

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\
 Data File : BF117885.D
 Acq On : 20 Nov 2019 11:43
 Operator : JU
 Sample : K5833-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6-(2-4)

Manual Integrations
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Quant Time: Nov 20 13:45:47 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	159450	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	655193	20.00	ng	-0.02
39) Acenaphthene-d10	9.96	164	317096	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	618500	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	440978	20.00	ng	-0.01
87) Perylene-d12	15.61	264	436243	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	784051	87.04	ng	0.00
7) Phenol-d6	6.53	99	1170618	107.74	ng	-0.01
23) Nitrobenzene-d5	7.47	82	751118	68.15	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	316935	94.41	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1340898	75.86	ng	-0.01
79) Terphenyl-d14	13.04	244	1584960	65.69	ng	-0.01
Target Compounds						
10) Phenol	6.55	94	57305	5.076	ng	97
50) Dimethylphthalate	9.67	163	142656	6.416	ng	97
71) Phenanthrene	11.48	178	106032	3.410	ng	95
75) Fluoranthene	12.67	202	324156	4.710	ng	98
78) Pyrene	12.90	202	295086	8.280	ng	98
81) Benzo(a)anthracene	14.09	228	159311	5.467	ng	97
83) Chrysene	14.13	228	137891	4.883	ng	97
86) Indeno(1,2,3-cd)pyrene	17.13	276	85385	3.553	ng	94
88) Benzo(b)fluoranthene	15.16	252	154088m	5.437	ng	
90) Benzo(a)pyrene	15.54	252	112539	4.515	ng	99
92) Benzo(g,h,i)perylene	17.59	276	76789	3.594	ng	97

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

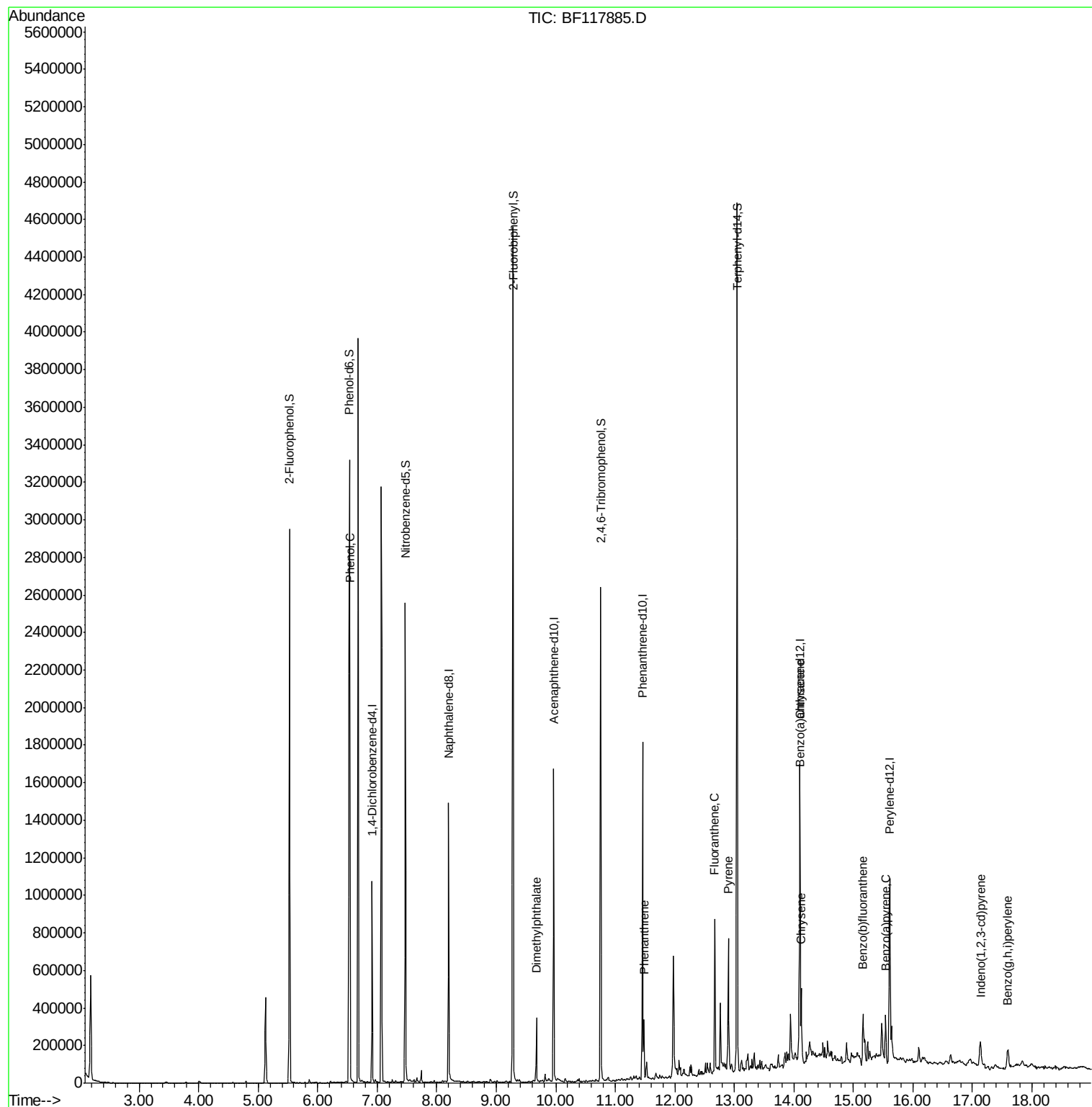
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\
Data File : BF117885.D
Acq On : 20 Nov 2019 11:43
Operator : JU
Sample : K5833-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

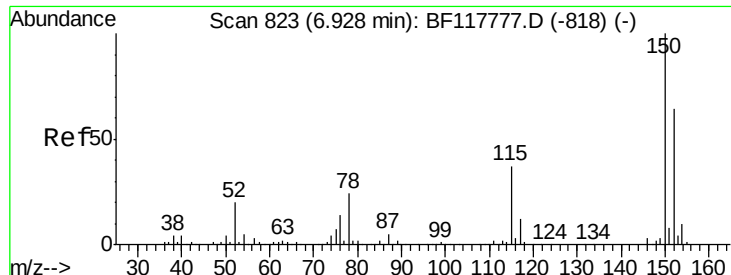
Instrument :
BNA_F
ClientSampleId :
6-(2-4)

Quant Time: Nov 20 13:45:47 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

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#1

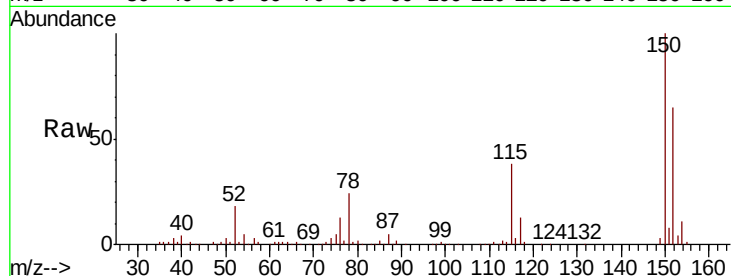
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117885.D
Acq: 20 Nov 2019 11:43

Instrument :
BNA_F
ClientSampleId :
6-(2-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	125.3	187.9
115	58.7	47.0	70.4

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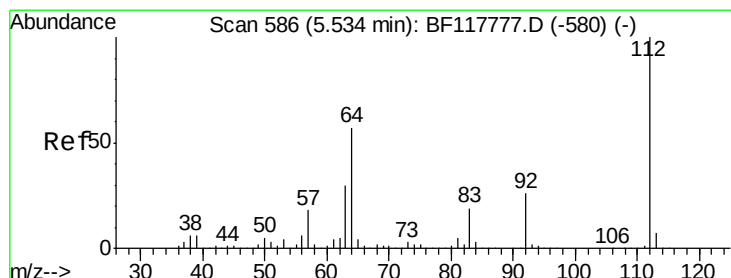
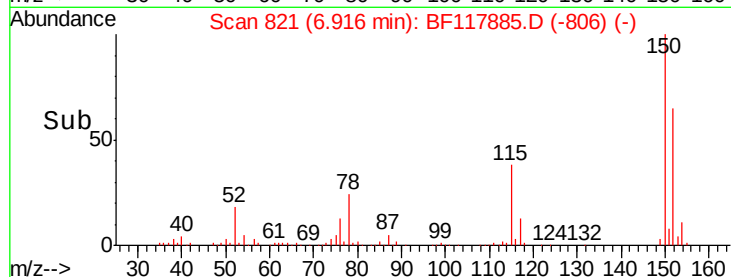
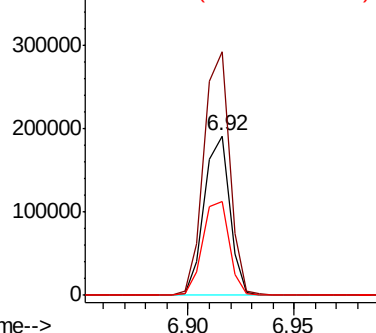


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

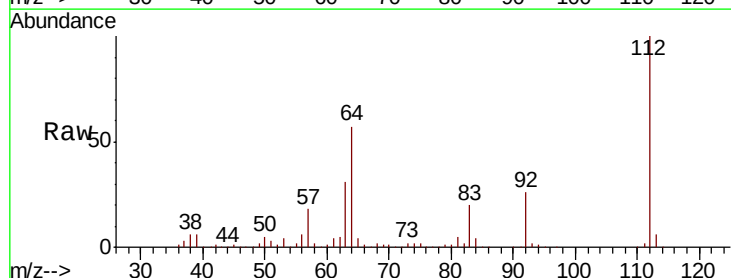
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.040 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117885.D
Acq: 20 Nov 2019 11:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	45.6	68.4
63	31.0	24.1	36.1

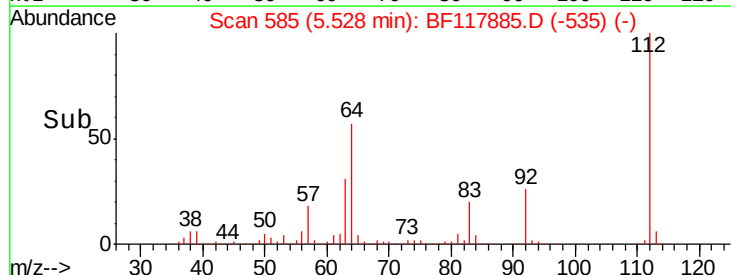
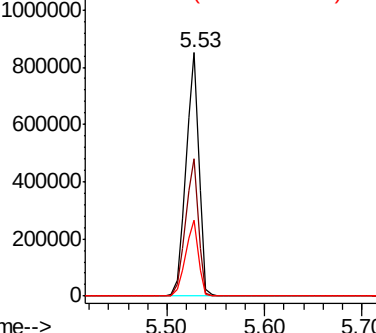


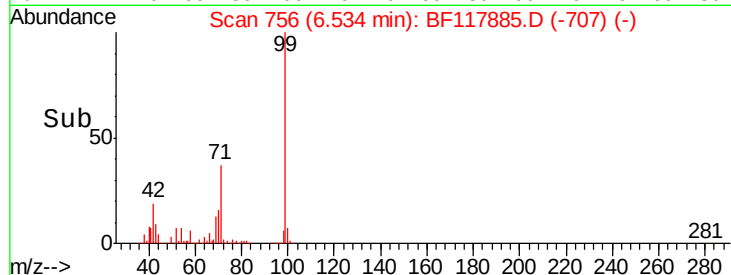
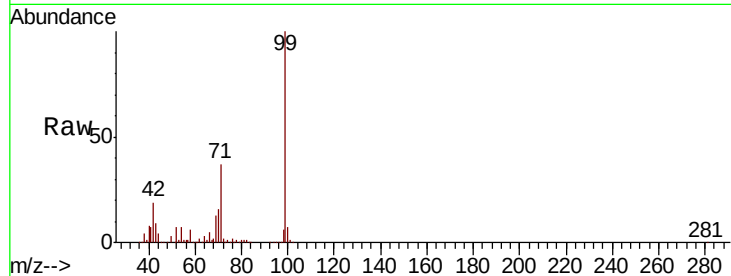
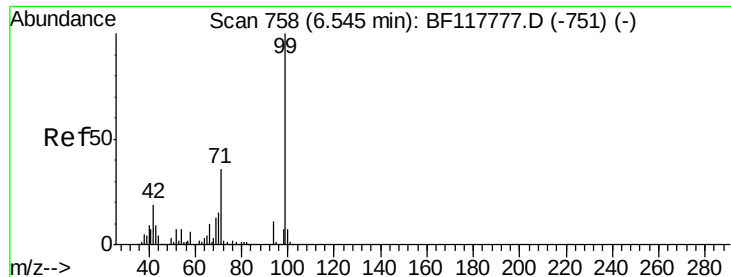
Abundance

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: 107.742 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117885.D

Acq: 20 Nov 2019 11:43

Tot Ion: 99 Resp: 1170618

Ion Ratio Lower Upper

99 100

42 19.3 14.9 22.3

71 37.4 28.6 43.0

Instrument :

BNA_F

ClientSampled :

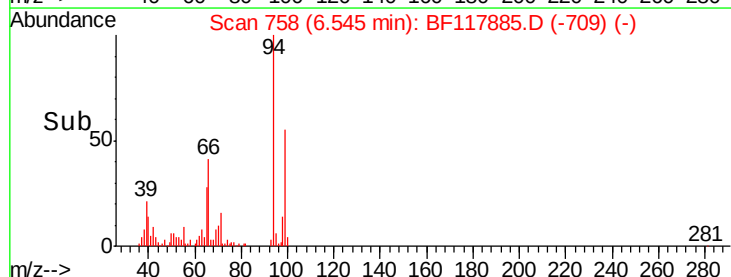
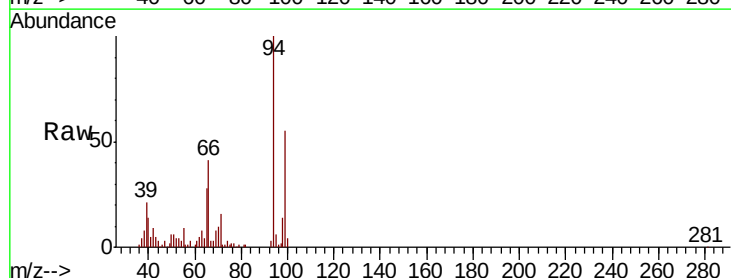
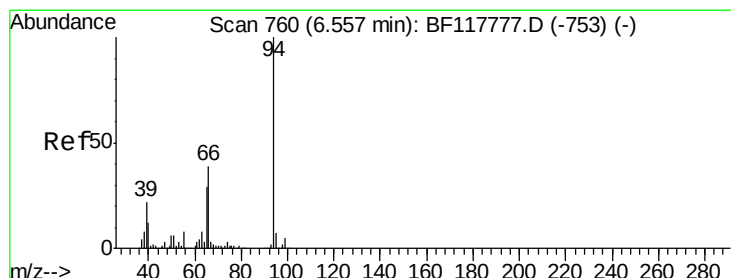
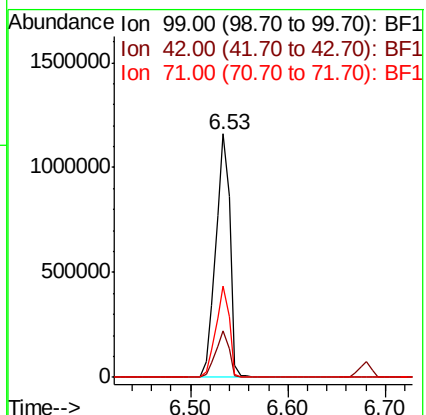
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#10

Phenol

Concen: 5.076 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117885.D

Acq: 20 Nov 2019 11:43

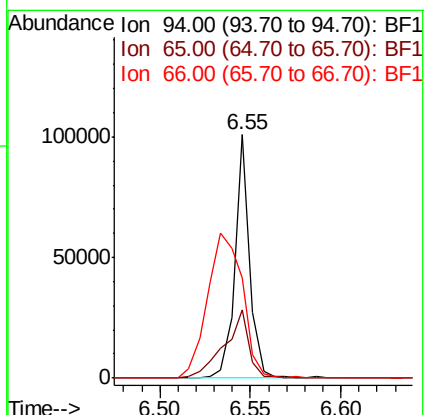
Tgt Ion: 94 Resp: 57305

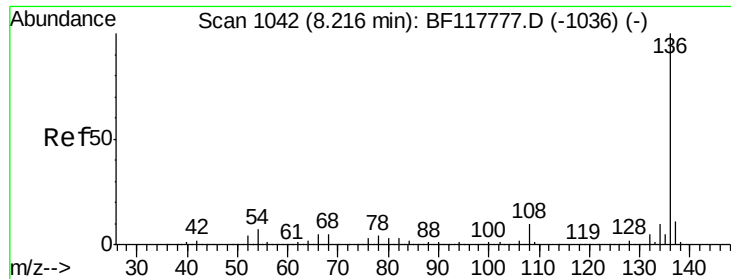
Ion Ratio Lower Upper

94 100

65 28.2 8.9 48.9

66 41.4 18.7 58.7





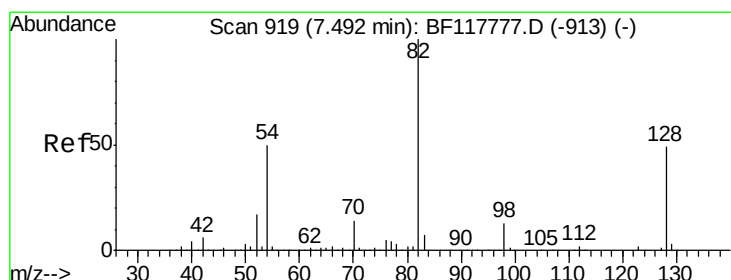
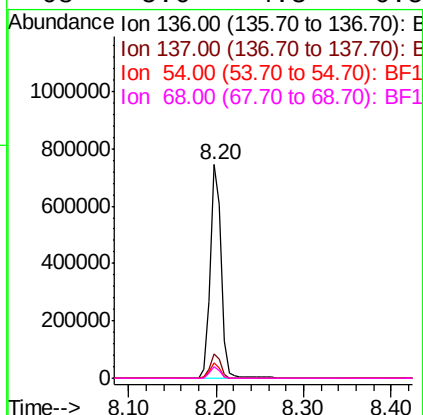
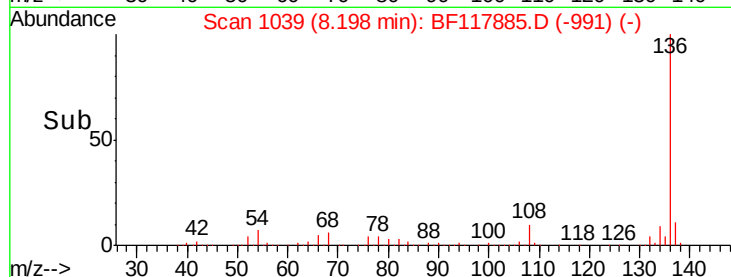
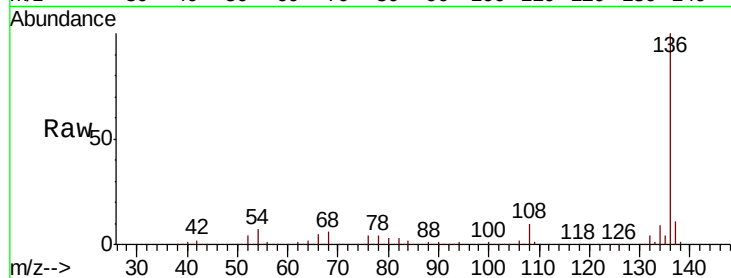
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BF117885.D
Acq: 20 Nov 2019 11:43

Instrument :
BNA_F
ClientSampleId :
6-(2-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		655193		
137	11.3	9.0	13.4		
54	7.3	5.4	8.2		
68	5.6	4.3	6.5		

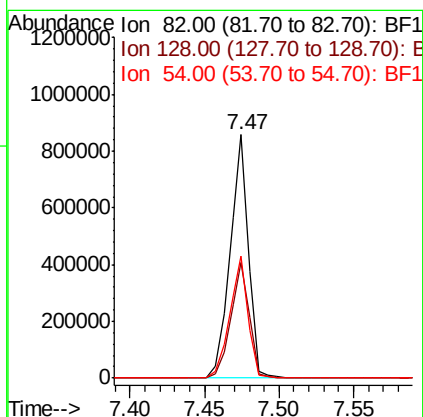
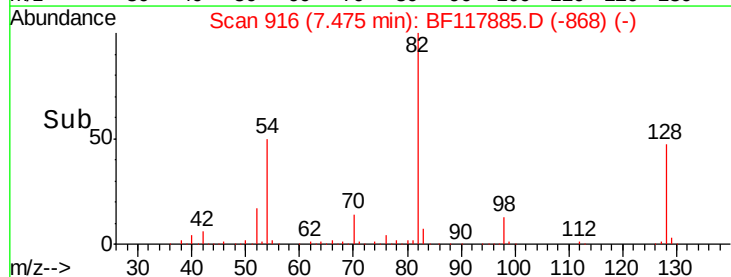
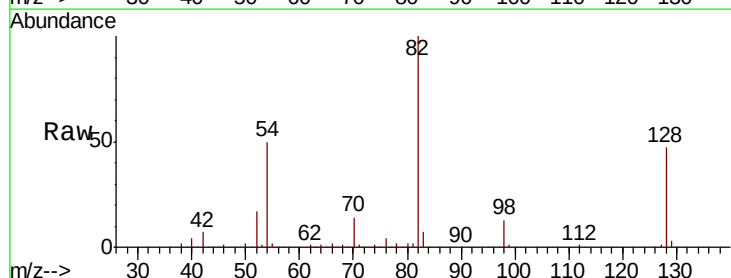
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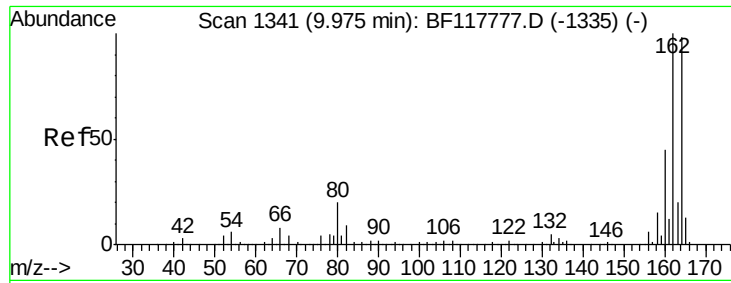
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#23
Nitrobenzene-d5
Concen: 68.149 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117885.D
Acq: 20 Nov 2019 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		751118		
128	47.5	38.9	58.3		
54	50.1	39.8	59.6		





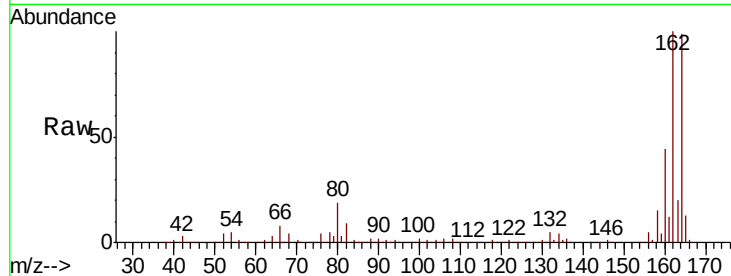
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117885.D
Acq: 20 Nov 2019 11:43

Instrument :
BNA_F
ClientSampled :
6-(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.1	81.3	121.9	
160	44.9	36.6	55.0	

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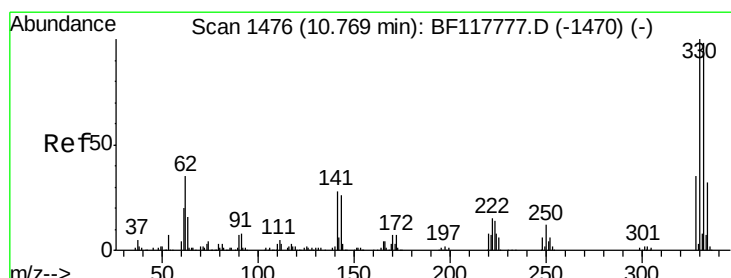
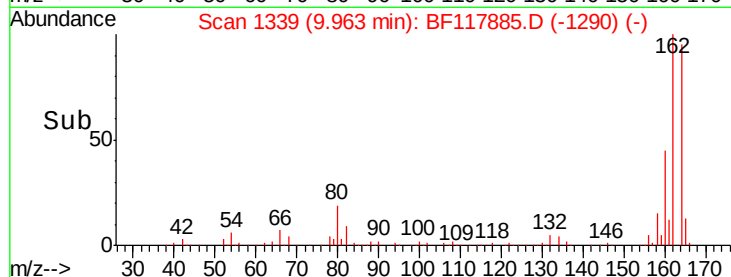
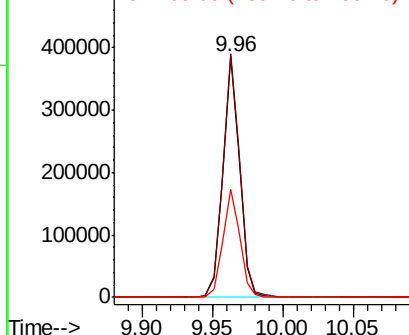


Abundance

Ion 164.00 (163.70 to 164.70): E

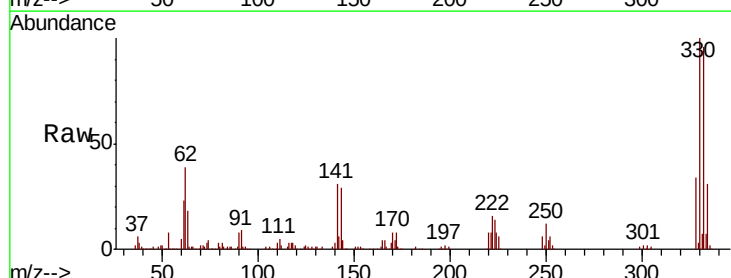
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 94.408 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117885.D
Acq: 20 Nov 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	76.7	115.1	
141	36.2	27.7	41.5	

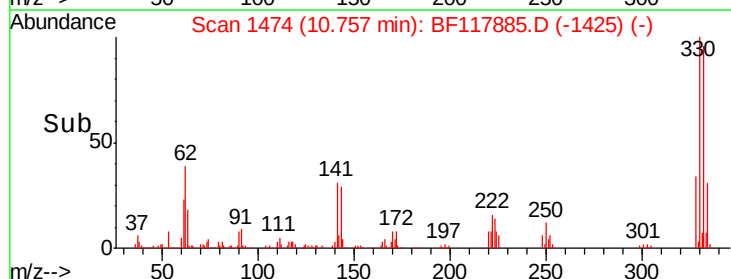
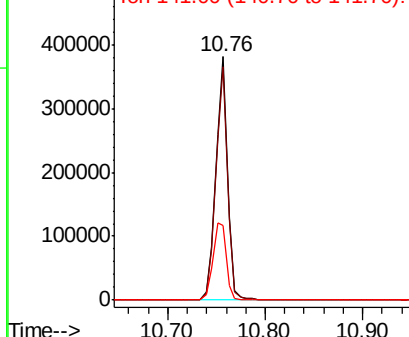


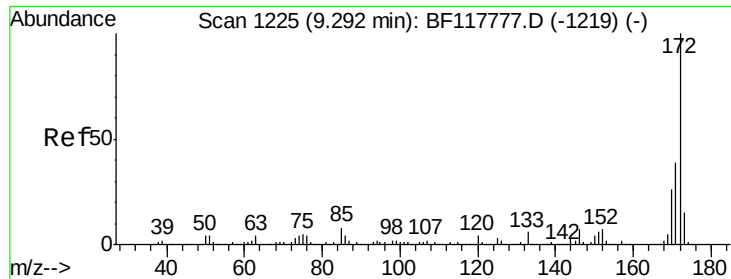
Abundance

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





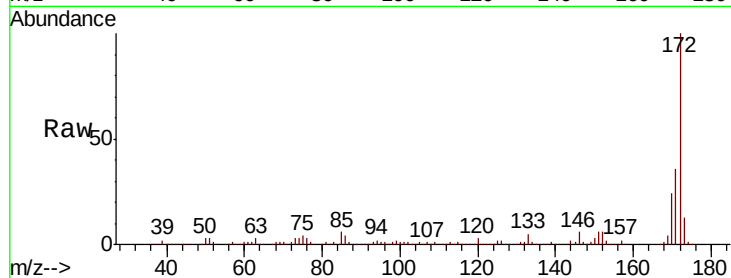
#45
2-Fluorobiphenyl
Concen: 75.864 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117885.D
Acq: 20 Nov 2019 11:43

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.9	46.3
170	24.2	21.0	31.4

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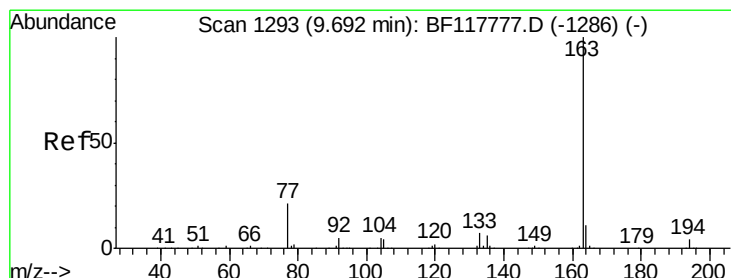
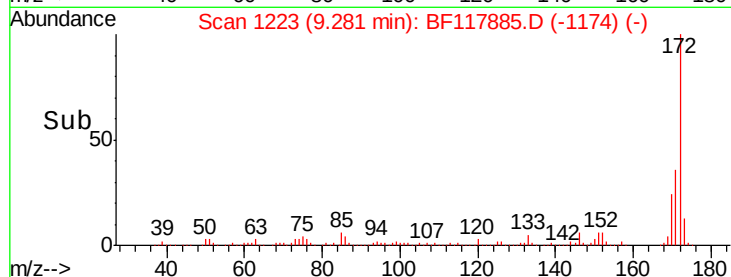
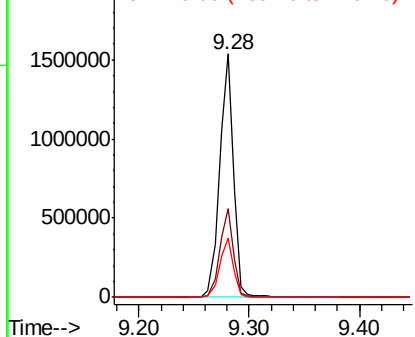


Abundance

Ion 172.00 (171.70 to 172.70): E

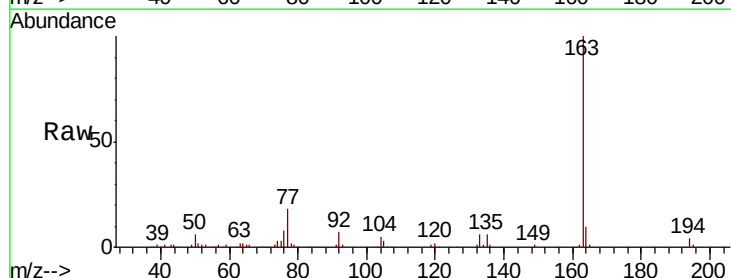
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 6.416 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117885.D
Acq: 20 Nov 2019 11:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.6	8.7	13.1

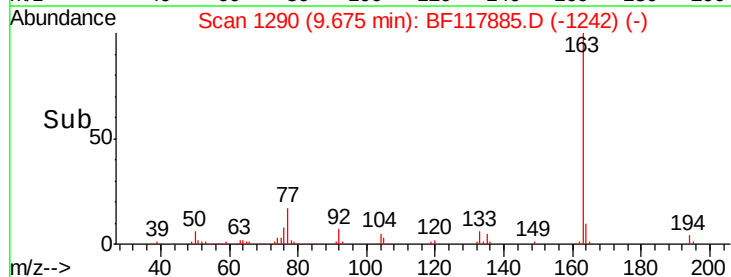
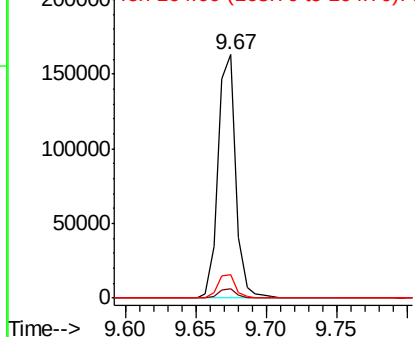


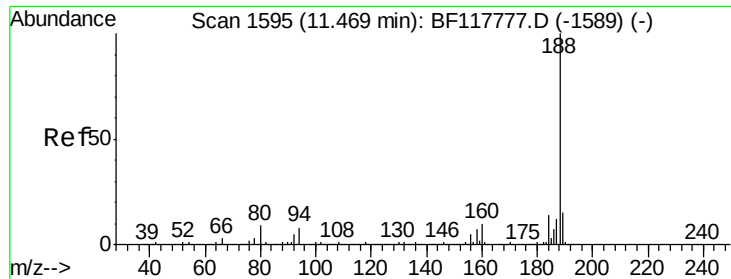
Abundance

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: BF117885.D

Acq: 20 Nov 2019 11:43

Instrument :

BNA_F

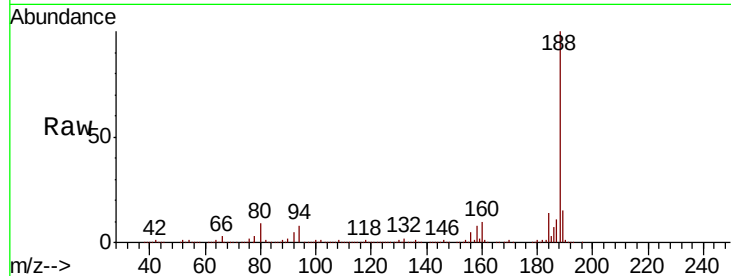
ClientSampled :

6-(2-4)

Tot Ion:188	Resp:	618500
Ion Ratio	Lower	Upper
188 100		
94 8.2	6.6	10.0
80 8.8	7.2	10.8

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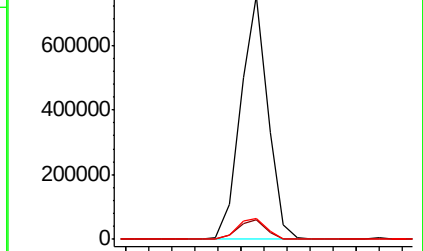
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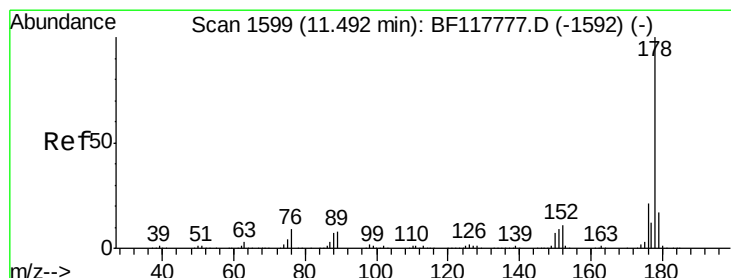
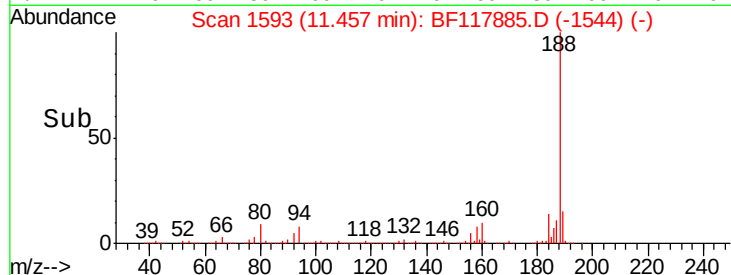
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#71

Phenanthrene

Concen: 3.410 ng

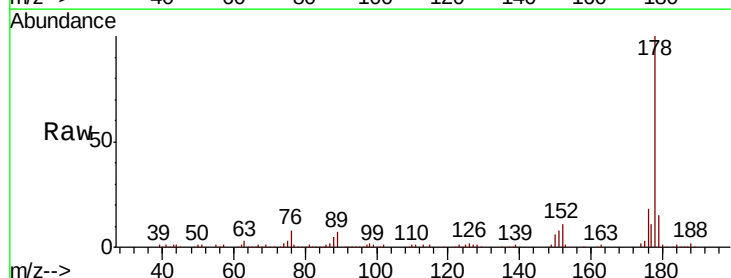
RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF117885.D

Acq: 20 Nov 2019 11:43

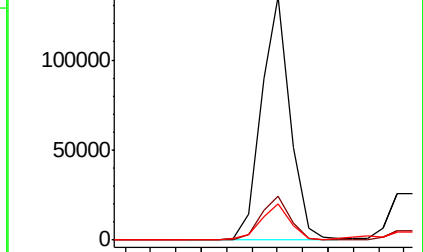
Tgt Ion:178	Resp:	106032
Ion Ratio	Lower	Upper
178 100		
176 18.1	16.6	25.0
179 15.0	13.2	19.8



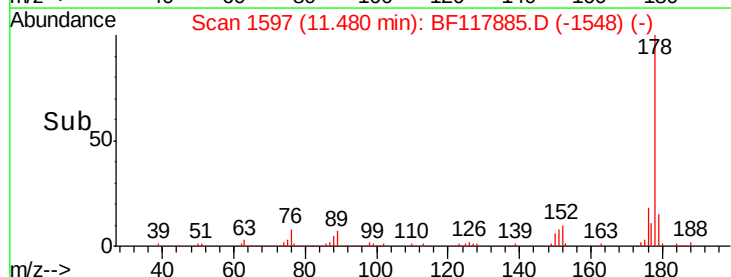
Abundance Ion 178.00 (177.70 to 178.70): E

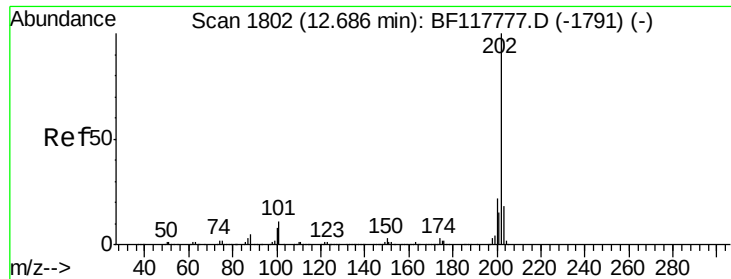
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#75

Fluoranthene

Concen: 4.710 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117885.D

Acq: 20 Nov 2019 11:43

Instrument :

BNA_F

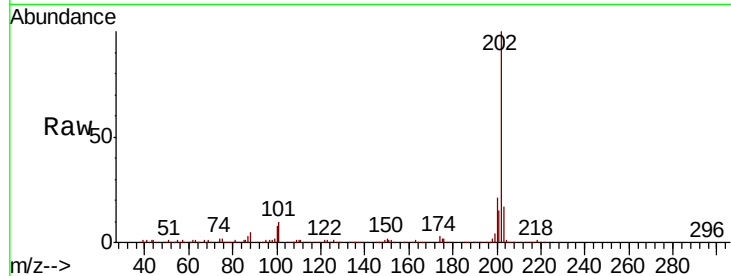
ClientSampleId :

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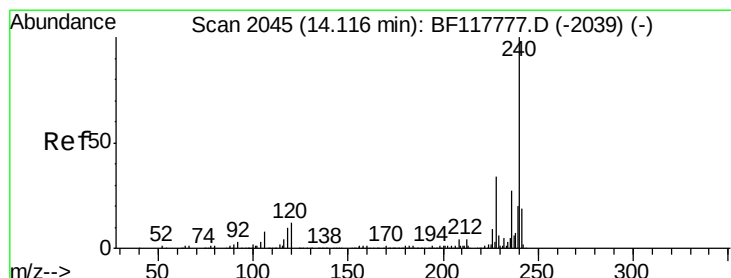
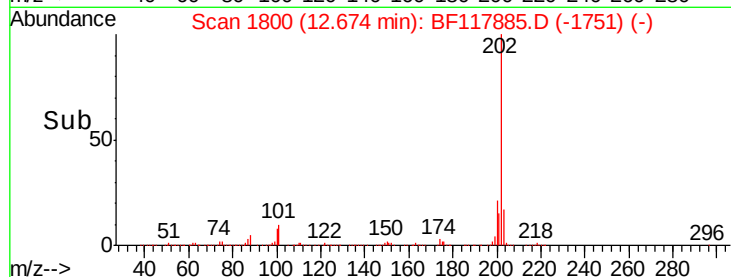
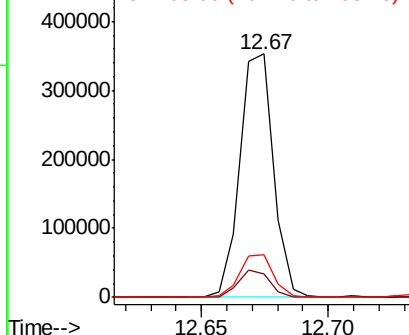
Tot Ion	Ratio	Resp	Lower	Upper
202	100	324156		
101	9.8	0.0	31.1	
203	17.5	0.0	38.2	

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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

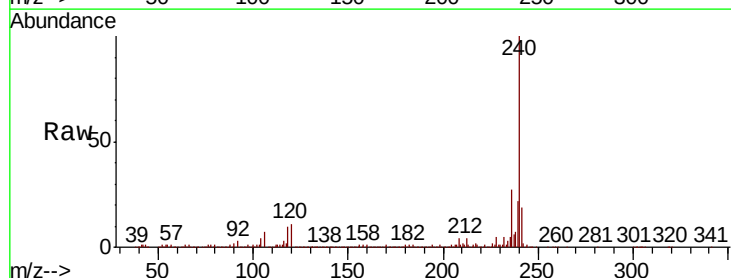
RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

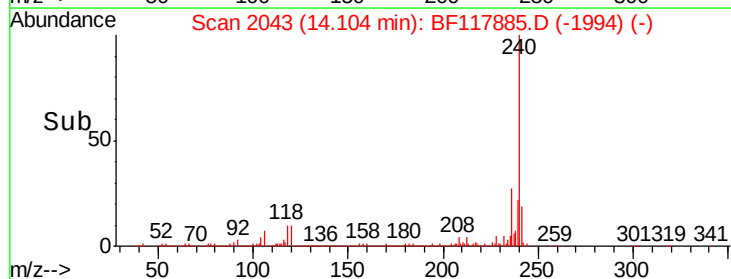
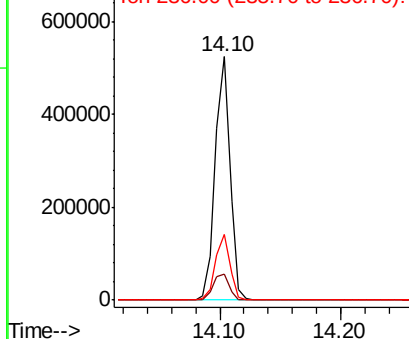
Lab File: BF117885.D

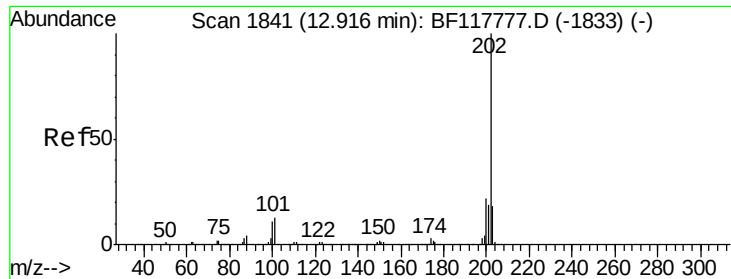
Acq: 20 Nov 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	440978		
120	10.5	9.5	14.3	
236	26.8	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





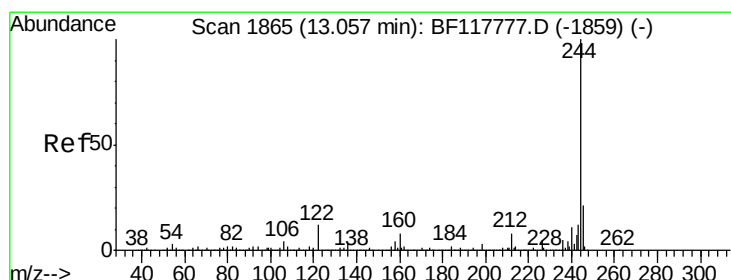
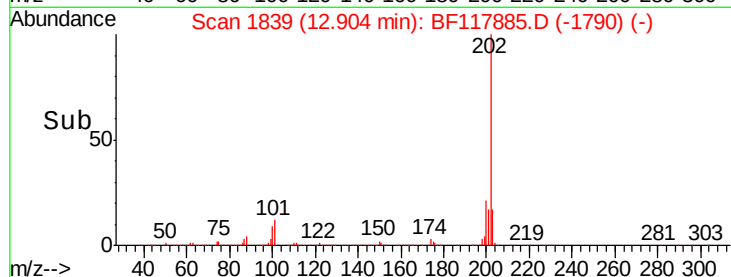
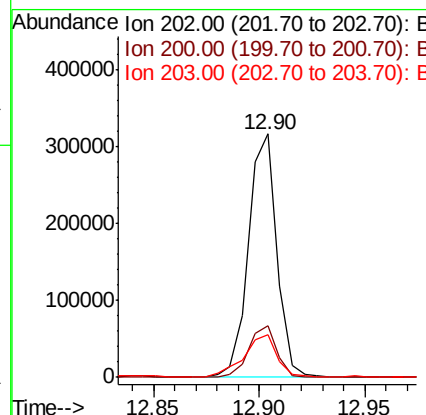
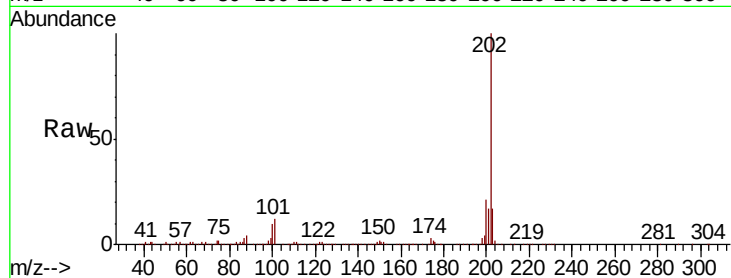
#78
Pvrene
Concen: 8.280 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117885.D
Acq: 20 Nov 2019 11:43

Instrument :
BNA_F
ClientSampleId :
6-(2-4)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.8	26.8
203	17.4	14.6	22.0

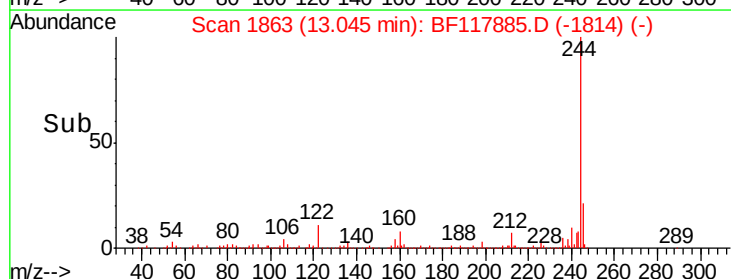
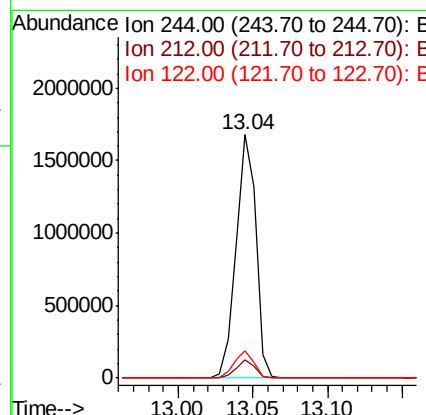
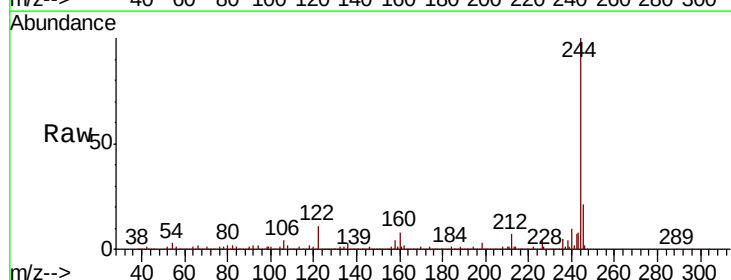
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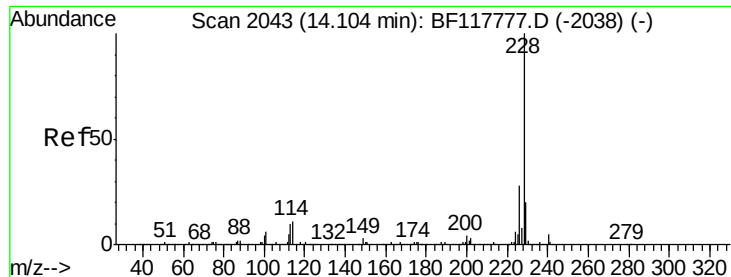
mohammad
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#79
Terphenyl-d14
Concen: 65.688 ng
RT: 13.04 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BF117885.D
Acq: 20 Nov 2019 11:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.3	9.5
122	11.4	9.4	14.2





#81

Benzo(a)anthracene

Concen: 5.467 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF117885.D

Acq: 20 Nov 2019 11:43

Instrument :

BNA_F

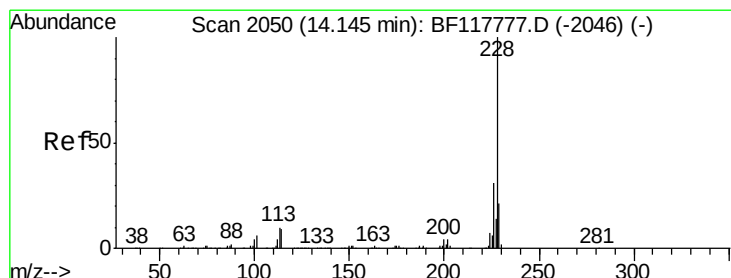
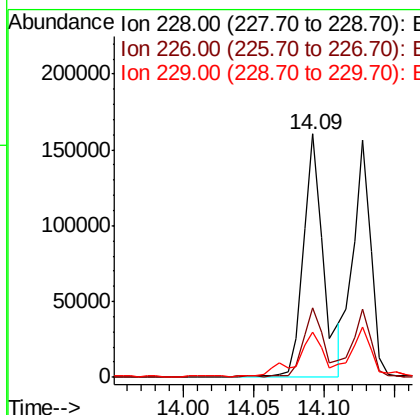
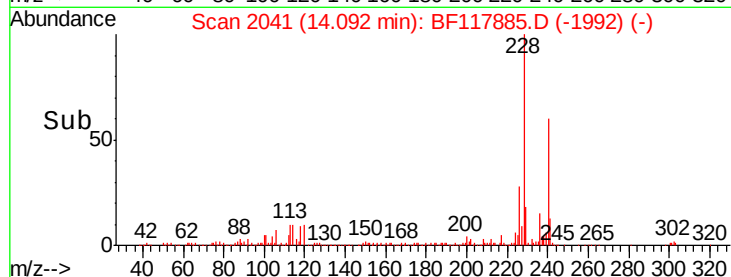
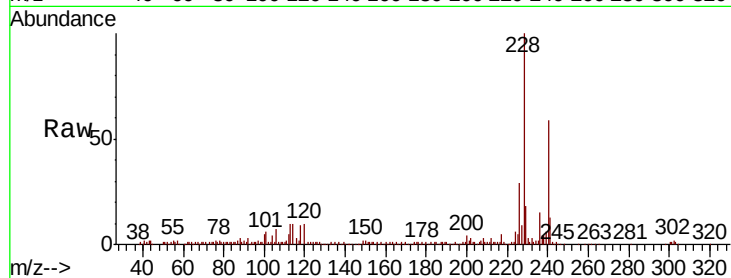
ClientSampleId :

6-(2-4)

Tot Ion:	228	Resp:	159311
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.2	33.2
229	18.4	15.9	23.9

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#83

Chrysene

Concen: 4.883 ng

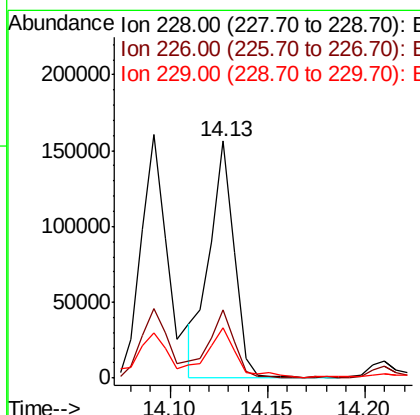
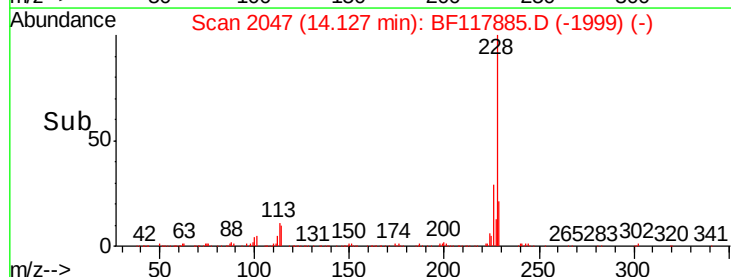
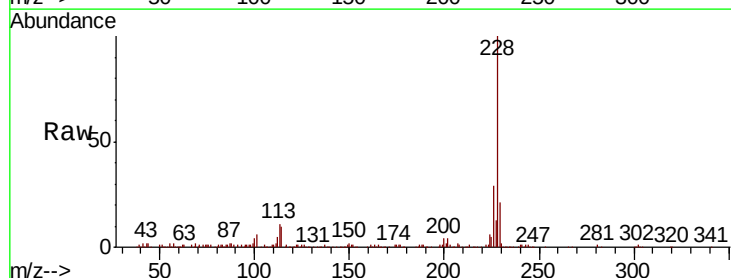
RT: 14.13 min Scan# 2047

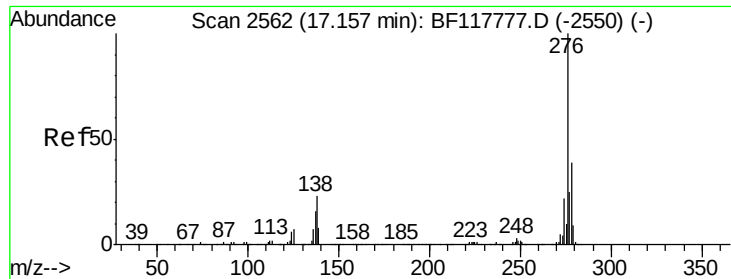
Delta R.T. -0.02 min

Lab File: BF117885.D

Acq: 20 Nov 2019 11:43

Tgt Ion:	228	Resp:	137891
Ion Ratio	Lower	Upper	
228	100		
226	28.9	25.0	37.4
229	21.1	16.6	25.0





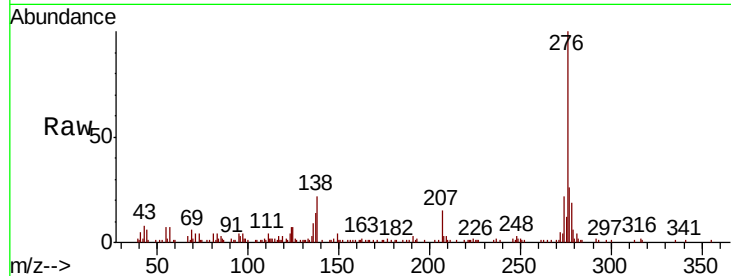
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.553 ng
RT: 17.13 min Scan# 2558
Delta R.T. -0.02 min
Lab File: BF117885.D
Acq: 20 Nov 2019 11:43

Instrument :
BNA_F
ClientSampleId :
6-(2-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	21.9	20.9	31.3		
277	23.7	20.3	30.5		

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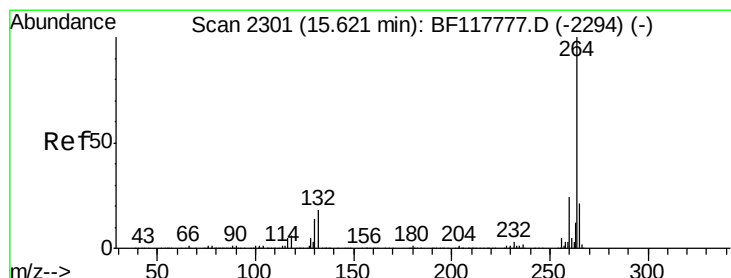
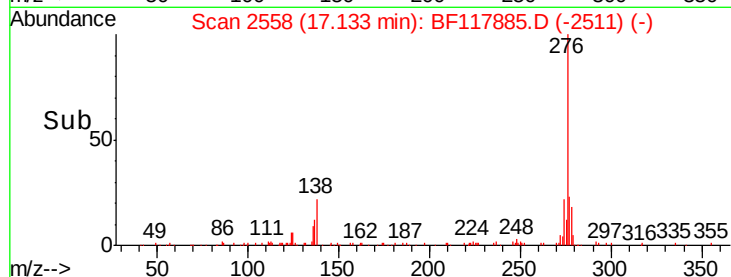
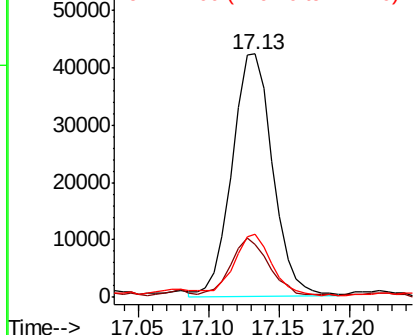


Abundance

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: 15.61 min Scan# 2299
Delta R.T. -0.01 min
Lab File: BF117885.D
Acq: 20 Nov 2019 11:43

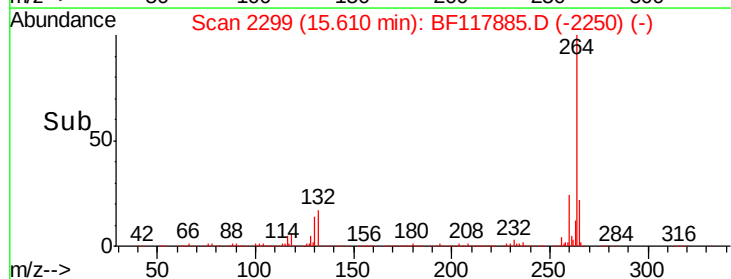
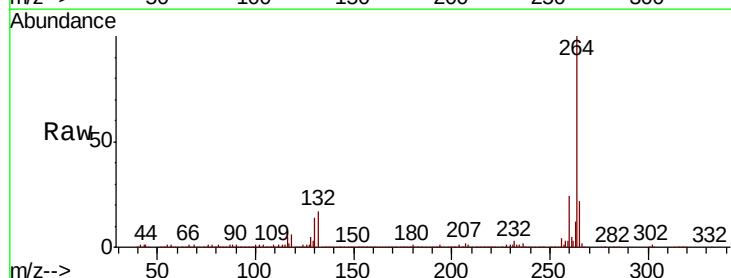
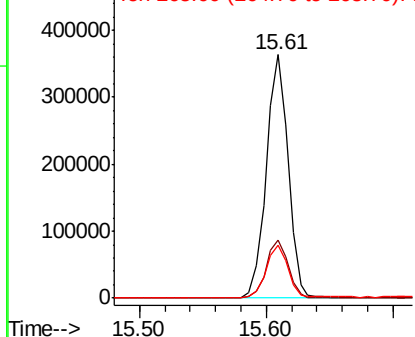
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	23.7	19.4	29.0		
265	21.6	17.1	25.7		

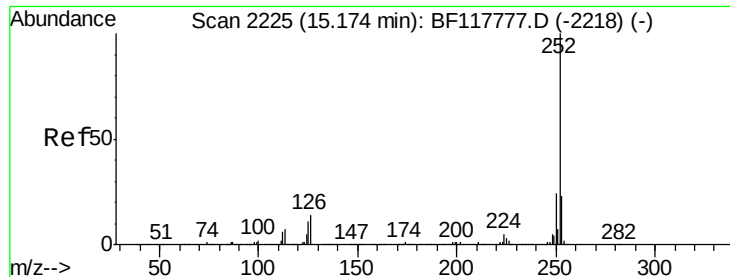
Abundance

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





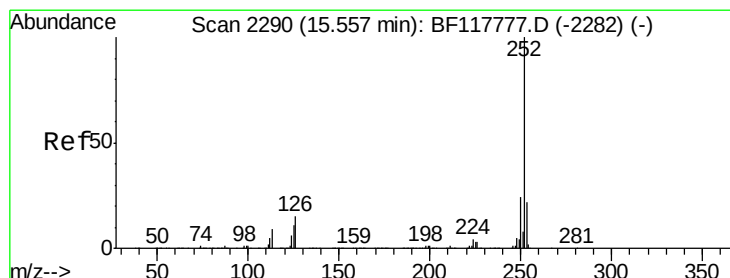
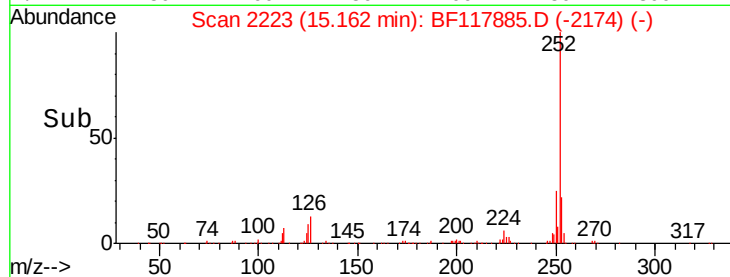
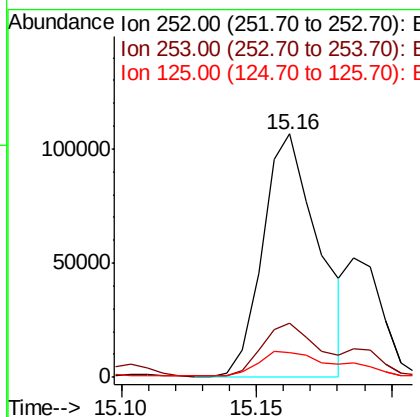
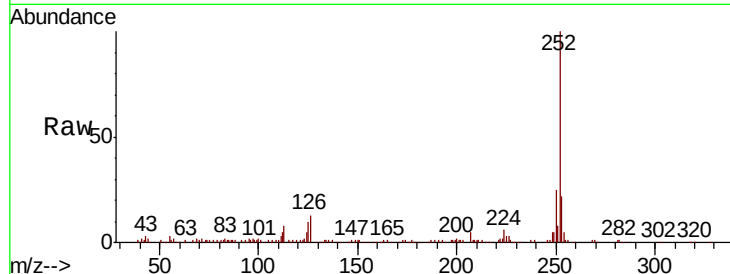
#88
Benzo(b)fluoranthene
Concen: 5.437 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117885.D
Acq: 20 Nov 2019 11:43

Instrument :
BNA_F
ClientSampleId :
6-(2-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	10.2	8.6	13.0

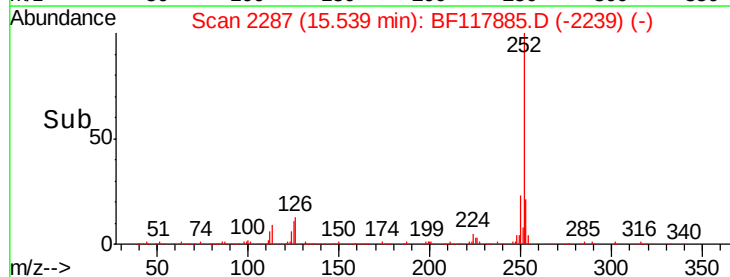
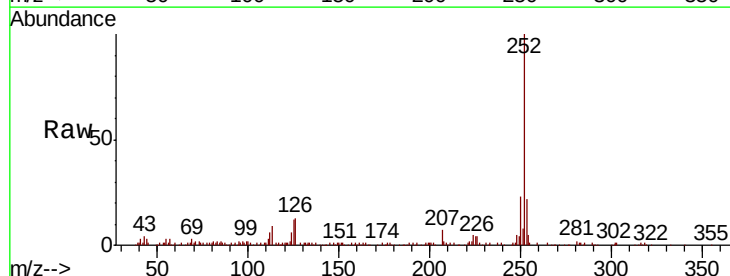
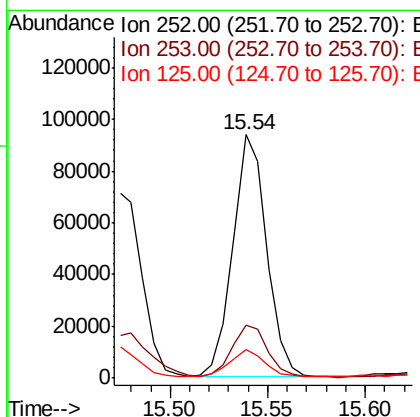
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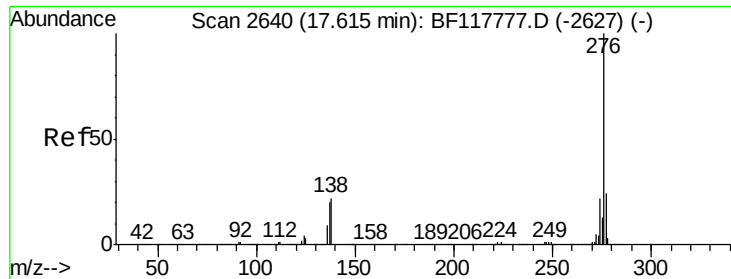
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#90
Benzo(a)pyrene
Concen: 4.515 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.02 min
Lab File: BF117885.D
Acq: 20 Nov 2019 11:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	11.9	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 3.594 ng
 RT: 17.59 min Scan# 2636
 Delta R.T. -0.02 min
 Lab File: BF117885.D
 Acq: 20 Nov 2019 11:43

Instrument :
 BNA_F
 ClientSampleId :
 6-(2-4)

Tot Ion:	276	Resp:	76789
Ion Ratio	Lower	Upper	
276	100		
277	26.1	18.9	28.3
138	22.1	17.4	26.2

Manual Integrations
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