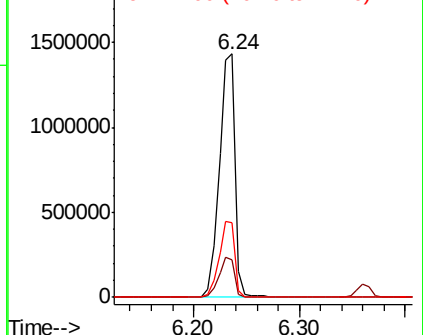
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.88 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF115252.D

Acq: 27 Jun 2019 23:34

Tgt Ion: 136 Resp: 935424

Ion Ratio Lower Upper

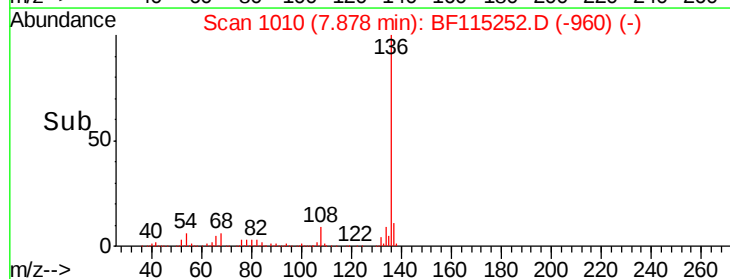
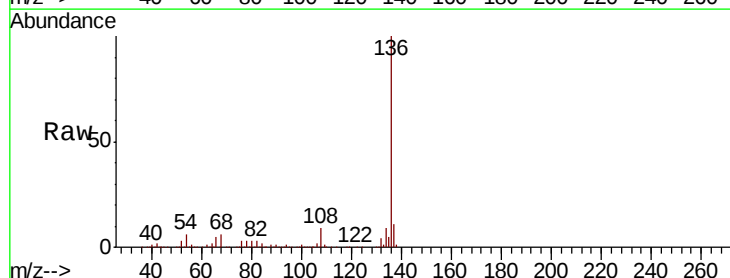
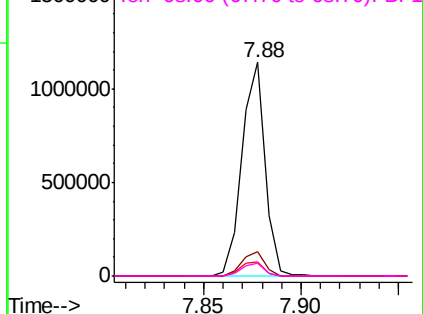
136 100

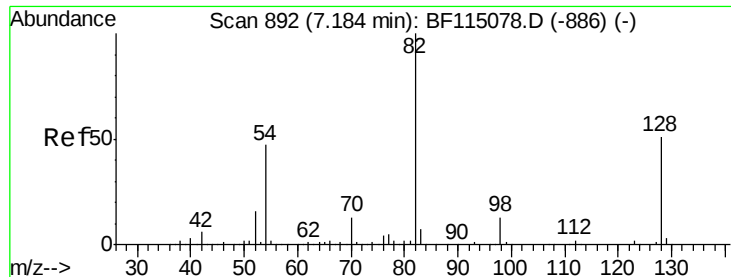
137 11.2 8.9 13.3

54 6.4 5.6 8.4

68 5.7 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





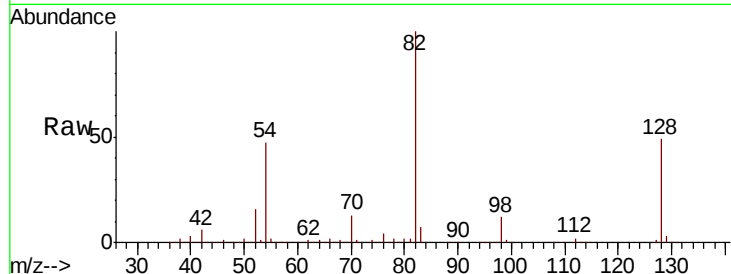
#23
 Nitrobenzene-d5
 Concen: 58.251 ng
 RT: 7.15 min Scan# 887
 Delta R.T. -0.01 min
 Lab File: BF115252.D
 Acq: 27 Jun 2019 23:34

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-062619-A

Tot Ion	Ratio	Resp	Lower	Upper
82	100	885781		
128	48.9		40.4	60.6
54	47.1		37.5	56.3

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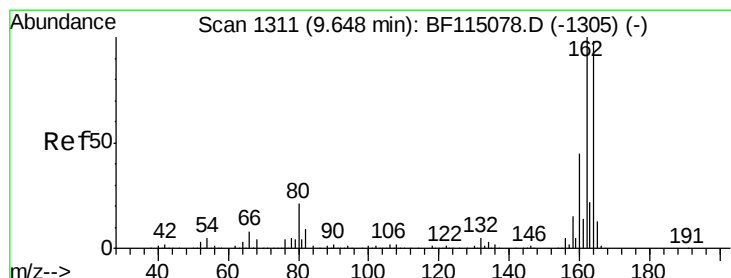
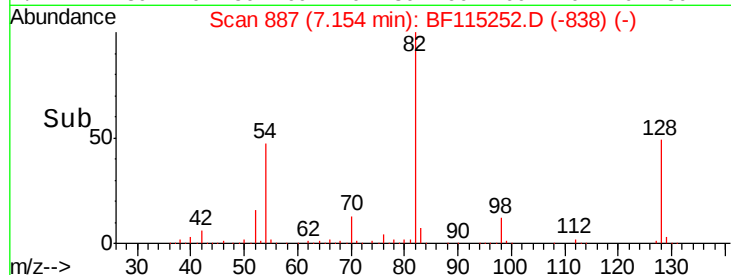
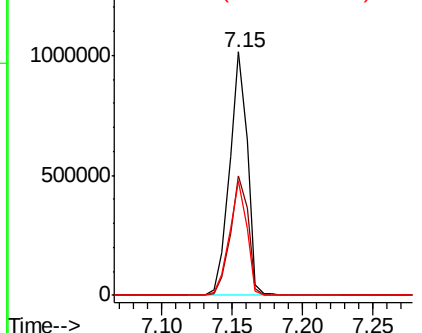


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.62 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: BF115252.D
 Acq: 27 Jun 2019 23:34

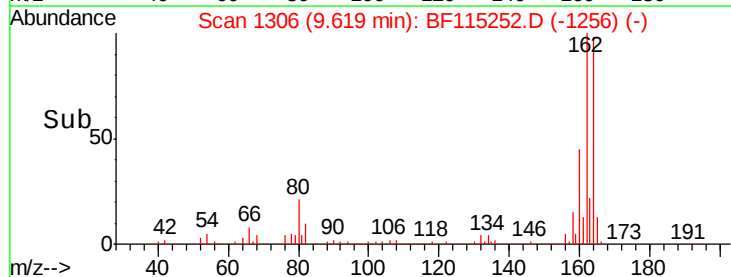
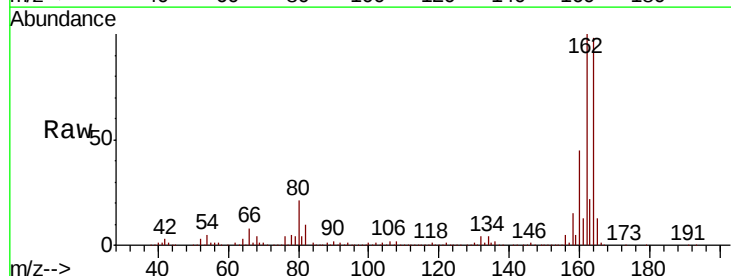
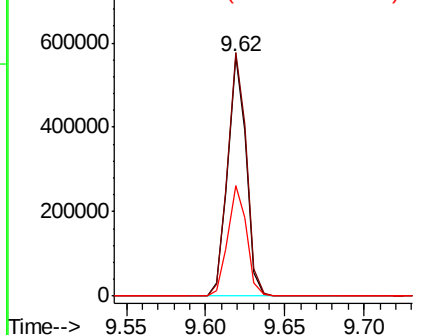
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	459124		
162	101.6		81.7	122.5
160	46.1		37.0	55.4

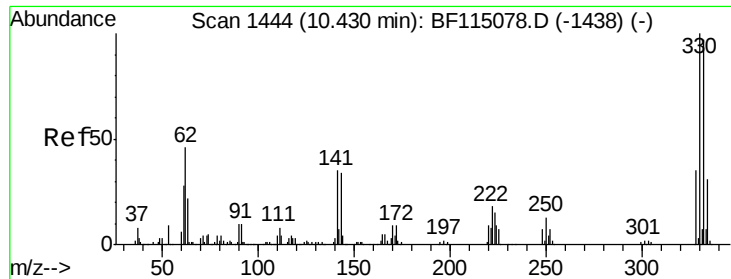
Abundance

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





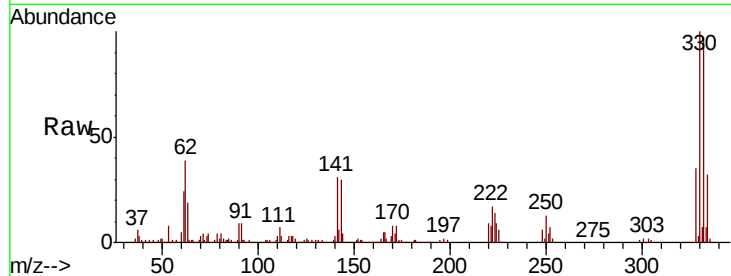
#42
 2,4,6-Tribromophenol
 Concen: 78.030 ng
 RT: 10.40 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF115252.D
 Acq: 27 Jun 2019 23:34

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-062619-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	377791		
332	97.6	77.3	115.9	
141	33.5	28.2	42.2	

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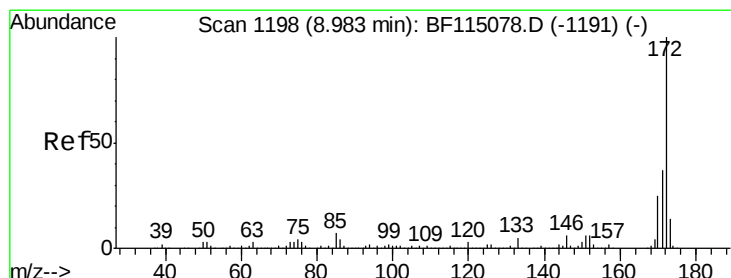
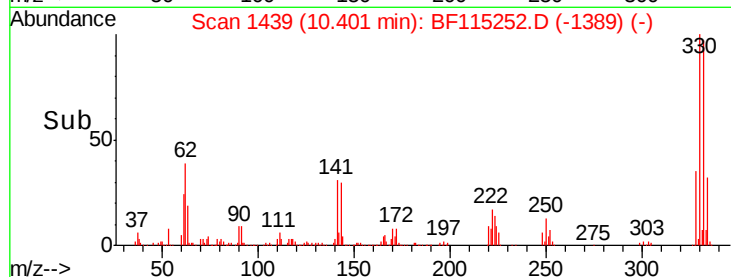
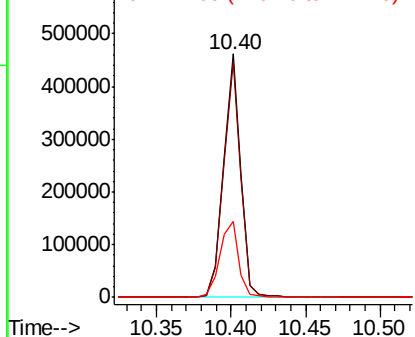


Abundance

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: 60.097 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF115252.D
 Acq: 27 Jun 2019 23:34

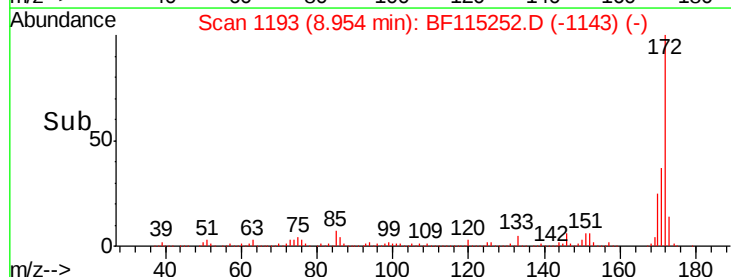
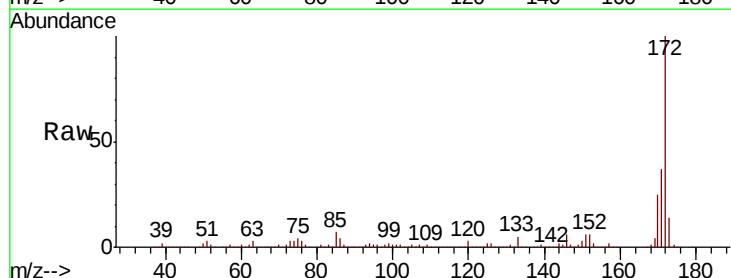
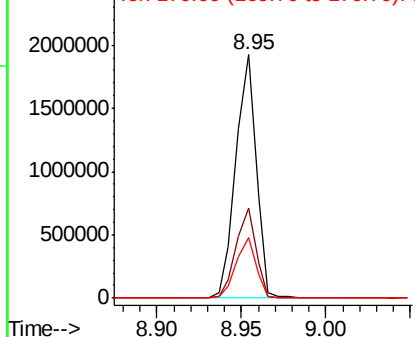
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1624370		
171	37.1	29.8	44.6	
170	24.9	20.3	30.5	

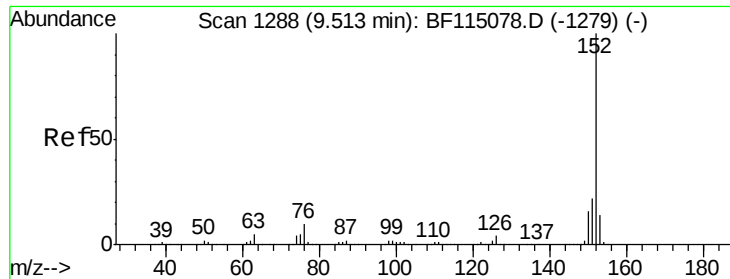
Abundance

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





#49

Acenaphthylene

Concen: 2.724 ng

RT: 9.48 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF115252.D

Acq: 27 Jun 2019 23:34

Instrument :

BNA_F

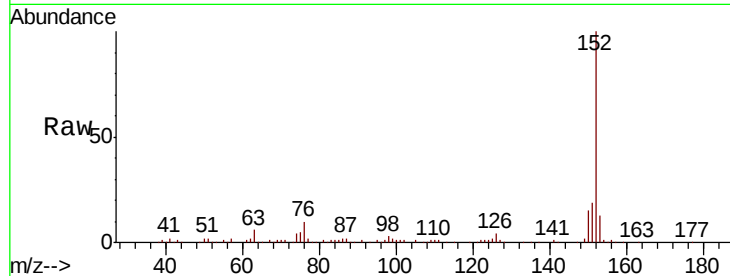
ClientSampleId :

SA-06-062619-A

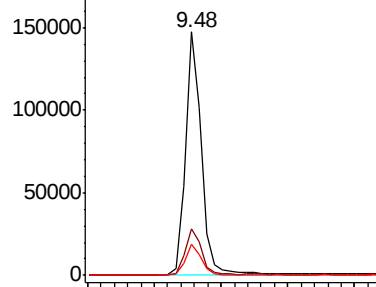
Tot Ion:	152	Resp:	126462
Ion Ratio	Lower	Upper	
152	100		
151	19.0	17.2	25.8
153	12.7	11.0	16.6

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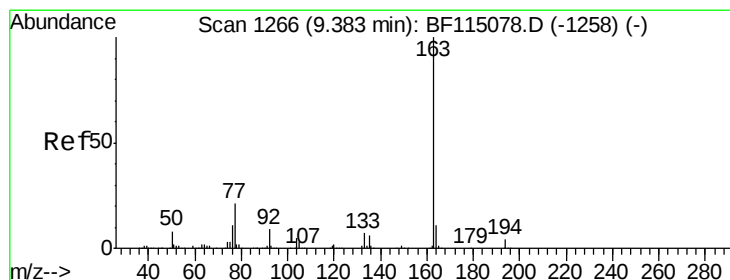
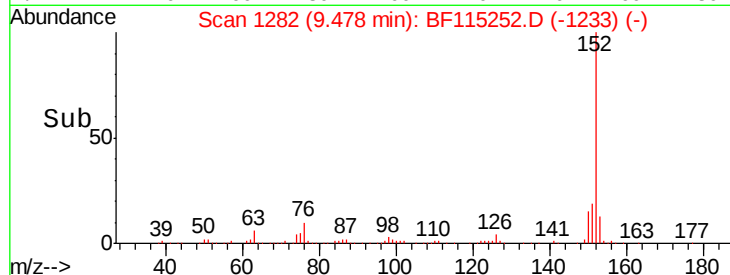
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Abundance Ion 152.00 (151.70 to 152.70): E
200000
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time--> 9.40 9.45 9.50 9.55 9.60



#50

Dimethylphthalate

Concen: 10.165 ng

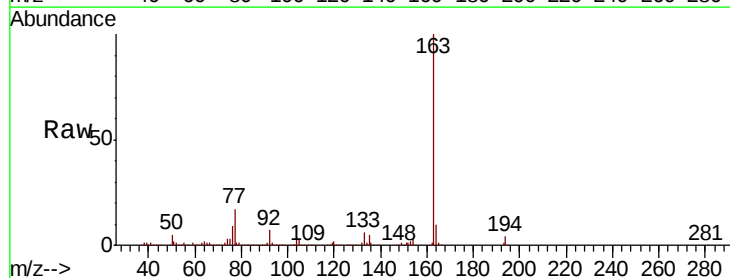
RT: 9.35 min Scan# 1260

Delta R.T. -0.01 min

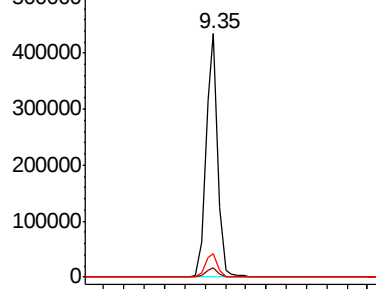
Lab File: BF115252.D

Acq: 27 Jun 2019 23:34

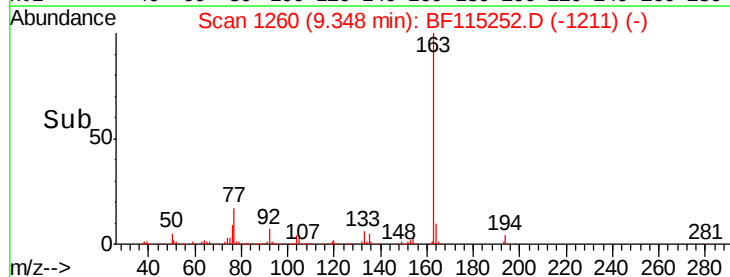
Tgt Ion:	163	Resp:	343360
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.2	4.8
164	9.7	8.6	13.0

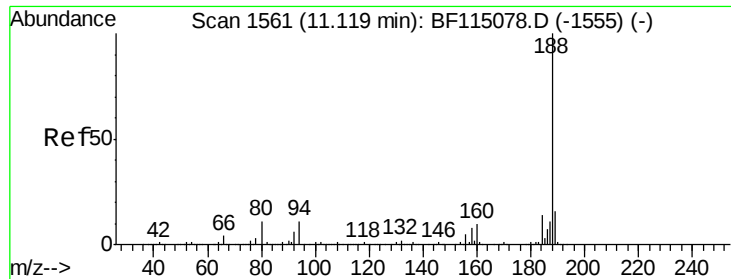


Abundance Ion 163.00 (162.70 to 163.70): E
600000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



Time--> 9.30 9.40





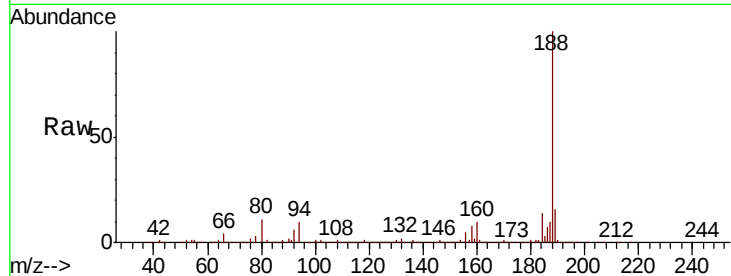
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.09 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF115252.D
Acq: 27 Jun 2019 23:34

Instrument :
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ClientSampleId :
SA-06-062619-A

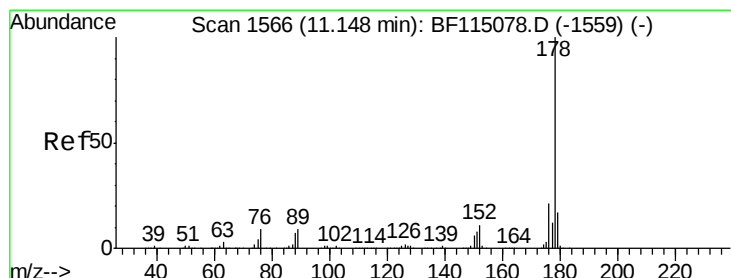
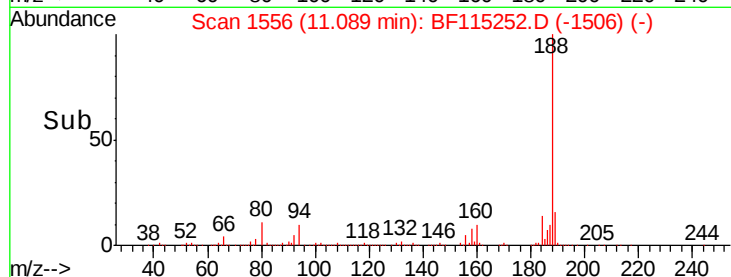
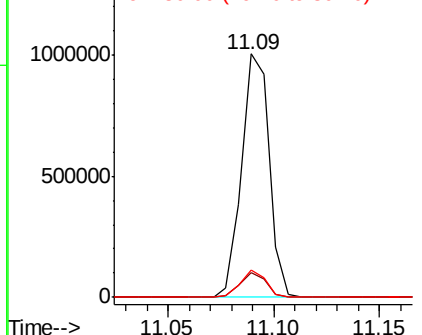
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.3	8.6	12.8
80	11.0	8.8	13.2

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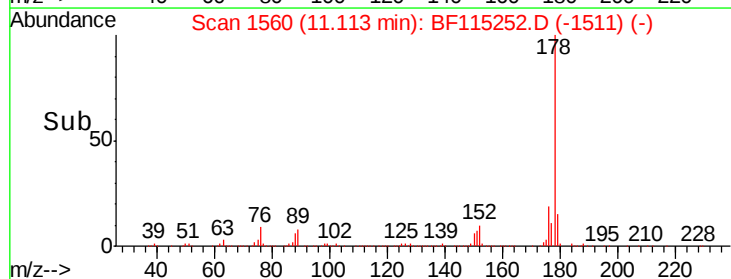
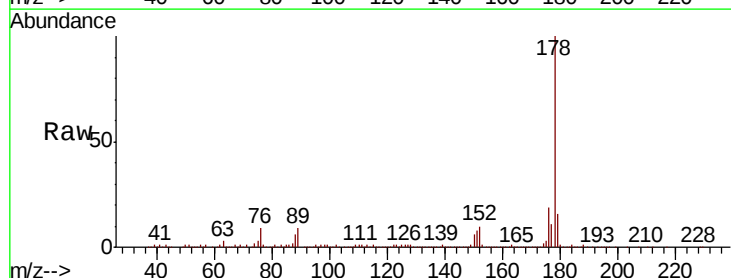
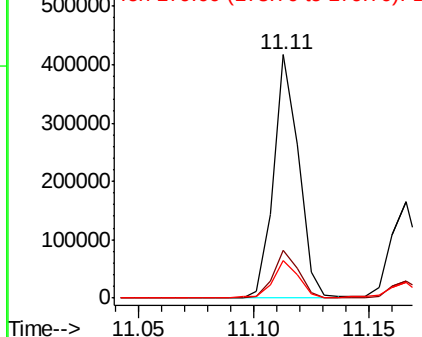
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

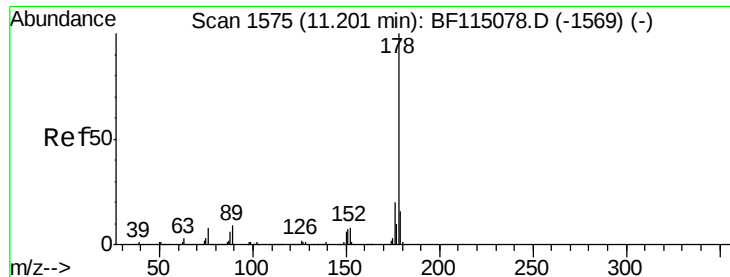


#71
Phenanthrene
Concen: 6.380 ng
RT: 11.11 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF115252.D
Acq: 27 Jun 2019 23:34

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	16.9	25.3
179	15.6	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: 2.707 ng

RT: 11.17 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF115252.D

Acq: 27 Jun 2019 23:34

Instrument :

BNA_F

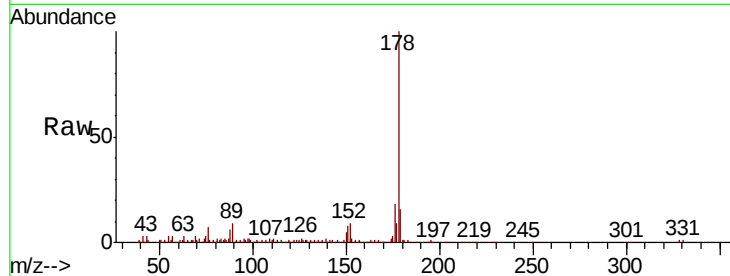
ClientSampleId :

SA-06-062619-A

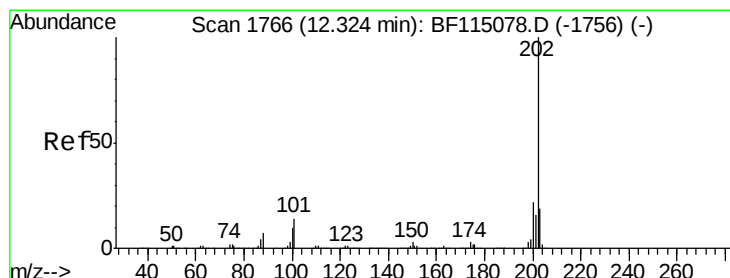
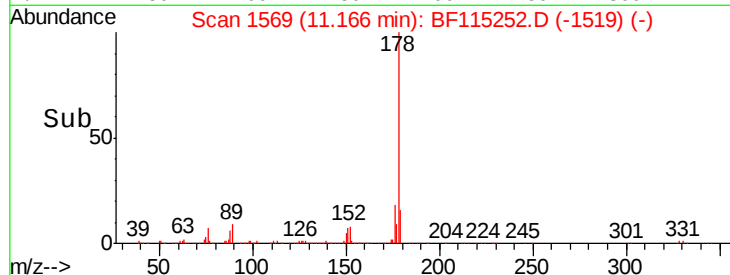
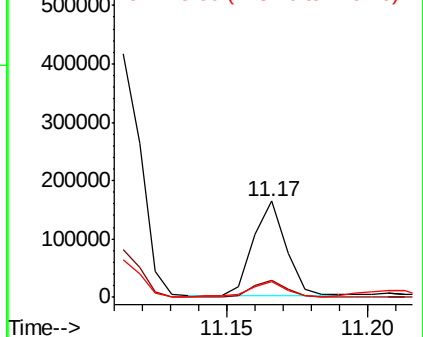
Tot Ion:	178	Resp:	133702
Ion Ratio	Lower	Upper	
178	100		
176	18.2	16.1	24.1
179	16.2	12.9	19.3

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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: 23.664 ng

RT: 12.30 min Scan# 1761

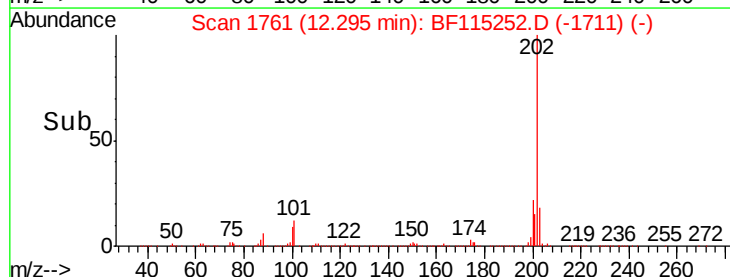
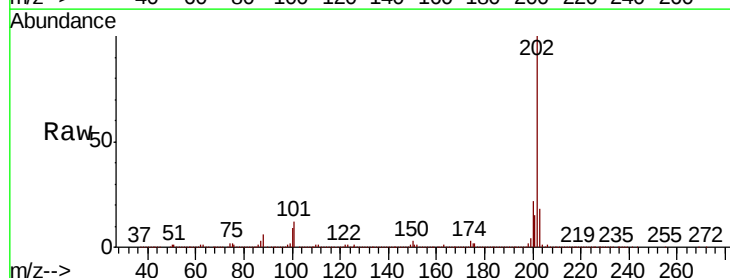
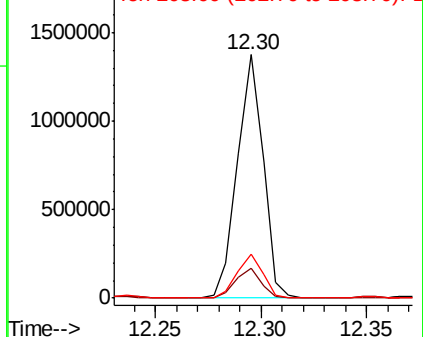
Delta R.T. -0.01 min

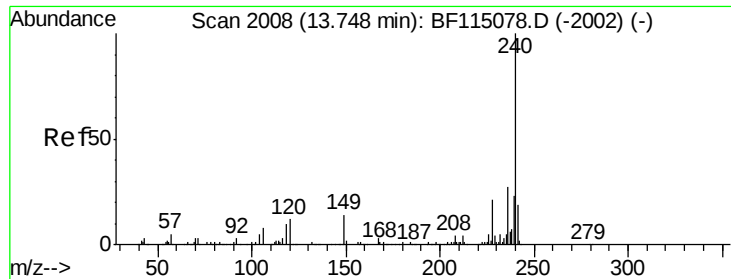
Lab File: BF115252.D

Acq: 27 Jun 2019 23:34

Tgt Ion:	202	Resp:	1155294
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	34.0
203	18.3	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





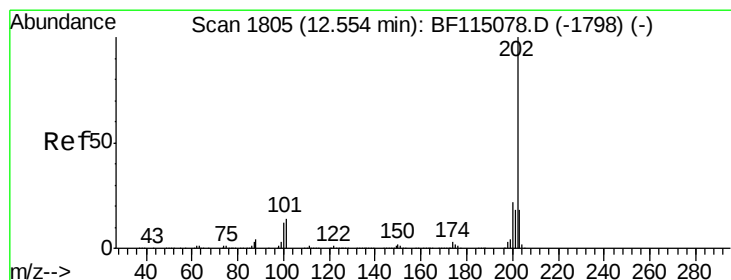
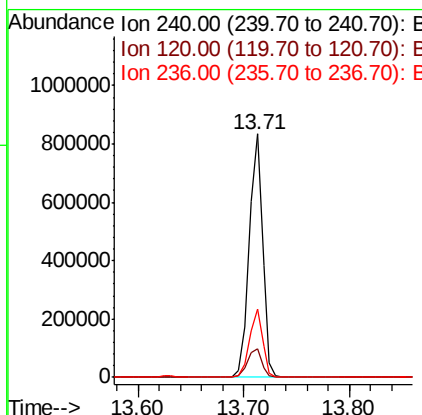
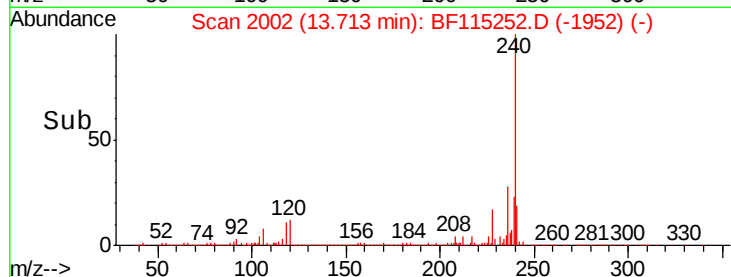
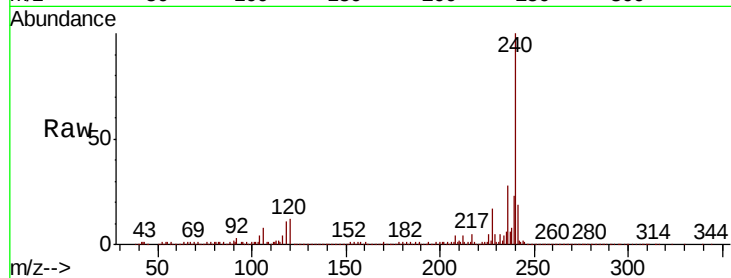
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.71 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF115252.D
Acq: 27 Jun 2019 23:34

Instrument :
BNA_F
ClientSampleId :
SA-06-062619-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.4	14.2
236	27.8	21.7	32.5

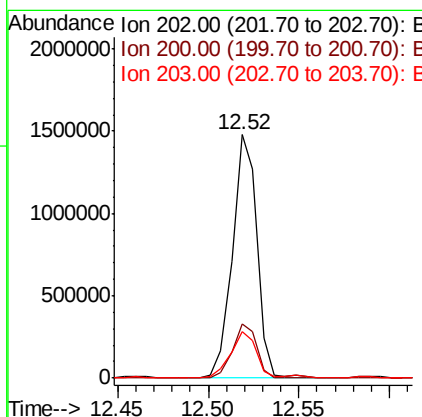
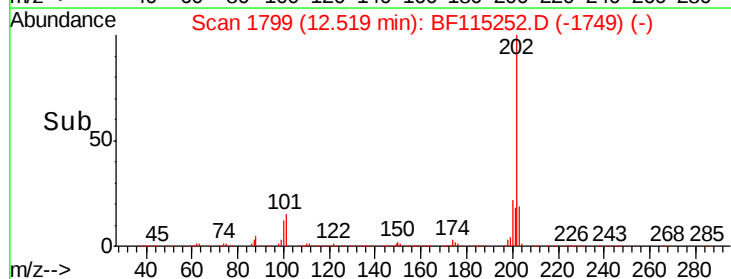
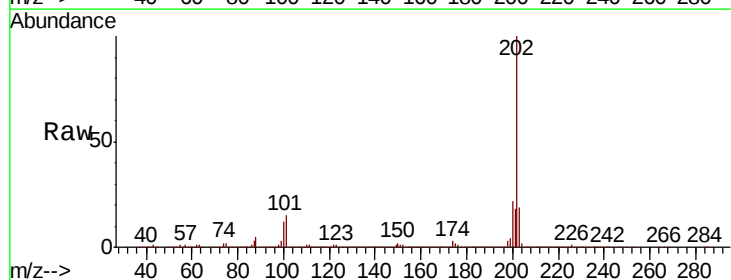
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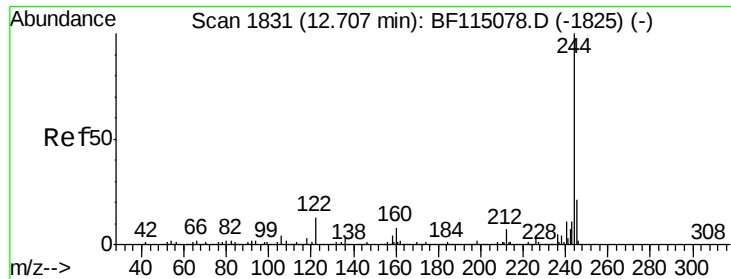
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#78
Pyrene
Concen: 24.319 ng
RT: 12.52 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF115252.D
Acq: 27 Jun 2019 23:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.9	26.9
203	18.9	14.6	21.8





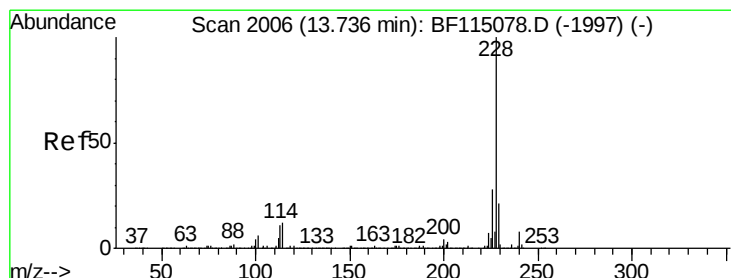
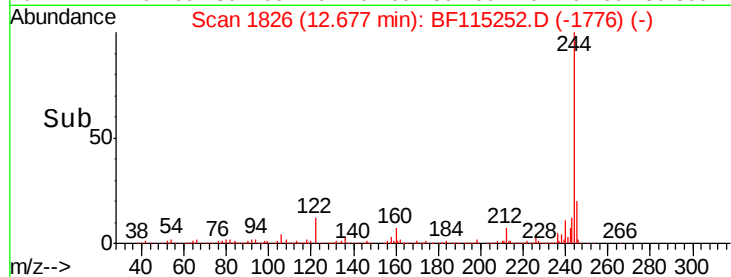
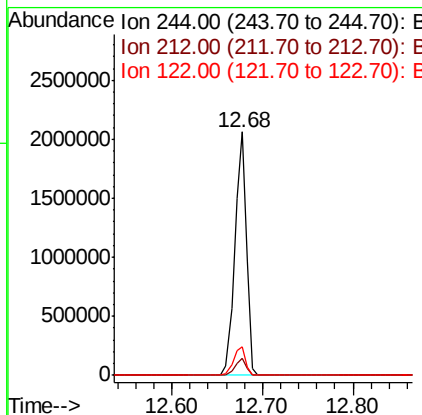
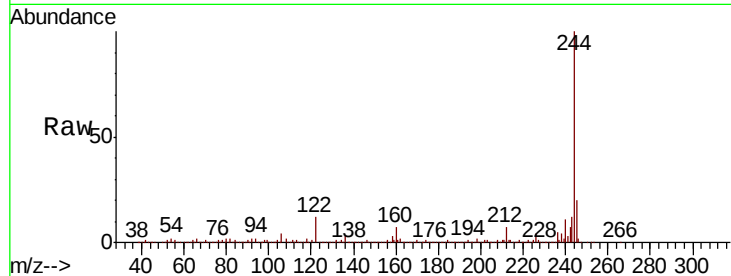
#79
 Terphenyl-d14
 Concen: 53.592 ng
 RT: 12.68 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF115252.D
 Acq: 27 Jun 2019 23:34

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-062619-A

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

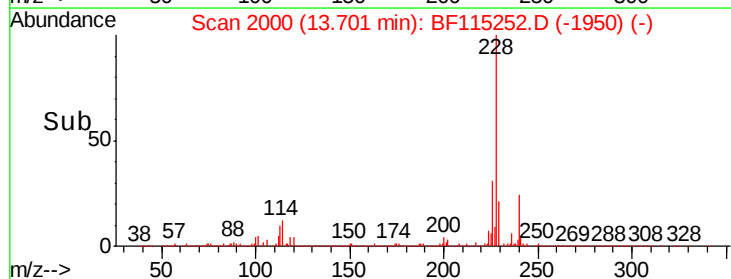
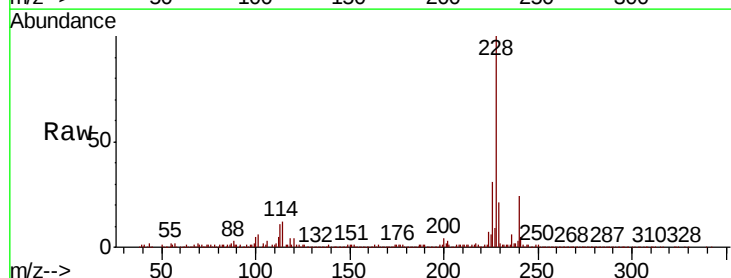
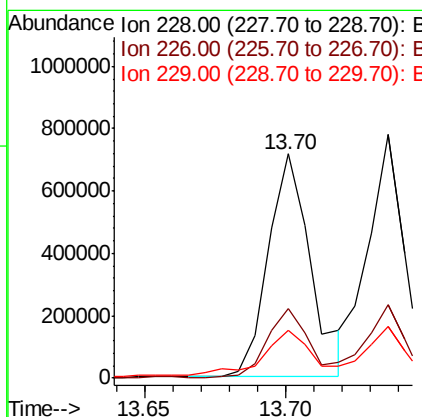
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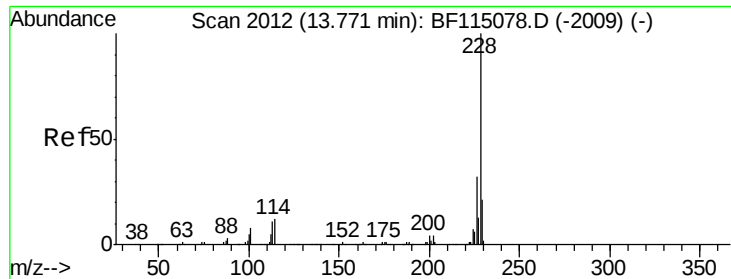
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#81
 Benzo(a)anthracene
 Concen: 14.164 ng
 RT: 13.70 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF115252.D
 Acq: 27 Jun 2019 23:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.5	33.7
229	21.4	16.6	24.8





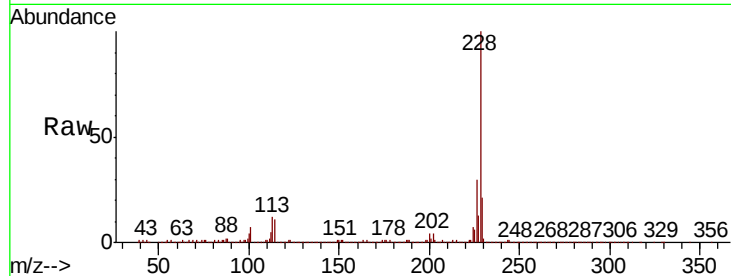
#83
Chrysene
Concen: 14.019 ng
RT: 13.74 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF115252.D
Acq: 27 Jun 2019 23:34

Instrument :
BNA_F
ClientSampled :
SA-06-062619-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.0
229	21.4	16.5	24.7

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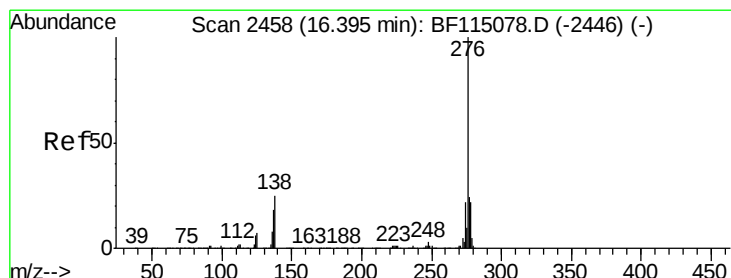
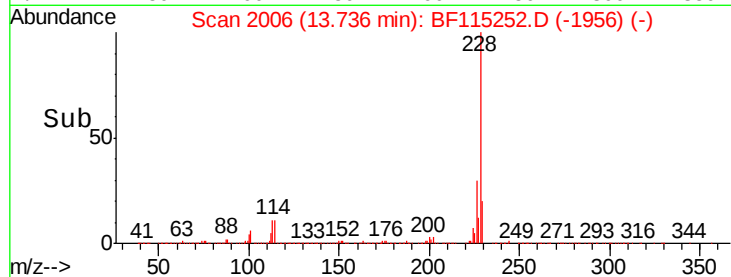
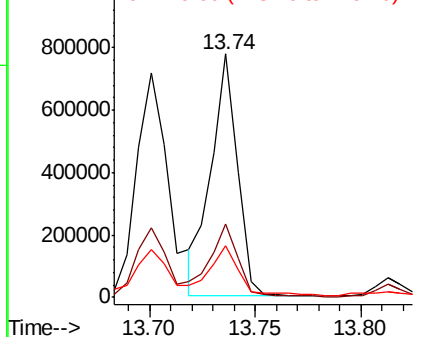


Abundance

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: 5.510 ng
RT: 16.33 min Scan# 2447
Delta R.T. -0.02 min
Lab File: BF115252.D
Acq: 27 Jun 2019 23:34

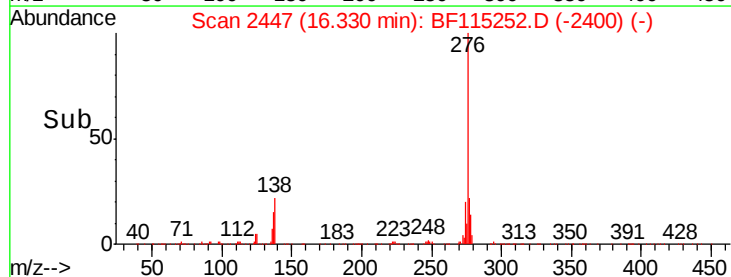
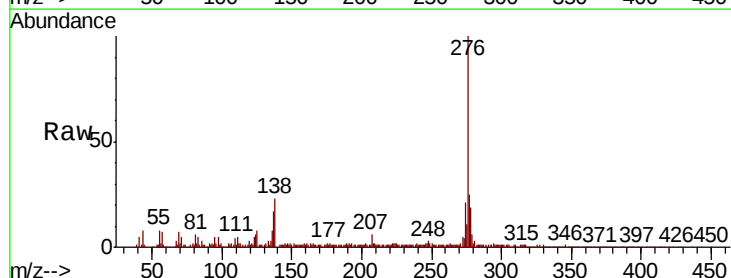
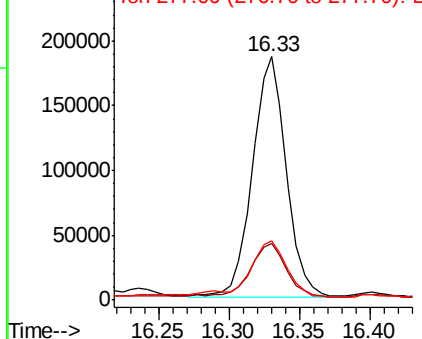
Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.0	23.2	34.8
277	27.8	20.1	30.1

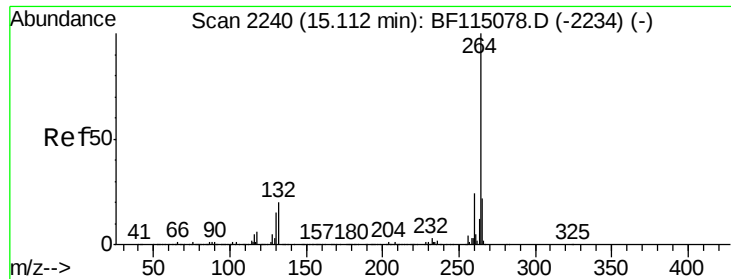
Abundance

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





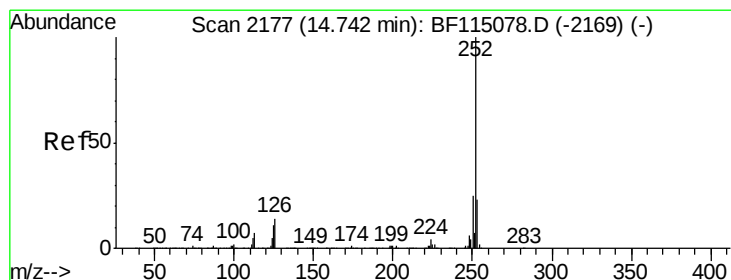
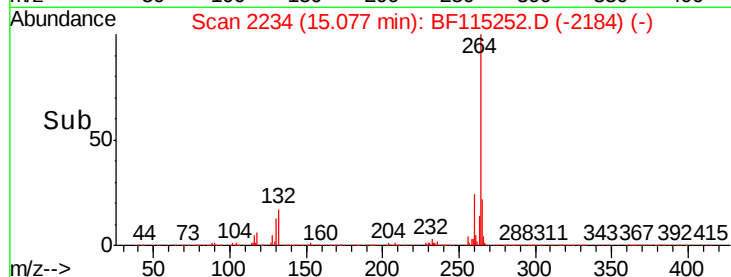
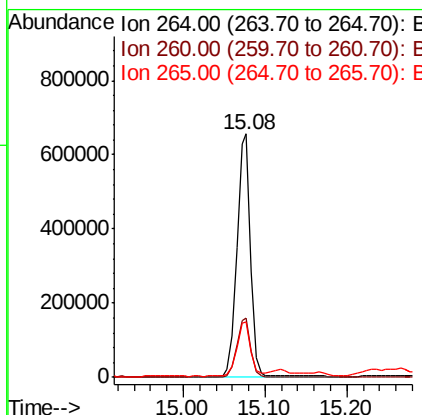
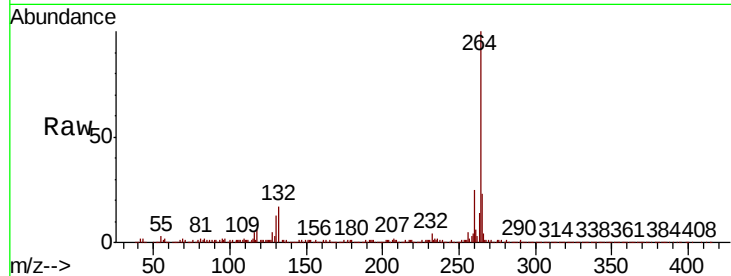
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.08 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF115252.D
Acq: 27 Jun 2019 23:34

Instrument :
BNA_F
ClientSampleId :
SA-06-062619-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	22.5	17.3	25.9

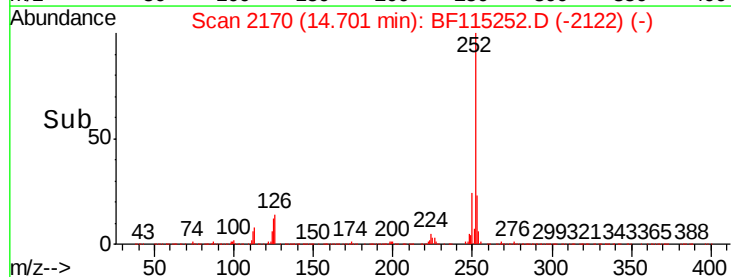
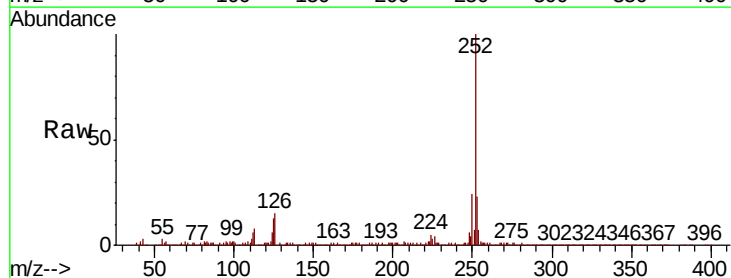
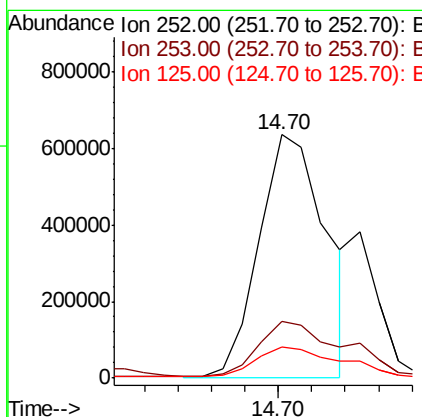
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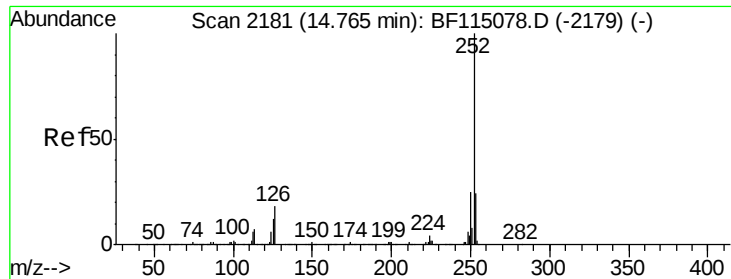
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#88
Benzo(b)fluoranthene
Concen: 18.876 ng m
RT: 14.70 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF115252.D
Acq: 27 Jun 2019 23:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	12.9	8.7	13.1





#89

Benzo(k)fluoranthene

Concen: 5.279 ng/mL

RT: 14.72 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BF115252.D

Acq: 27 Jun 2019 23:34

Instrument :

BNA_F

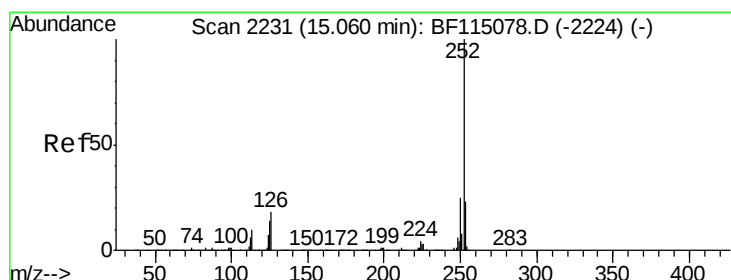
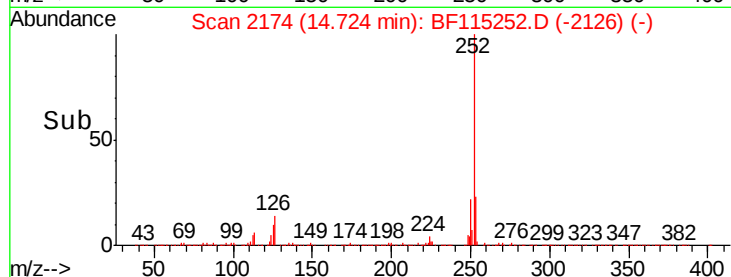
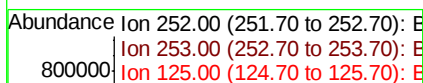
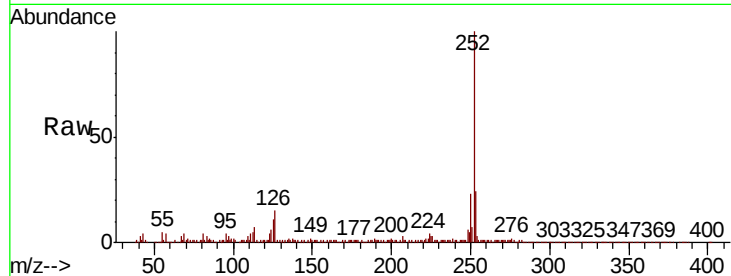
ClientSampleId :

SA-06-062619-A

Tot Ion:	252	Resp:	224541
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.9	28.3
125	11.4	10.2	15.2

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#90

Benzo(a)pyrene

Concen: 14.364 ng/mL

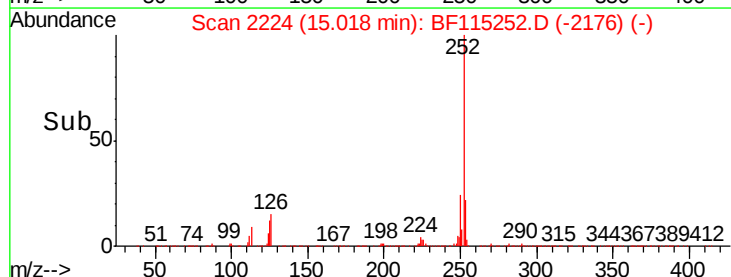
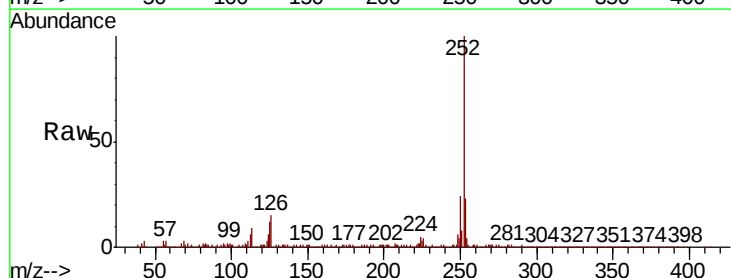
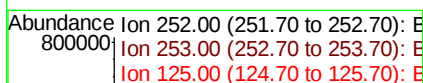
RT: 15.02 min Scan# 2224

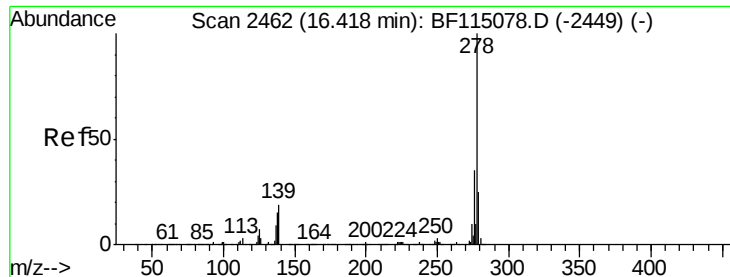
Delta R.T. -0.02 min

Lab File: BF115252.D

Acq: 27 Jun 2019 23:34

Tgt Ion:	252	Resp:	614112
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.3	27.5
125	12.1	10.9	16.3





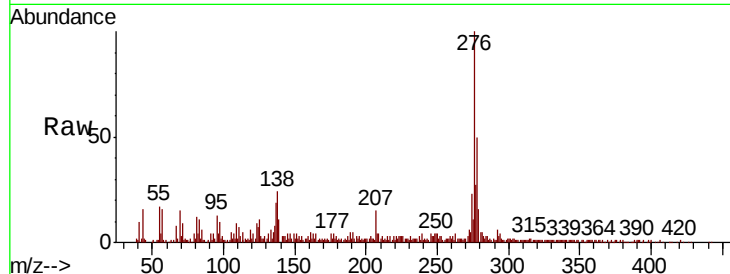
#91
Dibenzo(a,h)anthracene
Concen: 2.116 ng
RT: 16.34 min Scan# 2449
Delta R.T. -0.03 min
Lab File: BF115252.D
Acq: 27 Jun 2019 23:34

Instrument :
BNA_F
ClientSampleId :
SA-06-062619-A

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.6	15.4	23.2
279	32.0	19.9	29.9

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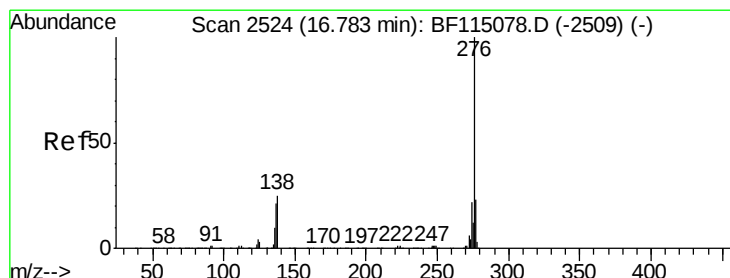
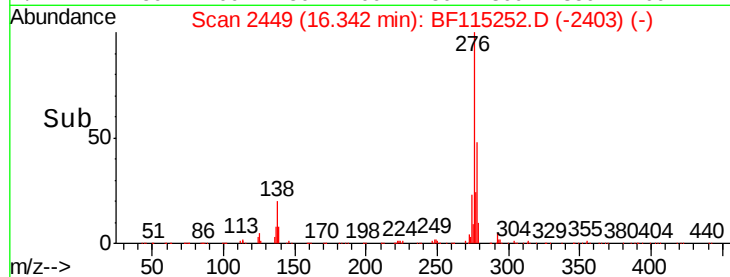
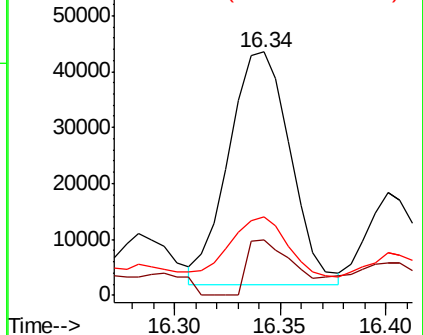


Abundance

Ion 278.00 (277.70 to 278.70): E

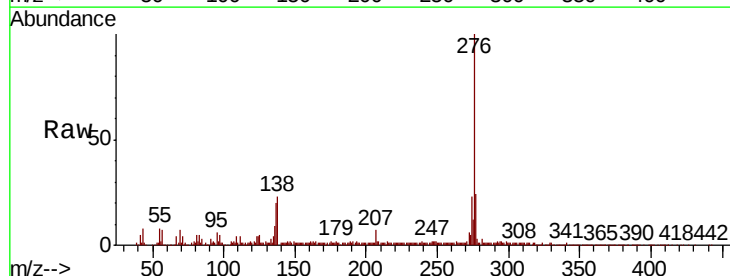
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 7.330 ng
RT: 16.71 min Scan# 2511
Delta R.T. -0.03 min
Lab File: BF115252.D
Acq: 27 Jun 2019 23:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	23.4	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

