

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118052.D
 Acq On : 27 Nov 2019 20:28
 Operator : JU
 Sample : K5977-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WS-112119-2-5-COMP-B5

Manual Integrations
 APPROVED

mohammad
 11/29/2019 8:53:55 AM

Quant Time: Nov 28 01:23:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	146465	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	568755	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	287945	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	466877	20.00	ng	0.00
76) Chrysene-d12	14.08	240	307842	20.00	ng	0.00
87) Perylene-d12	15.58	264	316765	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	733670	88.67	ng	0.00
7) Phenol-d6	6.51	99	934246	93.61	ng	-0.01
23) Nitrobenzene-d5	7.45	82	564692	59.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.73	330	256441	84.12	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1107804	69.02	ng	-0.01
79) Terphenyl-d14	13.02	244	966234	57.36	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	9.65	163	234619	11.619	ng	98
71) Phenanthrene	11.45	178	171425	7.303	ng	96
78) Pyrene	12.87	202	174606	7.018	ng	99
81) Benzo(a)anthracene	14.07	228	87770	4.315	ng	98
83) Chrysene	14.10	228	74600	3.784	ng	97
88) Benzo(b)fluoranthene	15.14	252	99874m	4.853	ng	
90) Benzo(a)pyrene	15.52	252	65383	3.613	ng	98
92) Benzo(g,h,i)perylene	17.55	276	32438	2.091	ng	98

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

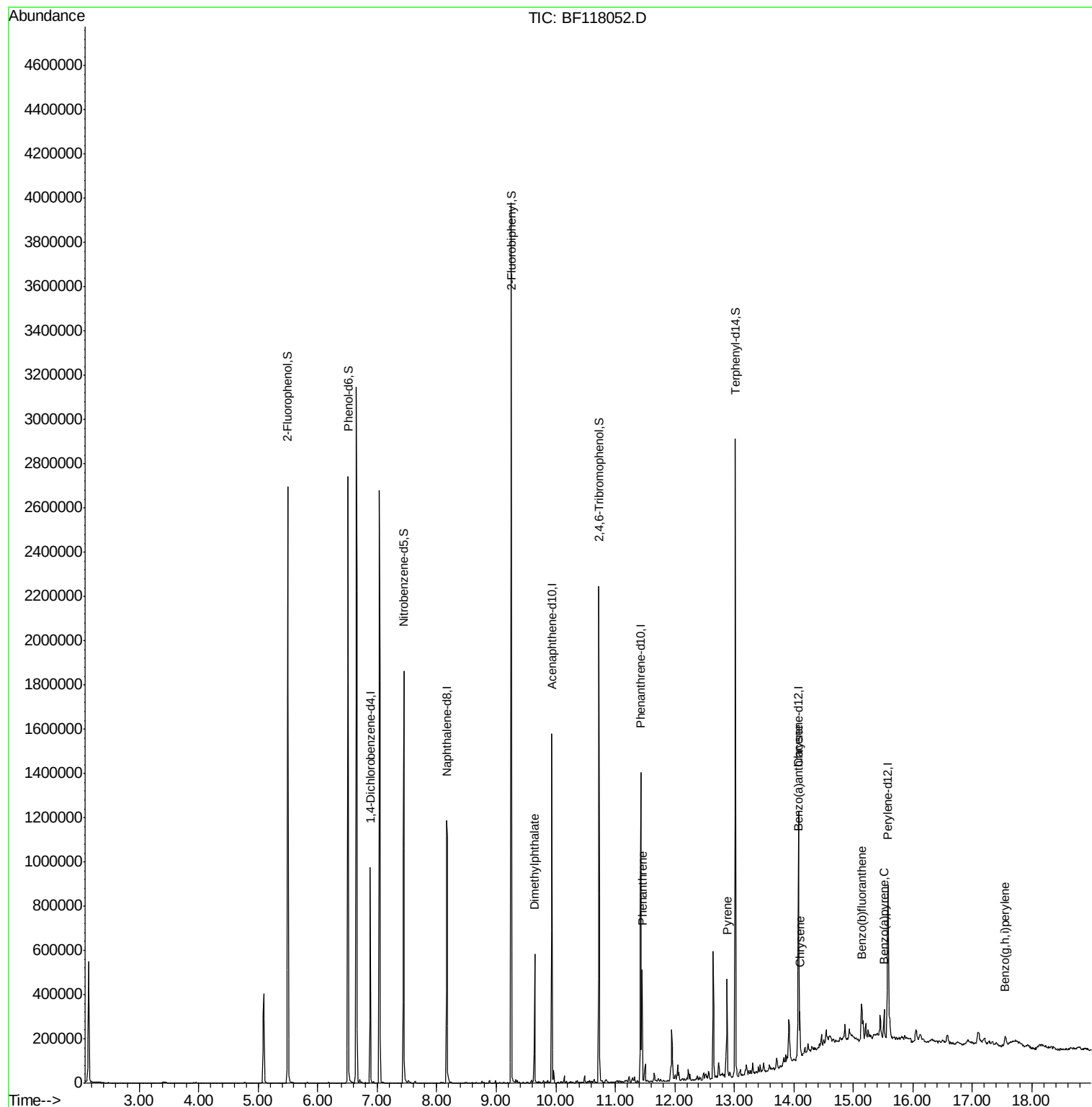
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
Data File : BF118052.D
Acq On : 27 Nov 2019 20:28
Operator : JU
Sample : K5977-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

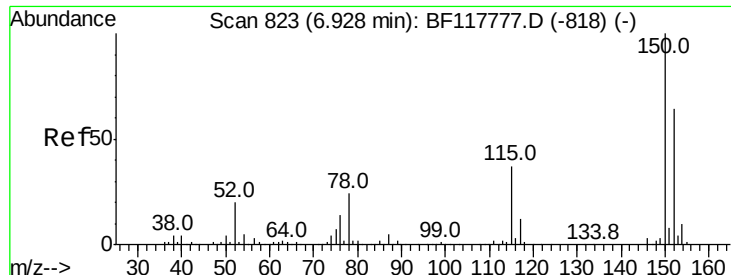
Instrument :
BNA_F
ClientSampleId :
WS-112119-2-5-COMP-B5

Manual Integrations
APPROVED

mohammad
11/29/2019 8:53:55 AM

Quant Time: Nov 28 01:23:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:38:20 2019
Response via : Initial Calibration





#1

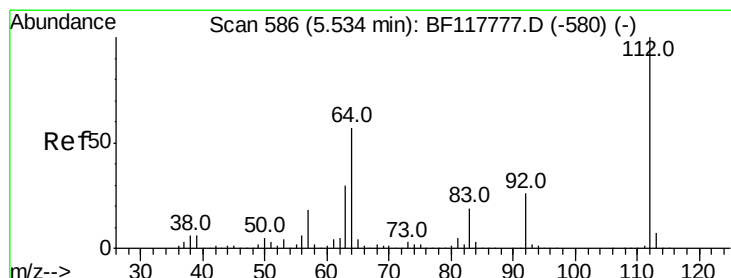
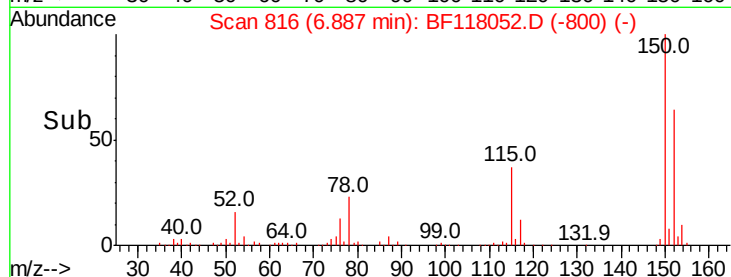
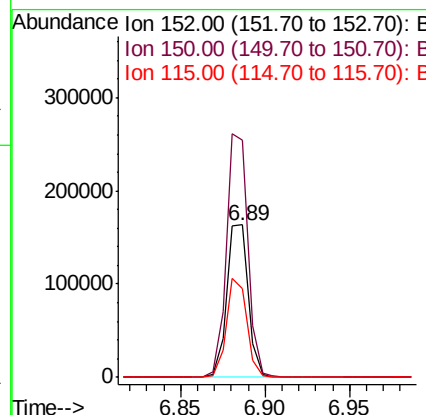
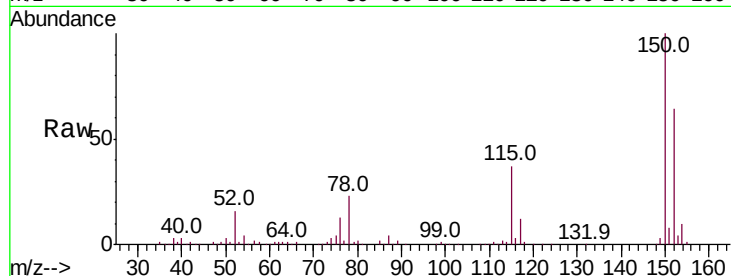
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Instrument :
BNA_F
ClientSampleId :
WS-112119-2-5-COMP-B5

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.3	187.9
115	57.9	47.0	70.4

Manual Integrations
APPROVED

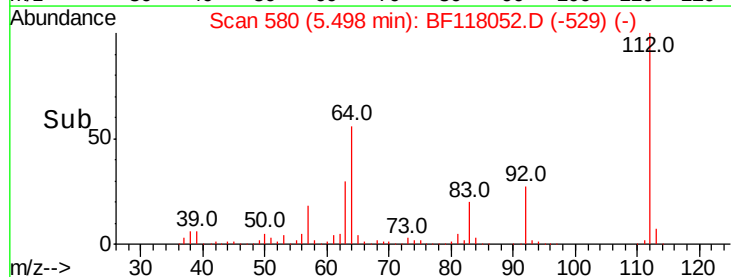
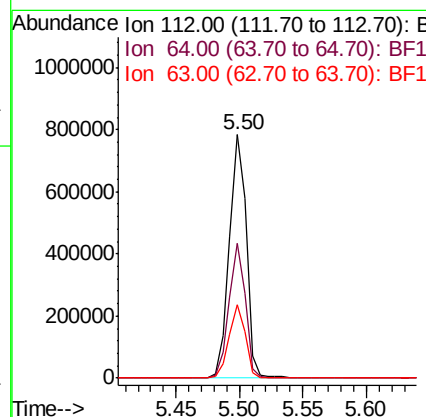
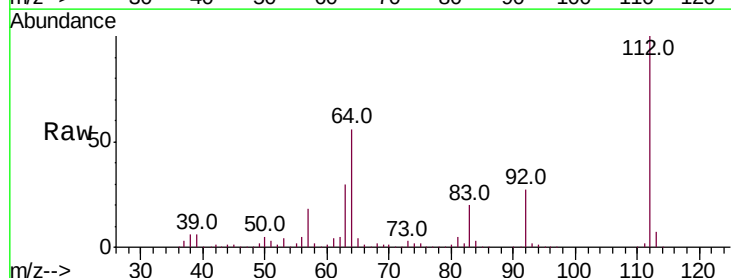
mohammad
11/29/2019 8:53:55 AM

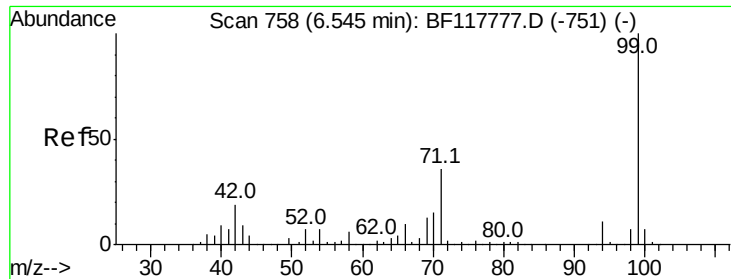


#5

2-Fluorophenol
Concen: 88.668 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	45.6	68.4
63	30.4	24.1	36.1





#7

Phenol-d6

Concen: 93.610 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118052.D

Acq: 27 Nov 2019 20:28

Instrument :

BNA_F

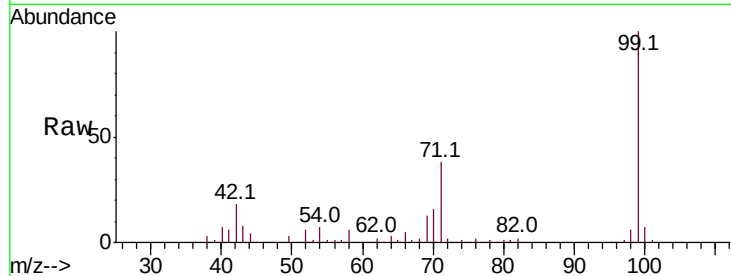
ClientSampleId :

WS-112119-2-5-COMP-B5

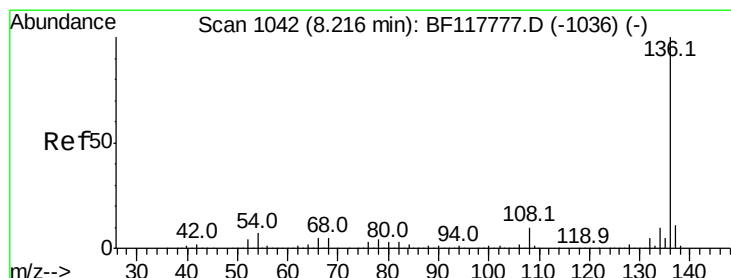
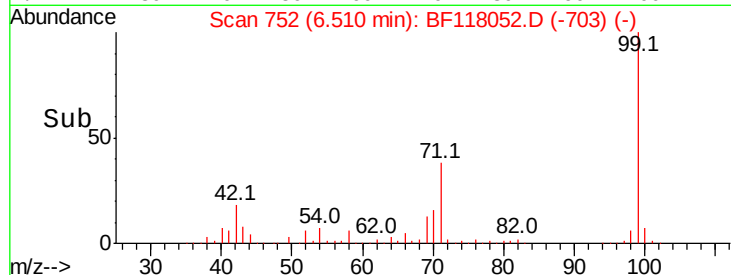
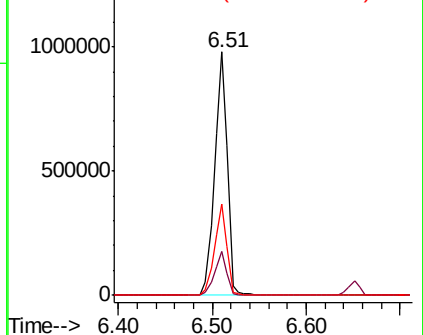
Tot Ion:	99	Resp:	934246
Ion Ratio	Lower	Upper	
99	100		
42	18.1	14.9	22.3
71	37.6	28.6	43.0

Manual Integrations
APPROVED

mohammad
11/29/2019 8:53:55 AM



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

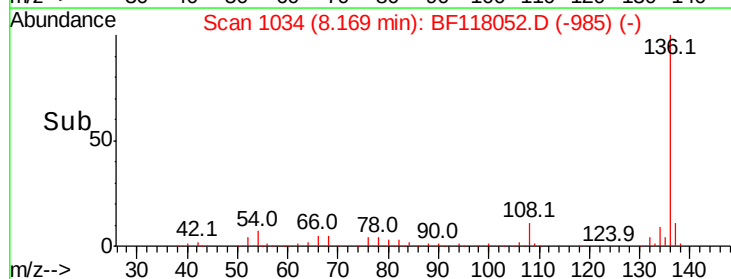
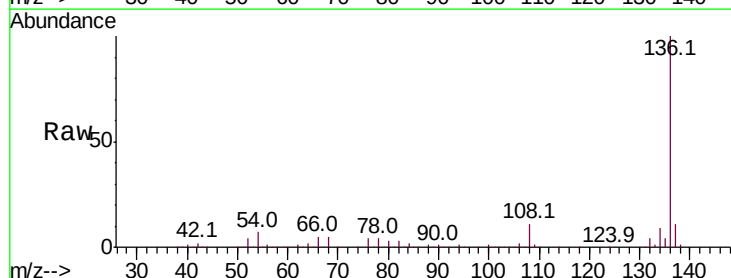
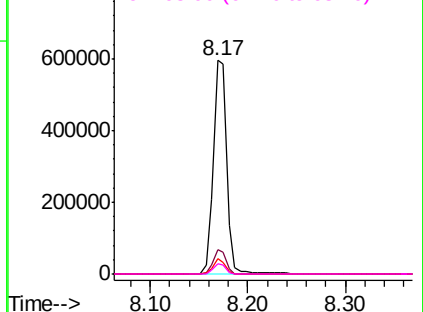
Delta R.T. -0.01 min

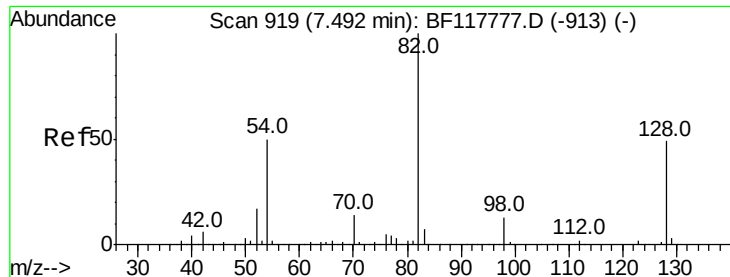
Lab File: BF118052.D

Acq: 27 Nov 2019 20:28

Tgt Ion:	136	Resp:	568755
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.0	13.4
54	7.0	5.4	8.2
68	5.1	4.3	6.5

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





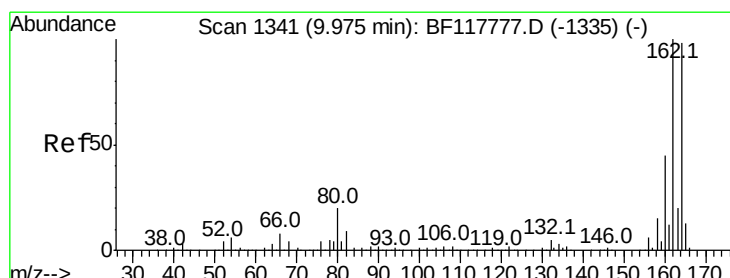
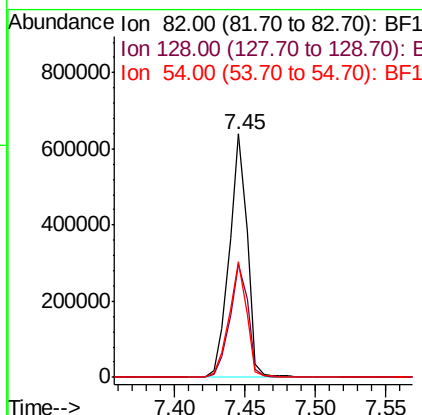
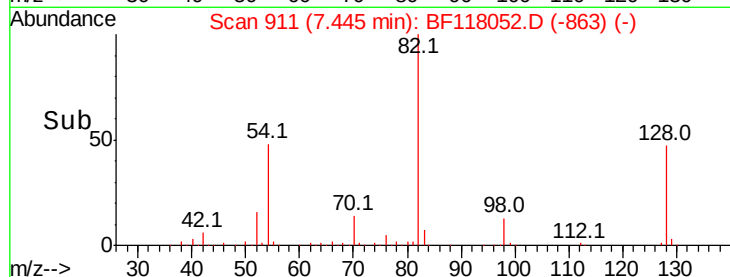
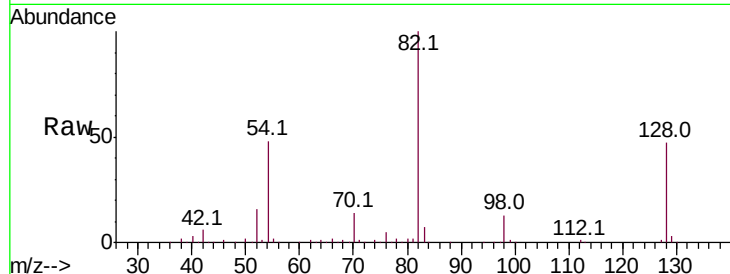
#23
Nitrobenzene-d5
Concen: 59.021 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Instrument :
BNA_F
ClientSampleId :
WS-112119-2-5-COMP-B5

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	38.9	58.3
54	47.7	39.8	59.6

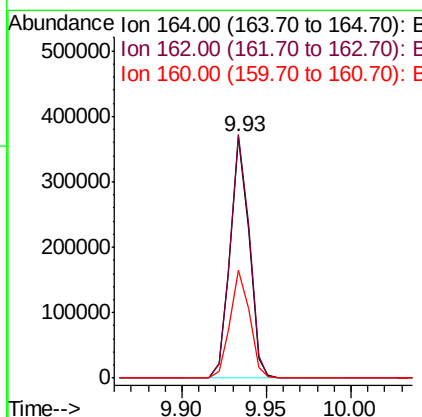
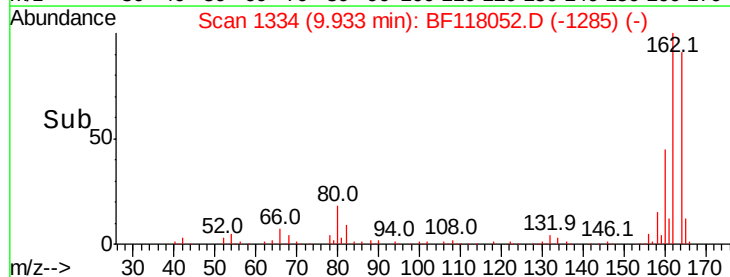
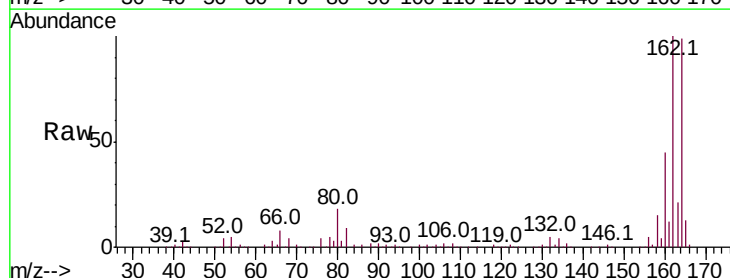
Manual Integrations
APPROVED

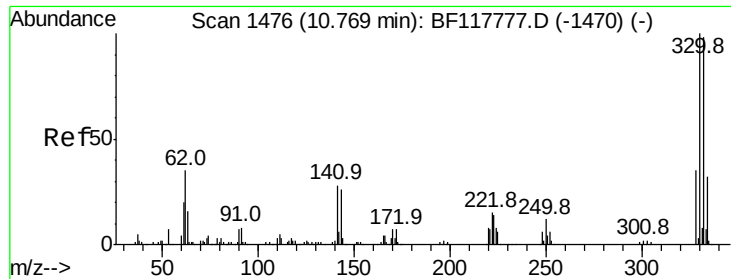
mohammad
11/29/2019 8:53:55 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.3	121.9
160	45.0	36.6	55.0





#42

2,4,6-Tribromophenol

Concen: 84.122 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.01 min

Lab File: BF118052.D

Acq: 27 Nov 2019 20:28

Instrument :

BNA_F

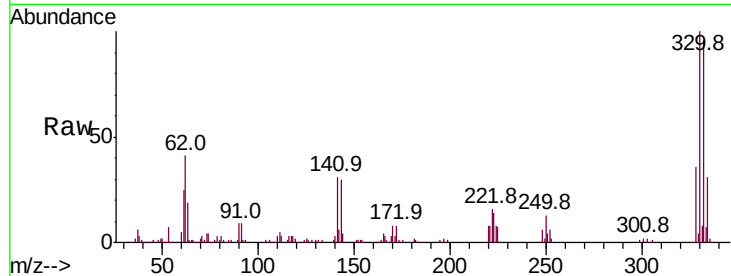
ClientSampleId :

WS-112119-2-5-COMP-B5

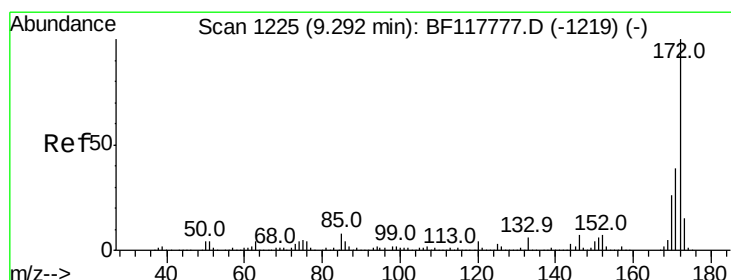
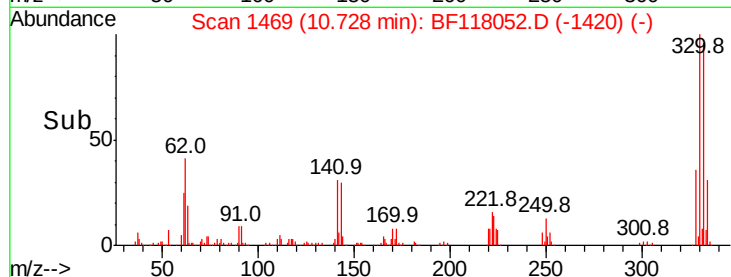
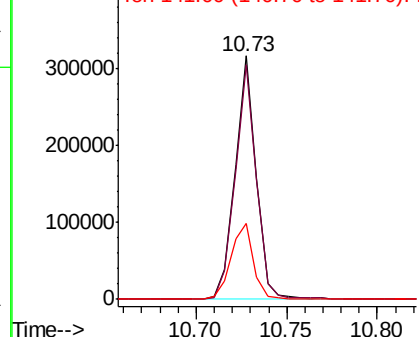
Tot Ion:	330	Resp:	256441
Ion Ratio	Lower	Upper	
330	100		
332	97.4	76.7	115.1
141	33.3	27.7	41.5

Manual Integrations
APPROVED

mohammad
11/29/2019 8:53:55 AM



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: 69.021 ng

RT: 9.25 min Scan# 1218

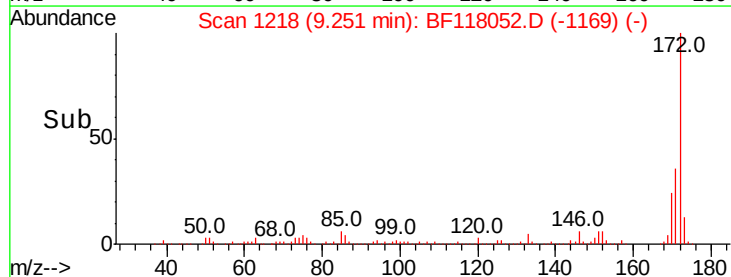
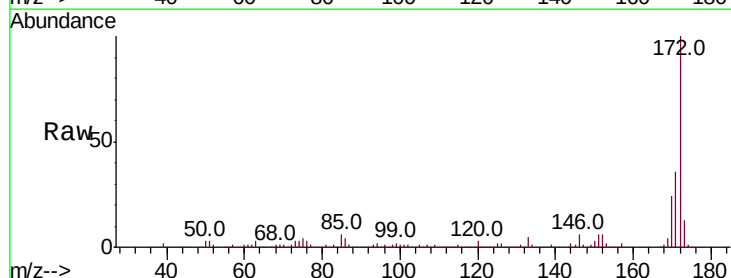
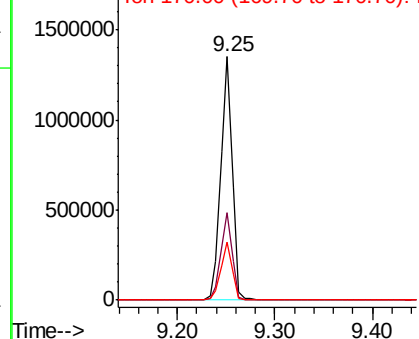
Delta R.T. -0.01 min

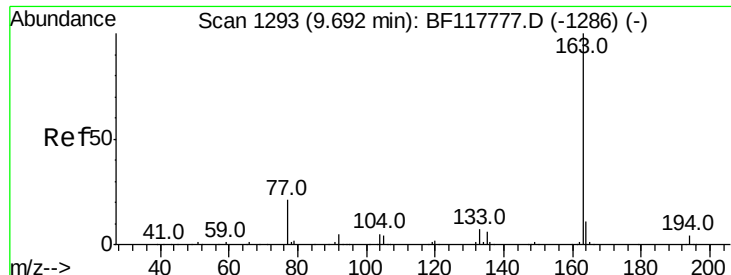
Lab File: BF118052.D

Acq: 27 Nov 2019 20:28

Tgt Ion:	172	Resp:	1107804
Ion Ratio	Lower	Upper	
172	100		
171	35.7	30.9	46.3
170	23.9	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





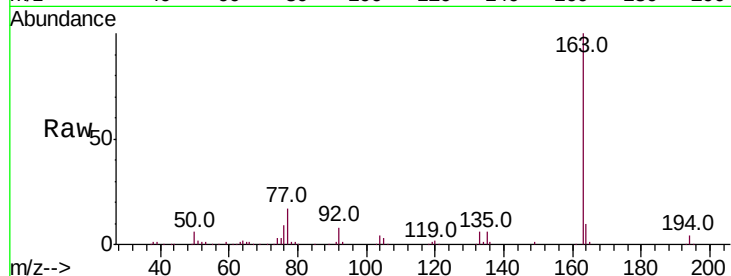
#50
Dimethylphthalate
Concen: 11.619 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Instrument :
BNA_F
ClientSampleId :
WS-112119-2-5-COMP-B5

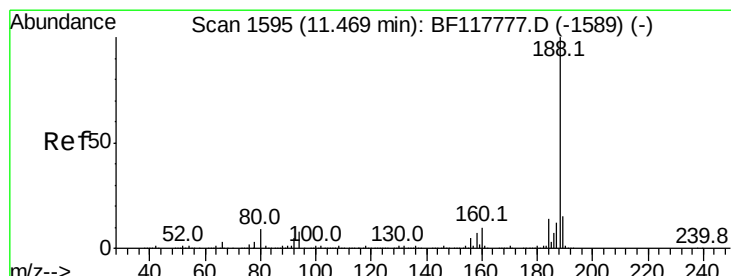
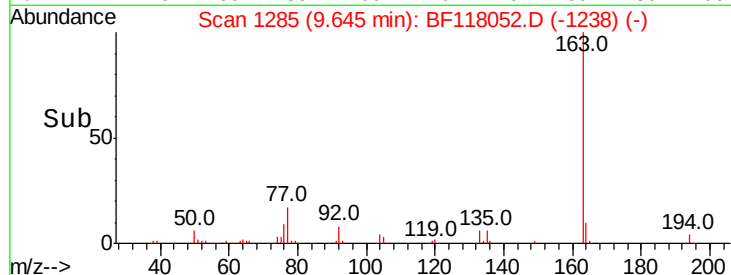
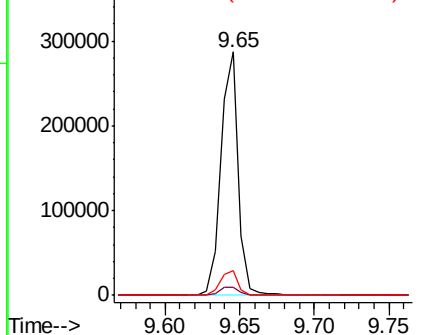
Tot Ion	Ratio	Resp	Lower	Upper
163	100	234619		
194	3.6		3.3	4.9
164	10.2		8.7	13.1

Manual Integrations
APPROVED

mohammad
11/29/2019 8:53:55 AM

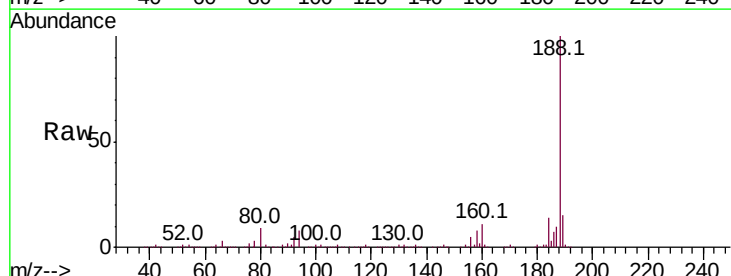


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

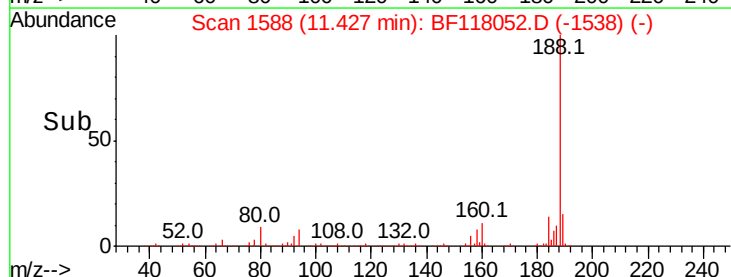
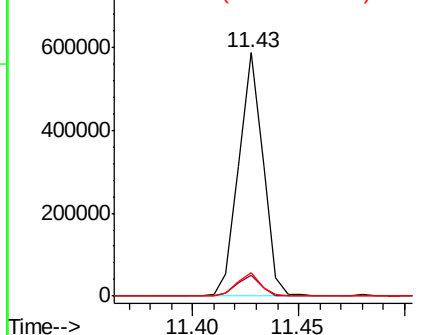


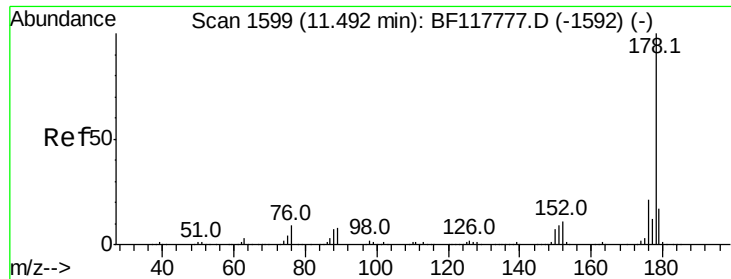
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	466877		
94	8.5		6.6	10.0
80	9.4		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





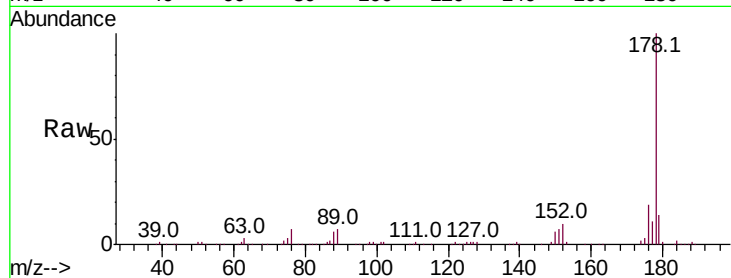
#71
Phenanthrene
Concen: 7.303 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Instrument :
BNA_F
ClientSampleId :
WS-112119-2-5-COMP-B5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.6	25.0
179	14.4	13.2	19.8

Manual Integrations
APPROVED

mohammad
11/29/2019 8:53:55 AM

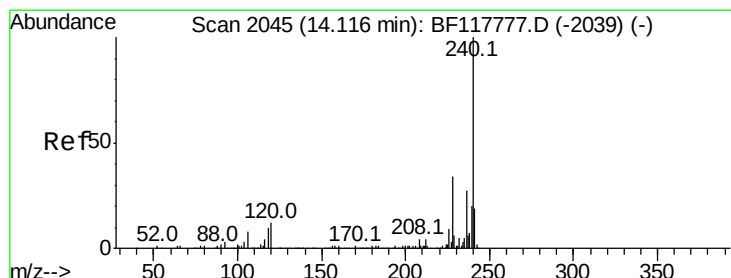
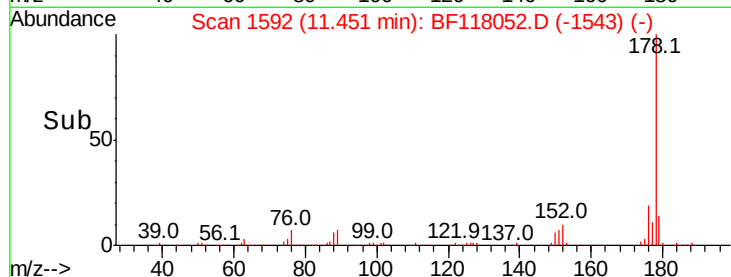
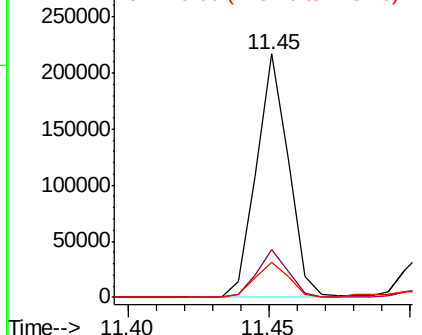


Abundance

Ion 178.00 (177.70 to 178.70): E

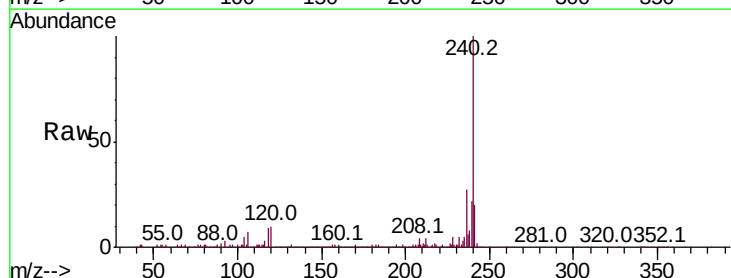
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.5	14.3
236	26.7	21.3	31.9

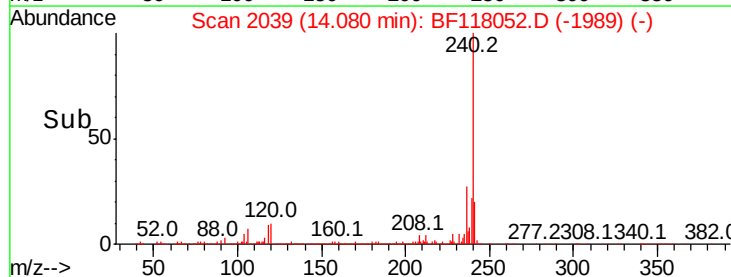
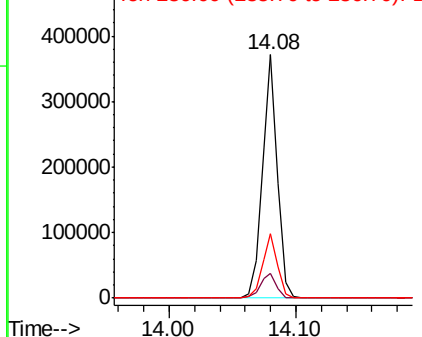


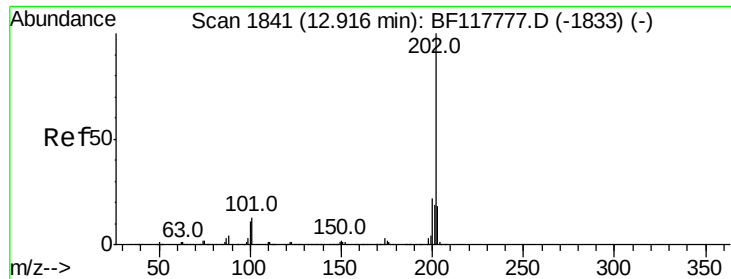
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





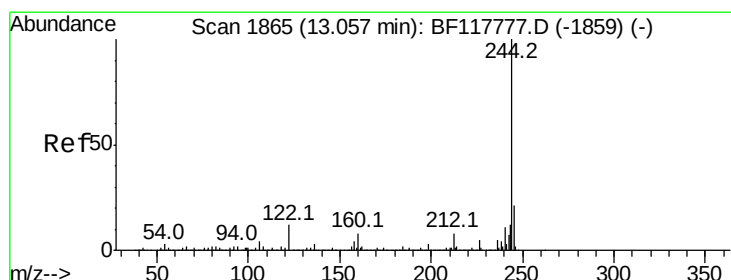
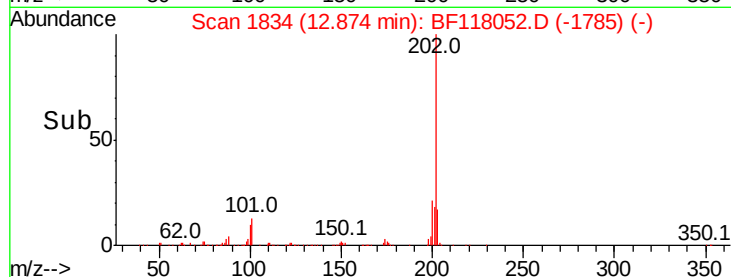
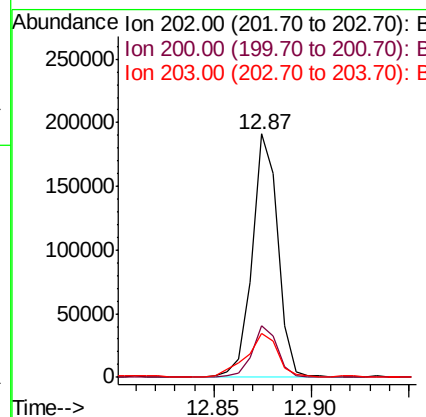
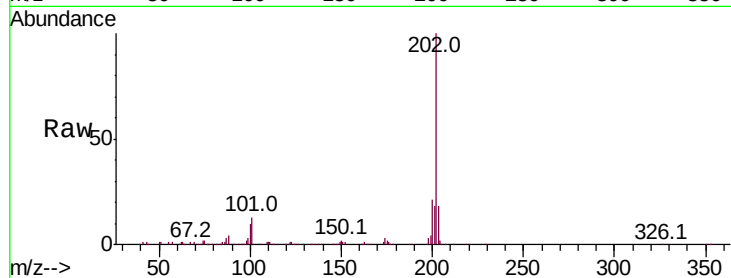
#78
Pvrene
Concen: 7.018 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Instrument :
BNA_F
ClientSampleId :
WS-112119-2-5-COMP-B5

Tot Ion	Ratio	Resp	Lower	Upper
202	100	174606		
200	21.4		17.8	26.8
203	17.8		14.6	22.0

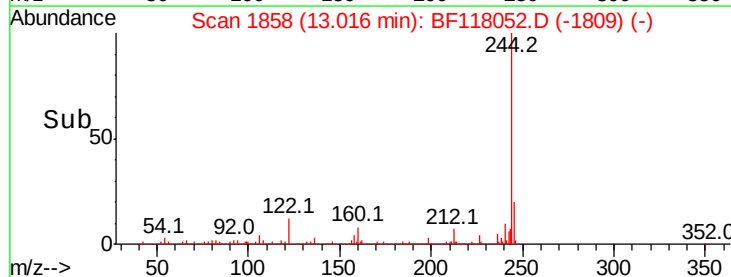
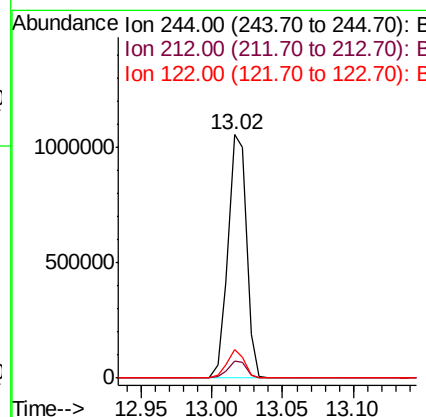
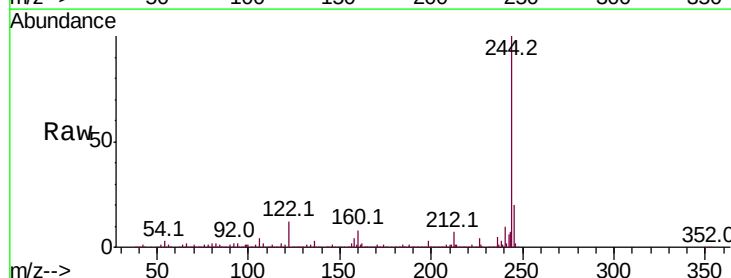
Manual Integrations
APPROVED

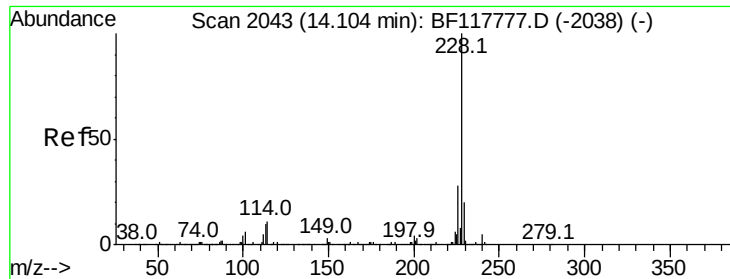
mohammad
11/29/2019 8:53:55 AM



#79
Terphenyl-d14
Concen: 57.364 ng
RT: 13.02 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	966234		
212	7.1		6.3	9.5
122	11.9		9.4	14.2





#81

Benzo(a)anthracene

Concen: 4.315 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118052.D

Acq: 27 Nov 2019 20:28

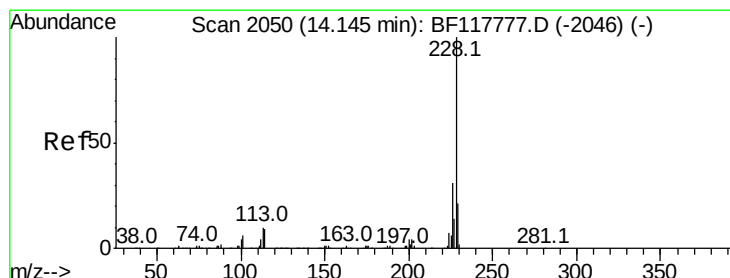
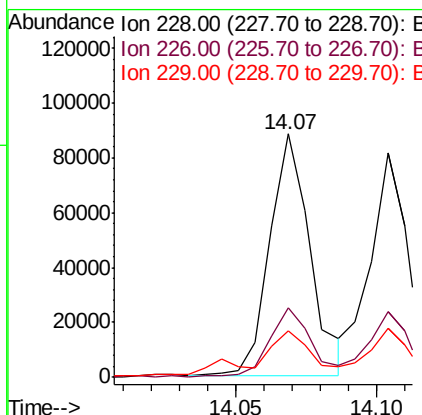
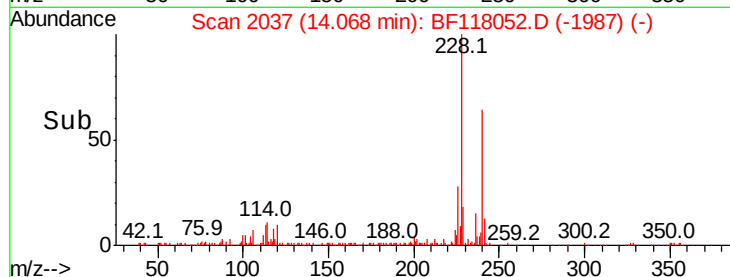
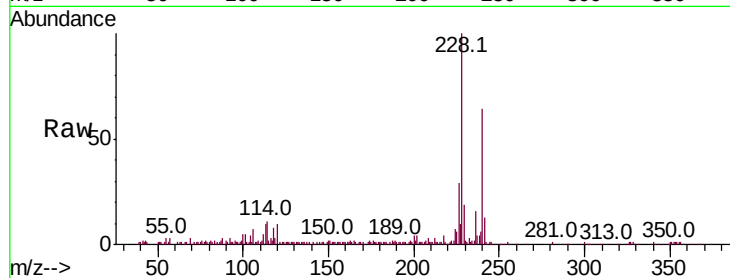
Instrument :
BNA_F

ClientSampleId :
WS-112119-2-5-COMP-B5

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.2	33.2
229	19.0	15.9	23.9

Manual Integrations
APPROVED

mohammad
11/29/2019 8:53:55 AM



#83

Chrysene

Concen: 3.784 ng

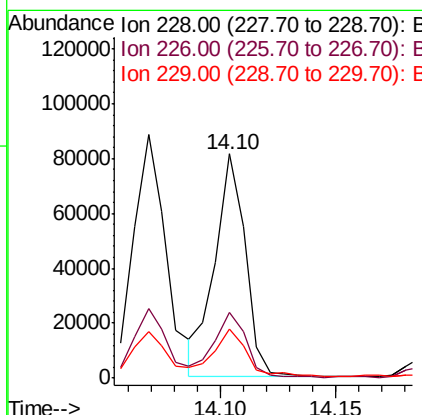
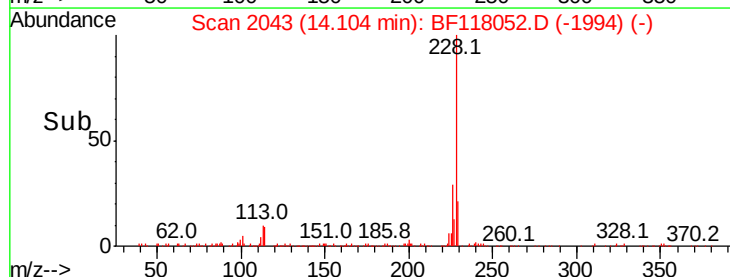
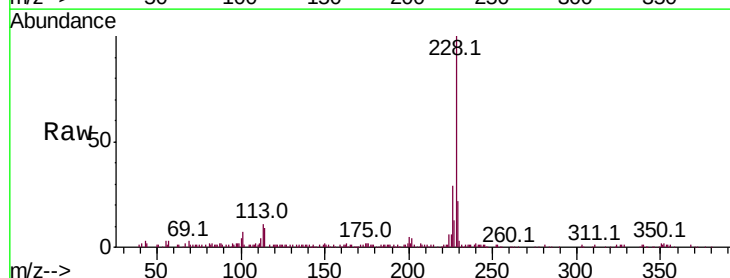
RT: 14.10 min Scan# 2043

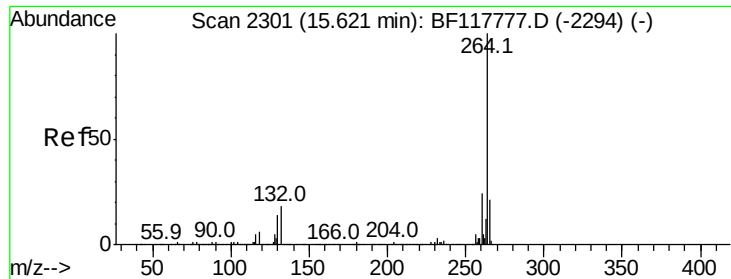
Delta R.T. -0.01 min

Lab File: BF118052.D

Acq: 27 Nov 2019 20:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.4
229	22.0	16.6	25.0





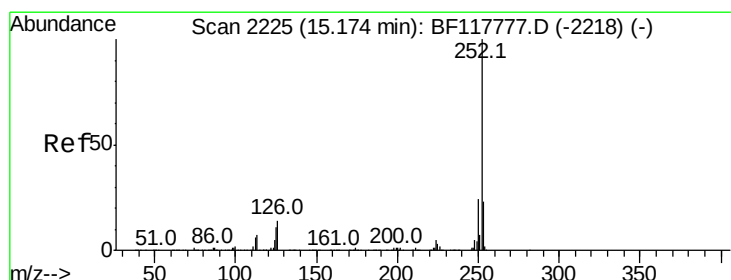
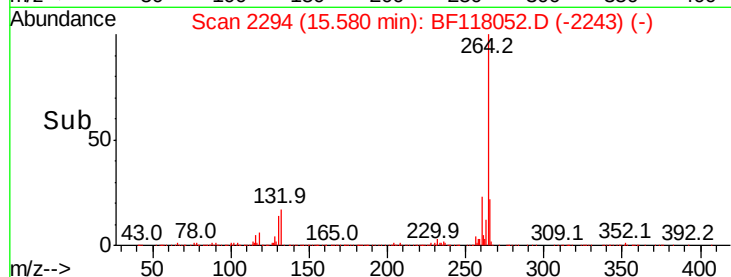
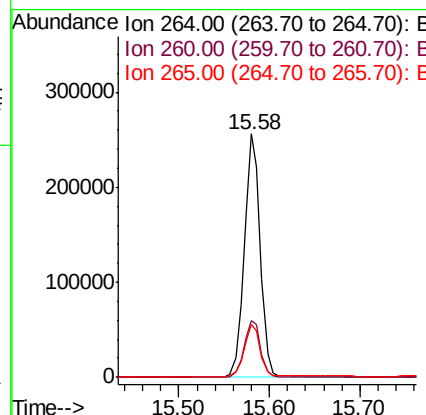
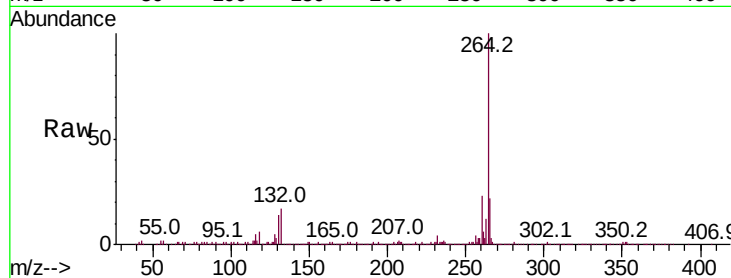
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.00 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Instrument :
BNA_F
ClientSampleId :
WS-112119-2-5-COMP-B5

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.0
265	21.9	17.1	25.7

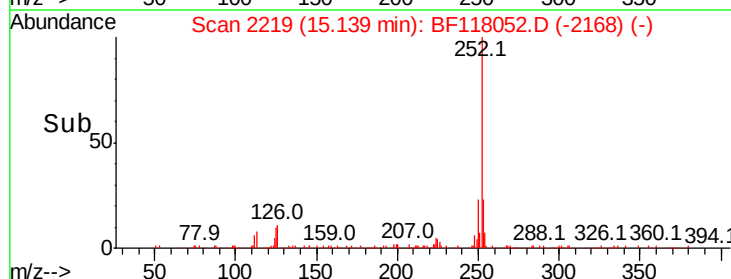
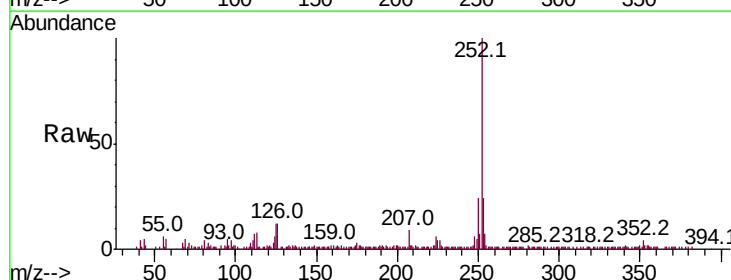
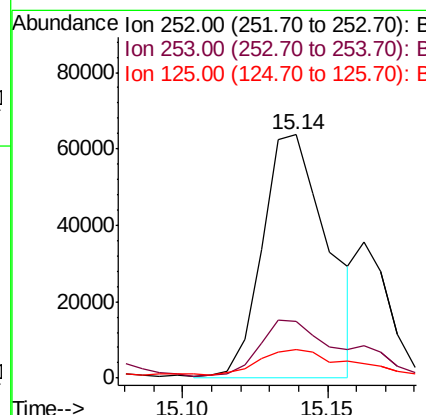
Manual Integrations
APPROVED

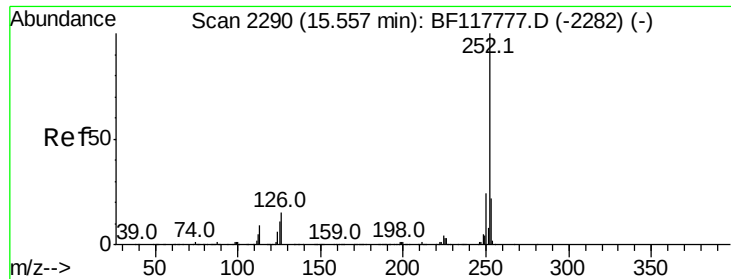
mohammad
11/29/2019 8:53:55 AM



#88
Benzo(b)fluoranthene
Concen: 4.853 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	11.7	8.6	13.0





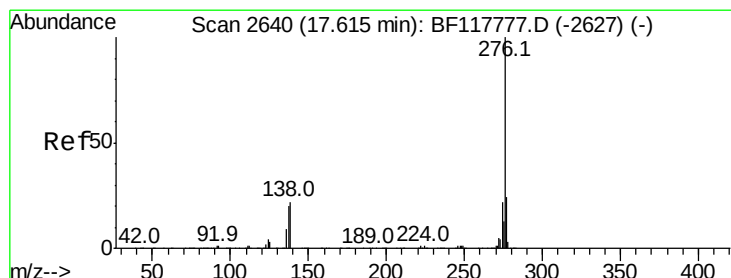
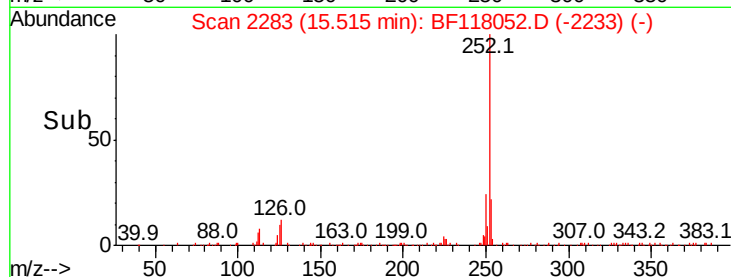
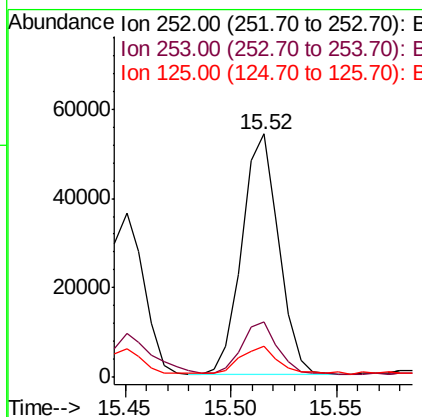
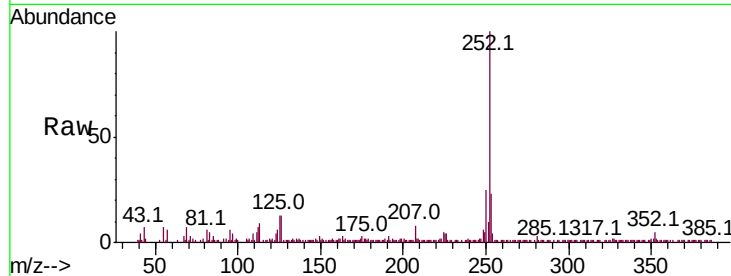
#90
Benzo(a)pyrene
Concen: 3.613 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Instrument :
BNA_F
ClientSampleId :
WS-112119-2-5-COMP-B5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	12.7	9.2	13.8

Manual Integrations
APPROVED

mohammad
11/29/2019 8:53:55 AM



#92
Benzo(g,h,i)perylene
Concen: 2.091 ng
RT: 17.55 min Scan# 2629
Delta R.T. -0.01 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	20.3	17.4	26.2

