

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117862.D
 Acq On : 19 Nov 2019 16:31
 Operator : JU
 Sample : K5865-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Nov 20 00:55:50 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	224577	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	892006	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	459133	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	785028	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	494400	20.00	ng	-0.01
87) Perylene-d12	15.61	264	559940	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1004855	79.20	ng	0.00
7) Phenol-d6	6.53	99	1349715	88.20	ng	-0.01
23) Nitrobenzene-d5	7.47	82	834439	55.61	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	324533	66.77	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1572233	61.43	ng	-0.01
79) Terphenyl-d14	13.04	244	1451942	53.67	ng	-0.01
Target Compounds						
10) Phenol	6.55	94	58374	3.671	ng	96
50) Dimethylphthalate	9.67	163	170167	5.285	ng	98
71) Phenanthrene	11.48	178	124386	3.152	ng	96
75) Fluoranthene	12.67	202	492438	7.417	ng	99
78) Pyrene	12.90	202	428509	10.725	ng	98
81) Benzo(a)anthracene	14.09	228	164536	5.036	ng	97
83) Chrysene	14.13	228	143696	4.539	ng	98
88) Benzo(b)fluoranthene	15.16	252	156007m	4.288	ng	
90) Benzo(a)pyrene	15.54	252	92730	2.899	ng	100

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

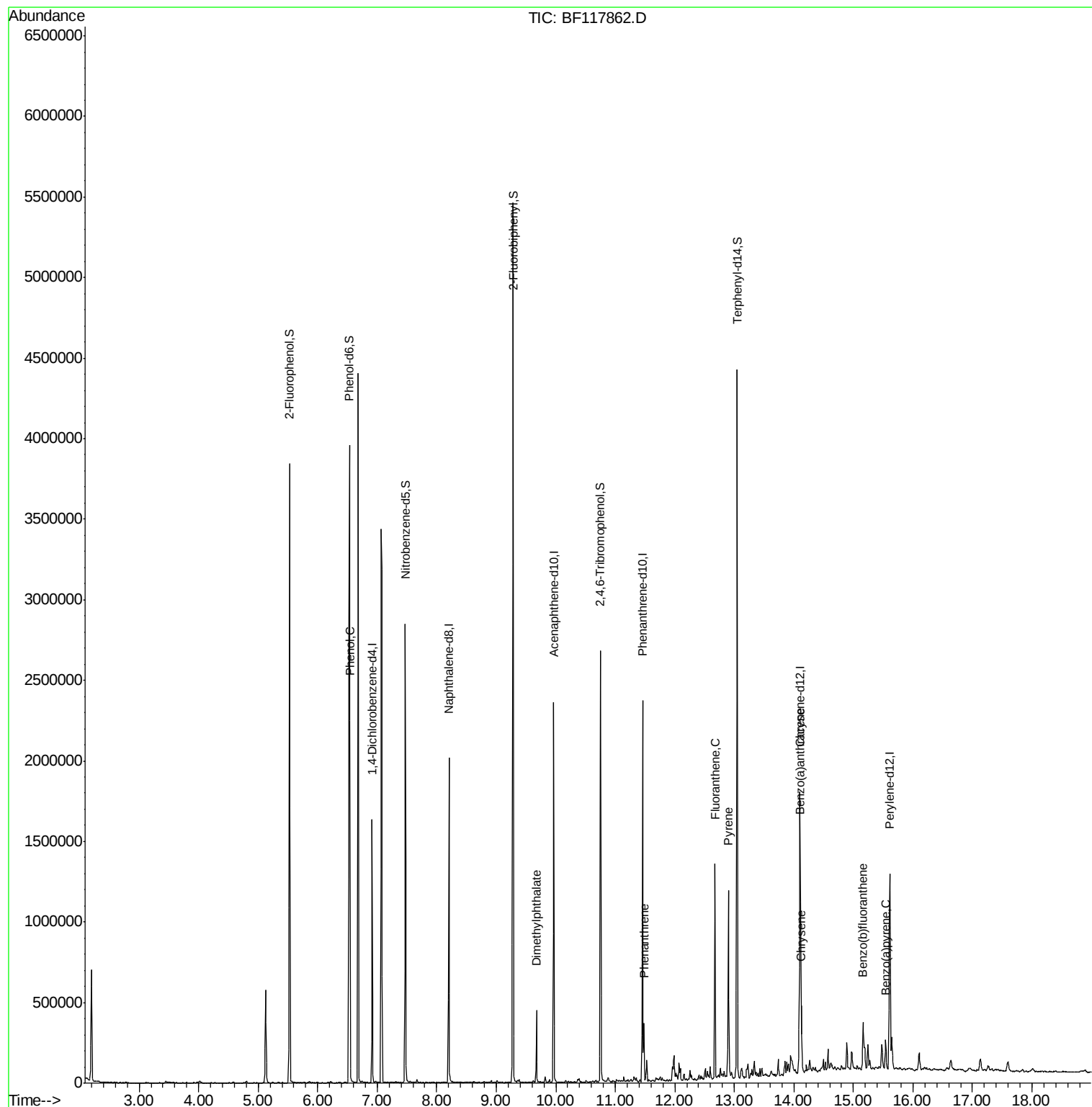
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117862.D
Acq On : 19 Nov 2019 16:31
Operator : JU
Sample : K5865-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

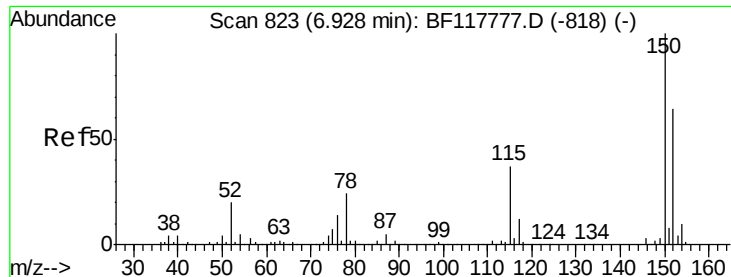
Instrument :
BNA_F
ClientSampleId :
2-(2-4)

Quant Time: Nov 20 00:55:50 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

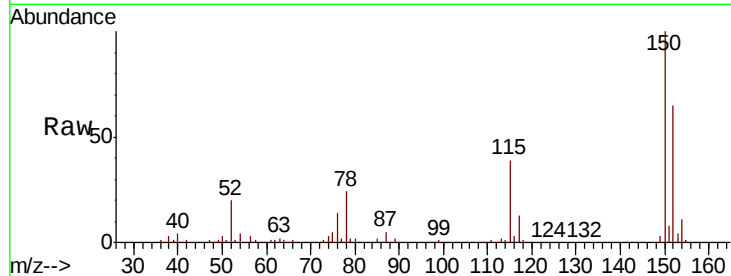
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	125.3	187.9
115	60.1	47.0	70.4

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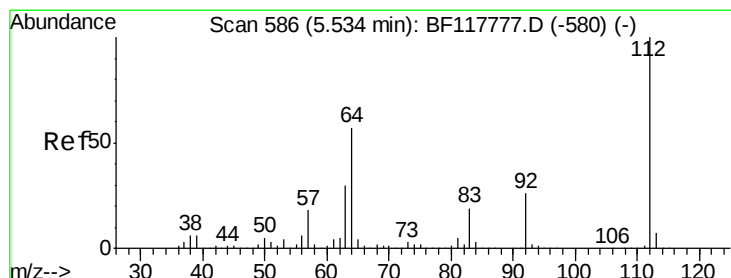
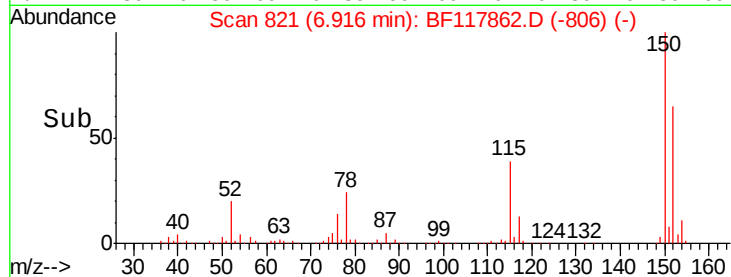
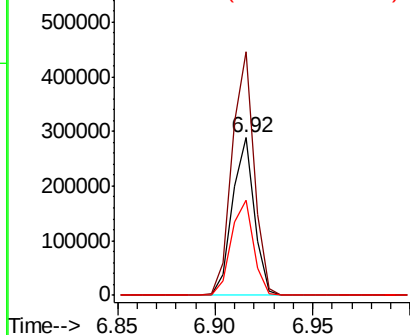


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

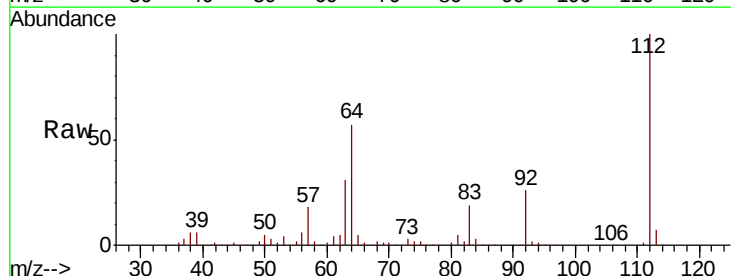
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 79.202 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.6	68.4
63	31.0	24.1	36.1

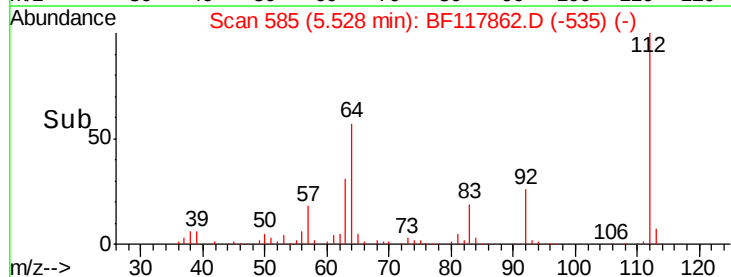
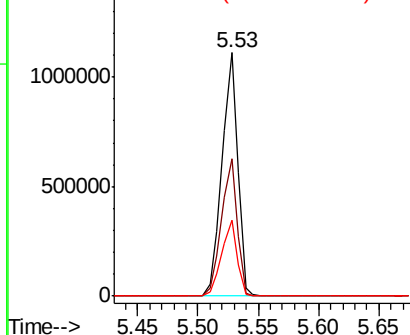


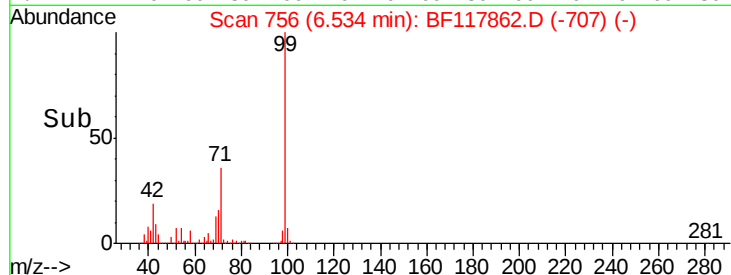
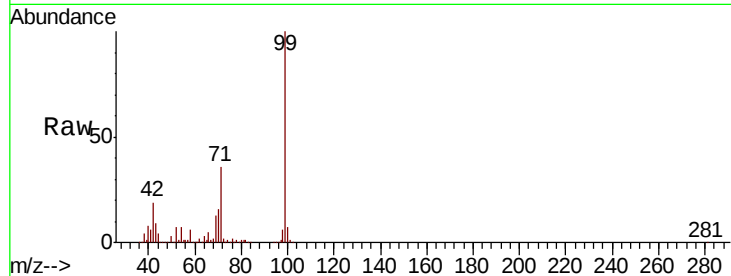
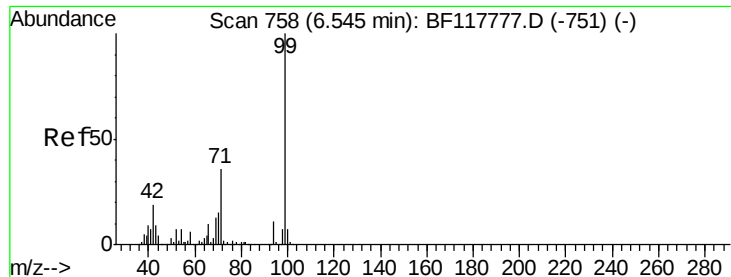
Abundance

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: 88.200 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

Tot Ion: 99 Resp: 1349715

Ion Ratio Lower Upper

99 100

42 18.5 14.9 22.3

71 35.8 28.6 43.0

Instrument :

BNA_F

ClientSampleId :

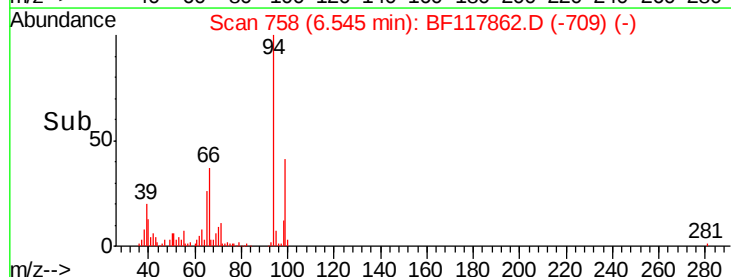
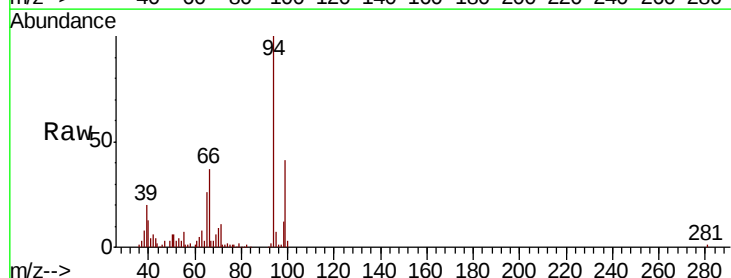
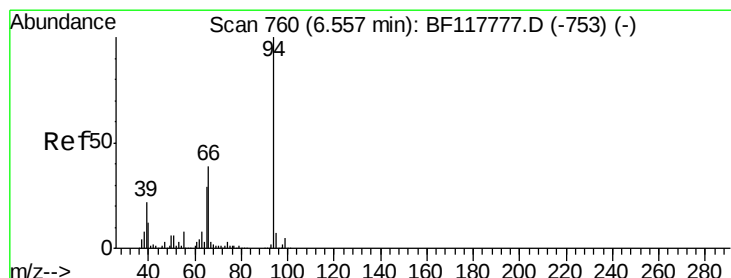
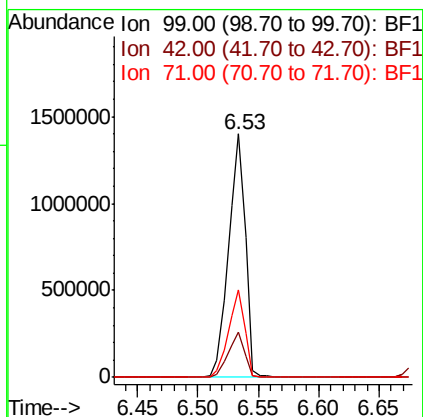
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#10

Phenol

Concen: 3.671 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

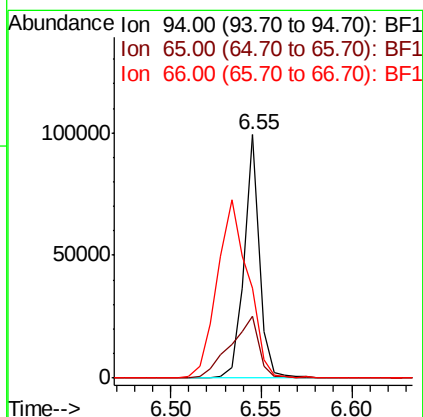
Tgt Ion: 94 Resp: 58374

Ion Ratio Lower Upper

94 100

65 25.6 8.9 48.9

66 36.9 18.7 58.7





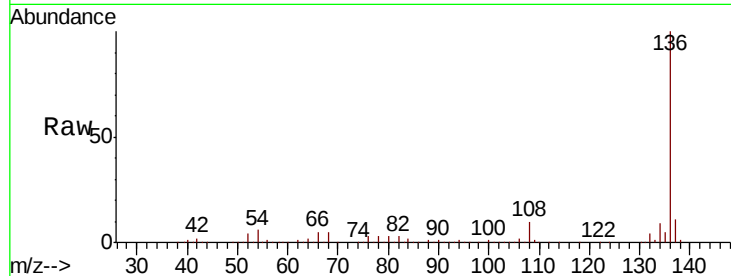
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	892006		
137	11.0		9.0	13.4
54	6.5		5.4	8.2
68	5.0		4.3	6.5

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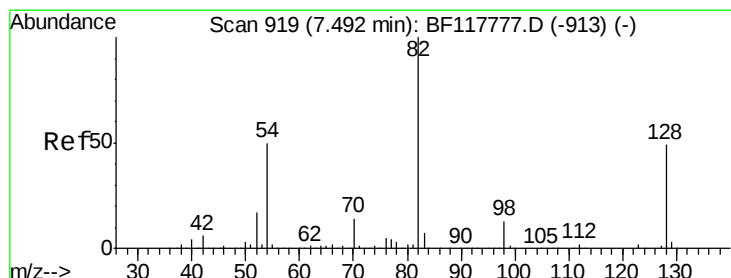
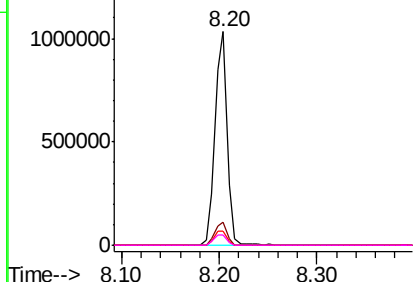
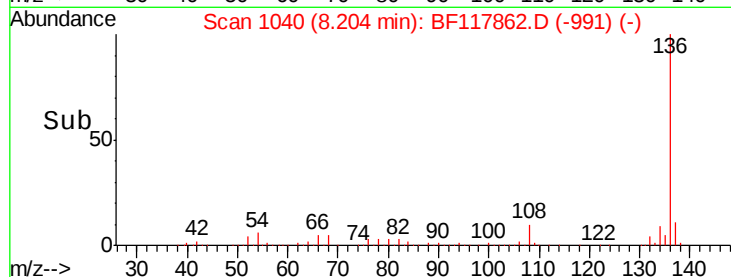
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

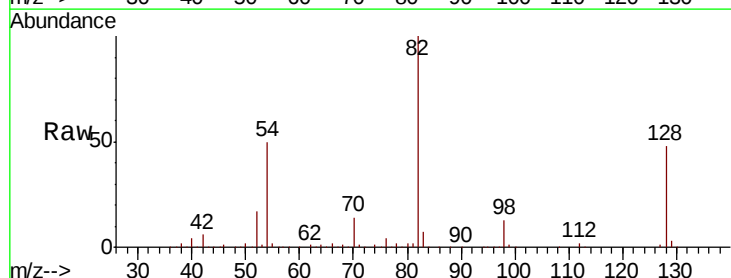
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 55.609 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	834439		
128	47.6		38.9	58.3
54	50.4		39.8	59.6

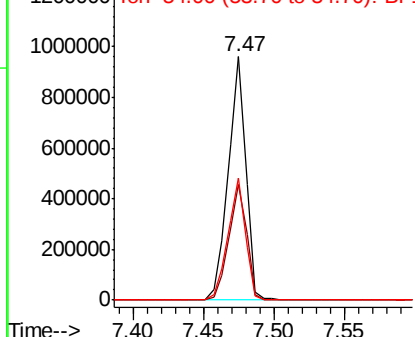
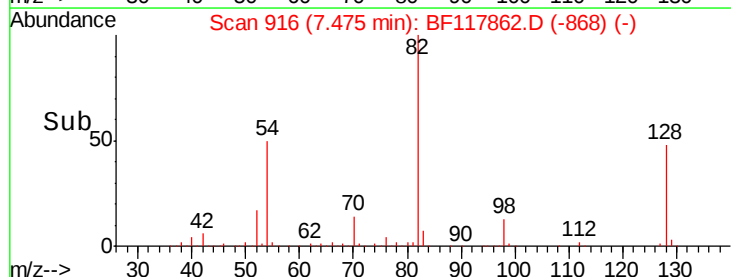


Abundance

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





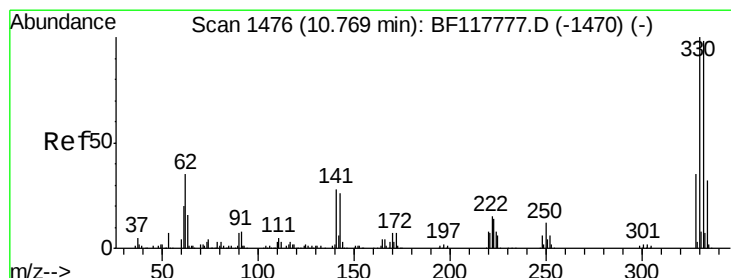
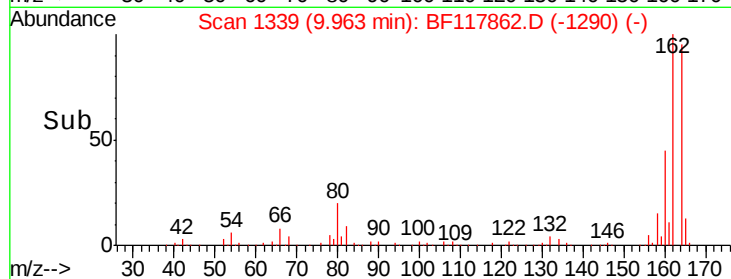
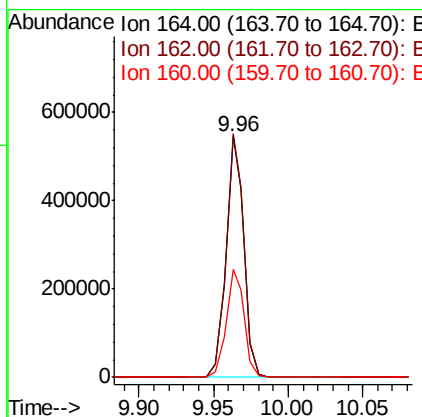
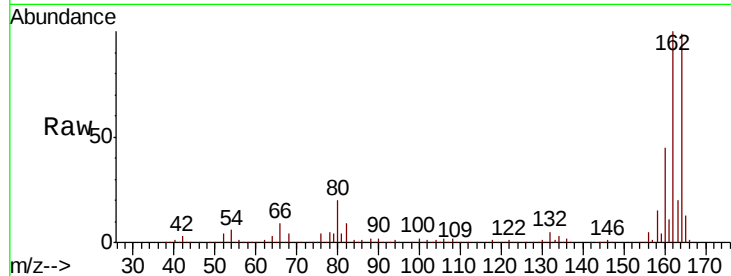
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

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

Tot Ion:	164	Resp:	459133
Ion Ratio	Lower	Upper	
164	100		
162	101.1	81.3	121.9
160	45.0	36.6	55.0

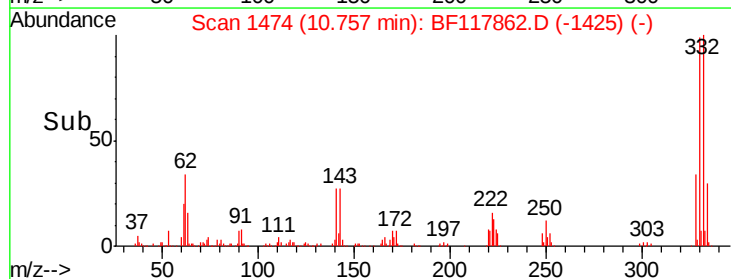
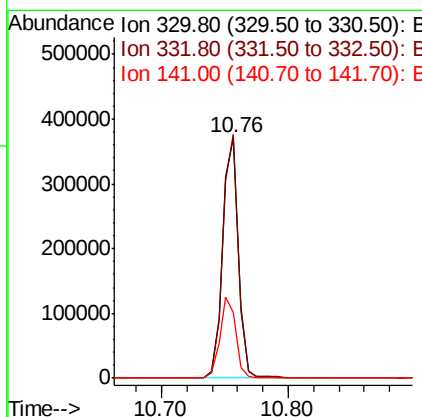
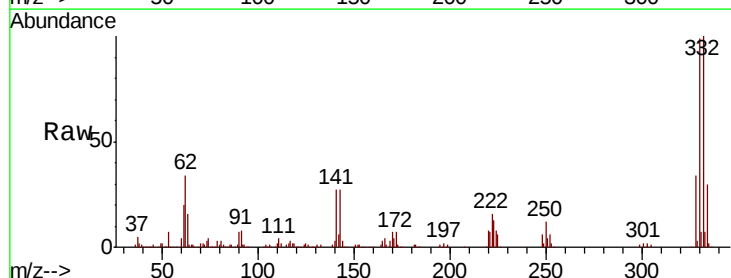
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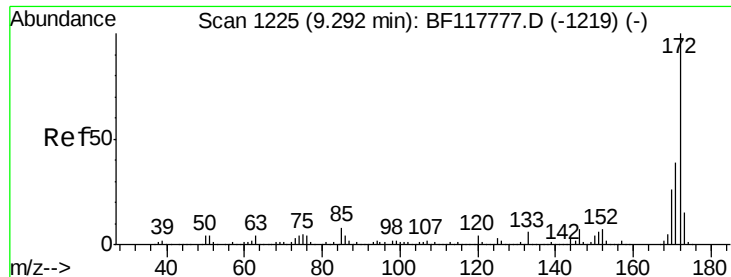
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#42
2,4,6-Tribromophenol
Concen: 66.765 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Tgt Ion:	330	Resp:	324533
Ion Ratio	Lower	Upper	
330	100		
332	99.1	76.7	115.1
141	34.1	27.7	41.5





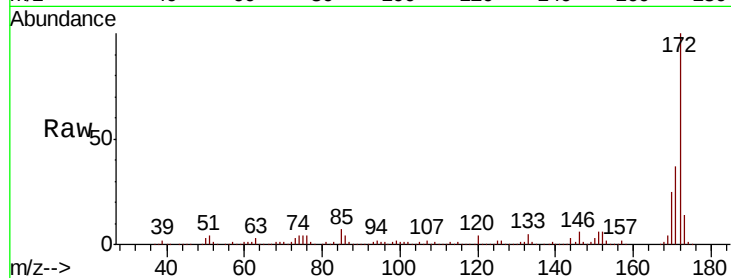
#45
2-Fluorobiphenyl
Concen: 61.434 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.9	46.3
170	24.9	21.0	31.4

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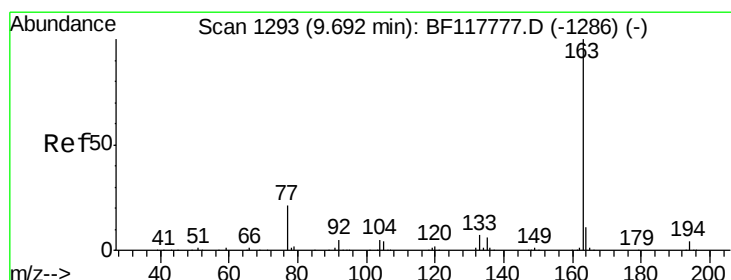
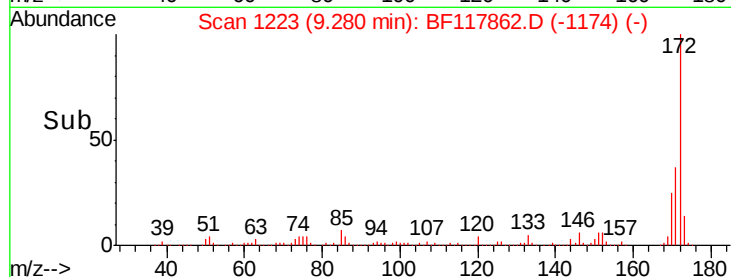
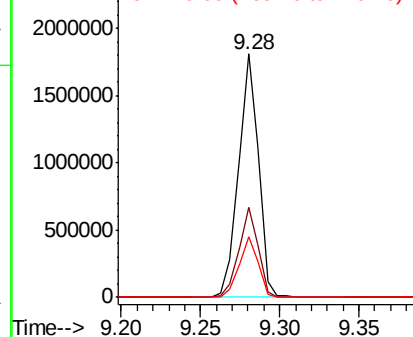


Abundance

Ion 172.00 (171.70 to 172.70): E

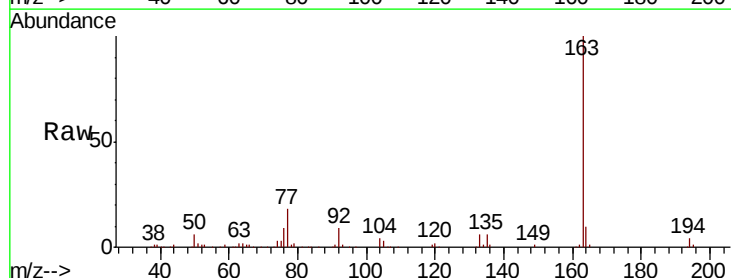
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 5.285 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	8.7	13.1

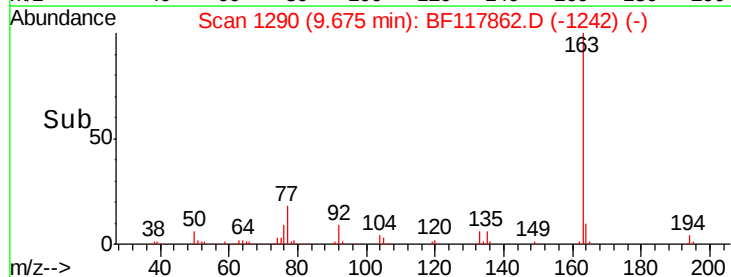
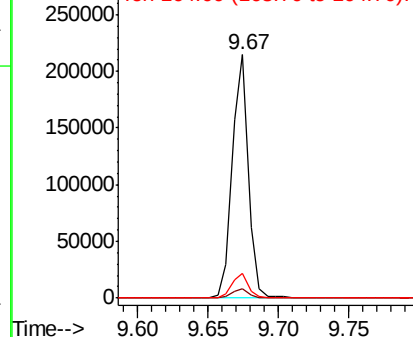


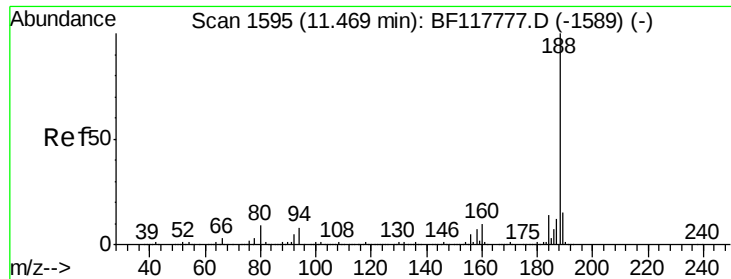
Abundance

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





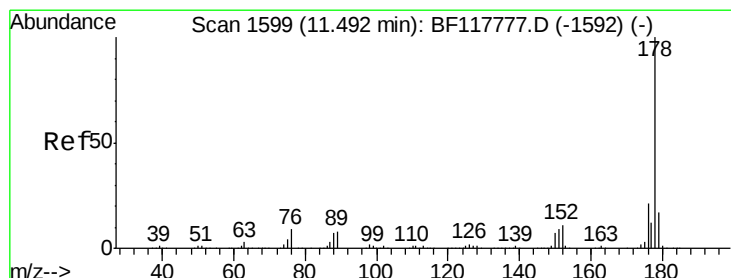
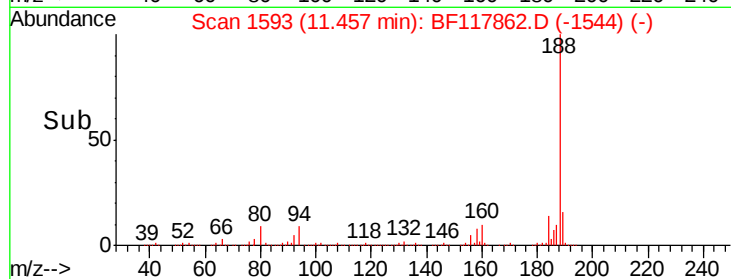
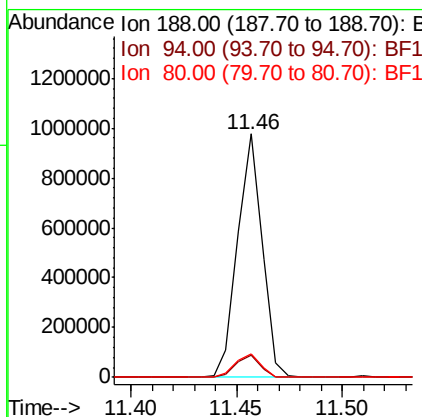
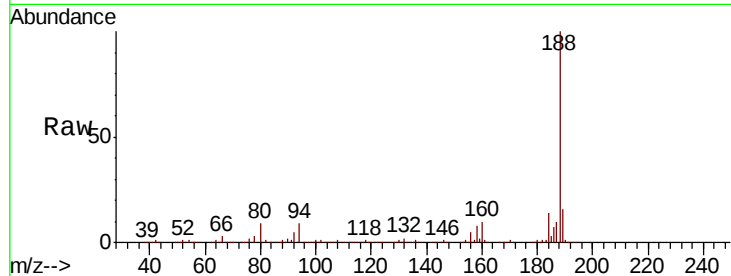
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	785028		
94	9.2		6.6	10.0
80	9.4		7.2	10.8

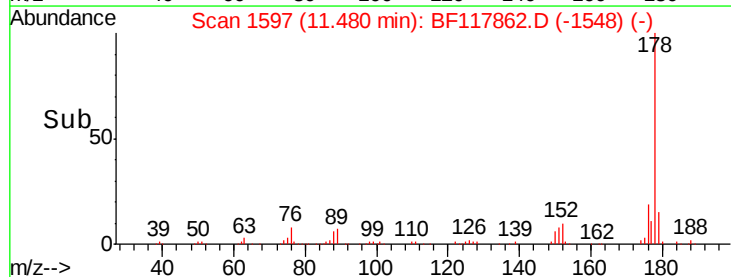
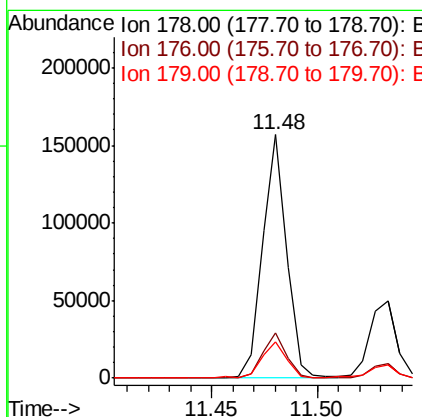
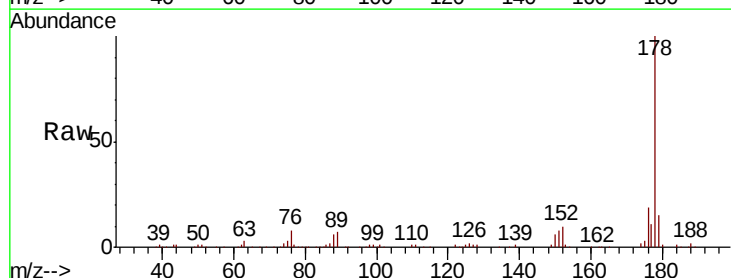
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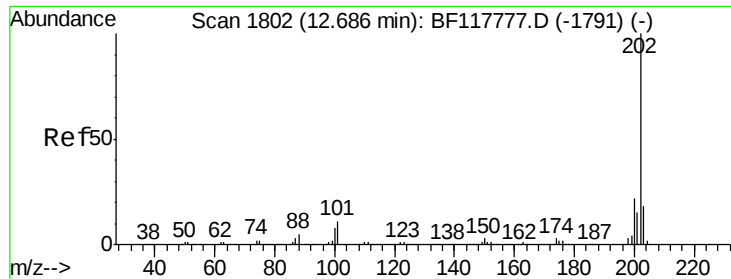
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#71
Phenanthrene
Concen: 3.152 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	124386		
176	18.5		16.6	25.0
179	14.8		13.2	19.8





#75

Fluoranthene

Concen: 7.417 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

Instrument :

BNA_F

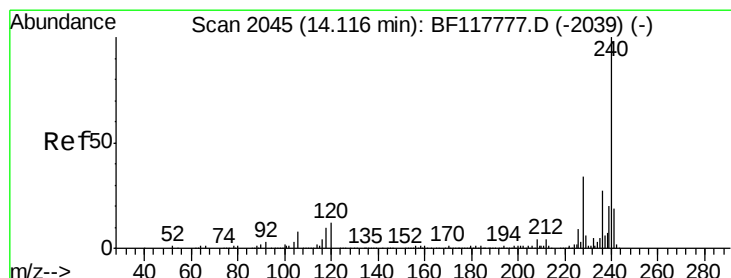
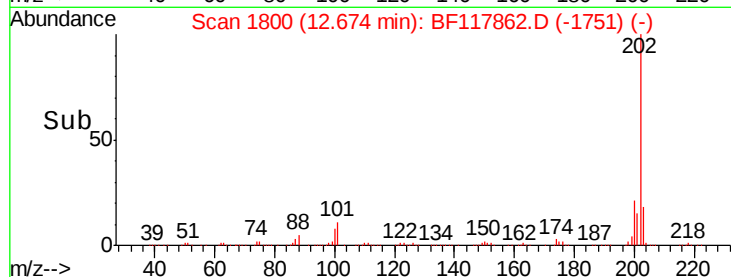
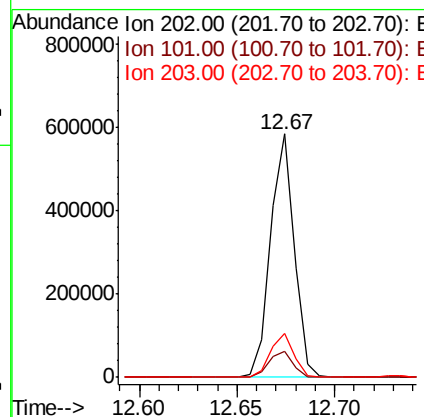
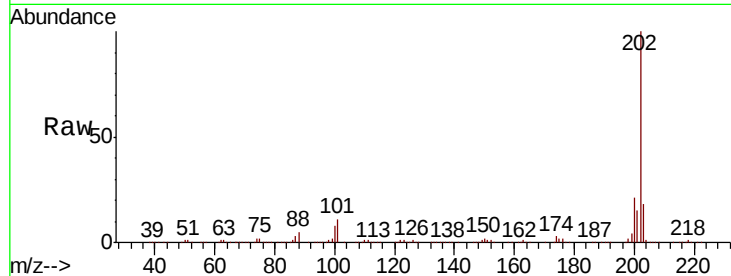
ClientSampleId :

2-(2-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.8	0.0	31.1
203	17.9	0.0	38.2

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#76

Chrysene-d12

Concen: 20.000 ng

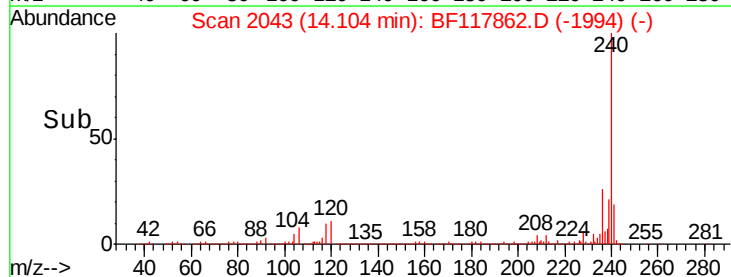
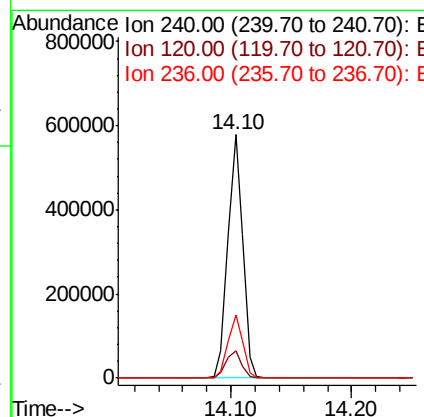
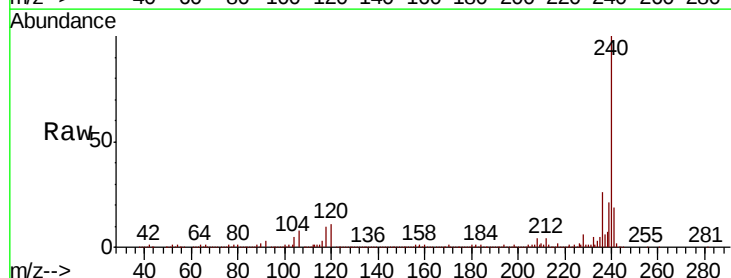
RT: 14.10 min Scan# 2043

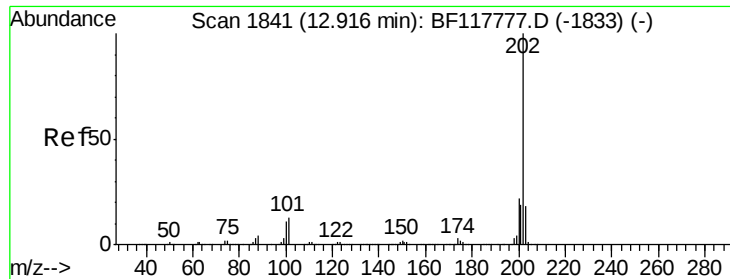
Delta R.T. -0.01 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.1	9.5	14.3
236	26.0	21.3	31.9





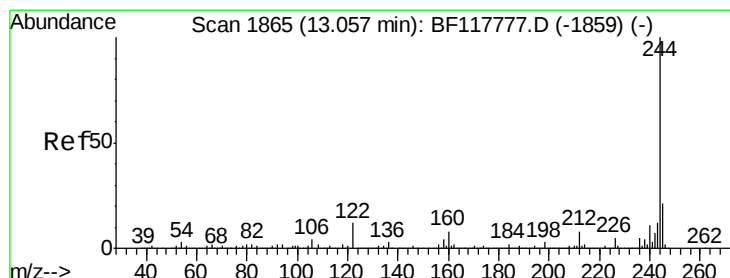
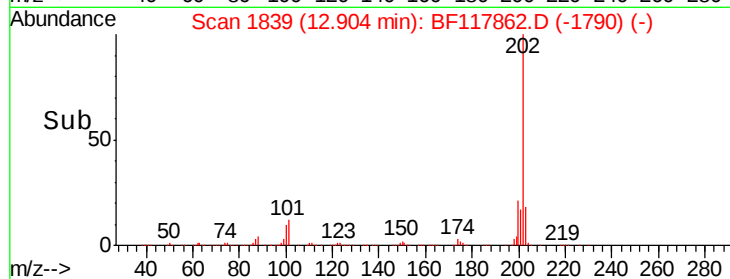
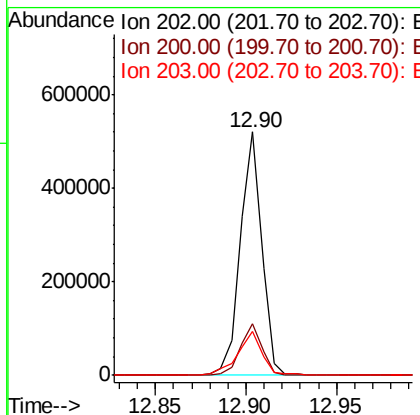
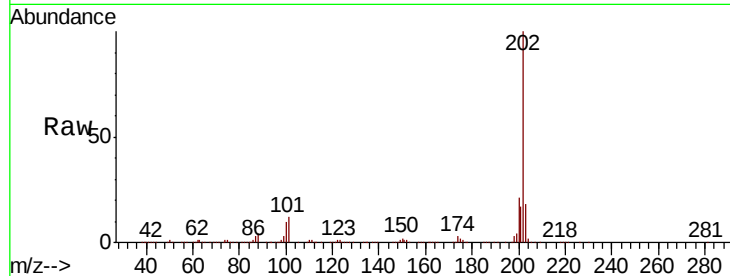
#78
Pvrene
Concen: 10.725 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.8
203	18.0	14.6	22.0

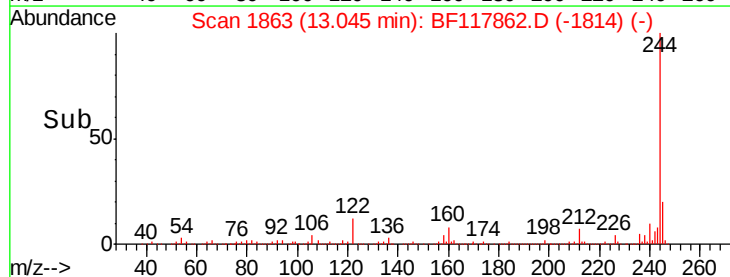
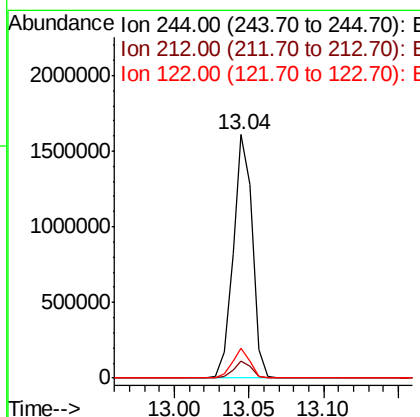
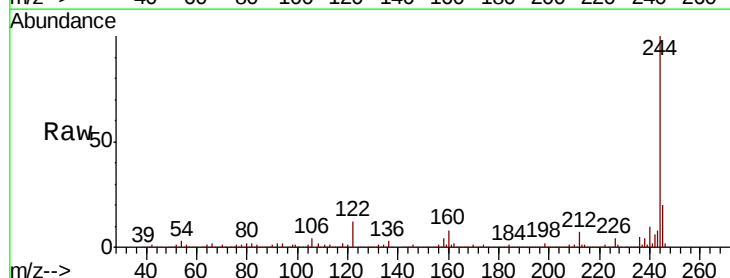
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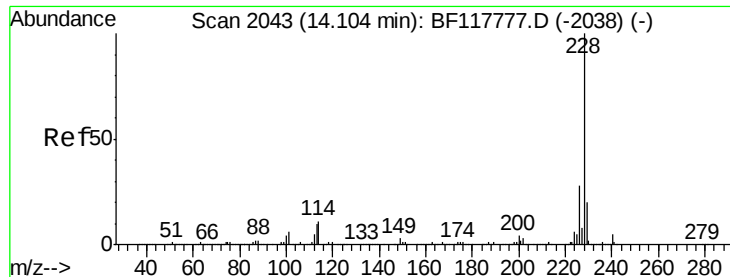
mohammad
11/20/2019 1:49:18 PM



#79
Terphenyl-d14
Concen: 53.673 ng
RT: 13.04 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.3	9.5
122	12.0	9.4	14.2





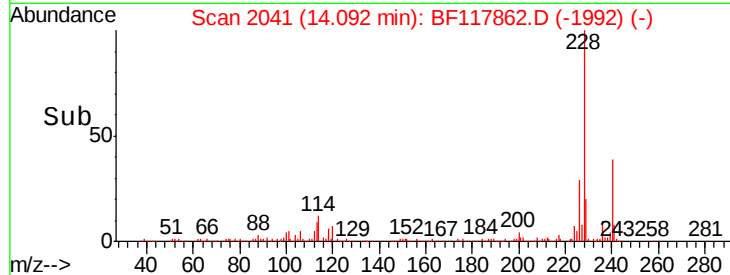
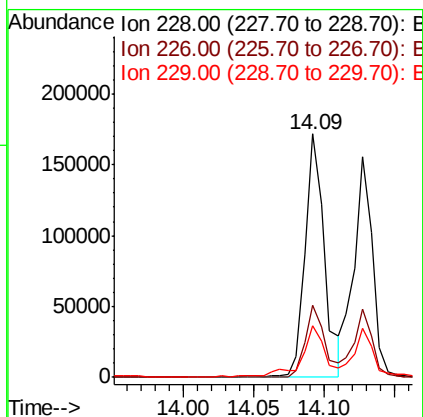
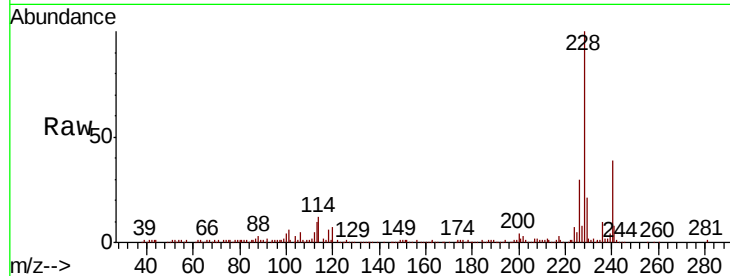
#81
Benzo(a)anthracene
Concen: 5.036 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.2	33.2
229	21.0	15.9	23.9

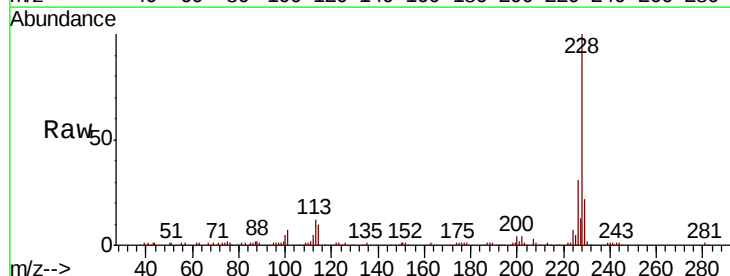
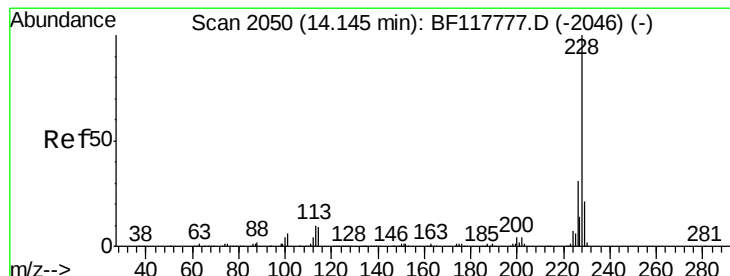
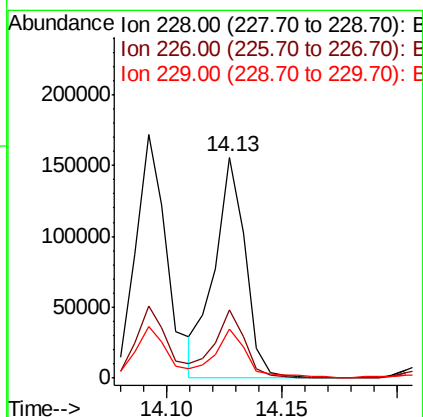
Manual Integrations
APPROVED

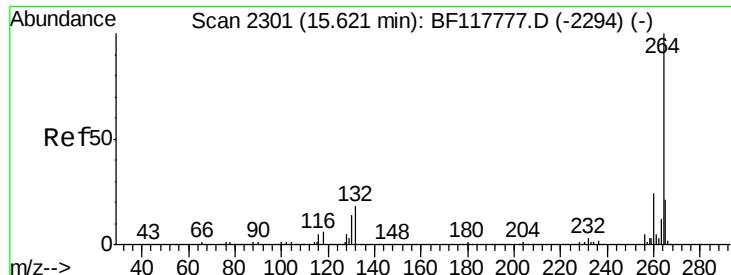
mohammad
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#83
Chrysene
Concen: 4.539 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BF117862.D
Acq: 19 Nov 2019 16:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.4
229	22.4	16.6	25.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.61 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

Instrument :

BNA_F

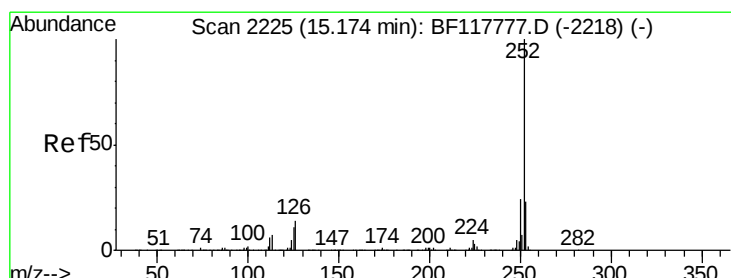
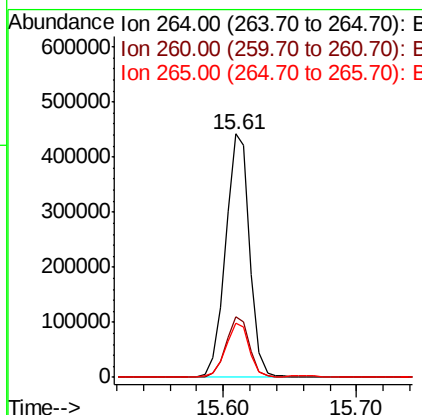
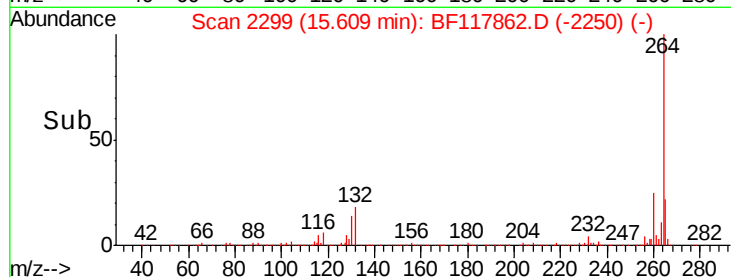
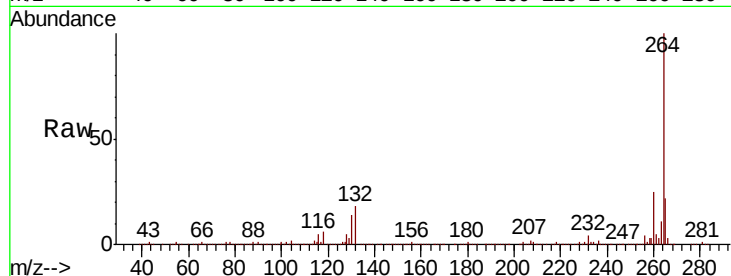
ClientSampled :

2-(2-4)

Tot Ion:	264	Resp:	559940
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.4	29.0
265	22.0	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 4.288 ng m

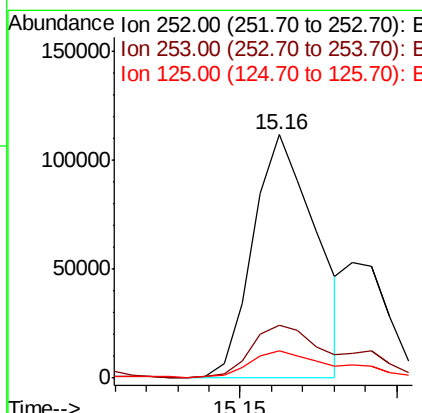
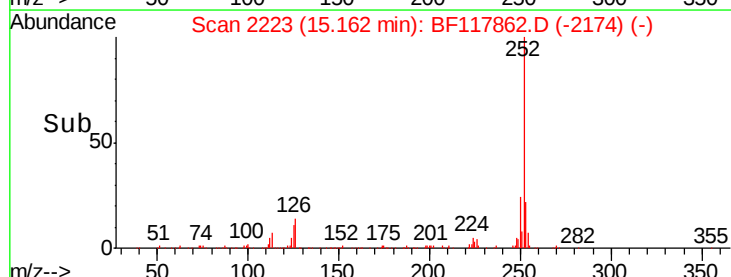
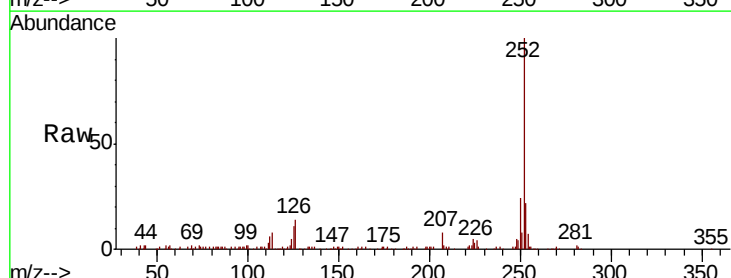
RT: 15.16 min Scan# 2223

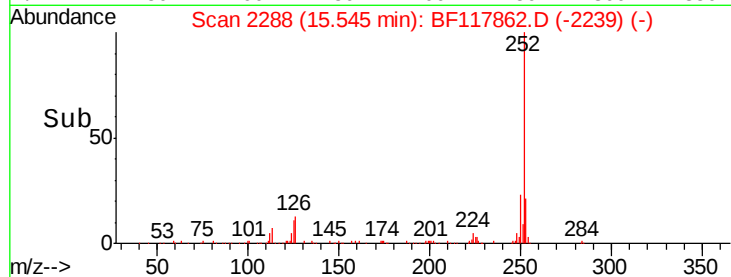
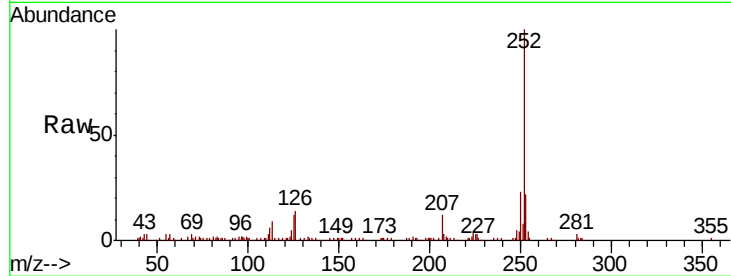
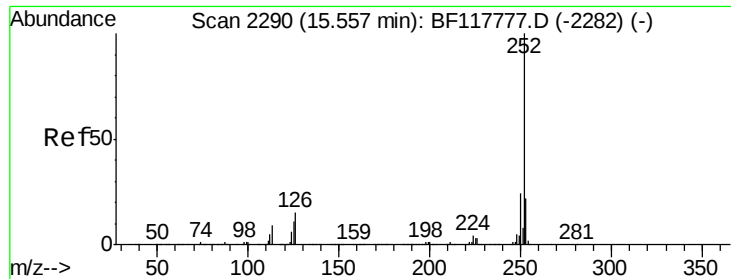
Delta R.T. -0.01 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

Tgt Ion:	252	Resp:	156007
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.0	27.0
125	11.4	8.6	13.0





#90

Benzo(a)pyrene

Concen: 2.899 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BF117862.D

Acq: 19 Nov 2019 16:31

Instrument :

BNA_F

ClientSampleId :

2-(2-4)

Tot Ion:	252	Resp:	92730
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.8	26.6
125	11.9	9.2	13.8

Manual Integrations
APPROVED

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