

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
 Data File : BF115261.D
 Acq On : 28 Jun 2019 3:34
 Operator : HP/JU
 Sample : K3159-09 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

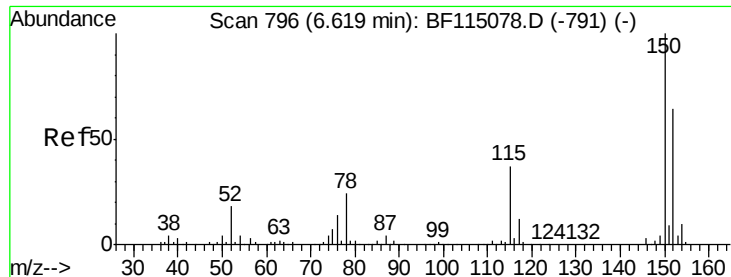
Manual Integrations
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 6/28/2019 2:59:06 PM

Quant Time: Jun 28 07:53:49 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	225787	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	877061	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	446937	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	872345	20.00	ng	0.00
76) Chrysene-d12	13.72	240	639108	20.00	ng	0.00
87) Perylene-d12	15.08	264	496050	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	689634	47.13	ng	0.00
7) Phenol-d6	6.24	99	866184	48.77	ng	0.00
23) Nitrobenzene-d5	7.16	82	488778	34.28	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	251645	53.39	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	1024586	38.94	ng	0.00
79) Terphenyl-d14	12.68	244	1204738	40.08	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.35	163	222040	6.753	ng	99
52) Acenaphthene	9.66	154	87253	3.085	ng	97
71) Phenanthrene	11.12	178	1093433	23.280	ng	98
72) Anthracene	11.17	178	389821	8.222	ng	99
75) Fluoranthene	12.31	202	1706992	36.426	ng	98
78) Pyrene	12.53	202	1552297	31.605	ng	99
81) Benzo(a)anthracene	13.71	228	809931	17.662	ng	98
83) Chrysene	13.75	228	705589	16.797	ng	97
86) Indeno(1,2,3-cd)pyrene	16.35	276	263456	5.300	ng	93
88) Benzo(b)fluoranthene	14.71	252	802832m	25.938	ng	
89) Benzo(k)fluoranthene	14.74	252	169546m	6.108	ng	
90) Benzo(a)pyrene	15.03	252	484147	17.354	ng	98
91) Dibenzo(a,h)anthracene	16.36	278	65974	2.533	ng	# 84
92) Benzo(a,h,i)perylene	16.72	276	231488	8.782	ng	97

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



#1

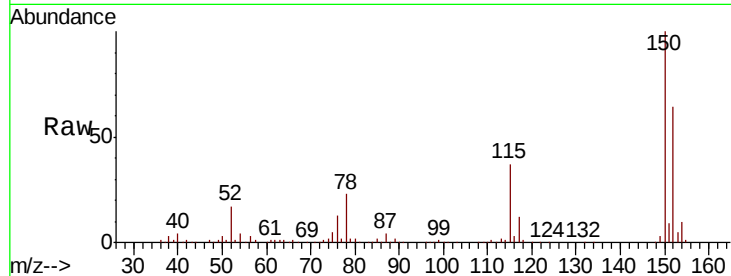
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF115261.D
Acq: 28 Jun 2019 3:34

Instrument :
BNA_F
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OR-03-062619-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.2	186.2
115	57.2	46.1	69.1

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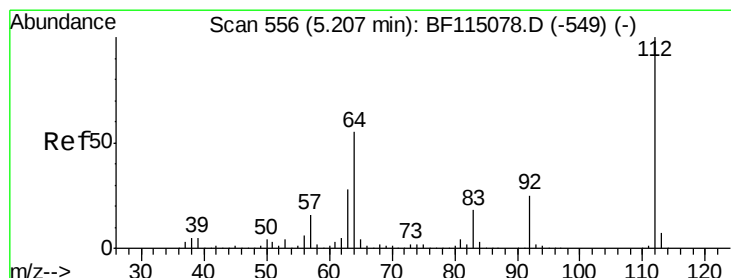
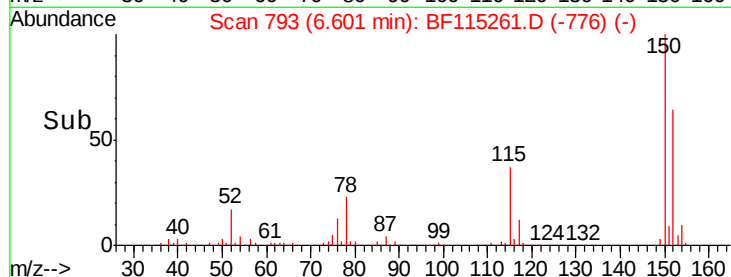
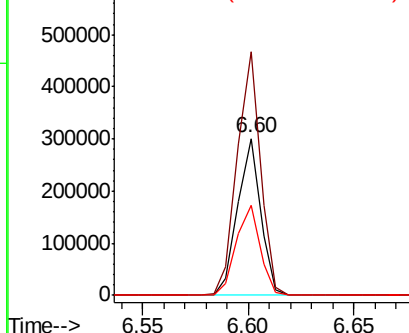


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

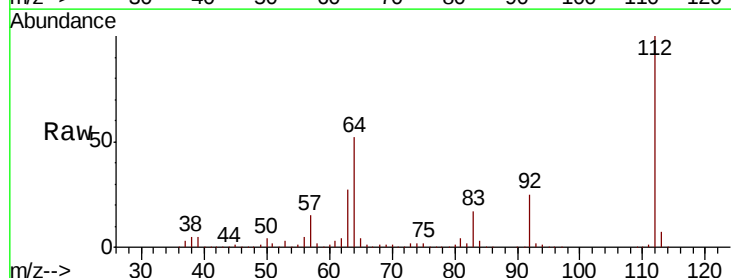
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.134 ng
RT: 5.19 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF115261.D
Acq: 28 Jun 2019 3:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	43.8	65.6
63	26.8	22.2	33.4

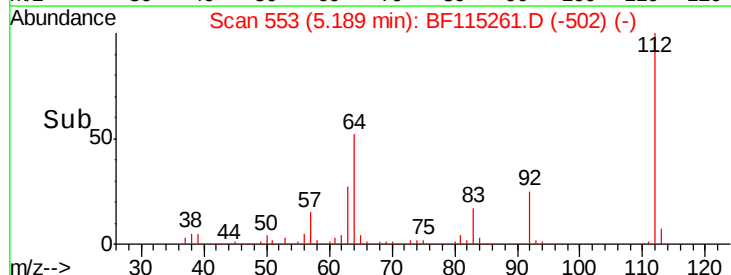
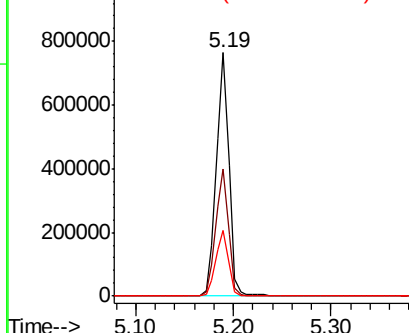


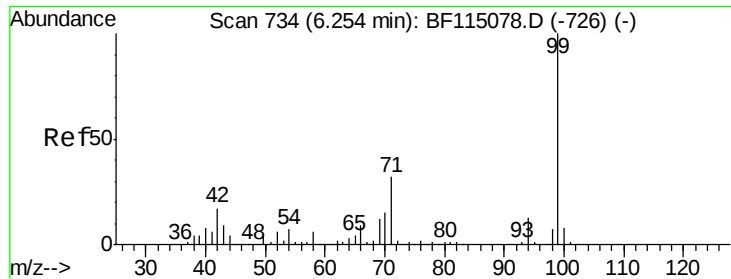
Abundance

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: 48.775 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115261.D

Acq: 28 Jun 2019 3:34

Instrument :

BNA_F

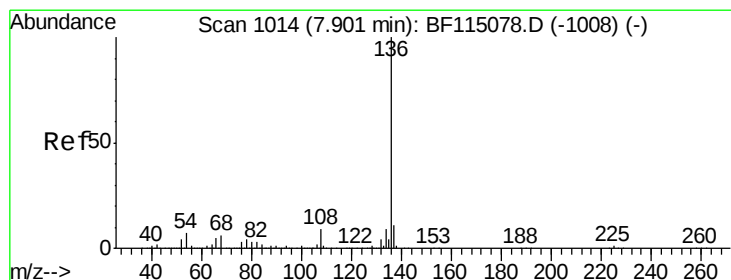
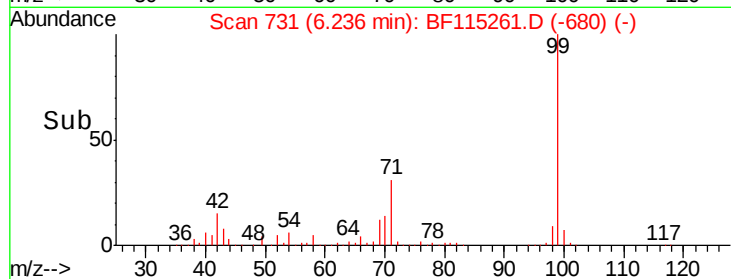
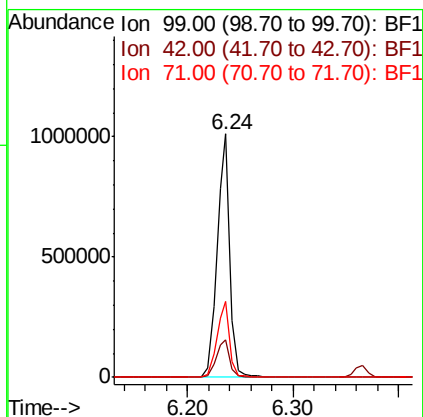
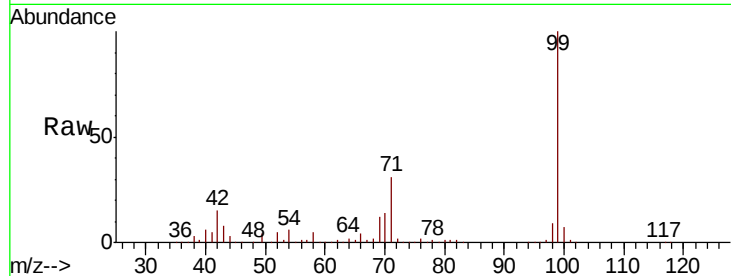
ClientSampleId :

OR-03-062619-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		866184		
42	15.3	13.6	20.4		
71	31.1	25.5	38.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

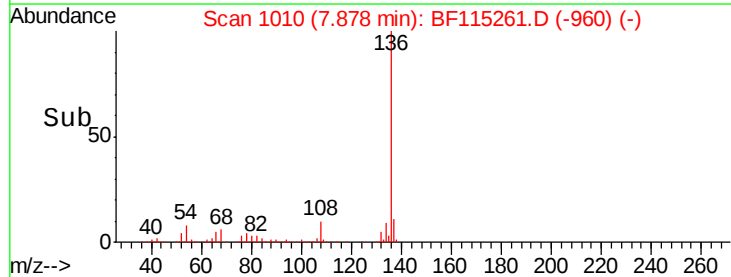
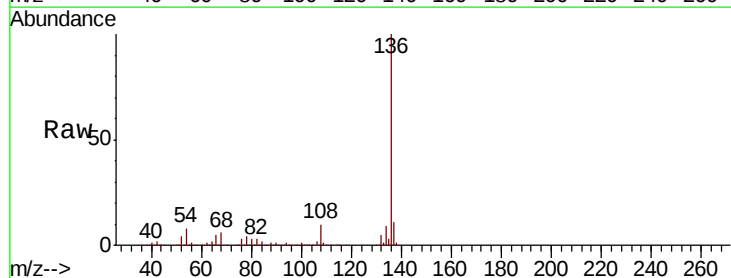
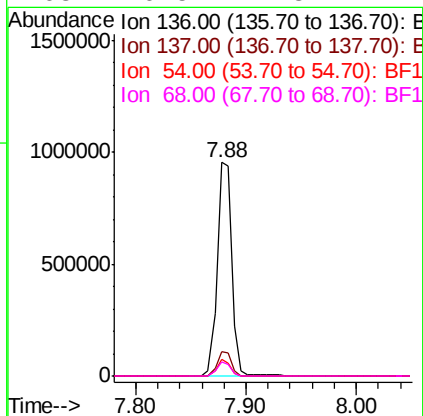
RT: 7.88 min Scan# 1010

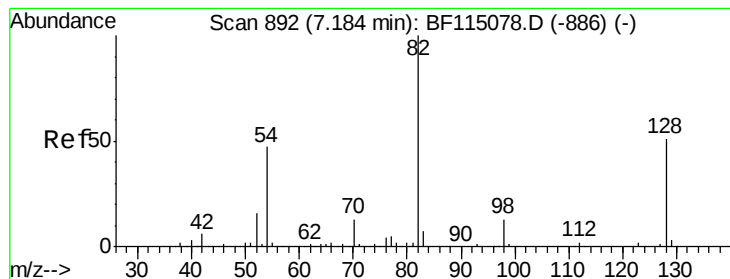
Delta R.T. -0.01 min

Lab File: BF115261.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		877061		
137	11.5	8.9	13.3		
54	7.6	5.6	8.4		
68	6.5	4.8	7.2		





#23

Nitrobenzene-d5

Concen: 34.282 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF115261.D

Acq: 28 Jun 2019 3:34

Instrument :

BNA_F

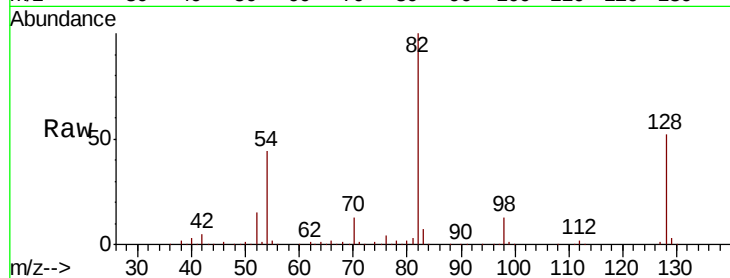
ClientSampleId :

OR-03-062619-A

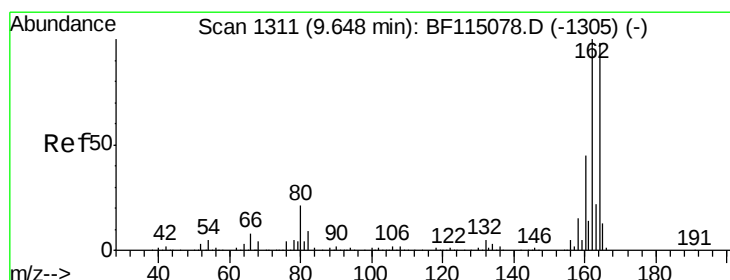
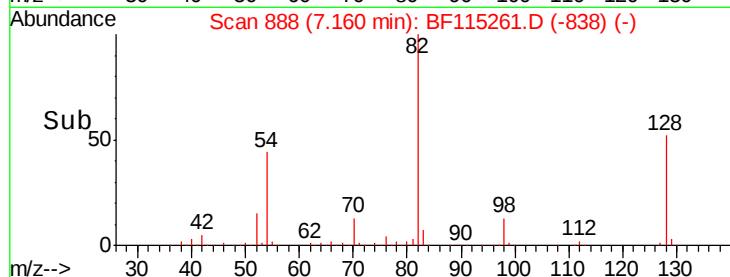
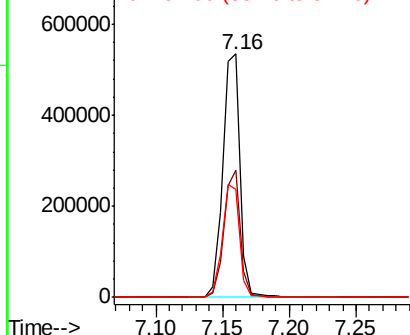
Tot Ion:	82	Resp:	488778
Ion Ratio	Lower	Upper	
82	100		
128	52.3	40.4	60.6
54	44.2	37.5	56.3

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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

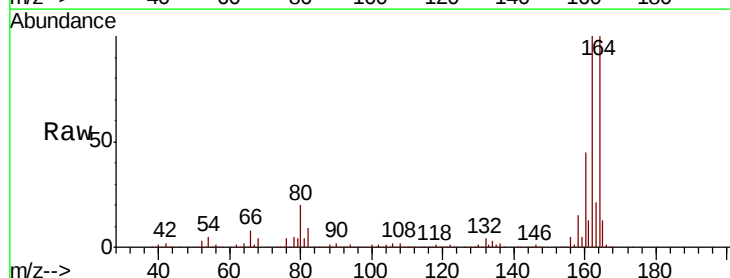
RT: 9.62 min Scan# 1307

Delta R.T. 0.00 min

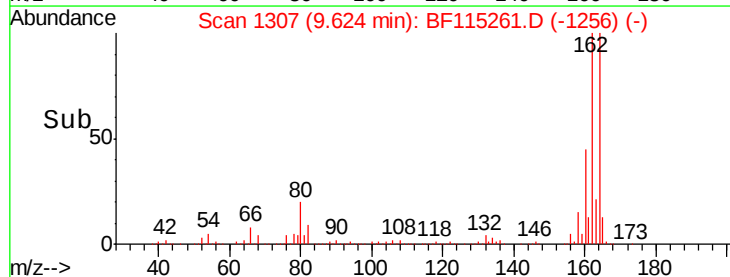
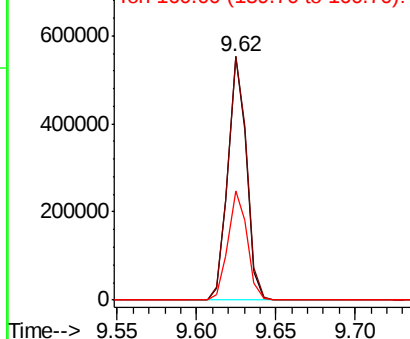
Lab File: BF115261.D

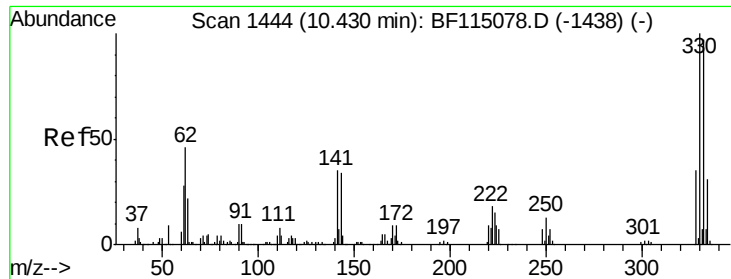
Acq: 28 Jun 2019 3:34

Tgt Ion:	164	Resp:	446937
Ion Ratio	Lower	Upper	
164	100		
162	99.9	81.7	122.5
160	44.8	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





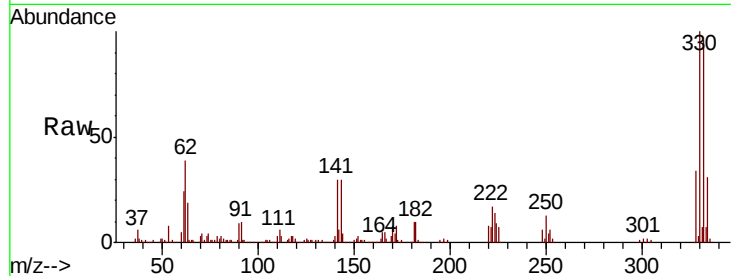
#42
 2,4,6-Tribromophenol
 Concen: 53.393 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115261.D
 Acq: 28 Jun 2019 3:34

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	251645		
332	95.8	77.3	115.9	
141	32.4	28.2	42.2	

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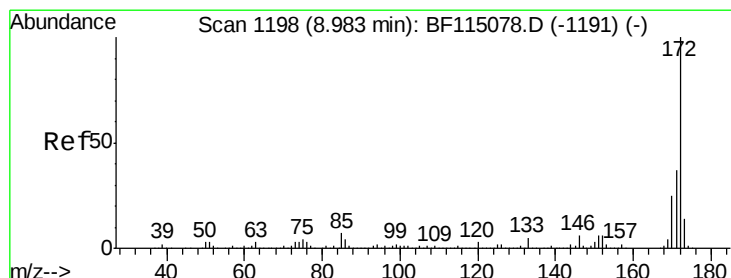
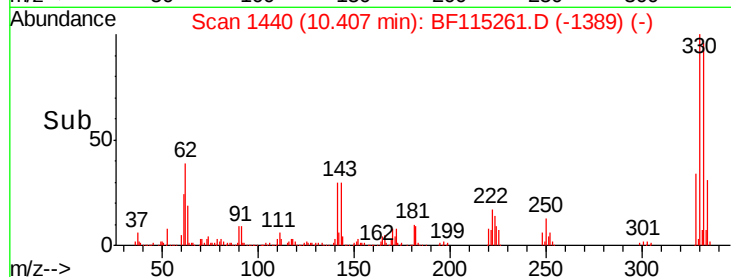
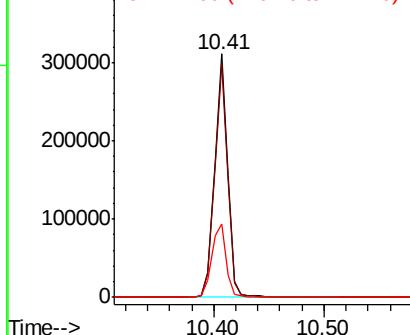


Abundance

Ion 329.80 (329.50 to 330.50): E

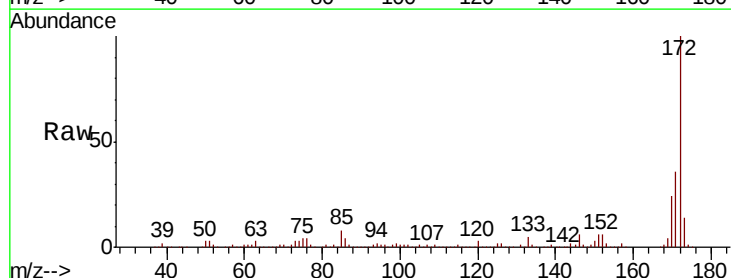
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 38.940 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF115261.D
 Acq: 28 Jun 2019 3:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1024586		
171	36.0	29.8	44.6	
170	24.3	20.3	30.5	

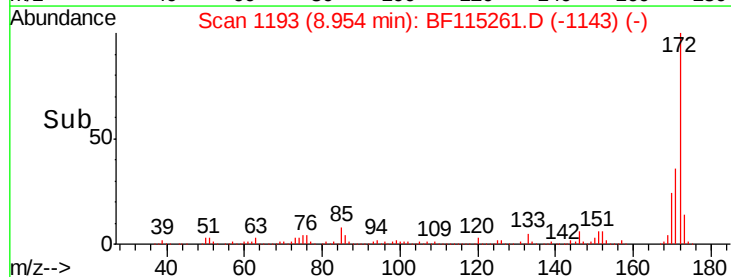
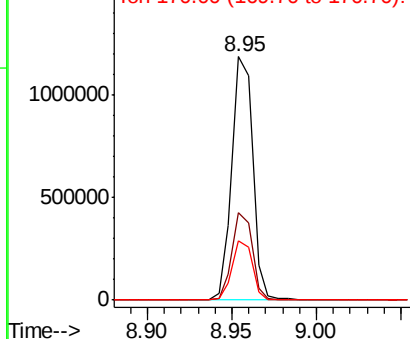


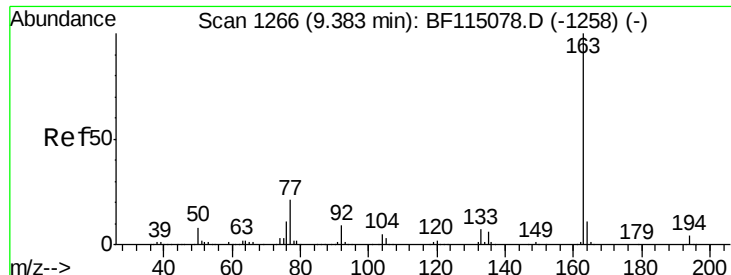
Abundance

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





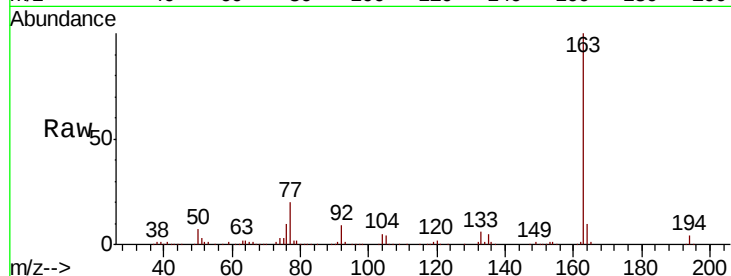
#50
Dimethylphthalate
Concen: 6.753 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115261.D
Acq: 28 Jun 2019 3:34

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

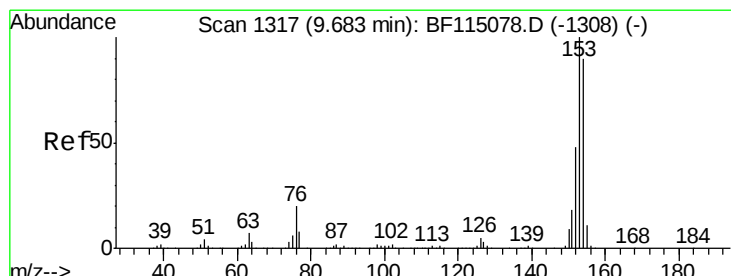
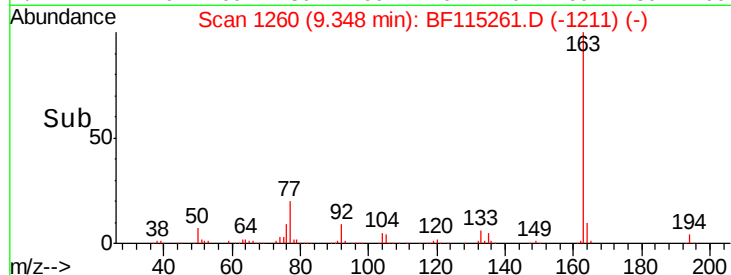
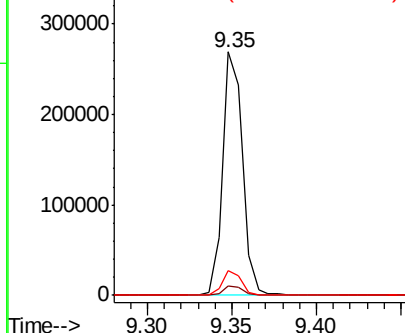
Tot Ion	Ratio	Resp	Lower	Upper
163	100	222040		
194	3.9		3.2	4.8
164	10.3		8.6	13.0

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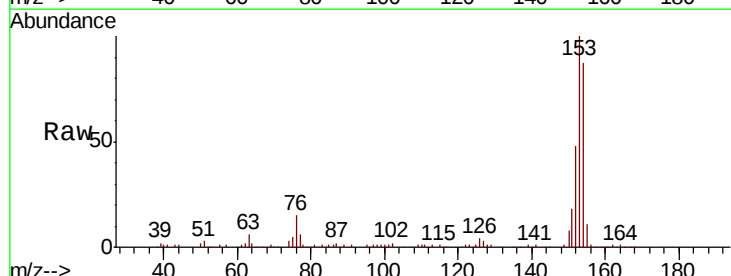


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

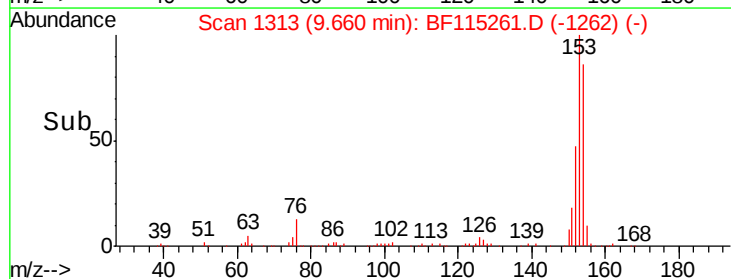
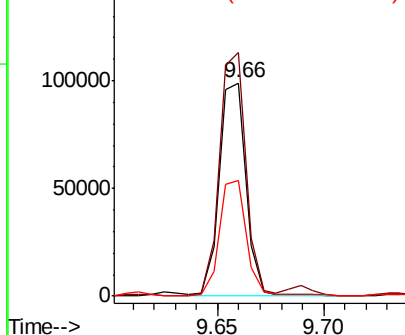


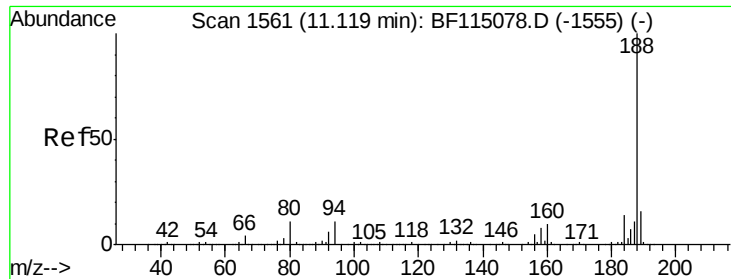
#52
Acenaphthene
Concen: 3.085 ng
RT: 9.66 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BF115261.D
Acq: 28 Jun 2019 3:34

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	87253		
153	114.4		88.7	133.1
152	54.6		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





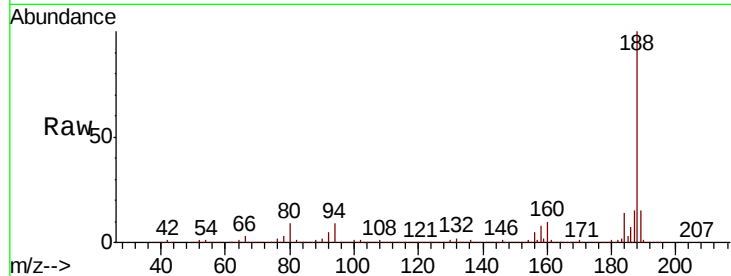
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF115261.D
Acq: 28 Jun 2019 3:34

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

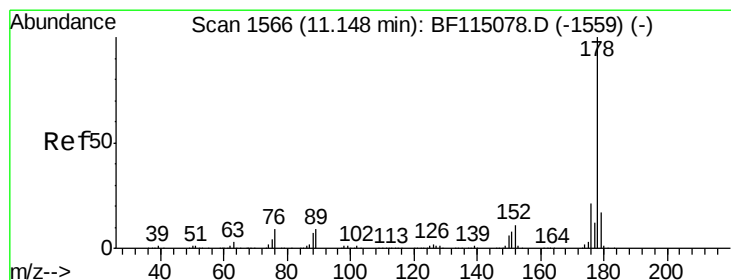
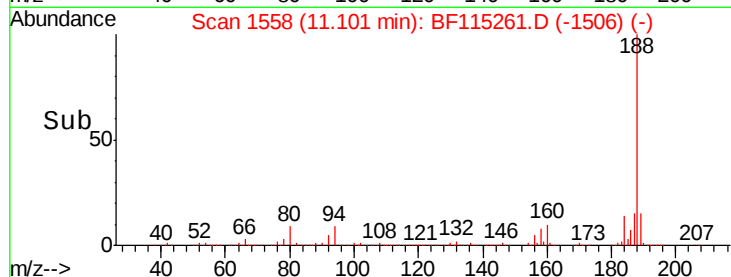
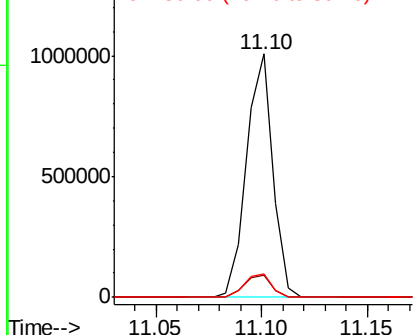
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	8.6	12.8
80	9.4	8.8	13.2

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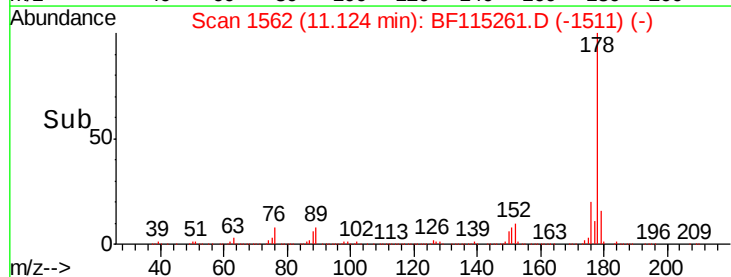
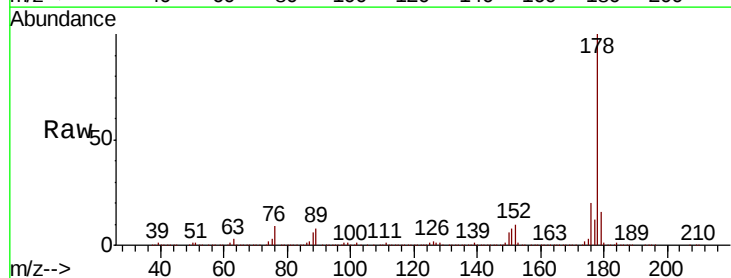
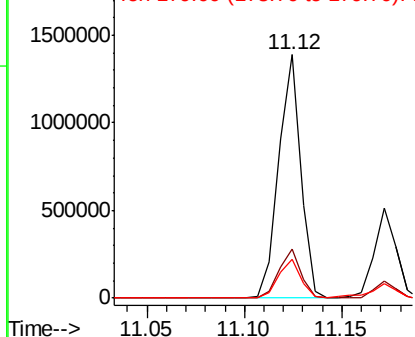
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

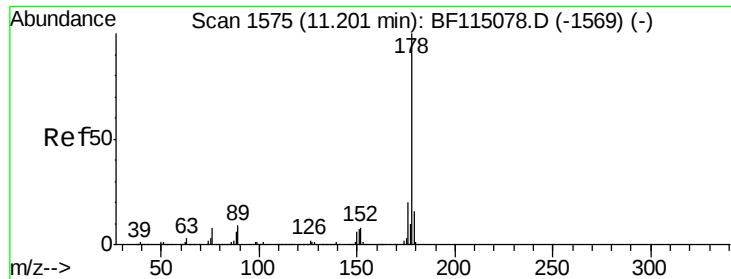


#71
Phenanthrene
Concen: 23.280 ng
RT: 11.12 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF115261.D
Acq: 28 Jun 2019 3:34

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.0	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





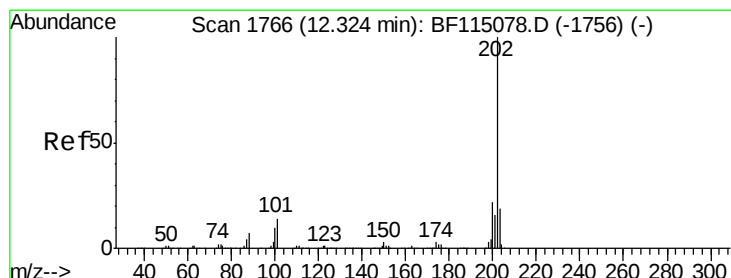
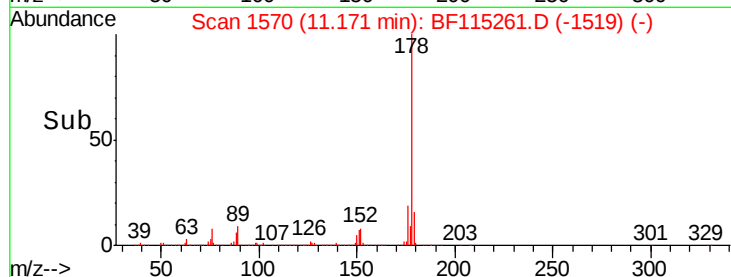
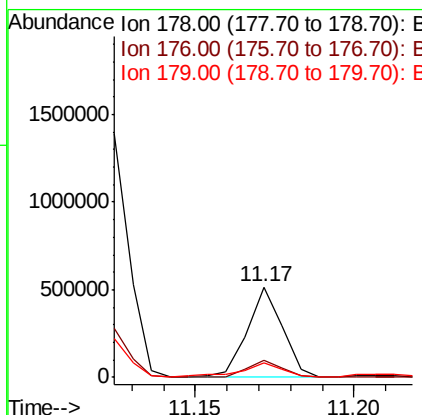
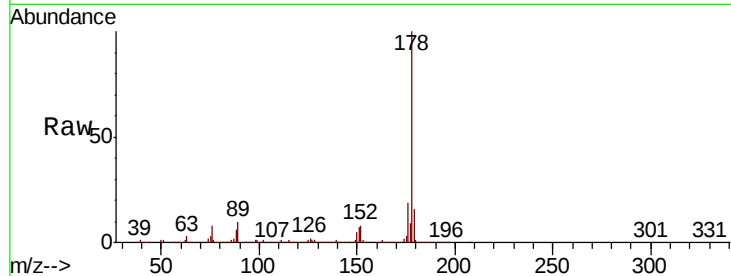
#72
 Anthracene
 Concen: 8.222 ng
 RT: 11.17 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF115261.D
 Acq: 28 Jun 2019 3:34

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.1	24.1
179	15.9	12.9	19.3

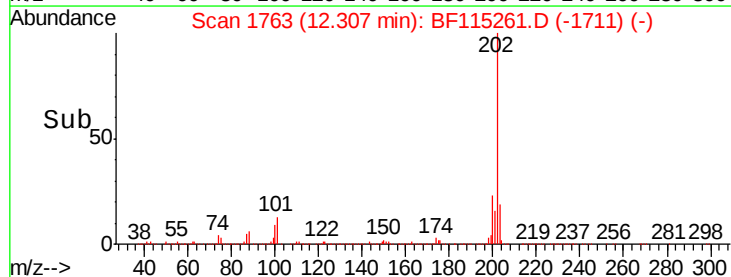
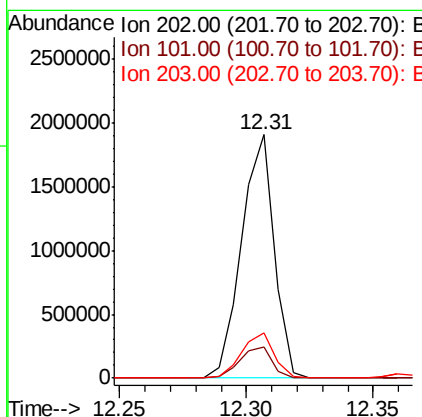
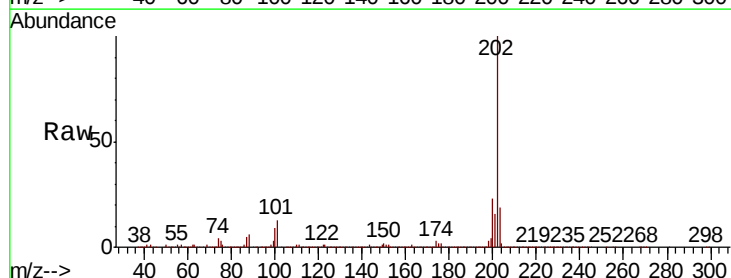
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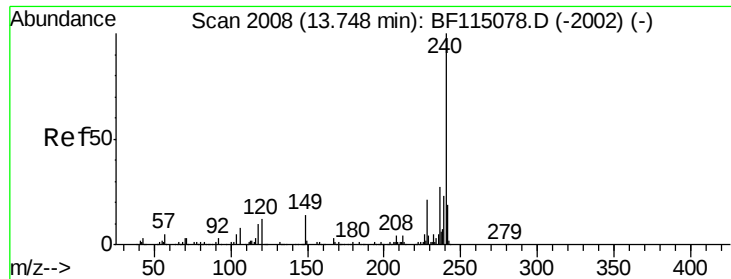
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#75
 Fluoranthene
 Concen: 36.426 ng
 RT: 12.31 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF115261.D
 Acq: 28 Jun 2019 3:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.0
203	18.7	0.0	38.8





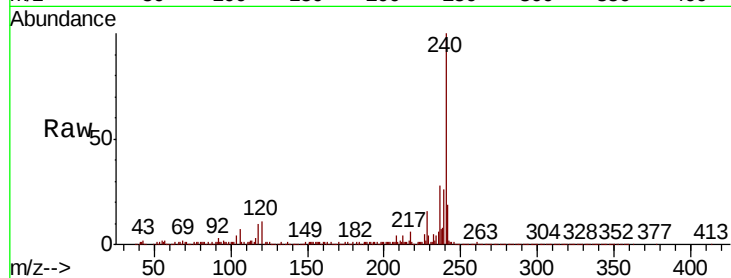
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.72 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF115261.D
Acq: 28 Jun 2019 3:34

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.4	14.2
236	27.6	21.7	32.5

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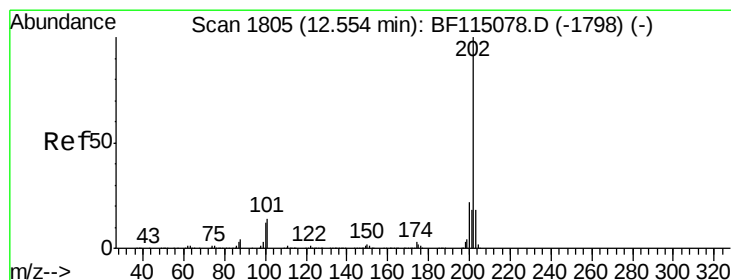
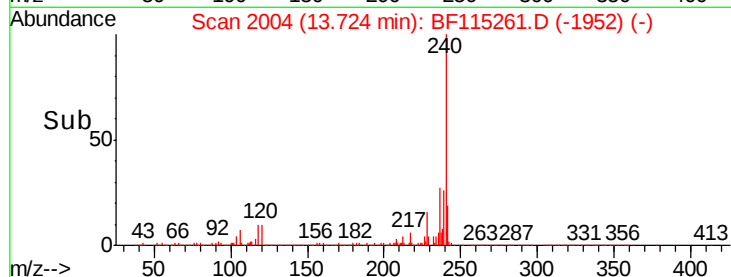
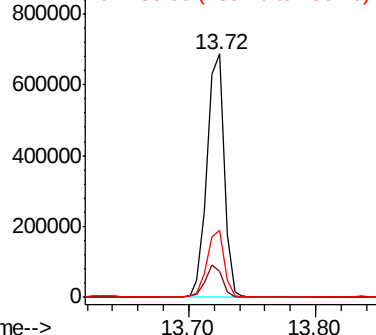


Abundance

Ion 240.00 (239.70 to 240.70): E

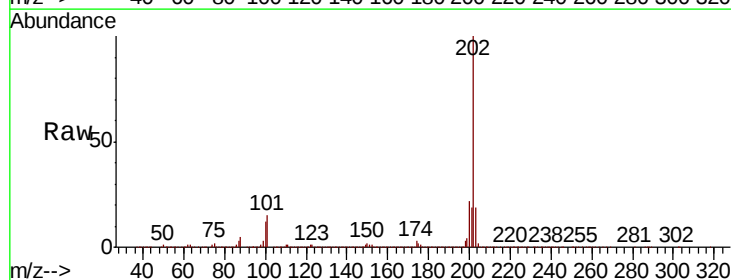
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 31.605 ng
RT: 12.53 min Scan# 1801
Delta R.T. 0.01 min
Lab File: BF115261.D
Acq: 28 Jun 2019 3:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.9	26.9
203	19.0	14.6	21.8

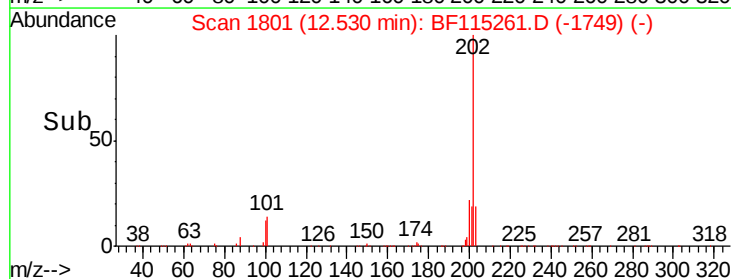
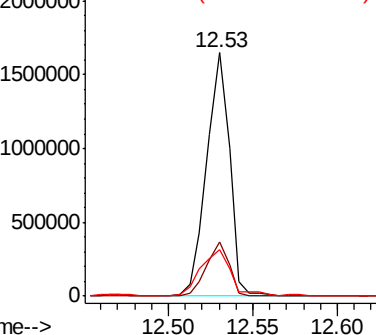


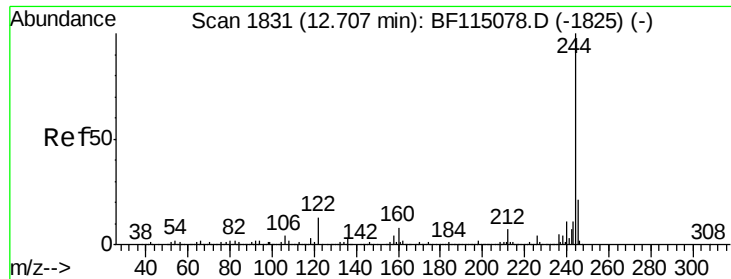
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 40.079 ng

RT: 12.68 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF115261.D

Acq: 28 Jun 2019 3:34

Instrument :

BNA_F

ClientSampleId :

OR-03-062619-A

Tot Ion:244 Resp: 1204738

Ion Ratio Lower Upper

244 100

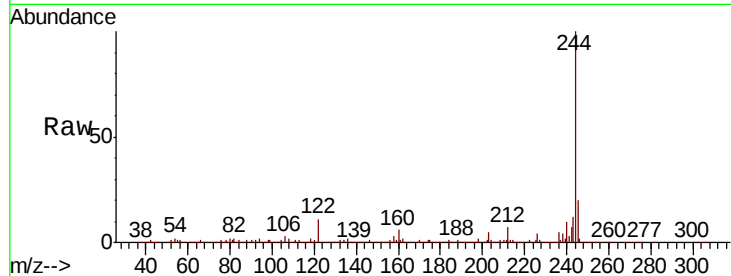
212 6.6 5.8 8.6

122 10.5 10.4 15.6

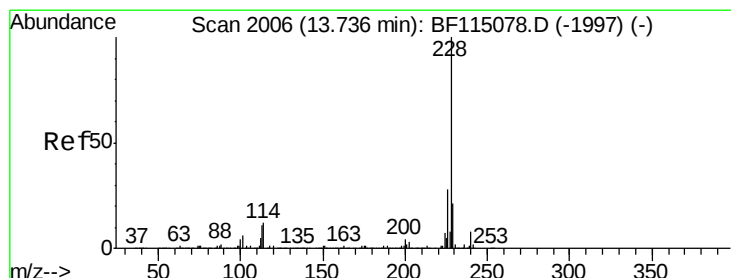
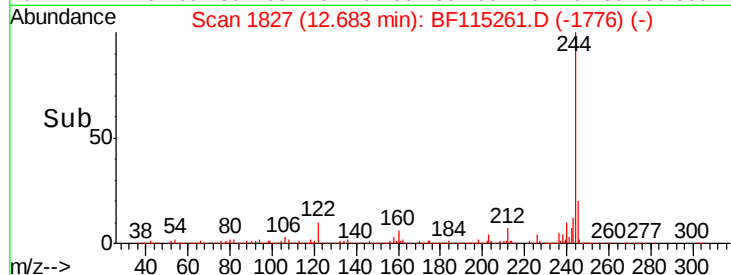
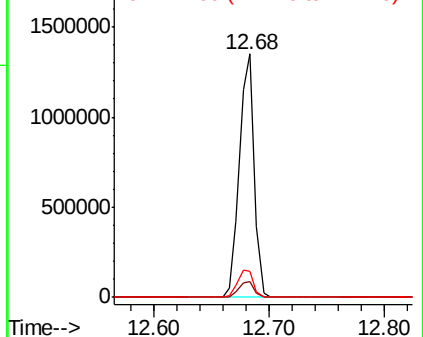
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 17.662 ng

RT: 13.71 min Scan# 2002

Delta R.T. 0.01 min

Lab File: BF115261.D

Acq: 28 Jun 2019 3:34

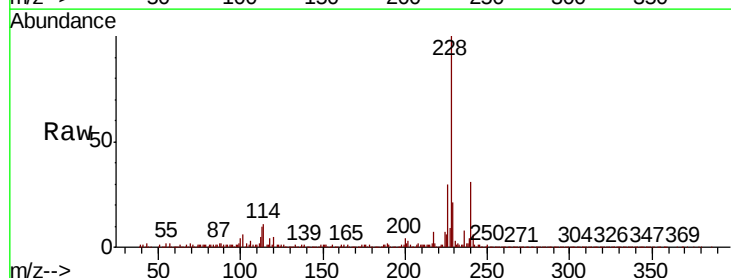
Tgt Ion:228 Resp: 809931

Ion Ratio Lower Upper

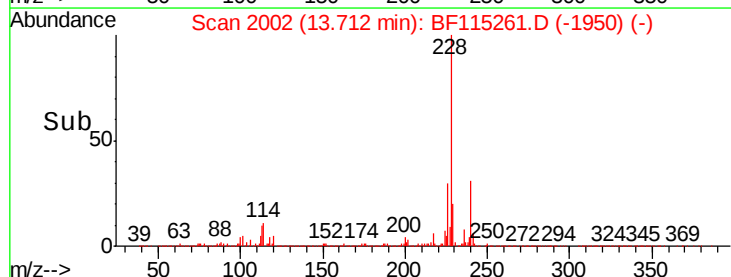
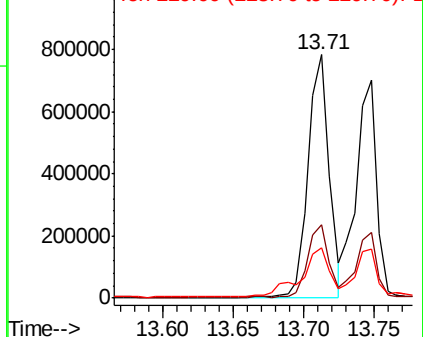
228 100

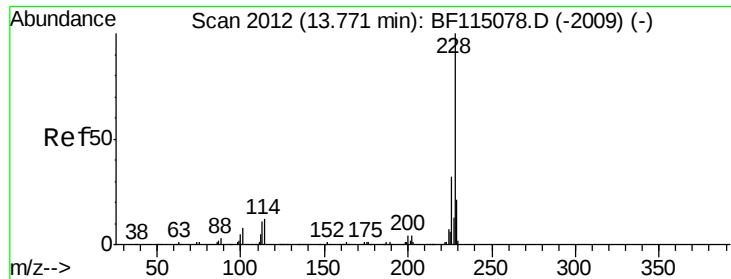
226 29.9 22.5 33.7

229 20.7 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





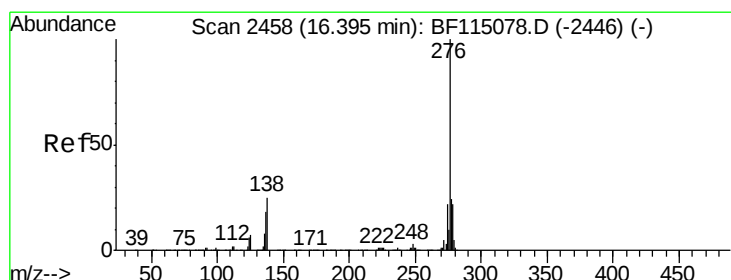
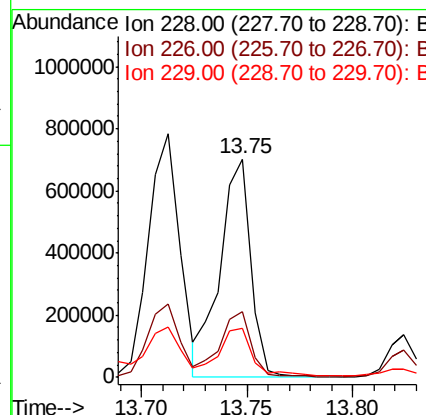
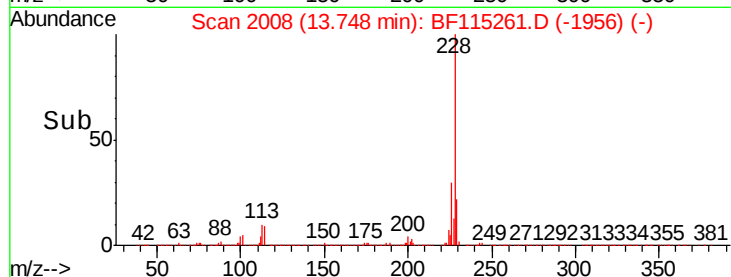
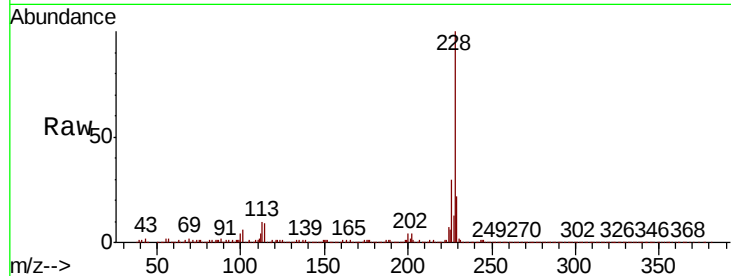
#83
Chrysene
Concen: 16.797 ng
RT: 13.75 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BF115261.D
Acq: 28 Jun 2019 3:34

Instrument :
BNA_F
ClientSampleID :
OR-03-062619-A

Tot Ion:	228	Resp:	705589
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.4	38.0
229	22.3	16.5	24.7

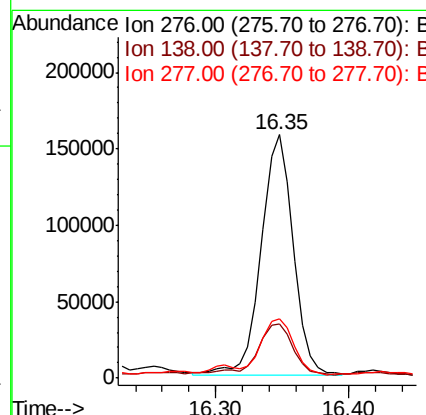
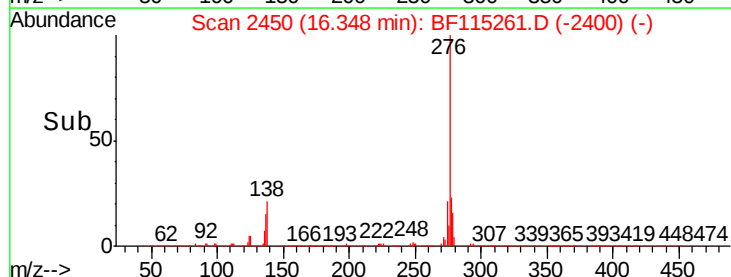
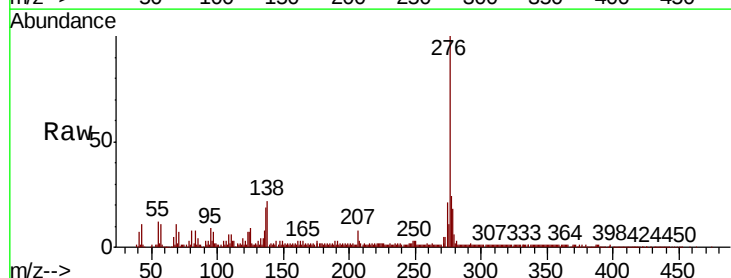
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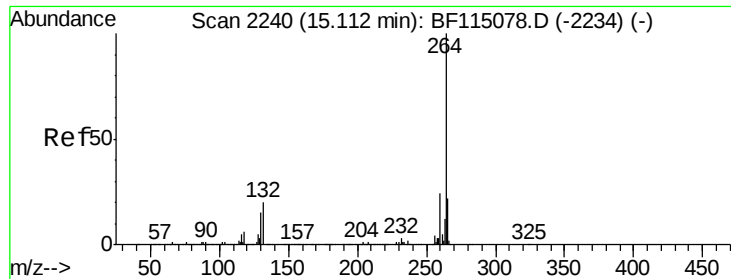
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.300 ng
RT: 16.35 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BF115261.D
Acq: 28 Jun 2019 3:34

Tgt Ion:	276	Resp:	263456
Ion Ratio	Lower	Upper	
276	100		
138	24.2	23.2	34.8
277	23.3	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.08 min Scan# 2235

Delta R.T. 0.00 min

Lab File: BF115261.D

Acq: 28 Jun 2019 3:34

Instrument :

BNA_F

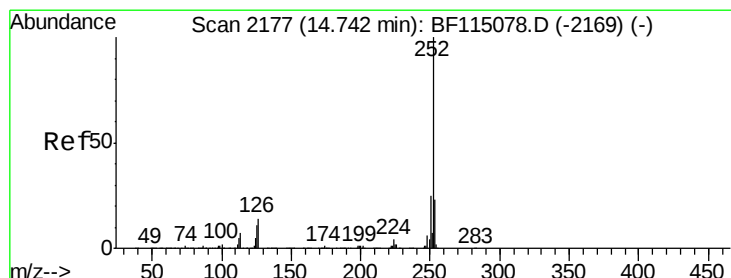
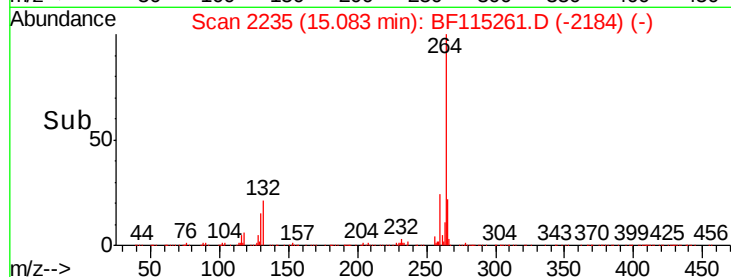
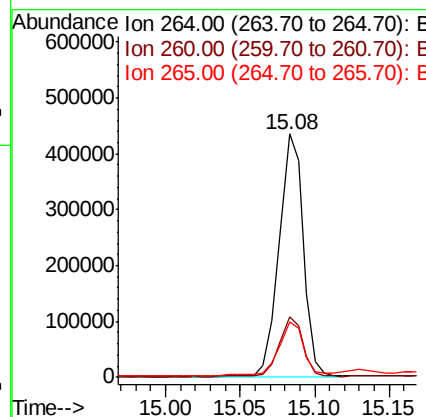
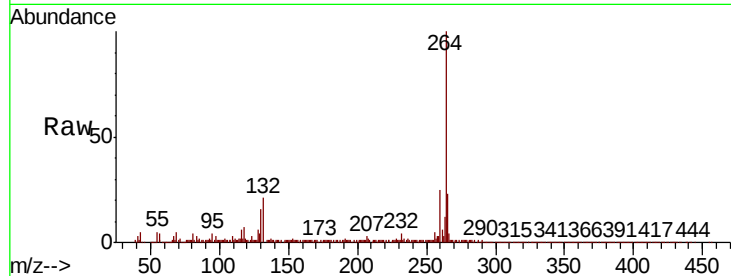
ClientSampleId :

OR-03-062619-A

Tot Ion:	264	Resp:	496050
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.6	29.4
265	22.6	17.3	25.9

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#88

Benzo(b)fluoranthene

Concen: 25.938 ng m

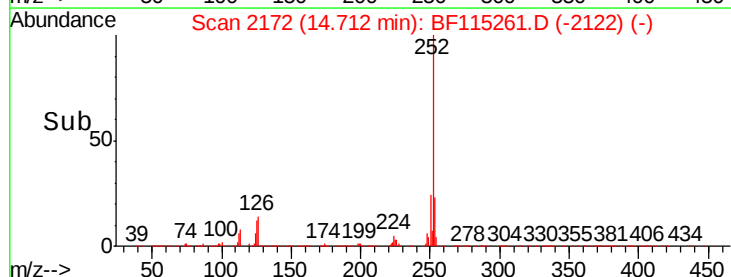
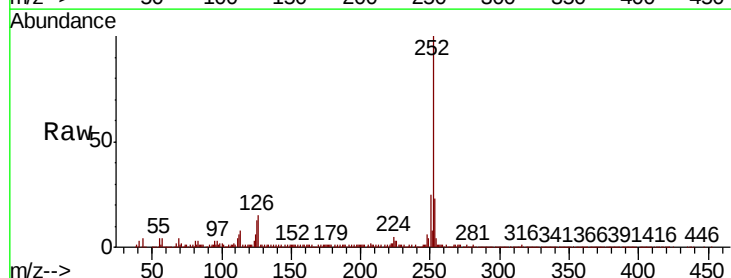
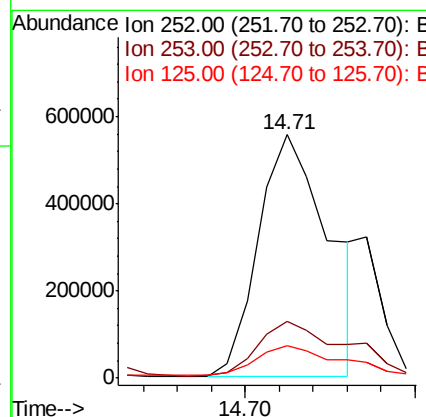
RT: 14.71 min Scan# 2172

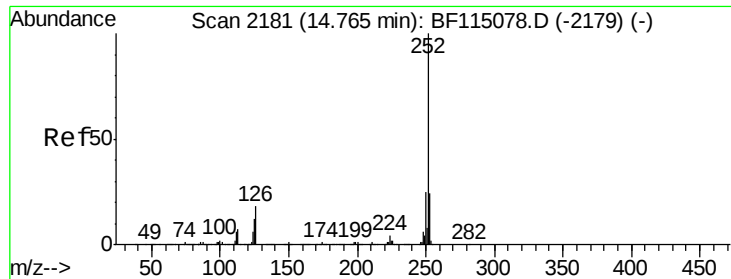
Delta R.T. -0.01 min

Lab File: BF115261.D

Acq: 28 Jun 2019 3:34

Tgt Ion:	252	Resp:	802832
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.1	27.1
125	13.3	8.7	13.1#





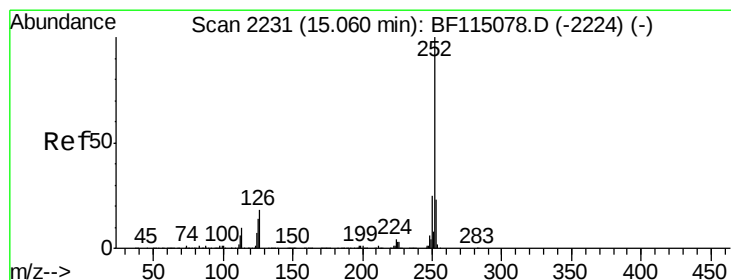
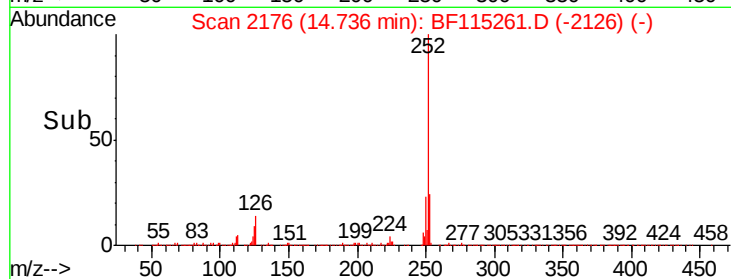
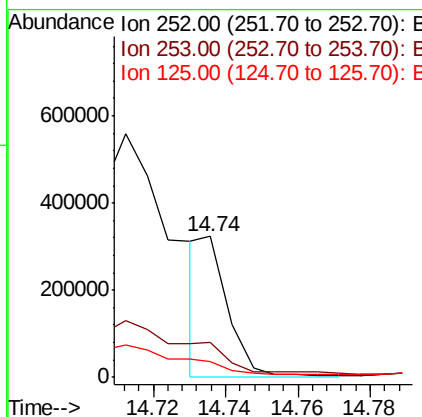
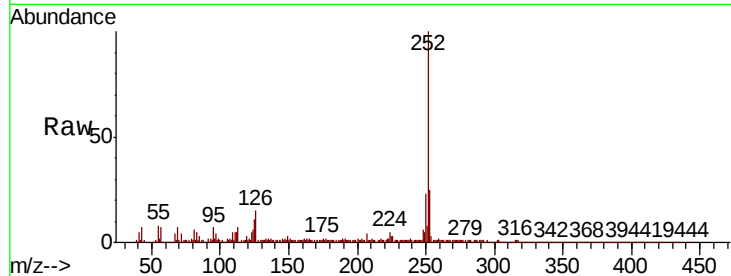
#89
Benzo(k)fluoranthene
Concen: 6.108 ng m
RT: 14.74 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BF115261.D
Acq: 28 Jun 2019 3:34

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.9	28.3
125	11.4	10.2	15.2

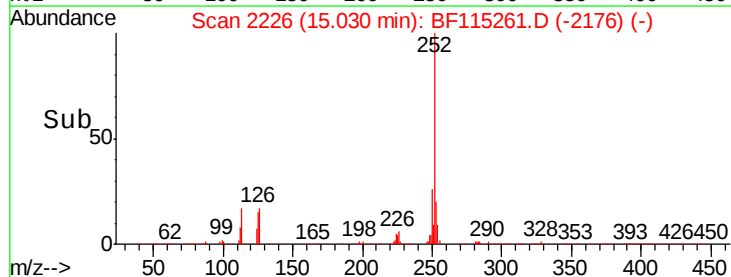
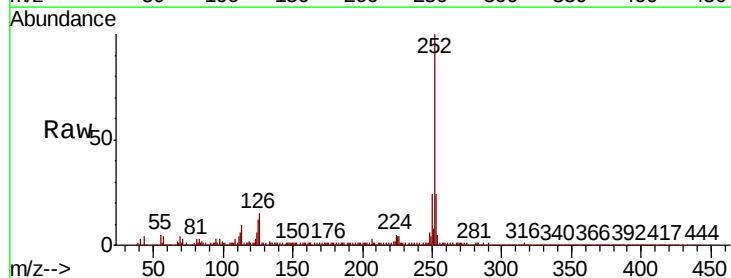
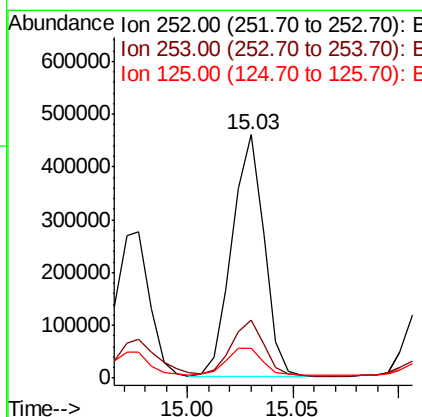
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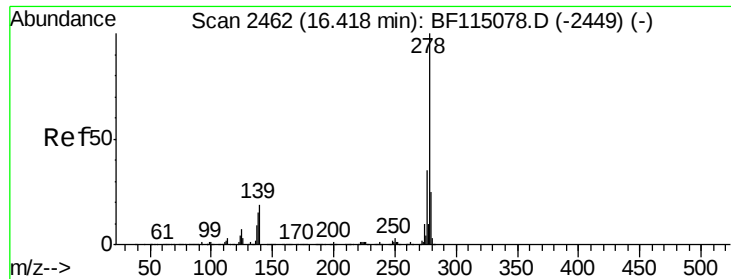
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#90
Benzo(a)pyrene
Concen: 17.354 ng
RT: 15.03 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF115261.D
Acq: 28 Jun 2019 3:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.3	27.5
125	12.4	10.9	16.3





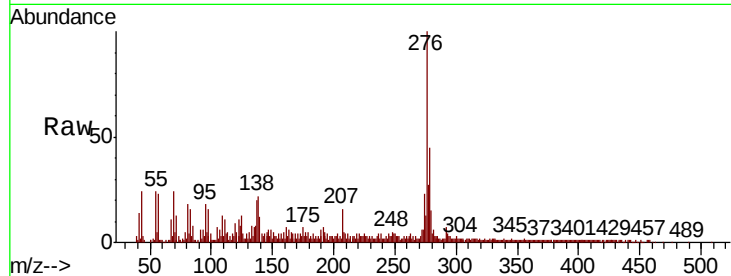
#91
Dibenzo(a,h)anthracene
Concen: 2.533 ng
RT: 16.36 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BF115261.D
Acq: 28 Jun 2019 3:34

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.4	15.4	23.2#
279	32.4	19.9	29.9#

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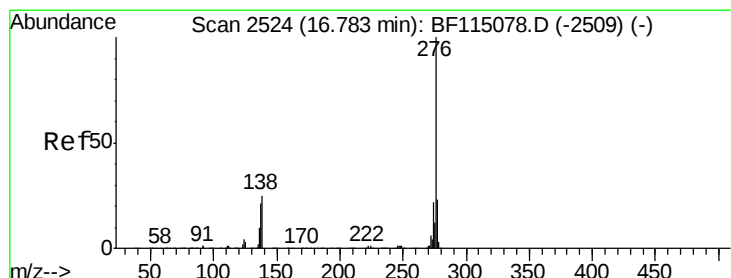
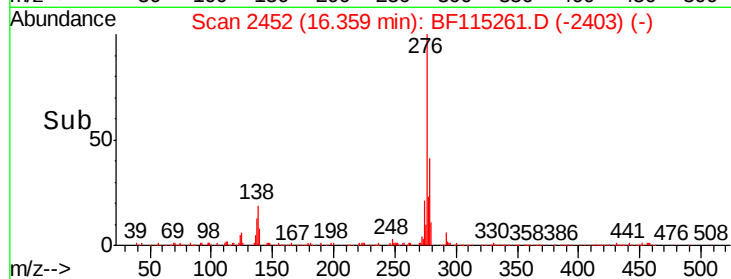
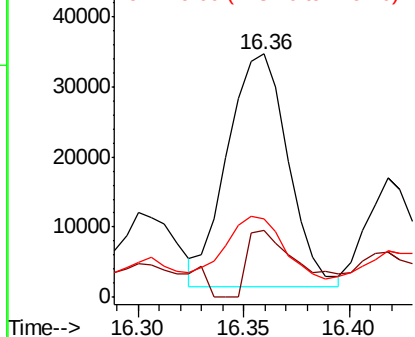


Abundance

Ion 278.00 (277.70 to 278.70): E

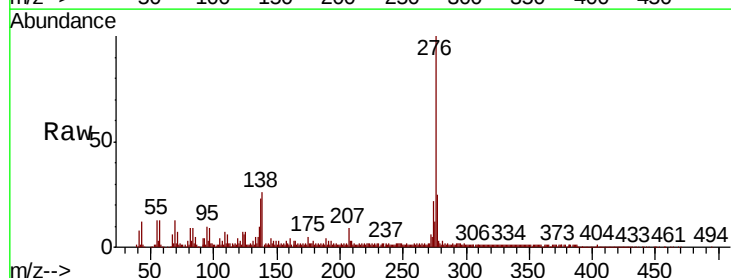
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 8.782 ng
RT: 16.72 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BF115261.D
Acq: 28 Jun 2019 3:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	26.0	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

