

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117875.D
 Acq On : 19 Nov 2019 22:25
 Operator : JU
 Sample : K5665-01 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-111419

Manual Integrations
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 11/20/2019 1:49:45 PM

Quant Time: Nov 20 01:45:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	176873	20.00	ng	-0.01
21) Naphthalene-d8	8.21	136	614719	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	321495	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	523370	20.00	ng	-0.01
76) Chrysene-d12	14.11	240	391370	20.00	ng	0.00
87) Perylene-d12	15.62	264	299342	20.00	ng	0.00

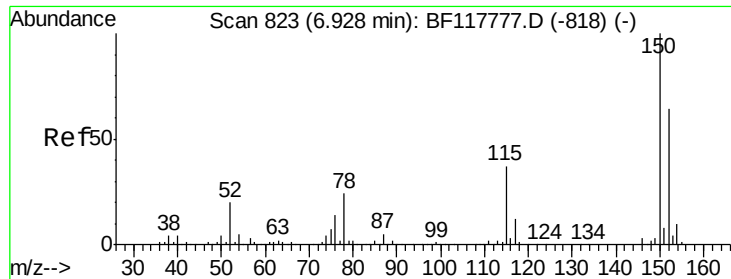
System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	451741	45.21	ng	-0.01
7) Phenol-d6	6.53	99	569131	47.22	ng	-0.02
23) Nitrobenzene-d5	7.47	82	392439	37.95	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	116347	34.18	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	631233	35.22	ng	0.00
79) Terphenyl-d14	13.04	244	619614	28.93	ng	-0.01

Target Compounds

						Qvalue
10) Phenol	6.54	94	29605	2.364	ng	84
31) Naphthalene	8.23	128	88746	3.097	ng	# 72
37) 2-Methylnaphthalene	8.92	142	123396	6.373	ng	96
38) 1-Methylnaphthalene	9.02	142	78716	4.300	ng	# 95
50) Dimethylphthalate	9.67	163	77200	3.424	ng	# 94
71) Phenanthrene	11.48	178	267173	10.154	ng	98
72) Anthracene	11.53	178	109466	4.196	ng	98
75) Fluoranthene	12.67	202	453607	13.696	ng	99
78) Pyrene	12.90	202	541716	17.127	ng	99
81) Benzo(a)anthracene	14.10	228	213435	8.253	ng	# 93
83) Chrysene	14.13	228	236138m	9.423	ng	
86) Indeno(1,2,3-cd)pyrene	17.15	276	56821	2.664	ng	93
88) Benzo(b)fluoranthene	15.17	252	164770m	8.472	ng	
89) Benzo(k)fluoranthene	15.20	252	40531m	2.212	ng	
90) Benzo(a)pyrene	15.56	252	114328	6.685	ng	# 89
92) Benzo(g,h,i)perylene	17.62	276	59793	4.078	ng	93

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



#1

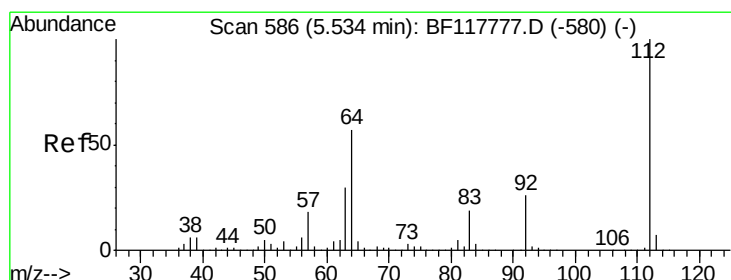
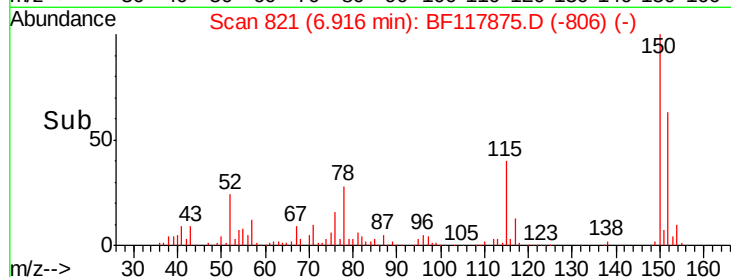
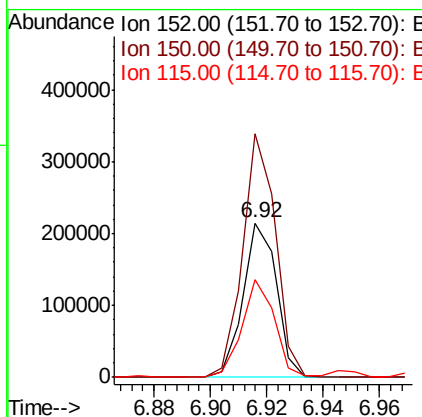
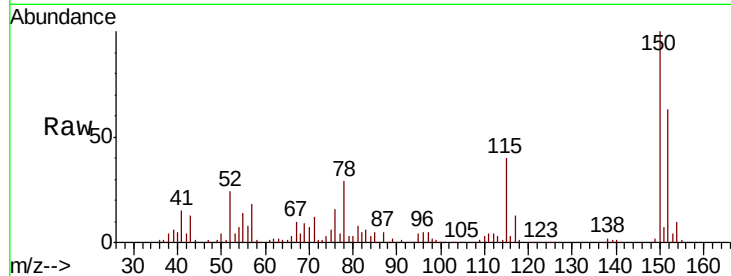
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Instrument :
BNA_F
ClientSampleId :
HR-05-111419

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.3	187.9
115	63.2	47.0	70.4

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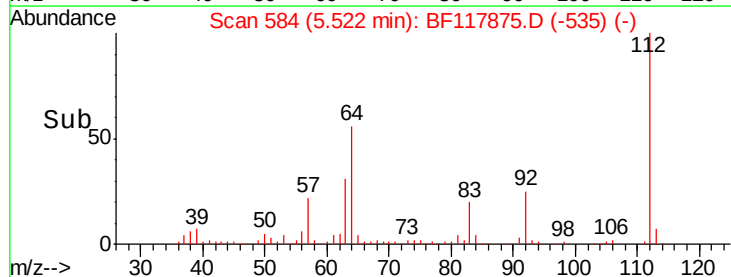
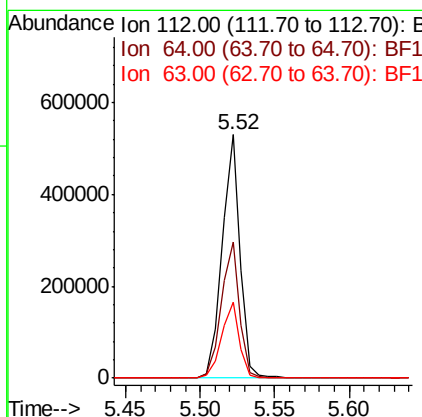
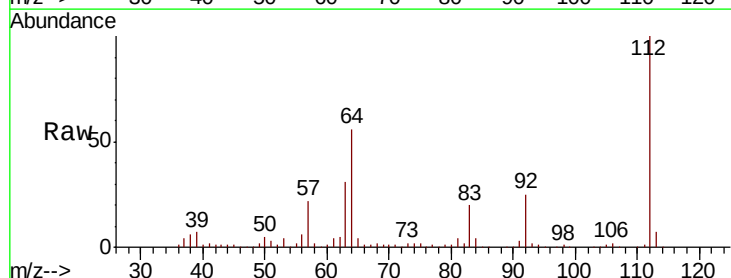
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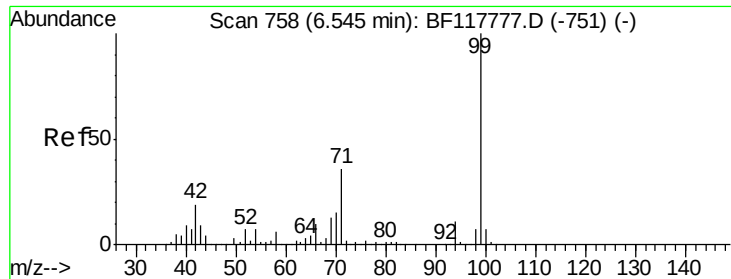


#5

2-Fluorophenol
Concen: 45.209 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	45.6	68.4
63	31.4	24.1	36.1





#7

Phenol-d6

Concen: 47.222 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF117875.D

Acq: 19 Nov 2019 22:25

Instrument :

BNA_F

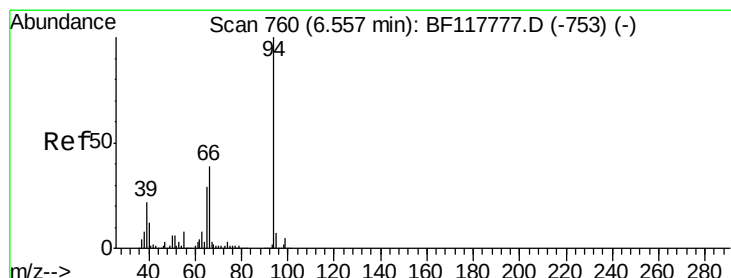
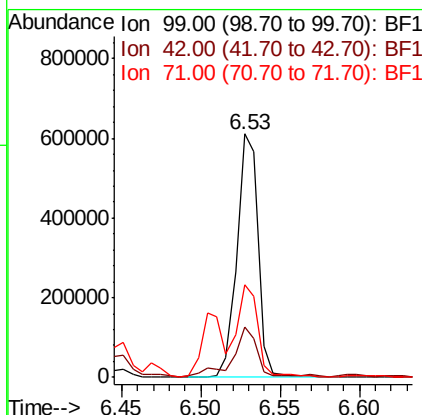
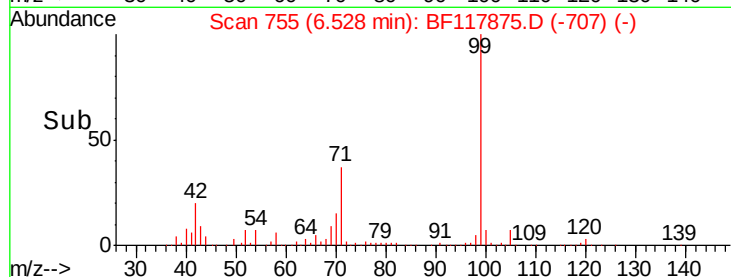
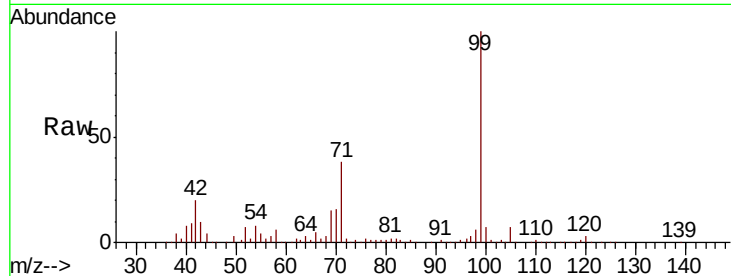
ClientSampleId :

HR-05-111419

Tot Ion:	99	Resp:	569131
Ion Ratio	Lower	Upper	
99	100		
42	20.5	14.9	22.3
71	37.9	28.6	43.0

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#10

Phenol

Concen: 2.364 ng

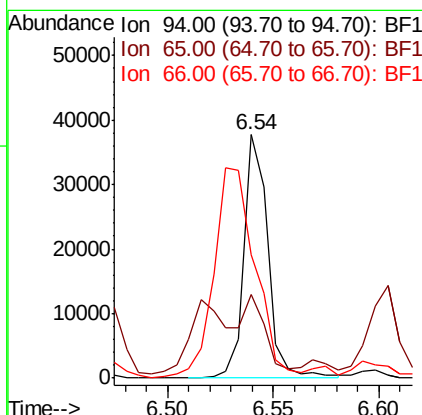
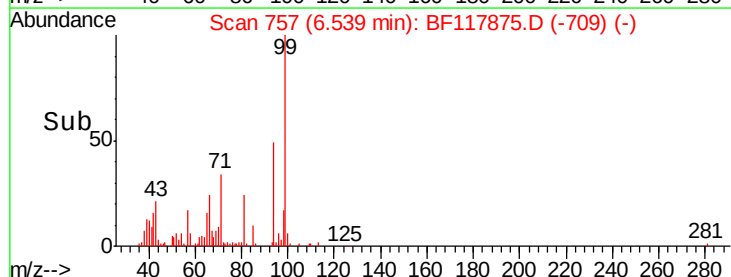
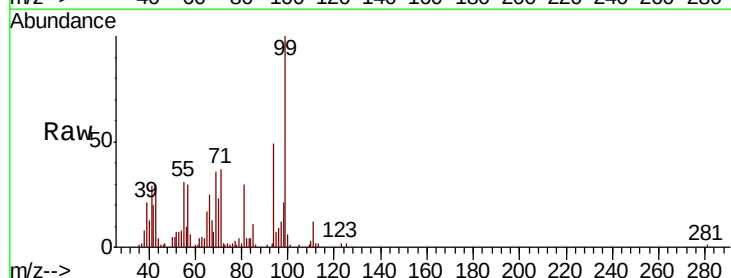
RT: 6.54 min Scan# 757

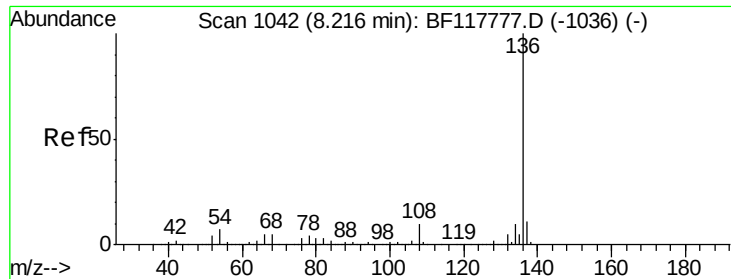
Delta R.T. -0.02 min

Lab File: BF117875.D

Acq: 19 Nov 2019 22:25

Tgt Ion:	94	Resp:	29605
Ion Ratio	Lower	Upper	
94	100		
65	34.6	8.9	48.9
66	50.4	18.7	58.7





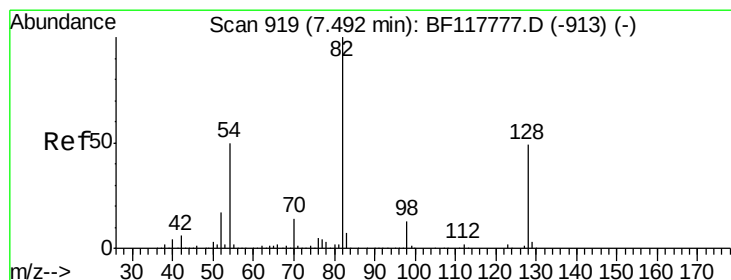
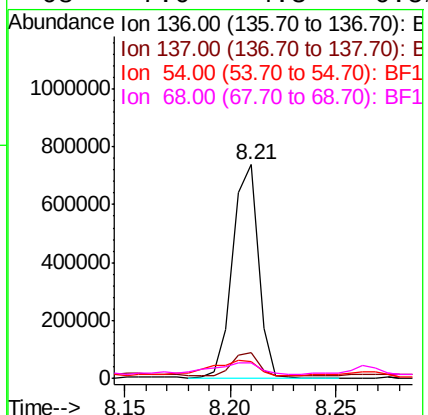
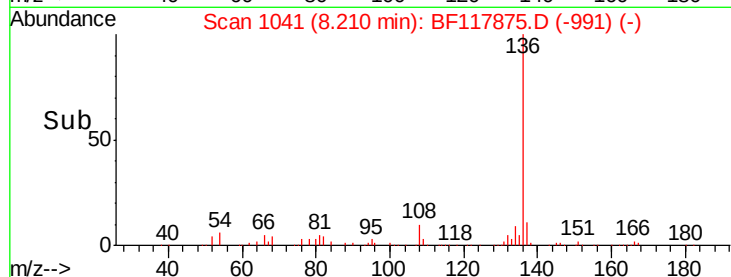
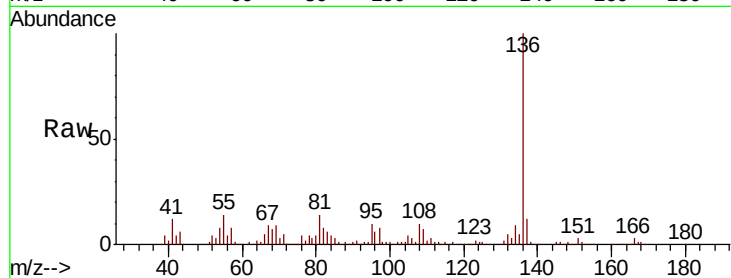
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Instrument :
BNA_F
ClientSampleId :
HR-05-111419

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		614719		
137	12.0	9.0	13.4		
54	7.6	5.4	8.2		
68	7.0	4.3	6.5#		

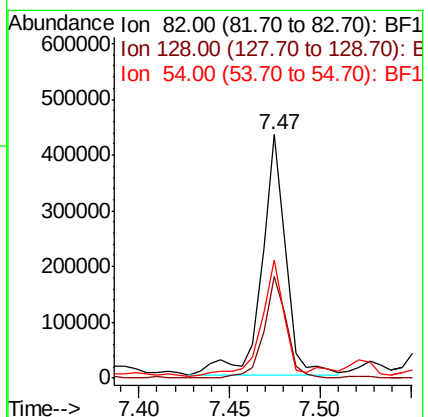
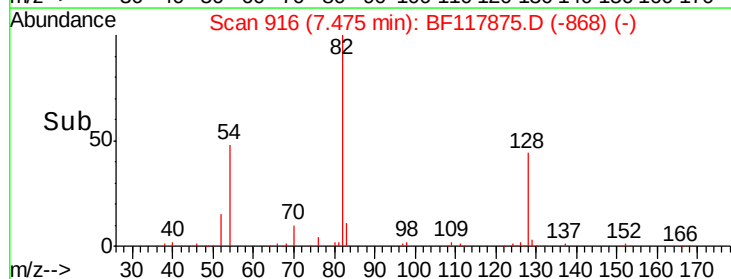
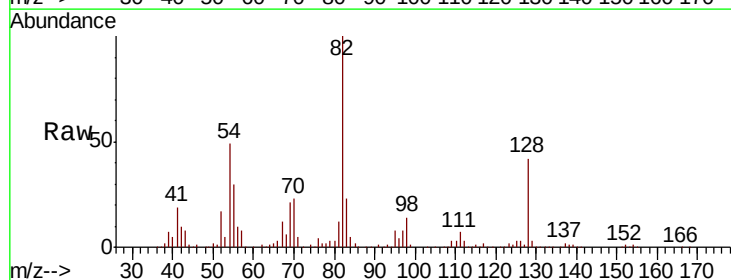
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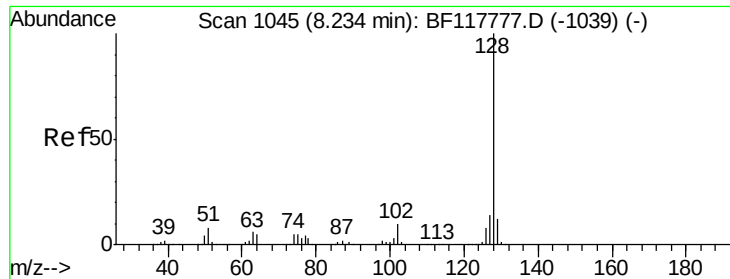
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#23
Nitrobenzene-d5
Concen: 37.950 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		392439		
128	41.7	38.9	58.3		
54	48.7	39.8	59.6		





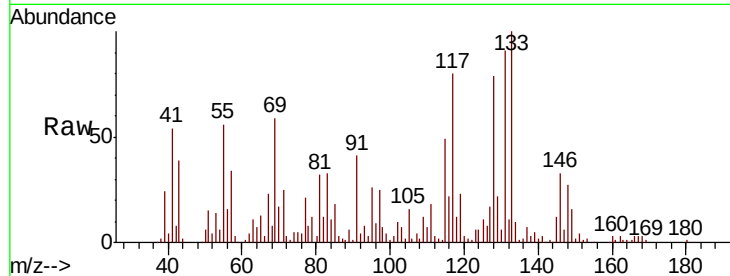
#31
Naphthalene
Concen: 3.097 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Instrument :
BNA_F
ClientSampleId :
HR-05-111419

Tot Ion	Ratio	Lower	Upper
128	100		
129	27.2	9.5	14.3#
127	21.3	11.3	16.9#

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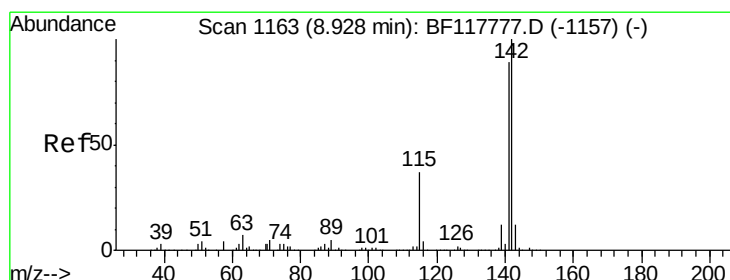
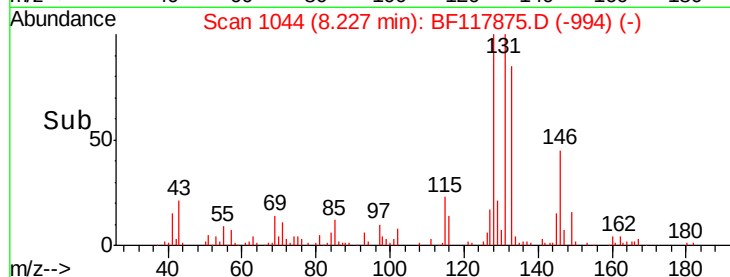
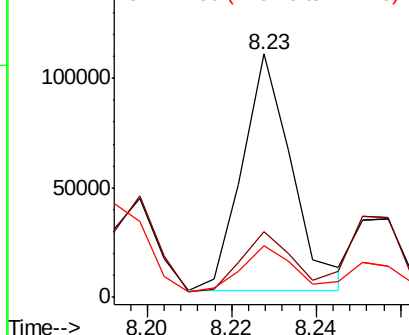


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37
2-Methylnaphthalene
Concen: 6.373 ng
RT: 8.92 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

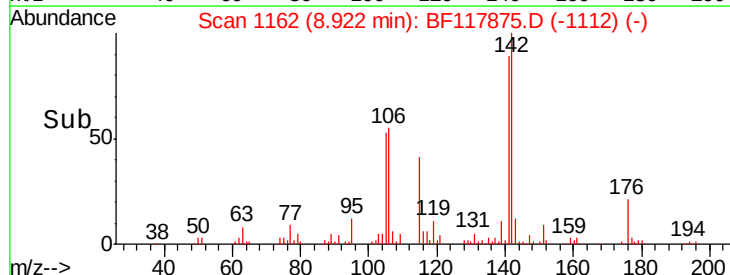
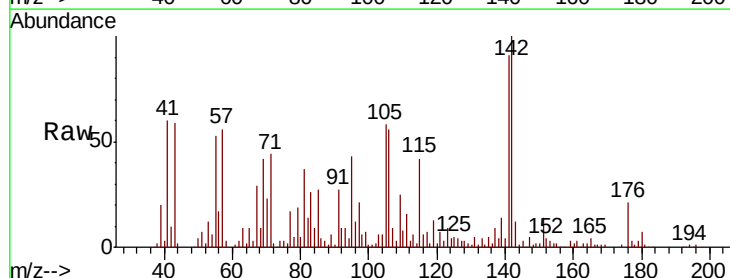
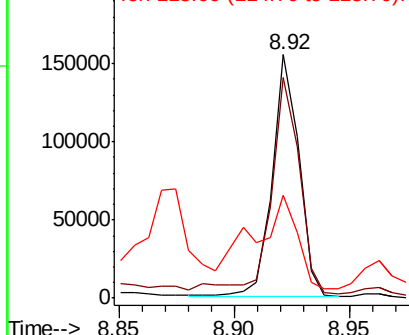
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.1	106.7
115	42.3	29.2	43.8

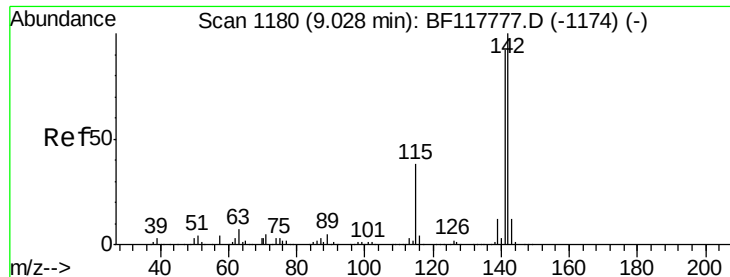
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





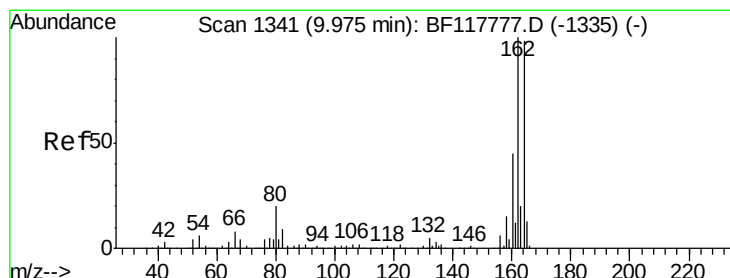
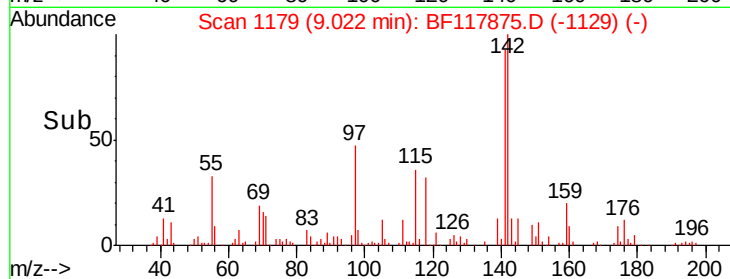
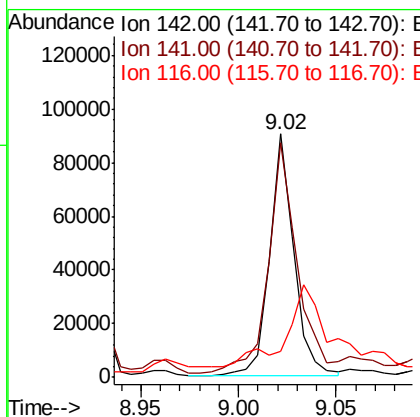
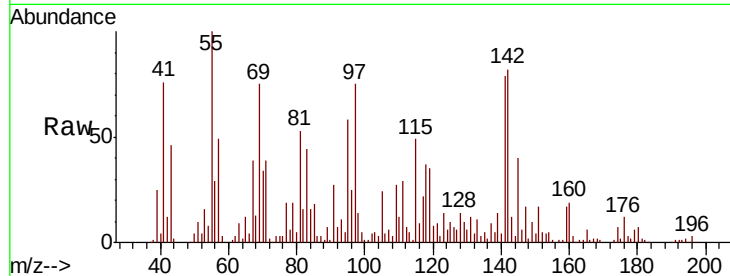
#38
1-Methylnaphthalene
Concen: 4.300 ng
RT: 9.02 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Instrument :
BNA_F
ClientSampleId :
HR-05-111419

Tot Ion	Ratio	Lower	Upper
142	100		
141	96.2	73.5	110.3
116	10.9	3.2	4.8#

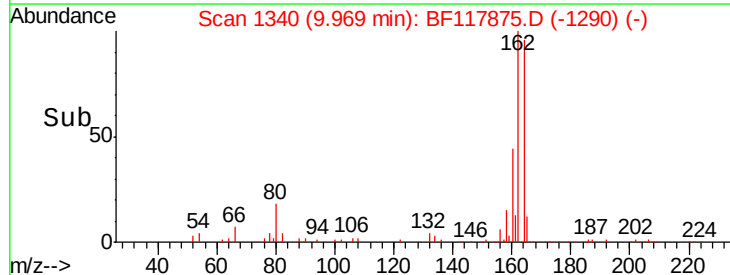
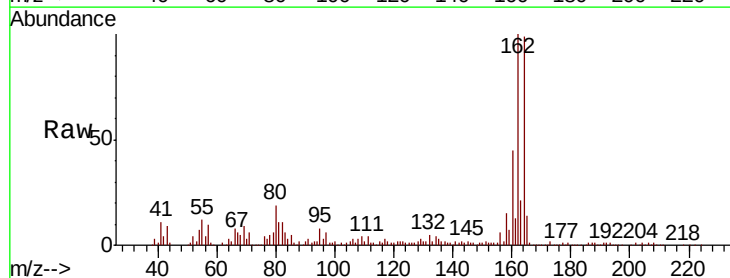
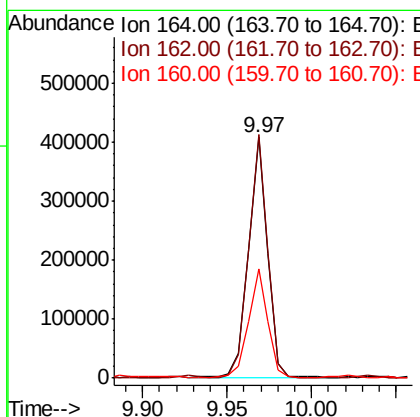
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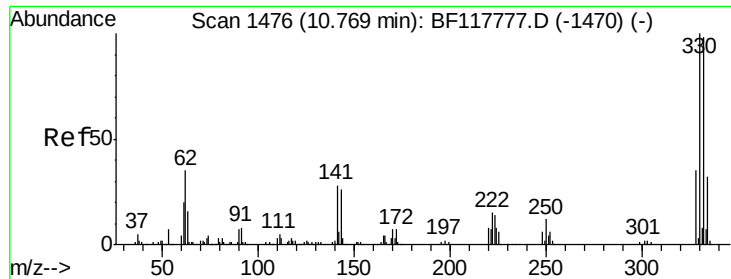
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.3	121.9
160	45.6	36.6	55.0





#42

2,4,6-Tribromophenol

Concen: 34.183 ng

RT: 10.76 min Scan# 1474

Delta R.T. -0.01 min

Lab File: BF117875.D

Acq: 19 Nov 2019 22:25

Instrument :

BNA_F

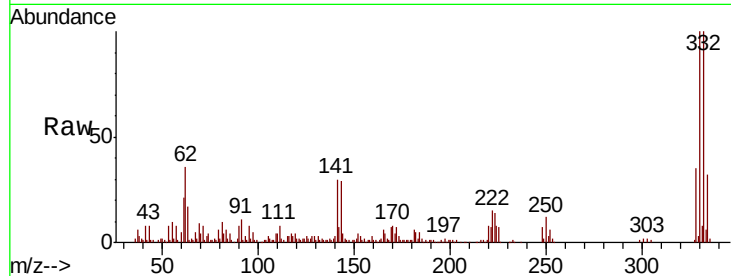
ClientSampleId :

HR-05-111419

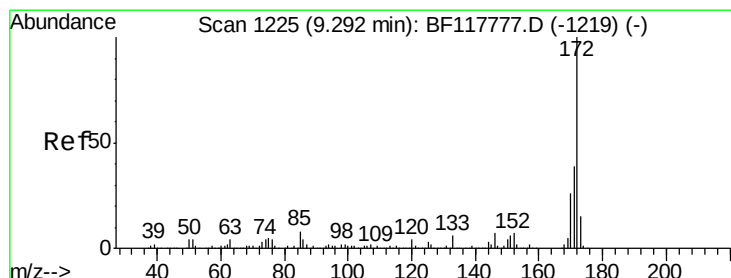
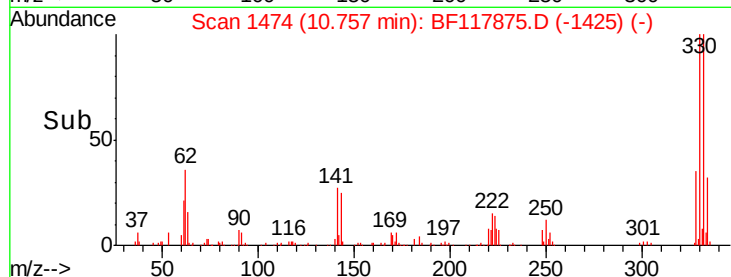
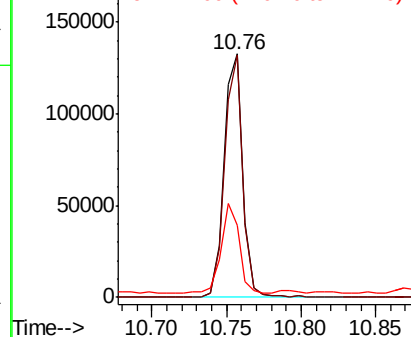
Tot Ion:	330	Resp:	116347
Ion Ratio	Lower	Upper	
330	100		
332	96.4	76.7	115.1
141	35.2	27.7	41.5

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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: 35.225 ng

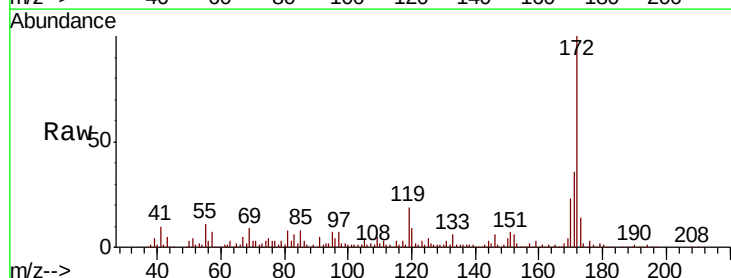
RT: 9.29 min Scan# 1224

Delta R.T. -0.01 min

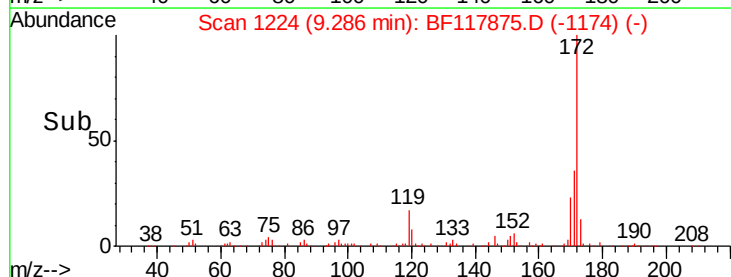
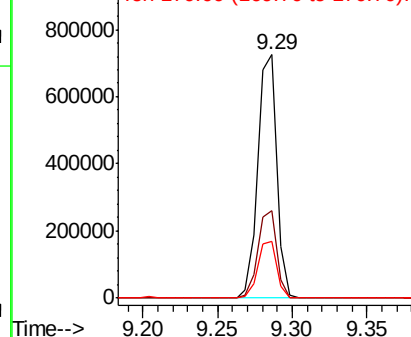
Lab File: BF117875.D

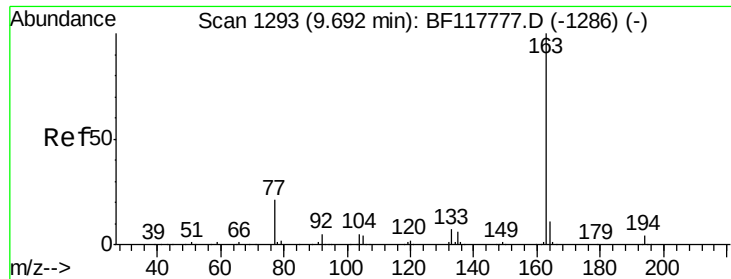
Acq: 19 Nov 2019 22:25

Tgt Ion:	172	Resp:	631233
Ion Ratio	Lower	Upper	
172	100		
171	35.9	30.9	46.3
170	23.4	21.0	31.4



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





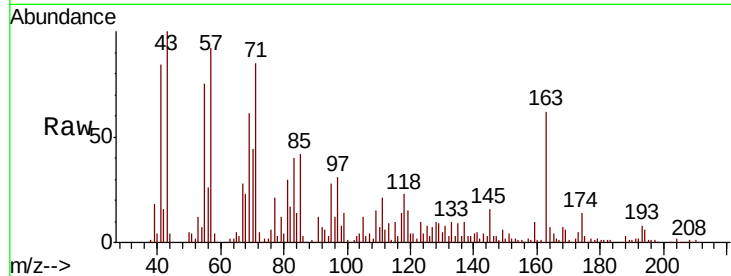
#50
Dimethylphthalate
Concen: 3.424 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Instrument :
BNA_F
ClientSampleId :
HR-05-111419

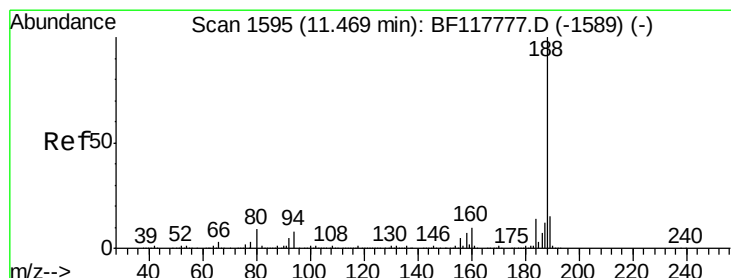
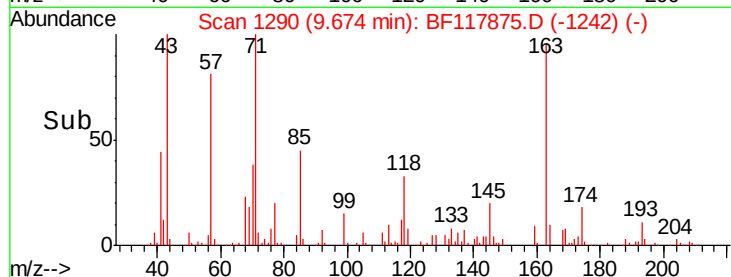
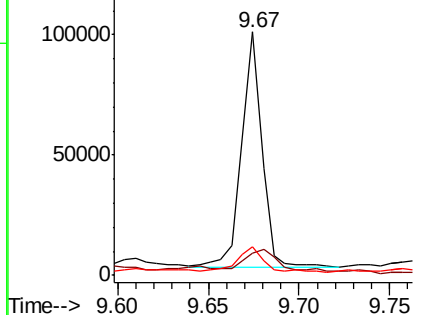
Tot Ion	Ratio	Lower	Upper
163	100		
194	8.9	3.3	4.9#
164	12.0	8.7	13.1

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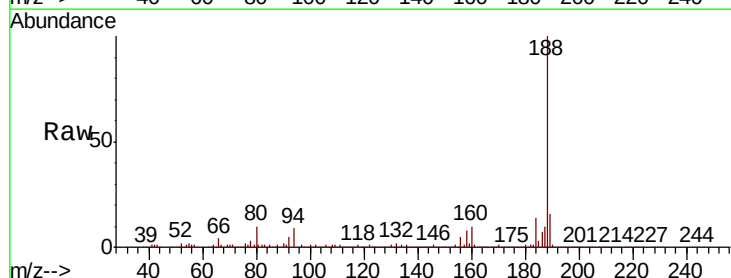


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

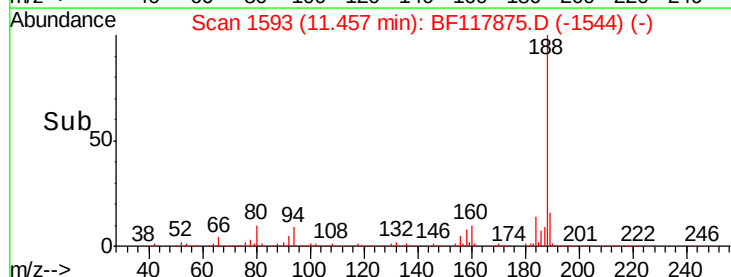
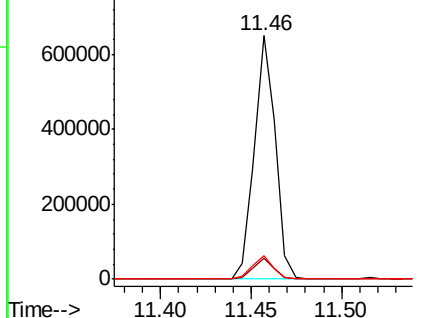


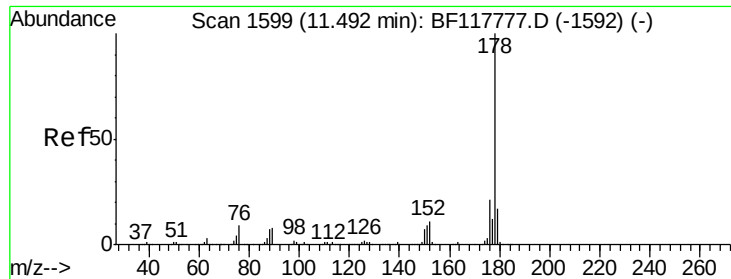
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.8	7.2	10.8



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





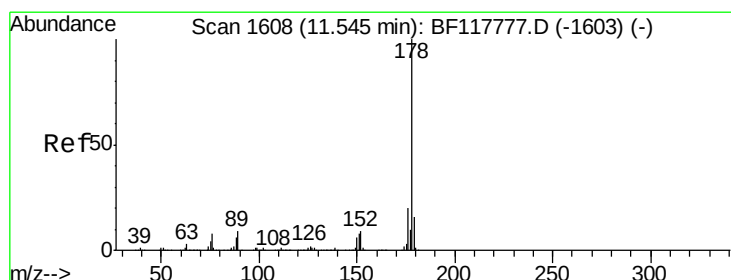
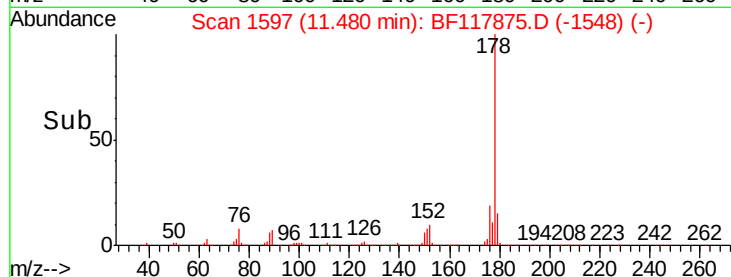
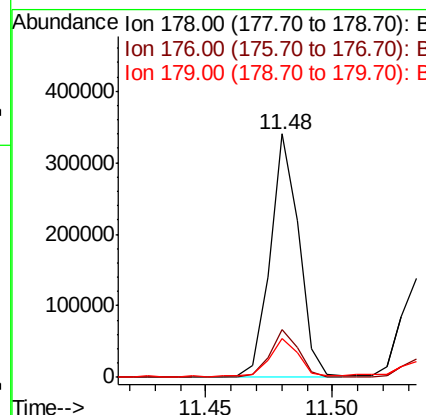
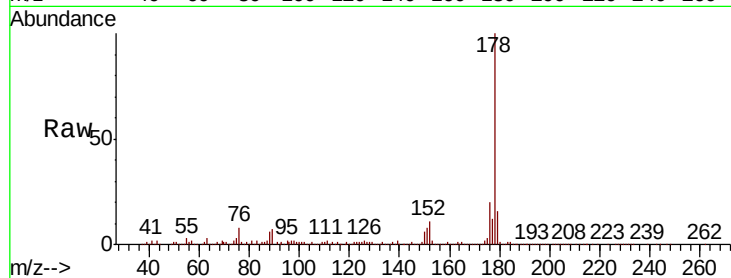
#71
Phenanthrene
Concen: 10.154 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Instrument :
BNA_F
ClientSampleId :
HR-05-111419

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.6	25.0
179	15.9	13.2	19.8

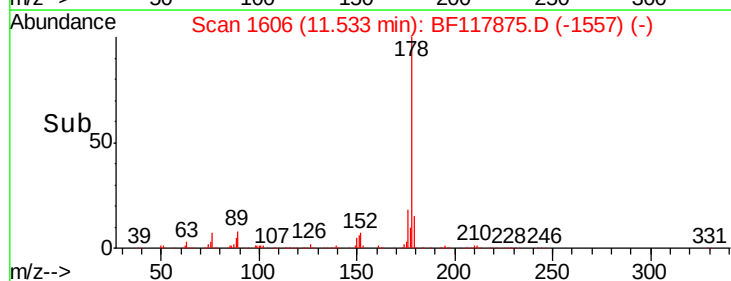
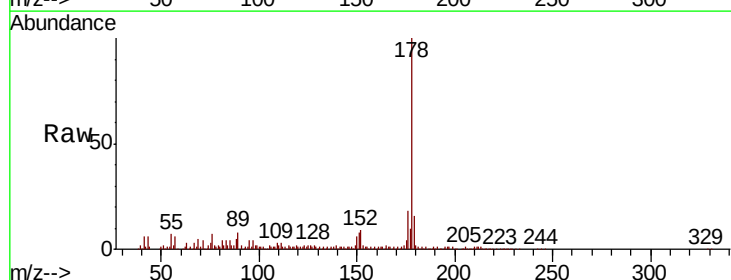
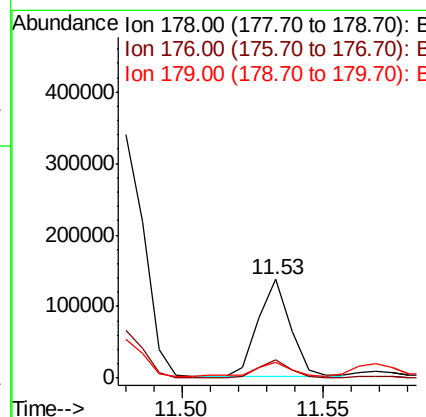
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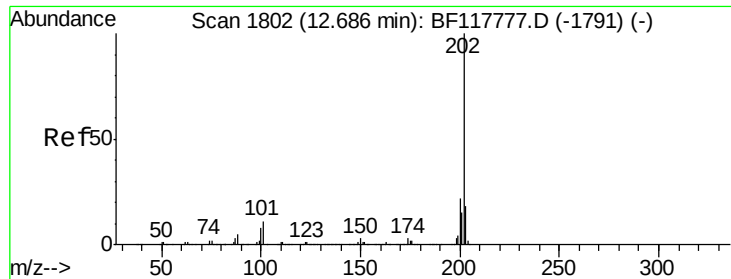
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#72
Anthracene
Concen: 4.196 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.1	24.1
179	16.0	13.0	19.4





#75

Fluoranthene

Concen: 13.696 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117875.D

Acq: 19 Nov 2019 22:25

Instrument :

BNA_F

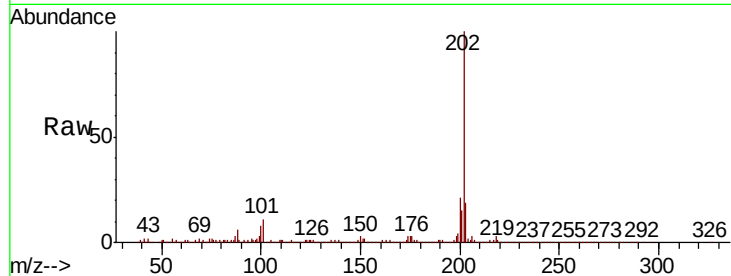
ClientSampleId :

HR-05-111419

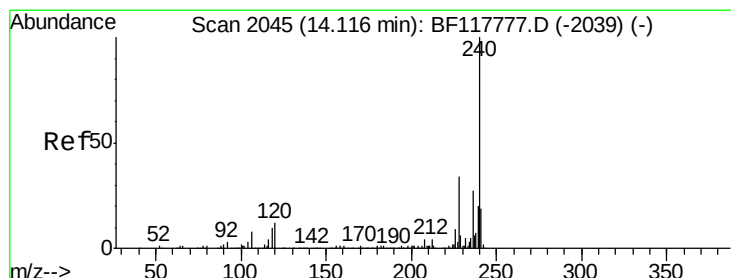
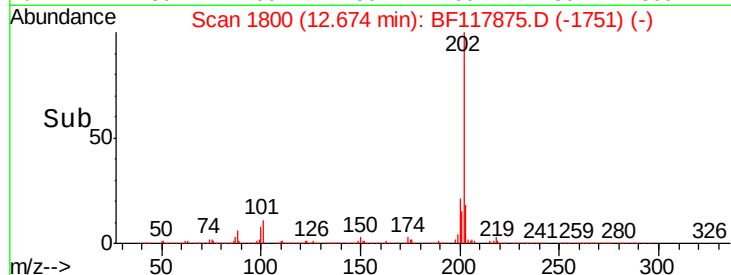
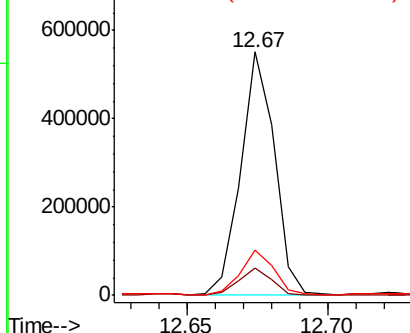
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.4	0.0	31.1
203	18.8	0.0	38.2

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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

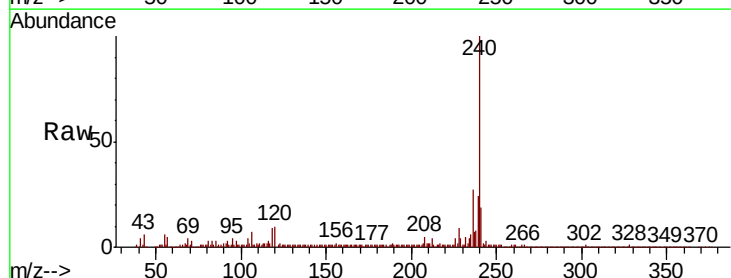
RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

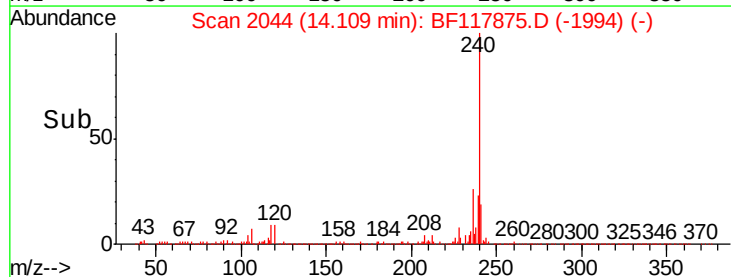
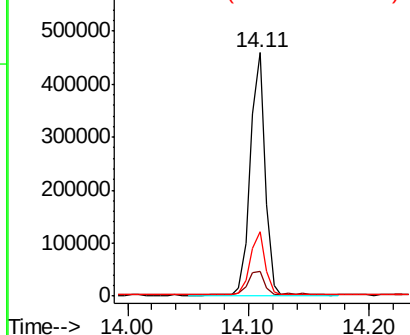
Lab File: BF117875.D

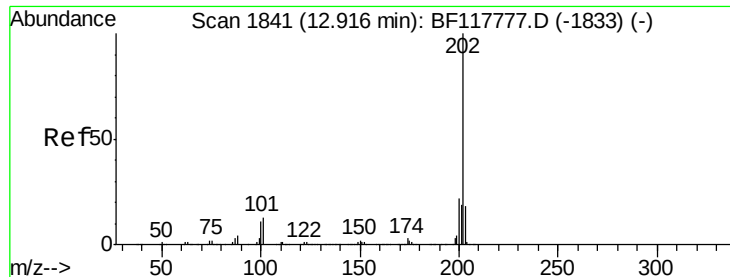
Acq: 19 Nov 2019 22:25

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.0	9.5	14.3
236	26.6	21.3	31.9



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





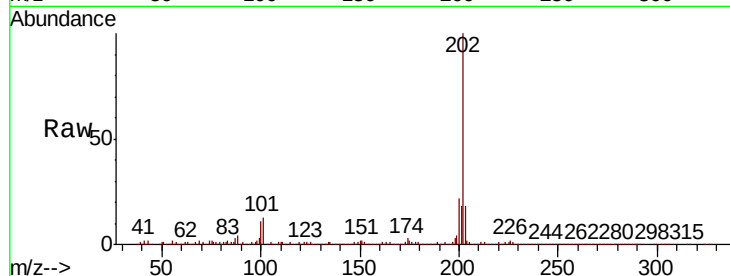
#78
Pvrene
Concen: 17.127 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Instrument :
BNA_F
ClientSampleId :
HR-05-111419

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.9	17.8	26.8
203	18.5	14.6	22.0

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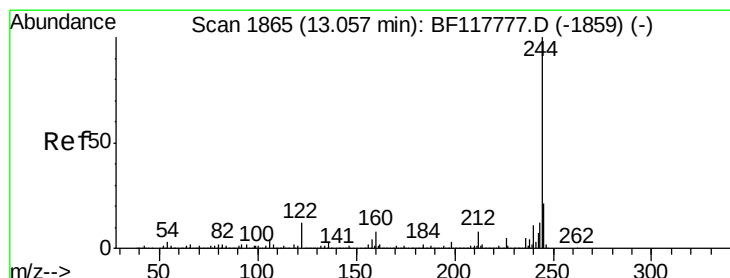
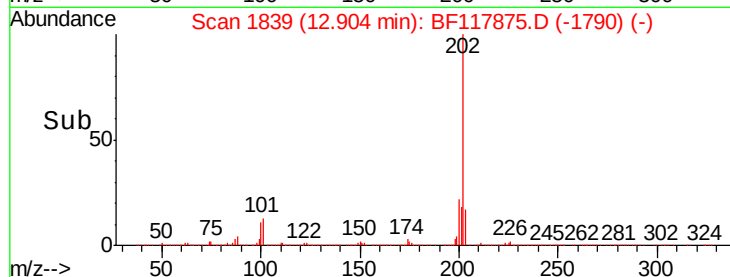
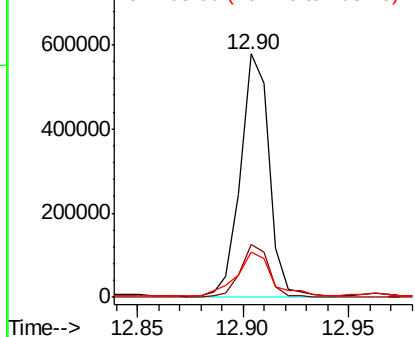


Abundance

Ion 202.00 (201.70 to 202.70): E

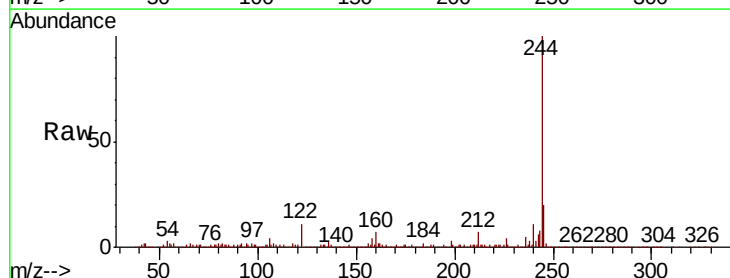
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 28.935 ng
RT: 13.04 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.3	9.5
122	11.0	9.4	14.2

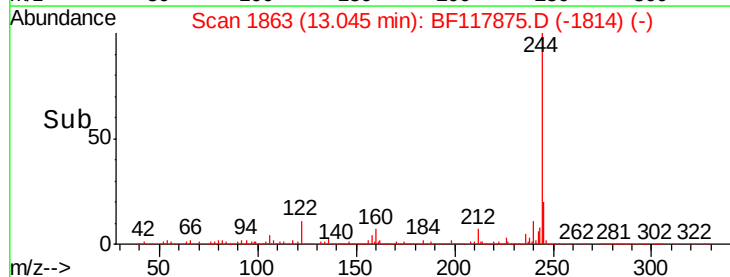
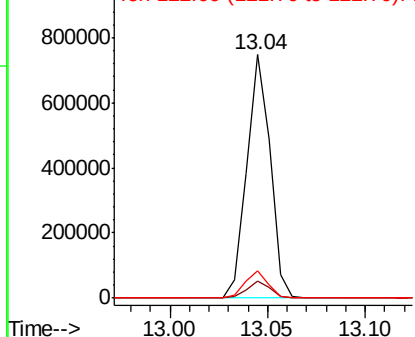


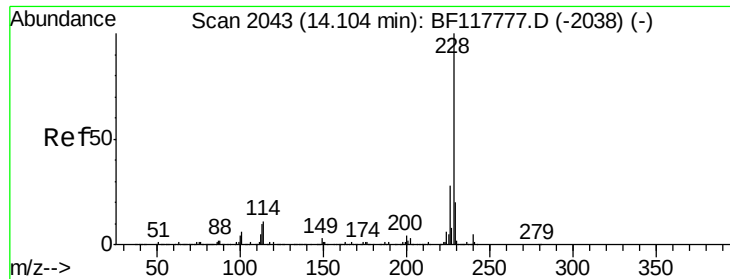
Abundance

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: 8.253 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BF117875.D

Acq: 19 Nov 2019 22:25

Instrument :

BNA_F

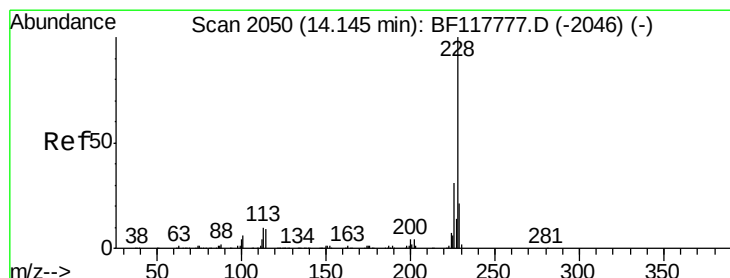
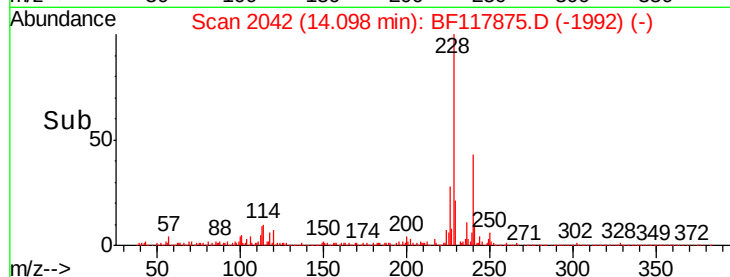
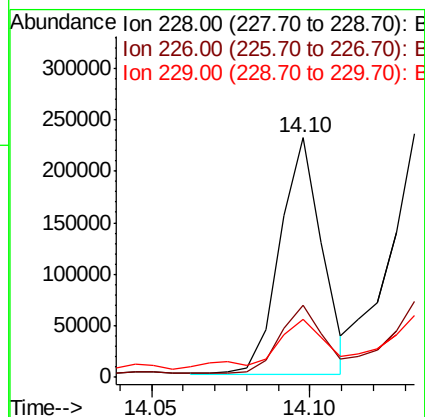
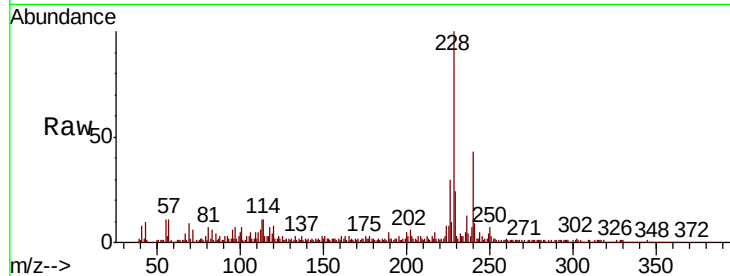
ClientSampleId :

HR-05-111419

Tot Ion:	228	Resp:	213435
Ion Ratio	Lower	Upper	
228	100		
226	30.3	22.2	33.2
229	24.4	15.9	23.9

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#83

Chrysene

Concen: 9.423 ng m

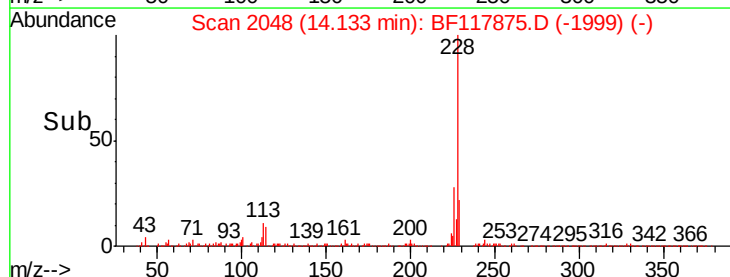
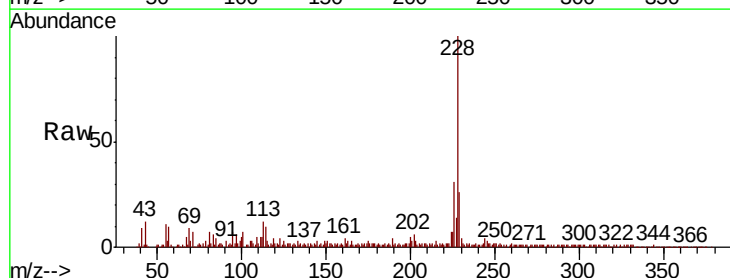
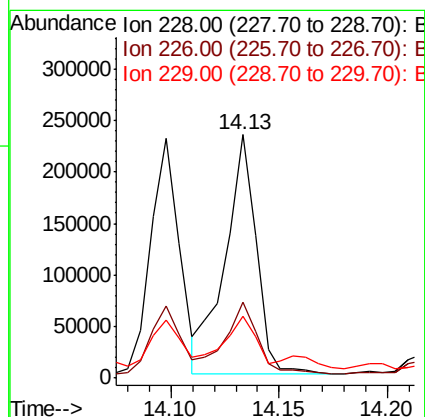
RT: 14.13 min Scan# 2048

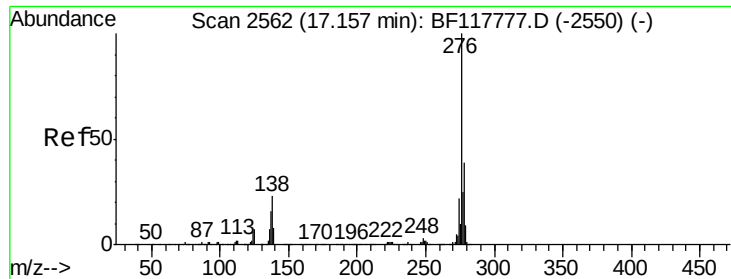
Delta R.T. -0.01 min

Lab File: BF117875.D

Acq: 19 Nov 2019 22:25

Tgt Ion:	228	Resp:	236138
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.4
229	25.7	16.6	25.0





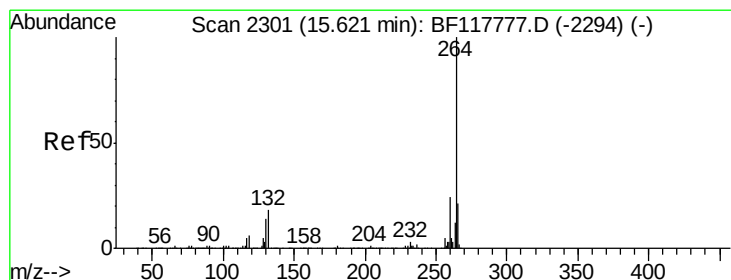
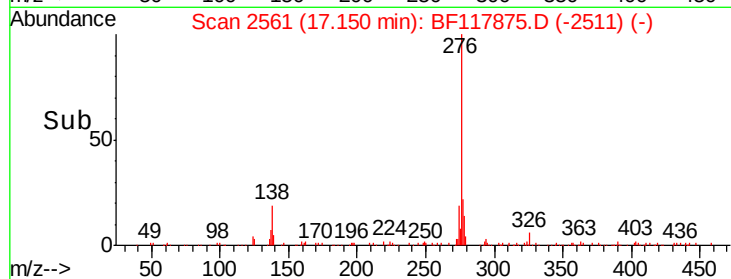
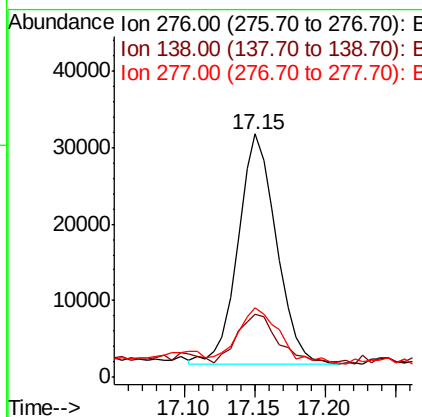
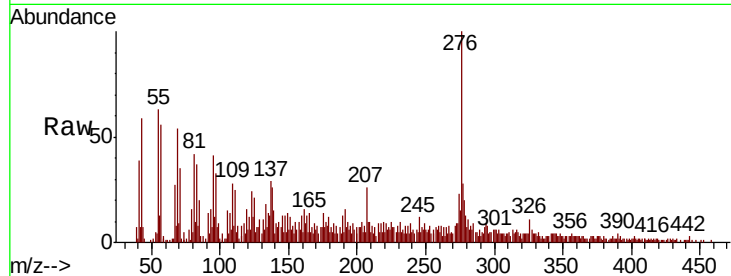
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.664 ng
RT: 17.15 min Scan# 2561
Delta R.T. -0.01 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Instrument :
BNA_F
ClientSampleId :
HR-05-111419

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	20.9	31.3
277	28.5	20.3	30.5

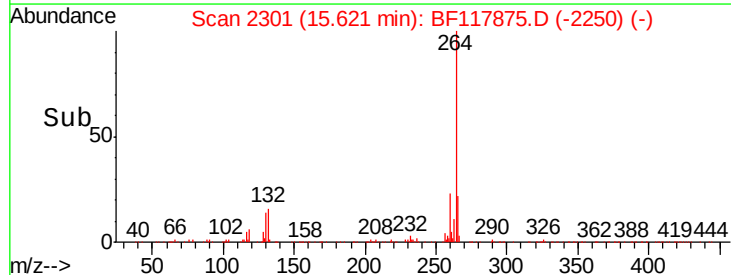
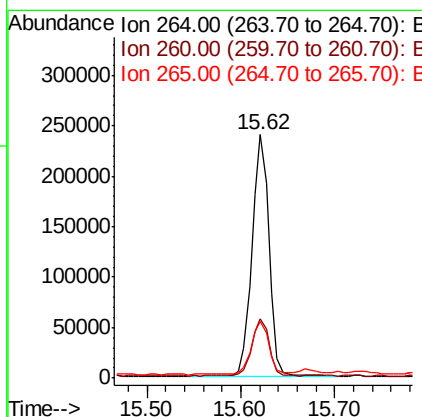
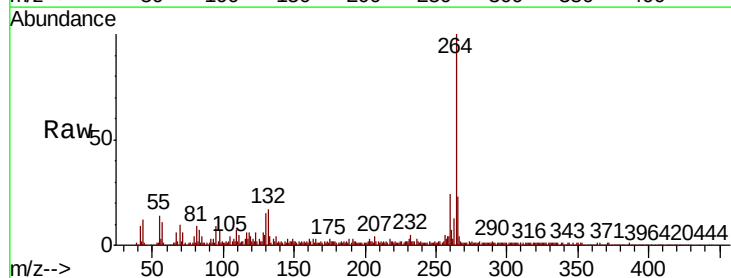
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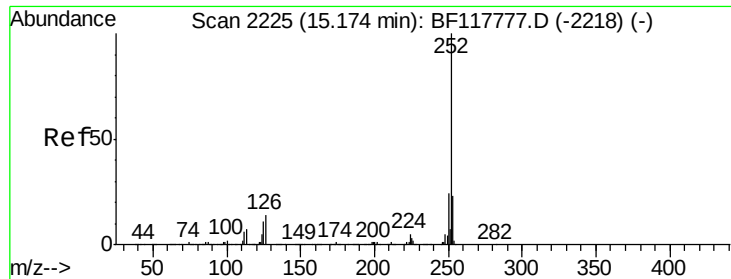
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.00 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.0
265	23.1	17.1	25.7





#88

Benzo(b)fluoranthene

Concen: 8.472 ng m

RT: 15.17 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF117875.D

Acq: 19 Nov 2019 22:25

Instrument :

BNA_F

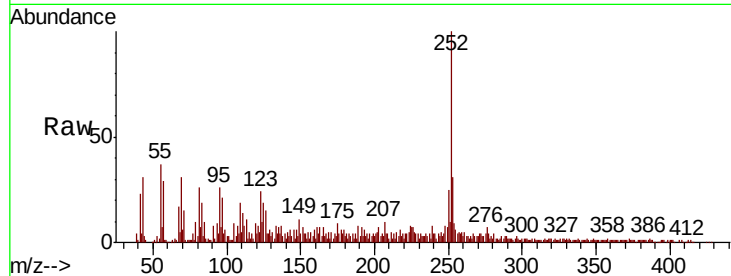
ClientSampleId :

HR-05-111419

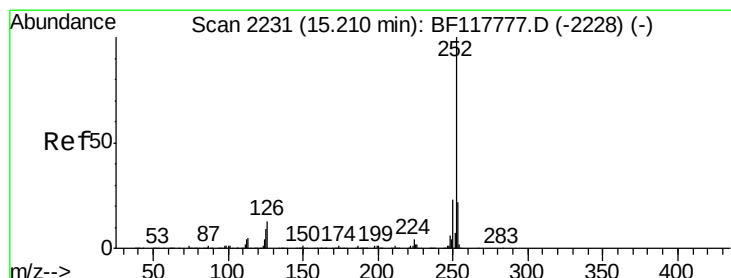
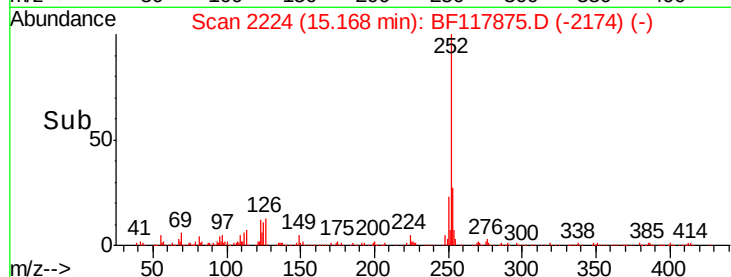
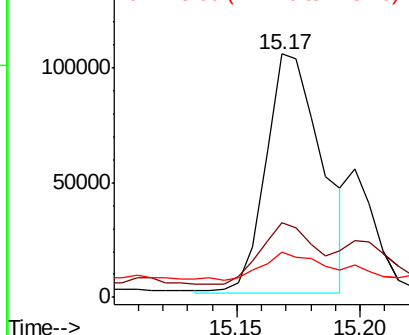
Tot Ion:	252	Resp:	164770
Ion Ratio	Lower	Upper	
252	100		
253	30.6	18.0	27.0#
125	18.7	8.6	13.0#

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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: 2.212 ng m

RT: 15.20 min Scan# 2229

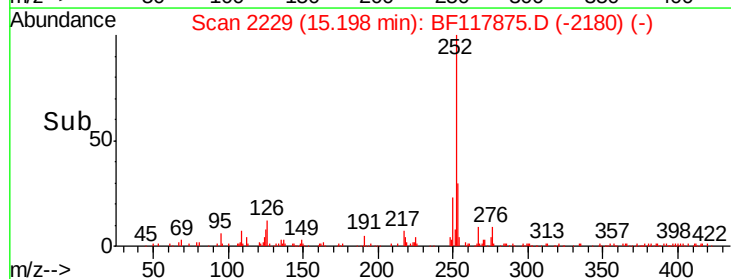
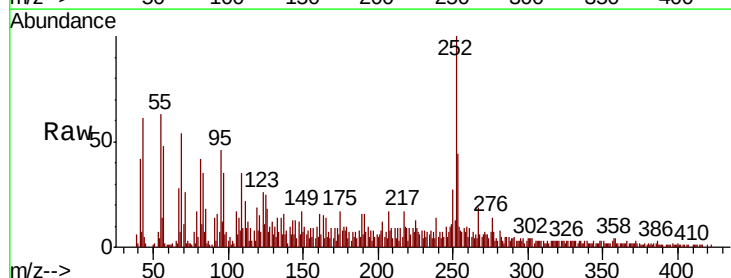
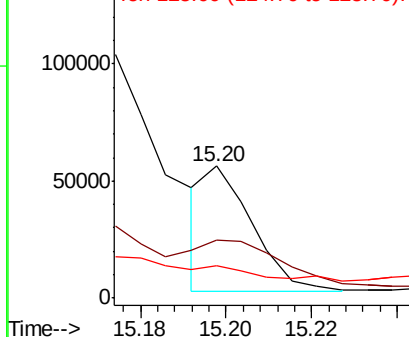
Delta R.T. -0.01 min

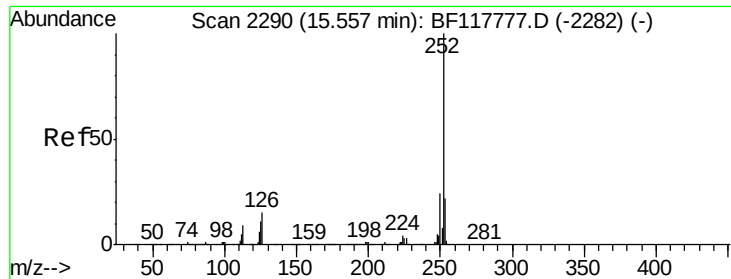
Lab File: BF117875.D

Acq: 19 Nov 2019 22:25

Tgt Ion:	252	Resp:	40531
Ion Ratio	Lower	Upper	
252	100		
253	44.1	17.5	26.3#
125	24.8	7.9	11.9#

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





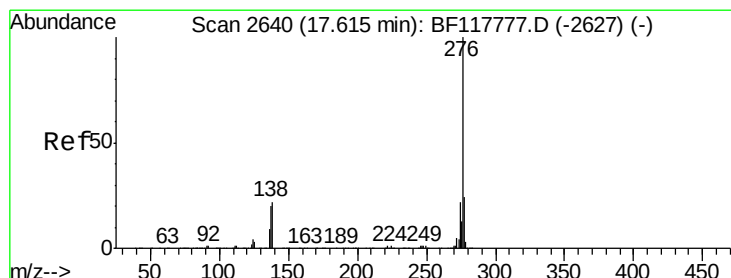
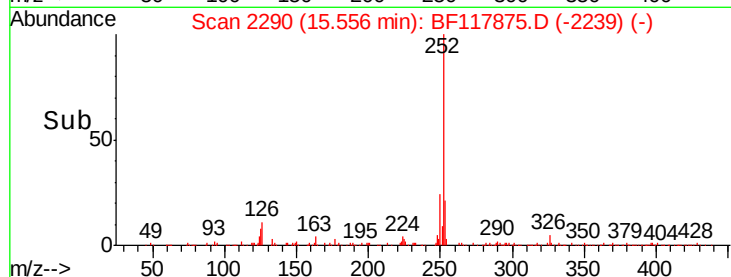
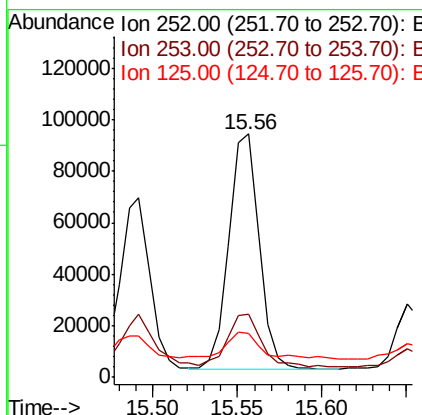
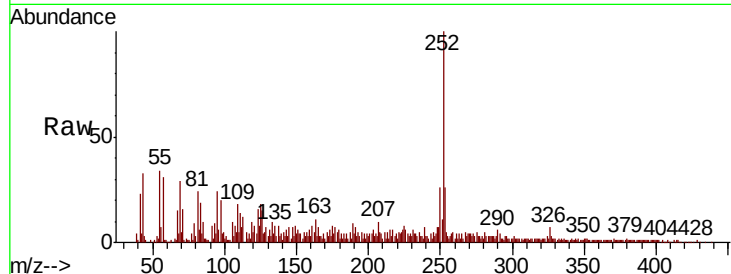
#90
Benzo(a)pyrene
Concen: 6.685 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Instrument :
BNA_F
ClientSampleId :
HR-05-111419

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.8	26.6
125	18.2	9.2	13.8

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#92
Benzo(g,h,i)perylene
Concen: 4.078 ng
RT: 17.62 min Scan# 2640
Delta R.T. -0.00 min
Lab File: BF117875.D
Acq: 19 Nov 2019 22:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.8	18.9	28.3
138	25.2	17.4	26.2

