

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117543.D
 Acq On : 25 Oct 2019 18:26
 Operator : JU
 Sample : K5502-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 180-92-(0-2)

Manual Integrations
 APPROVED

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 10/29/2019 3:33:33 PM

Quant Time: Oct 26 01:46:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	32165	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	122124	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	56465	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	79330	20.00	ng	0.00
76) Chrysene-d12	13.89	240	62792	20.00	ng	0.00
87) Perylene-d12	15.33	264	55413	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	267144	123.56	ng	0.00
7) Phenol-d6	6.39	99	363548	125.19	ng	0.01
23) Nitrobenzene-d5	7.29	82	219200	88.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	53908	110.34	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	340994	85.09	ng	-0.01
79) Terphenyl-d14	12.83	244	247425	64.27	ng	0.00
Target Compounds						
10) Phenol	6.41	94	7772	2.622	ng	Qvalue # 62
50) Dimethylphthalate	9.48	163	46506	11.553	ng	99
71) Phenanthrene	11.27	178	17651	3.832	ng	97
75) Fluoranthene	12.46	202	48958	10.617	ng	97
78) Pyrene	12.69	202	47907	8.882	ng	98
81) Benzo(a)anthracene	13.88	228	35573	8.399	ng	97
83) Chrysene	13.92	228	37850m	9.118	ng	
84) Bis(2-ethylhexyl)phthalate	13.86	149	19762	5.256	ng	94
86) Indeno(1,2,3-cd)pyrene	16.75	276	13150	4.243	ng	93
88) Benzo(b)fluoranthene	14.92	252	40455m	12.363	ng	
89) Benzo(k)fluoranthene	14.94	252	13006m	3.878	ng	
90) Benzo(a)pyrene	15.27	252	24033	8.078	ng	# 90
92) Benzo(a,h,i)perylene	17.17	276	11742	4.824	ng	# 94

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

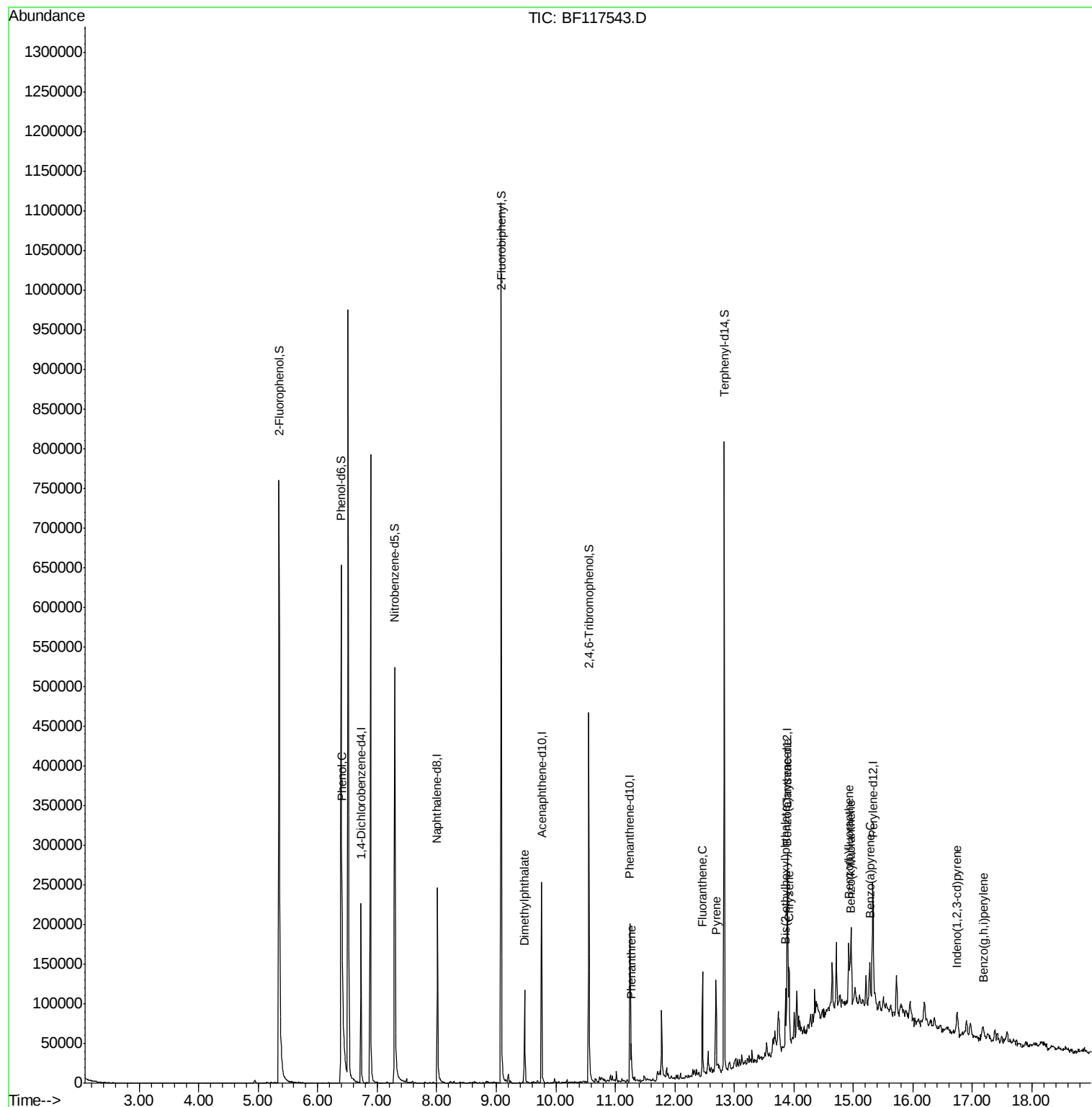
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117543.D
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#1

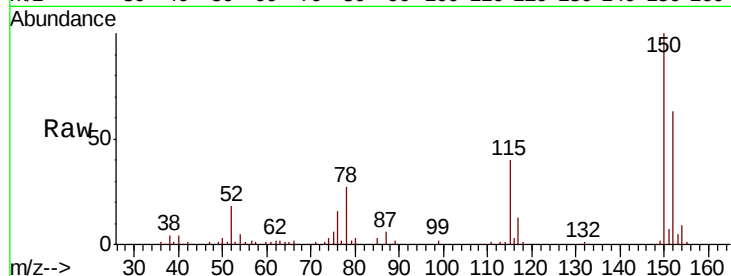
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
180-92-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.8	190.2
115	63.8	51.6	77.4

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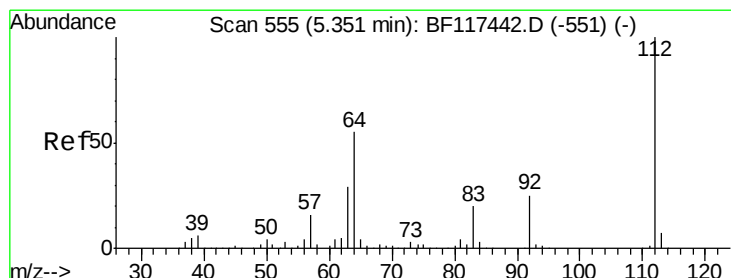
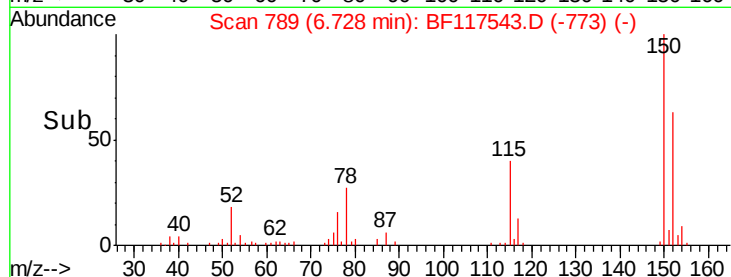
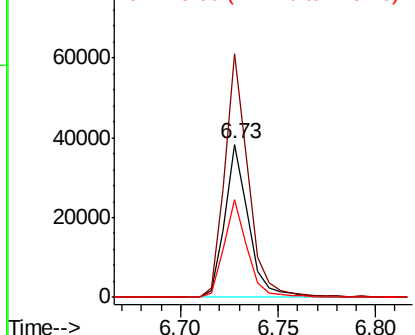


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

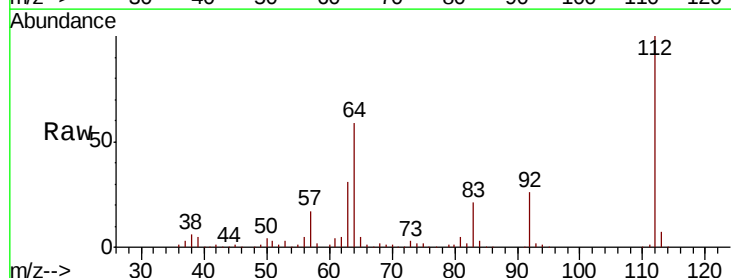
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 123.560 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	44.1	66.1
63	30.8	23.4	35.2

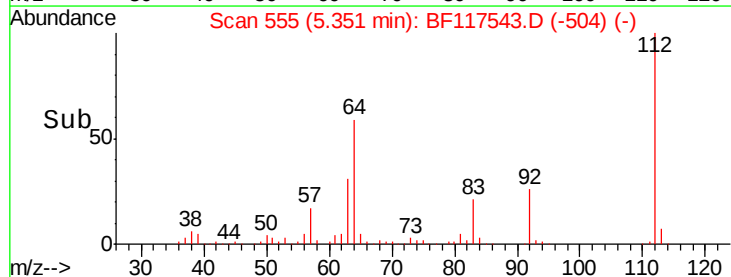
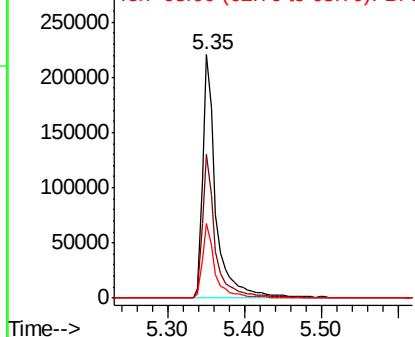


Abundance

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: 125.194 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

Instrument :

BNA_F

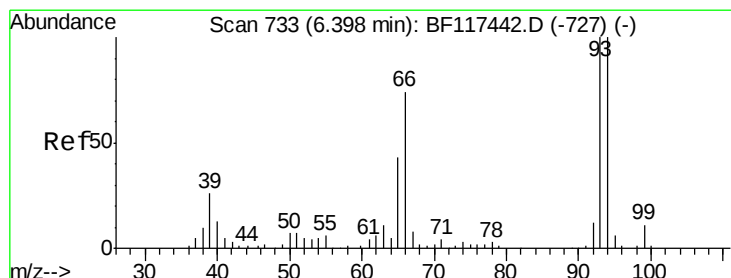
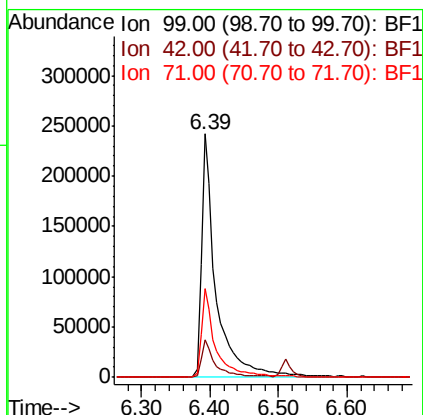
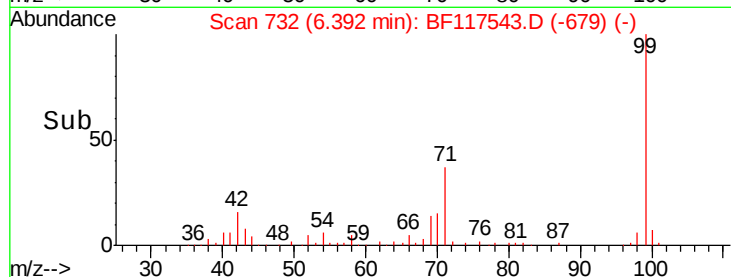
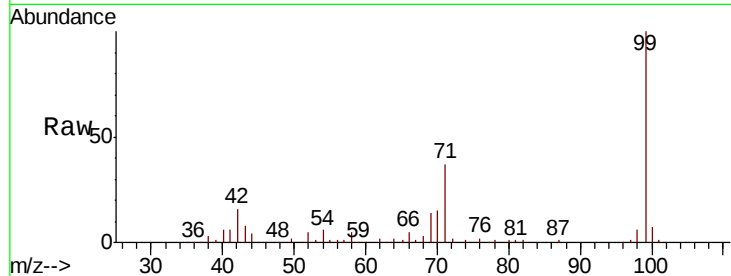
ClientSampleId :

180-92-(0-2)

Tot Ion:	99	Resp:	363548
Ion Ratio	Lower	Upper	
99	100		
42	15.5	12.8	19.2
71	36.6	28.6	43.0

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#10

Phenol

Concen: 2.622 ng

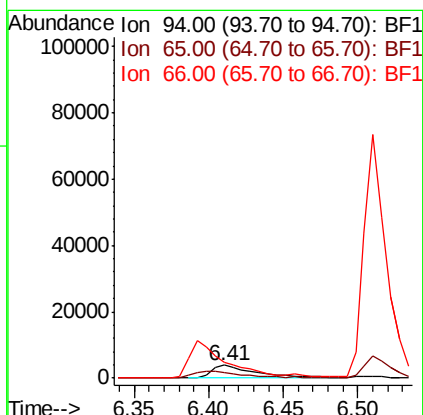
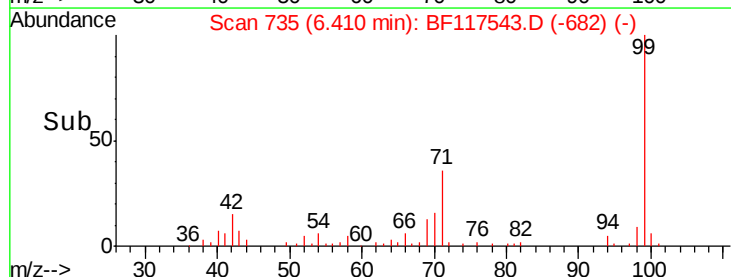
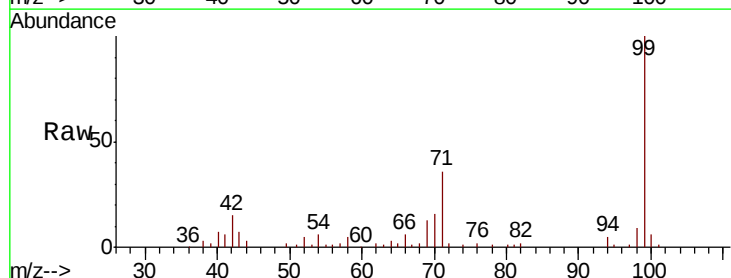
RT: 6.41 min Scan# 735

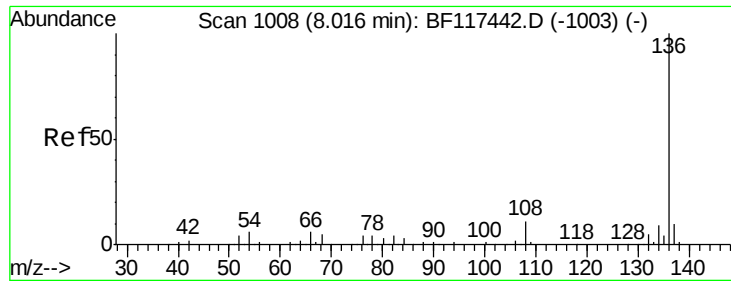
Delta R.T. 0.01 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

Tgt Ion:	94	Resp:	7772
Ion Ratio	Lower	Upper	
94	100		
65	42.3	23.4	63.4
66	125.2	54.7	94.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

Instrument :

BNA_F

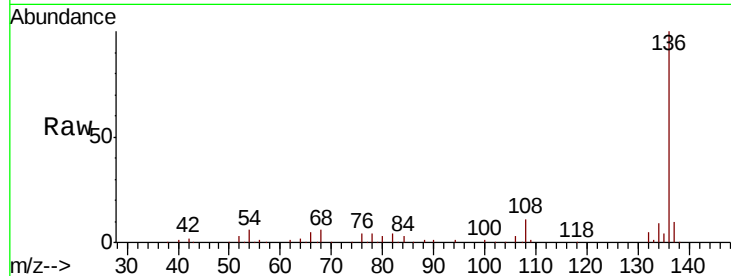
ClientSampleId :

180-92-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	122124		
137	10.3	8.2	12.4	
54	5.7	4.5	6.7	
68	5.6	4.3	6.5	

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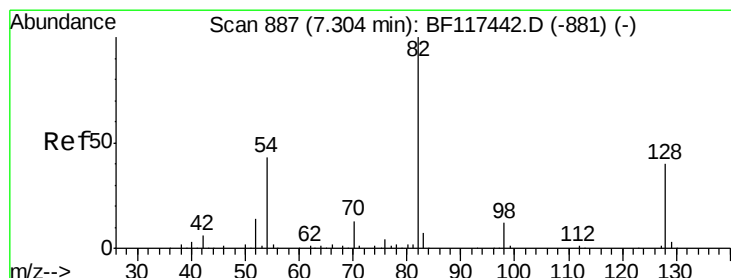
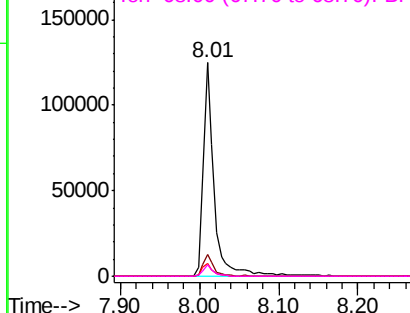
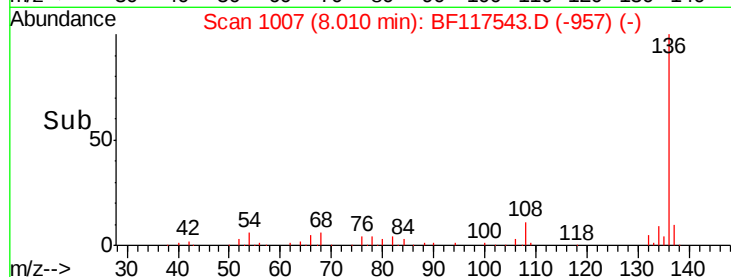


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.610 ng

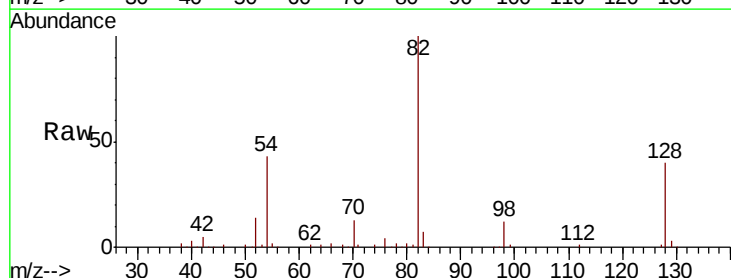
RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

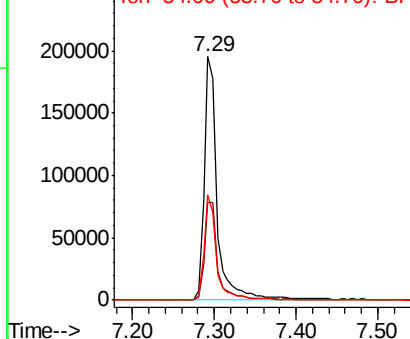
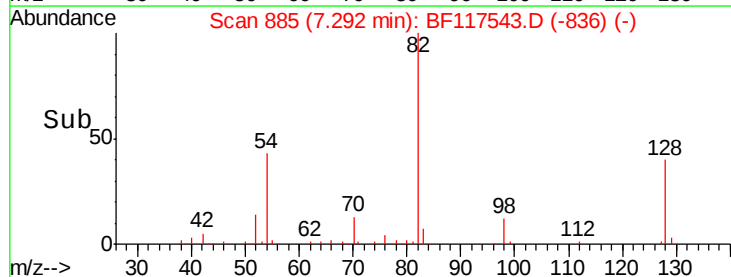
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	219200		
128	40.2	32.2	48.2	
54	43.1	34.2	51.2	

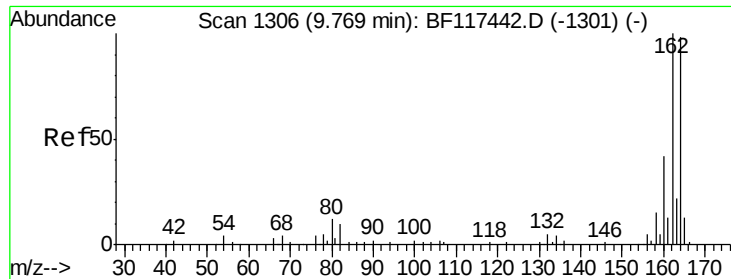


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





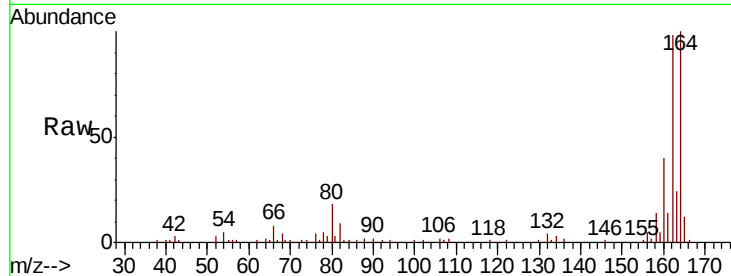
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
180-92-(0-2)

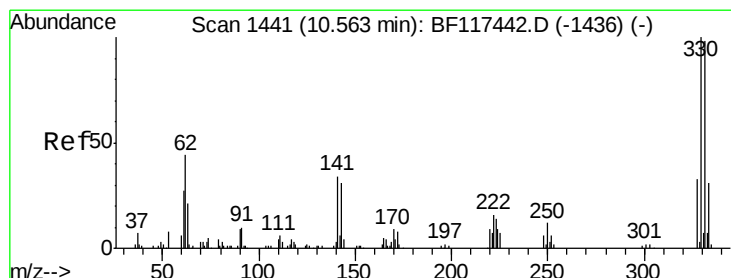
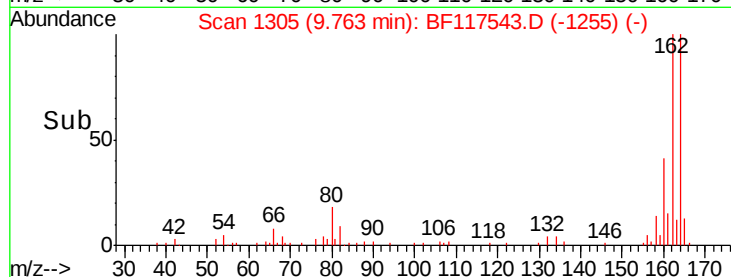
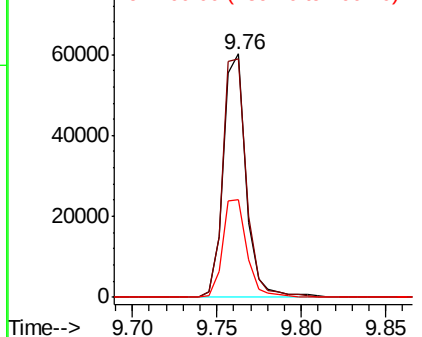
Tot Ion	Ratio	Lower	Upper
164	100		
162	98.0	81.8	122.6
160	40.0	34.4	51.6

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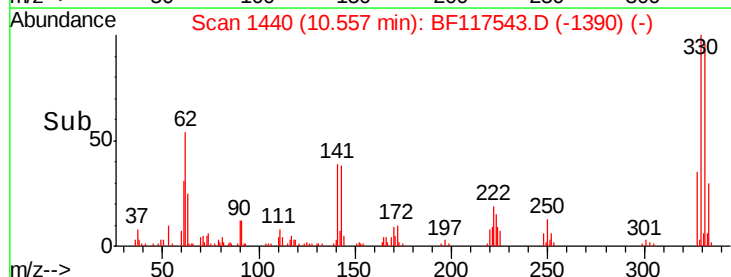
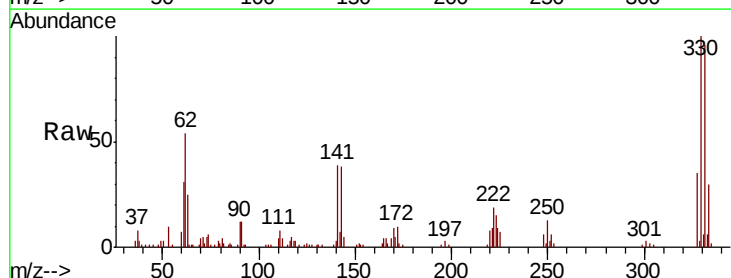
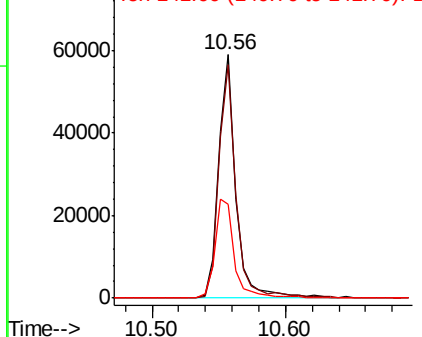
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 110.339 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.5	117.7
141	45.4	37.0	55.6

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





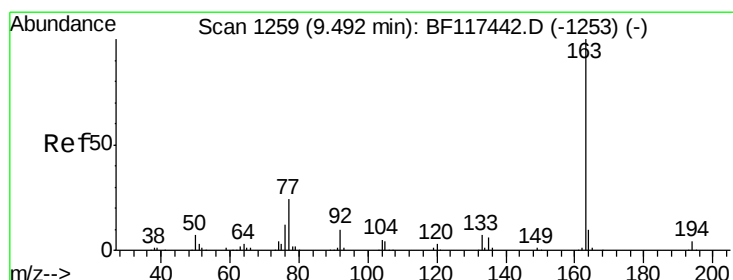
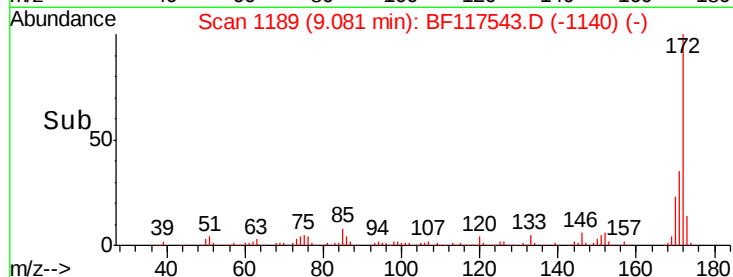
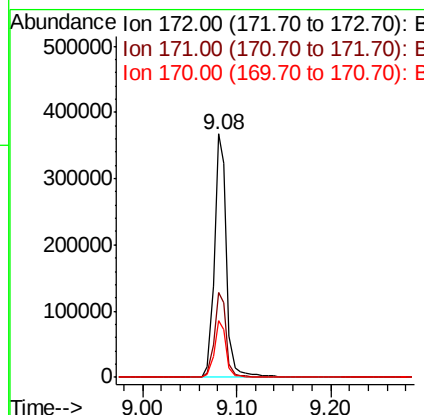
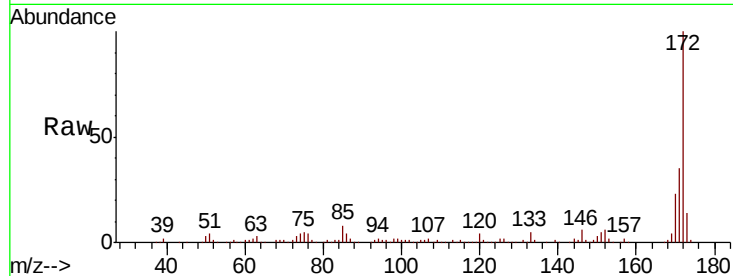
#45
2-Fluorobiphenyl
Concen: 85.089 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
180-92-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	340994		
171	35.1	27.5	41.3	
170	23.3	18.6	27.8	

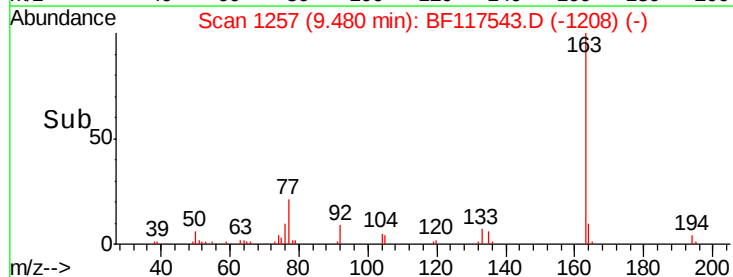
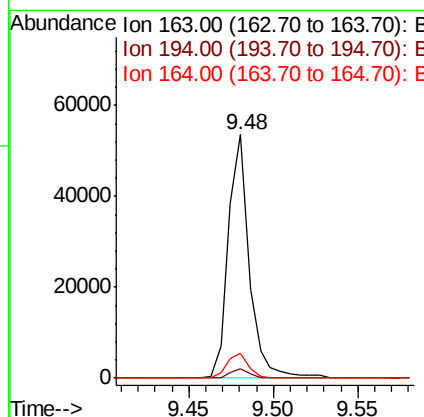
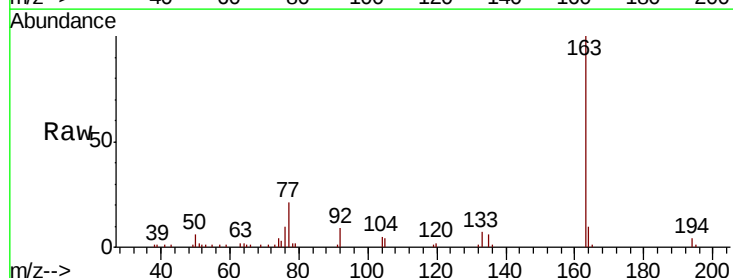
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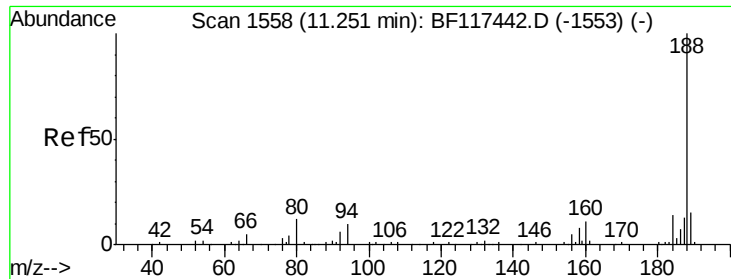
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#50
Dimethylphthalate
Concen: 11.553 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	46506		
194	3.8	2.9	4.3	
164	9.9	8.2	12.2	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

Instrument :

BNA_F

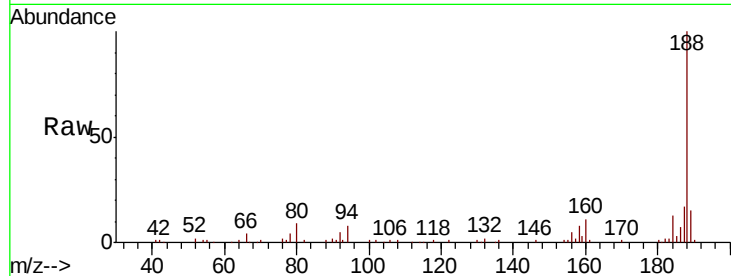
ClientSampleId :

180-92-(0-2)

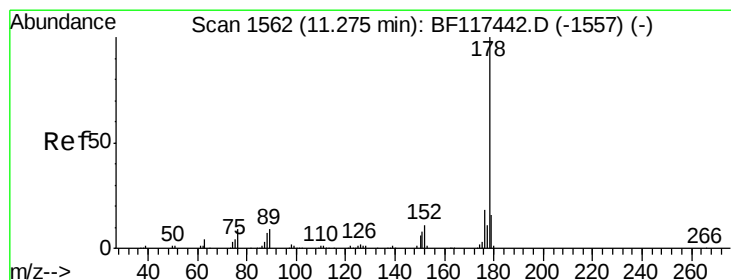
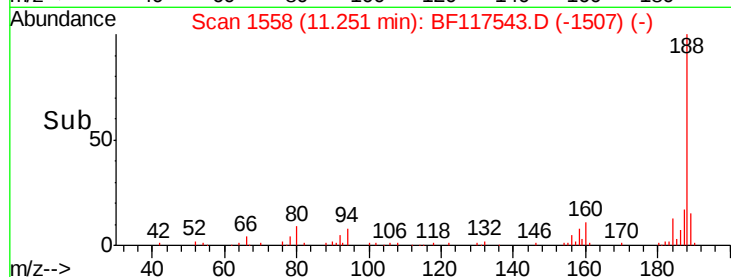
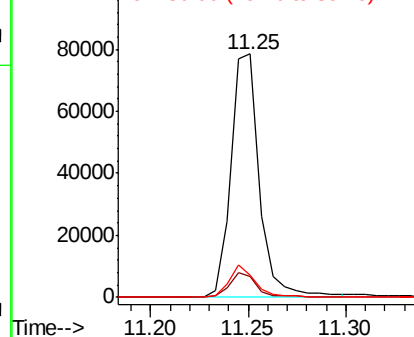
Tot Ion:	188	Resp:	79330
Ion Ratio	Lower	Upper	
188	100		
94	8.4	8.0	12.0
80	9.3	9.5	14.3#

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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: 3.832 ng

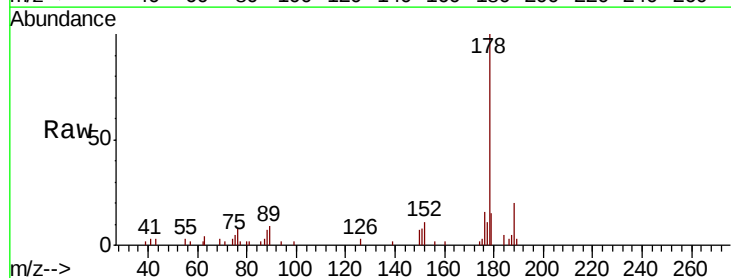
RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

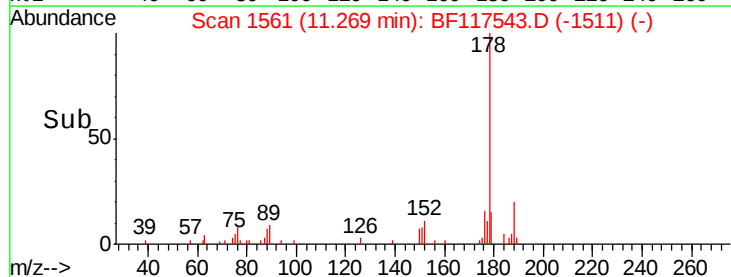
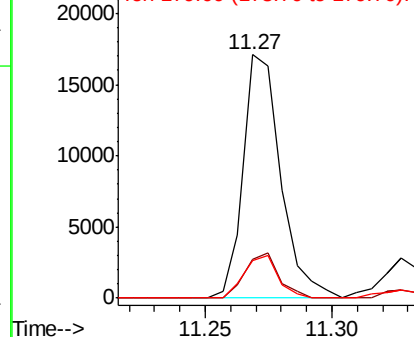
Lab File: BF117543.D

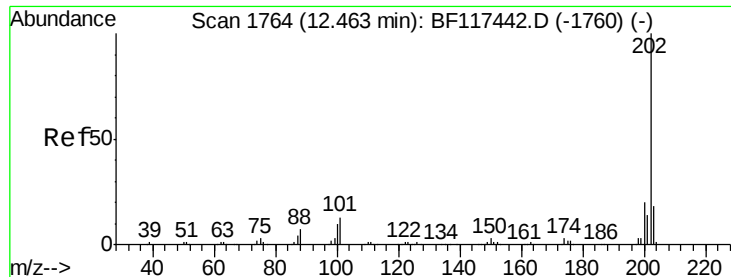
Acq: 25 Oct 2019 18:26

Tgt Ion:	178	Resp:	17651
Ion Ratio	Lower	Upper	
178	100		
176	16.2	14.6	22.0
179	15.5	12.6	19.0



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: 10.617 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

Instrument :

BNA_F

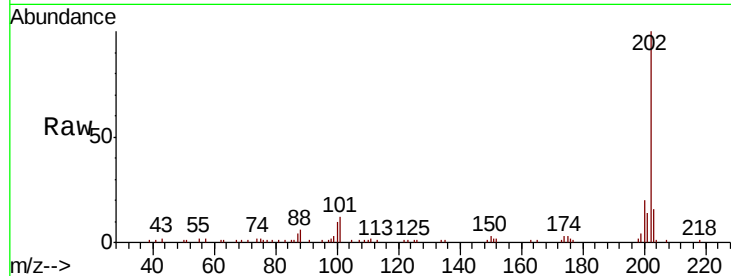
ClientSampleId :

180-92-(0-2)

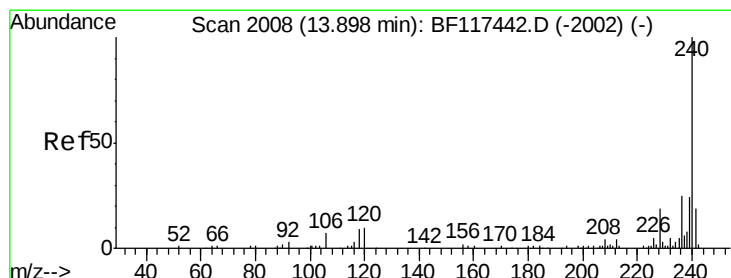
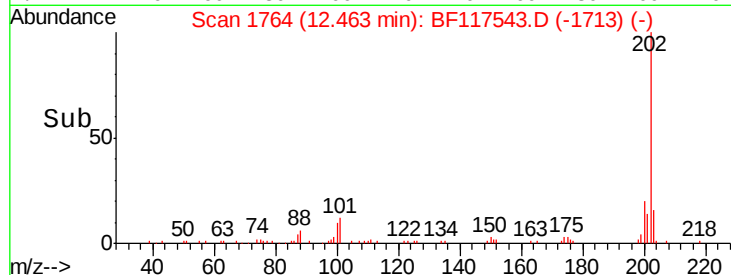
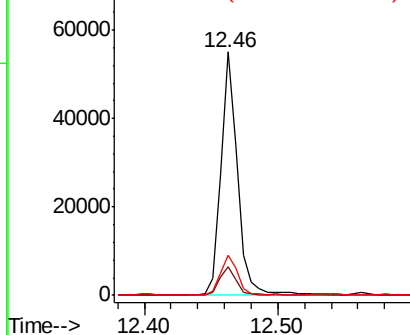
Tot Ion:	202	Resp:	48958
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	32.7
203	16.4	0.0	37.6

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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

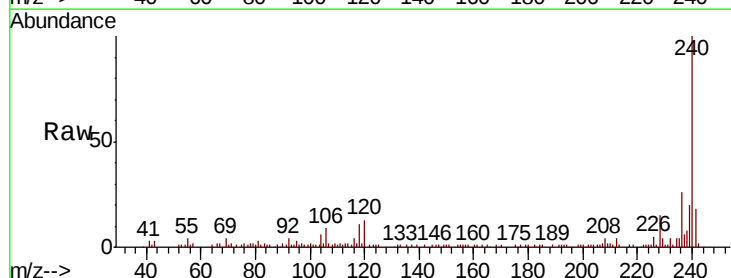
RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

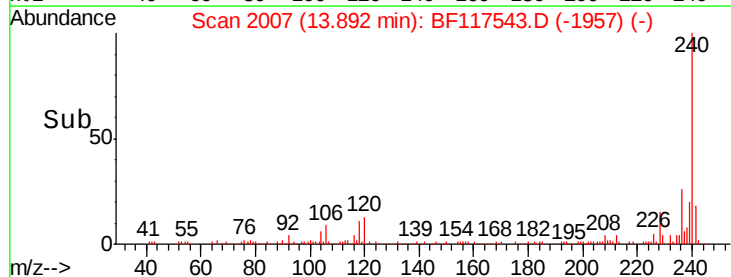
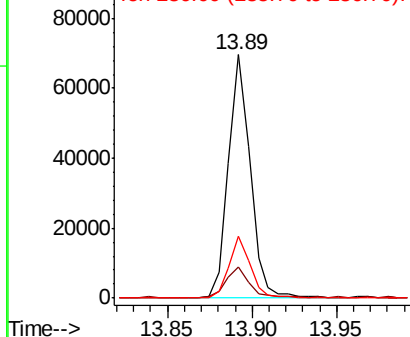
Lab File: BF117543.D

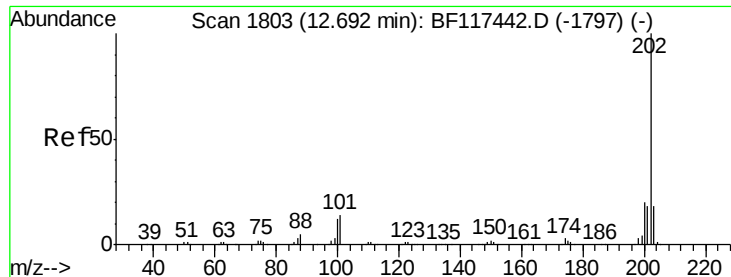
Acq: 25 Oct 2019 18:26

Tgt Ion:	240	Resp:	62792
Ion Ratio	Lower	Upper	
240	100		
120	12.6	8.4	12.6#
236	25.6	20.0	30.0



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





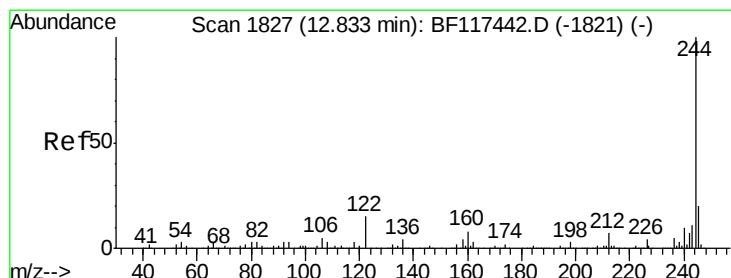
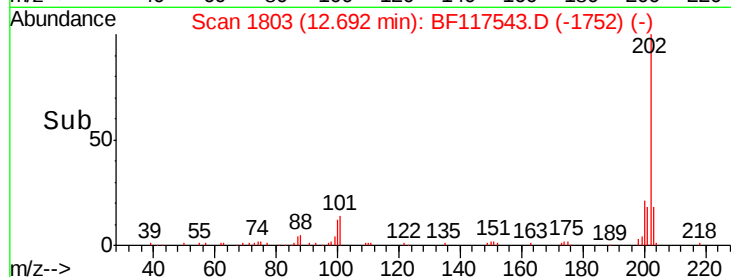
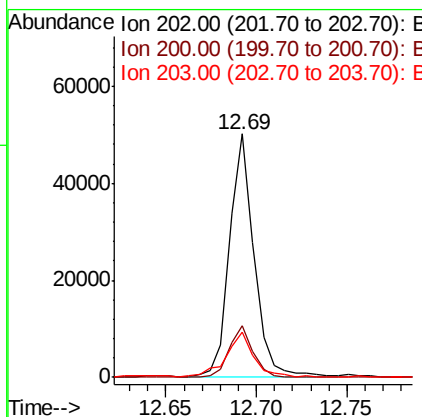
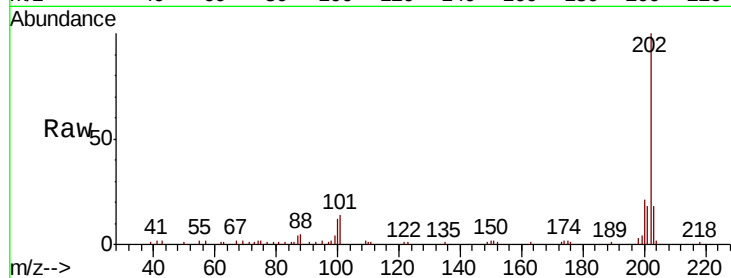
#78
Pvrene
Concen: 8.882 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
180-92-(0-2)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.2	24.2
203	18.5	14.0	21.0

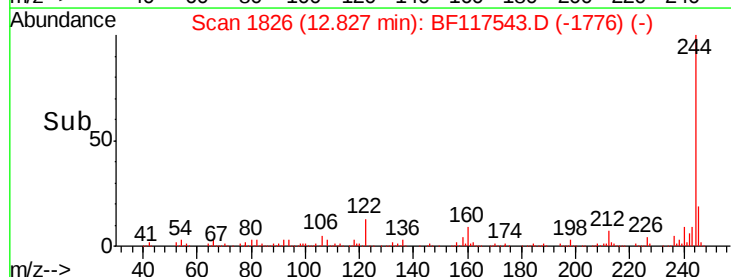
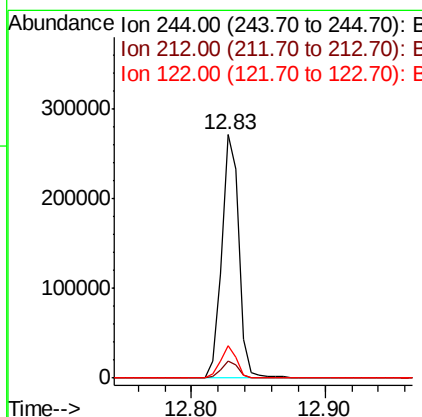
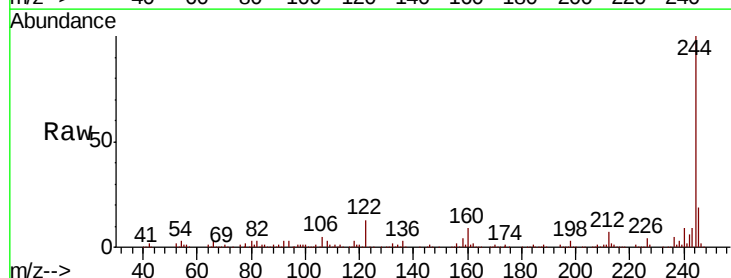
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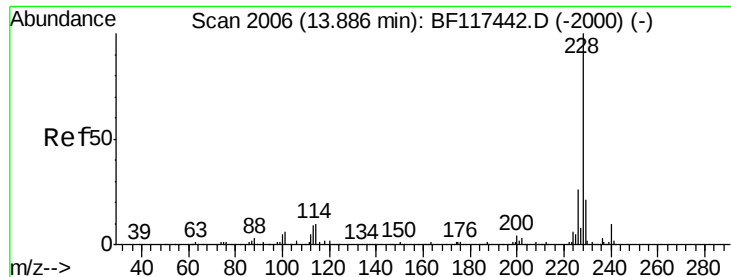
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#79
Terphenyl-d14
Concen: 64.272 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	13.4	11.8	17.8





#81

Benzo(a)anthracene

Concen: 8.399 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

Instrument :

BNA_F

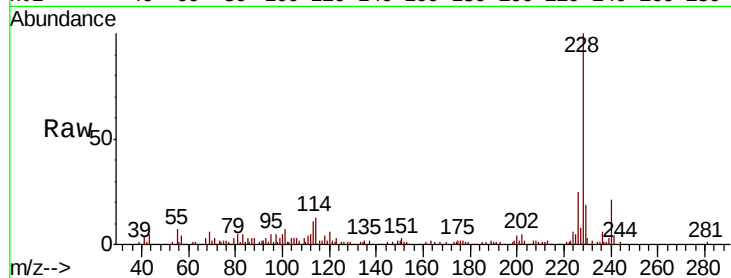
ClientSampleId :

180-92-(0-2)

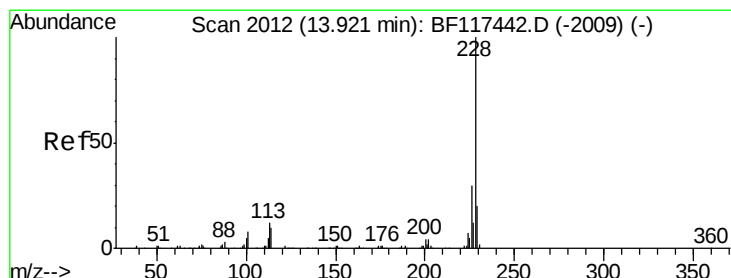
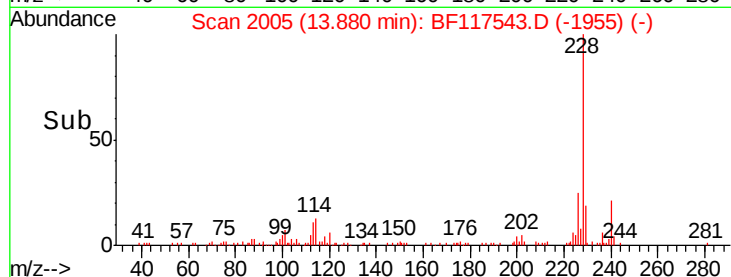
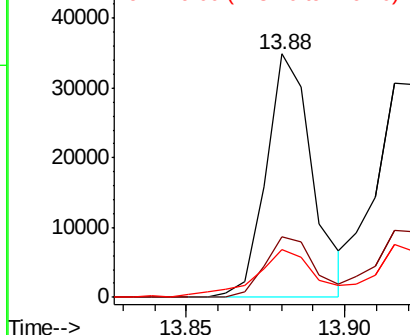
Tot Ion:	228	Resp:	35573
Ion Ratio	Lower	Upper	
228	100		
226	24.7	21.0	31.4
229	19.5	16.4	24.6

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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



#83

Chrysene

Concen: 9.118 ng m

RT: 13.92 min Scan# 2011

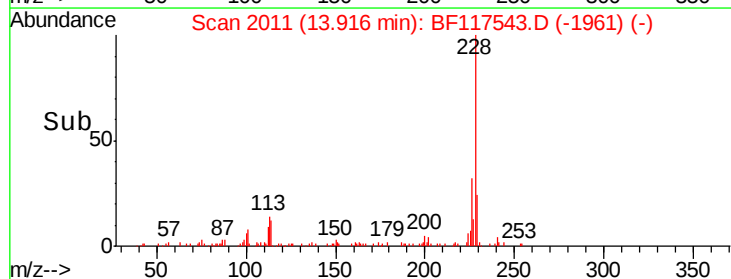
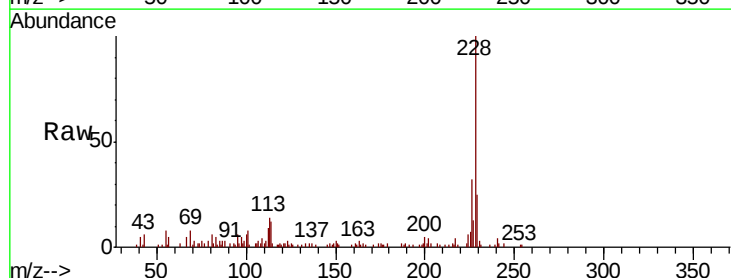
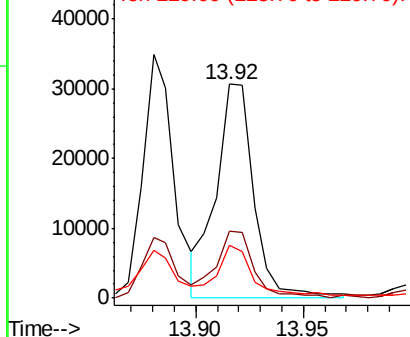
Delta R.T. -0.01 min

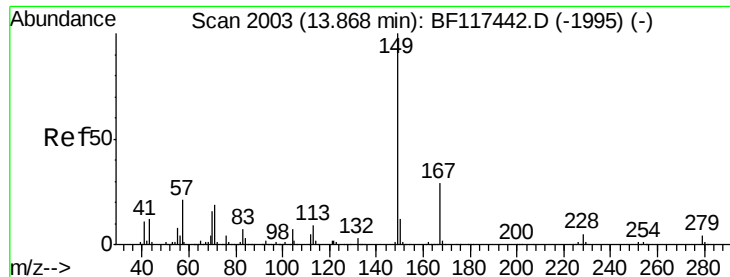
Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

Tgt Ion:	228	Resp:	37850
Ion Ratio	Lower	Upper	
228	100		
226	31.5	23.9	35.9
229	24.7	15.8	23.6#

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.256 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

Instrument :

BNA_F

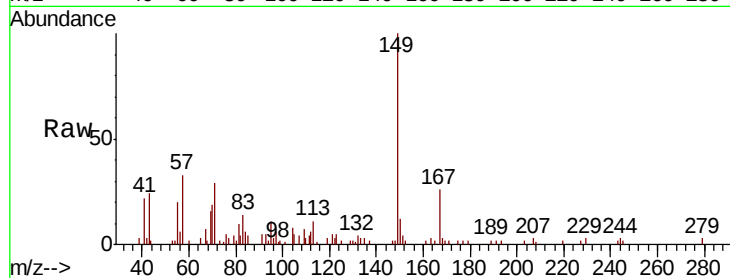
ClientSampleId :

180-92-(0-2)

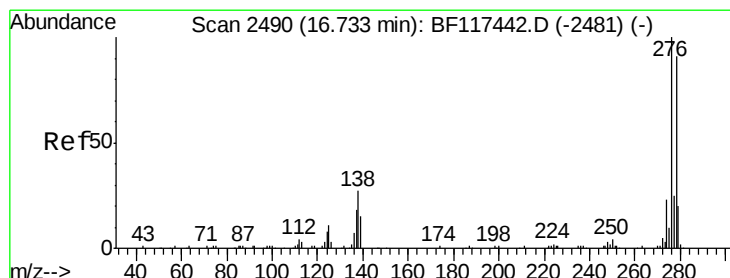
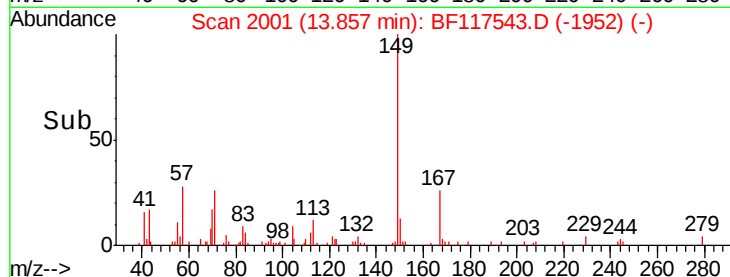
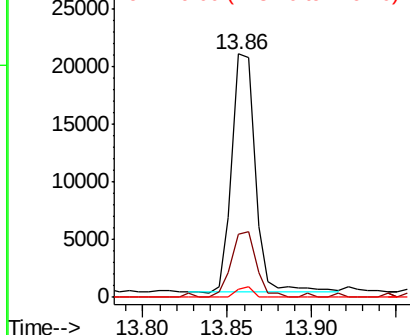
Tot Ion:	149	Resp:	19762
Ion Ratio	Lower	Upper	
149	100		
167	25.7	23.3	34.9
279	3.4	3.2	4.8

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.243 ng

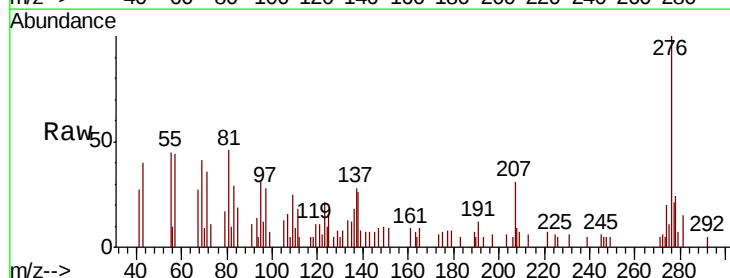
RT: 16.75 min Scan# 2493

Delta R.T. 0.02 min

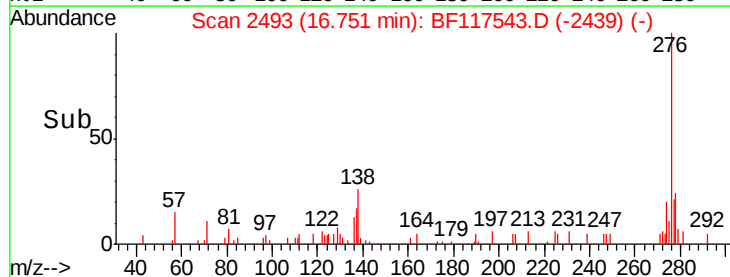
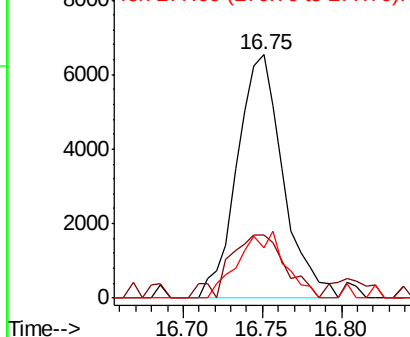
Lab File: BF117543.D

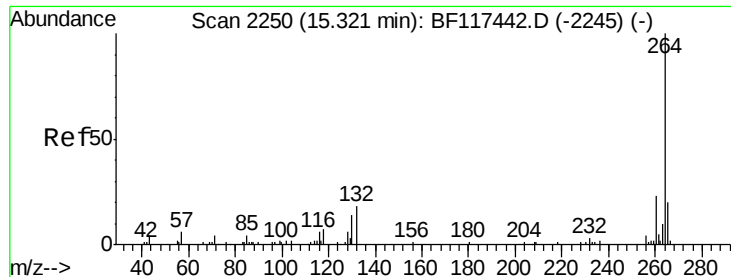
Acq: 25 Oct 2019 18:26

Tgt Ion:	276	Resp:	13150
Ion Ratio	Lower	Upper	
276	100		
138	31.9	21.8	32.8
277	27.4	20.0	30.0



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: 15.33 min Scan# 2251

Delta R.T. 0.01 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

Instrument :

BNA_F

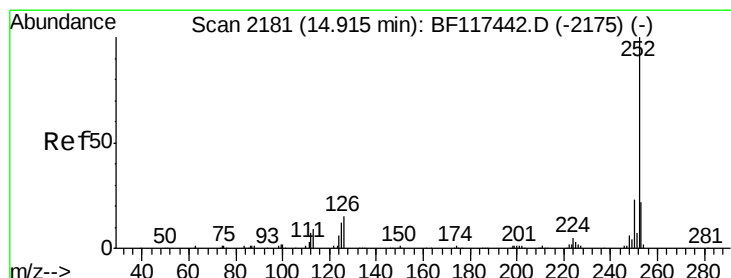
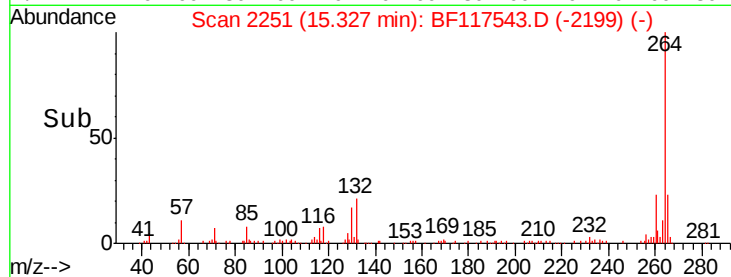
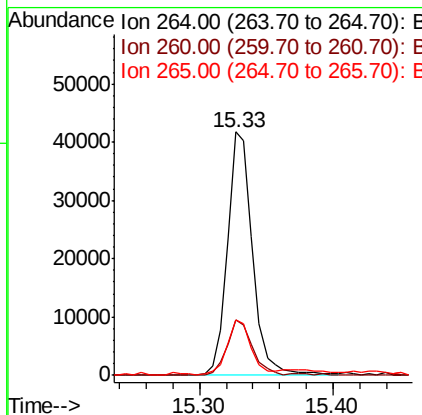
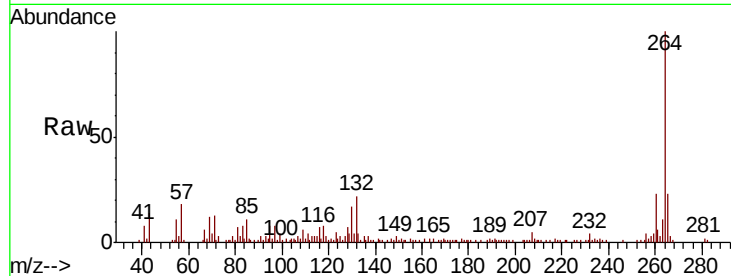
ClientSampleId :

180-92-(0-2)

Tot Ion:	264	Resp:	55413
Ion Ratio	Lower	Upper	
264	100		
260	22.6	18.4	27.6
265	22.9	16.1	24.1

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#88

Benzo(b)fluoranthene

Concen: 12.363 ng m

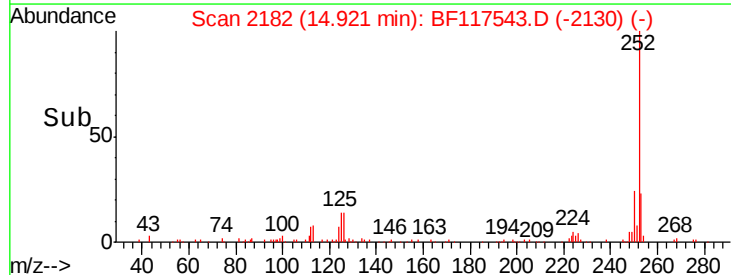
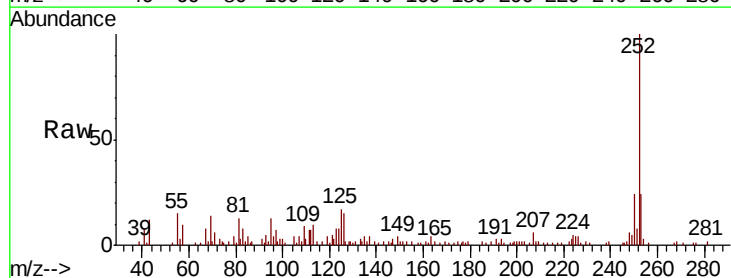
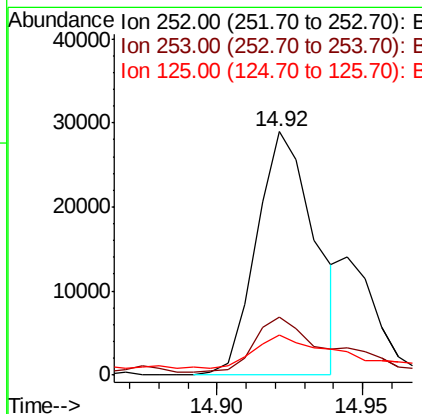
RT: 14.92 min Scan# 2182

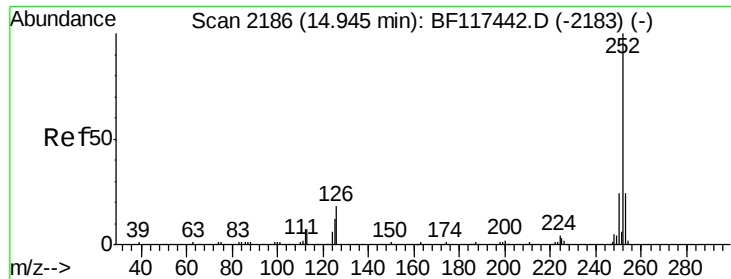
Delta R.T. 0.01 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

Tgt Ion:	252	Resp:	40455
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.8	26.6
125	16.5	9.9	14.9#





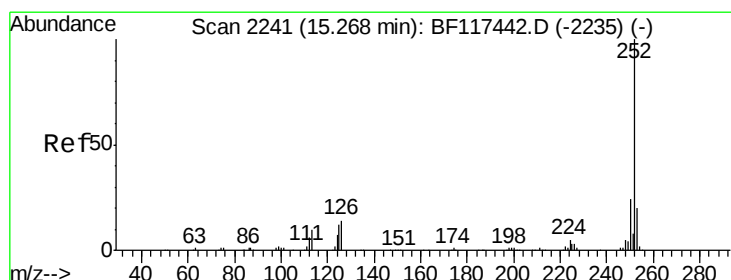
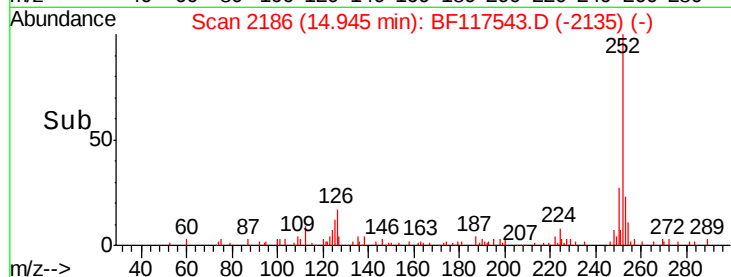
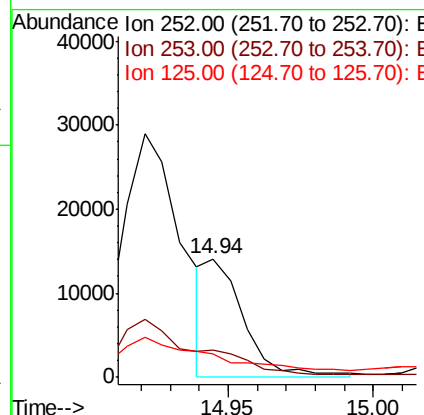
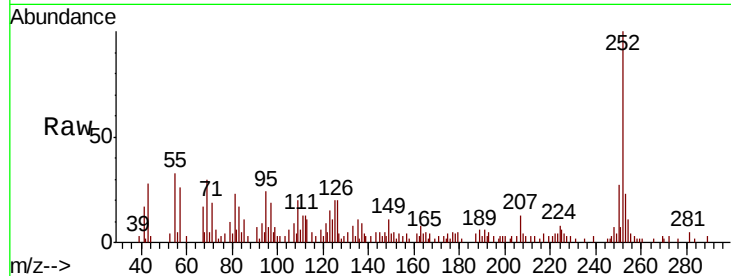
#89
Benzo(k)fluoranthene
Concen: 3.878 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
180-92-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	20.0	8.9	13.3

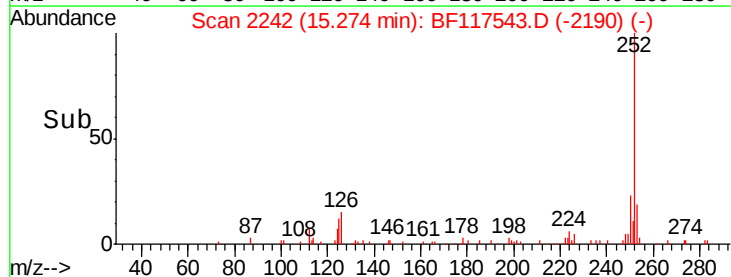
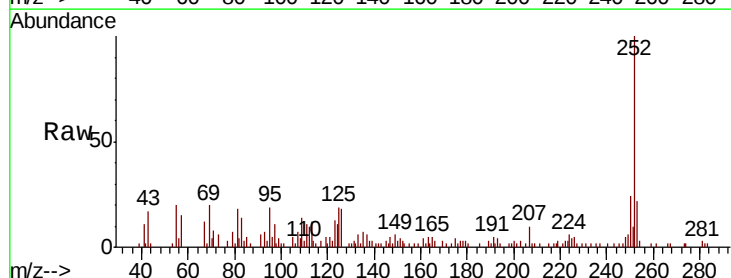
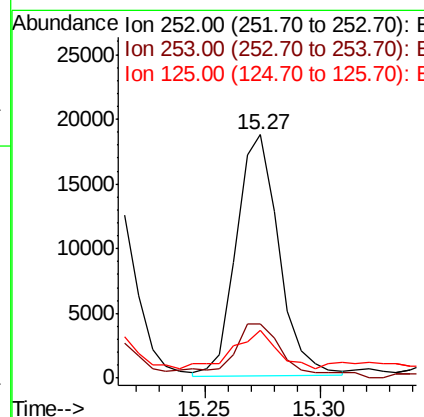
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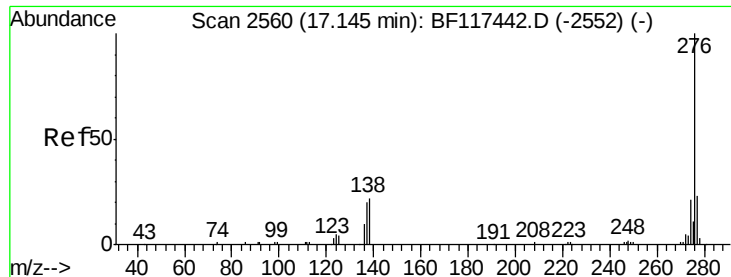
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#90
Benzo(a)pyrene
Concen: 8.078 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.3	24.5
125	19.5	9.2	13.8





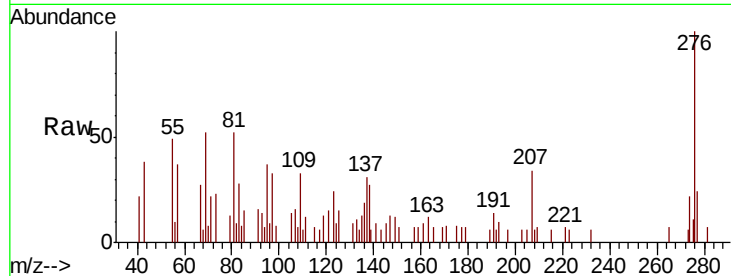
#92
 Benzo(a,h,i)perylene
 Concen: 4.824 ng
 RT: 17.17 min Scan# 2565
 Delta R.T. 0.03 min
 Lab File: BF117543.D
 Acq: 25 Oct 2019 18:26

Instrument :
 BNA_F
 ClientSampleId :
 180-92-(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.4	27.6
138	27.5	17.8	26.6

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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

