

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117594.D
 Acq On : 29 Oct 2019 16:44
 Operator : JU
 Sample : K5540-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 157-72-(0-1.1)

Manual Integrations
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 10/30/2019 4:53:05 PM

Quant Time: Oct 30 13:06:23 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	40998	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	150315	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	61596	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	83124	20.00	ng	0.00
76) Chrysene-d12	13.89	240	70823	20.00	ng	0.00
87) Perylene-d12	15.33	264	58806	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	256665	93.14	ng	0.00
7) Phenol-d6	6.39	99	334311	90.32	ng	0.00
23) Nitrobenzene-d5	7.29	82	228903	75.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	41588	78.03	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	269202	61.58	ng	-0.01
79) Terphenyl-d14	12.83	244	174657	40.23	ng	0.00
Target Compounds						
10) Phenol	6.40	94	14932	3.953	ng	Qvalue 92
50) Dimethylphthalate	9.48	163	50008	11.388	ng	98
71) Phenanthrene	11.27	178	30570	6.334	ng	98
75) Fluoranthene	12.46	202	67085	13.884	ng	98
78) Pyrene	12.69	202	61666	10.137	ng	99
81) Benzo(a)anthracene	13.88	228	31711	6.638	ng	97
83) Chrysene	13.92	228	32099	6.856	ng	98
84) Bis(2-ethylhexyl)phthalate	13.86	149	94633	22.316	ng	# 94
85) Di-n-octyl phthalate	14.47	149	28940	4.439	ng	# 61
86) Indeno(1,2,3-cd)pyrene	16.76	276	10651	3.047	ng	96
88) Benzo(b)fluoranthene	14.93	252	28558m	8.224	ng	
89) Benzo(k)fluoranthene	14.94	252	12397m	3.483	ng	
90) Benzo(a)pyrene	15.28	252	20660	6.544	ng	# 91
92) Benzo(a,h,i)perylene	17.19	276	9417	3.646	ng	# 82

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

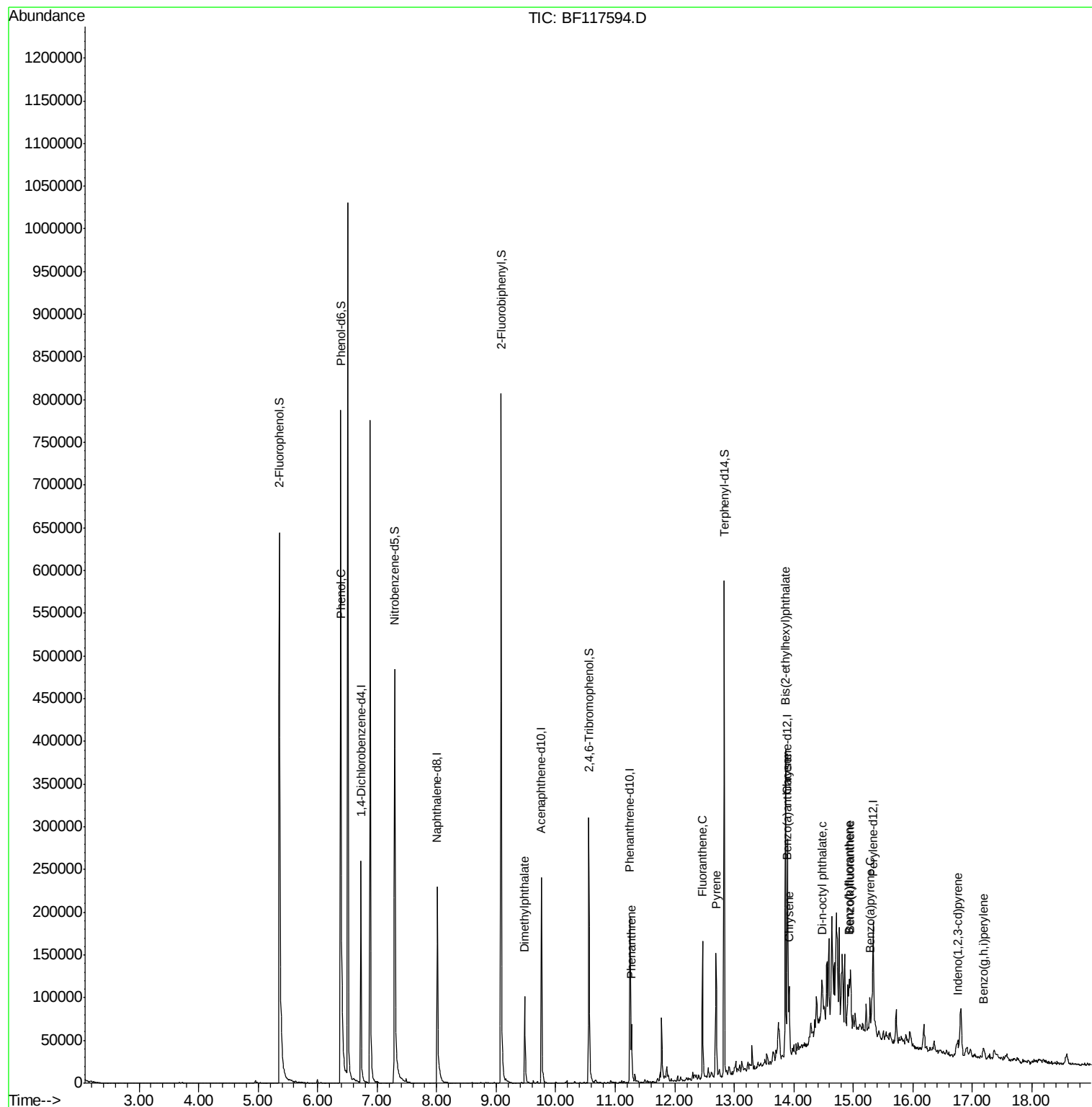
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117594.D
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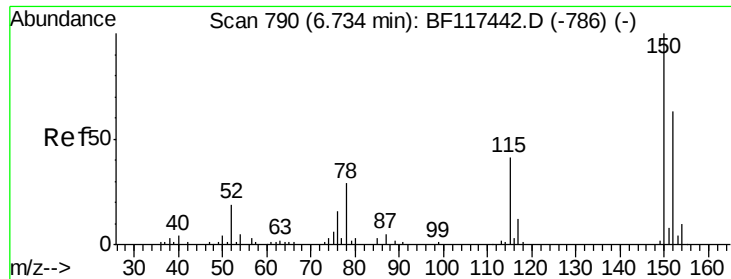
Instrument :
BNA_F
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157-72-(0-1.1)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
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#1

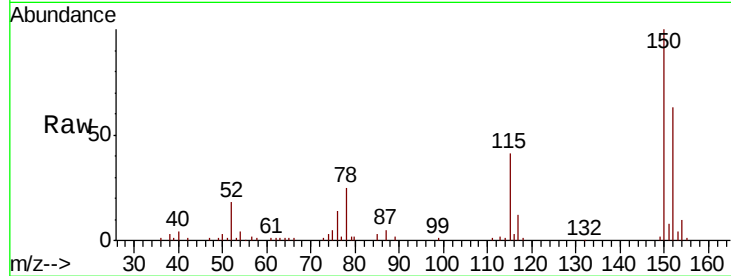
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF117594.D
 Acq: 29 Oct 2019 16:44

Instrument :
 BNA_F
 ClientSampleId :
 157-72-(0-1.1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	126.8	190.2
115	64.8	51.6	77.4

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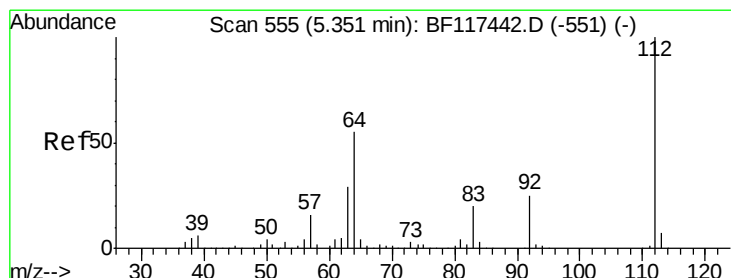
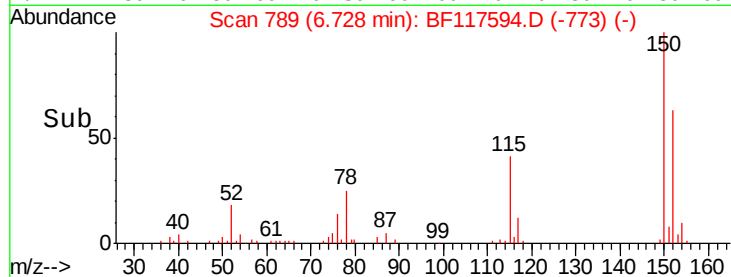
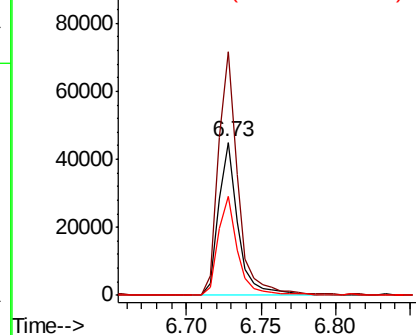


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

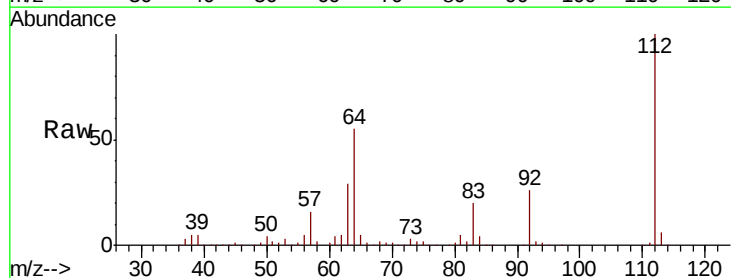
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 93.137 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF117594.D
 Acq: 29 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	44.1	66.1
63	29.4	23.4	35.2

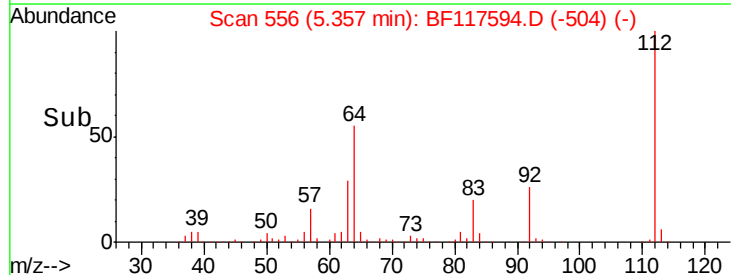
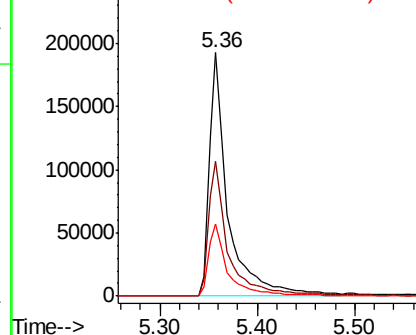


Abundance

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: 90.322 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

Instrument :

BNA_F

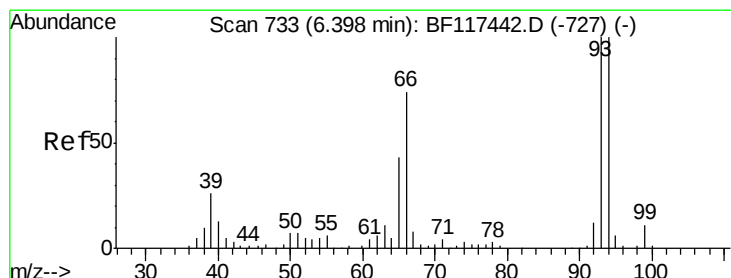
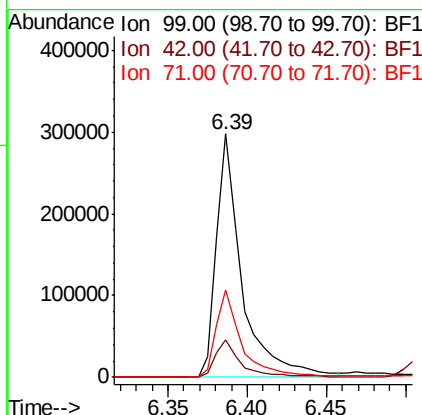
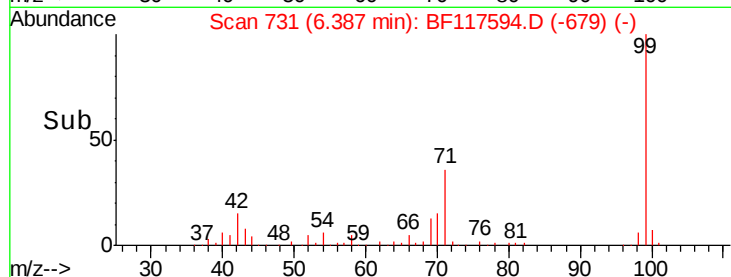
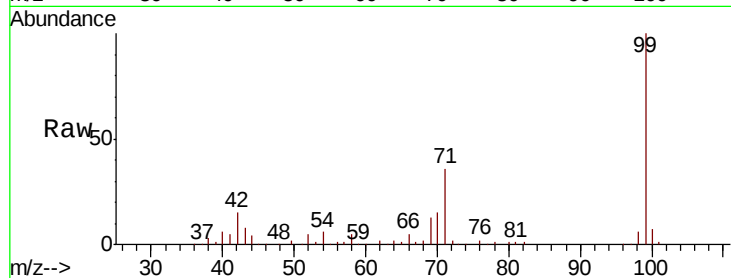
ClientSampleId :

157-72-(0-1.1)

Tot Ion:	99	Resp:	334311
Ion Ratio	Lower	Upper	
99	100		
42	15.3	12.8	19.2
71	36.2	28.6	43.0

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#10

Phenol

Concen: 3.953 ng

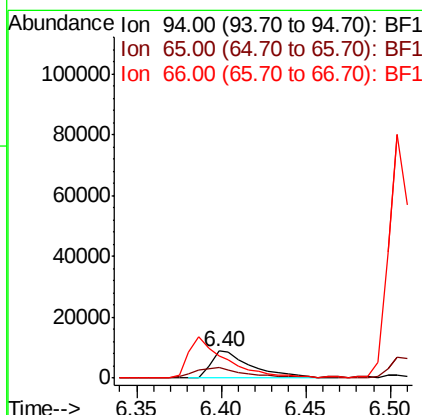
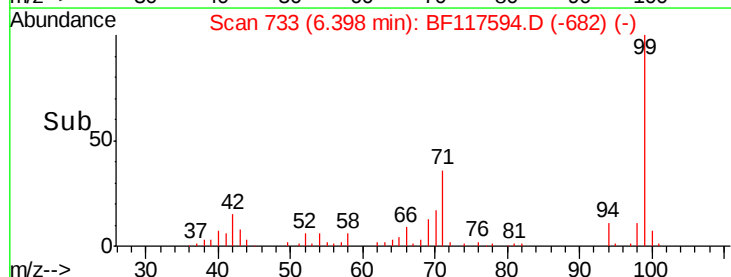
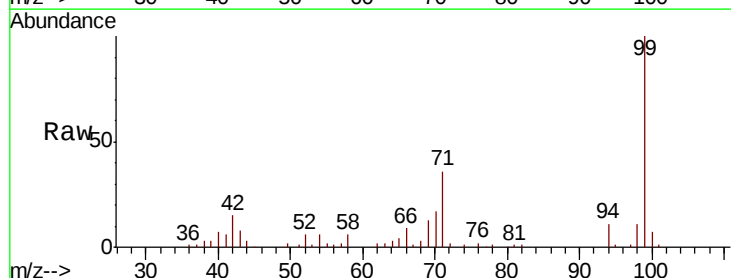
RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

Tgt Ion:	94	Resp:	14932
Ion Ratio	Lower	Upper	
94	100		
65	37.7	23.4	63.4
66	80.9	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: BF117594.D

Acq: 29 Oct 2019 16:44

Instrument :

BNA_F

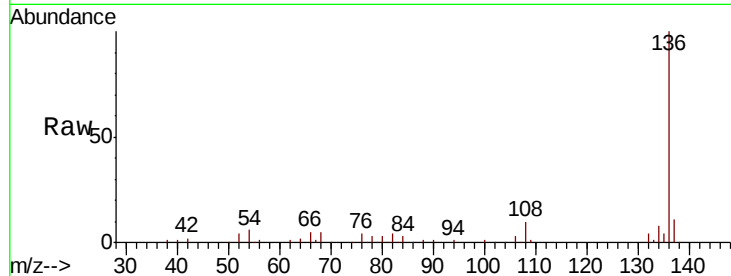
ClientSampleId :

157-72-(0-1.1)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	150315		
137	11.1	8.2	12.4	
54	5.8	4.5	6.7	
68	4.8	4.3	6.5	

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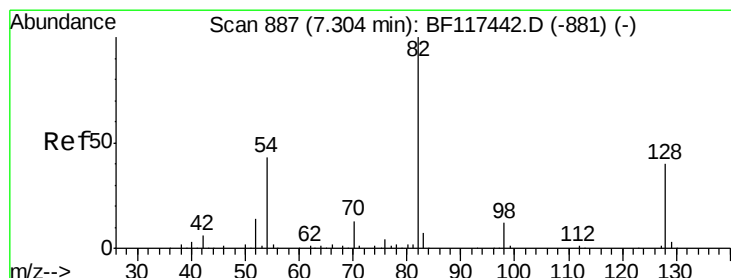
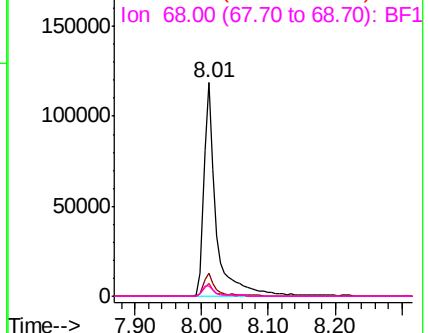
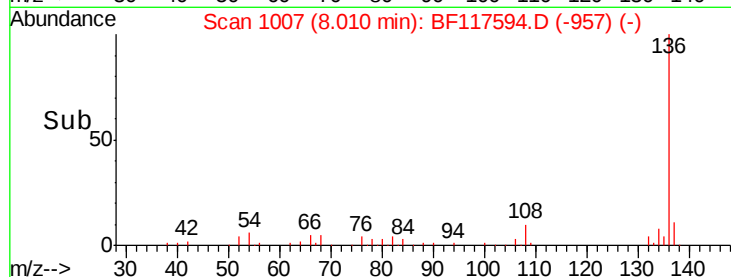


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.178 ng

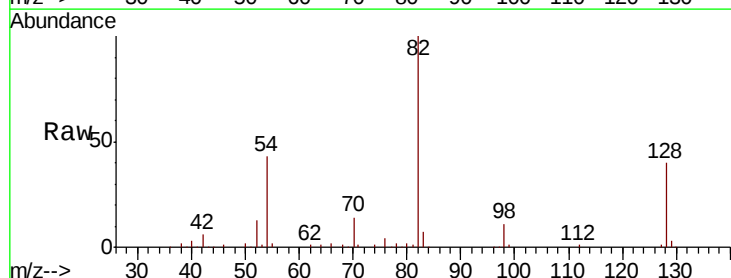
RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

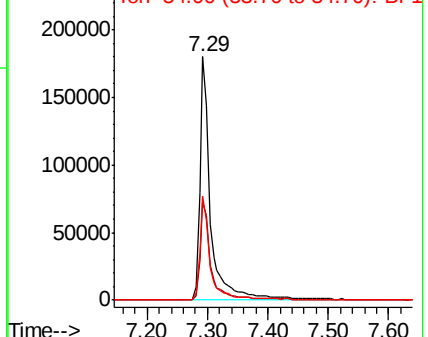
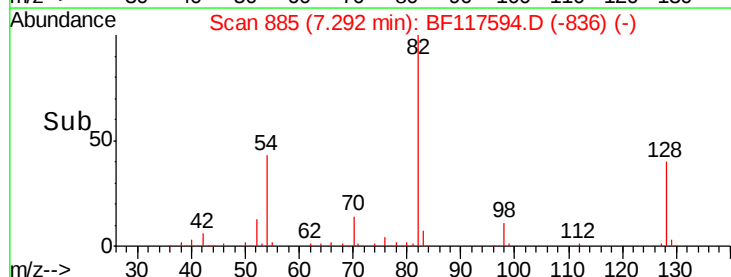
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	228903		
128	40.1	32.2	48.2	
54	42.9	34.2	51.2	

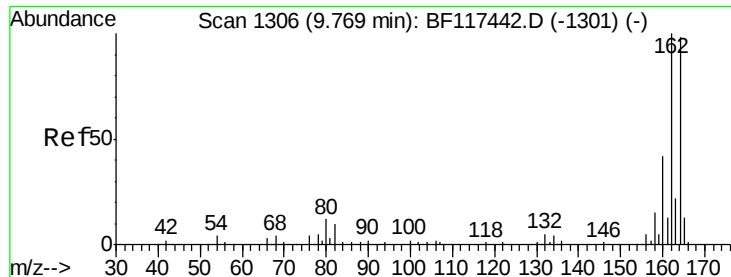


Abundance Ion 82.00 (81.70 to 82.70): BF1

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# 1304

Delta R.T. -0.01 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

Instrument :

BNA_F

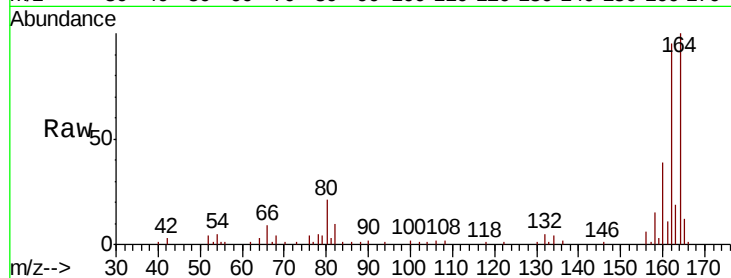
ClientSampleId :

157-72-(0-1.1)

Tot Ion:	164	Resp:	61596
Ion Ratio	Lower	Upper	
164	100		
162	94.8	81.8	122.6
160	38.7	34.4	51.6

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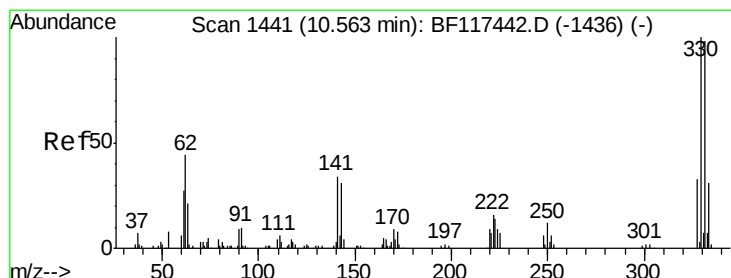
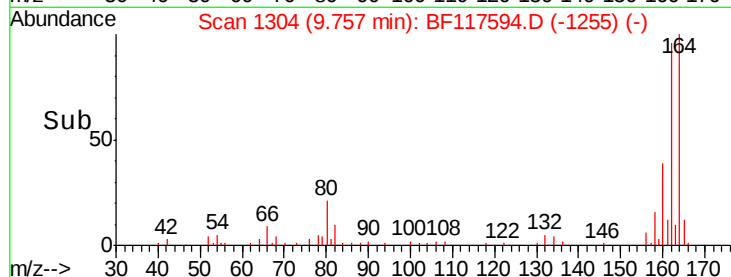
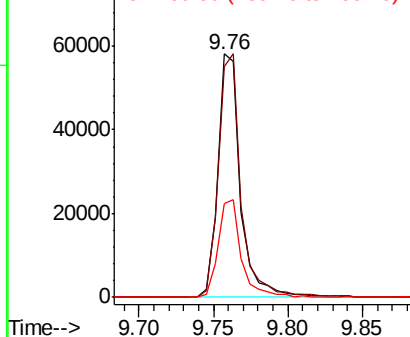


Abundance

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: 78.032 ng

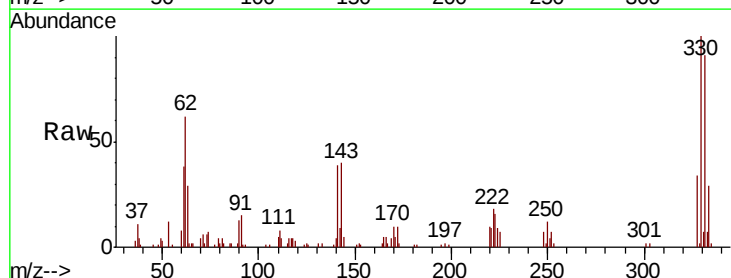
RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

Tgt Ion:	330	Resp:	41588
Ion Ratio	Lower	Upper	
330	100		
332	95.6	78.5	117.7
141	44.6	37.0	55.6

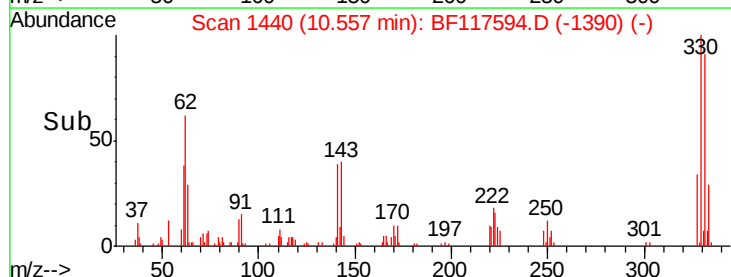
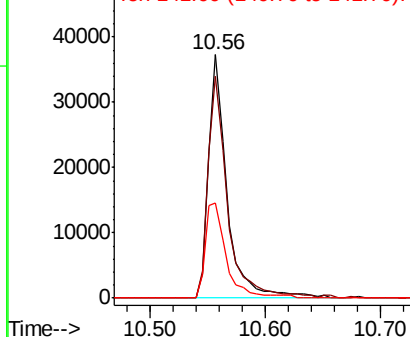


Abundance

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





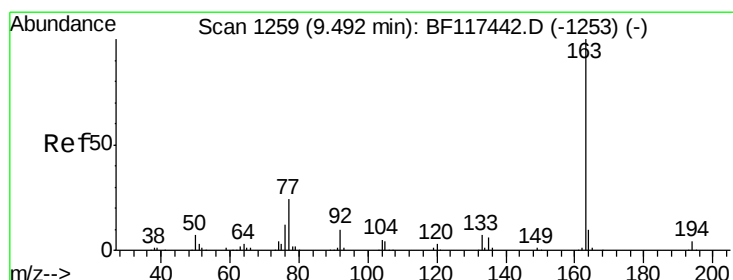
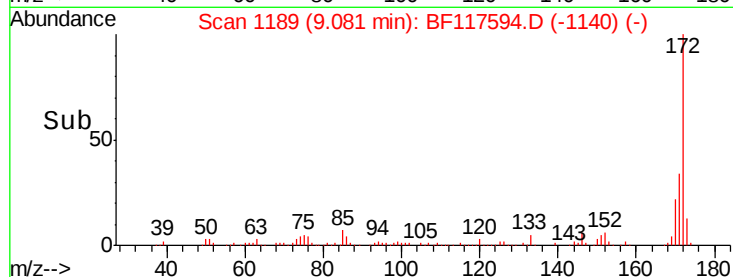
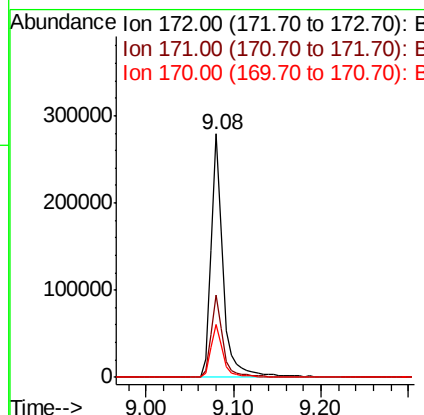
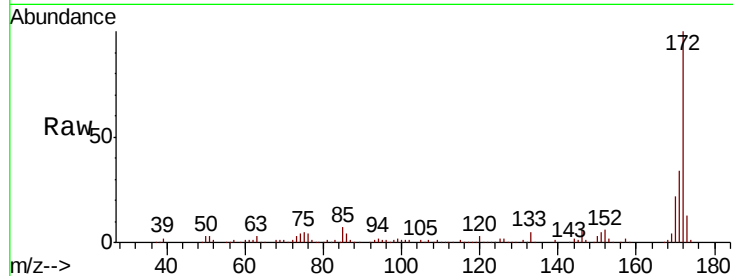
#45
2-Fluorobiphenyl
Concen: 61.579 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Instrument :
BNA_F
ClientSampleId :
157-72-(0-1.1)

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.5	41.3
170	22.0	18.6	27.8

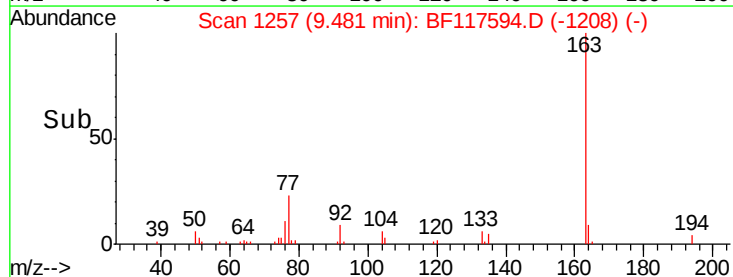
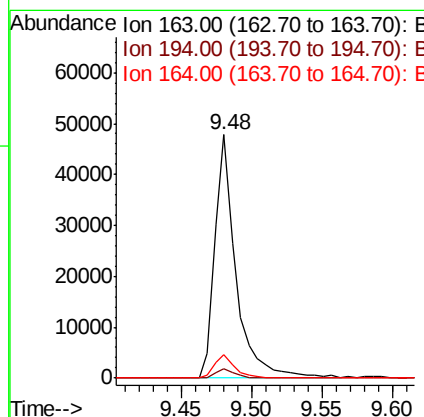
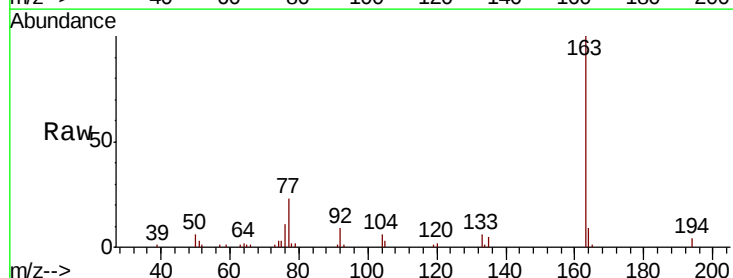
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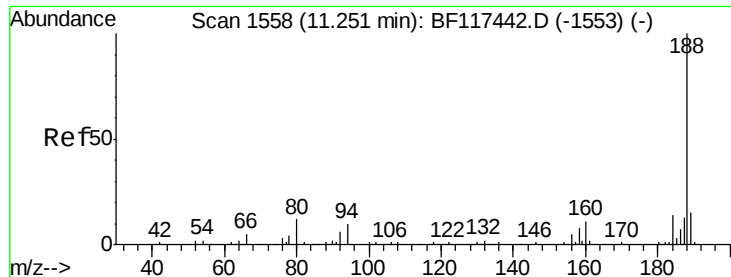
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#50
Dimethylphthalate
Concen: 11.388 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.9	4.3
164	9.4	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: BF117594.D

Acq: 29 Oct 2019 16:44

Instrument :

BNA_F

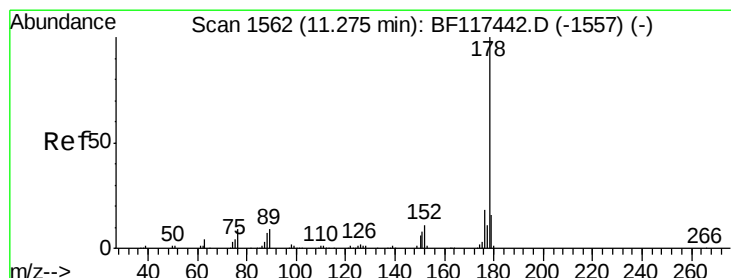
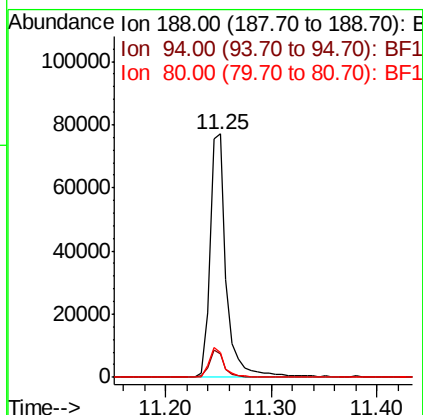
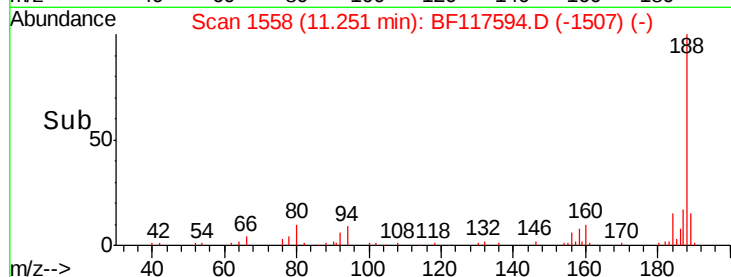
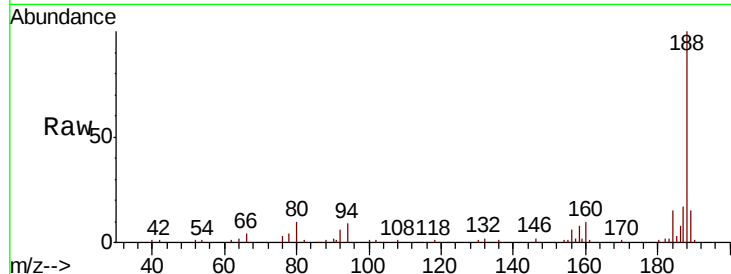
ClientSampleId :

157-72-(0-1.1)

Tot Ion:	188	Resp:	83124
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.0	12.0
80	10.1	9.5	14.3

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#71

Phenanthrene

Concen: 6.334 ng

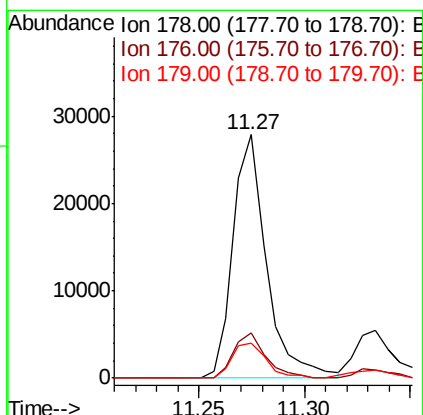
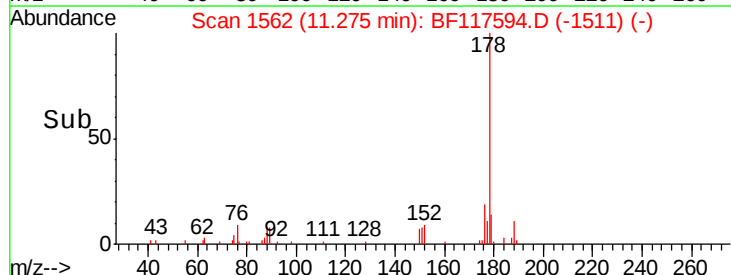
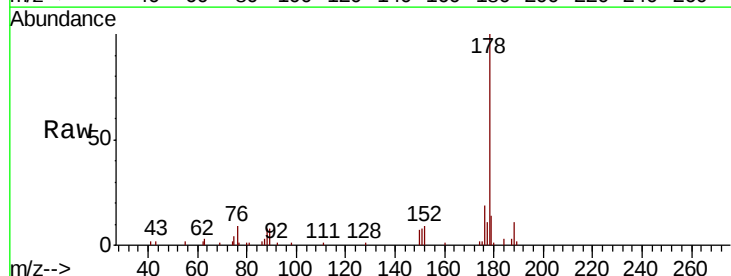
RT: 11.27 min Scan# 1562

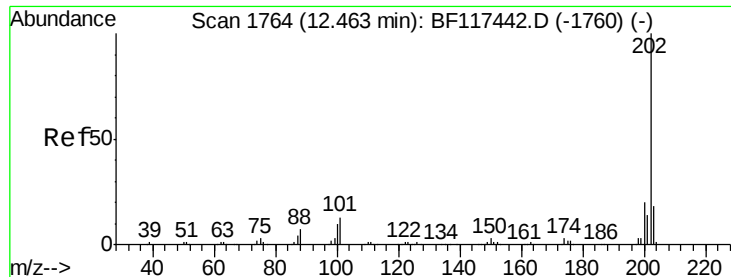
Delta R.T. 0.00 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

Tgt Ion:	178	Resp:	30570
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.6	22.0
179	14.1	12.6	19.0





#75

Fluoranthene

Concen: 13.884 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

Instrument :

BNA_F

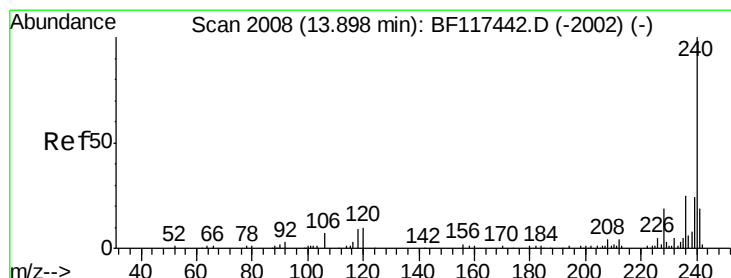
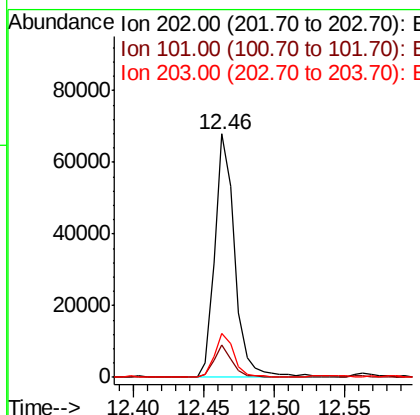
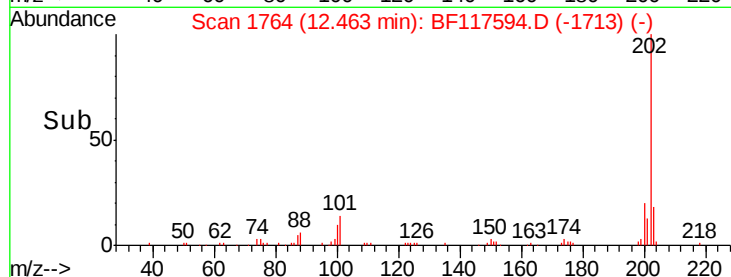
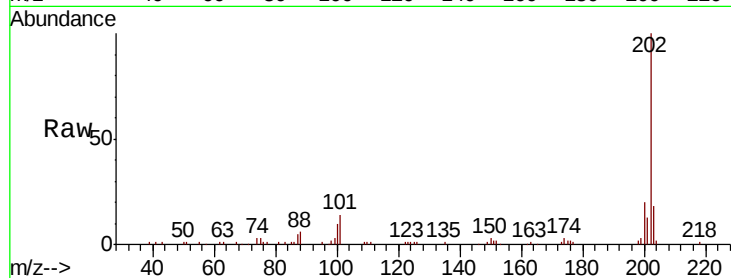
ClientSampleId :

157-72-(0-1.1)

Tot Ion:	202	Resp:	67085
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	32.7
203	18.2	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

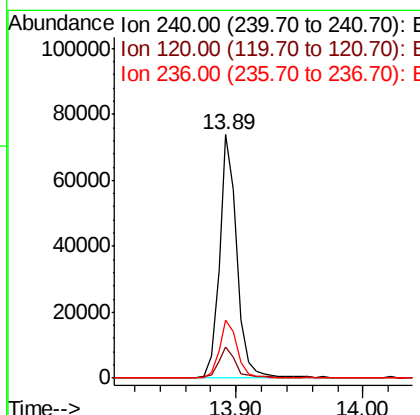
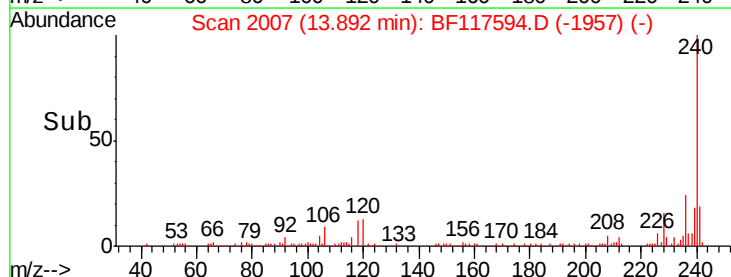
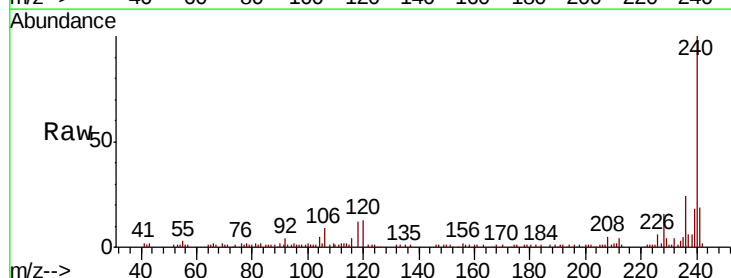
RT: 13.89 min Scan# 2007

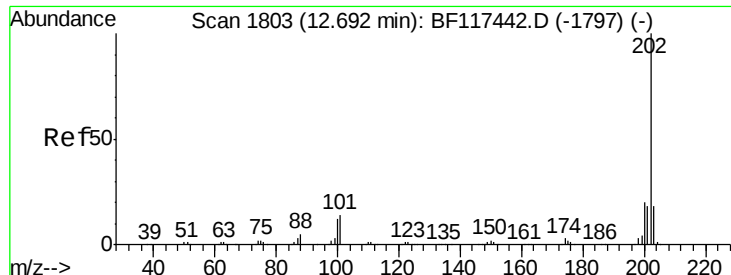
Delta R.T. -0.01 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

Tgt Ion:	240	Resp:	70823
Ion Ratio	Lower	Upper	
240	100		
120	12.9	8.4	12.6#
236	23.6	20.0	30.0





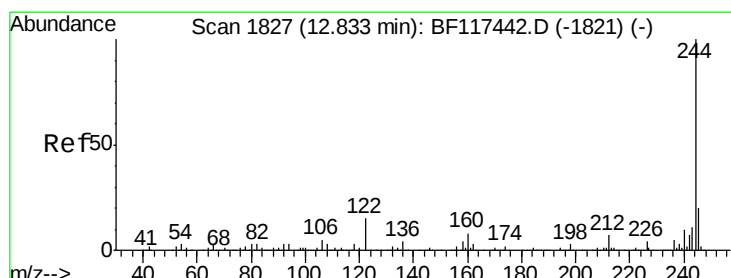
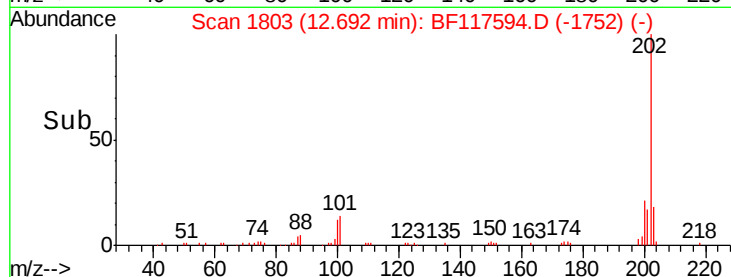
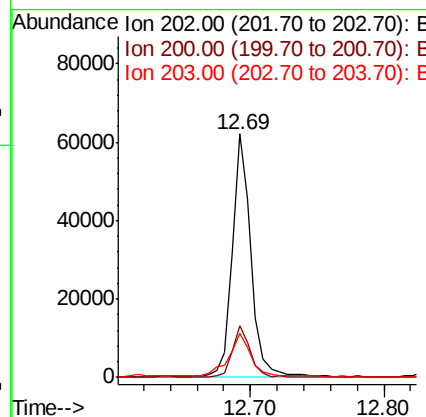
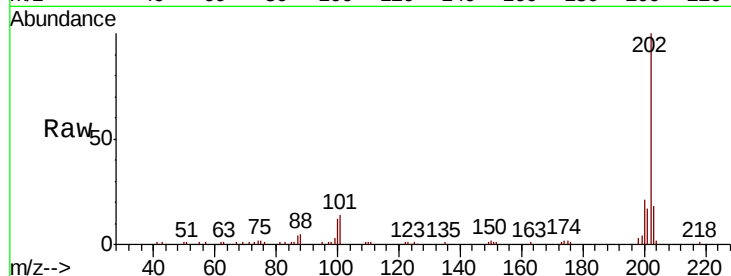
#78
Pvrene
Concen: 10.137 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Instrument :
BNA_F
ClientSampleId :
157-72-(0-1.1)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.2	24.2
203	18.1	14.0	21.0

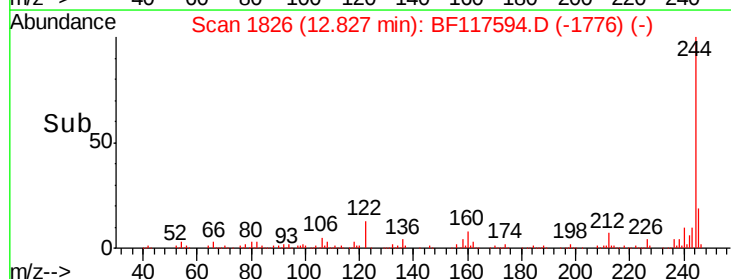
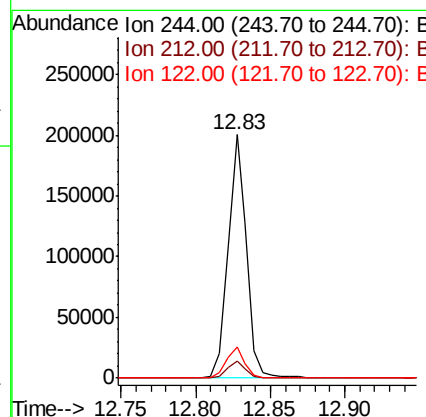
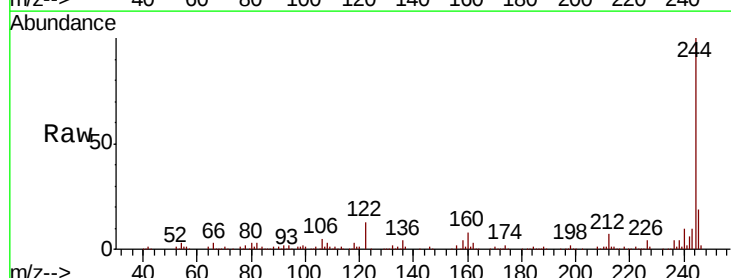
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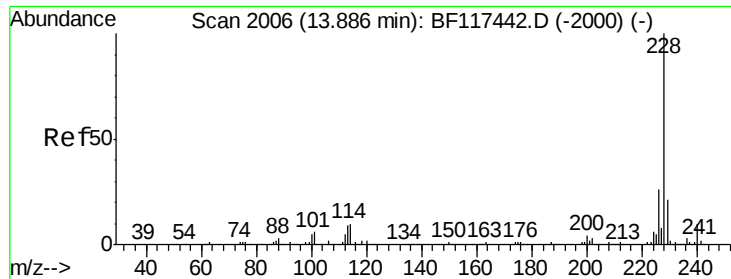
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#79
Terphenyl-d14
Concen: 40.225 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	12.8	11.8	17.8





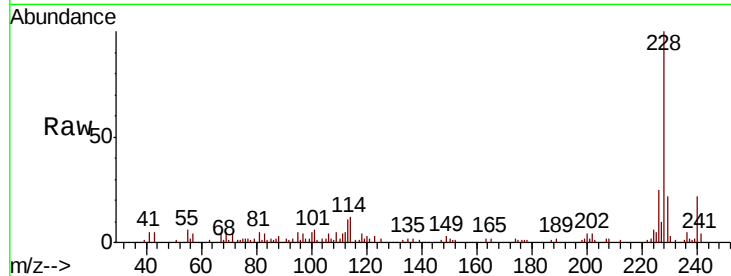
#81
Benzo(a)anthracene
Concen: 6.638 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Instrument :
BNA_F
ClientSampleId :
157-72-(0-1.1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	24.9	21.0	31.4
229	21.8	16.4	24.6

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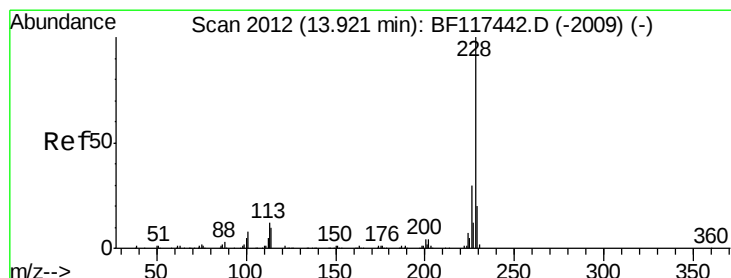
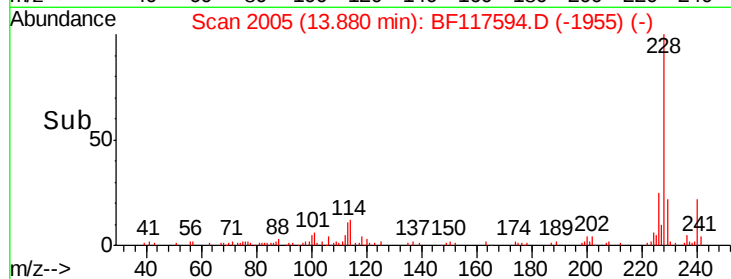
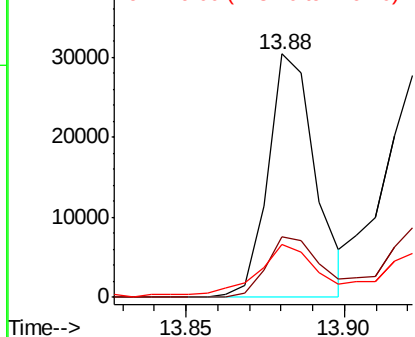


Abundance

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: 6.856 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

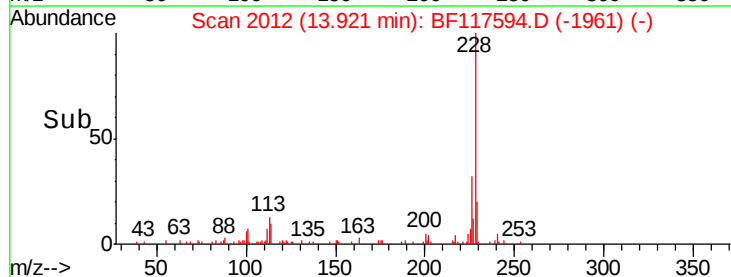
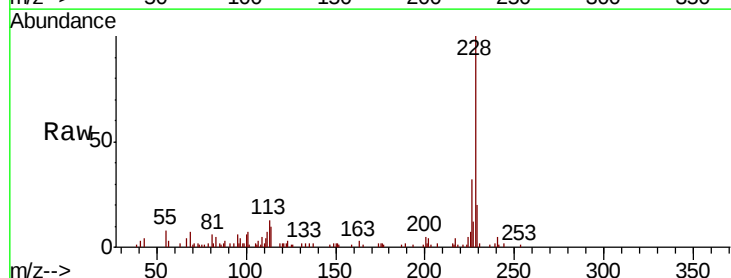
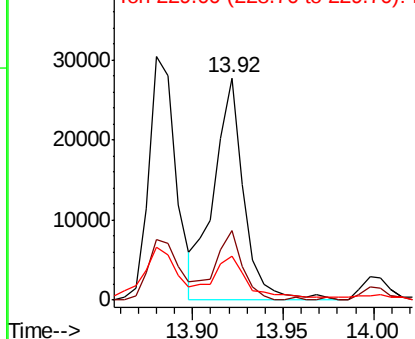
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.9	35.9
229	19.6	15.8	23.6

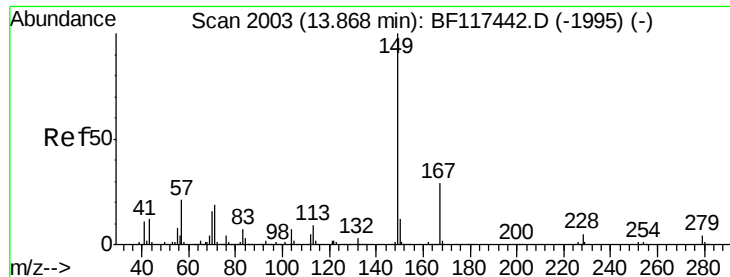
Abundance

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: 22.316 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

Instrument :

BNA_F

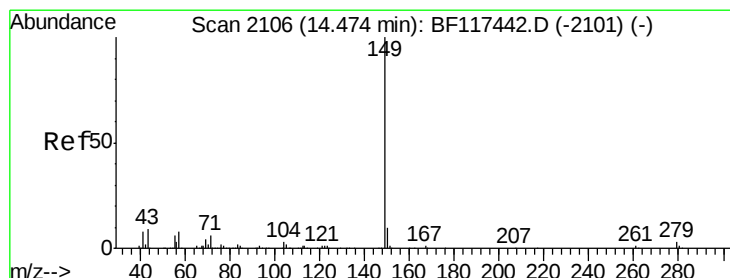
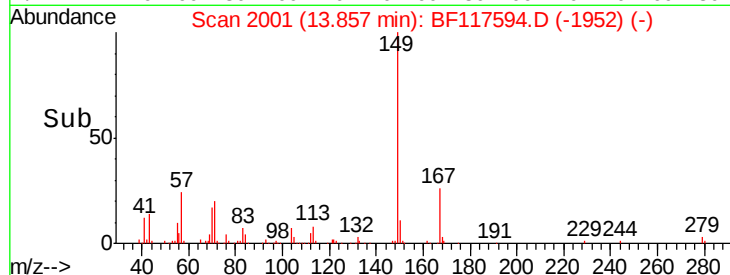
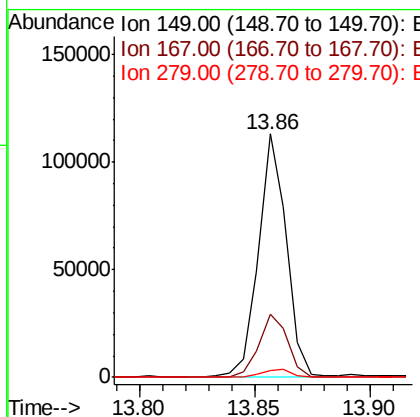
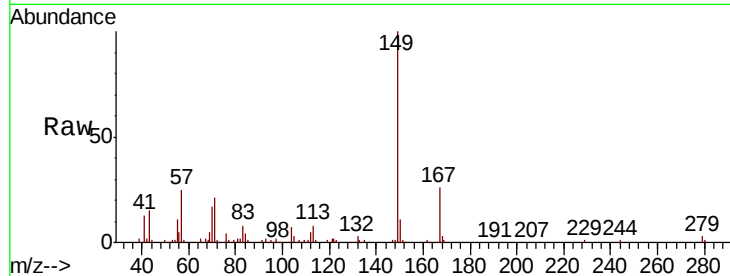
ClientSampleId :

157-72-(0-1.1)

Tot Ion:	149	Resp:	94633
Ion Ratio	Lower	Upper	
149	100		
167	25.7	23.3	34.9
279	2.9	3.2	4.8#

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#85

Di-n-octyl phthalate

Concen: 4.439 ng

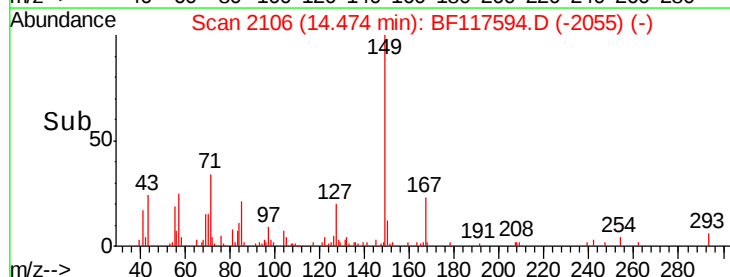
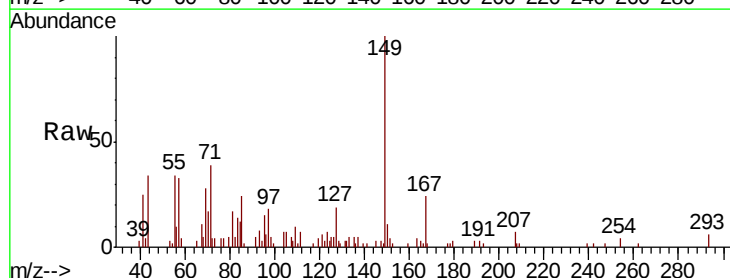
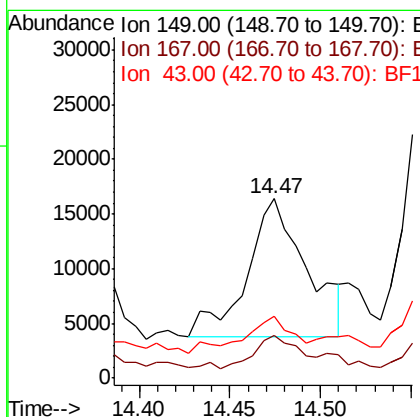
RT: 14.47 min Scan# 2106

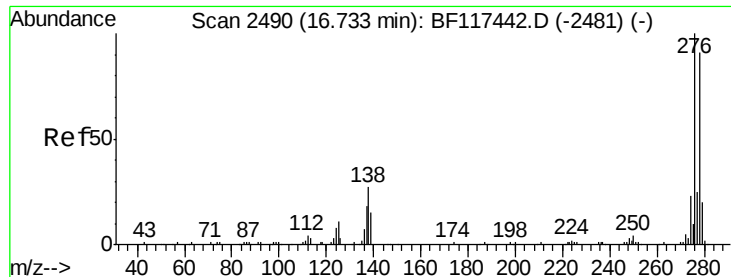
Delta R.T. 0.00 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

Tgt Ion:	149	Resp:	28940
Ion Ratio	Lower	Upper	
149	100		
167	23.8	1.2	1.8#
43	21.2	6.8	10.2#





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.047 ng

RT: 16.76 min Scan# 2495

Delta R.T. 0.03 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

Instrument :

BNA_F

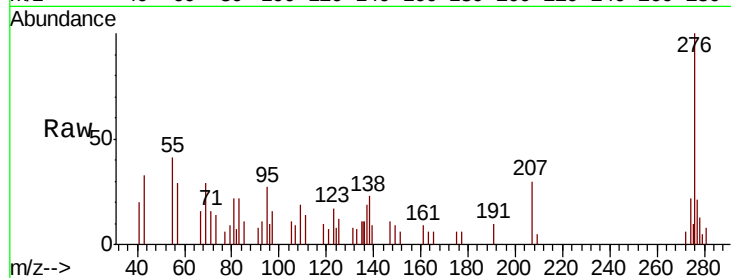
ClientSampleId :

157-72-(0-1.1)

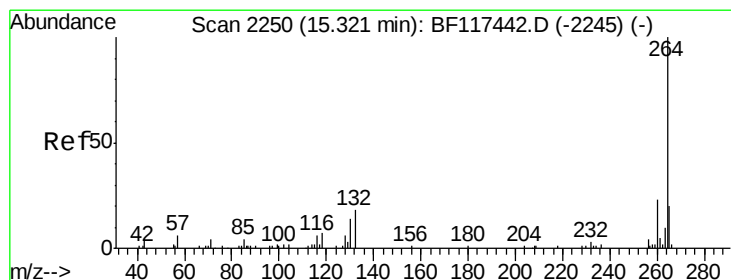
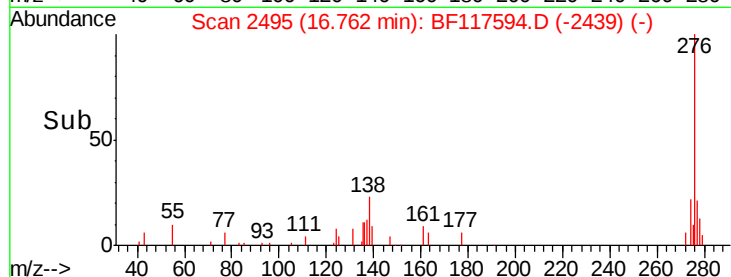
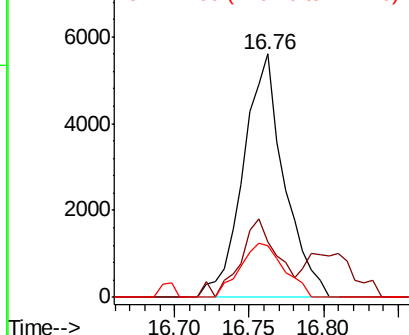
Tot Ion:	276	Resp:	10651
Ion Ratio	Lower	Upper	
276	100		
138	29.7	21.8	32.8
277	23.8	20.0	30.0

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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

Perylene-d12

Concen: 20.000 ng

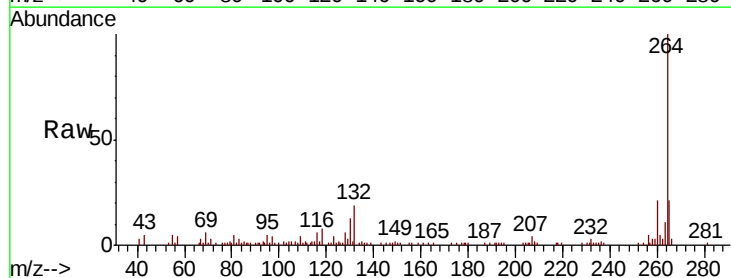
RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

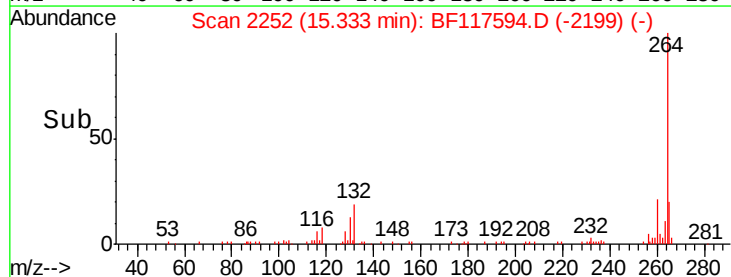
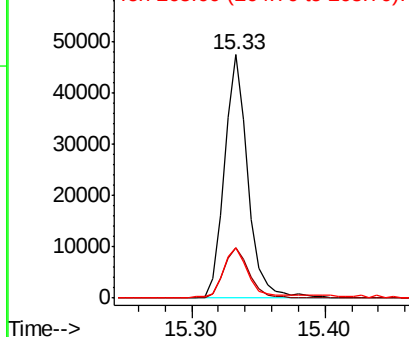
Lab File: BF117594.D

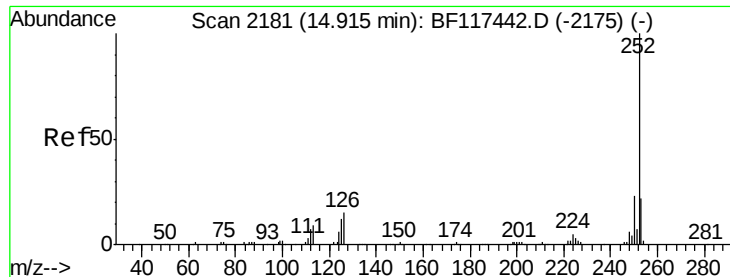
Acq: 29 Oct 2019 16:44

Tgt Ion:	264	Resp:	58806
Ion Ratio	Lower	Upper	
264	100		
260	20.9	18.4	27.6
265	20.6	16.1	24.1



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





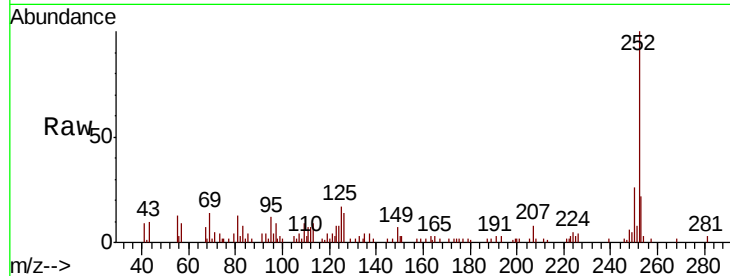
#88
Benzo(b)fluoranthene
Concen: 8.224 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Instrument :
BNA_F
ClientSampleId :
157-72-(0-1.1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	16.9	9.9	14.9#

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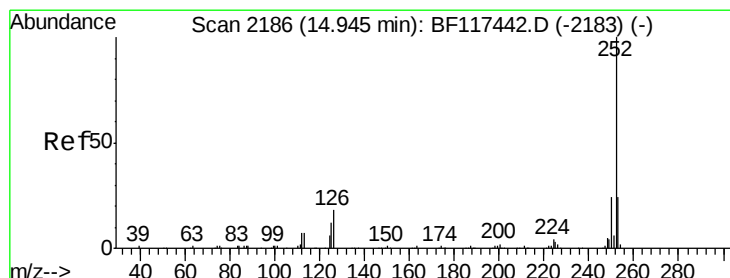
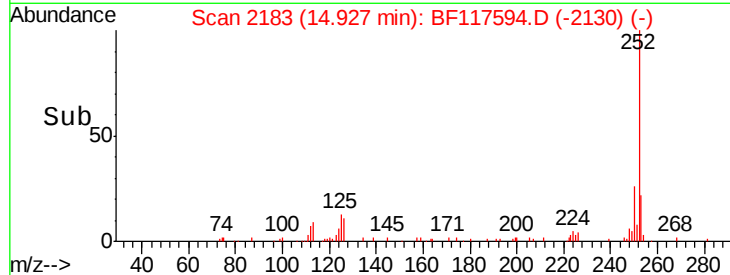
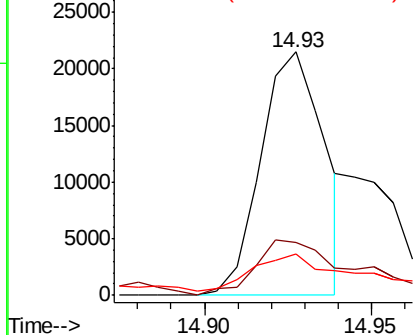


Abundance

Ion 252.00 (251.70 to 252.70): E

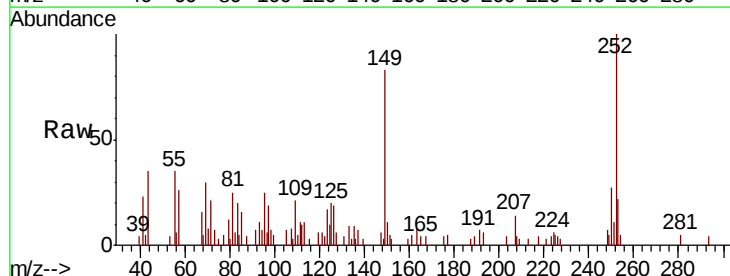
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.483 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	19.8	8.9	13.3#

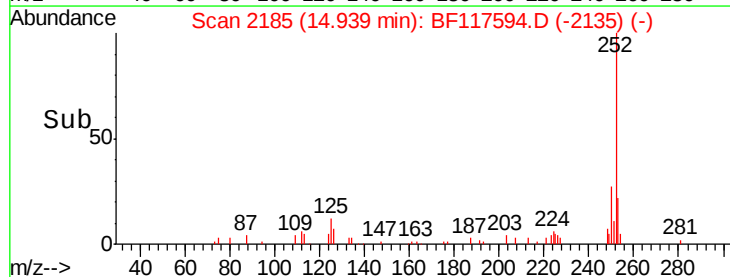
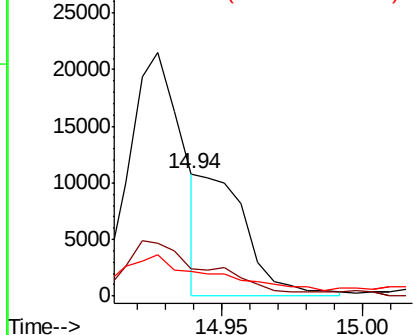


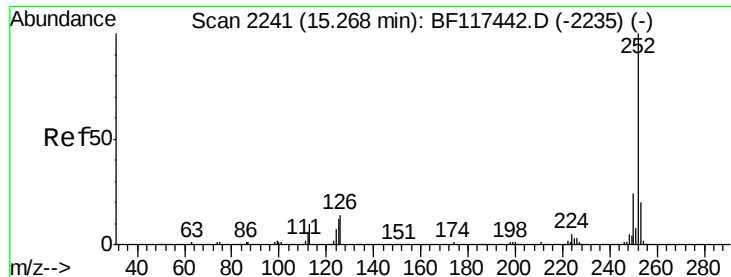
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





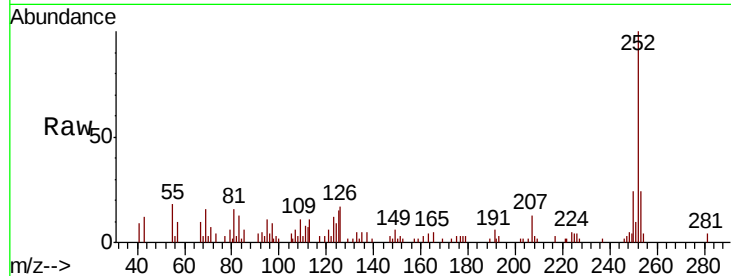
#90
Benzo(a)pyrene
Concen: 6.544 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Instrument :
BNA_F
ClientSampleId :
157-72-(0-1.1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	16.3	24.5
125	15.2	9.2	13.8

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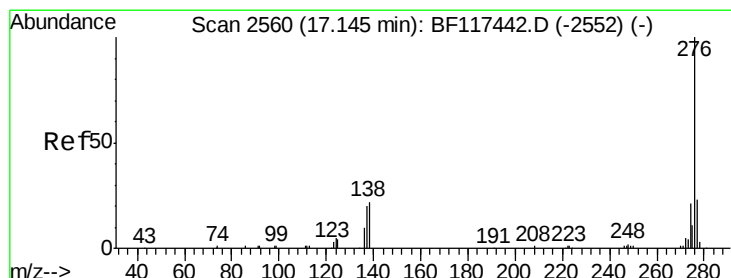
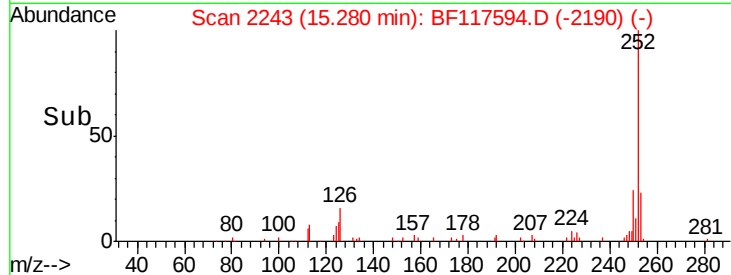
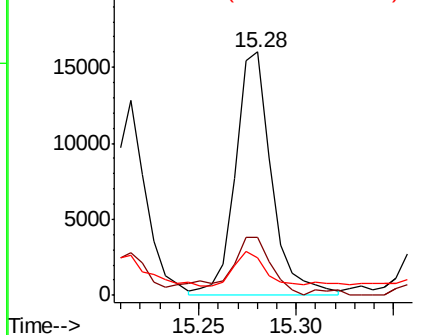


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.646 ng
RT: 17.19 min Scan# 2567
Delta R.T. 0.04 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.6	18.4	27.6
138	31.9	17.8	26.6

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

