

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117845.D
 Acq On : 18 Nov 2019 19:48
 Operator : JU
 Sample : K5865-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-(2-4)

Manual Integrations
 APPROVED

mohammad
 11/19/2019 2:36:22 PM

Quant Time: Nov 19 00:26:31 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	237584	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	875935	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	409997	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	627961	20.00	ng	0.00
76) Chrysene-d12	14.11	240	514791	20.00	ng	0.00
87) Perylene-d12	15.62	264	561814	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	127649	9.51	ng	0.00
7) Phenol-d6	6.53	99	1040891	64.30	ng	-0.01
23) Nitrobenzene-d5	7.48	82	1029095	69.84	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	4200	0.97	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	1883719	82.43	ng	0.00
79) Terphenyl-d14	13.05	244	1680910	59.68	ng	0.00
Target Compounds						
10) Phenol	6.55	94	113395	6.741	ng	97
15) Benzyl Alcohol	7.05	79	30710	2.457	ng	98
50) Dimethylphthalate	9.67	163	234116	8.143	ng	100
71) Phenanthrene	11.49	178	209531	6.637	ng	96
75) Fluoranthene	12.68	202	283810	2.818	ng	97
78) Pyrene	12.91	202	275978	6.634	ng	99
81) Benzo(a)anthracene	14.10	228	152710	4.489	ng	96
83) Chrysene	14.13	228	138144	4.191	ng	98
84) Bis(2-ethylhexyl)phthalate	14.09	149	50861	2.348	ng	95
86) Indeno(1,2,3-cd)pyrene	17.15	276	63041	2.247	ng	95
88) Benzo(b)fluoranthene	15.17	252	198290m	5.432	ng	
90) Benzo(a)pyrene	15.56	252	121792	3.794	ng	# 91
92) Benzo(a,h,i)perylene	17.62	276	58602	2.130	ng	93

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

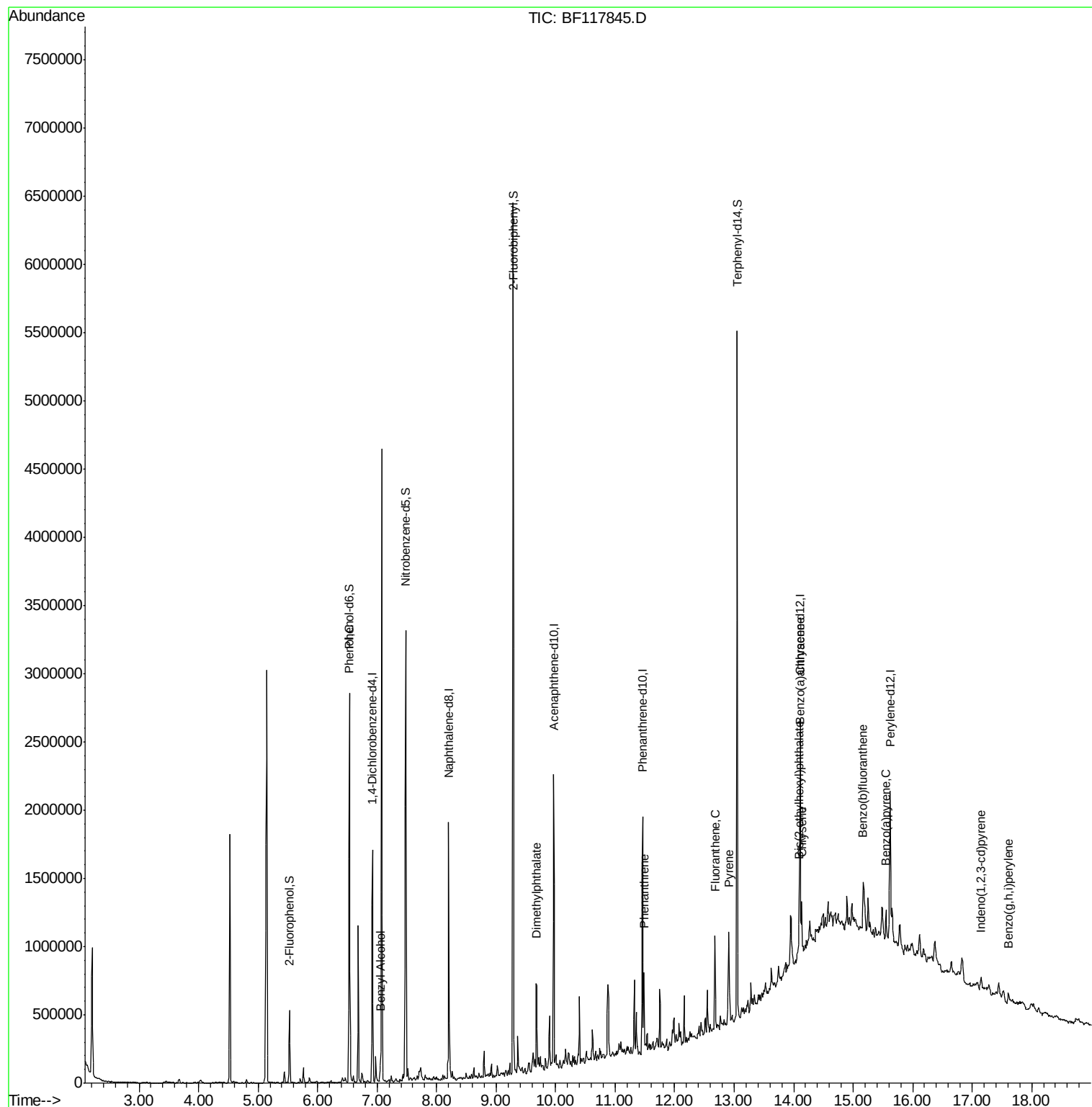
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117845.D
Acq On : 18 Nov 2019 19:48
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Sample : K5865-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

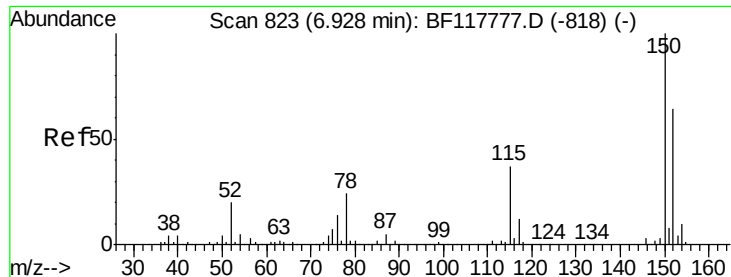
Instrument :
BNA_F
ClientSampleId :
3-(2-4)

Manual Integrations
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
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#1

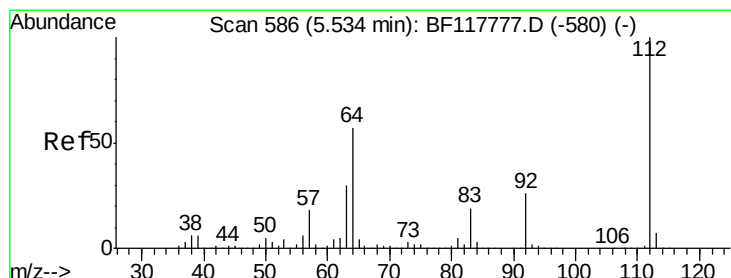
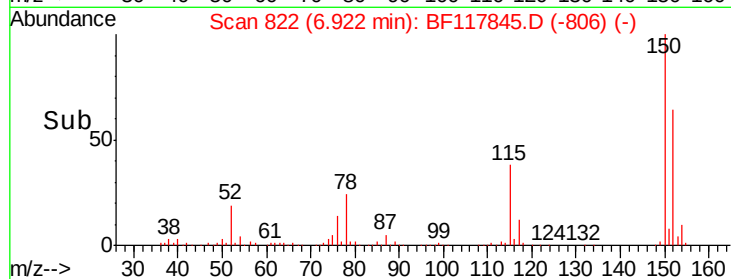
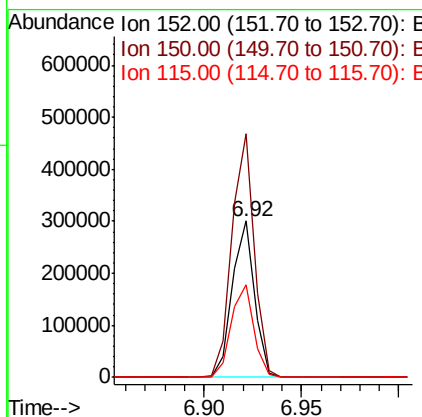
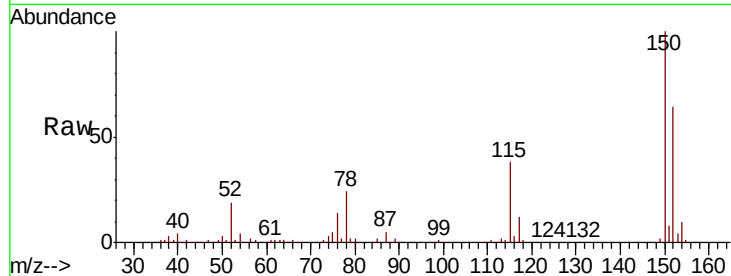
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Instrument :
BNA_F
ClientSampleId :
3-(2-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	125.3	187.9
115	59.3	47.0	70.4

Manual Integrations
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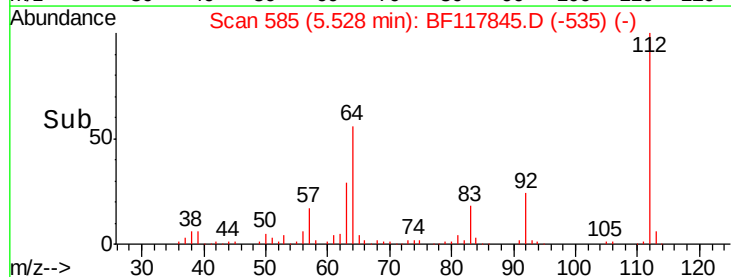
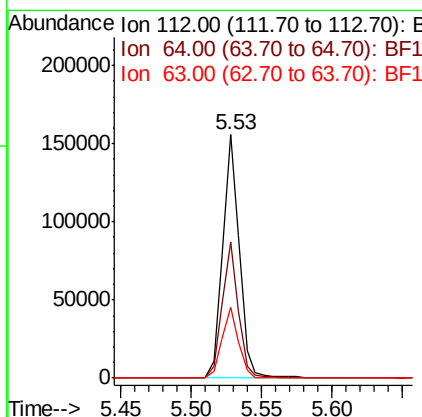
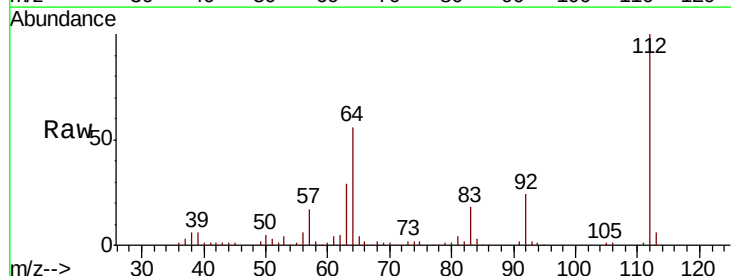
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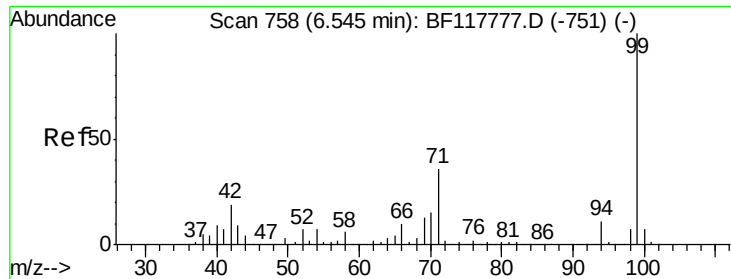


#5

2-Fluorophenol
Concen: 9.510 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.6	68.4
63	28.9	24.1	36.1





#7

Phenol-d6

Concen: 64.296 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Instrument :

BNA_F

ClientSampleId :

3-(2-4)

Tot Ion: 99 Resp: 1040891

Ion Ratio Lower Upper

99 100

42 18.7 14.9 22.3

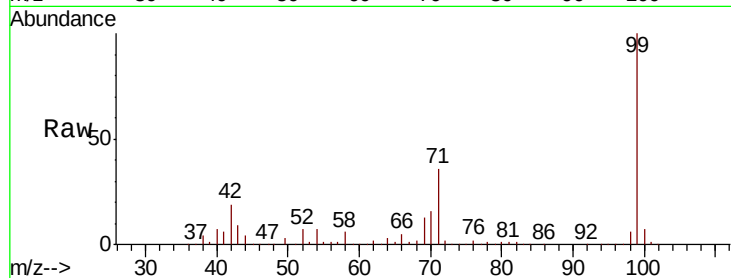
71 35.5 28.6 43.0

Manual Integrations

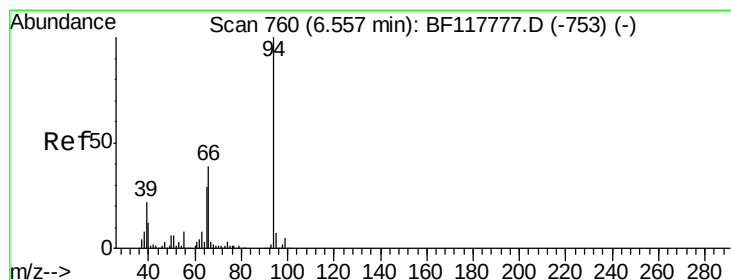
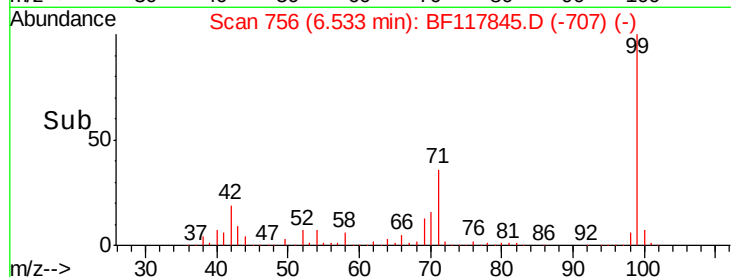
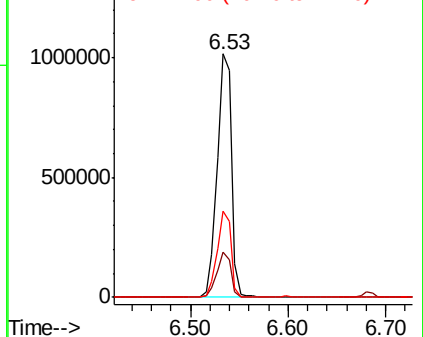
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.741 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

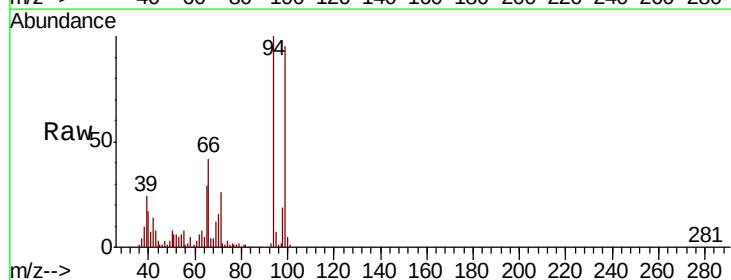
Tgt Ion: 94 Resp: 113395

Ion Ratio Lower Upper

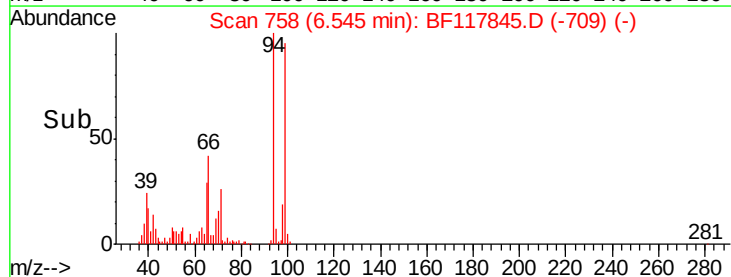
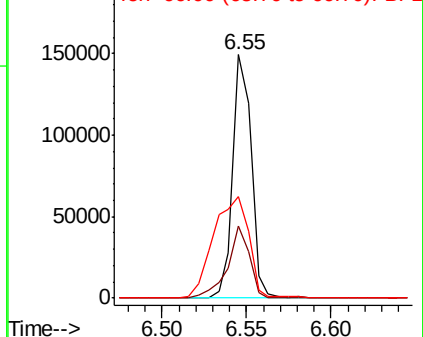
94 100

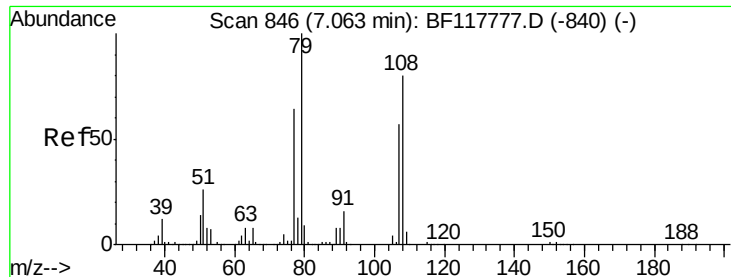
65 29.5 8.9 48.9

66 41.8 18.7 58.7



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 2.457 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Instrument :

BNA_F

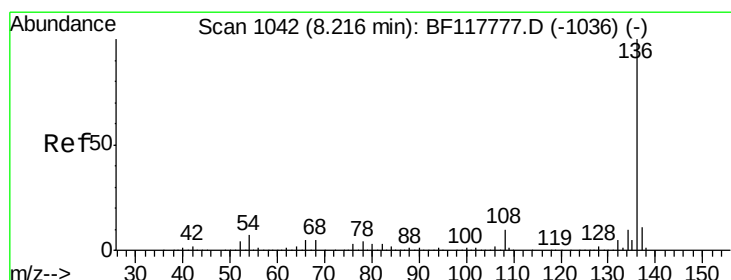
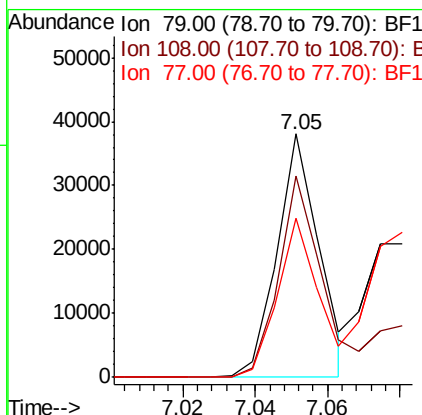
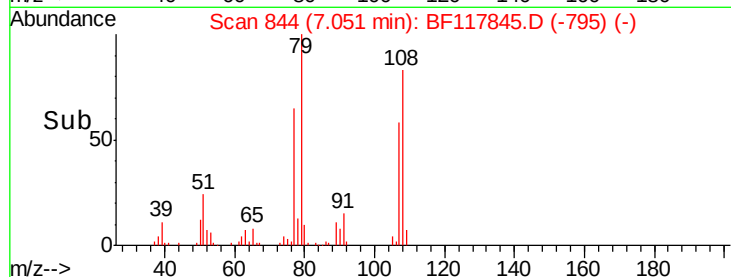
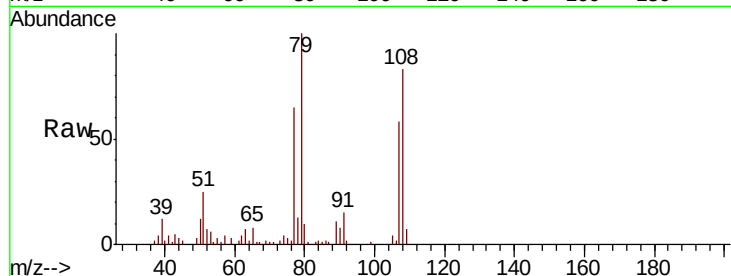
ClientSampled :

3-(2-4)

Tot Ion:	79	Resp:	30710
Ion	Ratio	Lower	Upper
79	100		
108	82.8	64.1	96.1
77	65.4	51.3	76.9

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#21

Naphthalene-d8

Concen: 20.000 ng

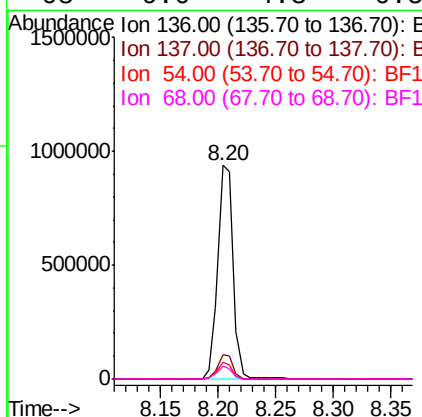
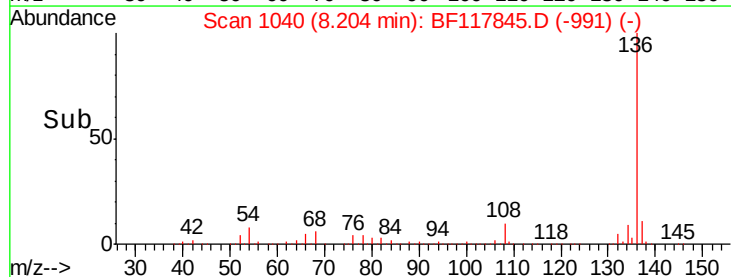
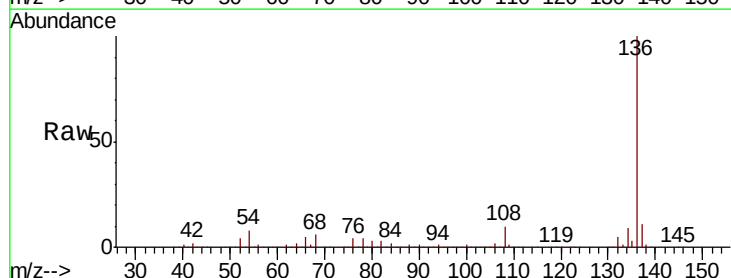
RT: 8.20 min Scan# 1040

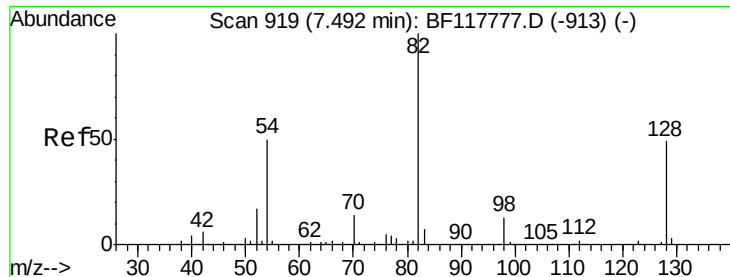
Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Tgt Ion:	136	Resp:	875935
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	7.6	5.4	8.2
68	6.0	4.3	6.5





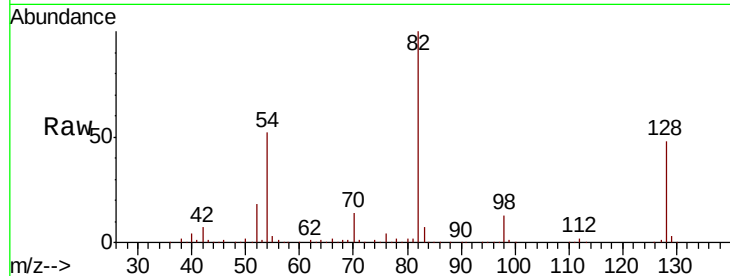
#23
Nitrobenzene-d5
Concen: 69.840 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Instrument :
BNA_F
ClientSampled :
3-(2-4)

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	38.9	58.3
54	51.6	39.8	59.6

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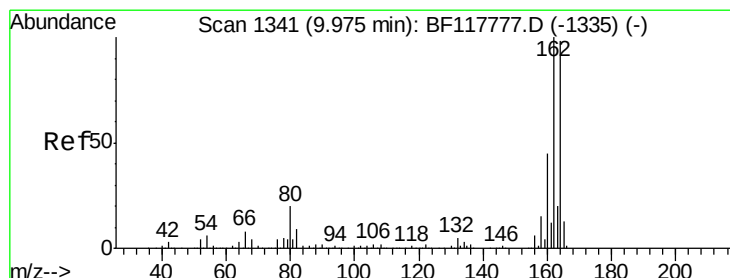
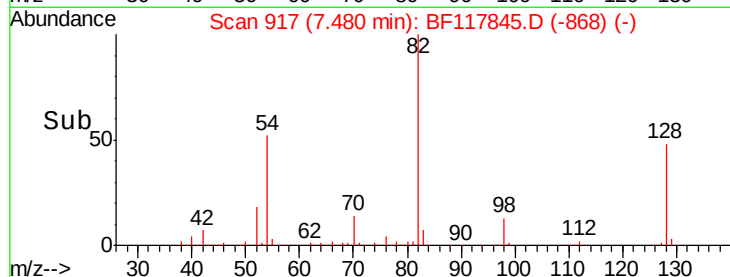
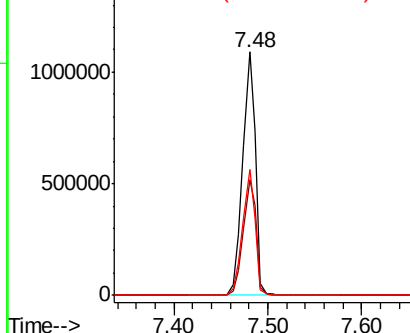


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

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: BF117845.D
Acq: 18 Nov 2019 19:48

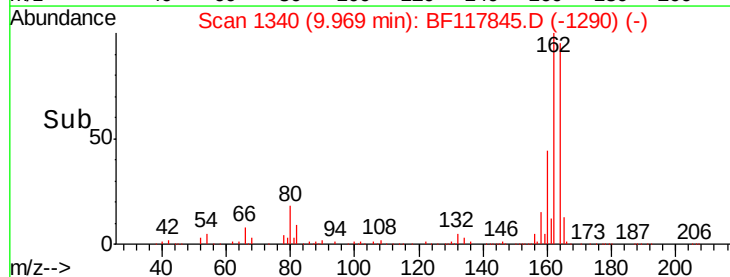
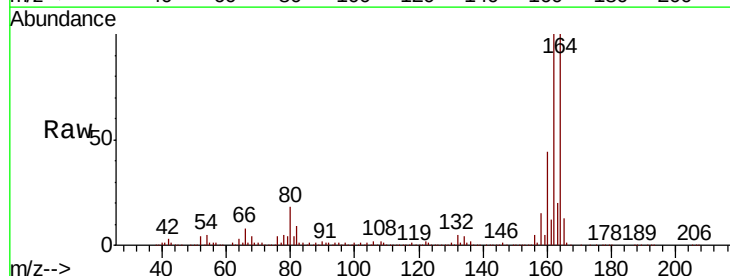
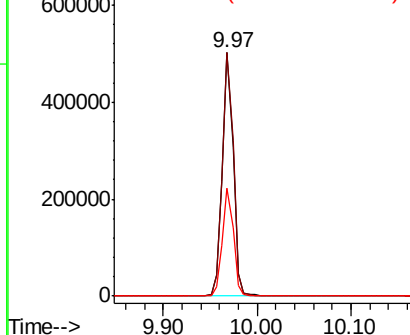
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.3	121.9
160	44.3	36.6	55.0

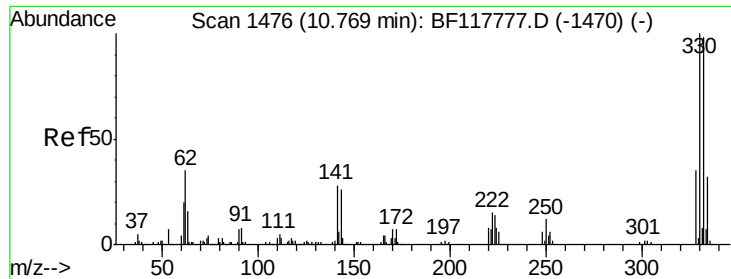
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 0.968 ng

RT: 10.76 min Scan# 1474

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Instrument :

BNA_F

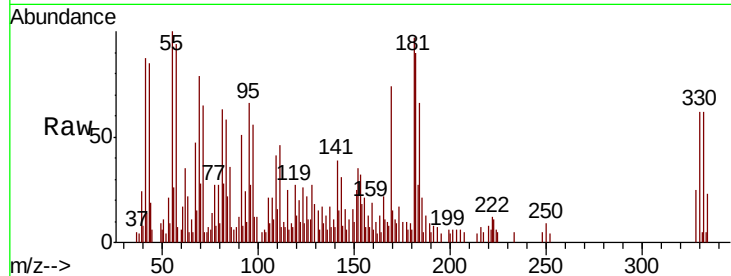
ClientSampled :

3-(2-4)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.7	115.1
141	50.5	27.7	41.5

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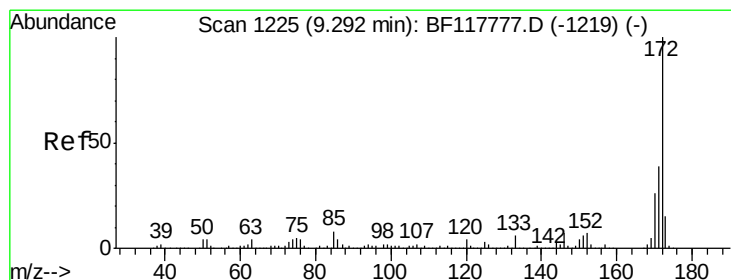
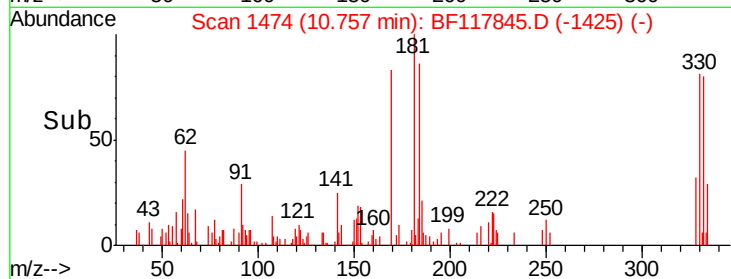
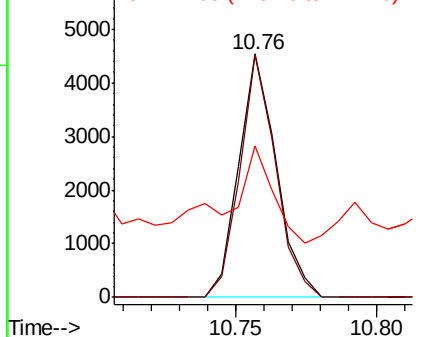


Abundance

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: 82.426 ng

RT: 9.29 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

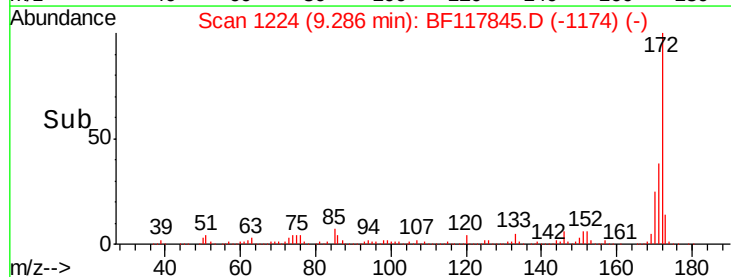
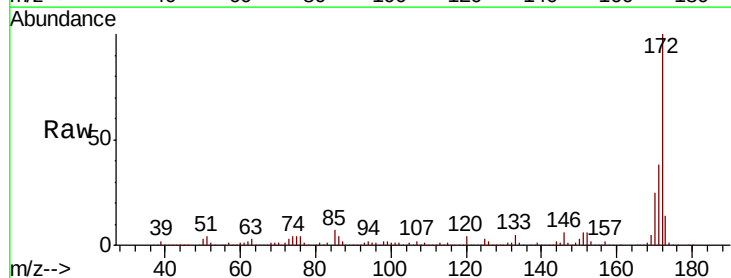
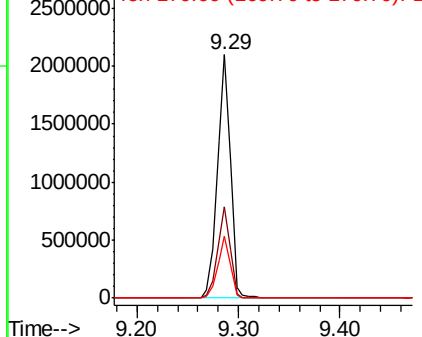
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.9	46.3
170	25.3	21.0	31.4

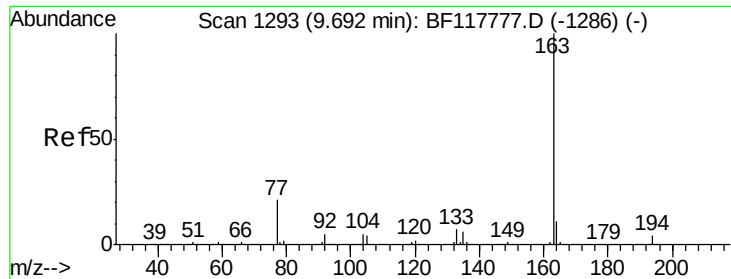
Abundance

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





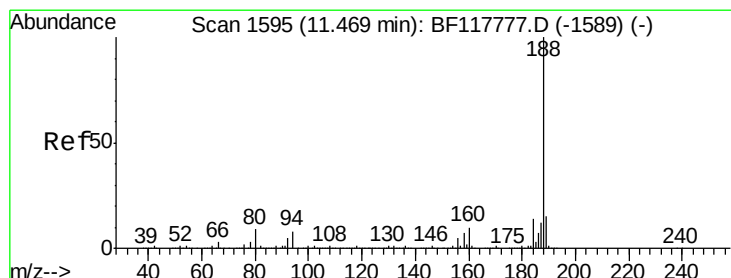
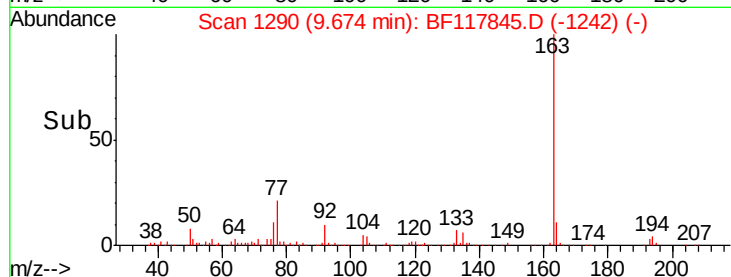
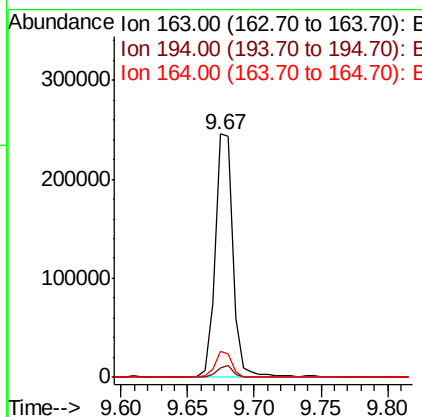
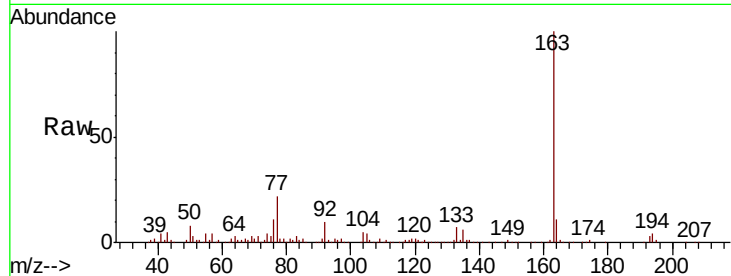
#50
Dimethylphthalate
Concen: 8.143 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Instrument :
BNA_F
ClientSampleId :
3-(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	234116		
194	4.0		3.3	4.9
164	10.9		8.7	13.1

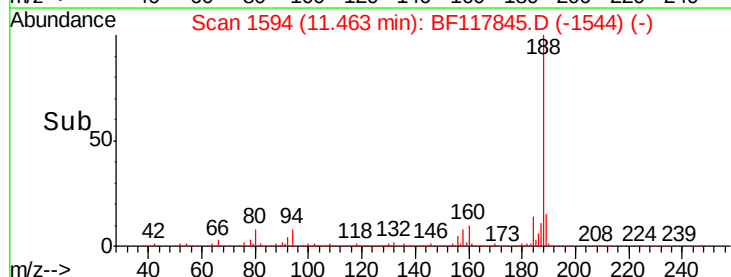
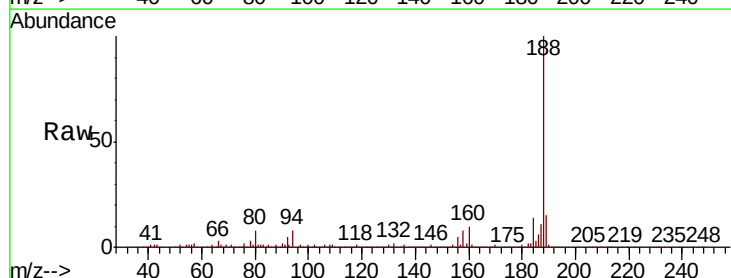
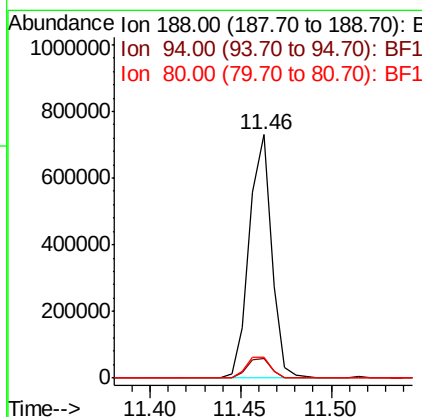
Manual Integrations
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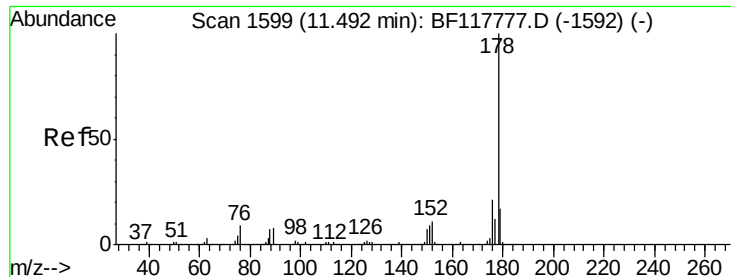
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	627961		
94	8.3		6.6	10.0
80	8.4		7.2	10.8





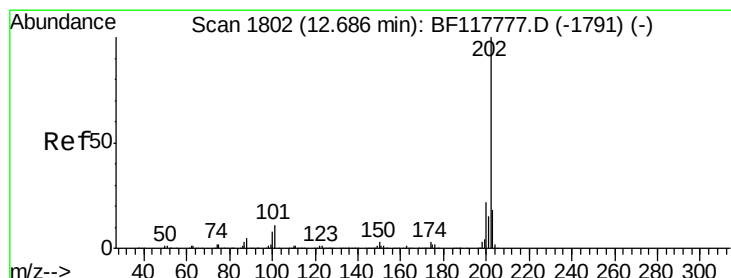
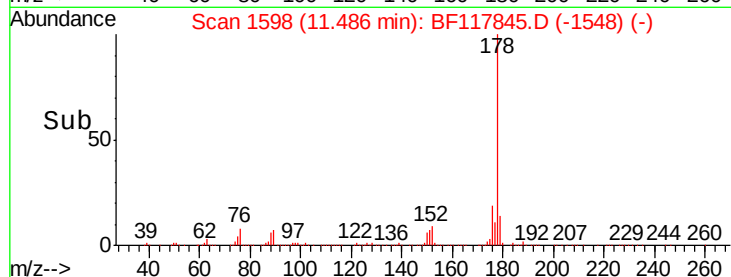
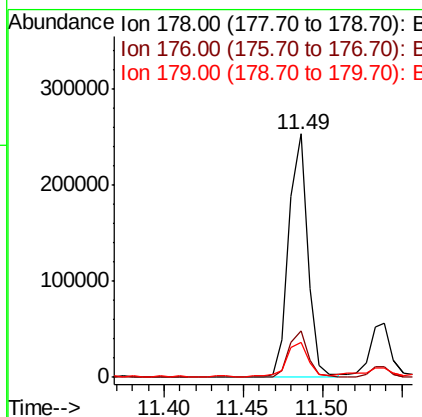
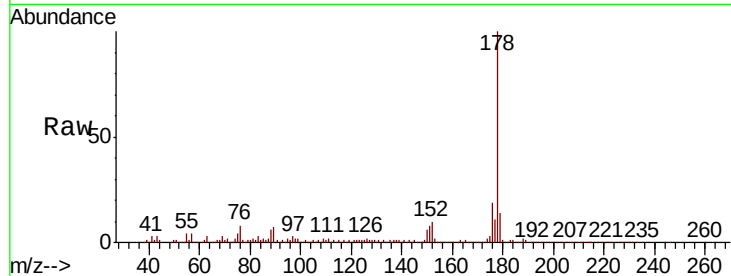
#71
Phenanthrene
Concen: 6.637 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Instrument :
BNA_F
ClientSampleId :
3-(2-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.6	25.0
179	14.4	13.2	19.8

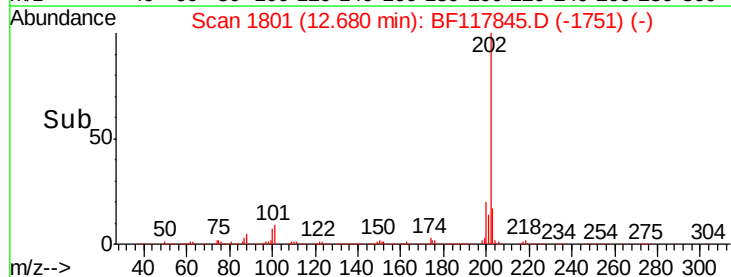
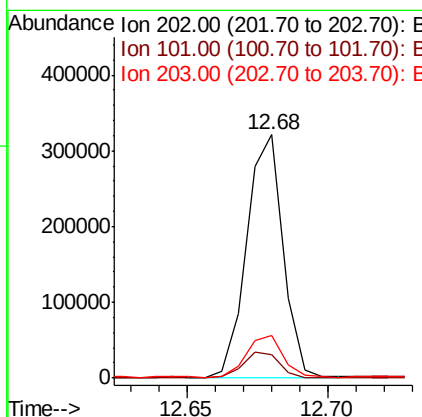
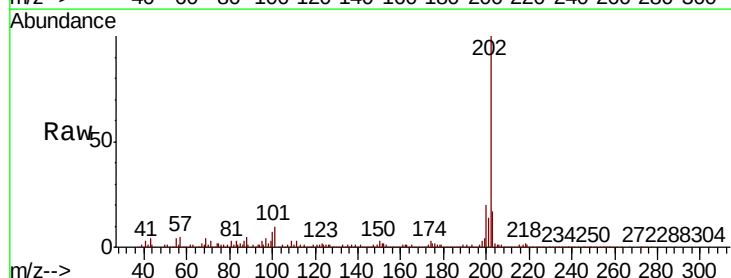
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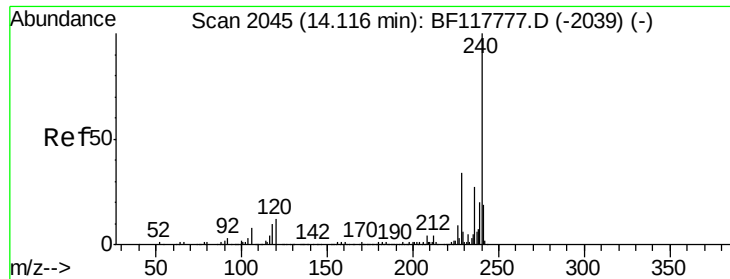
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#75
Fluoranthene
Concen: 2.818 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	31.1
203	17.4	0.0	38.2





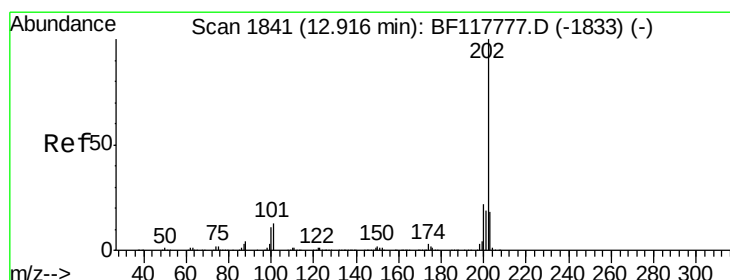
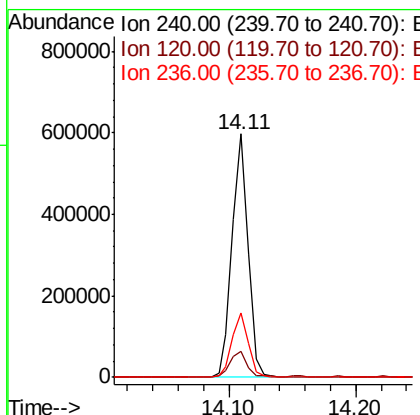
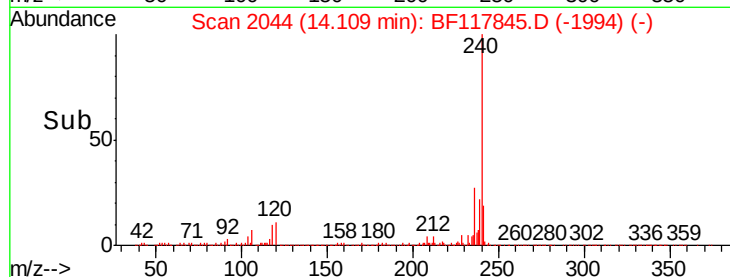
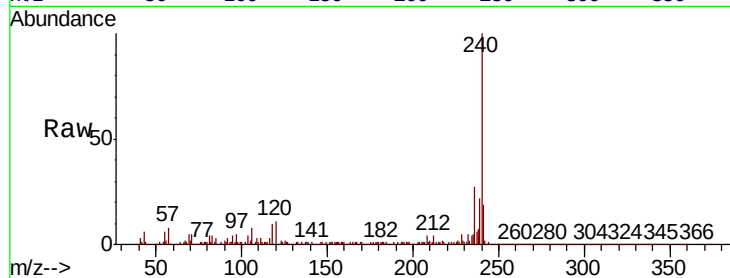
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Instrument :
BNA_F
ClientSampleId :
3-(2-4)

Tot Ion:	240	Resp:	514791
Ion Ratio	Lower	Upper	
240	100		
120	11.0	9.5	14.3
236	26.7	21.3	31.9

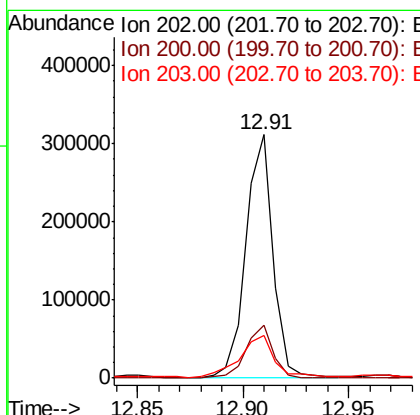
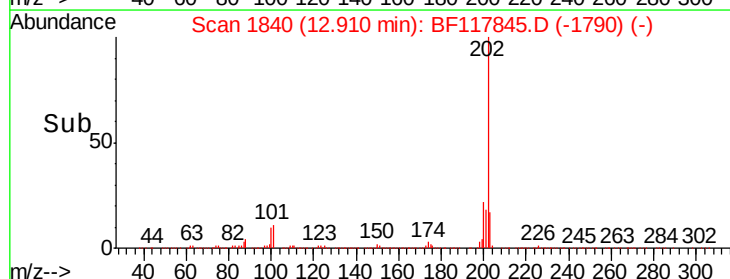
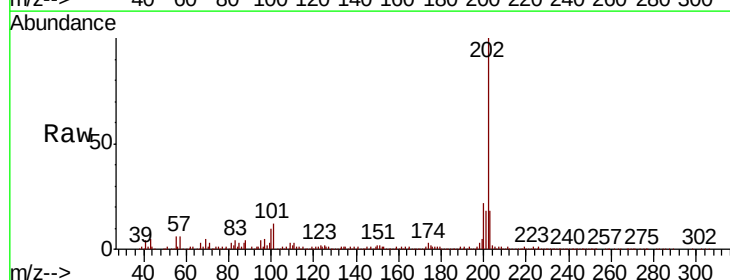
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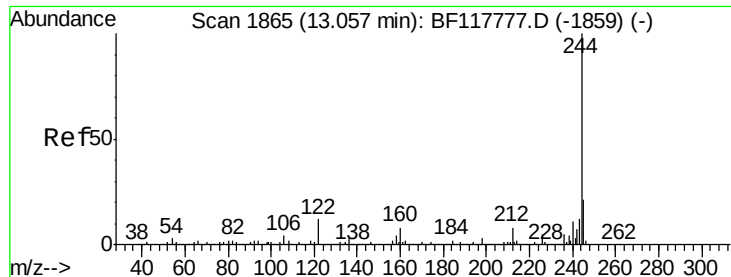
mohammad
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#78
Pyrene
Concen: 6.634 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Tgt Ion:	202	Resp:	275978
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.8	26.8
203	17.7	14.6	22.0





#79

Terphenyl-d14

Concen: 59.676 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Instrument :

BNA_F

ClientSampled :

3-(2-4)

Tot Ion:244 Resp: 1680910

Ion Ratio Lower Upper

244 100

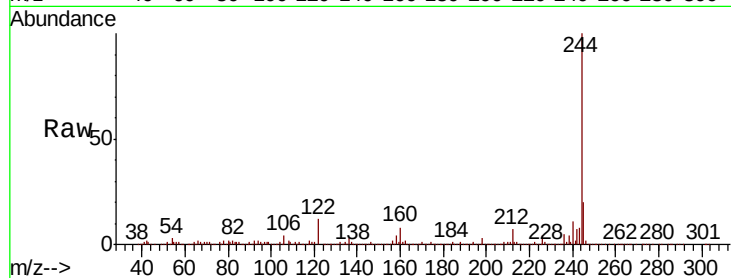
212 7.3 6.3 9.5

122 11.6 9.4 14.2

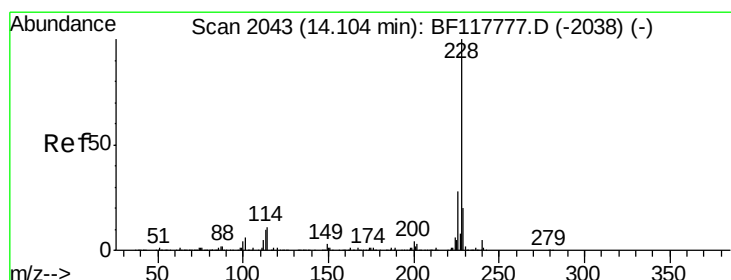
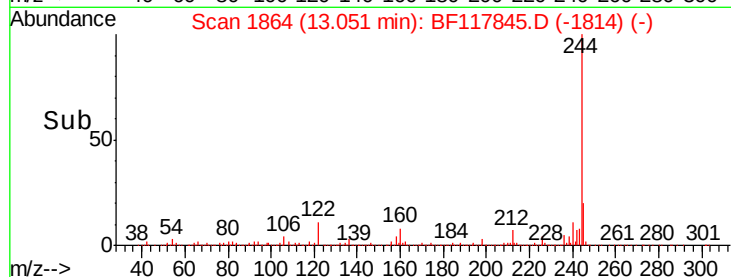
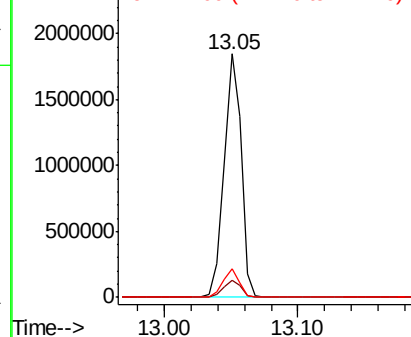
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.489 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

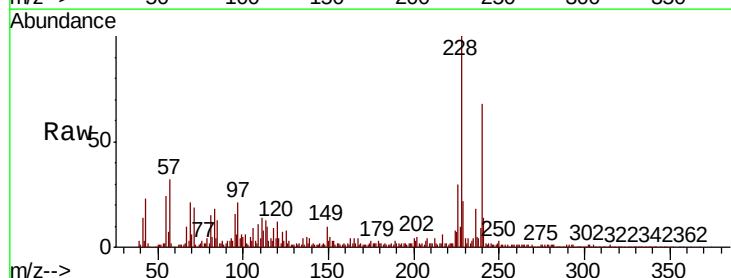
Tgt Ion:228 Resp: 152710

Ion Ratio Lower Upper

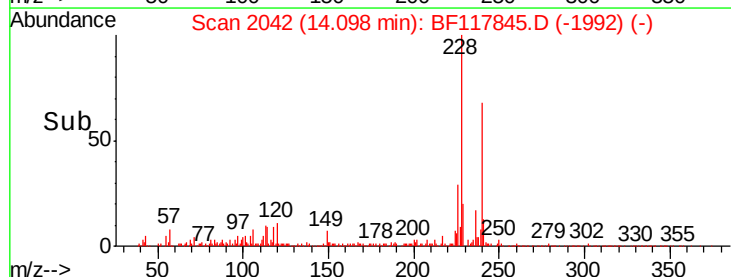
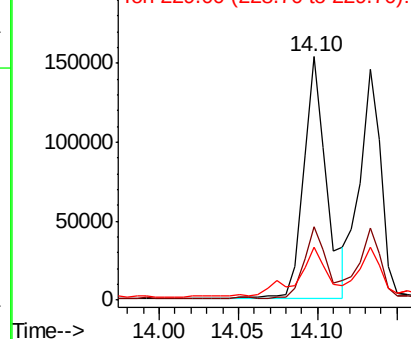
228 100

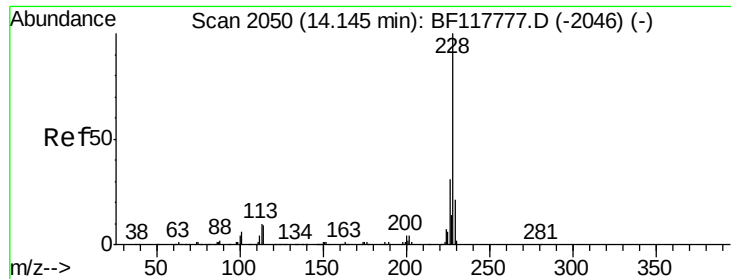
226 30.1 22.2 33.2

229 21.7 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





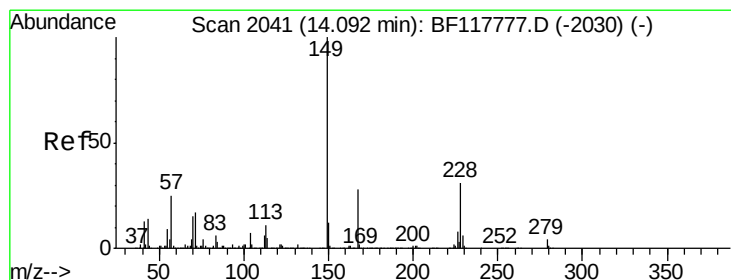
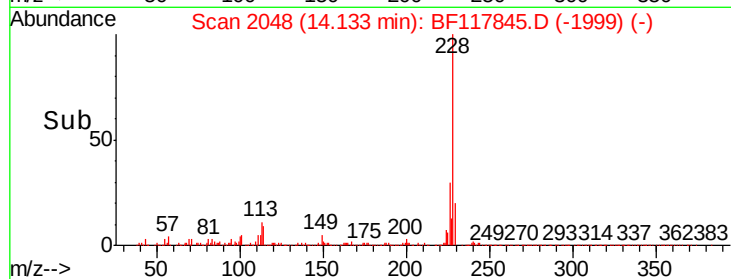
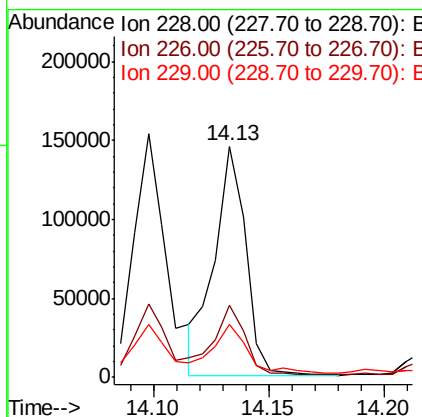
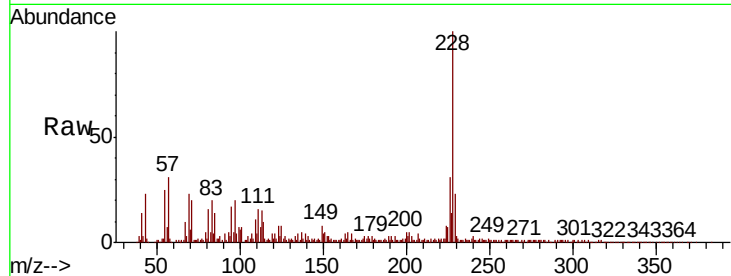
#83
Chrysene
Concen: 4.191 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Instrument :
BNA_F
ClientSampleId :
3-(2-4)

Tot Ion:	228	Resp:	138144
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.4
229	22.7	16.6	25.0

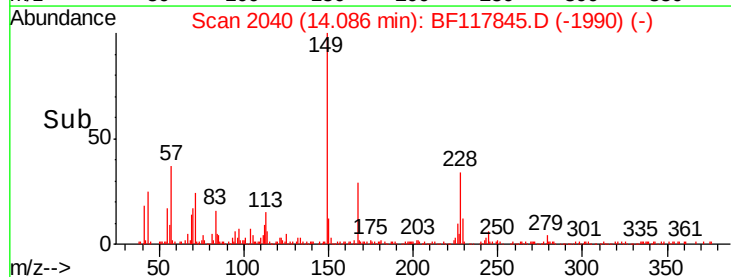
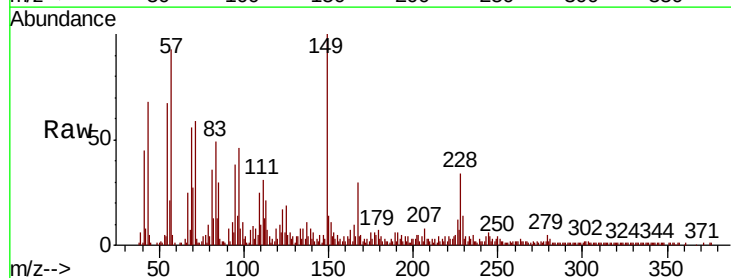
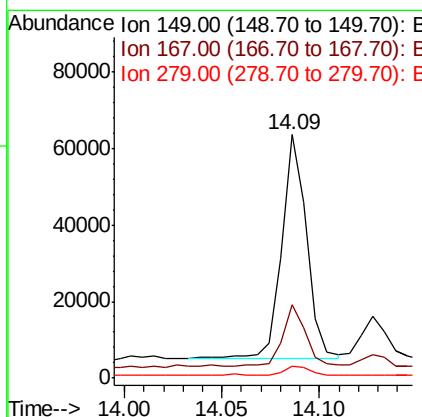
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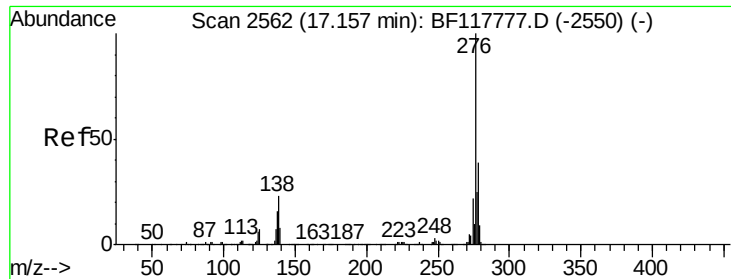
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.348 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Tgt Ion:	149	Resp:	50861
Ion Ratio	Lower	Upper	
149	100		
167	30.4	22.2	33.2
279	4.8	3.4	5.2





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.247 ng

RT: 17.15 min Scan# 2561

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Instrument :

BNA_F

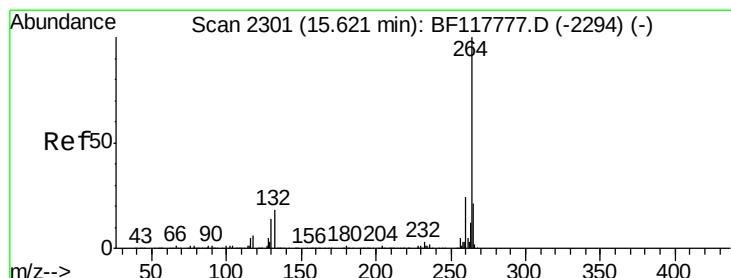
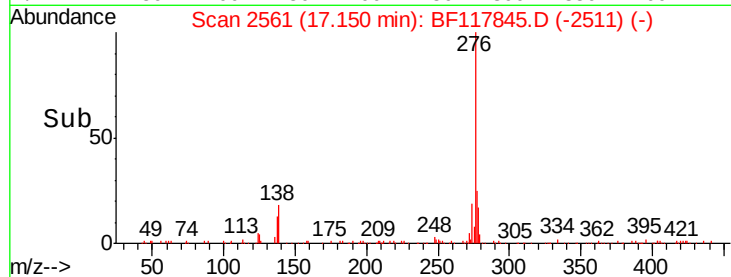
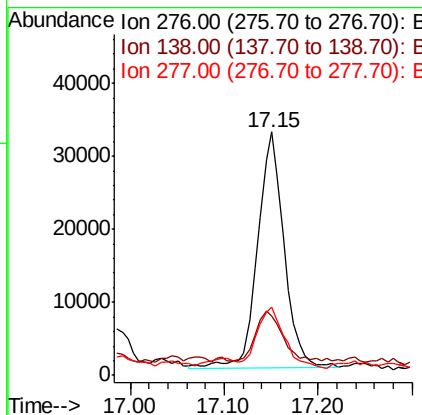
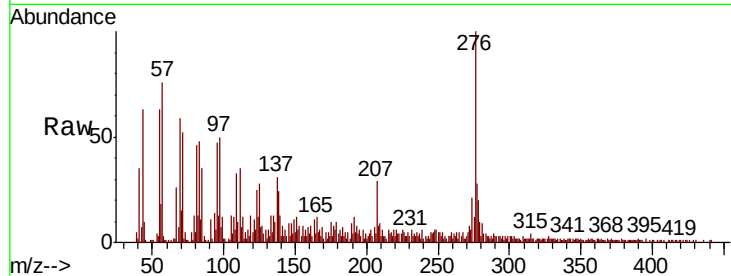
ClientSampleId :

3-(2-4)

Tot Ion:	276	Resp:	63041
Ion Ratio	Lower	Upper	
276	100		
138	22.0	20.9	31.3
277	26.9	20.3	30.5

Manual Integrations
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#87

Perylene-d12

Concen: 20.000 ng

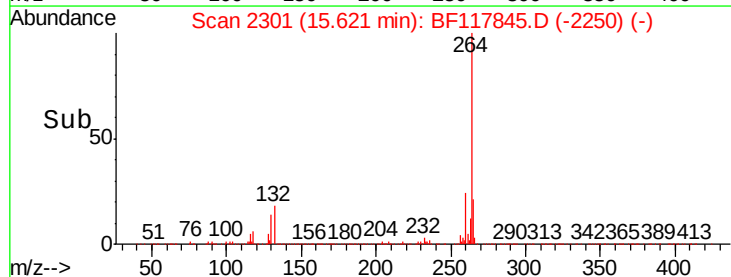
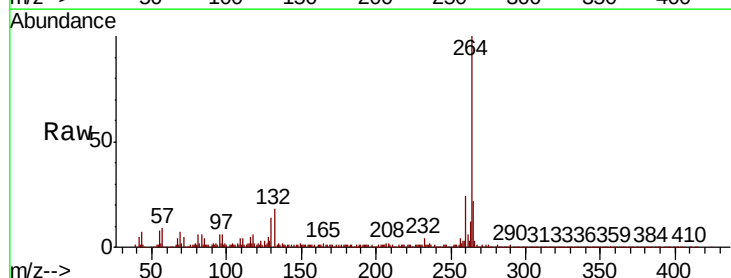
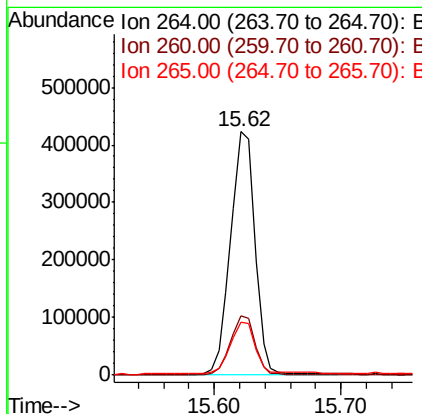
RT: 15.62 min Scan# 2301

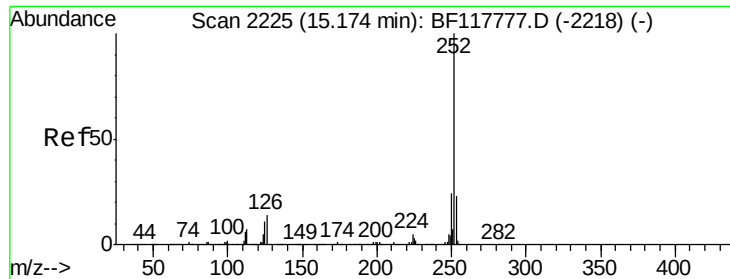
Delta R.T. -0.00 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Tgt Ion:	264	Resp:	561814
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.4	29.0
265	21.8	17.1	25.7





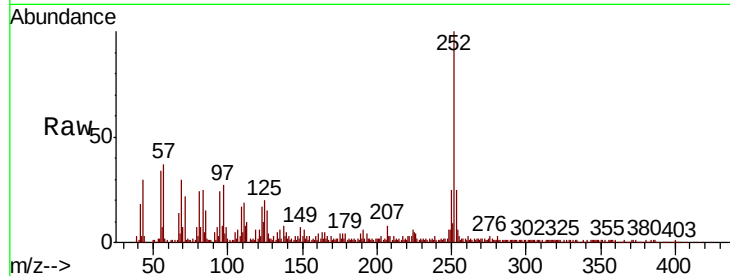
#88
Benzo(b)fluoranthene
Concen: 5.432 ng m
RT: 15.17 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Instrument :
BNA_F
ClientSampleId :
3-(2-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.0	27.0
125	20.5	8.6	13.0

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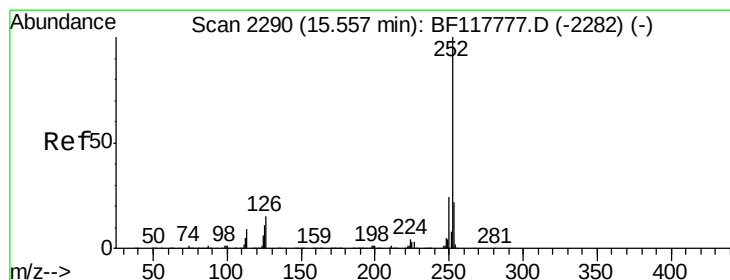
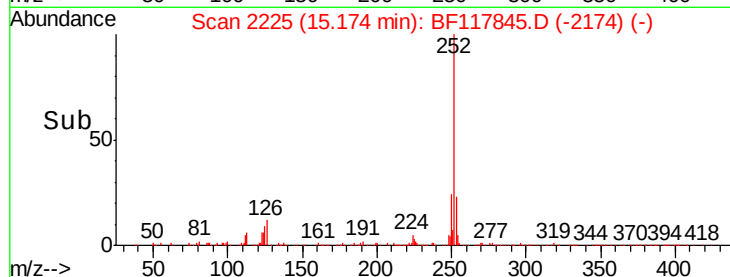
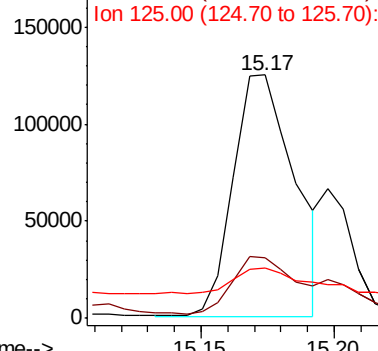


Abundance

Ion 252.00 (251.70 to 252.70): E

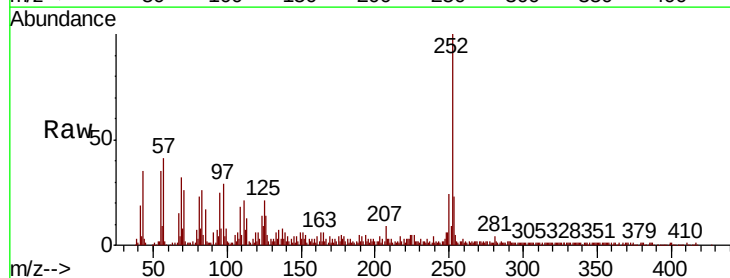
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 3.794 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	20.6	9.2	13.8

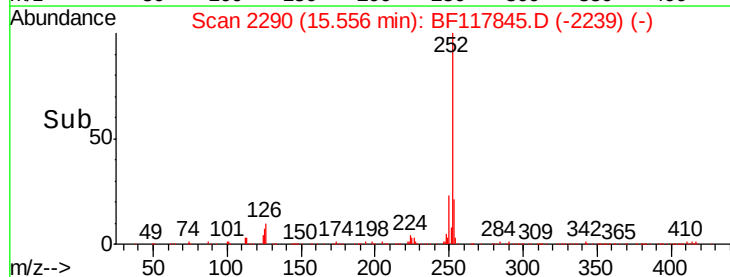
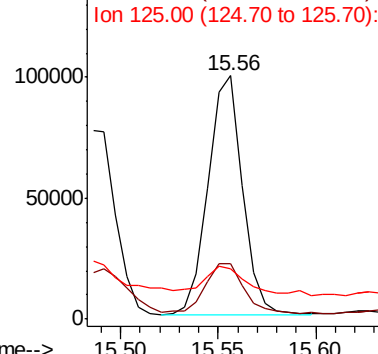


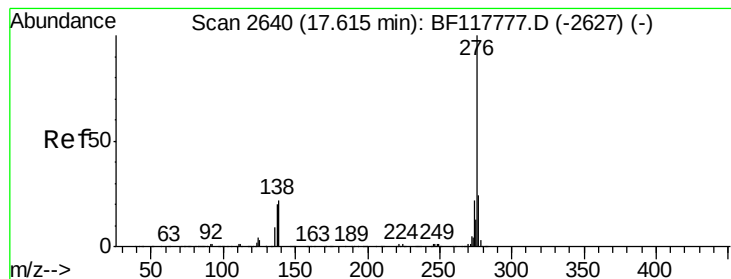
Abundance

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





#92

Benzo(a,h,i)perylene

Concen: 2.130 ng

RT: 17.62 min Scan# 2640

Delta R.T. -0.00 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Instrument :

BNA_F

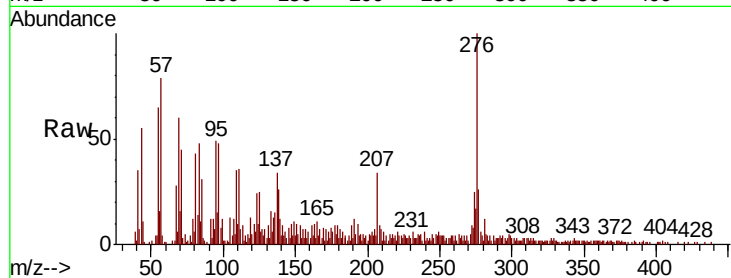
ClientSampleId :

3-(2-4)

Tot Ion:	276	Resp:	58602
Ion Ratio	Lower	Upper	
276	100		
277	26.2	18.9	28.3
138	25.7	17.4	26.2

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

