

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117847.D
 Acq On : 18 Nov 2019 20:45
 Operator : JU
 Sample : K5865-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-(8-10)

Manual Integrations
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Quant Time: Nov 19 00:34:35 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	223562	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	842216	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	406684	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	659076	20.00	ng	0.00
76) Chrysene-d12	14.11	240	558048	20.00	ng	0.00
87) Perylene-d12	15.62	264	550210	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	11363	0.90	ng	0.00
7) Phenol-d6	6.53	99	317853	20.87	ng	-0.01
23) Nitrobenzene-d5	7.48	82	788884	55.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	340	0.08	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	1563527	68.97	ng	0.00
79) Terphenyl-d14	13.05	244	1526107	49.98	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.67	163	162030	5.682	ng	99
71) Phenanthrene	11.49	178	271200	8.184	ng	96
75) Fluoranthene	12.68	202	306920	3.178	ng	98
78) Pyrene	12.91	202	336909	7.470	ng	98
81) Benzo(a)anthracene	14.10	228	178938	4.852	ng	96
83) Chrysene	14.14	228	175677	4.916	ng	96
88) Benzo(b)fluoranthene	15.17	252	192480m	5.384	ng	
90) Benzo(a)pyrene	15.56	252	122951	3.911	ng	# 94

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

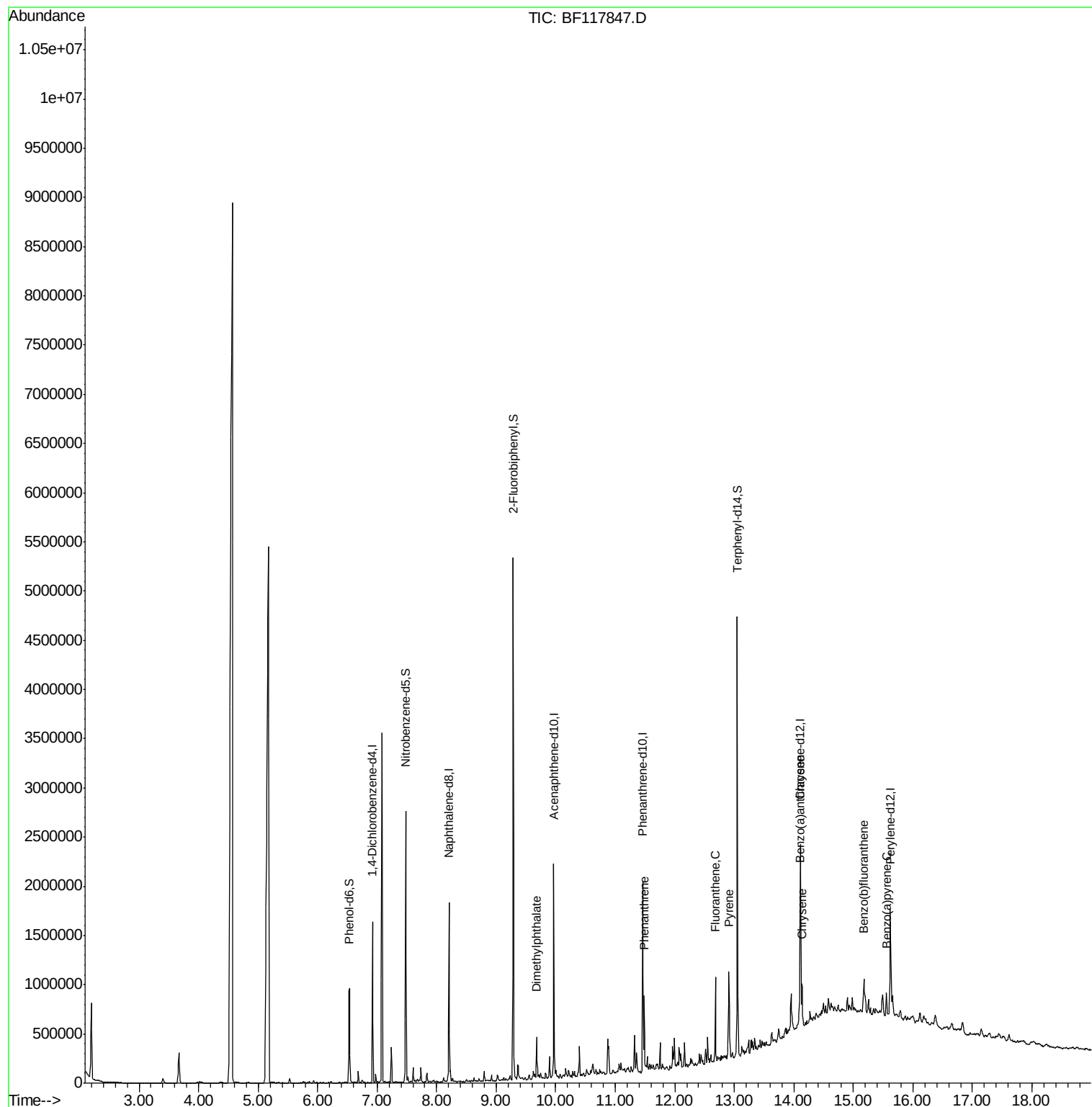
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117847.D
Acq On : 18 Nov 2019 20:45
Operator : JU
Sample : K5865-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

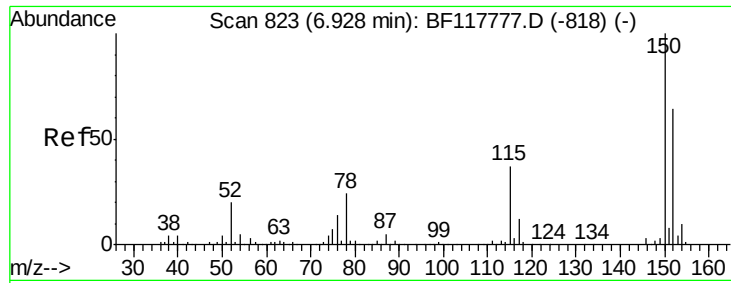
Instrument :
BNA_F
ClientSampleId :
3-(8-10)

Quant Time: Nov 19 00:34:35 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
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#1

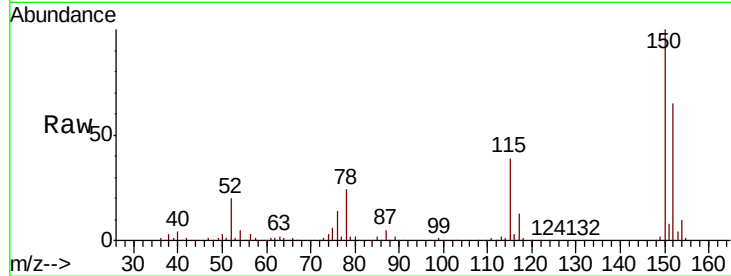
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117847.D
Acq: 18 Nov 2019 20:45

Instrument :
BNA_F
ClientSampled :
3-(8-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	125.3	187.9
115	59.3	47.0	70.4

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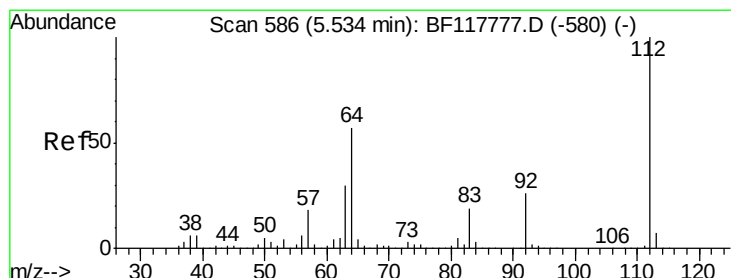
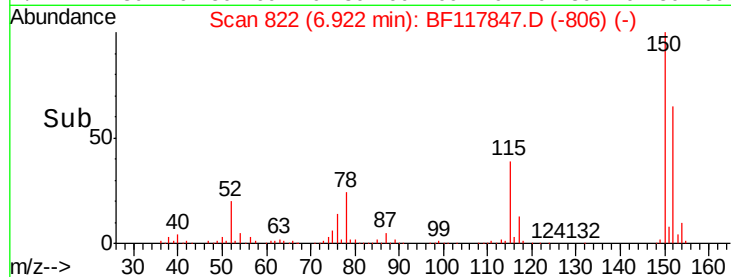
Abundance

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

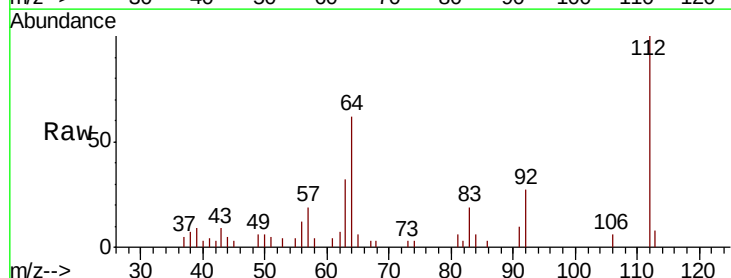
Time-->



#5

2-Fluorophenol
Concen: 0.900 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117847.D
Acq: 18 Nov 2019 20:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	45.6	68.4
63	32.3	24.1	36.1



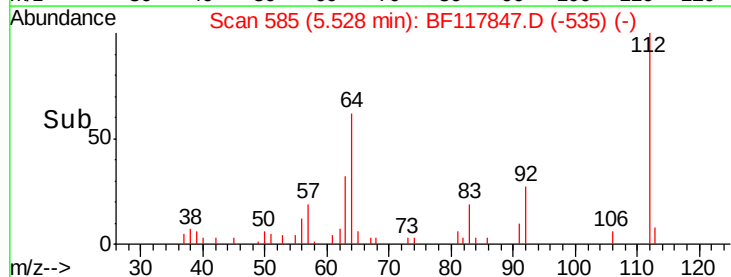
Abundance

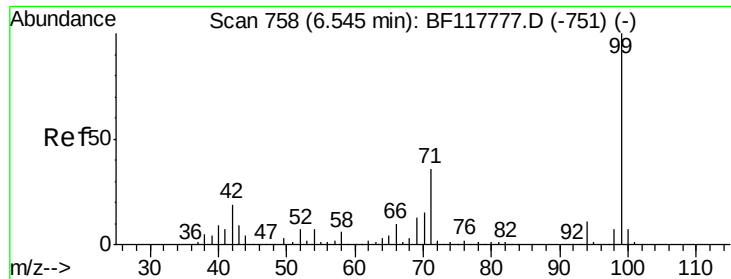
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 20.865 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117847.D

Acq: 18 Nov 2019 20:45

Instrument :

BNA_F

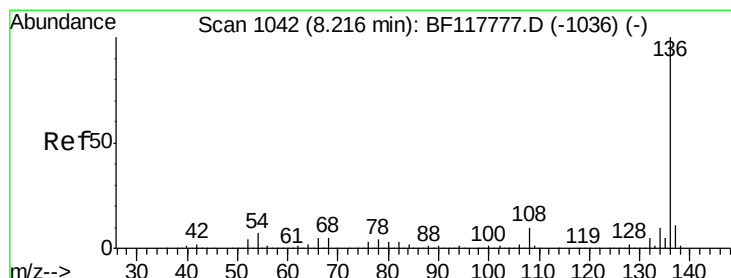
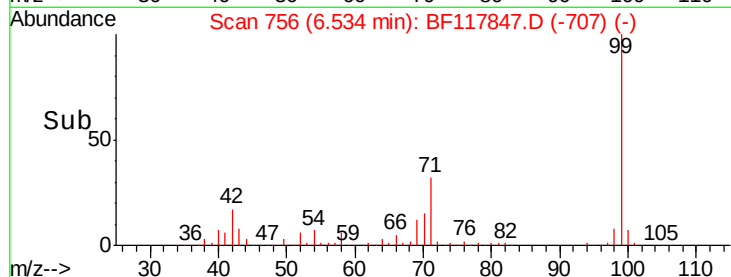
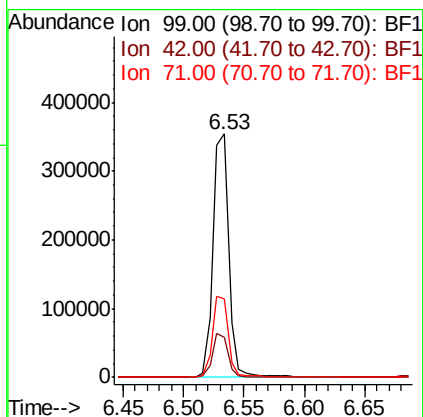
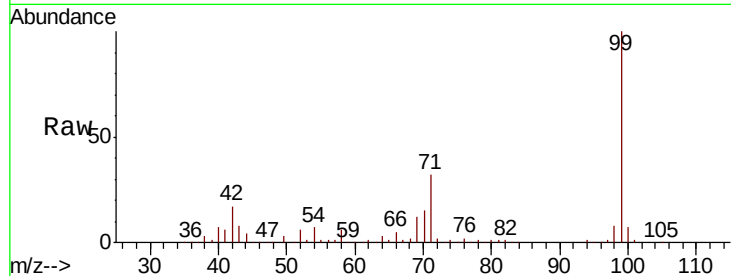
ClientSampleId :

3-(8-10)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		317853		
42	16.7	14.9	22.3		
71	32.5	28.6	43.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

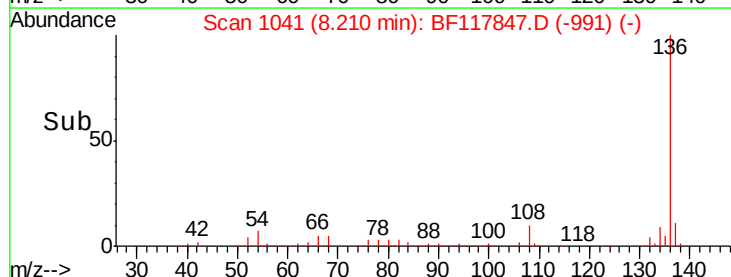
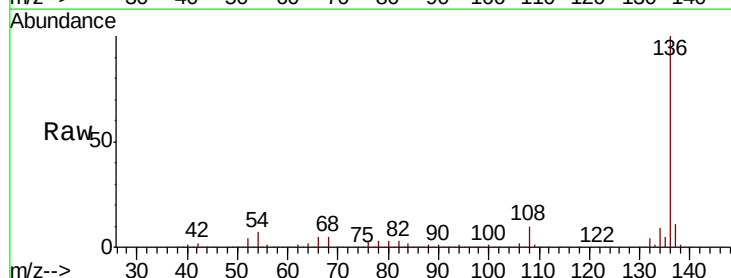
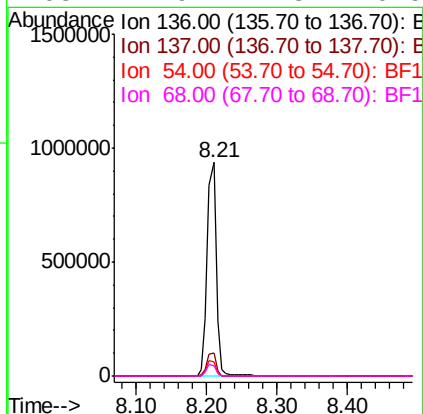
RT: 8.21 min Scan# 1041

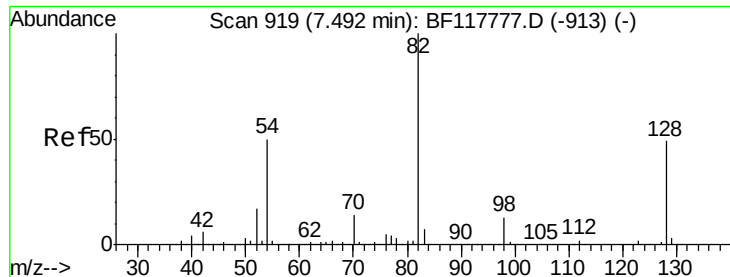
Delta R.T. -0.01 min

Lab File: BF117847.D

Acq: 18 Nov 2019 20:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		842216		
137	10.7	9.0	13.4		
54	6.5	5.4	8.2		
68	4.9	4.3	6.5		





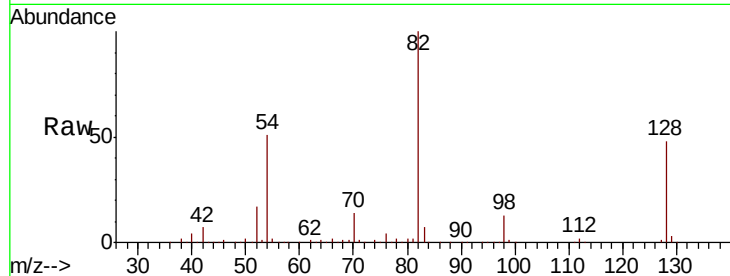
#23
Nitrobenzene-d5
Concen: 55.682 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117847.D
Acq: 18 Nov 2019 20:45

Instrument :
BNA_F
ClientSampleId :
3-(8-10)

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.4	38.9	58.3
54	51.3	39.8	59.6

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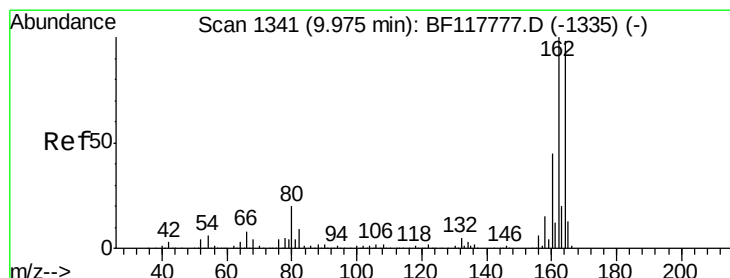
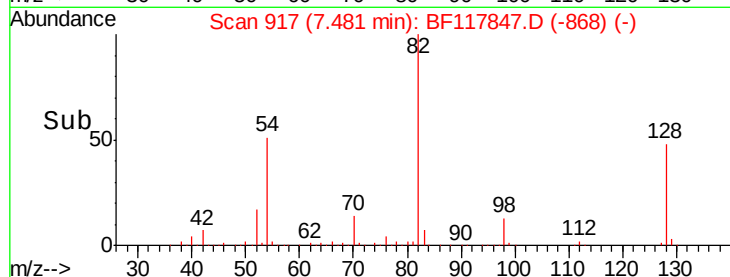
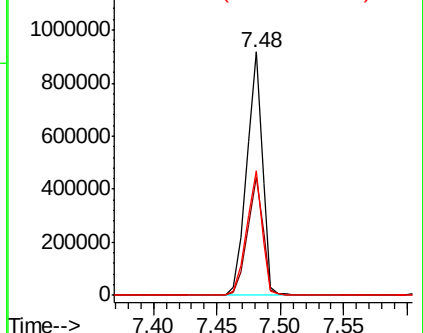


Abundance

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: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117847.D
Acq: 18 Nov 2019 20:45

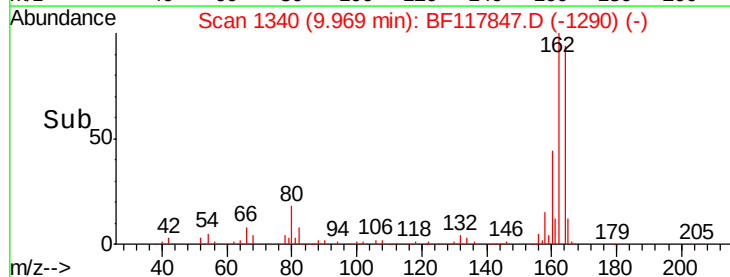
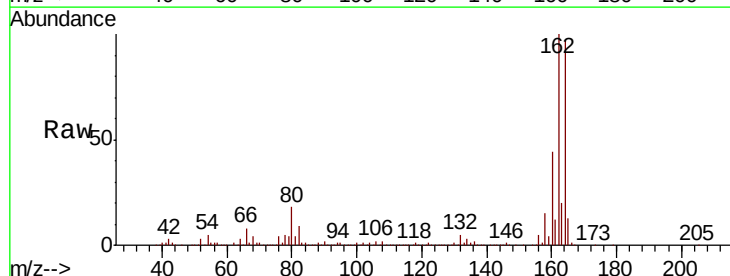
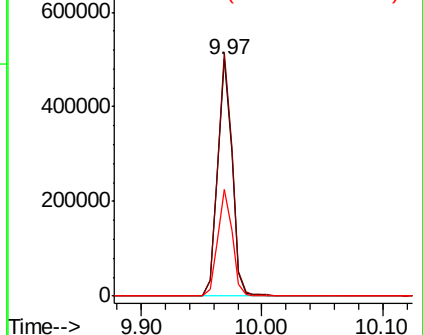
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.3	121.9
160	45.0	36.6	55.0

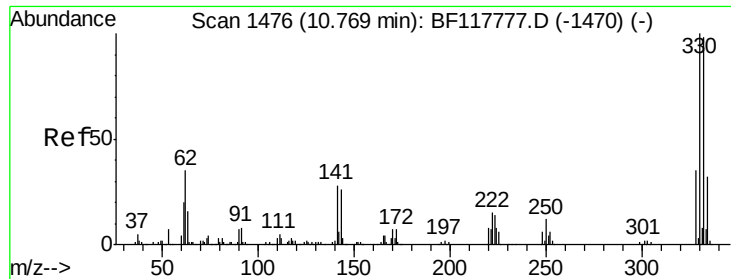
Abundance

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: 0.079 ng

RT: 10.76 min Scan# 1474

Delta R.T. -0.01 min

Lab File: BF117847.D

Acq: 18 Nov 2019 20:45

Instrument :

BNA_F

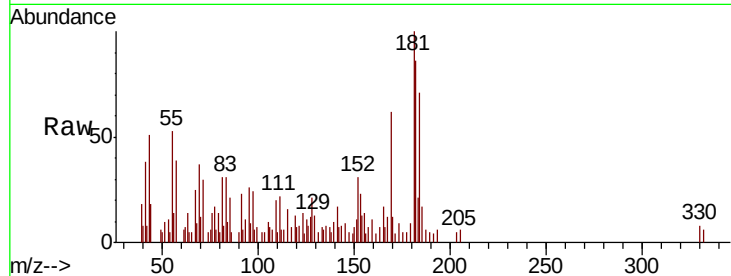
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
330	100		
332	87.1	76.7	115.1
141	86.8	27.7	41.5

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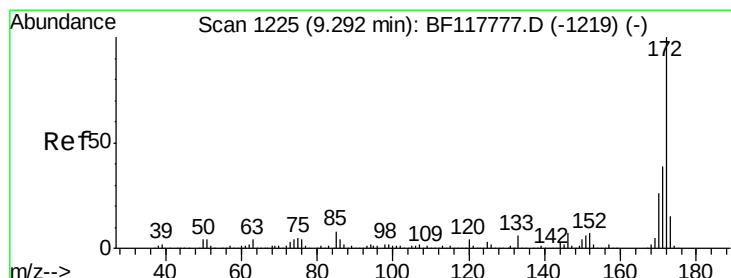
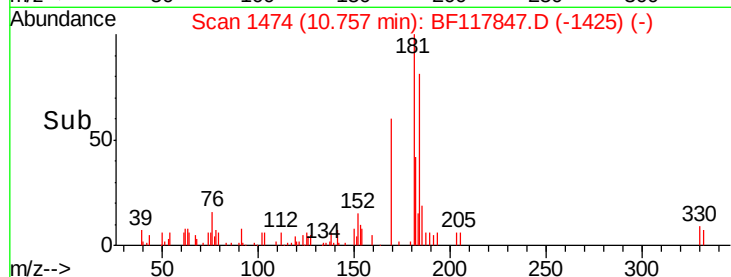
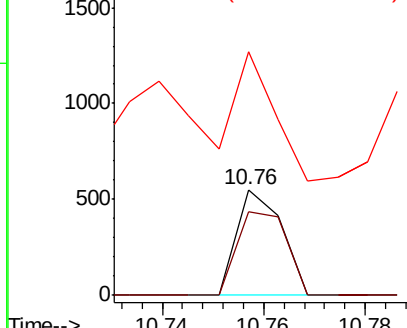


Abundance

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: 68.973 ng

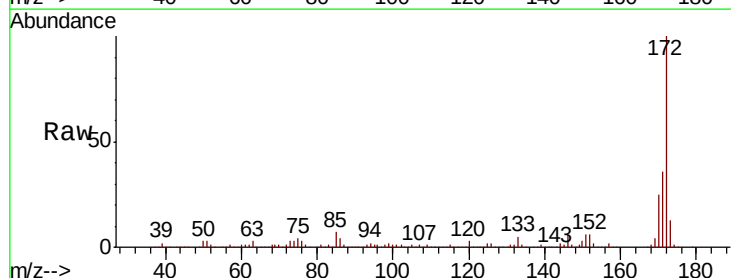
RT: 9.29 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF117847.D

Acq: 18 Nov 2019 20:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.9	46.3
170	24.6	21.0	31.4

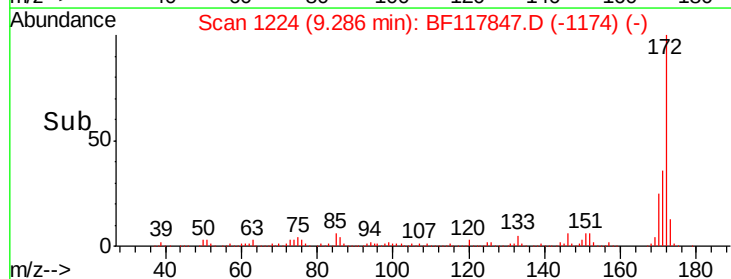
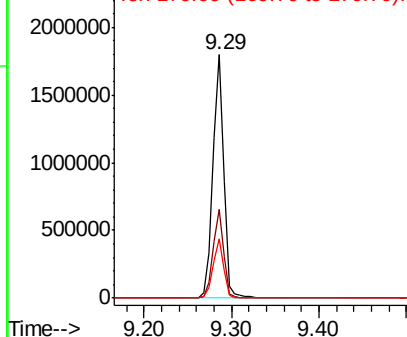


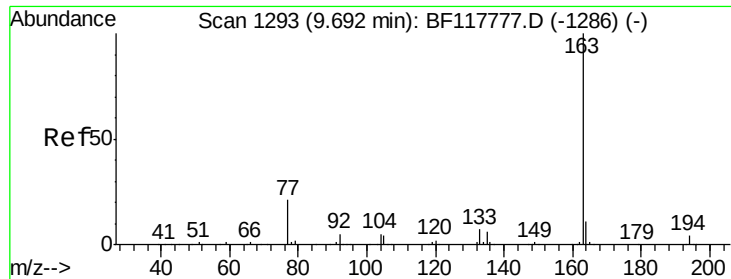
Abundance

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





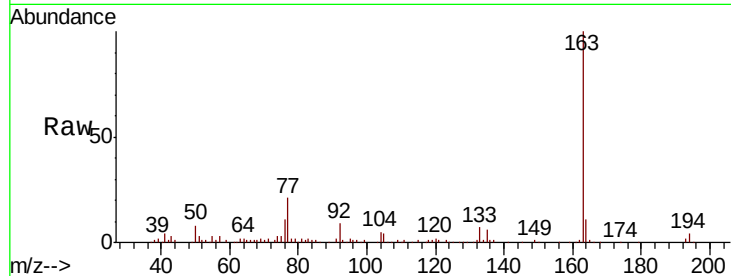
#50
Dimethylphthalate
Concen: 5.682 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117847.D
Acq: 18 Nov 2019 20:45

Instrument :
BNA_F
ClientSampleId :
3-(8-10)

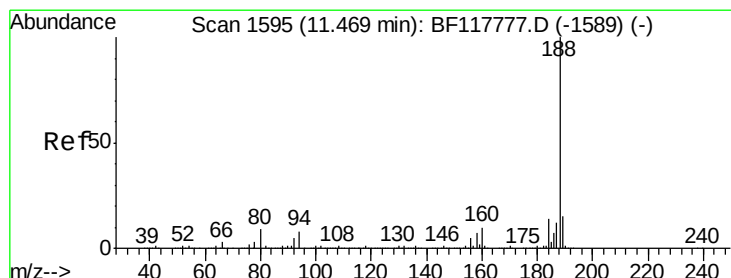
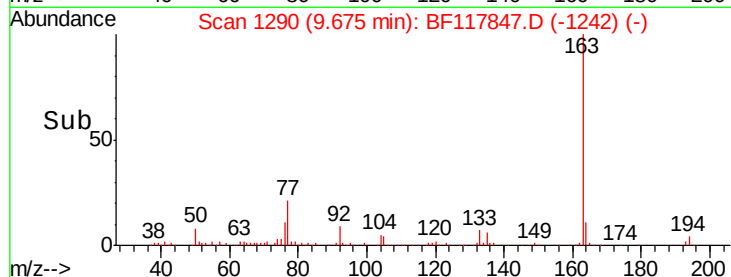
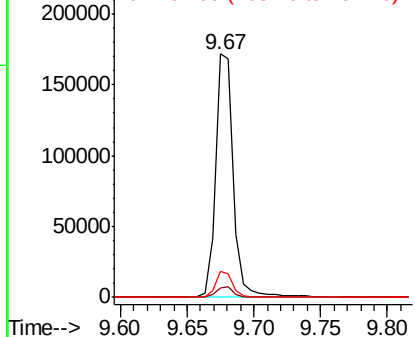
Tot Ion	Ratio	Resp	Lower	Upper
163	100	162030		
194	3.7		3.3	4.9
164	10.7		8.7	13.1

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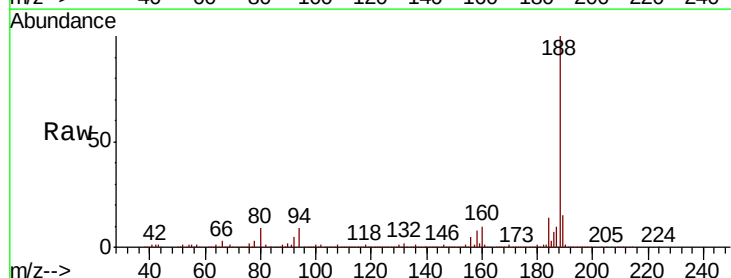


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

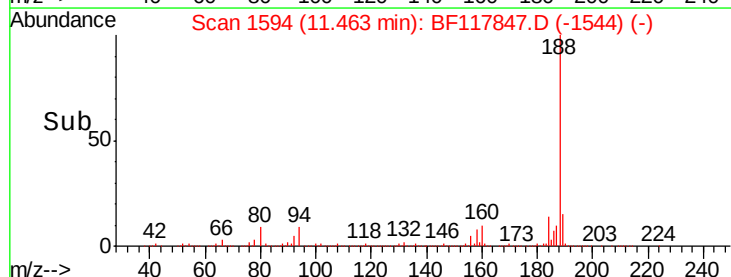
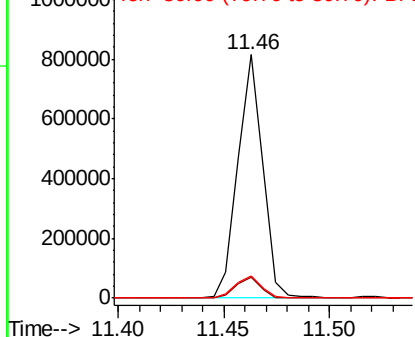


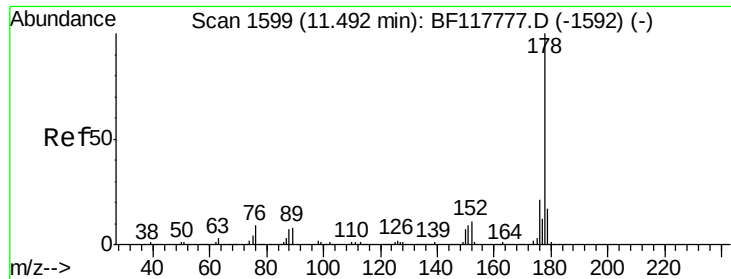
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF117847.D
Acq: 18 Nov 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	659076		
94	8.8		6.6	10.0
80	8.9		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





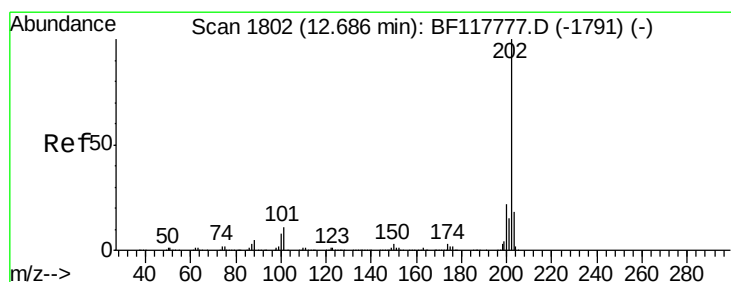
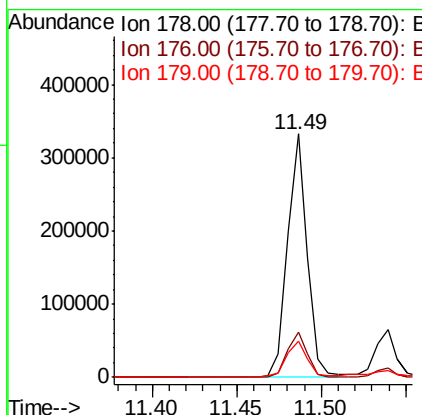
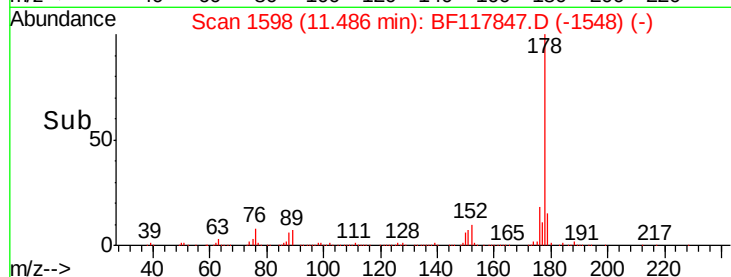
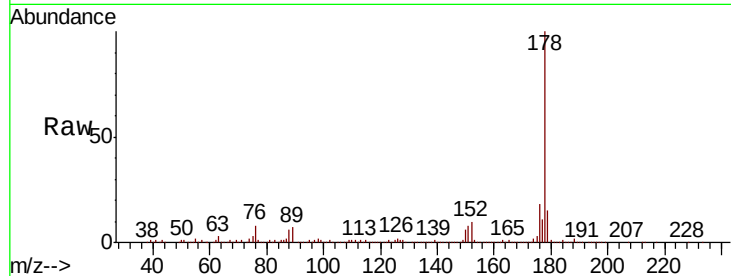
#71
Phenanthrene
Concen: 8.184 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF117847.D
Acq: 18 Nov 2019 20:45

Instrument :
BNA_F
ClientSampleId :
3-(8-10)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.6	25.0
179	15.0	13.2	19.8

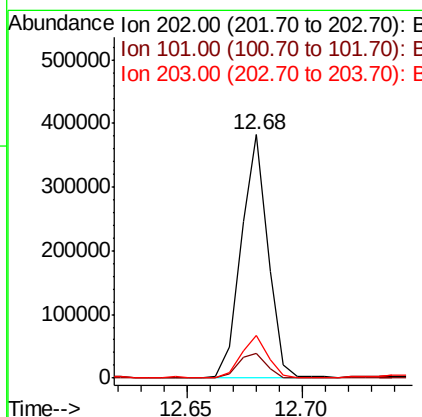
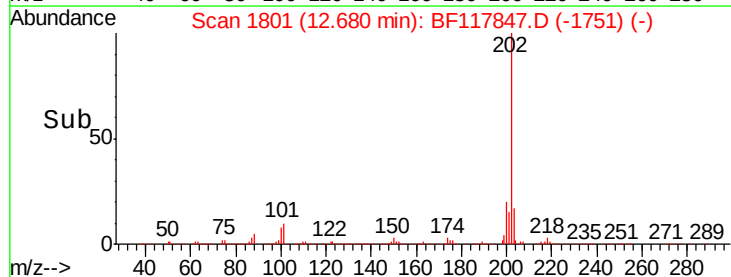
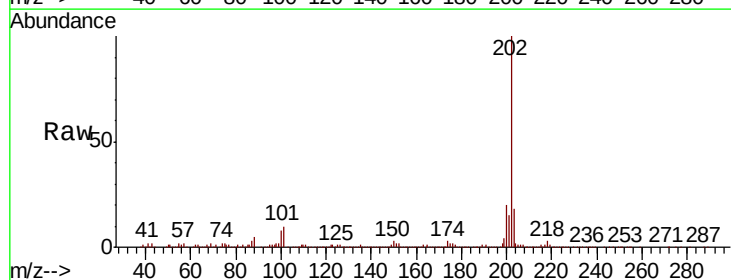
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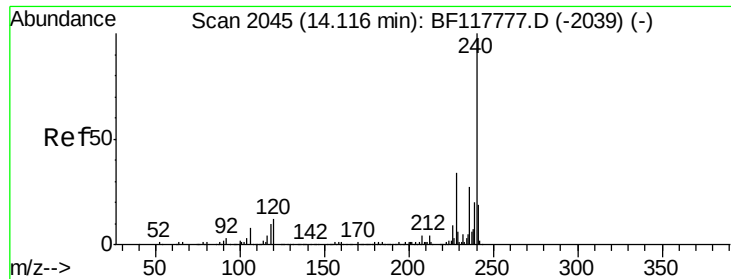
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#75
Fluoranthene
Concen: 3.178 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BF117847.D
Acq: 18 Nov 2019 20:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.1
203	17.6	0.0	38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117847.D

Acq: 18 Nov 2019 20:45

Instrument :

BNA_F

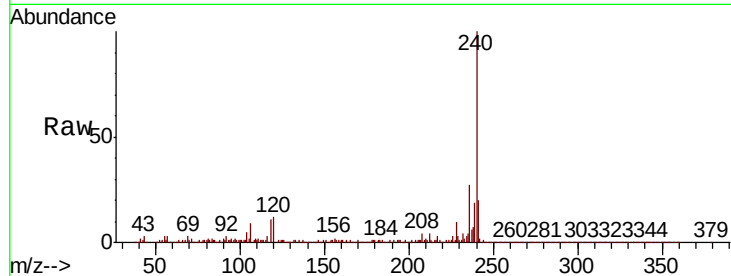
ClientSampleId :

3-(8-10)

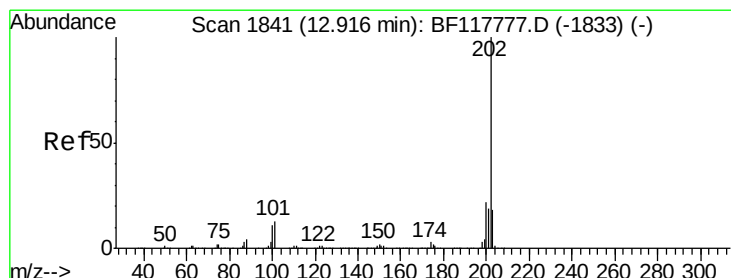
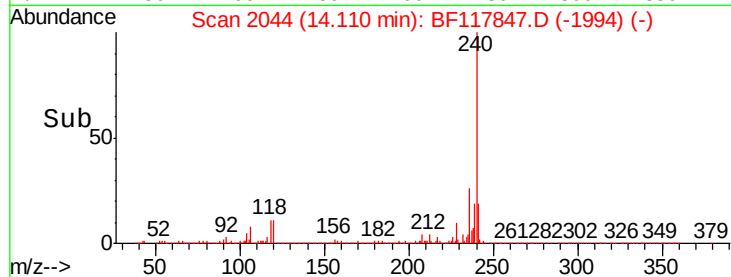
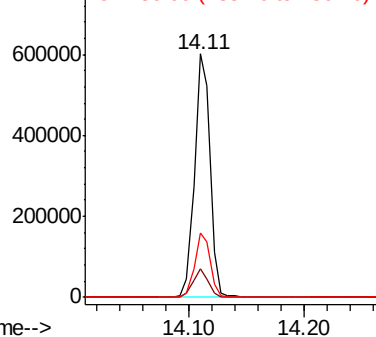
Tot Ion:	240	Resp:	558048
Ion Ratio	Lower	Upper	
240	100		
120	11.6	9.5	14.3
236	26.5	21.3	31.9

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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

Pyrene

Concen: 7.470 ng

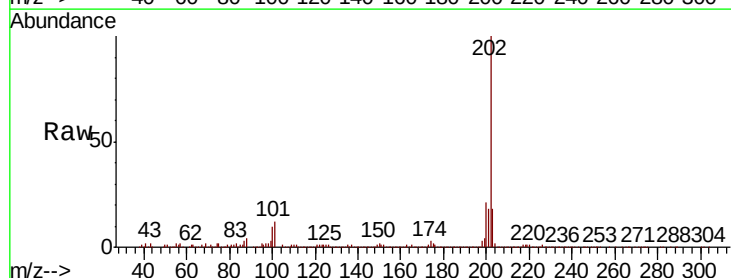
RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

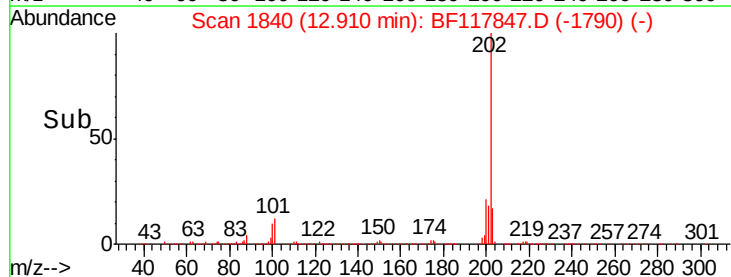
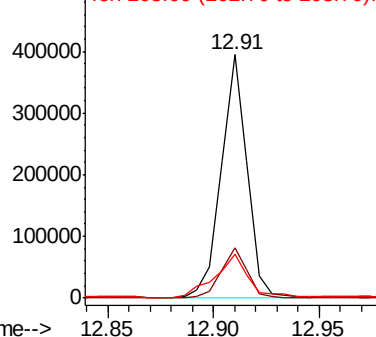
Lab File: BF117847.D

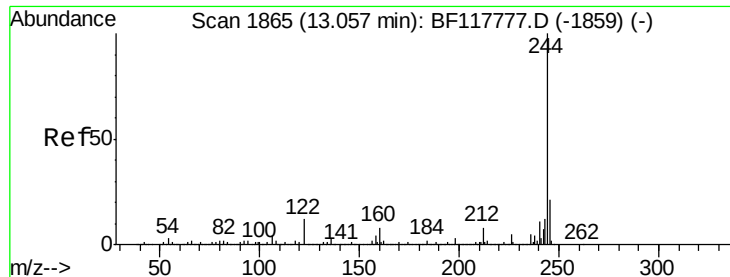
Acq: 18 Nov 2019 20:45

Tgt Ion:	202	Resp:	336909
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.8	26.8
203	18.0	14.6	22.0



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: 49.980 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117847.D

Acq: 18 Nov 2019 20:45

Instrument :

BNA_F

ClientSampled :

3-(8-10)

Tot Ion:244 Resp: 1526107

Ion Ratio Lower Upper

244 100

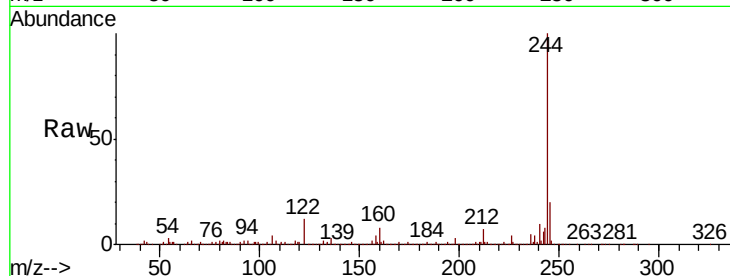
212 7.2 6.3 9.5

122 11.9 9.4 14.2

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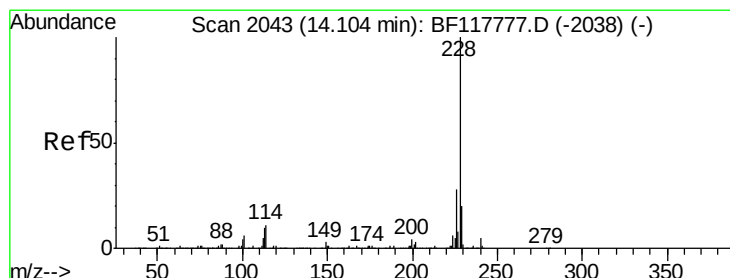
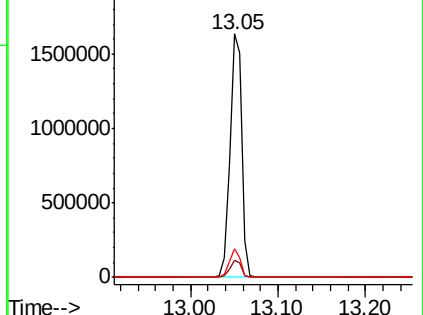
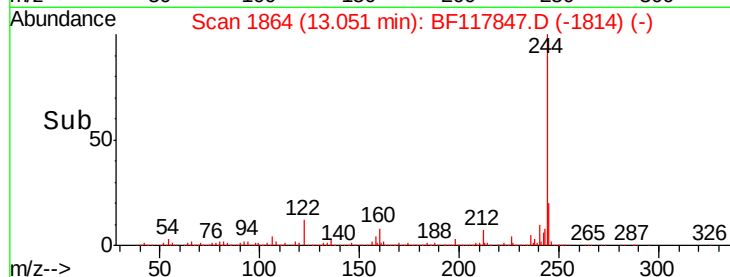
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.852 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BF117847.D

Acq: 18 Nov 2019 20:45

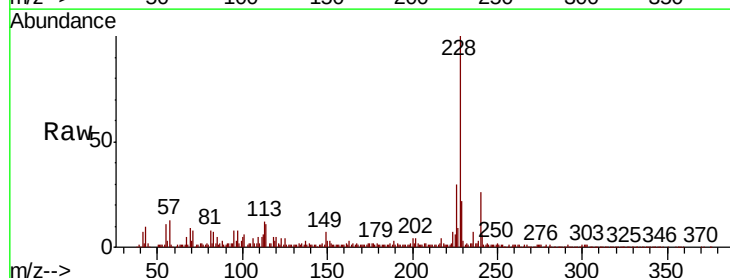
Tgt Ion:228 Resp: 178938

Ion Ratio Lower Upper

228 100

226 29.6 22.2 33.2

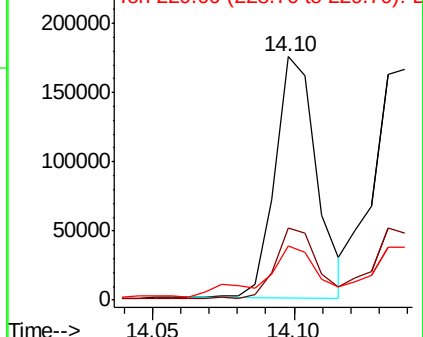
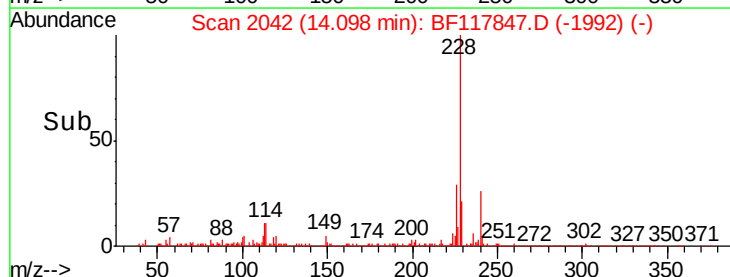
229 22.2 15.9 23.9

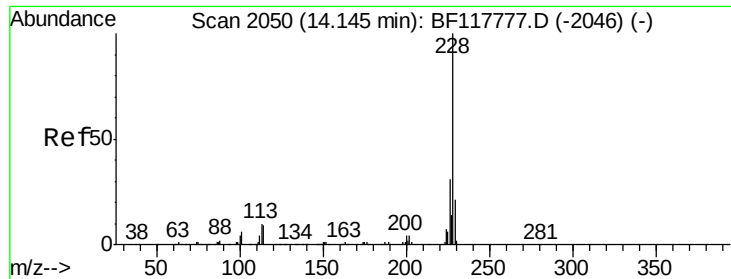


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





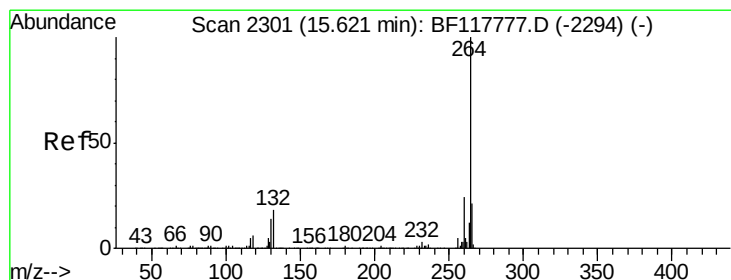
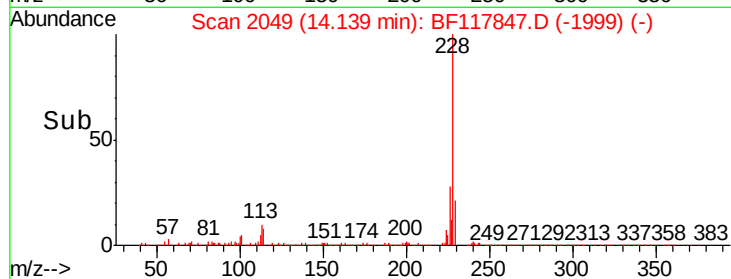
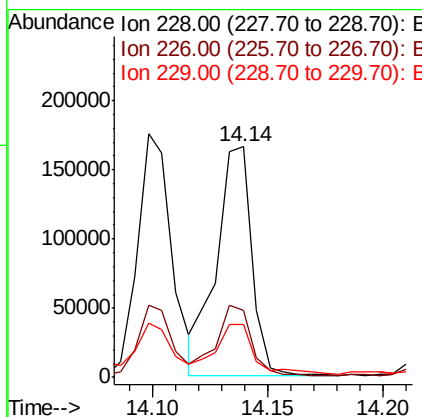
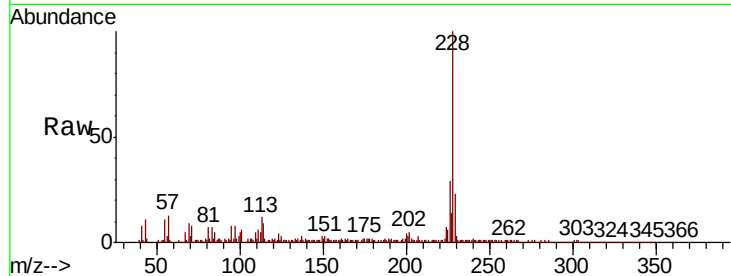
#83
Chrysene
Concen: 4.916 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF117847.D
Acq: 18 Nov 2019 20:45

Instrument :
BNA_F
ClientSampleId :
3-(8-10)

Tot Ion:	228	Resp:	175677
Ion Ratio	Lower	Upper	
228	100		
226	29.3	25.0	37.4
229	22.8	16.6	25.0

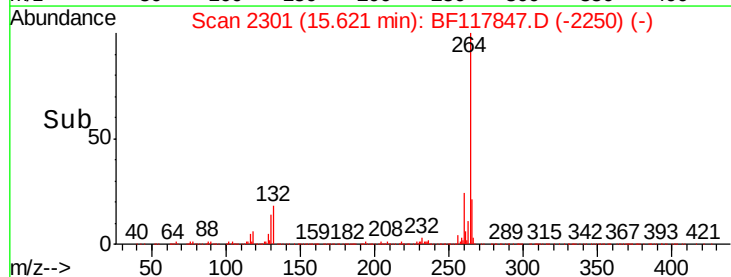
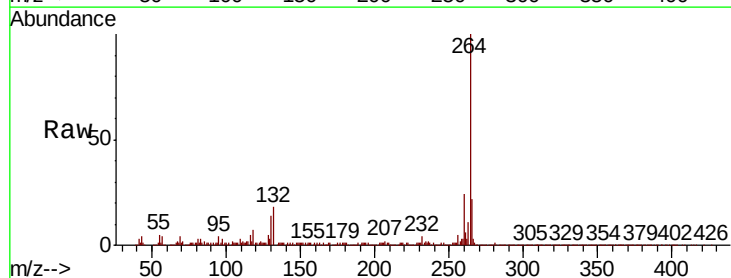
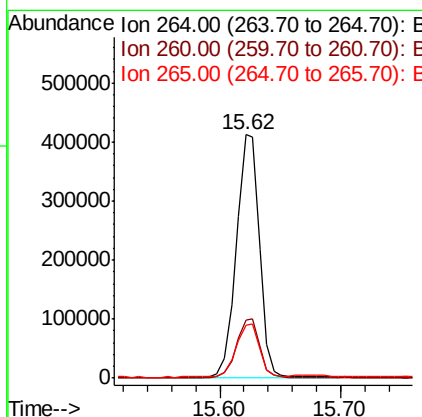
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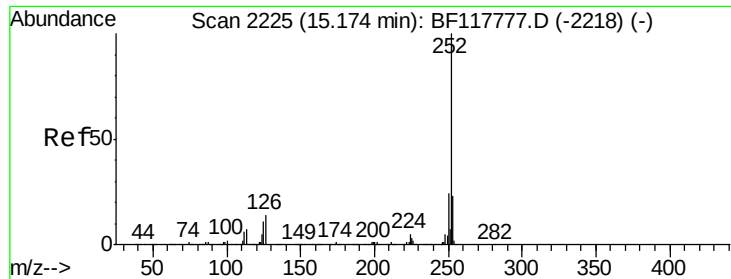
mohammad
11/19/2019 2:36:28 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.00 min
Lab File: BF117847.D
Acq: 18 Nov 2019 20:45

Tgt Ion:	264	Resp:	550210
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.4	29.0
265	21.7	17.1	25.7





#88

Benzo(b)fluoranthene

Concen: 5.384 ng m

RT: 15.17 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BF117847.D

Acq: 18 Nov 2019 20:45

Instrument :

BNA_F

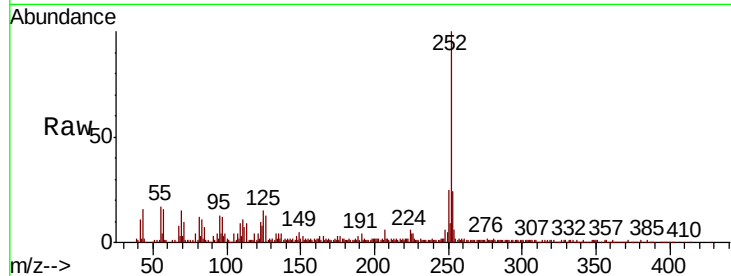
ClientSampleId :

3-(8-10)

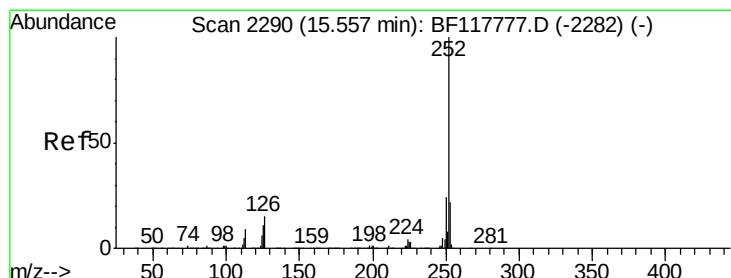
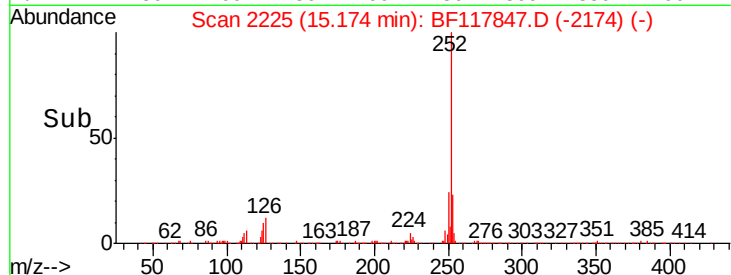
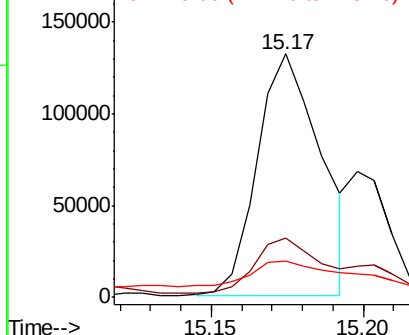
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	15.1	8.6	13.0#

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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



#90

Benzo(a)pyrene

Concen: 3.911 ng

RT: 15.56 min Scan# 2290

Delta R.T. 0.00 min

Lab File: BF117847.D

Acq: 18 Nov 2019 20:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	14.9	9.2	13.8#

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

