

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118049.D
 Acq On : 27 Nov 2019 19:05
 Operator : JU
 Sample : K5977-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WS-112119-0-2-COMP-B6

Manual Integrations
 APPROVED

mohammad
 11/29/2019 8:53:46 AM

Quant Time: Nov 28 00:58:17 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	143337	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	537029	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	260985	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	410954	20.00	ng	0.00
76) Chrysene-d12	14.09	240	310166	20.00	ng	0.00
87) Perylene-d12	15.59	264	325190	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	841399	103.91	ng	0.00
7) Phenol-d6	6.52	99	1067782	109.32	ng	0.00
23) Nitrobenzene-d5	7.45	82	653285	72.31	ng	-0.02
42) 2,4,6-Tribromophenol	10.73	330	275859	99.84	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1115368	76.67	ng	-0.01
79) Terphenyl-d14	13.02	244	964538	56.83	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.65	163	237654	12.986	ng	98
71) Phenanthrene	11.45	178	350598	16.969	ng	97
72) Anthracene	11.50	178	75664	3.694	ng	97
75) Fluoranthene	12.65	202	543424	25.646	ng	99
78) Pyrene	12.88	202	491667	19.615	ng	98
81) Benzo(a)anthracene	14.07	228	299045	14.590	ng	97
83) Chrysene	14.11	228	275101	13.851	ng	98
86) Indeno(1,2,3-cd)pyrene	17.10	276	96204	5.691	ng	94
88) Benzo(b)fluoranthene	15.14	252	315446m	14.930	ng	
89) Benzo(k)fluoranthene	15.17	252	126739m	6.367	ng	
90) Benzo(a)pyrene	15.52	252	223844	12.049	ng	99
92) Benzo(a,h,i)perylene	17.56	276	87091	5.468	ng	96

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

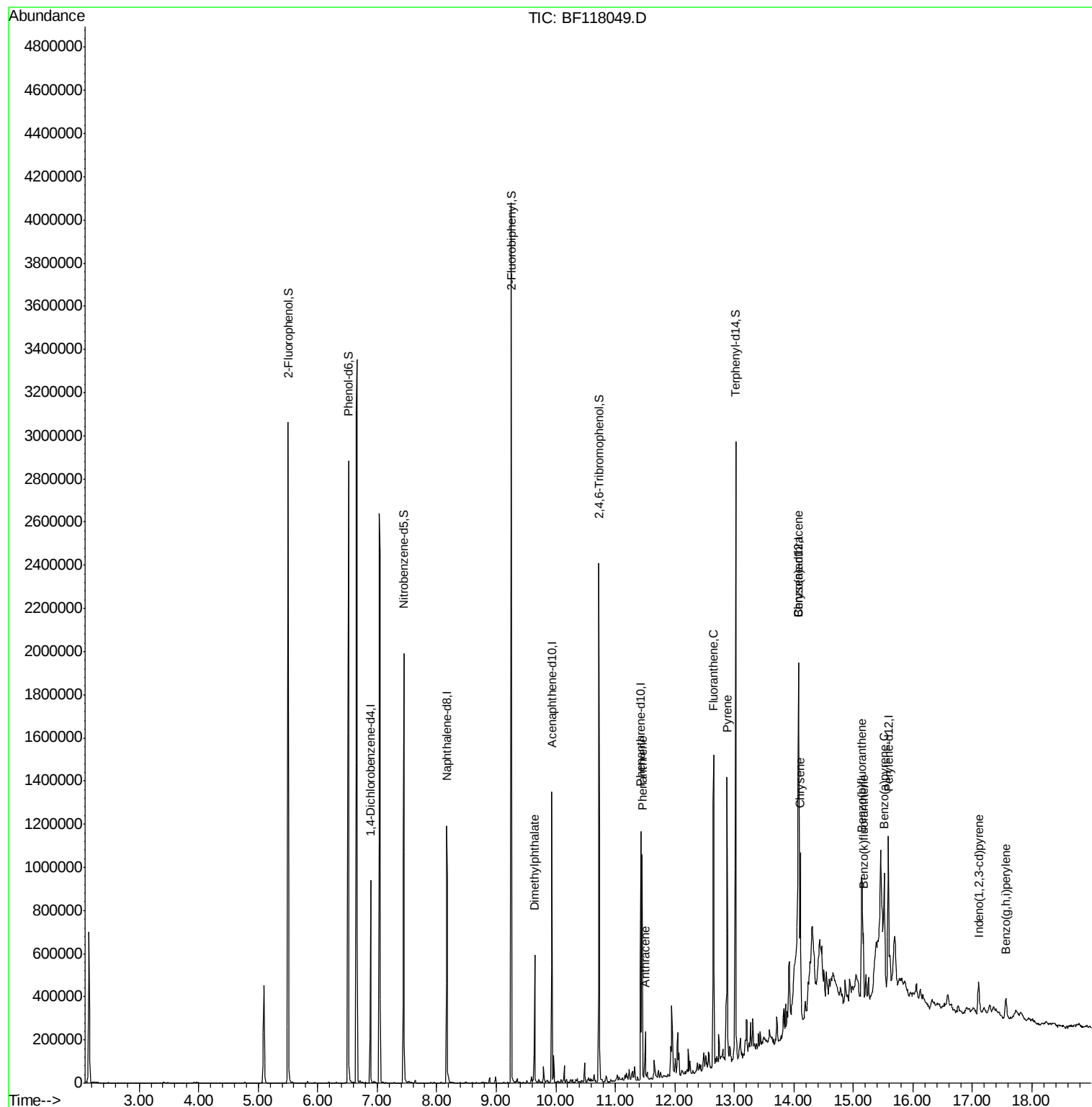
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
Data File : BF118049.D
Acq On : 27 Nov 2019 19:05
Operator : JU
Sample : K5977-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

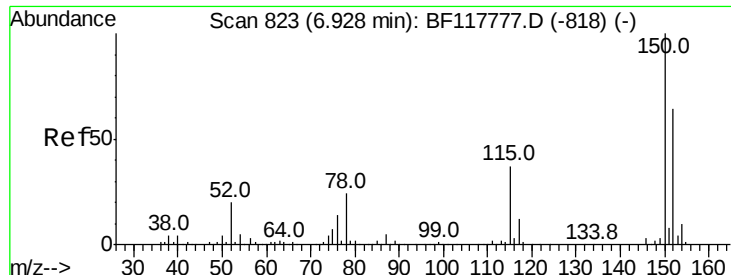
Instrument :
BNA_F
ClientSampleID :
WS-112119-0-2-COMP-B6

Manual Integrations
APPROVED

mohammad
11/29/2019 8:53:46 AM

Quant Time: Nov 28 00:58:17 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

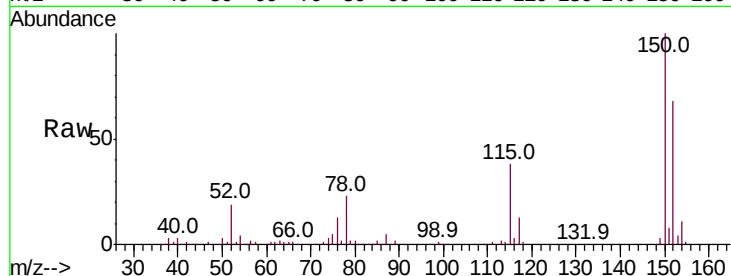
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Instrument :
BNA_F
ClientSampleId :
WS-112119-0-2-COMP-B6

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.1	125.3	187.9
115	55.6	47.0	70.4

Manual Integrations
APPROVED

mohammad
11/29/2019 8:53:46 AM

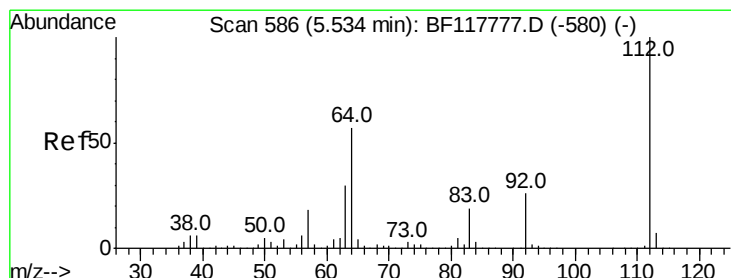
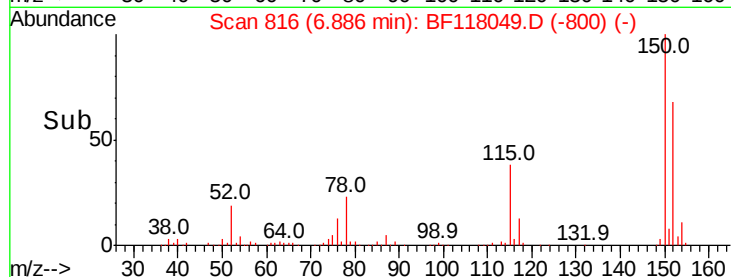
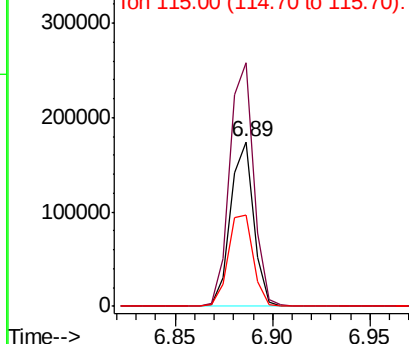


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

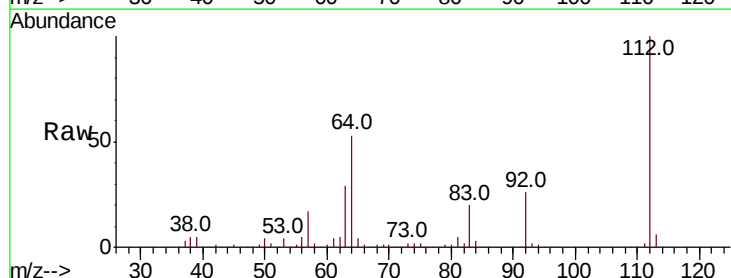
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 103.907 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	45.6	68.4
63	29.3	24.1	36.1

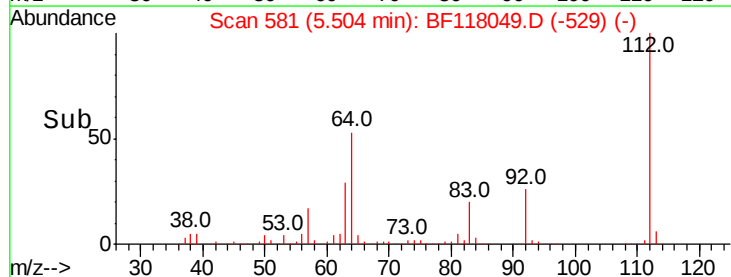
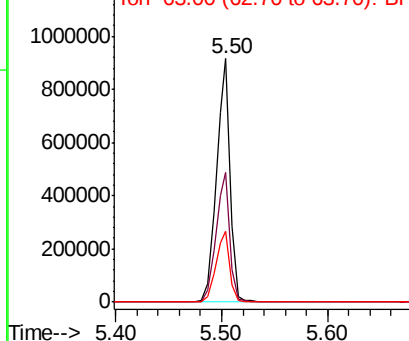


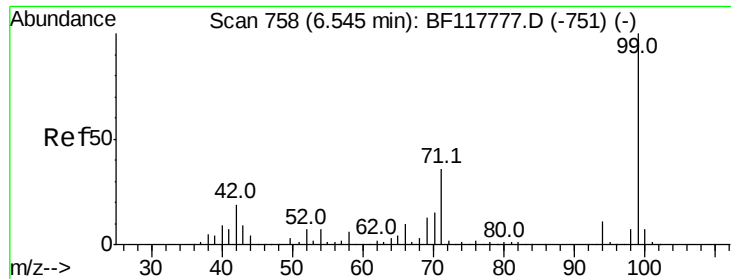
Abundance

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





#7

Phenol-d6

Concen: 109.325 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

Instrument :

BNA_F

ClientSampleId :

WS-112119-0-2-COMP-B6

Tot Ion: 99 Resp: 1067782

Ion Ratio Lower Upper

99 100

42 16.7 14.9 22.3

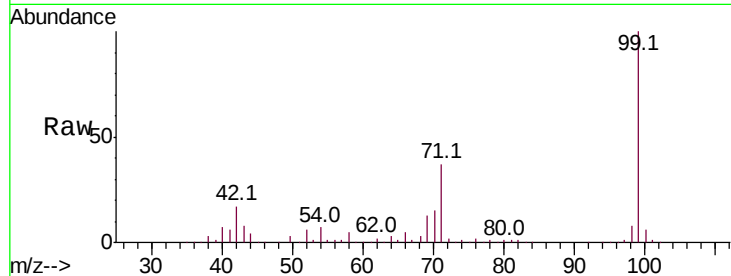
71 36.7 28.6 43.0

Manual Integrations

APPROVED

mohammad

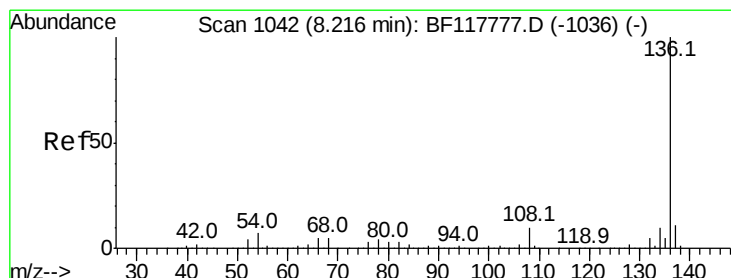
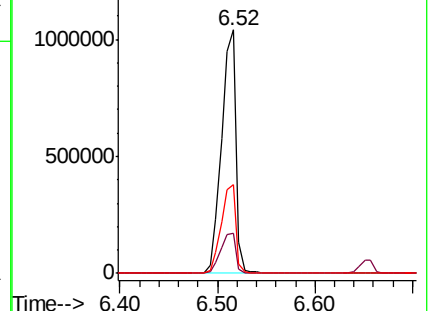
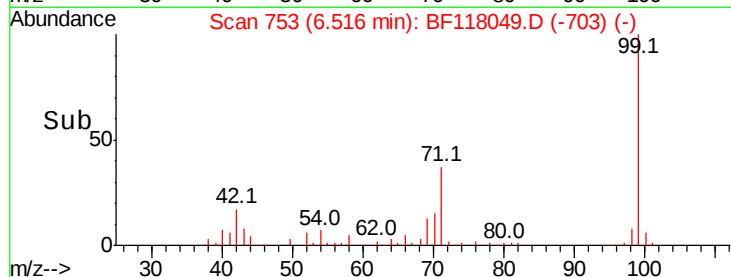
11/29/2019 8:53:46 AM



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: BF118049.D

Acq: 27 Nov 2019 19:05

Tgt Ion: 136 Resp: 537029

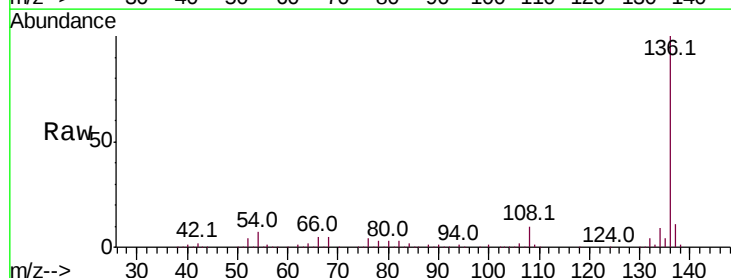
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.6 5.4 8.2

68 4.9 4.3 6.5

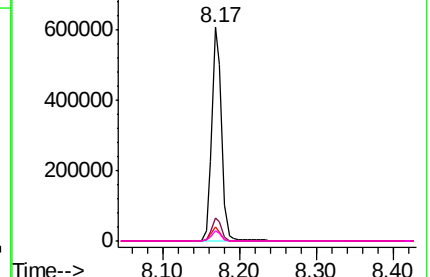
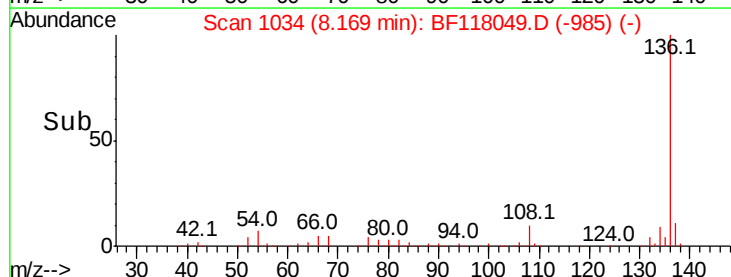


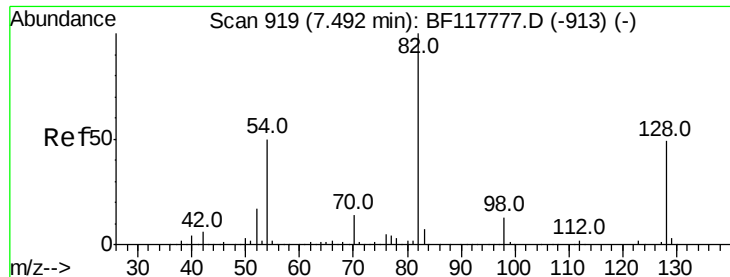
Abundance Ion 136.00 (135.70 to 136.70): E

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





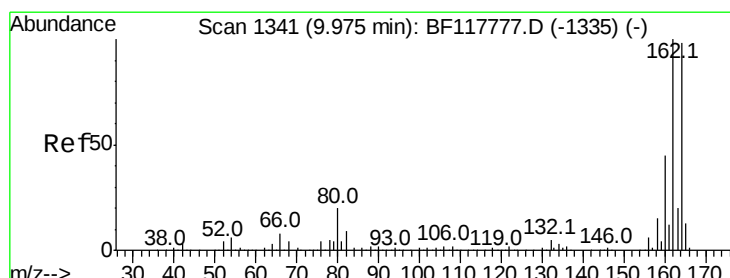
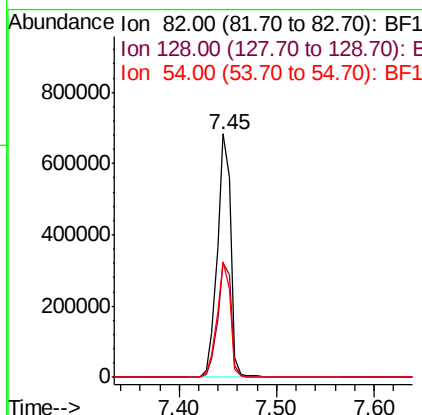
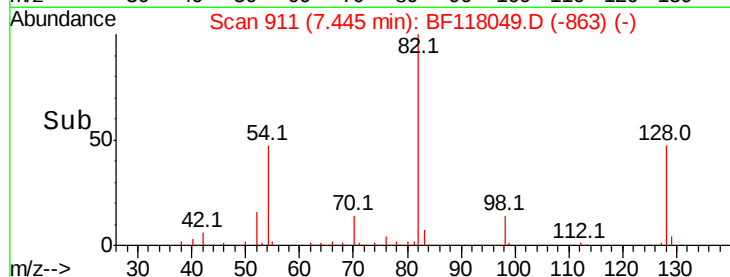
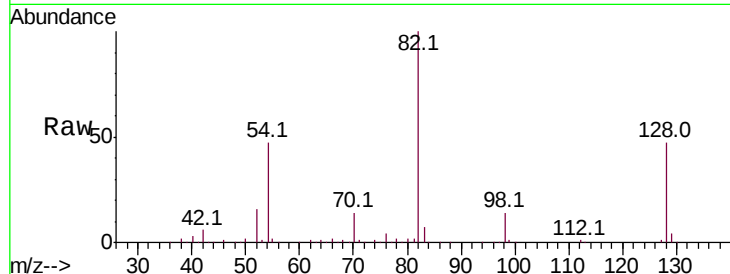
#23
Nitrobenzene-d5
Concen: 72.315 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Instrument :
BNA_F
ClientSampleId :
WS-112119-0-2-COMP-B6

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	38.9	58.3
54	47.5	39.8	59.6

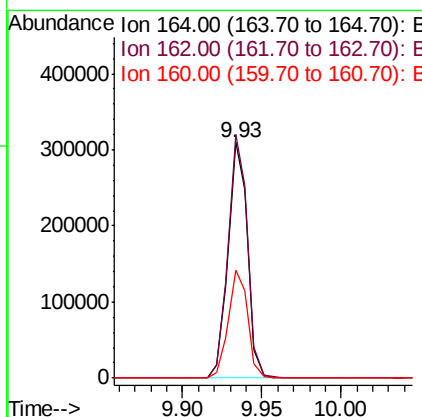
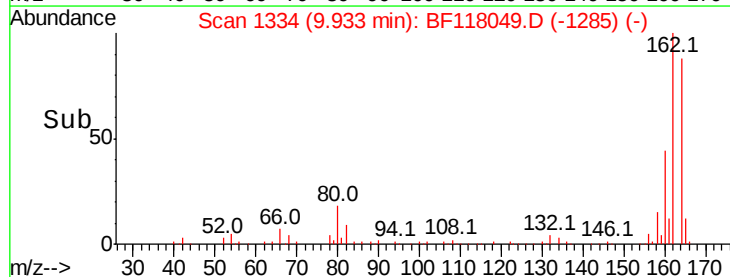
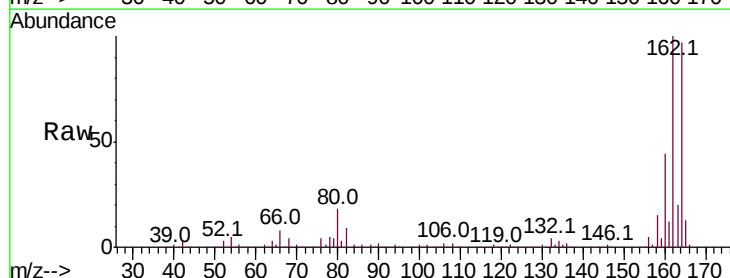
Manual Integrations
APPROVED

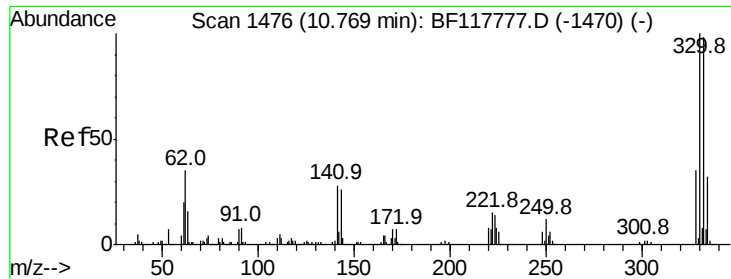
mohammad
11/29/2019 8:53:46 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.3	121.9
160	45.6	36.6	55.0





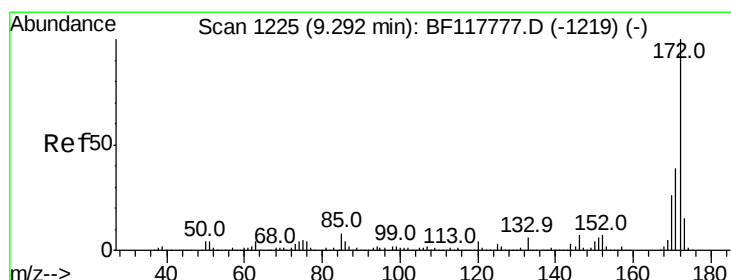
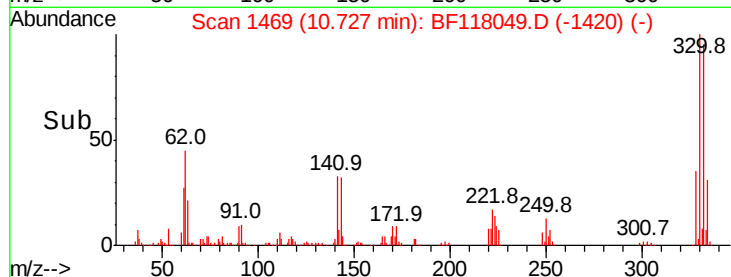
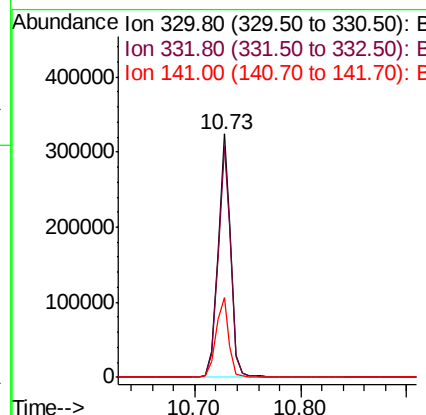
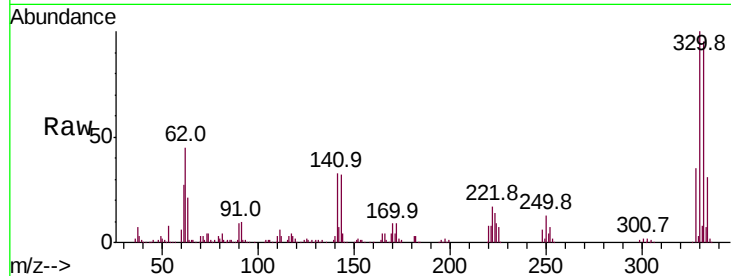
#42
 2,4,6-Tribromophenol
 Concen: 99.840 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF118049.D
 Acq: 27 Nov 2019 19:05

Instrument :
 BNA_F
 ClientSampleId :
 WS-112119-0-2-COMP-B6

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.7	115.1
141	33.2	27.7	41.5

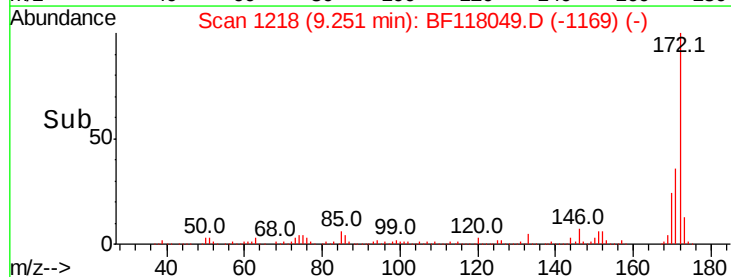
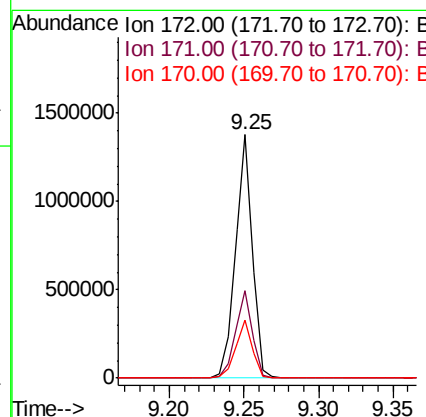
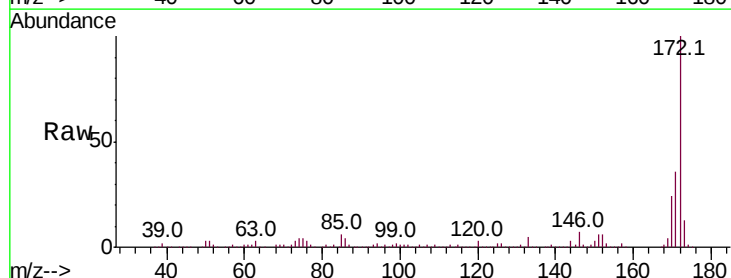
Manual Integrations
 APPROVED

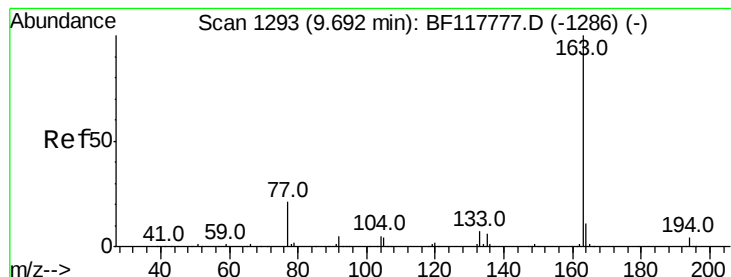
mohammad
 11/29/2019 8:53:46 AM



#45
 2-Fluorobiphenyl
 Concen: 76.671 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF118049.D
 Acq: 27 Nov 2019 19:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.9	46.3
170	23.8	21.0	31.4





#50

Dimethylphthalate

Concen: 12.986 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

Instrument :

BNA_F

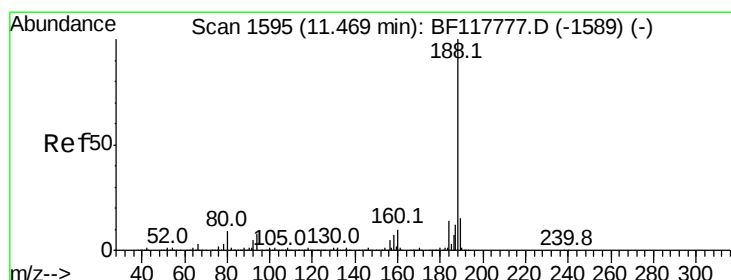
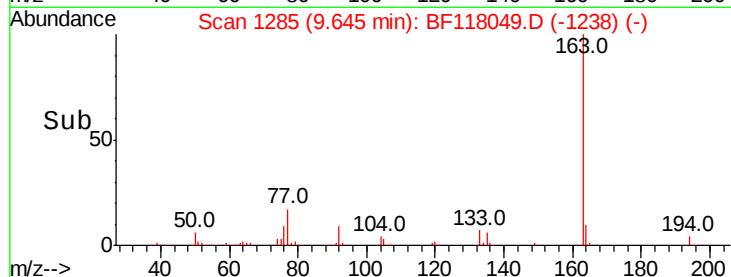
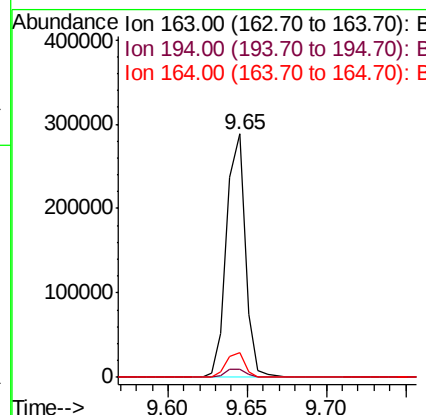
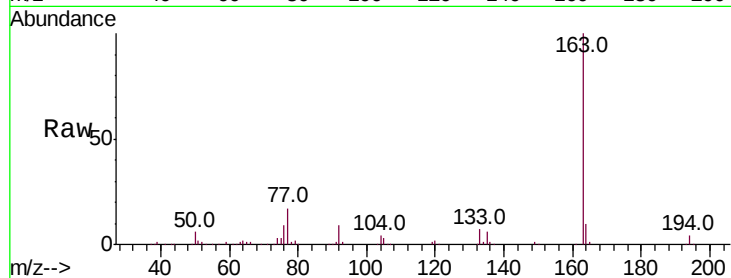
ClientSampleId :

WS-112119-0-2-COMP-B6

Tot Ion:	163	Resp:	237654
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.3	4.9
164	10.1	8.7	13.1

Manual Integrations
APPROVED

mohammad
11/29/2019 8:53:46 AM



#64

Phenanthrene-d10

Concen: 20.000 ng

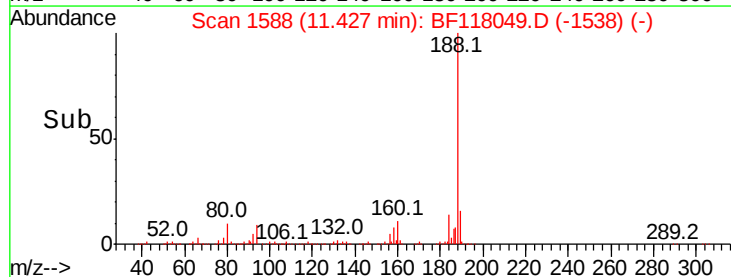
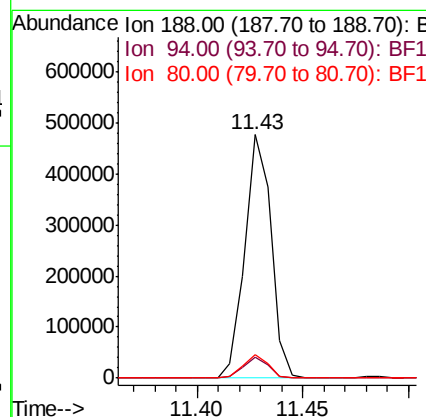
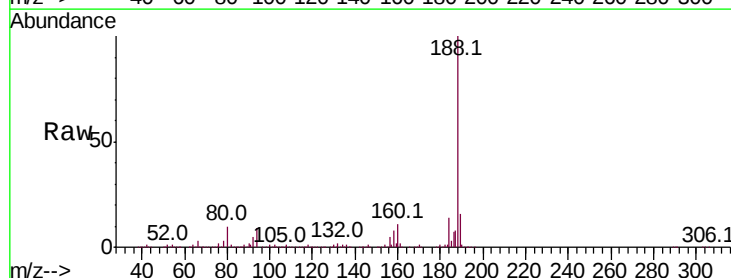
RT: 11.43 min Scan# 1588

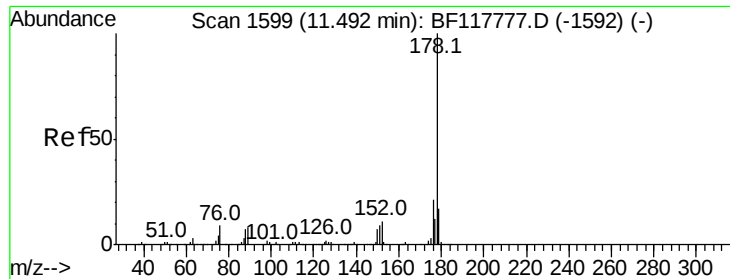
Delta R.T. -0.01 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

Tgt Ion:	188	Resp:	410954
Ion Ratio	Lower	Upper	
188	100		
94	8.8	6.6	10.0
80	9.7	7.2	10.8





#71

Phenanthrene

Concen: 16.969 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

Instrument :

BNA_F

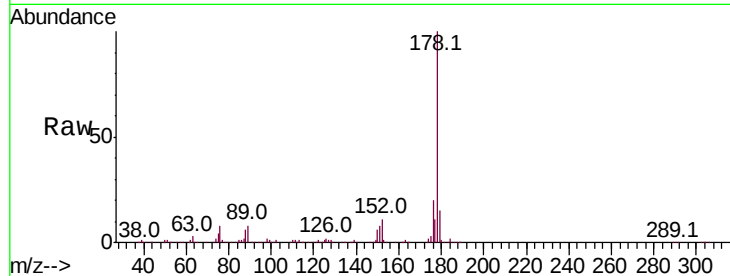
ClientSampleId :

WS-112119-0-2-COMP-B6

Tot Ion:	178	Resp:	350598
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.6	25.0
179	15.4	13.2	19.8

Manual Integrations
APPROVED

mohammad
11/29/2019 8:53:46 AM

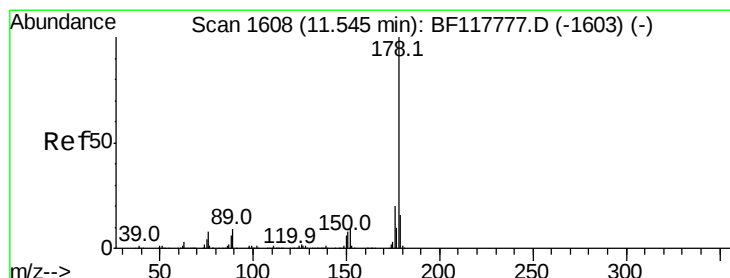
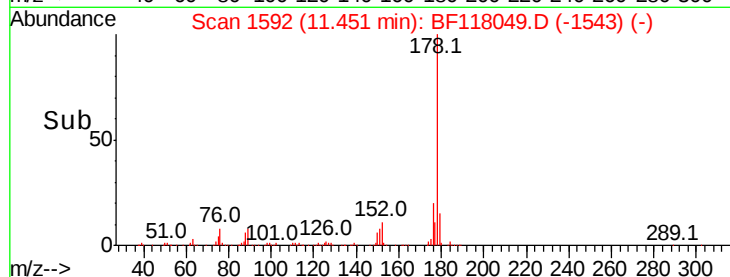
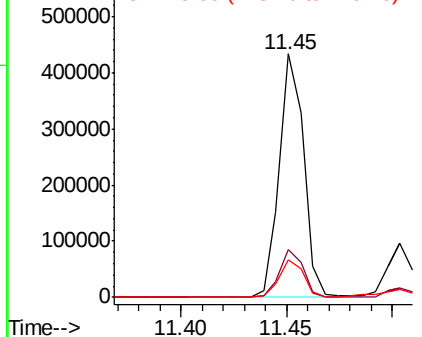


Abundance

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



#72

Anthracene

Concen: 3.694 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

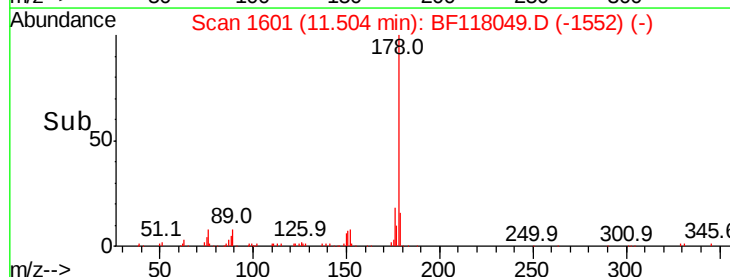
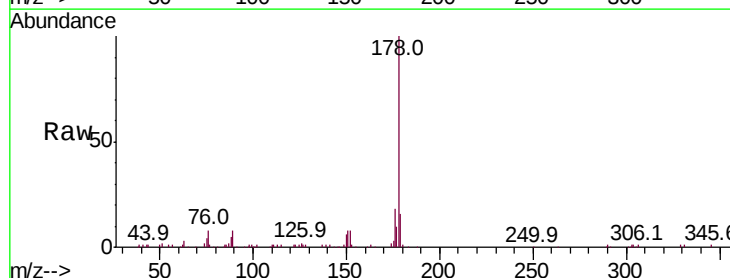
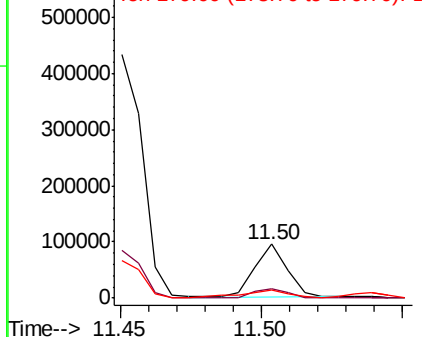
Tgt Ion:	178	Resp:	75664
Ion Ratio	Lower	Upper	
178	100		
176	18.2	16.1	24.1
179	15.8	13.0	19.4

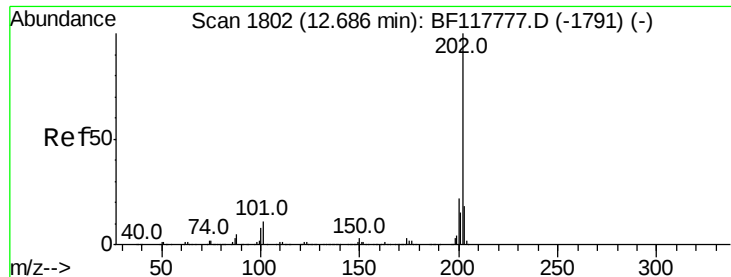
Abundance

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





#75

Fluoranthene

Concen: 25.646 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.00 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

Instrument :

BNA_F

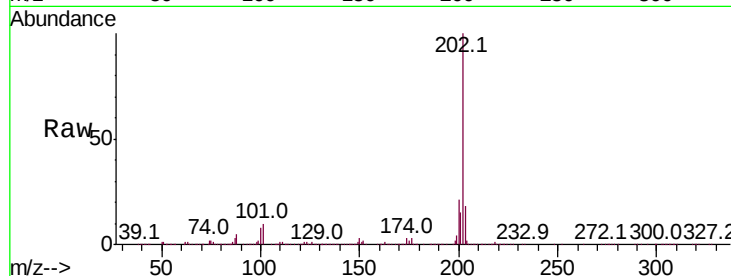
ClientSampleId :

WS-112119-0-2-COMP-B6

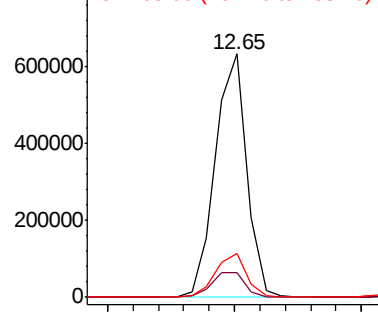
Tot Ion:	202	Resp:	543424
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	31.1
203	18.0	0.0	38.2

Manual Integrations
APPROVED

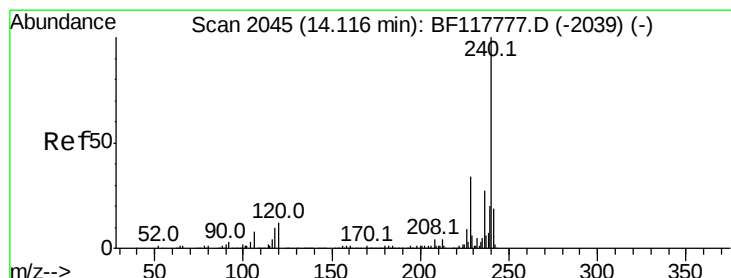
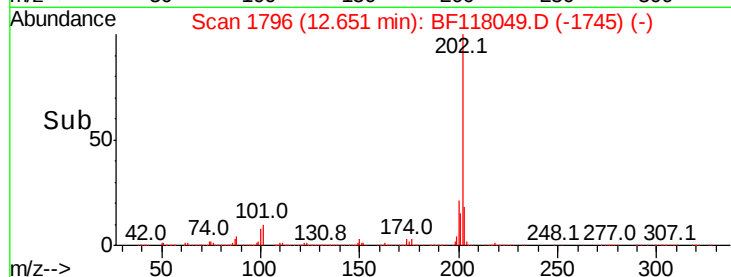
mohammad
11/29/2019 8:53:46 AM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

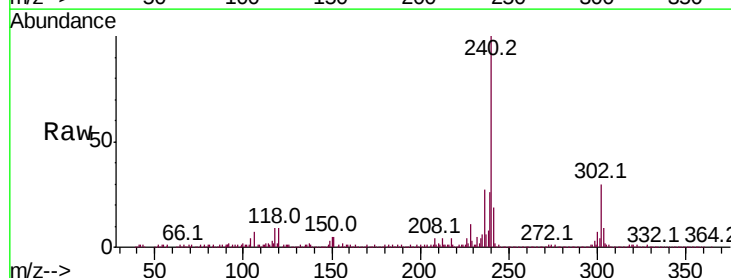
RT: 14.09 min Scan# 2040

Delta R.T. -0.00 min

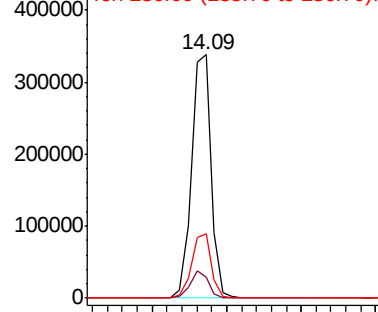
Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

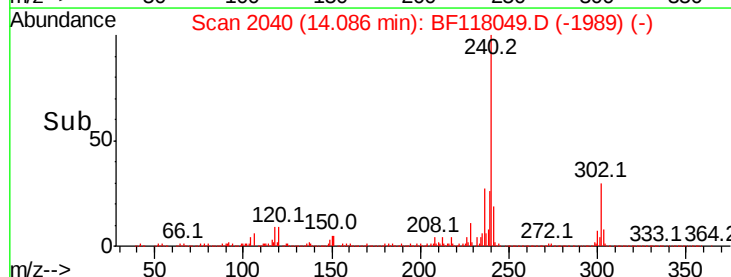
Tgt Ion:	240	Resp:	310166
Ion Ratio	Lower	Upper	
240	100		
120	8.7	9.5	14.3#
236	26.7	21.3	31.9

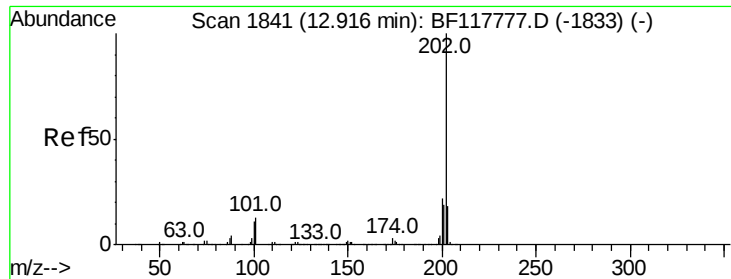


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





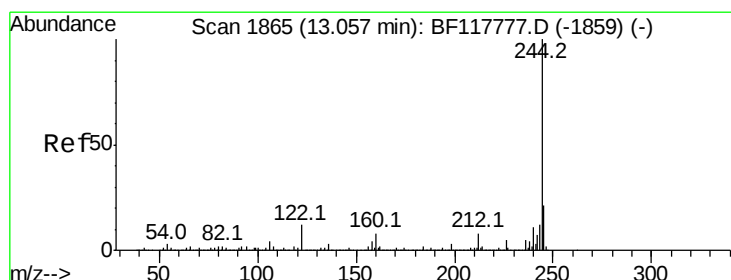
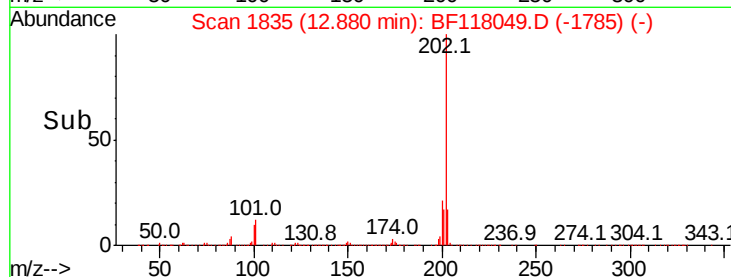
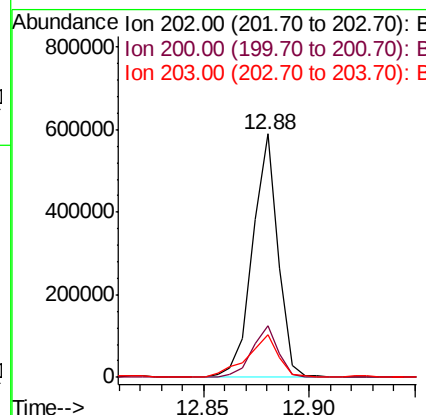
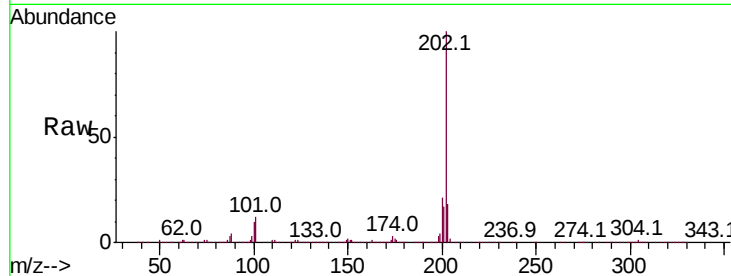
#78
Pvrene
Concen: 19.615 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Instrument :
BNA_F
ClientSampleId :
WS-112119-0-2-COMP-B6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	17.8	26.8
203	17.6	14.6	22.0

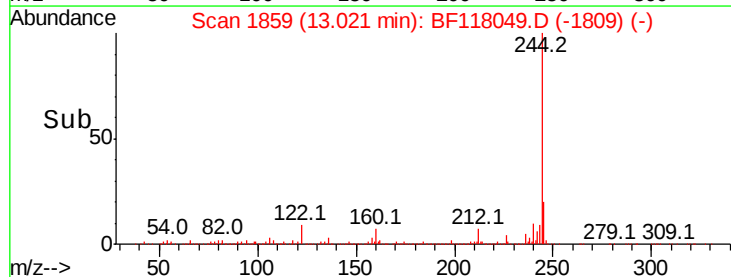
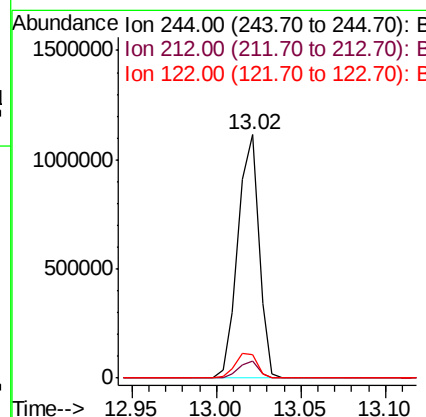
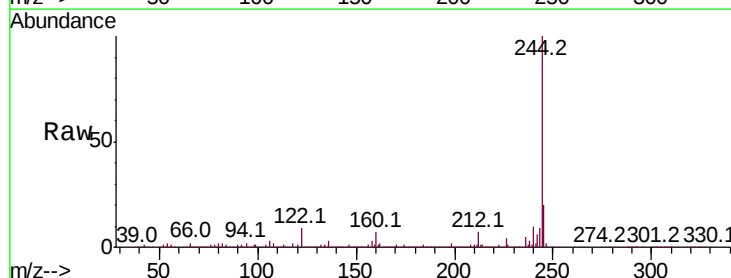
Manual Integrations
APPROVED

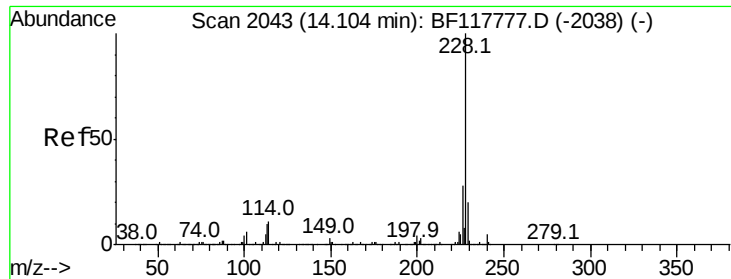
mohammad
11/29/2019 8:53:46 AM



#79
Terphenyl-d14
Concen: 56.834 ng
RT: 13.02 min Scan# 1859
Delta R.T. -0.01 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	6.3	9.5
122	9.4	9.4	14.2#





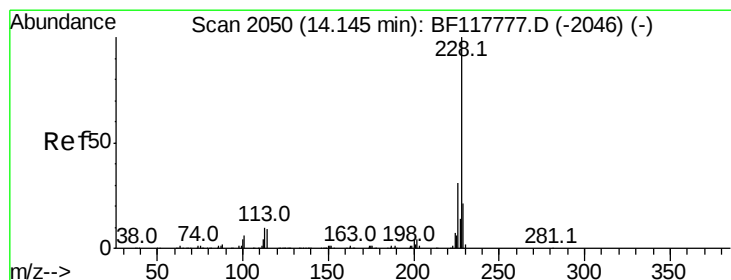
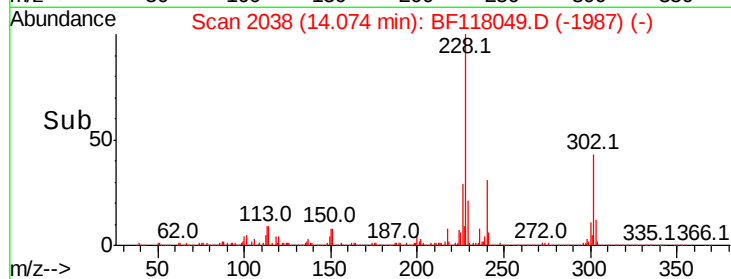
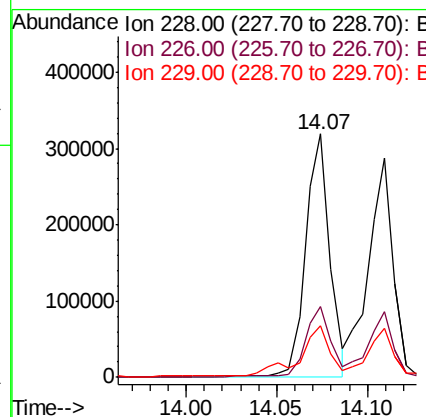
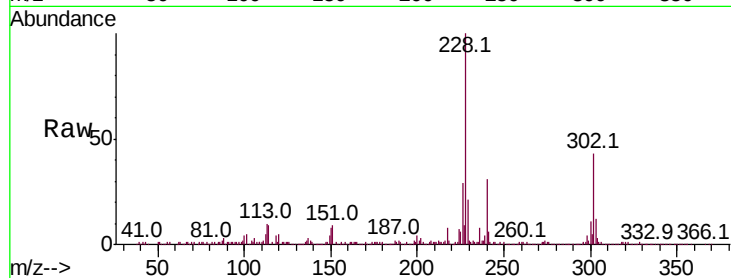
#81
Benzo(a)anthracene
Concen: 14.590 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Instrument :
BNA_F
ClientSampleId :
WS-112119-0-2-COMP-B6

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.2	33.2
229	21.4	15.9	23.9

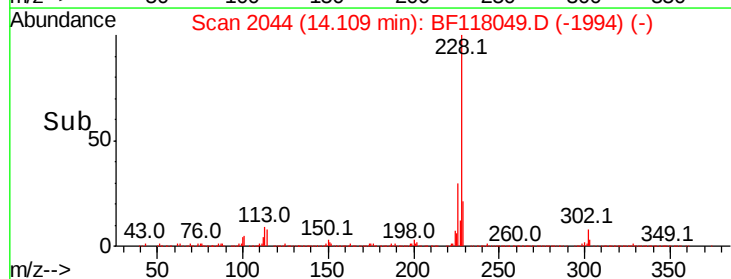
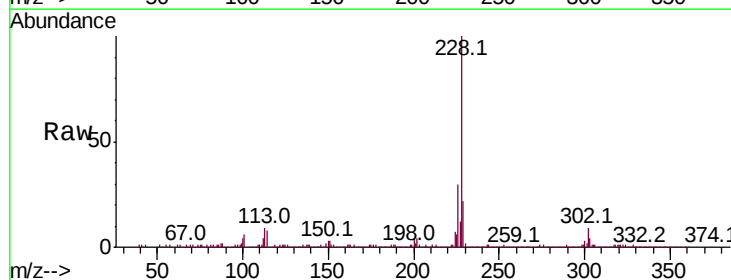
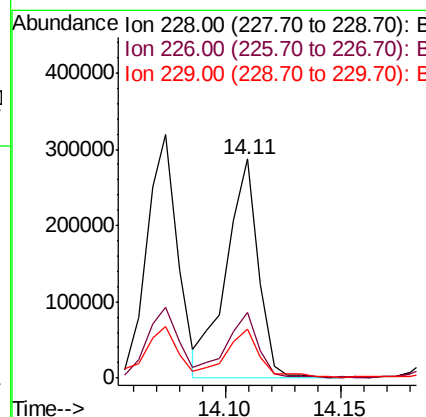
Manual Integrations
APPROVED

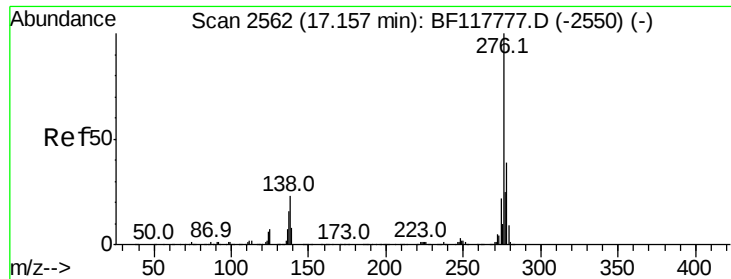
mohammad
11/29/2019 8:53:46 AM



#83
Chrysene
Concen: 13.851 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.4
229	22.1	16.6	25.0





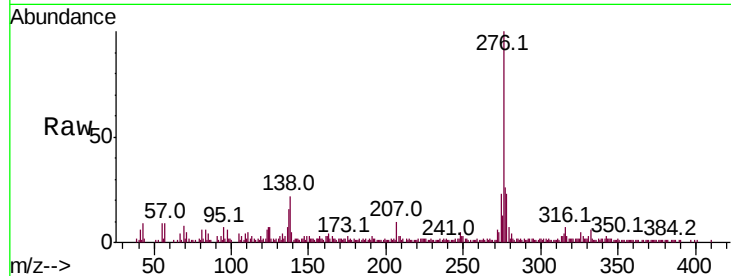
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.691 ng
RT: 17.10 min Scan# 2553
Delta R.T. 0.01 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Instrument :
BNA_F
ClientSampleId :
WS-112119-0-2-COMP-B6

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	20.9	31.3
277	27.4	20.3	30.5

Manual Integrations
APPROVED

mohammad
11/29/2019 8:53:46 AM

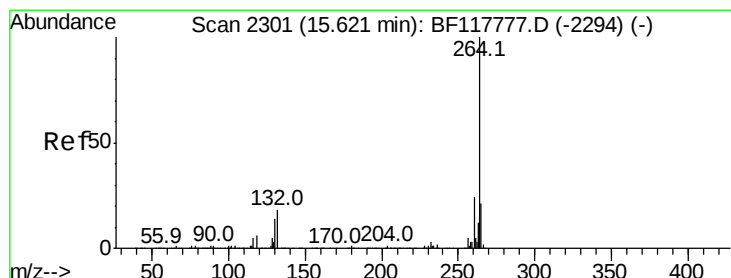
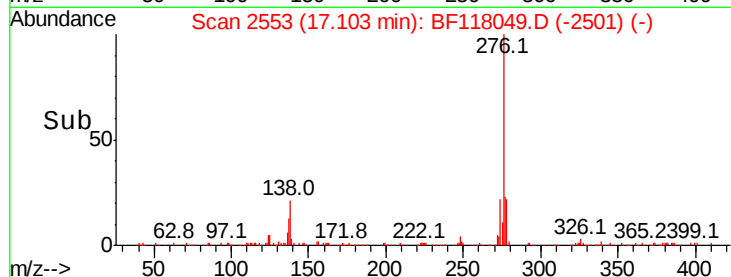
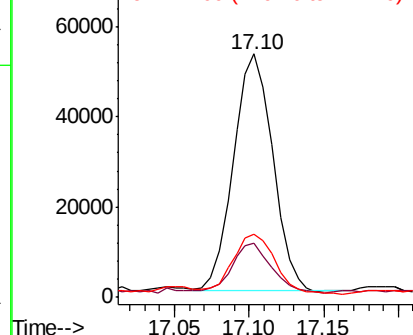


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

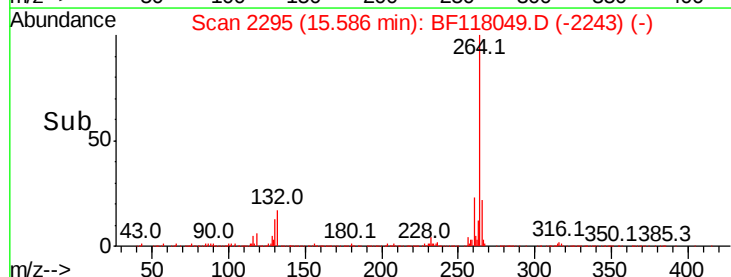
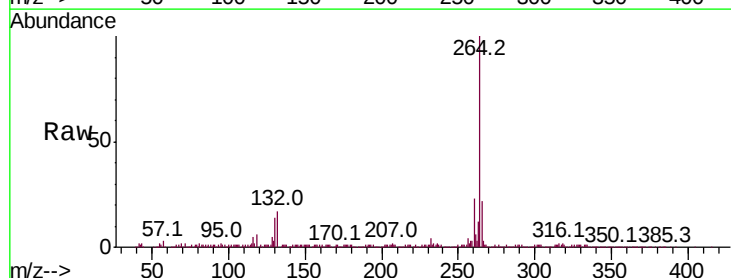
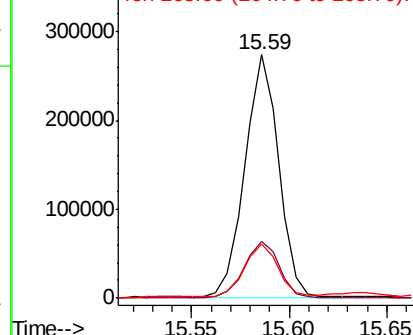
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	22.3	17.1	25.7

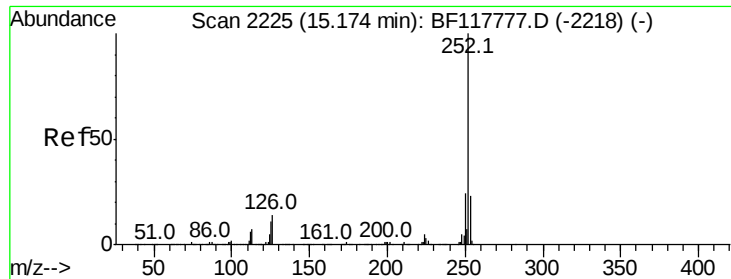
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 14.930 ng m

RT: 15.14 min Scan# 2220

Delta R.T. 0.01 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

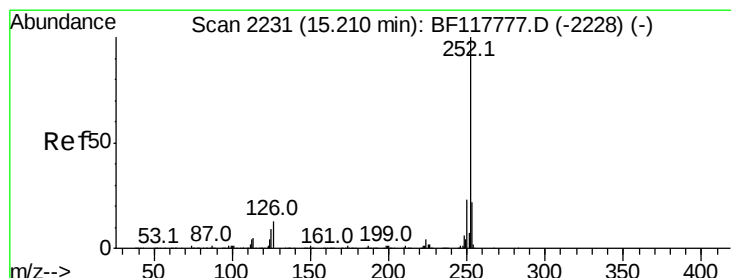
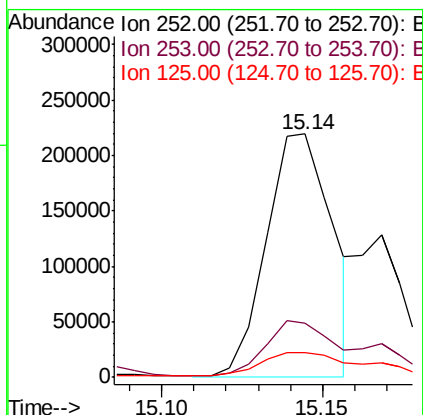
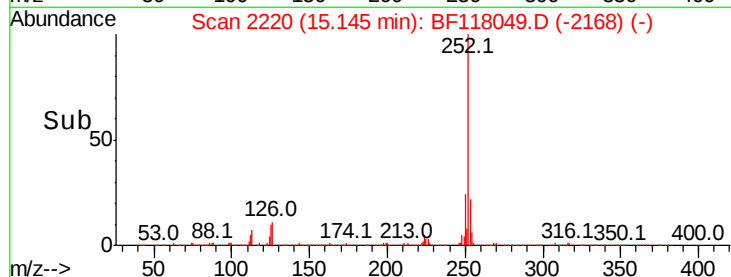
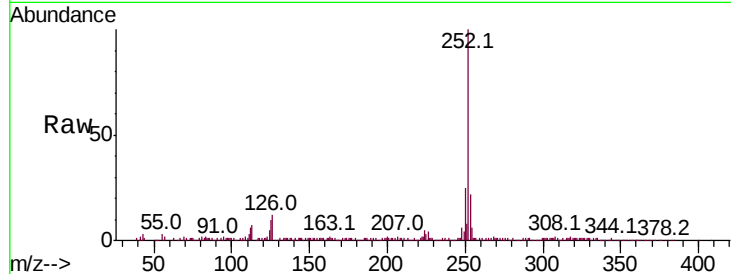
Instrument :
BNA_F

ClientSampleId :
WS-112119-0-2-COMP-B6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	10.3	8.6	13.0

Manual Integrations
APPROVED

mohammad
11/29/2019 8:53:46 AM



#89

Benzo(k)fluoranthene

Concen: 6.367 ng m

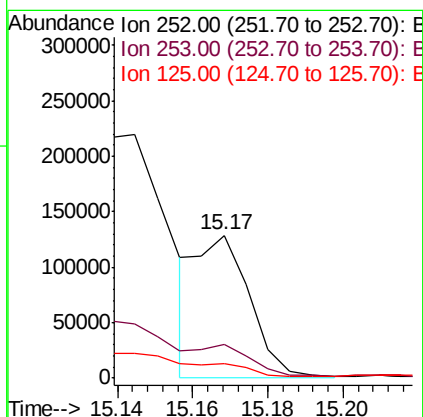
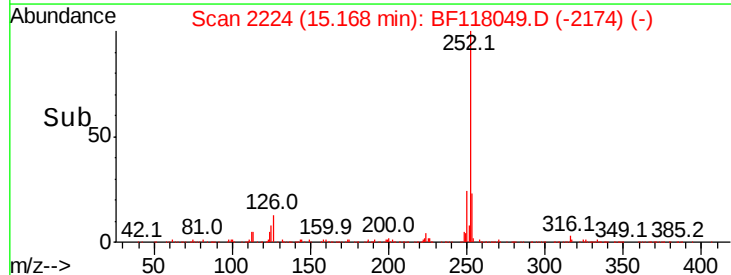
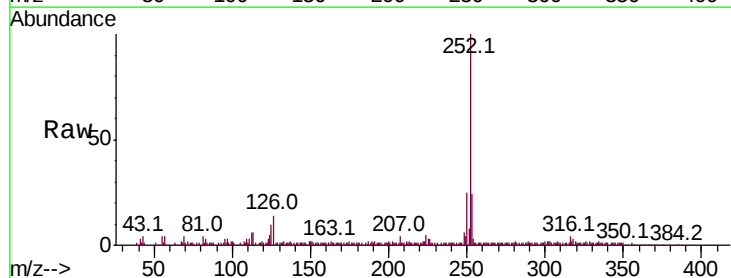
RT: 15.17 min Scan# 2224

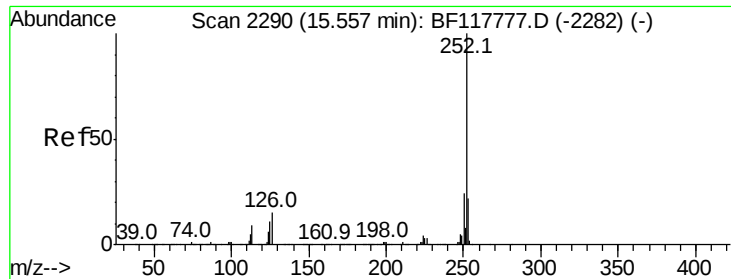
Delta R.T. -0.01 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	9.9	7.9	11.9





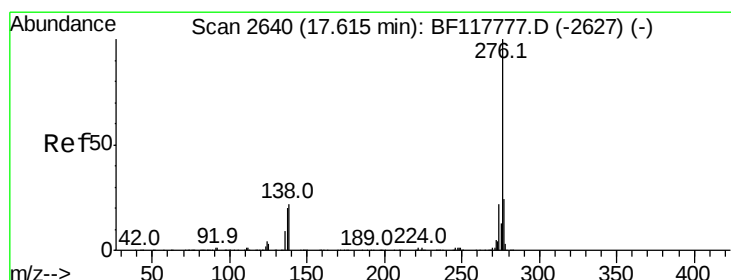
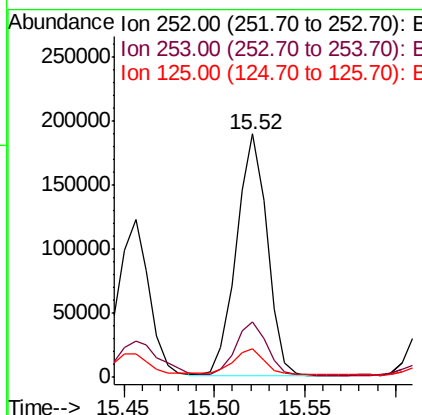
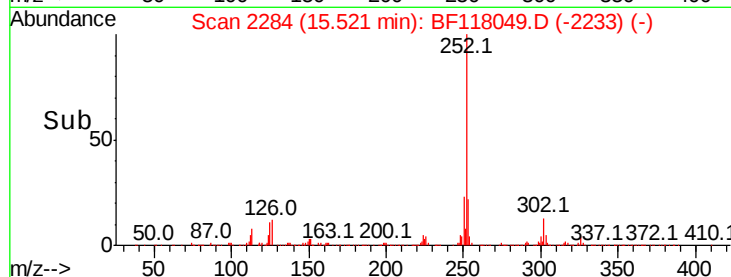
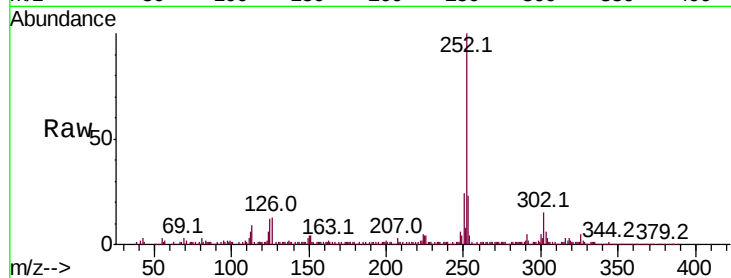
#90
Benzo(a)pyrene
Concen: 12.049 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.00 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Instrument :
BNA_F
ClientSampleId :
WS-112119-0-2-COMP-B6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	11.5	9.2	13.8

Manual Integrations
APPROVED

mohammad
11/29/2019 8:53:46 AM



#92
Benzo(g,h,i)perylene
Concen: 5.468 ng
RT: 17.56 min Scan# 2631
Delta R.T. 0.01 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.9	28.3
138	23.9	17.4	26.2

