

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\
 Data File : BF117884.D
 Acq On : 20 Nov 2019 11:17
 Operator : JU
 Sample : K5838-01DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UC-TPDL

Manual Integrations
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 11/21/2019 1:04:55 PM

Quant Time: Nov 20 13:52:09 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	148783	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	554864	20.00	ng	-0.02
39) Acenaphthene-d10	9.96	164	324222	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	574126	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	339892	20.00	ng	-0.01
87) Perylene-d12	15.62	264	454022	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	169272	20.14	ng	-0.02
7) Phenol-d6	6.53	99	219339	21.63	ng	-0.02
23) Nitrobenzene-d5	7.47	82	121466	13.01	ng	-0.02
42) 2,4,6-Tribromophenol	10.75	330	64053	18.66	ng	-0.02
45) 2-Fluorobiphenyl	9.28	172	276776	15.31	ng	-0.01
79) Terphenyl-d14	13.04	244	255524	13.74	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	9.82	152	58300	2.021	ng	99
71) Phenanthrene	11.48	178	496880	17.214	ng	97
72) Anthracene	11.53	178	110572	3.864	ng	98
75) Fluoranthene	12.67	202	731647	24.388	ng	99
78) Pyrene	12.90	202	783555	28.526	ng	99
81) Benzo(a)anthracene	14.09	228	370706	16.505	ng	96
83) Chrysene	14.13	228	358339	16.465	ng	98
86) Indeno(1,2,3-cd)pyrene	17.14	276	203905	11.008	ng	94
88) Benzo(b)fluoranthene	15.16	252	474034m	16.070	ng	
89) Benzo(k)fluoranthene	15.19	252	116507m	4.192	ng	
90) Benzo(a)pyrene	15.54	252	333442	12.855	ng	97
91) Dibenzo(a,h)anthracene	17.15	278	57132m	2.559	ng	
92) Benzo(a,h,i)perylene	17.60	276	204447	9.194	ng	99

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

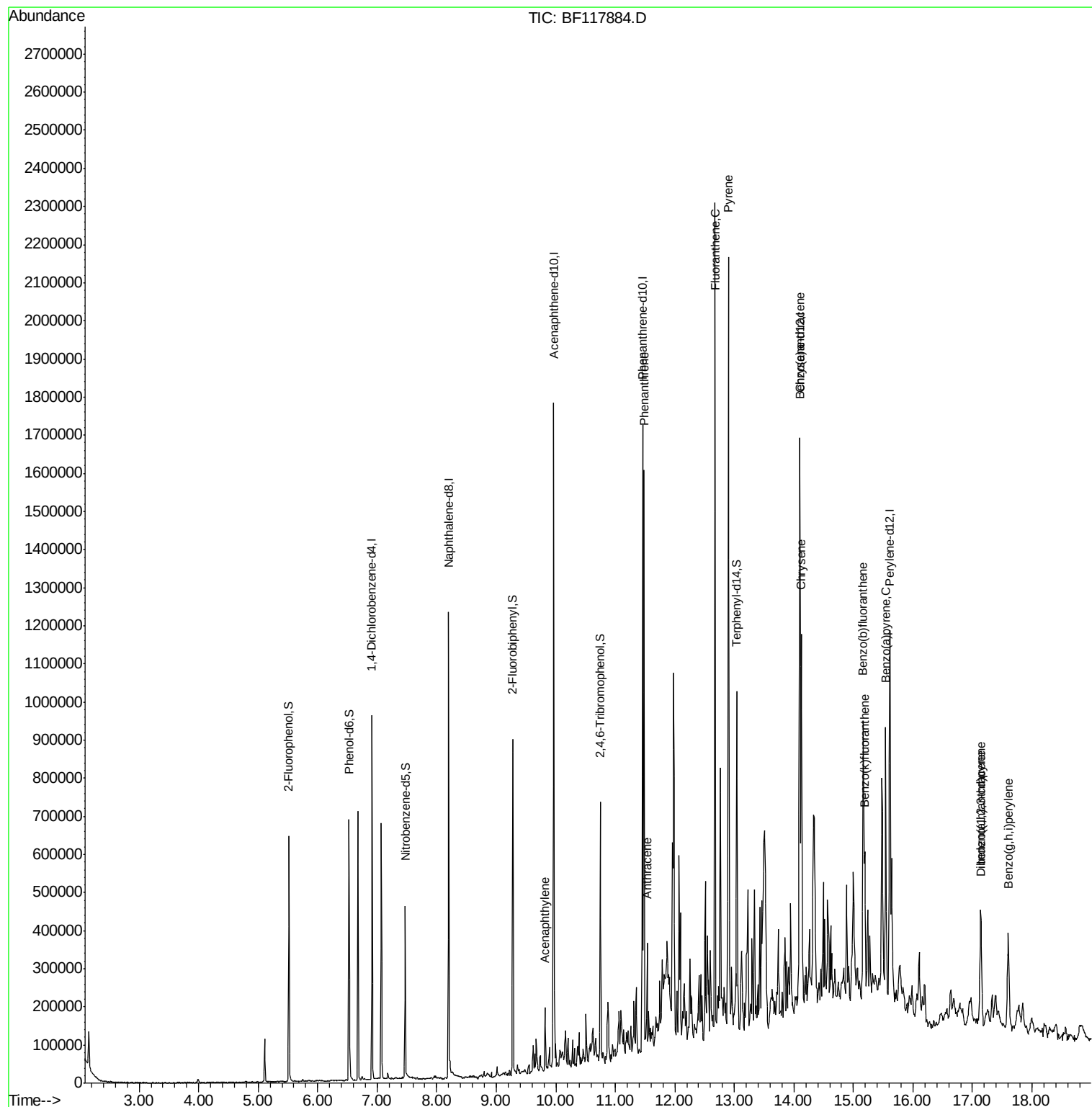
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\
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Sample : K5838-01DL 5X
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ALS Vial : 3 Sample Multiplier: 1

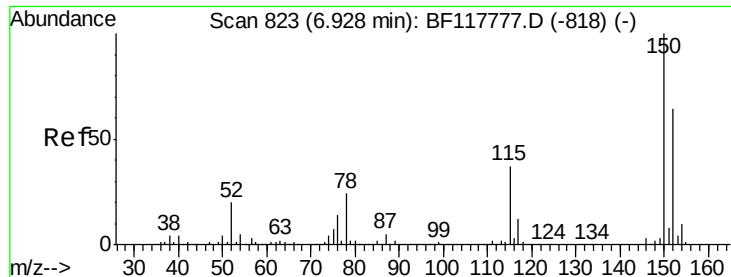
Instrument :
BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

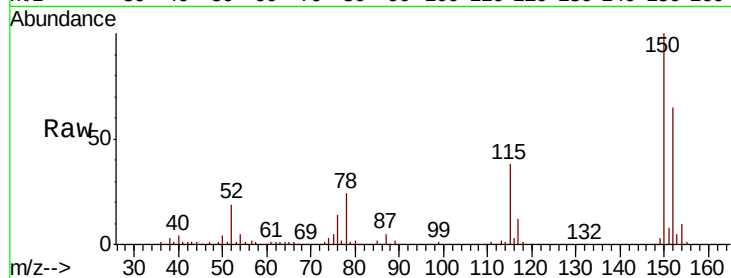
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117884.D
Acq: 20 Nov 2019 11:17

Instrument :
BNA_F
ClientSampleId :
UC-TPDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.3	187.9
115	58.7	47.0	70.4

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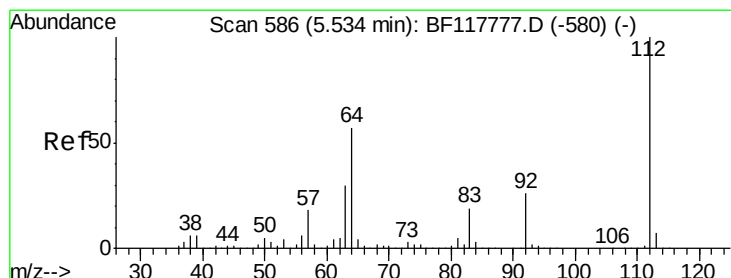
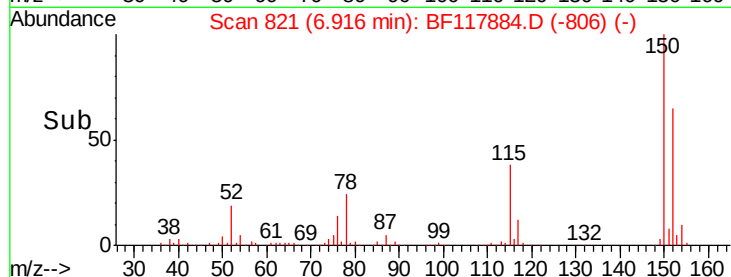
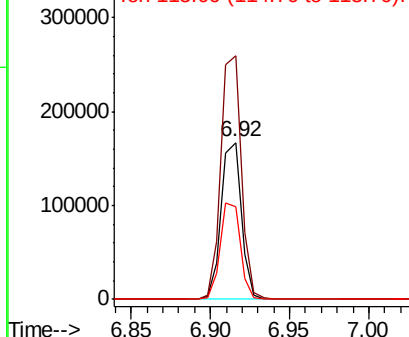


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

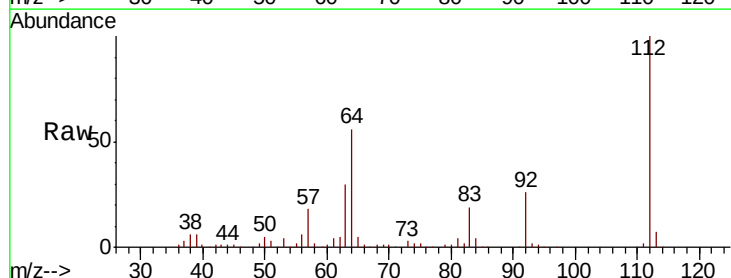
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.139 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.02 min
Lab File: BF117884.D
Acq: 20 Nov 2019 11:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	45.6	68.4
63	30.2	24.1	36.1

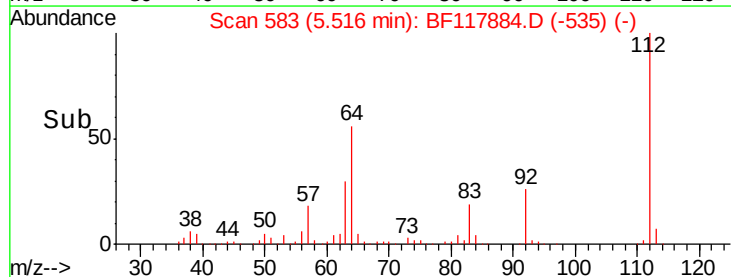
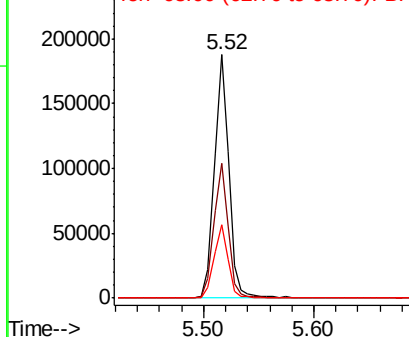


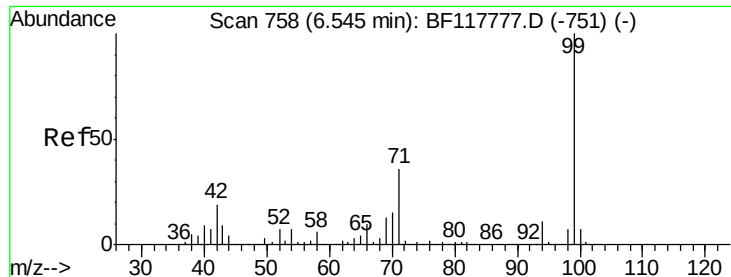
Abundance

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: 21.635 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF117884.D

Acq: 20 Nov 2019 11:17

Instrument :

BNA_F

ClientSampleId :

UC-TPDL

Tot Ion: 99 Resp: 219339

Ion Ratio Lower Upper

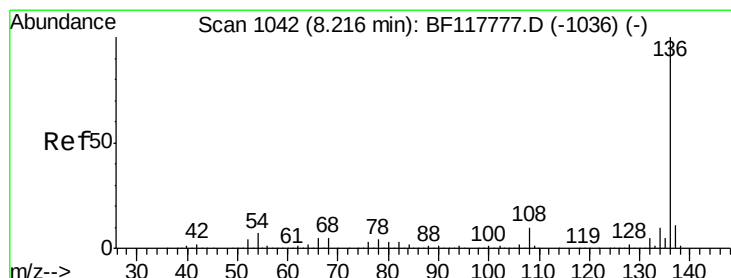
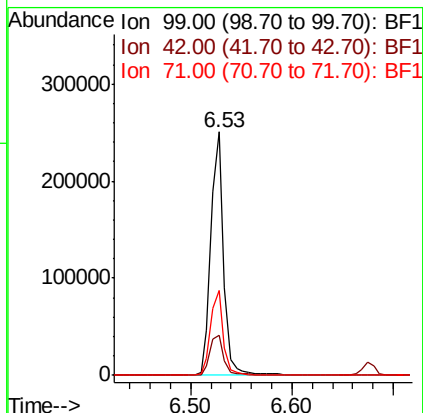
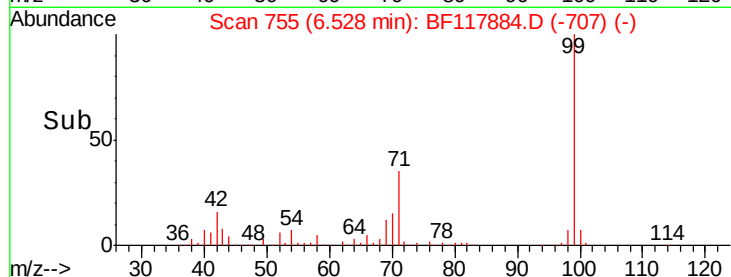
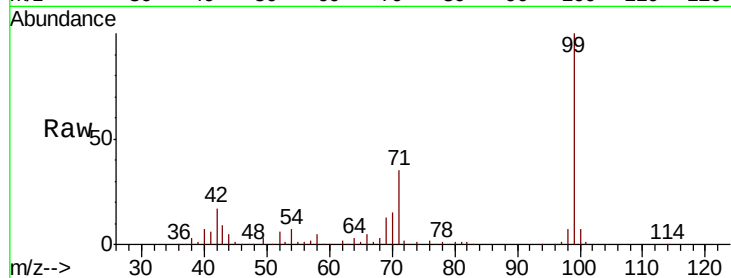
99 100

42 16.6 14.9 22.3

71 34.6 28.6 43.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.02 min

Lab File: BF117884.D

Acq: 20 Nov 2019 11:17

Tgt Ion: 136 Resp: 554864

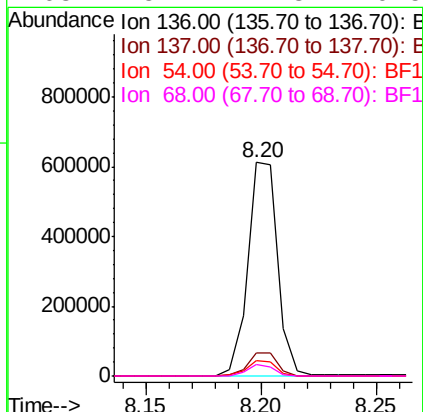
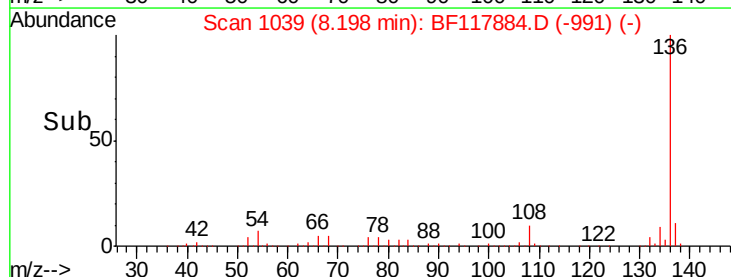
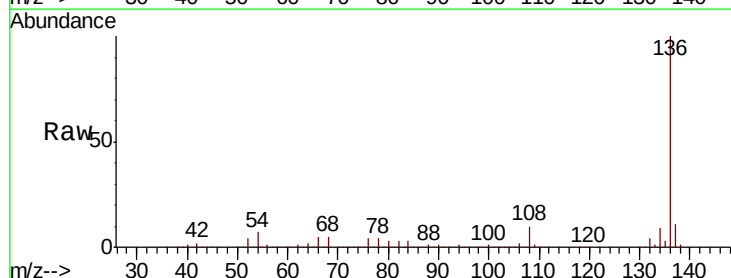
Ion Ratio Lower Upper

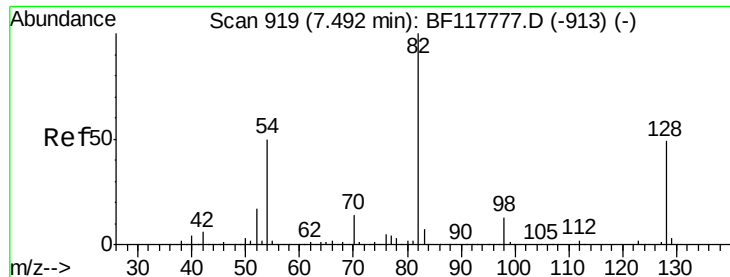
136 100

137 10.7 9.0 13.4

54 7.2 5.4 8.2

68 5.4 4.3 6.5





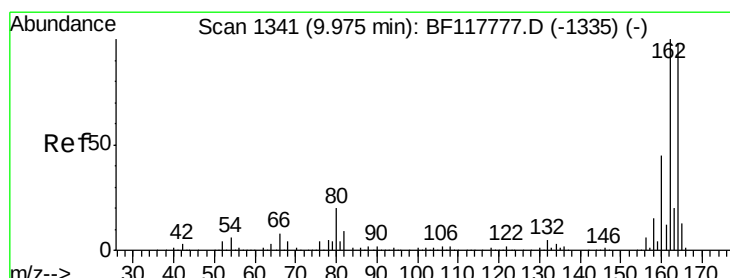
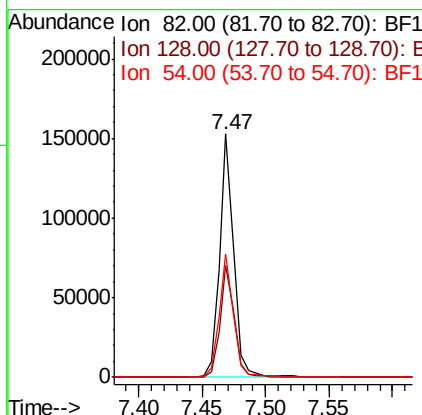
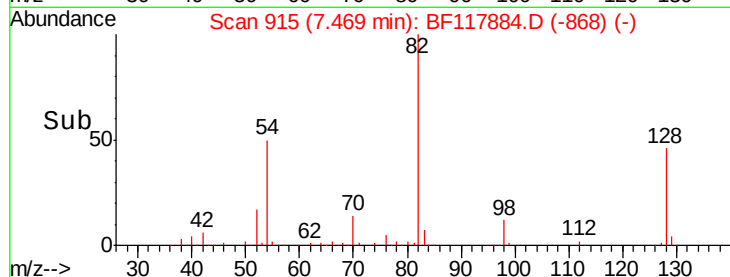
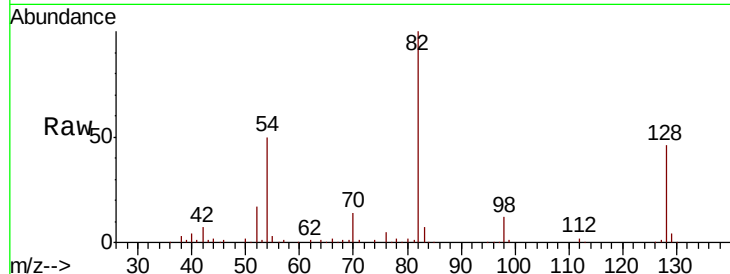
#23
Nitrobenzene-d5
Concen: 13.013 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF117884.D
Acq: 20 Nov 2019 11:17

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100	121466		
128	45.9	38.9	58.3	
54	50.5	39.8	59.6	

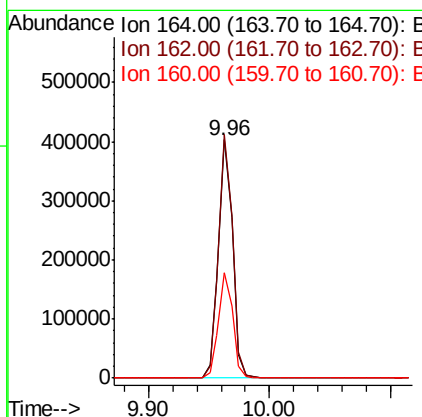
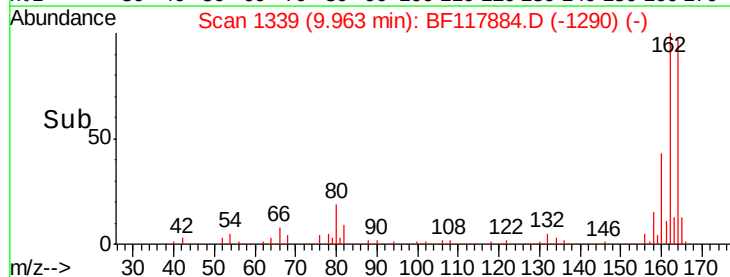
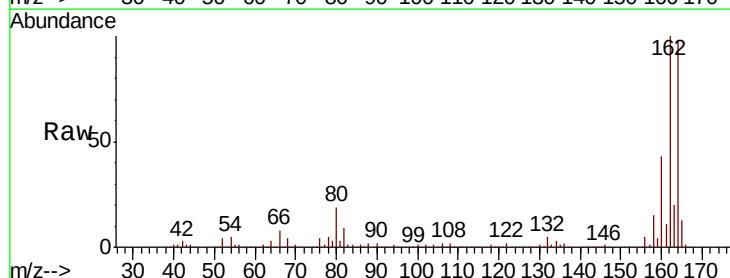
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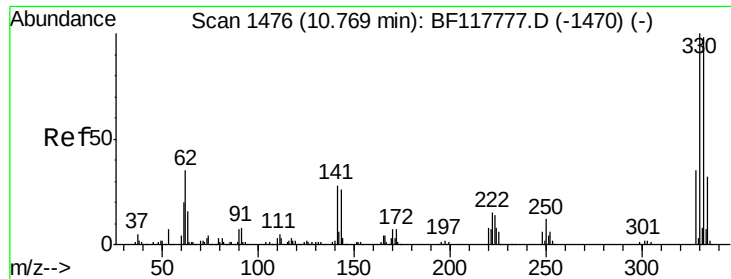
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117884.D
Acq: 20 Nov 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	324222		
162	102.2	81.3	121.9	
160	44.2	36.6	55.0	





#42

2,4,6-Tribromophenol

Concen: 18.661 ng

RT: 10.75 min Scan# 1473

Delta R.T. -0.02 min

Lab File: BF117884.D

Acq: 20 Nov 2019 11:17

Instrument :

BNA_F

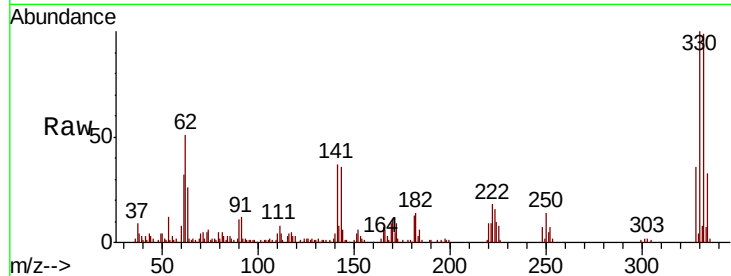
ClientSampled :

UC-TPDL

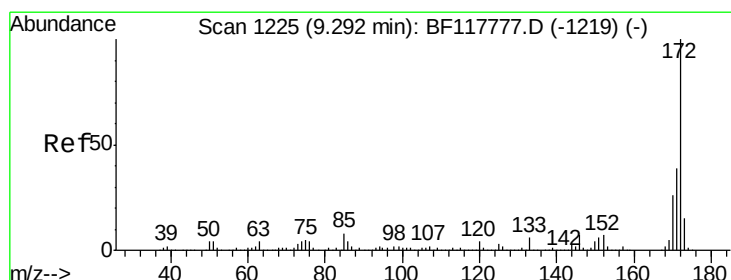
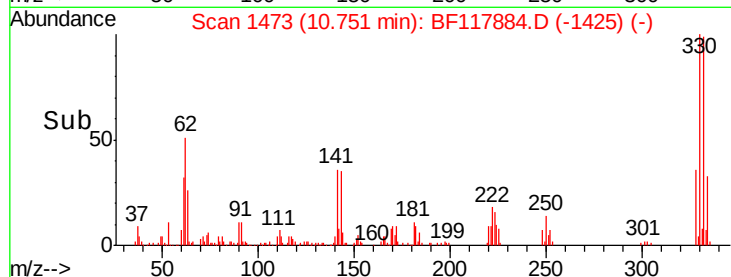
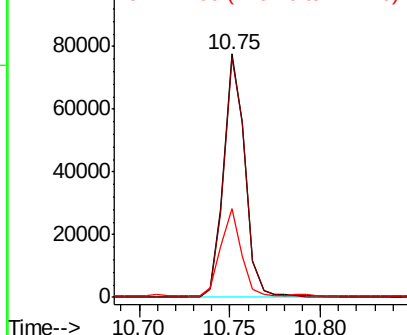
Tot Ion:	330	Resp:	64053
Ion Ratio	Lower	Upper	
330	100		
332	98.0	76.7	115.1
141	33.7	27.7	41.5

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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: 15.315 ng

RT: 9.28 min Scan# 1223

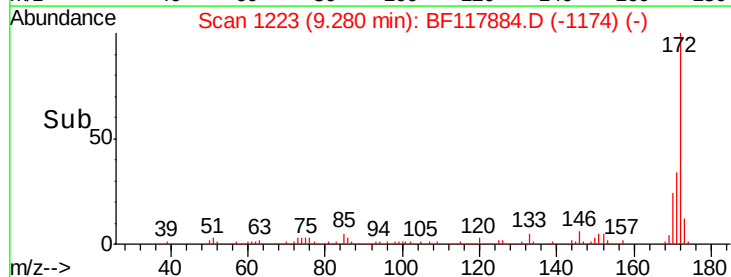
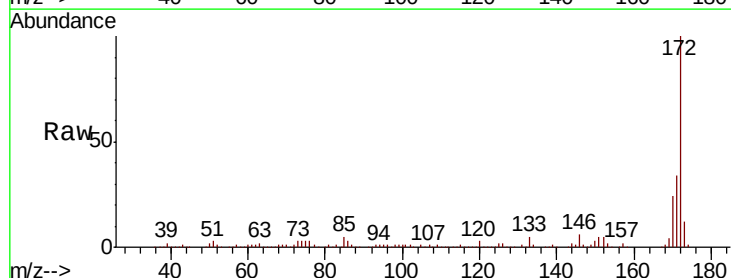
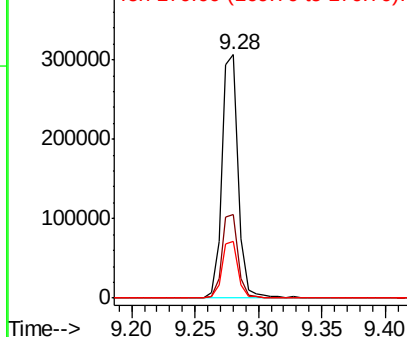
Delta R.T. -0.01 min

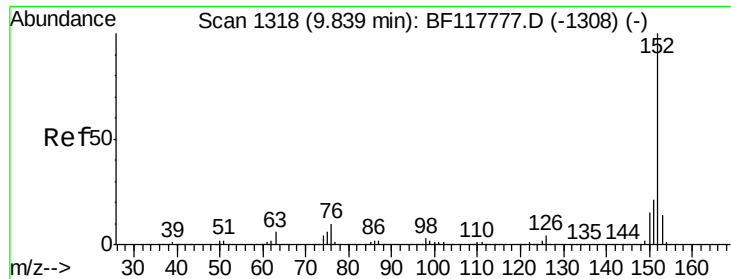
Lab File: BF117884.D

Acq: 20 Nov 2019 11:17

Tgt Ion:	172	Resp:	276776
Ion Ratio	Lower	Upper	
172	100		
171	34.5	30.9	46.3
170	23.5	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





#49

Acenaphthylene

Concen: 2.021 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF117884.D

Acq: 20 Nov 2019 11:17

Instrument :

BNA_F

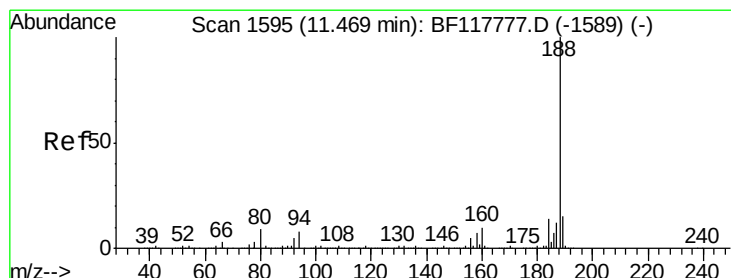
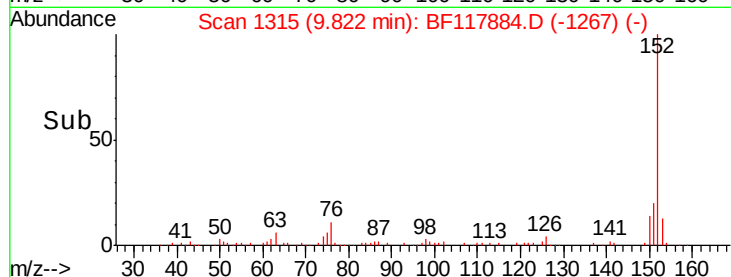
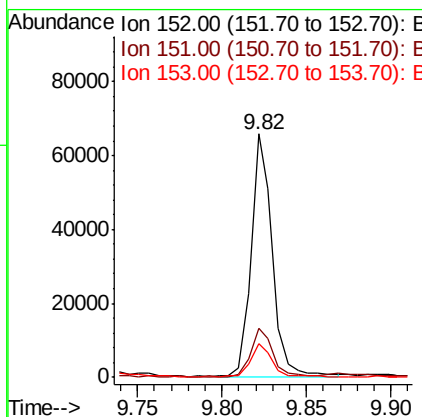
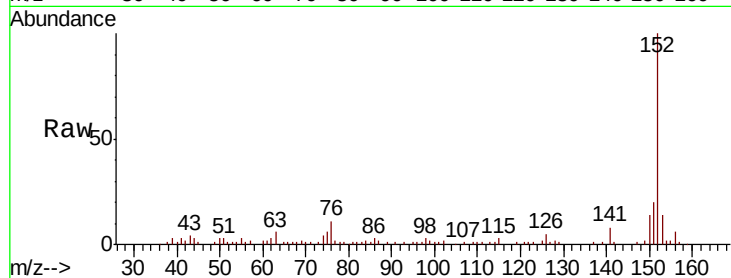
ClientSampleId :

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Tot Ion:	152	Resp:	58300
Ion Ratio	Lower	Upper	
152	100		
151	20.4	17.0	25.6
153	13.9	11.0	16.6

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#64

Phenanthrene-d10

Concen: 20.000 ng

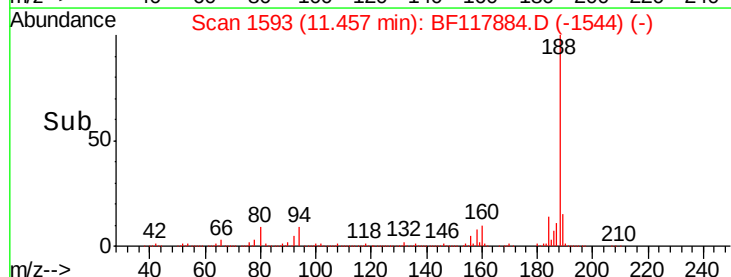
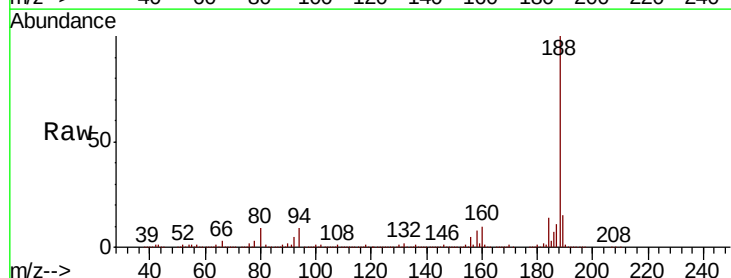
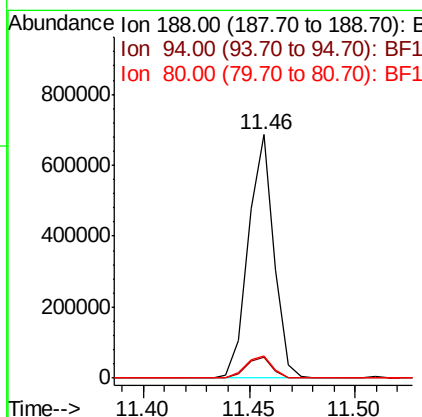
RT: 11.46 min Scan# 1593

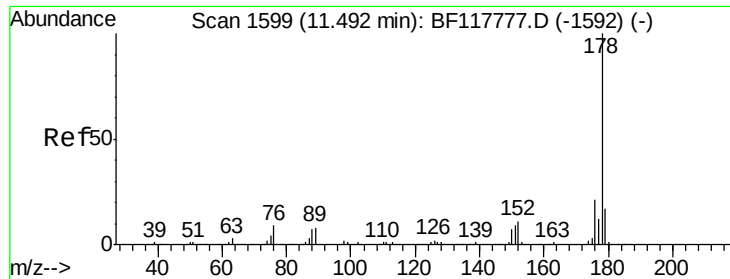
Delta R.T. -0.01 min

Lab File: BF117884.D

Acq: 20 Nov 2019 11:17

Tgt Ion:	188	Resp:	574126
Ion Ratio	Lower	Upper	
188	100		
94	8.6	6.6	10.0
80	9.2	7.2	10.8





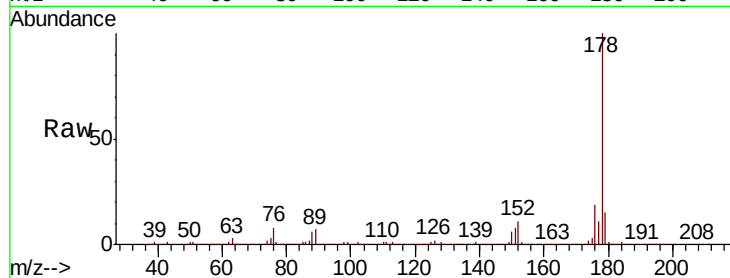
#71
Phenanthrene
Concen: 17.214 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117884.D
Acq: 20 Nov 2019 11:17

Instrument :
BNA_F
ClientSampleId :
UC-TPDL

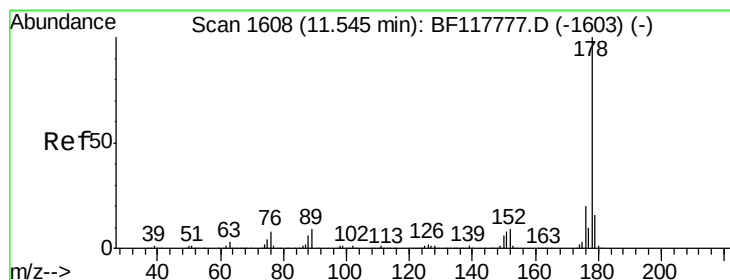
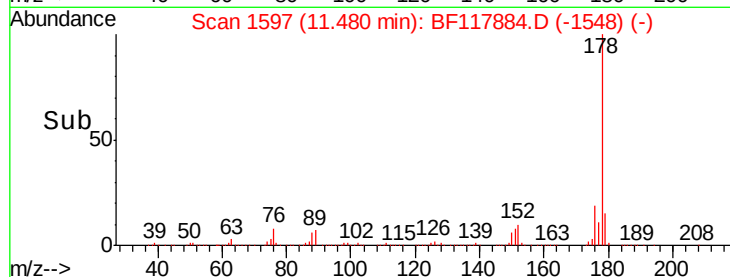
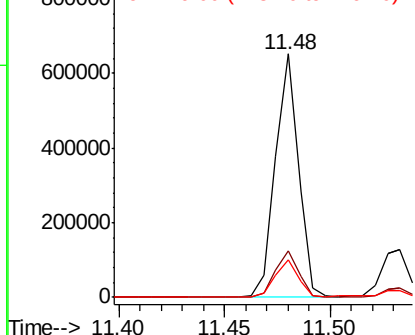
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.6	25.0
179	15.4	13.2	19.8

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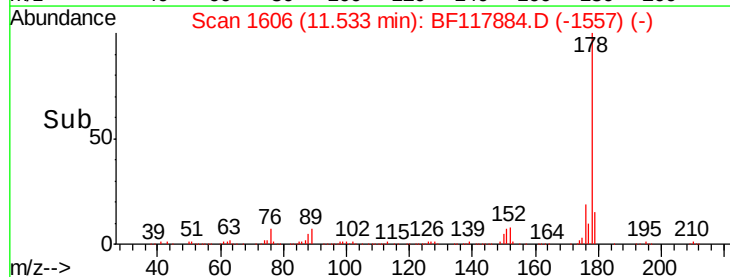
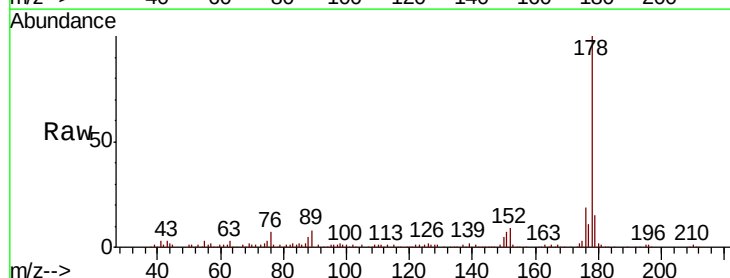
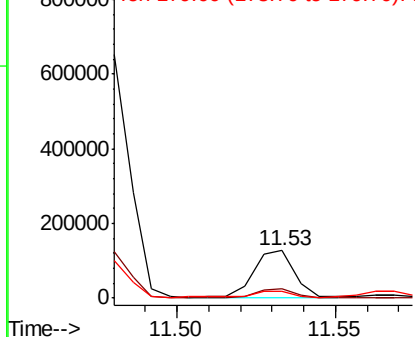
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

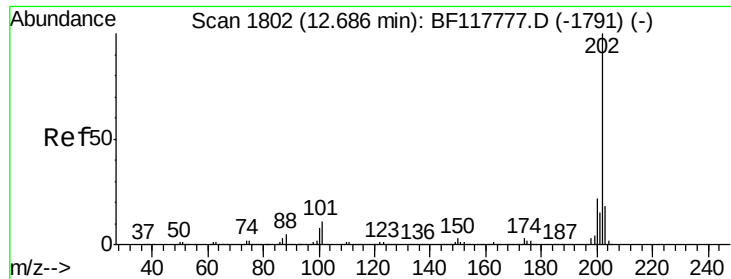


#72
Anthracene
Concen: 3.864 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF117884.D
Acq: 20 Nov 2019 11:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.1	24.1
179	15.5	13.0	19.4

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: 24.388 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117884.D

Acq: 20 Nov 2019 11:17

Instrument :

BNA_F

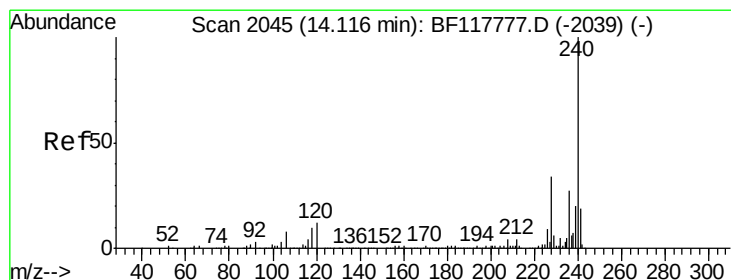
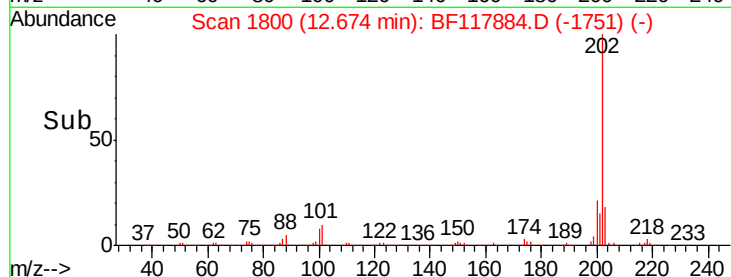
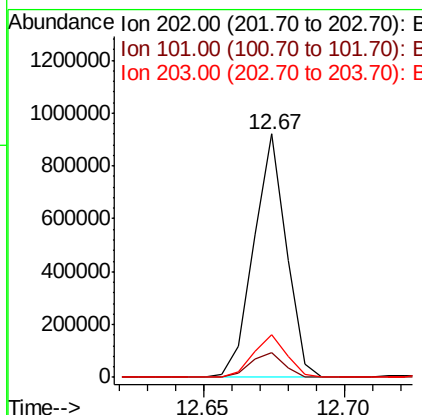
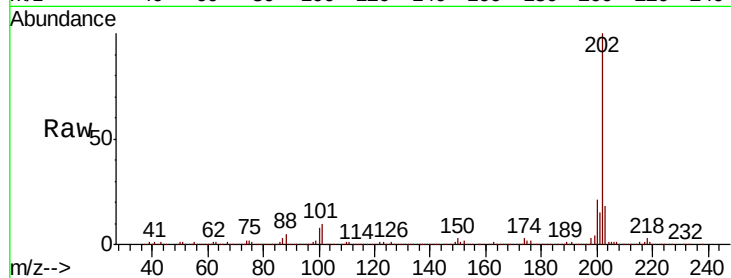
ClientSampleId :

UC-TPDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		731647		
101	10.4	0.0	31.1		
203	17.7	0.0	38.2		

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#76

Chrysene-d12

Concen: 20.000 ng

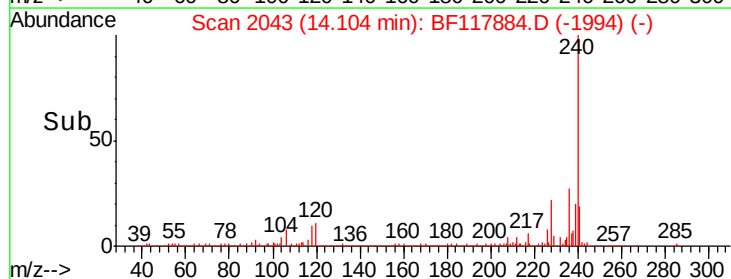
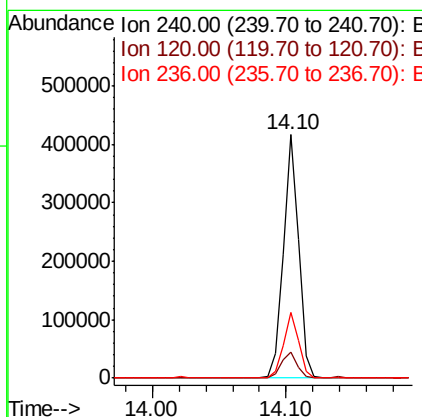
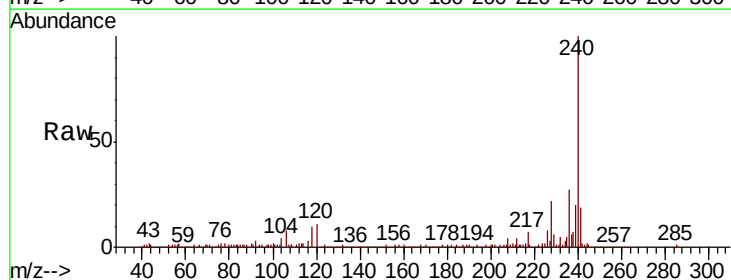
RT: 14.10 min Scan# 2043

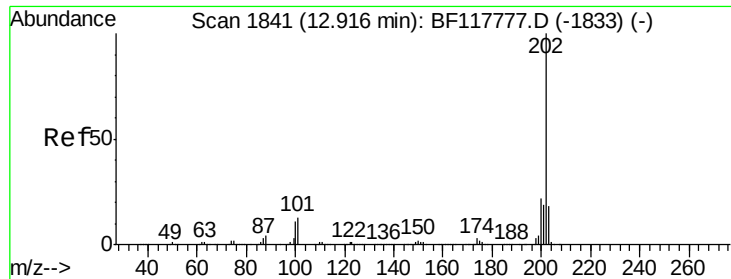
Delta R.T. -0.01 min

Lab File: BF117884.D

Acq: 20 Nov 2019 11:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		339892		
120	10.7	9.5	14.3		
236	27.0	21.3	31.9		





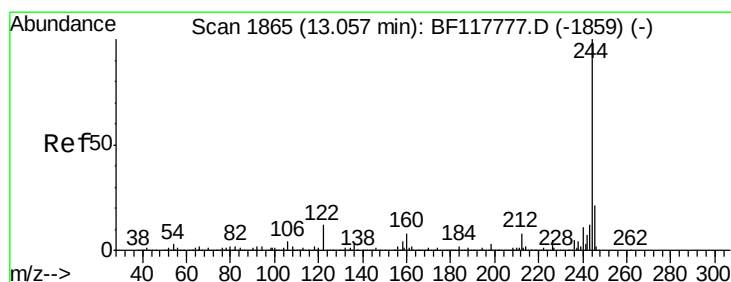
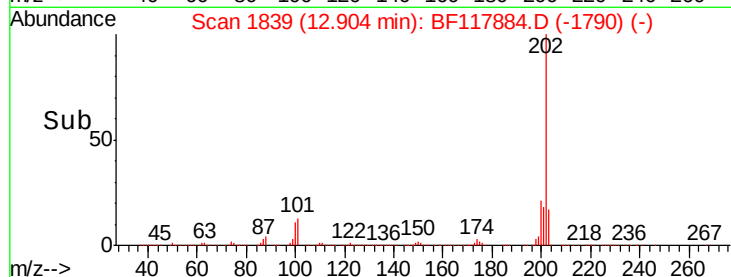
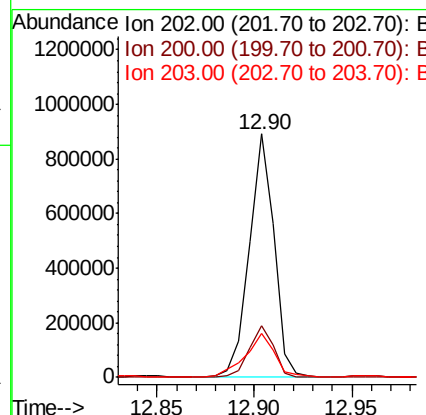
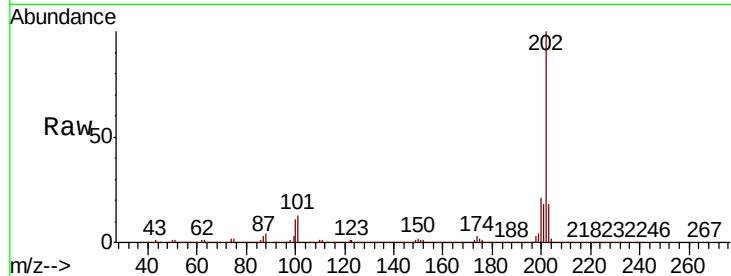
#78
Pvrene
Concen: 28.526 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117884.D
Acq: 20 Nov 2019 11:17

Instrument :
BNA_F
ClientSampled :
UC-TPDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.8	26.8
203	17.9	14.6	22.0

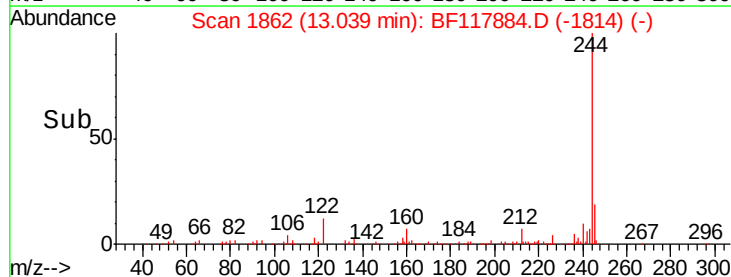
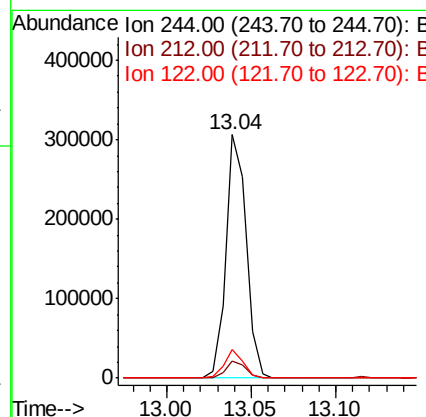
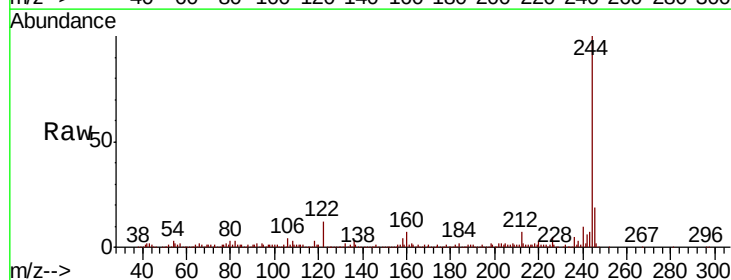
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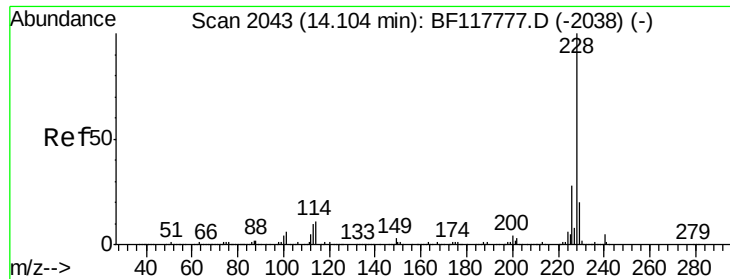
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#79
Terphenyl-d14
Concen: 13.740 ng
RT: 13.04 min Scan# 1862
Delta R.T. -0.02 min
Lab File: BF117884.D
Acq: 20 Nov 2019 11:17

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	6.3	9.5
122	11.8	9.4	14.2





#81

Benzo(a)anthracene

Concen: 16.505 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF117884.D

Acq: 20 Nov 2019 11:17

Instrument :

BNA_F

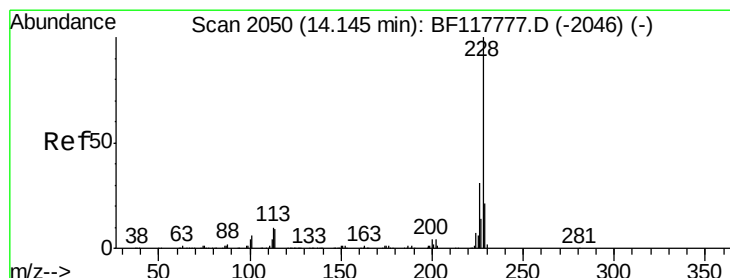
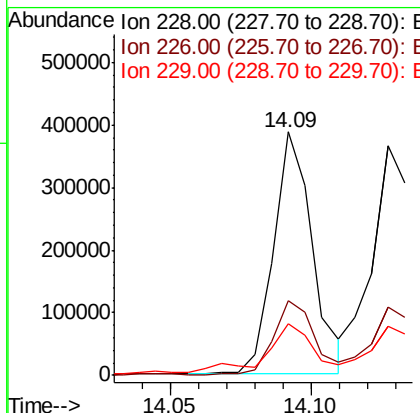
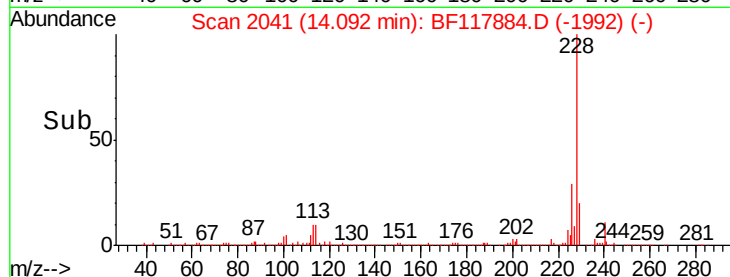
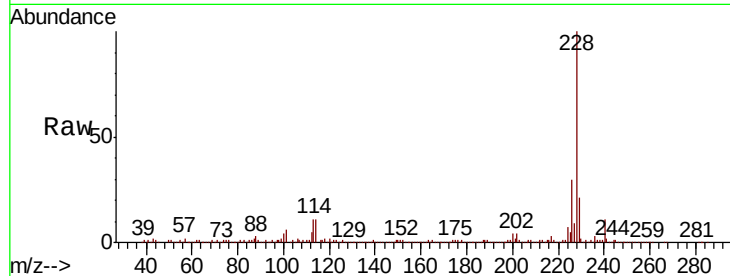
ClientSampleId :

UC-TPDL

Tot Ion:	228	Resp:	370706
Ion Ratio	Lower	Upper	
228	100		
226	30.4	22.2	33.2
229	21.4	15.9	23.9

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#83

Chrysene

Concen: 16.465 ng

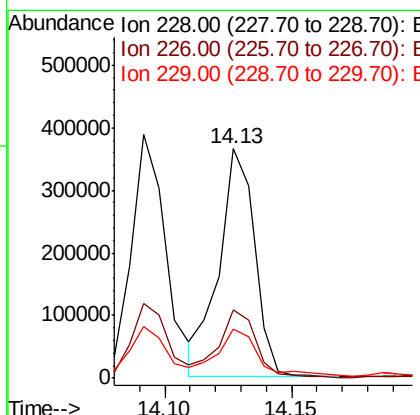
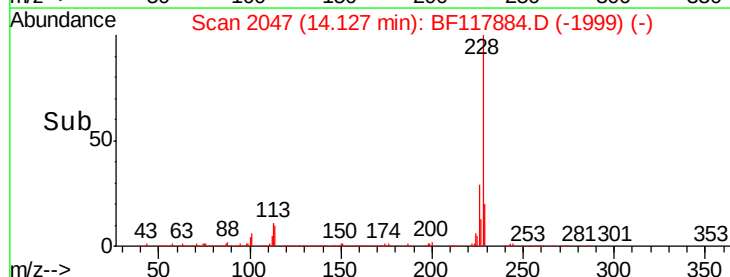
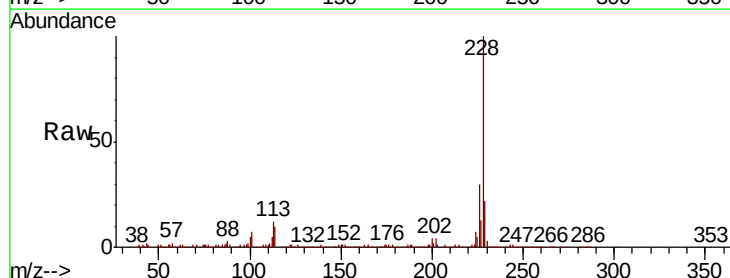
RT: 14.13 min Scan# 2047

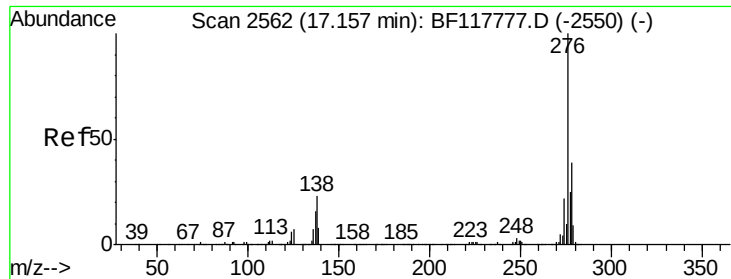
Delta R.T. -0.02 min

Lab File: BF117884.D

Acq: 20 Nov 2019 11:17

Tgt Ion:	228	Resp:	358339
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.0	37.4
229	21.5	16.6	25.0





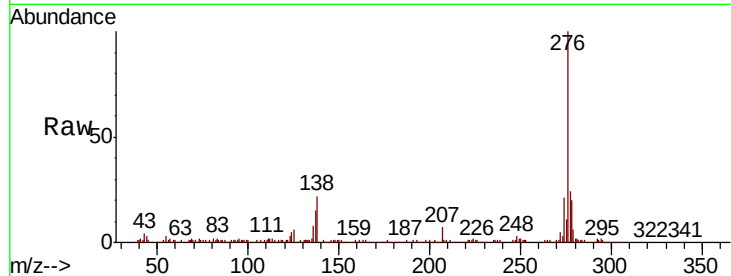
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 11.008 ng
 RT: 17.14 min Scan# 2559
 Delta R.T. -0.02 min
 Lab File: BF117884.D
 Acq: 20 Nov 2019 11:17

Instrument :
 BNA_F
 ClientSampleID :
 UC-TPDL

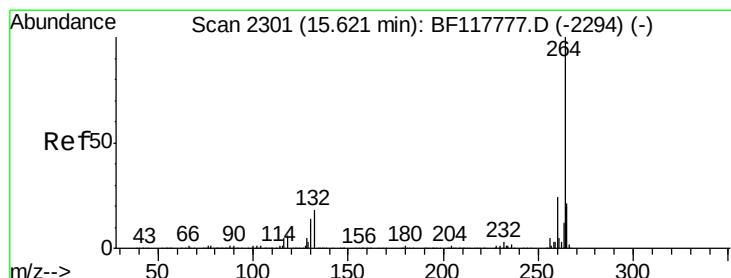
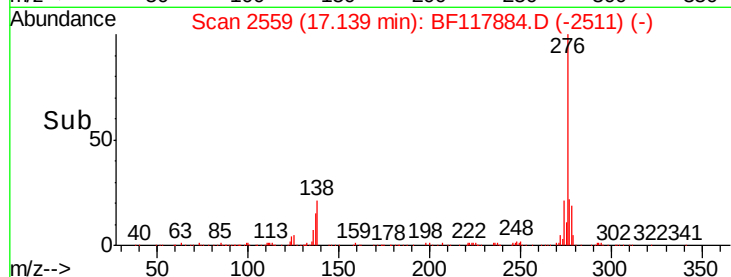
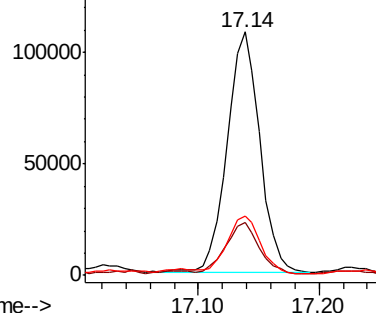
Tot Ion:	276	Resp:	203905
Ion Ratio	Lower	Upper	
276	100		
138	21.5	20.9	31.3
277	24.3	20.3	30.5

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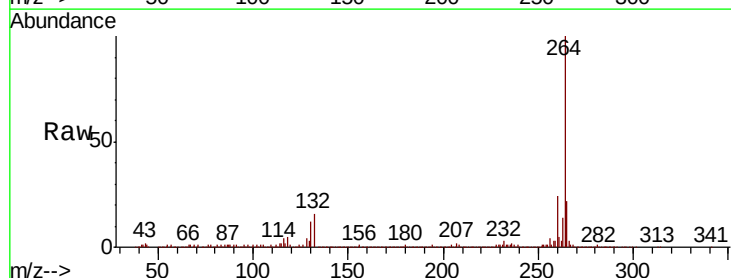


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

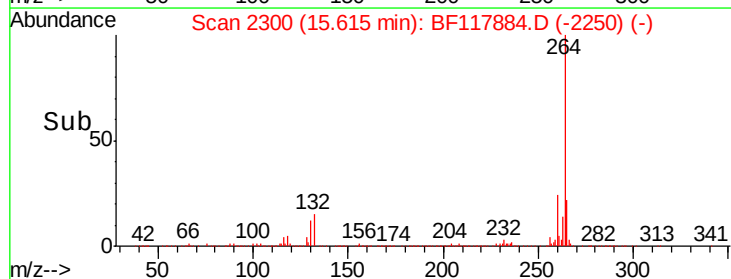
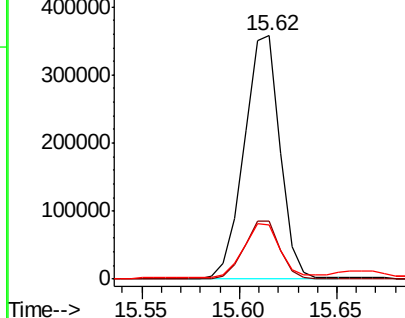


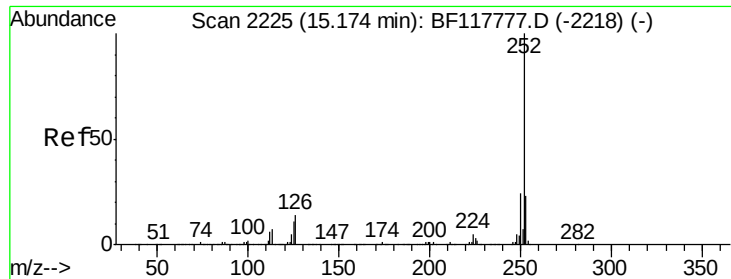
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.62 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BF117884.D
 Acq: 20 Nov 2019 11:17

Tgt Ion:	264	Resp:	454022
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.4	29.0
265	22.0	17.1	25.7



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





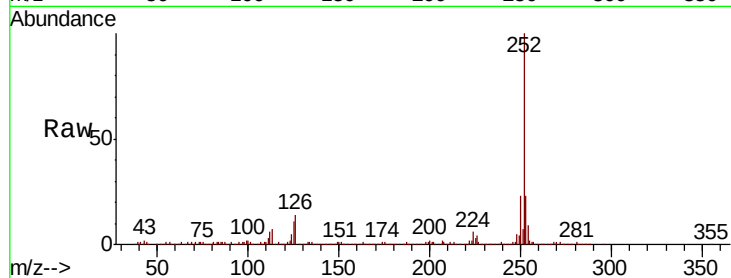
#88
Benzo(b)fluoranthene
Concen: 16.070 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117884.D
Acq: 20 Nov 2019 11:17

Instrument :
BNA_F
ClientSampleId :
UC-TPDL

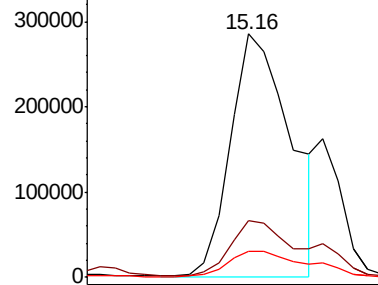
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	10.7	8.6	13.0

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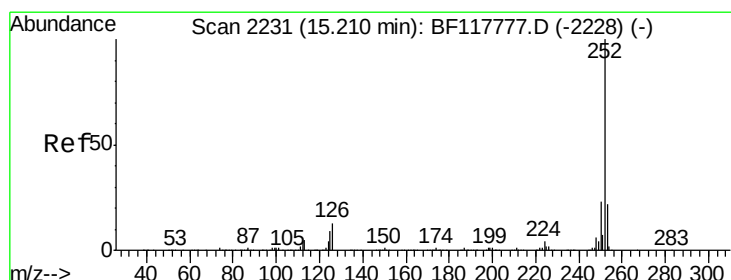
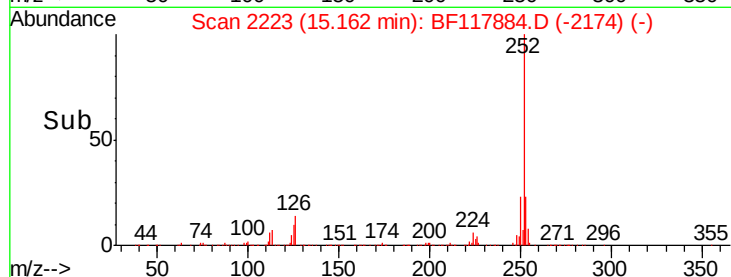
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



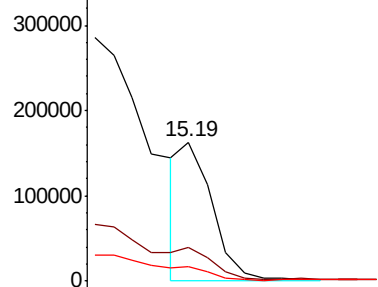
Time--> 15.10 15.15 15.20



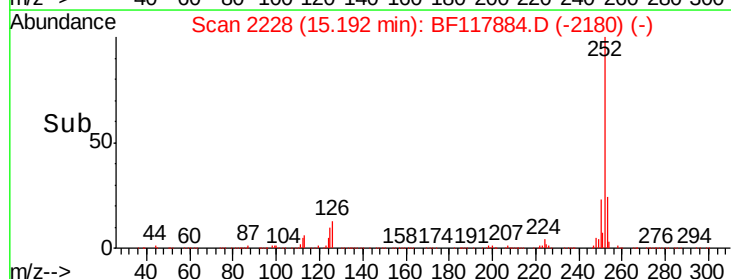
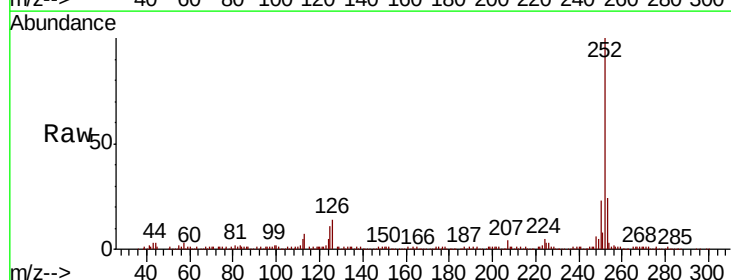
#89
Benzo(k)fluoranthene
Concen: 4.192 ng m
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF117884.D
Acq: 20 Nov 2019 11:17

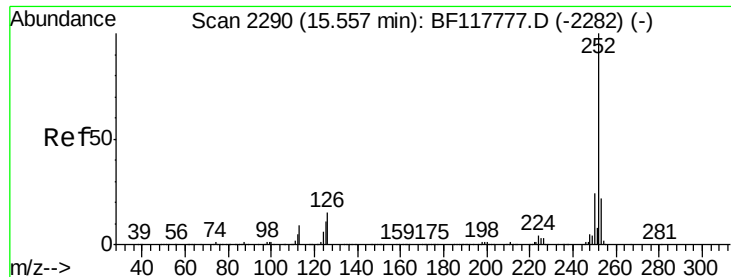
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	10.6	7.9	11.9

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



Time--> 15.20





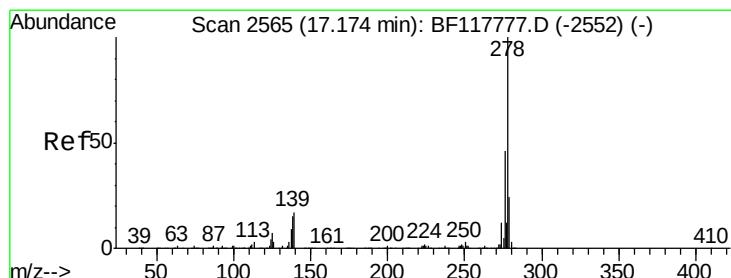
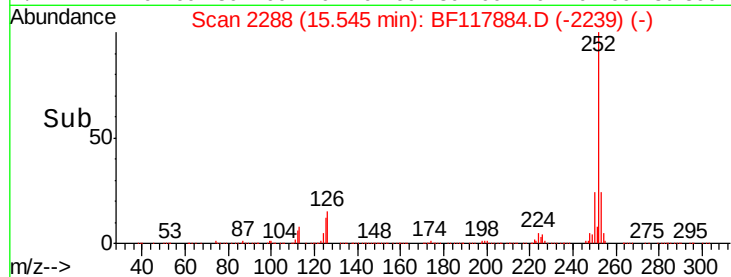
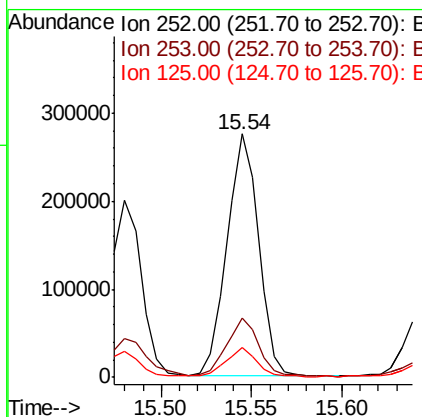
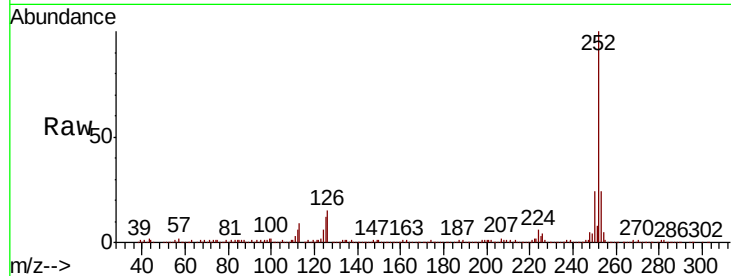
#90
Benzo(a)pyrene
Concen: 12.855 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF117884.D
Acq: 20 Nov 2019 11:17

Instrument :
BNA_F
ClientSampleId :
UC-TPDL

Tot Ion:	252	Resp:	333442
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.8	26.6
125	12.0	9.2	13.8

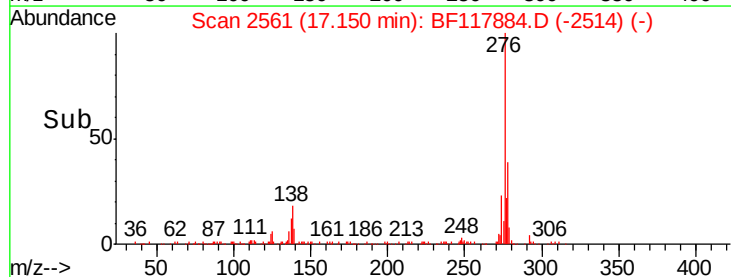
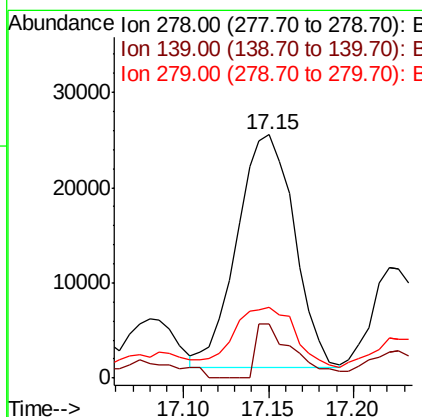
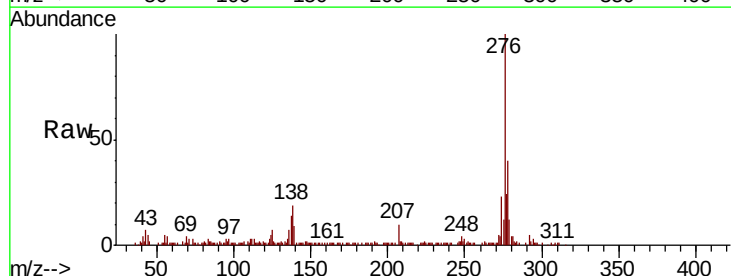
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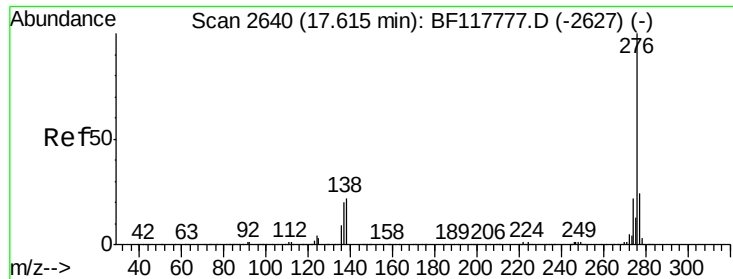
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#91
Dibenzo(a,h)anthracene
Concen: 2.559 ng m
RT: 17.15 min Scan# 2561
Delta R.T. -0.02 min
Lab File: BF117884.D
Acq: 20 Nov 2019 11:17

Tgt Ion:	278	Resp:	57132
Ion Ratio	Lower	Upper	
278	100		
139	22.0	13.8	20.8#
279	29.2	19.6	29.4





#92
 Benzo(a,h,i)perylene
 Concen: 9.194 ng
 RT: 17.60 min Scan# 2638
 Delta R.T. -0.01 min
 Lab File: BF117884.D
 Acq: 20 Nov 2019 11:17

Instrument :
 BNA_F
 ClientSampleId :
 UC-TPDL

Tot Ion:	276	Resp:	204447
Ion Ratio	Lower	Upper	
276	100		
277	22.8	18.9	28.3
138	21.8	17.4	26.2

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