

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117871.D
 Acq On : 19 Nov 2019 20:36
 Operator : JU
 Sample : K5904-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 12-(0-2)

Manual Integrations
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Quant Time: Nov 20 01:31:37 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	204802	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	819870	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	430307	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	760841	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	456056	20.00	ng	-0.01
87) Perylene-d12	15.61	264	486715	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1446287	125.00	ng	0.00
7) Phenol-d6	6.54	99	2025407	145.13	ng	0.00
23) Nitrobenzene-d5	7.48	82	1252677	90.83	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	532609	116.91	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	2210951	92.18	ng	-0.01
79) Terphenyl-d14	13.05	244	2126444	85.22	ng	0.00
Target Compounds						
10) Phenol	6.55	94	92774	6.397	ng	98
50) Dimethylphthalate	9.67	163	218436	7.239	ng	97
71) Phenanthrene	11.48	178	189538	4.955	ng	95
78) Pyrene	12.90	202	260156	7.059	ng	97
81) Benzo(a)anthracene	14.09	228	104601	3.471	ng	97
83) Chrysene	14.13	228	110331	3.778	ng	97
88) Benzo(b)fluoranthene	15.16	252	93364m	2.952	ng	
90) Benzo(a)pyrene	15.54	252	62540	2.249	ng	99

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

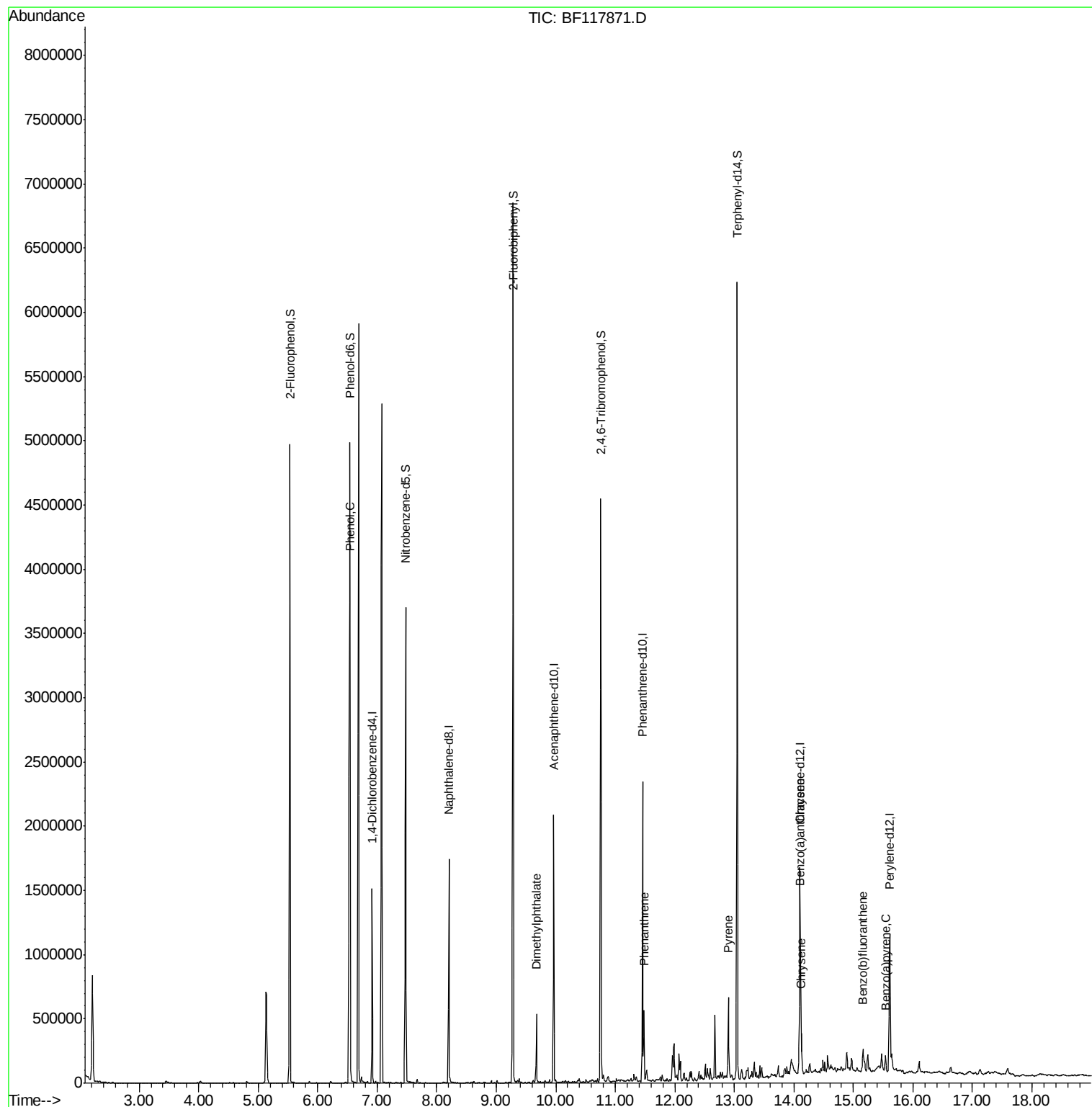
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117871.D
Acq On : 19 Nov 2019 20:36
Operator : JU
Sample : K5904-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

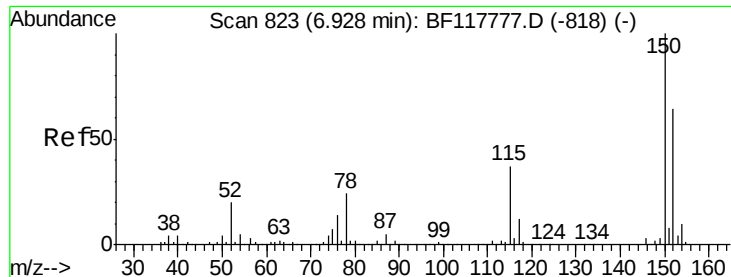
Instrument :
BNA_F
ClientSampleId :
12-(0-2)

Quant Time: Nov 20 01:31:37 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

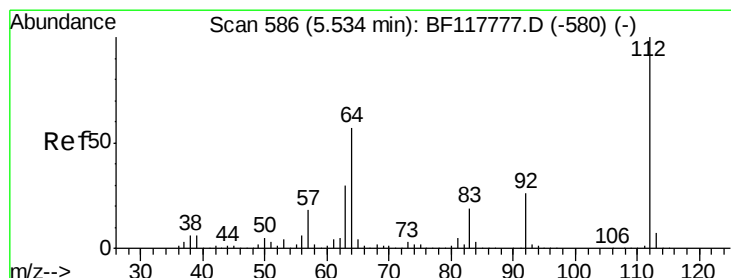
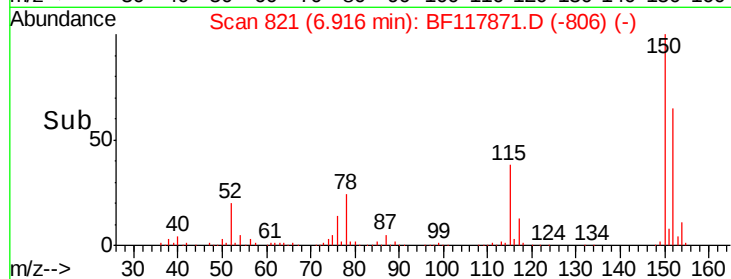
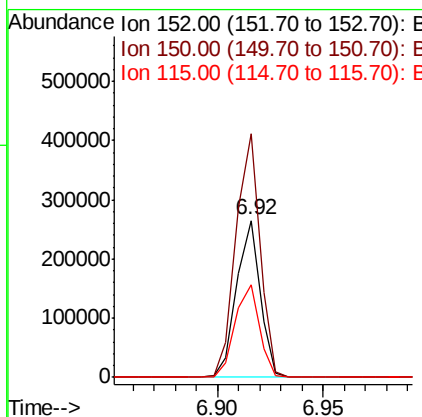
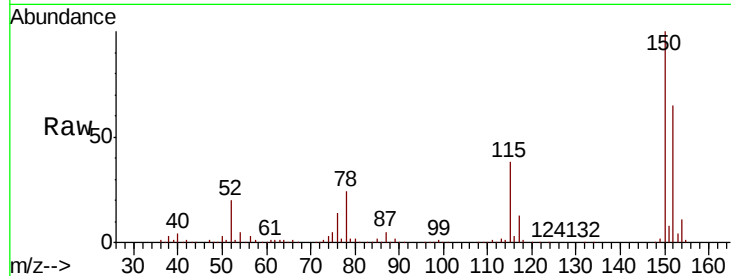
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Instrument :
BNA_F
ClientSampled :
12-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.3	187.9
115	58.8	47.0	70.4

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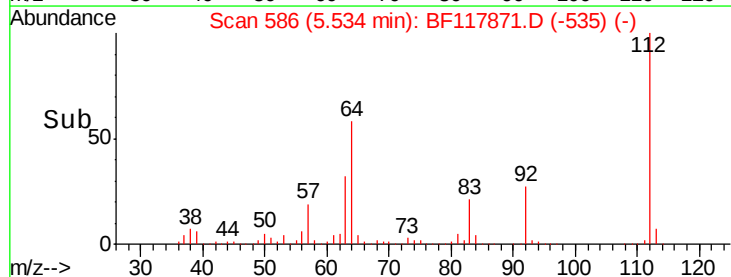
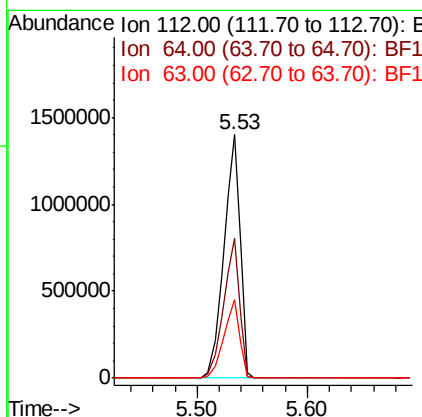
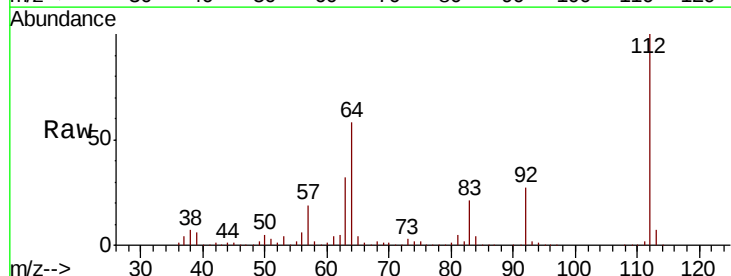
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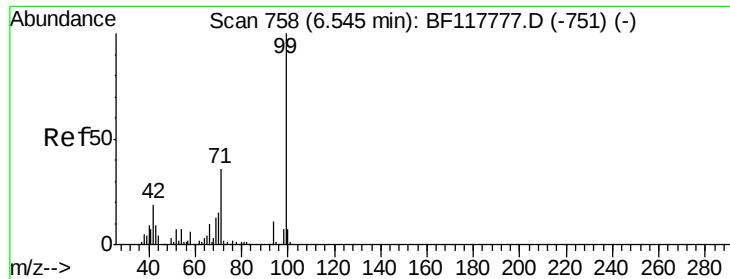


#5

2-Fluorophenol
Concen: 125.003 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.00 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.6	68.4
63	32.0	24.1	36.1





#7

Phenol-d6

Concen: 145.135 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117871.D

Acq: 19 Nov 2019 20:36

Instrument :

BNA_F

ClientSampleId :

12-(0-2)

Tot Ion: 99 Resp: 2025407

Ion Ratio Lower Upper

99 100

42 20.0 14.9 22.3

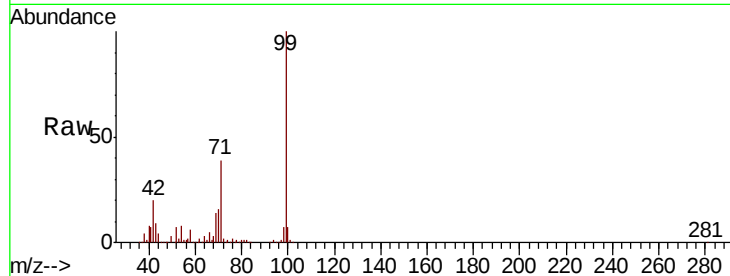
71 38.6 28.6 43.0

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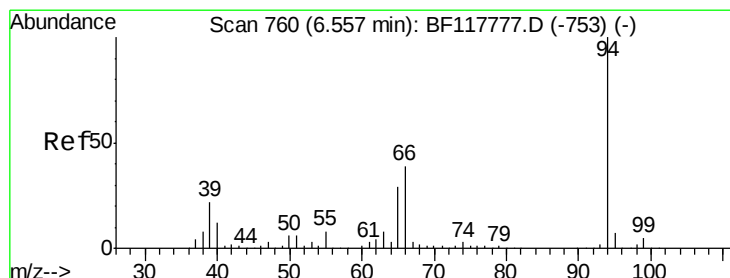
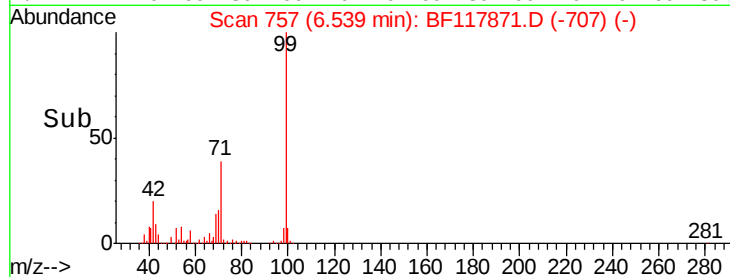
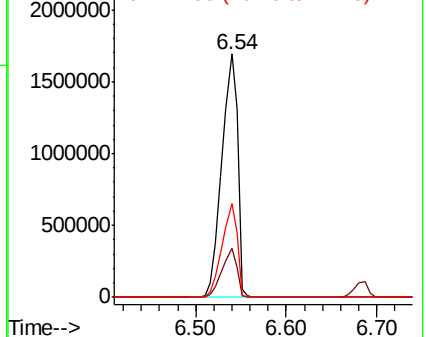
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.397 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117871.D

Acq: 19 Nov 2019 20:36

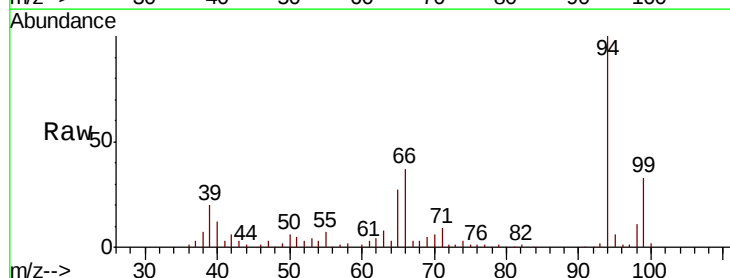
Tgt Ion: 94 Resp: 92774

Ion Ratio Lower Upper

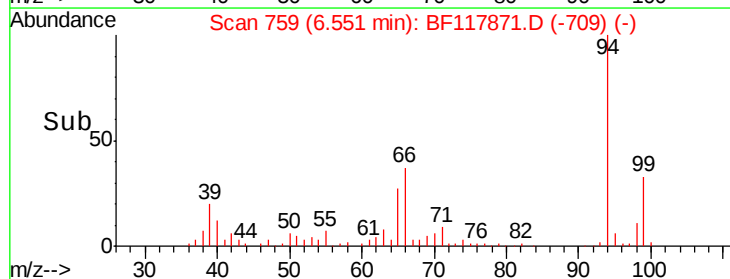
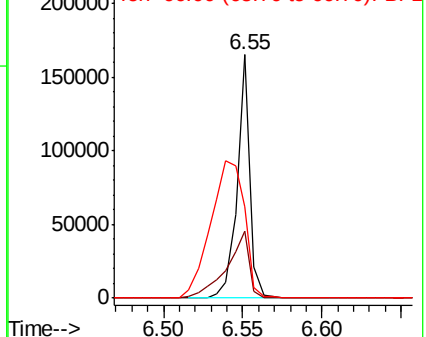
94 100

65 27.3 8.9 48.9

66 37.5 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





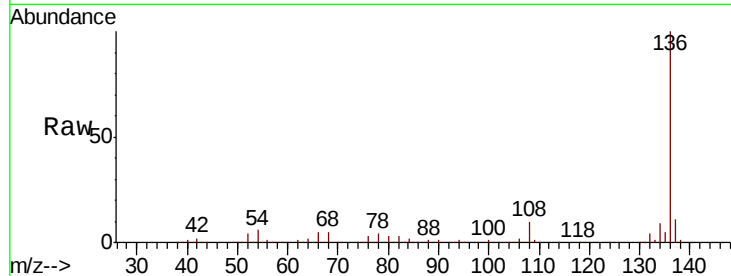
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Instrument :
BNA_F
ClientSampleId :
12-(0-2)

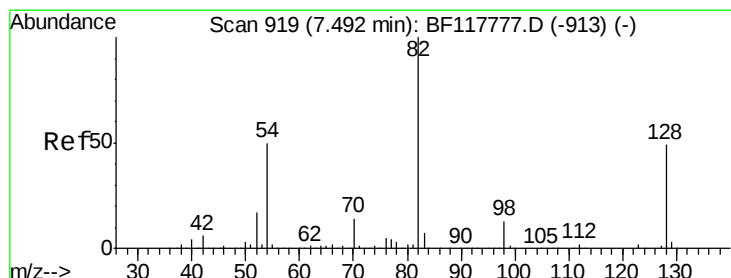
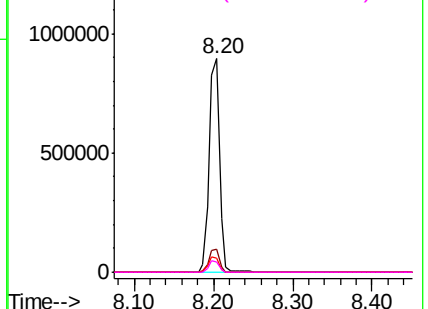
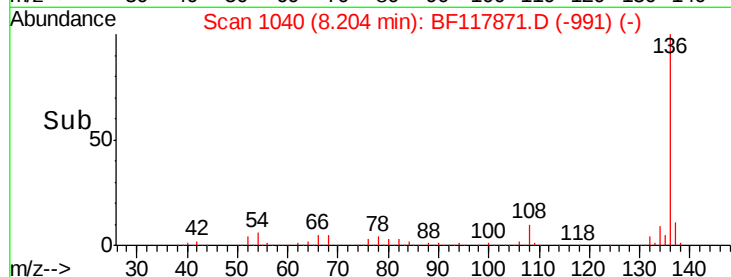
Tot Ion	Ratio	Resp	Lower	Upper
136	100	819870		
137	10.8		9.0	13.4
54	6.3		5.4	8.2
68	4.9		4.3	6.5

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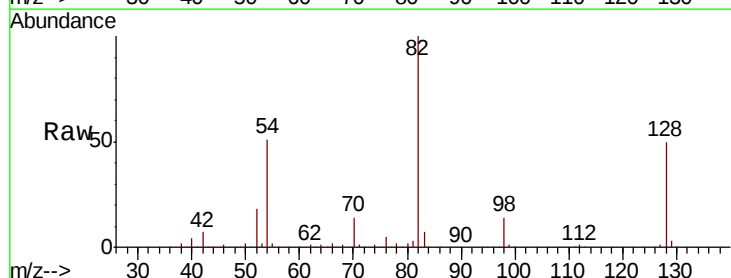


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

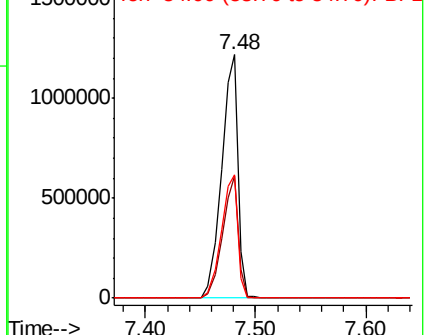
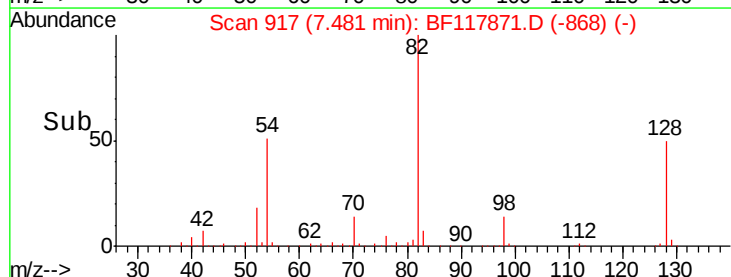


#23
Nitrobenzene-d5
Concen: 90.827 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1252677		
128	49.9		38.9	58.3
54	50.5		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





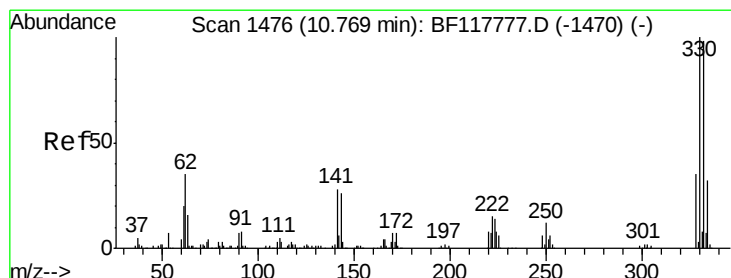
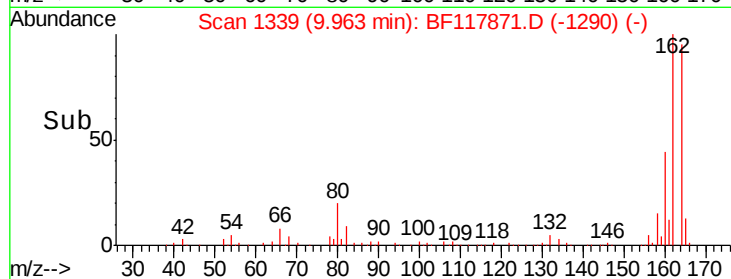
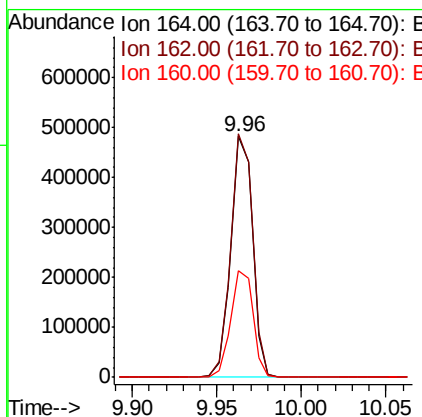
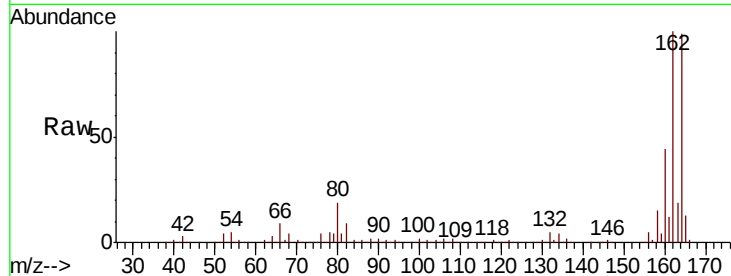
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Instrument :
BNA_F
ClientSampleId :
12-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.0	81.3	121.9	
160	44.5	36.6	55.0	

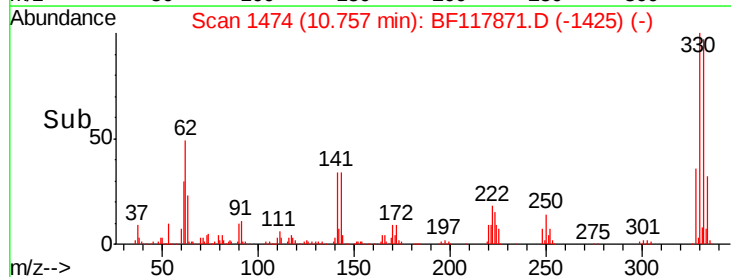
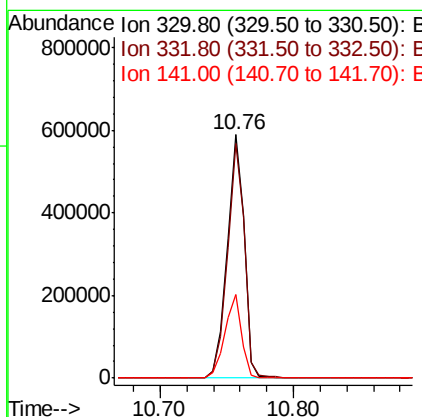
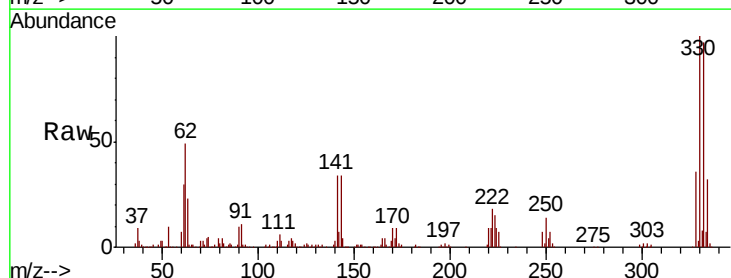
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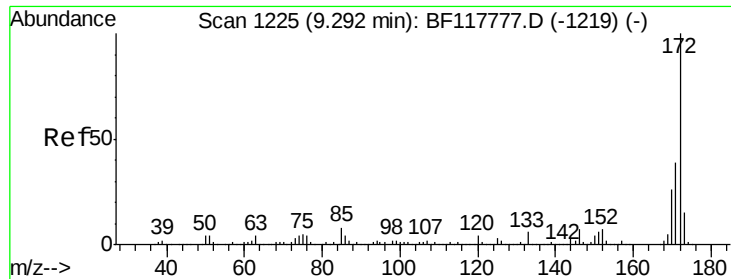
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#42
2,4,6-Tribromophenol
Concen: 116.913 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	76.7	115.1	
141	34.1	27.7	41.5	





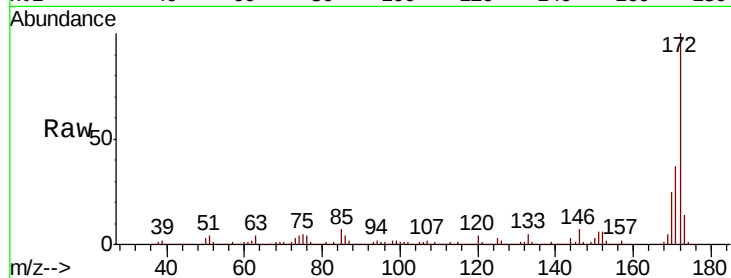
#45
2-Fluorobiphenyl
Concen: 92.179 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Instrument :
BNA_F
ClientSampleId :
12-(0-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.9	46.3
170	25.1	21.0	31.4

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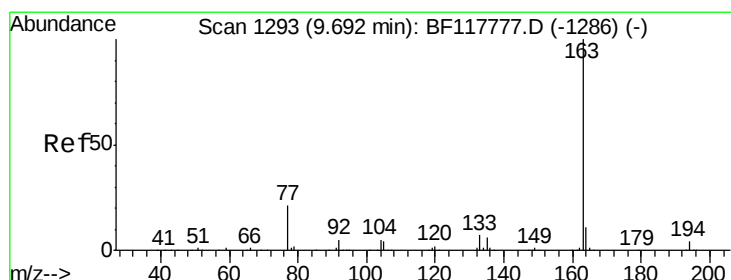
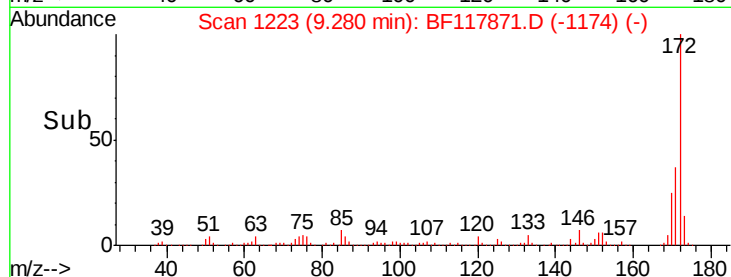
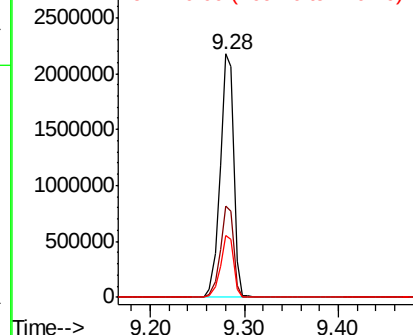


Abundance

Ion 172.00 (171.70 to 172.70): E

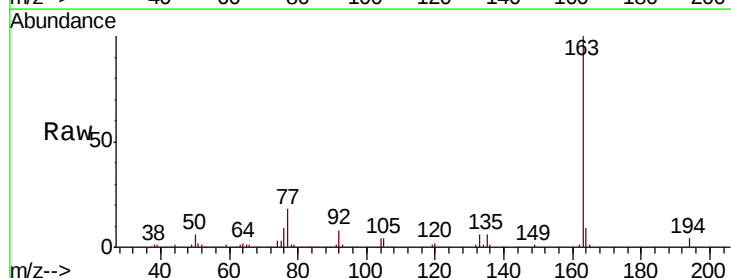
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.239 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.2	8.7	13.1

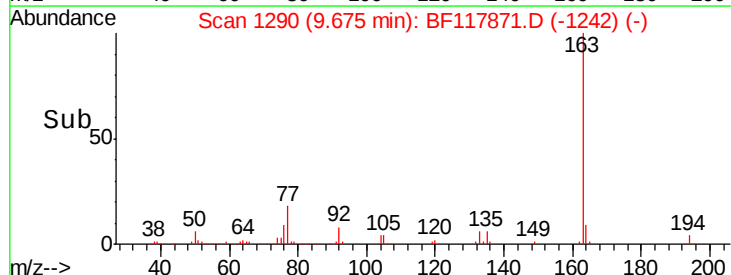
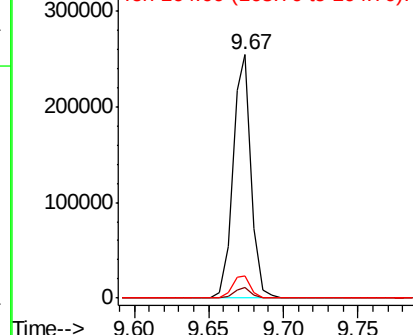


Abundance

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





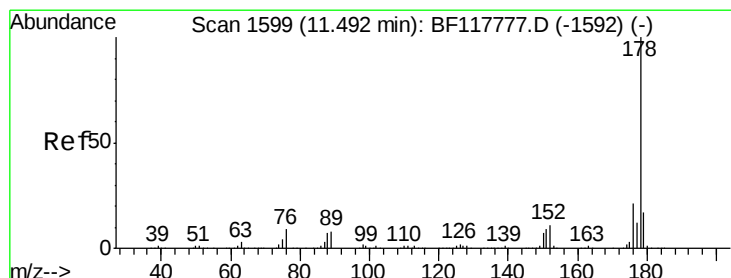
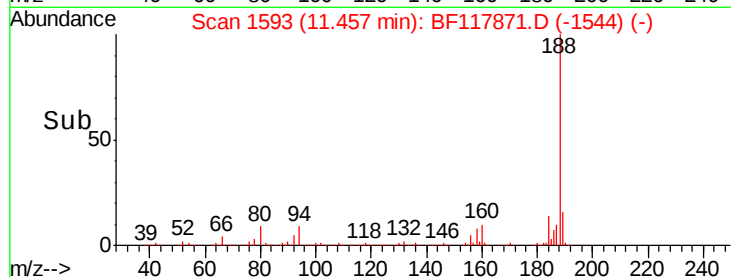
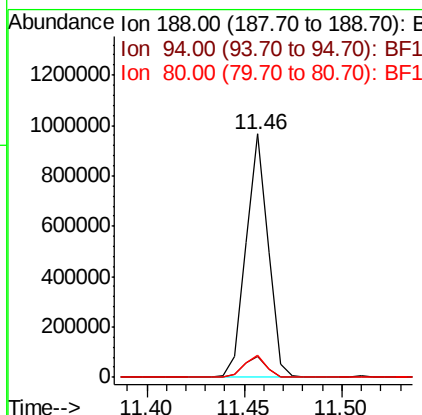
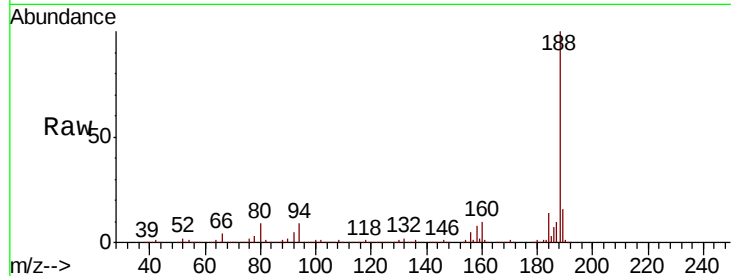
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Instrument :
BNA_F
ClientSampleId :
12-(0-2)

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.3	7.2	10.8

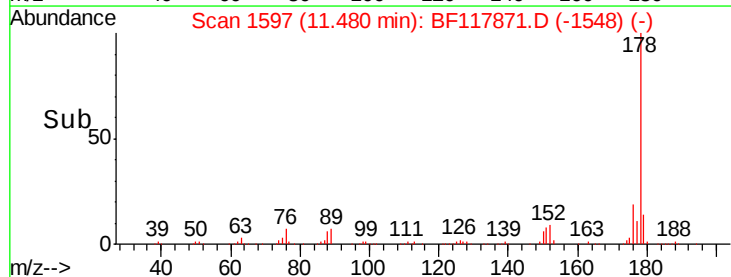
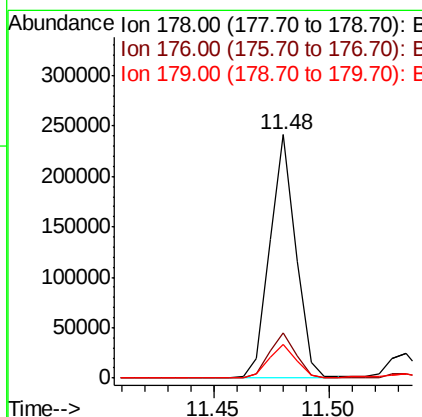
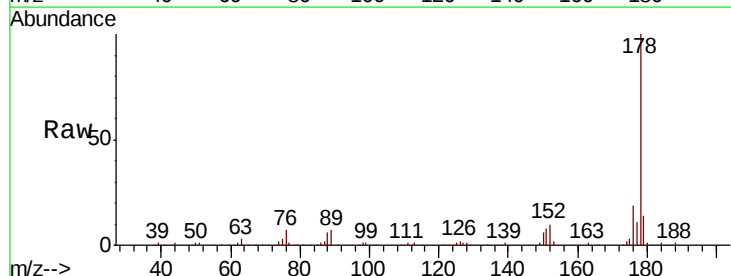
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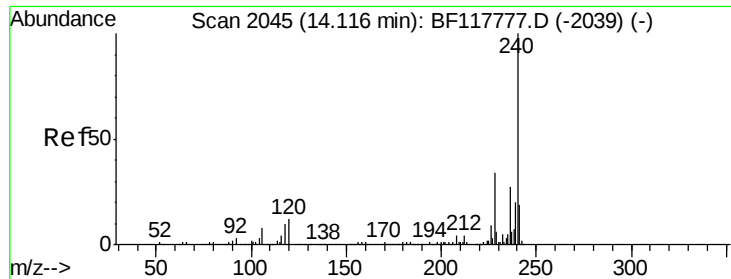
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#71
Phenanthrene
Concen: 4.955 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.6	25.0
179	14.0	13.2	19.8





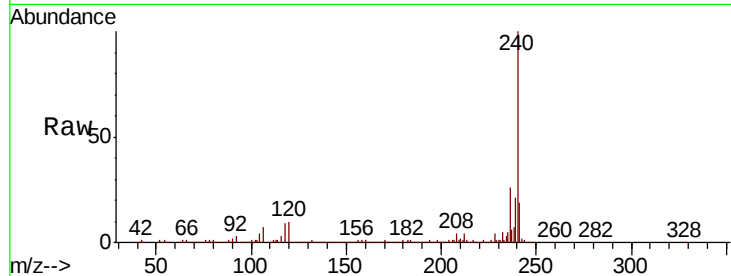
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Instrument :
BNA_F
ClientSampleId :
12-(0-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.5	14.3
236	25.8	21.3	31.9

Manual Integrations
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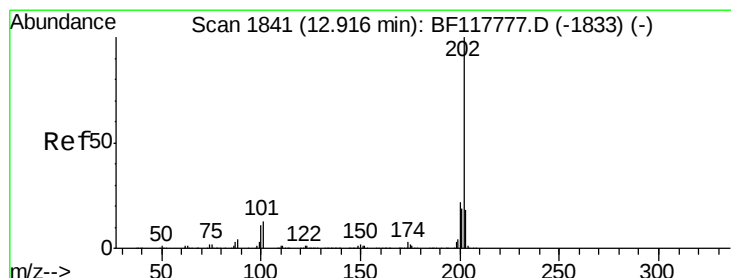
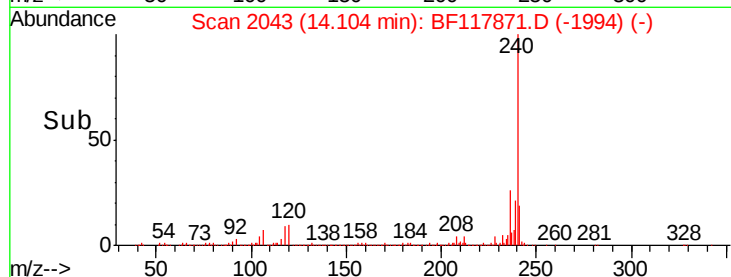
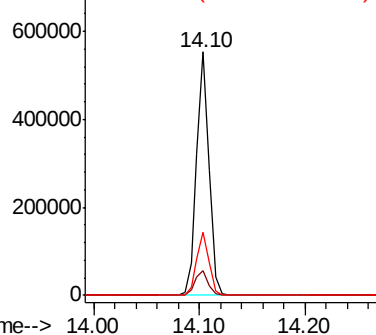


Abundance

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: 7.059 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

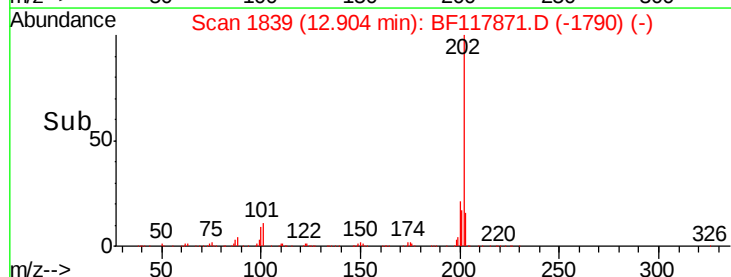
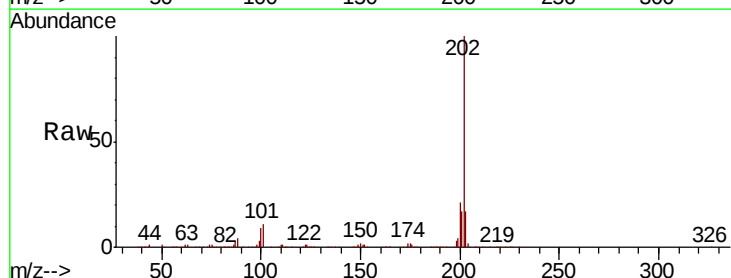
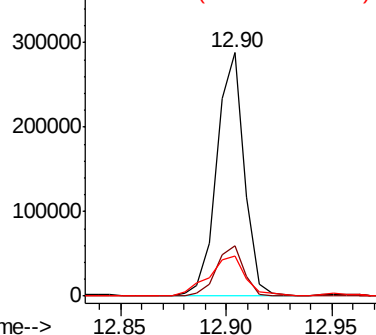
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.8	26.8
203	16.6	14.6	22.0

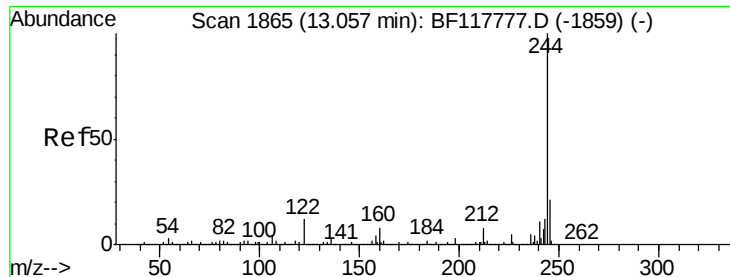
Abundance

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





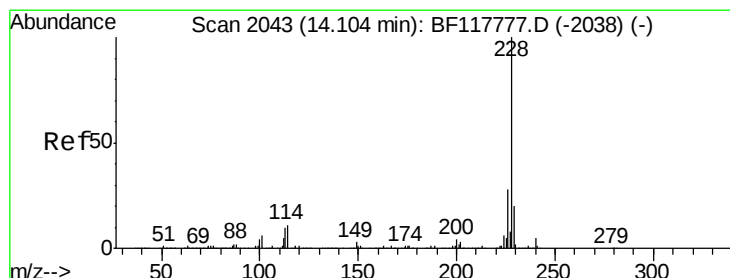
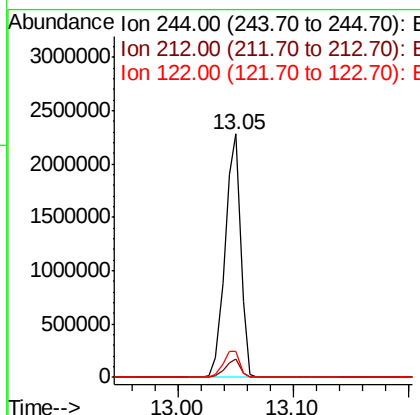
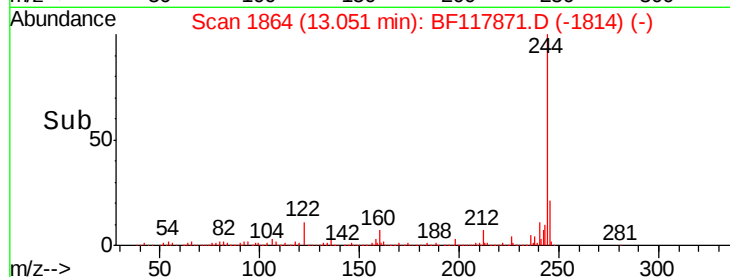
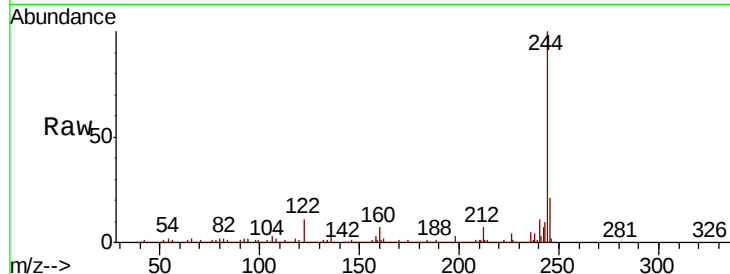
#79
 Terphenyl-d14
 Concen: 85.216 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF117871.D
 Acq: 19 Nov 2019 20:36

Instrument :
 BNA_F
 ClientSampleId :
 12-(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.3	9.5
122	10.5	9.4	14.2

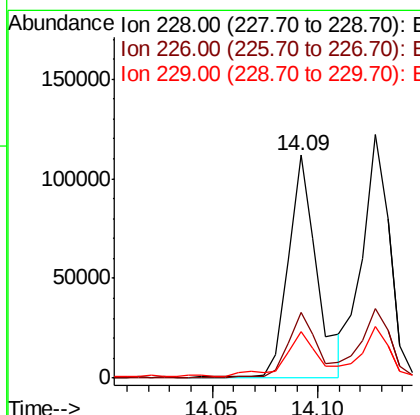
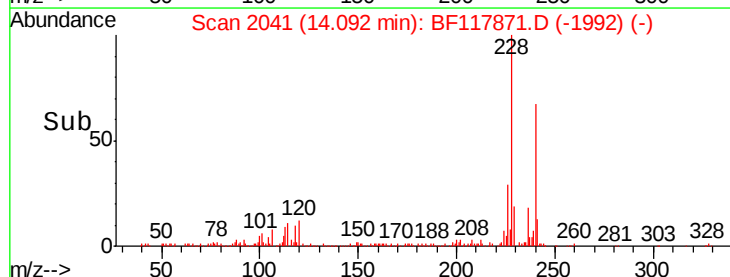
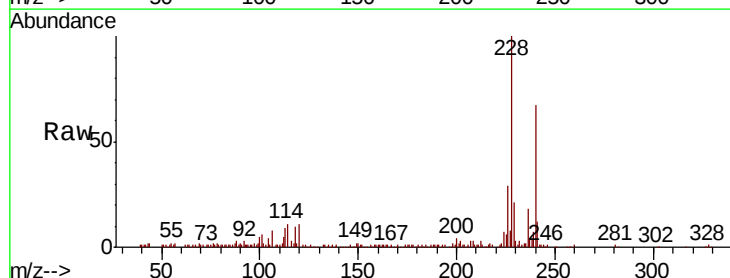
Manual Integrations
 APPROVED

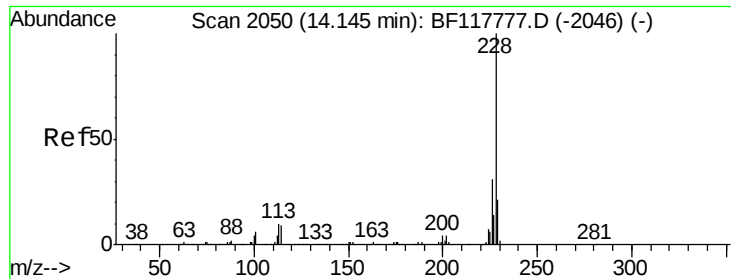
mohammad
 11/20/2019 1:49:33 PM



#81
 Benzo(a)anthracene
 Concen: 3.471 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: BF117871.D
 Acq: 19 Nov 2019 20:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.2	33.2
229	20.6	15.9	23.9





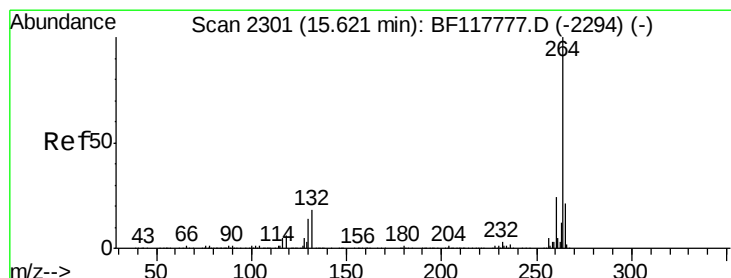
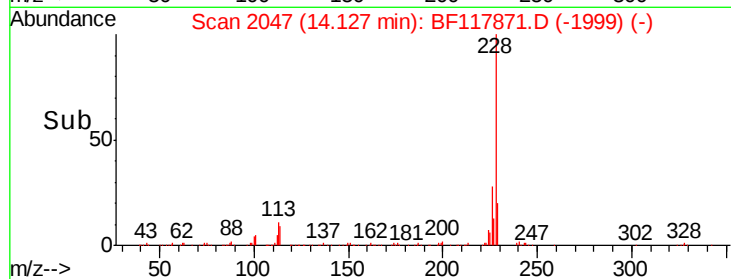
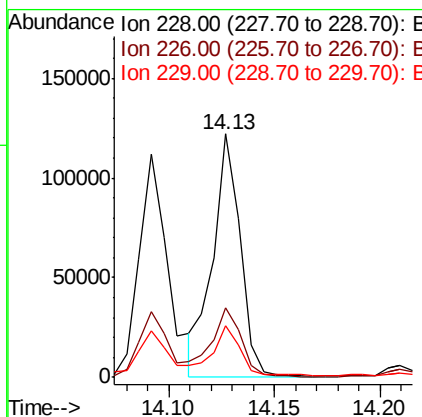
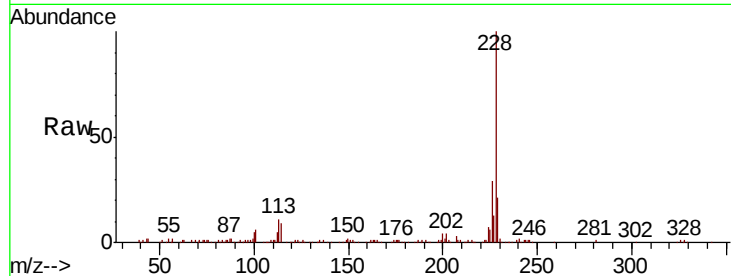
#83
Chrysene
Concen: 3.778 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Instrument :
BNA_F
ClientSampleId :
12-(0-2)

Tot Ion:	228	Resp:	110331
Ion Ratio	Lower	Upper	
228	100		
226	28.8	25.0	37.4
229	21.1	16.6	25.0

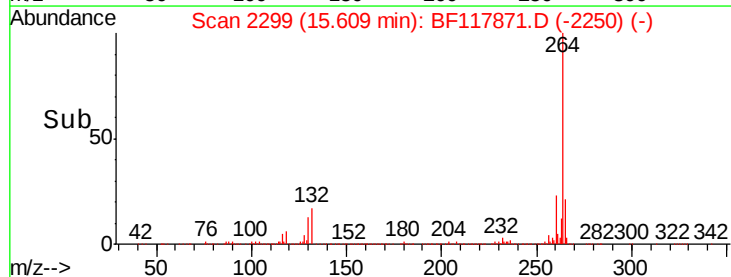
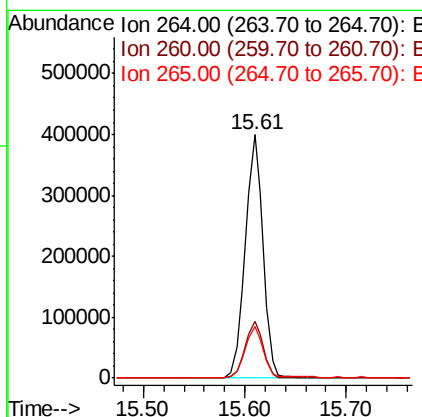
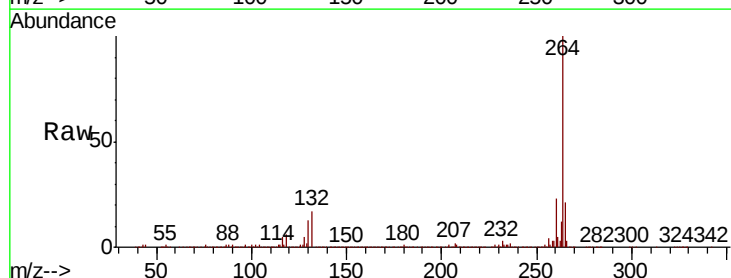
Manual Integrations
APPROVED

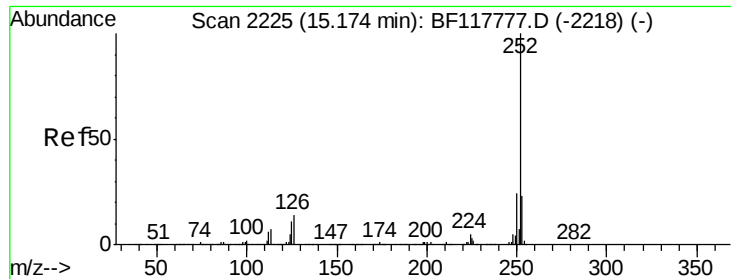
mohammad
11/20/2019 1:49:33 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Tgt Ion:	264	Resp:	486715
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.4	29.0
265	21.1	17.1	25.7





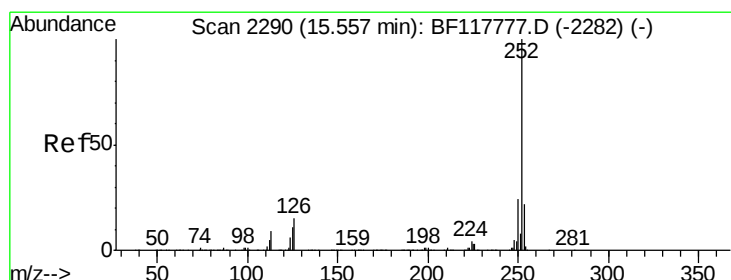
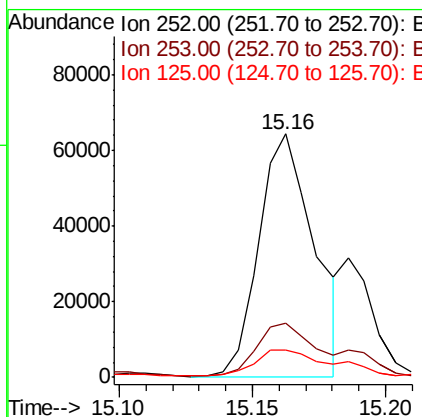
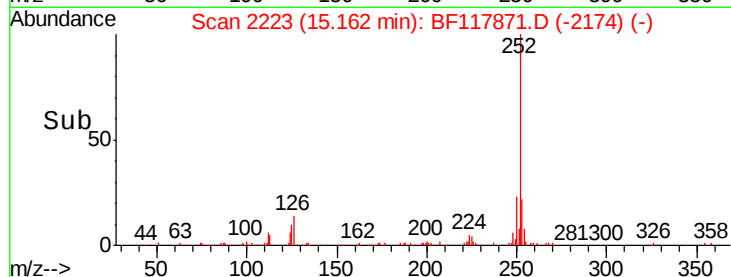
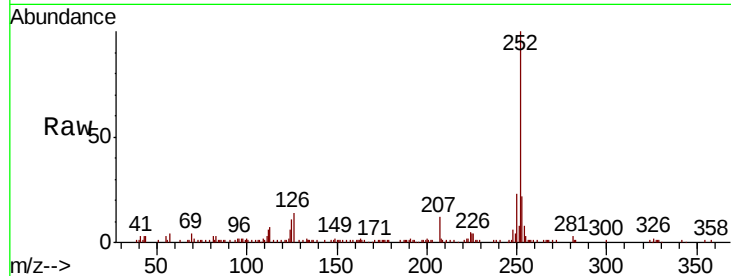
#88
Benzo(b)fluoranthene
Concen: 2.952 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Instrument :
BNA_F
ClientSampleId :
12-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	11.4	8.6	13.0

Manual Integrations
APPROVED

mohammad
11/20/2019 1:49:33 PM



#90
Benzo(a)pyrene
Concen: 2.249 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.02 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	12.1	9.2	13.8

