

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100819\
 Data File : BF117352.D
 Acq On : 8 Oct 2019 20:30
 Operator : JU
 Sample : K5147-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-100719

Manual Integrations
 APPROVED

mohammad
 10/11/2019 8:29:28 AM

Quant Time: Oct 09 03:49:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	44953	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	186903	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	90948	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	130347	20.00	ng	0.00
76) Chrysene-d12	13.97	240	93700	20.00	ng	0.00
87) Perylene-d12	15.43	264	85376	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	108573	37.71	ng	0.00
7) Phenol-d6	6.44	99	168583	45.30	ng	-0.01
23) Nitrobenzene-d5	7.36	82	98664	27.74	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	25187	33.14	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	198017	34.04	ng	-0.01
79) Terphenyl-d14	12.90	244	153934	30.71	ng	0.00
Target Compounds						
49) Acenaphthylene	9.70	152	65318	7.744	ng	99
50) Dimethylphthalate	9.55	163	21653	3.362	ng	97
58) Fluorene	10.39	166	12177	2.049	ng	99
71) Phenanthrene	11.35	178	110538	14.930	ng	99
72) Anthracene	11.40	178	43907	5.809	ng	98
75) Fluoranthene	12.54	202	271252	35.657	ng	98
78) Pyrene	12.77	202	273572	34.796	ng	99
81) Benzo(a)anthracene	13.96	228	164438	26.267	ng	97
83) Chrysene	13.99	228	151410	24.798	ng	98
86) Indeno(1,2,3-cd)pyrene	16.89	276	76836	17.249	ng	94
88) Benzo(b)fluoranthene	15.01	252	198718m	38.425	ng	
89) Benzo(k)fluoranthene	15.03	252	60190m	12.287	ng	
90) Benzo(a)pyrene	15.37	252	131644	29.009	ng	97
91) Dibenzo(a,h)anthracene	16.89	278	18404	5.091	ng	# 88
92) Benzo(a,h,i)perylene	17.33	276	65576	18.203	ng	97

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

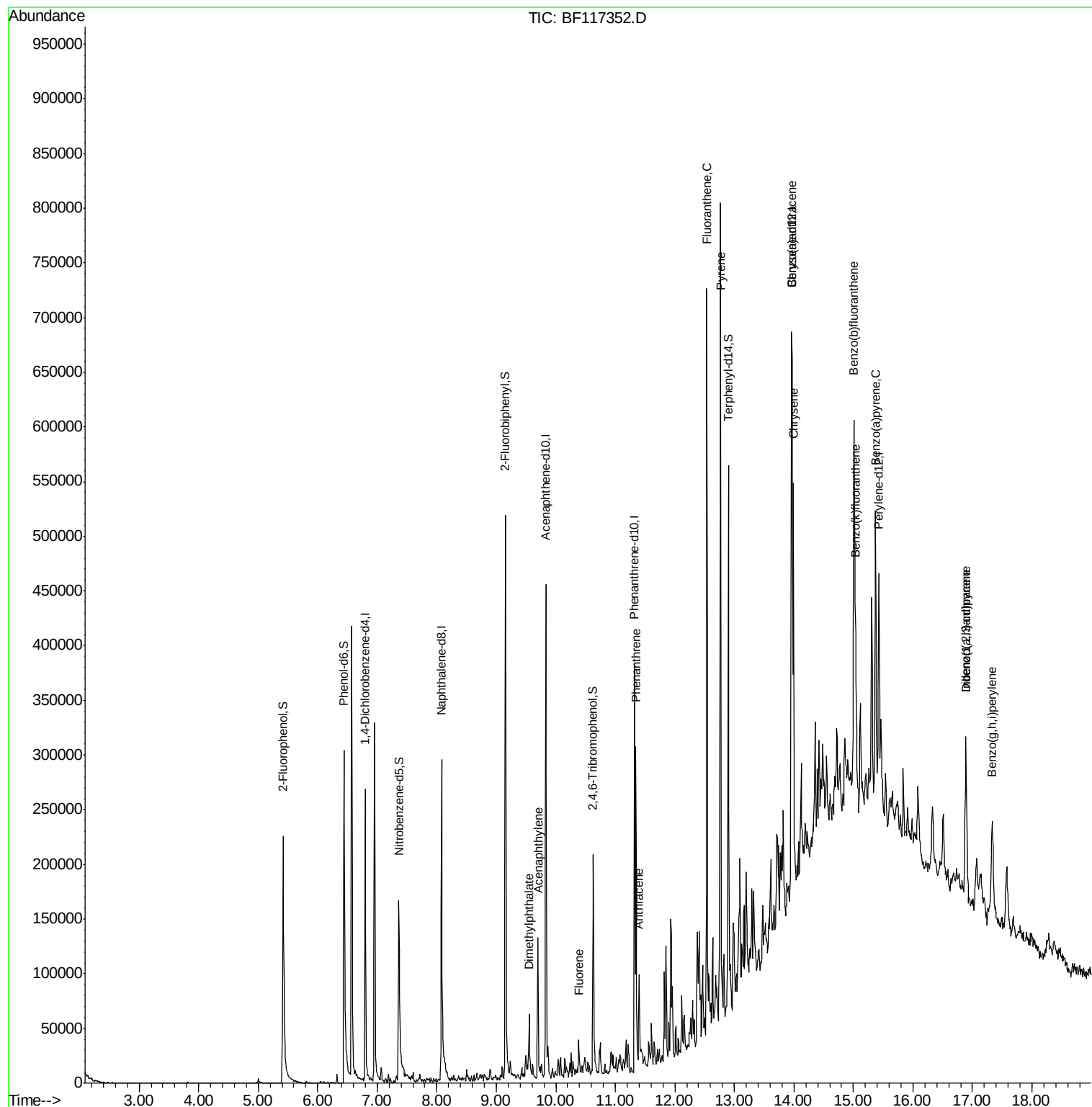
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100819\
Data File : BF117352.D
Acq On : 8 Oct 2019 20:30
Operator : JU
Sample : K5147-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

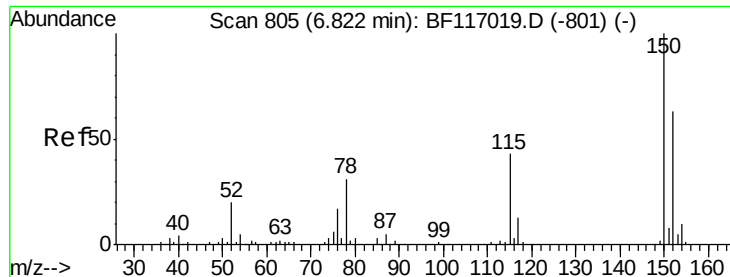
Instrument :
BNA_F
ClientSampleId :
OK-03-100719

Manual Integrations
APPROVED

mohammad
10/11/2019 8:29:28 AM

Quant Time: Oct 09 03:49:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 09 01:26:00 2019
Response via : Initial Calibration





#1

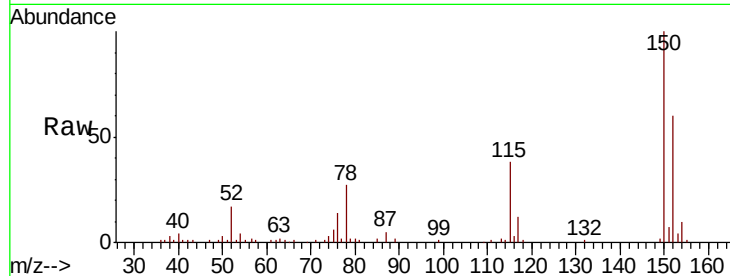
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Instrument :
BNA_F
ClientSampleId :
OK-03-100719

Tot Ion	Ratio	Lower	Upper
152	100		
150	166.9	127.5	191.3
115	64.2	55.0	82.4

Manual Integrations
APPROVED

mohammad
10/11/2019 8:29:28 AM

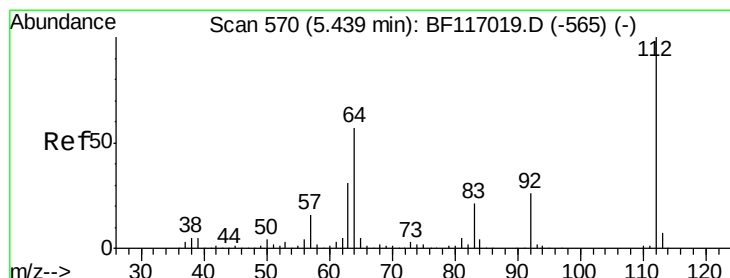
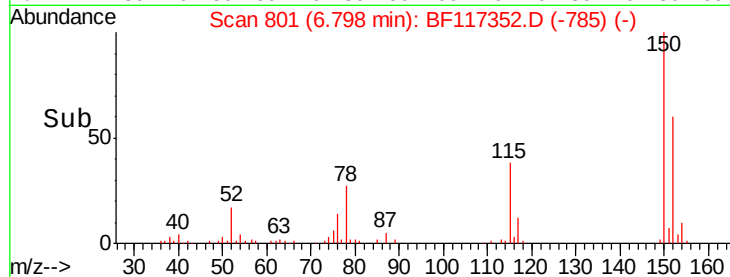
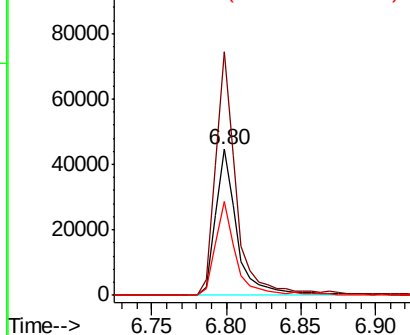


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

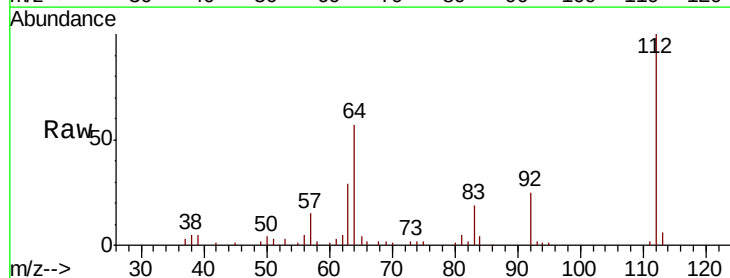
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 37.708 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.7	68.5
63	29.2	24.9	37.3

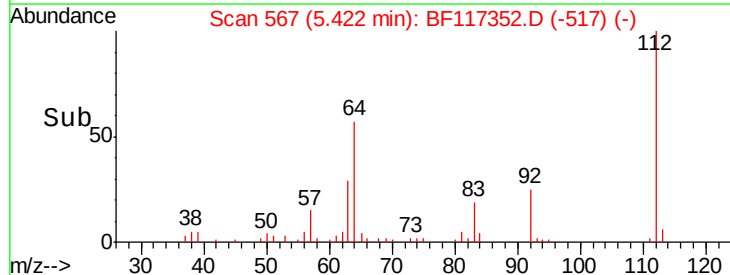
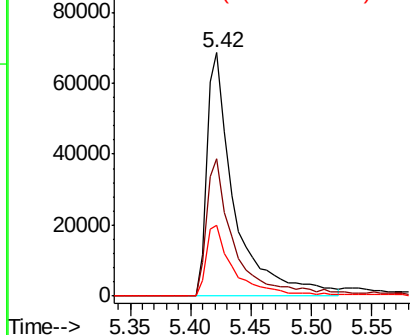


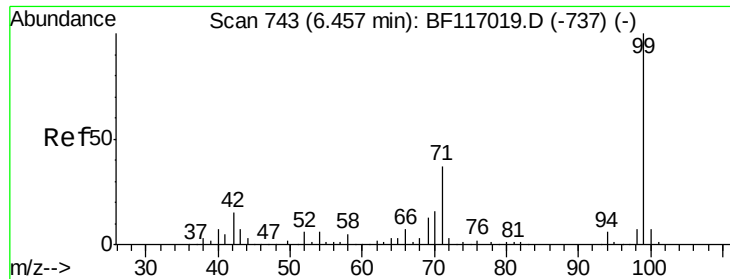
Abundance

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: 45.305 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

Instrument :

BNA_F

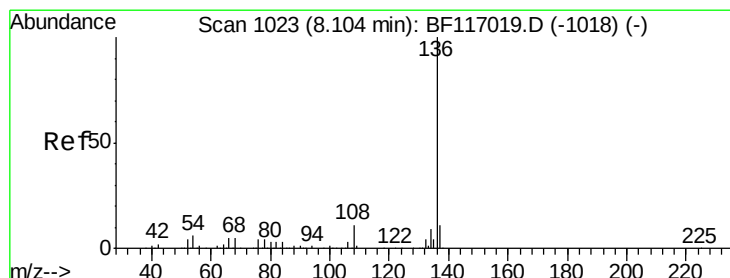
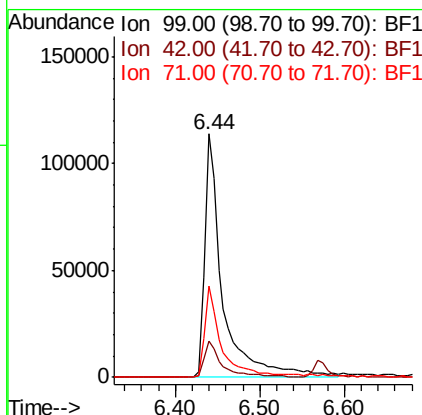
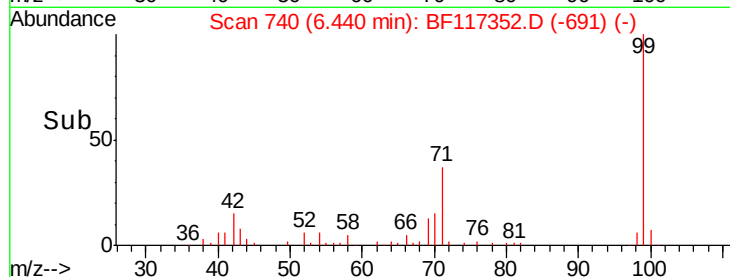
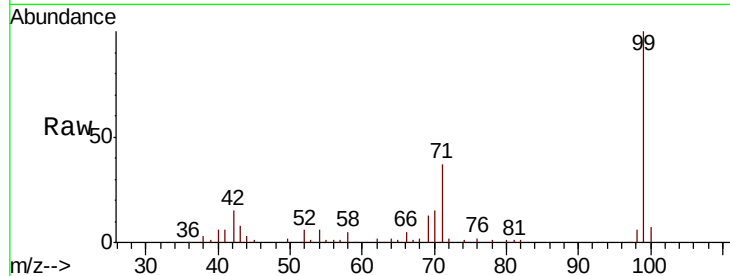
ClientSampleId :

OK-03-100719

Tot Ion:	99	Resp:	168583
Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.2	18.2
71	37.3	29.8	44.8

Manual Integrations
APPROVED

mohammad
10/11/2019 8:29:28 AM



#21

Naphthalene-d8

Concen: 20.000 ng

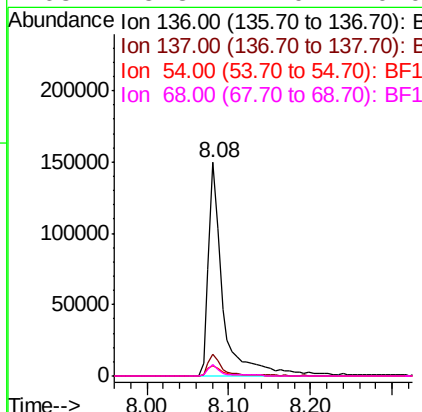
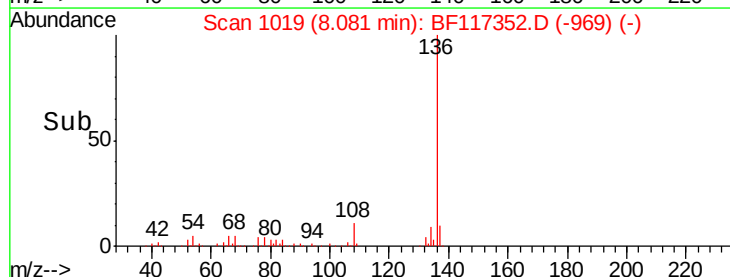
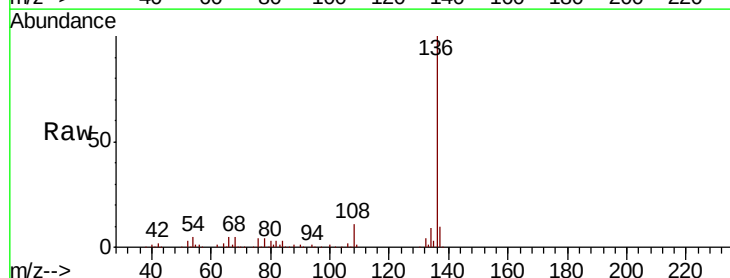
RT: 8.08 min Scan# 1019

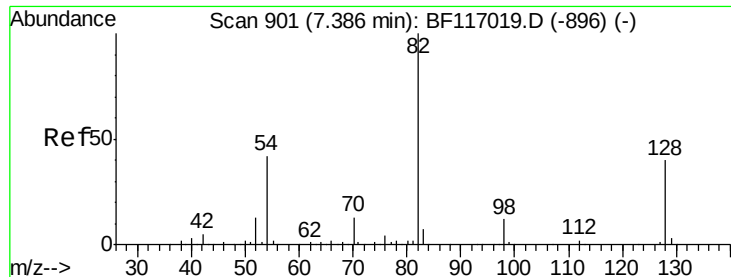
Delta R.T. -0.01 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

Tgt Ion:	136	Resp:	186903
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.0	13.4
54	5.0	4.5	6.7
68	5.3	4.0	6.0





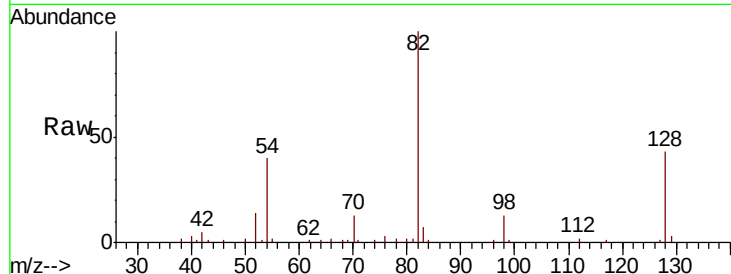
#23
 Nitrobenzene-d5
 Concen: 27.737 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF117352.D
 Acq: 8 Oct 2019 20:30

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-100719

Tot Ion	82	Resp	98664
Ion Ratio	100	Lower	Upper
82	100		
128	42.5	32.3	48.5
54	40.3	33.3	49.9

Manual Integrations
 APPROVED

mohammad
 10/11/2019 8:29:28 AM

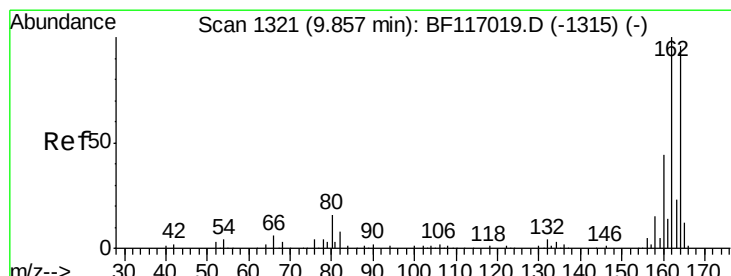
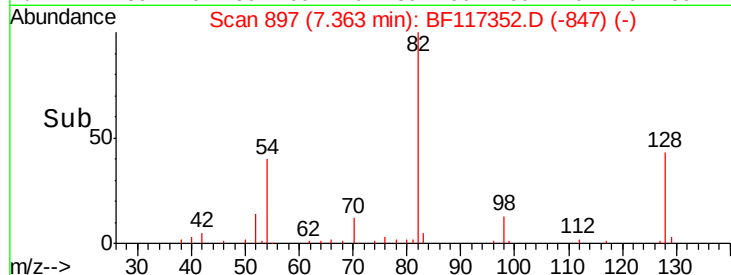
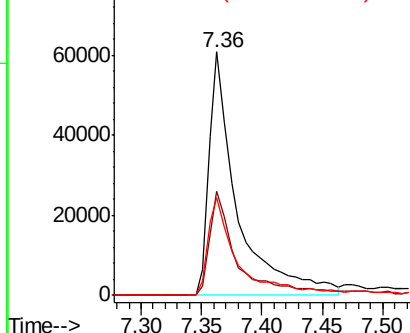


Abundance

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: 9.83 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF117352.D
 Acq: 8 Oct 2019 20:30

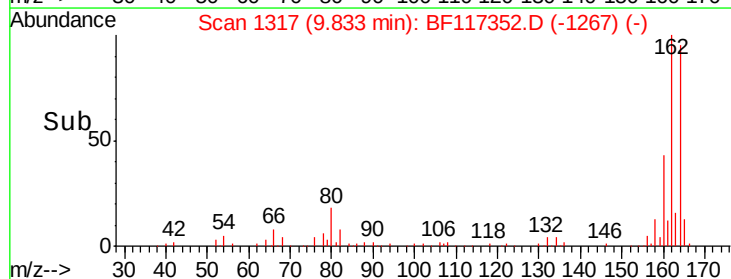
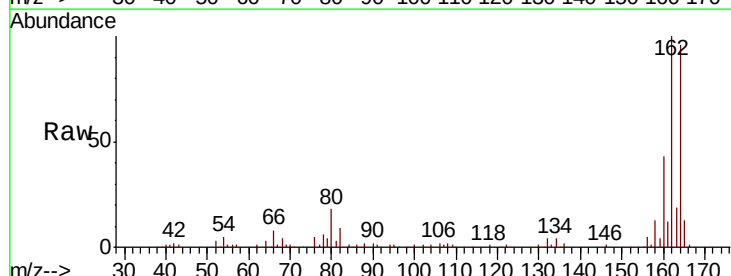
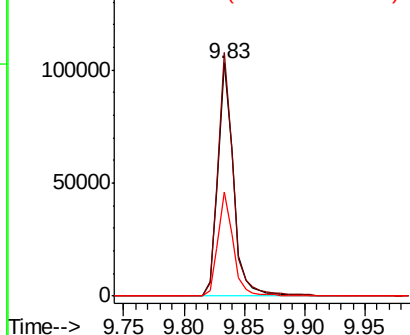
Tgt Ion	164	Resp	90948
Ion Ratio	100	Lower	Upper
164	100		
162	104.4	83.4	125.2
160	44.8	36.4	54.6

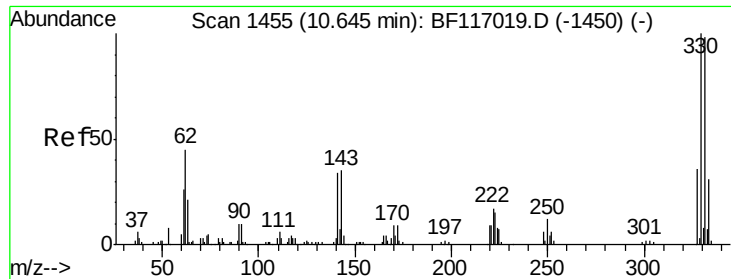
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 33.136 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

Instrument :

BNA_F

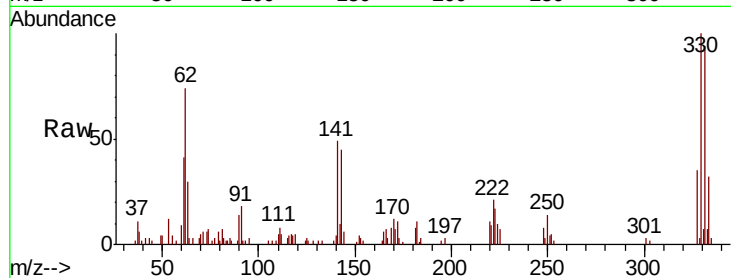
ClientSampleId :

OK-03-100719

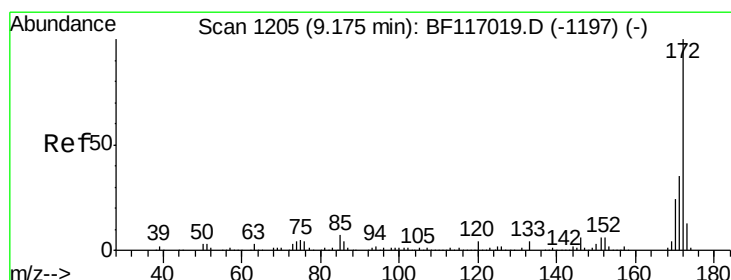
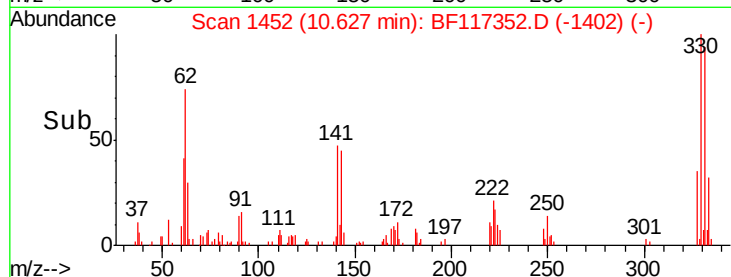
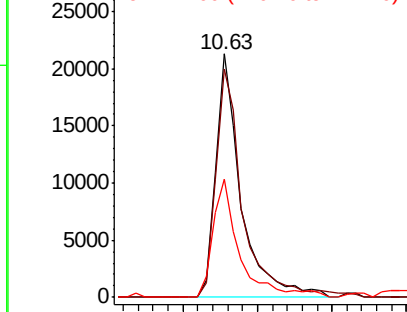
Tot Ion:	330	Resp:	25187
Ion Ratio	Lower	Upper	
330	100		
332	100.4	78.0	117.0
141	50.7	35.8	53.6

Manual Integrations
APPROVED

mohammad
10/11/2019 8:29:28 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: 34.043 ng

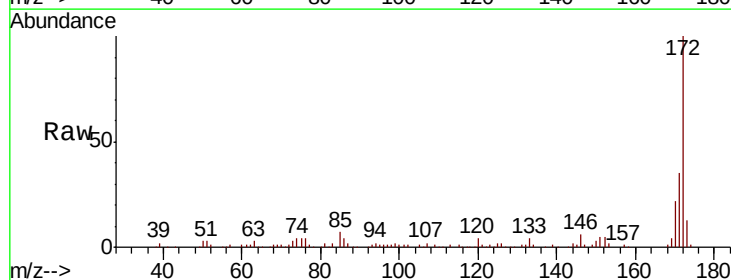
RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

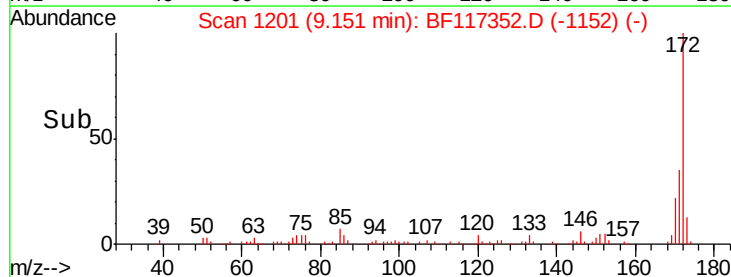
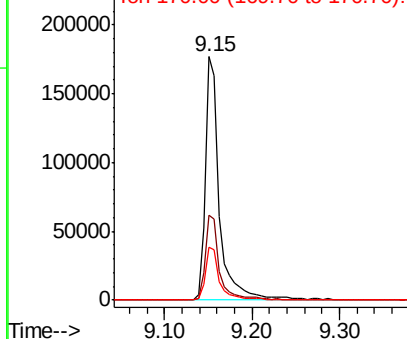
Lab File: BF117352.D

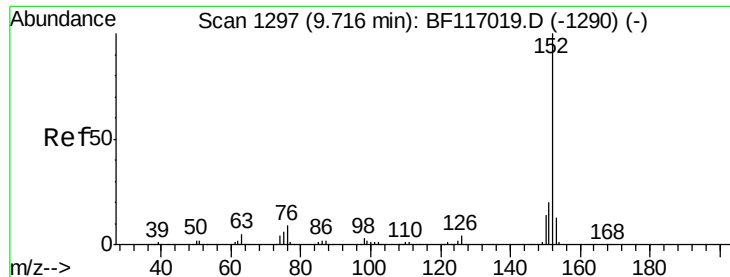
Acq: 8 Oct 2019 20:30

Tgt Ion:	172	Resp:	198017
Ion Ratio	Lower	Upper	
172	100		
171	34.8	28.2	42.2
170	21.7	18.9	28.3



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





#49

Acenaphthylene

Concen: 7.744 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

Instrument :

BNA_F

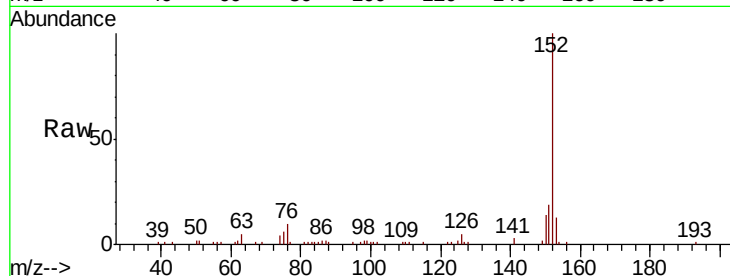
ClientSampleId :

OK-03-100719

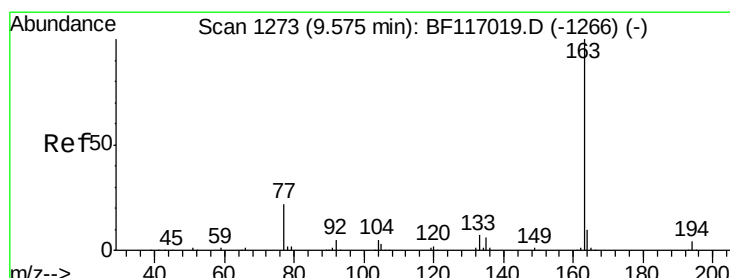
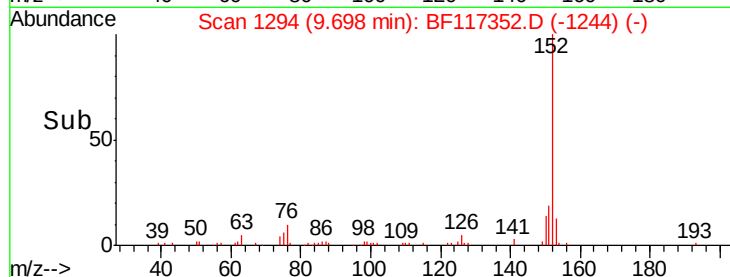
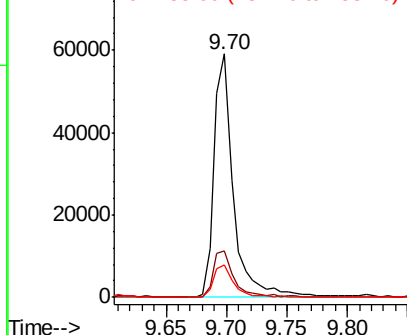
Tot Ion:	152	Resp:	65318
Ion Ratio	Lower	Upper	
152	100		
151	19.3	16.2	24.2
153	13.1	10.2	15.4

Manual Integrations
APPROVED

mohammad
10/11/2019 8:29:28 AM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 3.362 ng

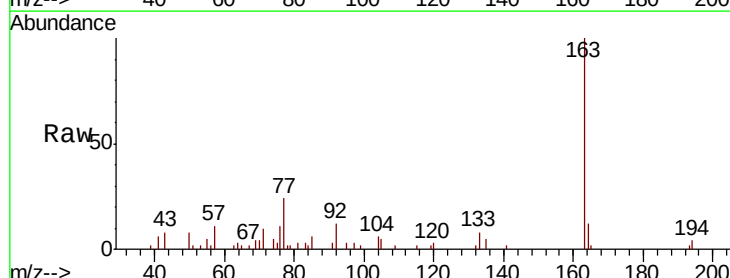
RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

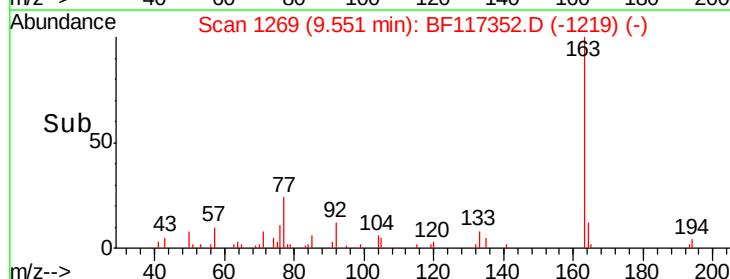
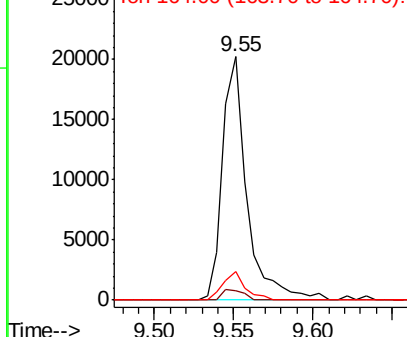
Lab File: BF117352.D

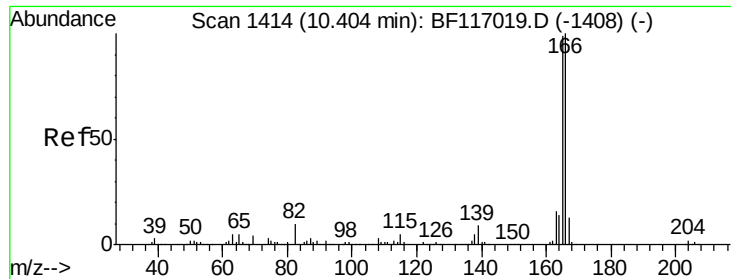
Acq: 8 Oct 2019 20:30

Tgt Ion:	163	Resp:	21653
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.9	4.3
164	11.5	8.2	12.4



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





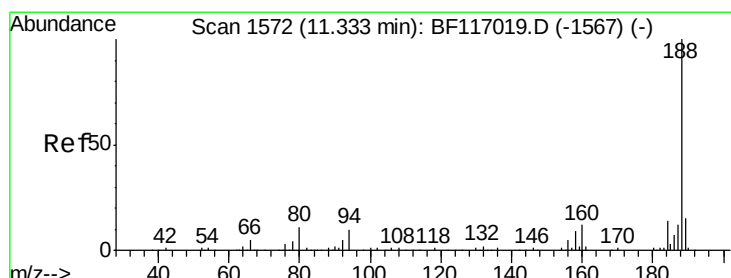
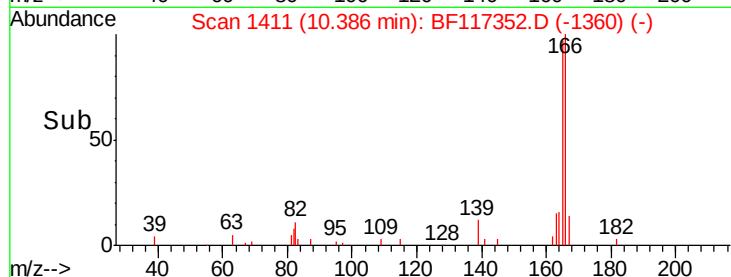
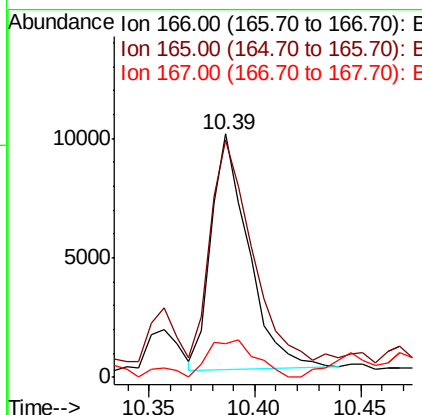
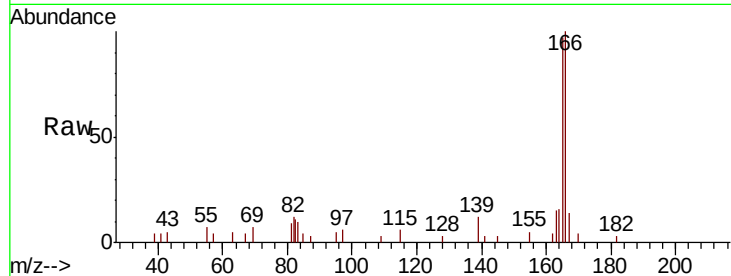
#58
 Fluorene
 Concen: 2.049 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: BF117352.D
 Acq: 8 Oct 2019 20:30

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-100719

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.9	118.3
167	13.8	10.6	15.8

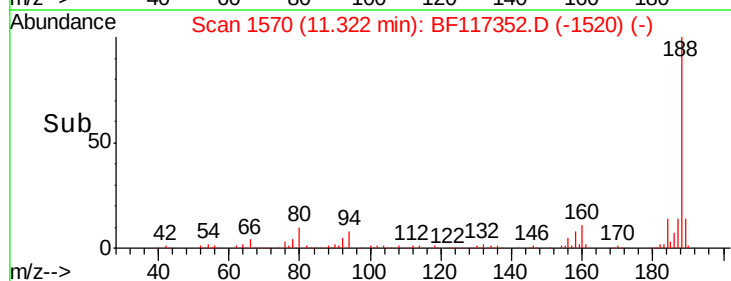
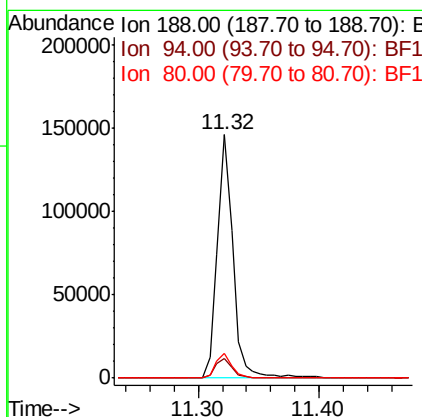
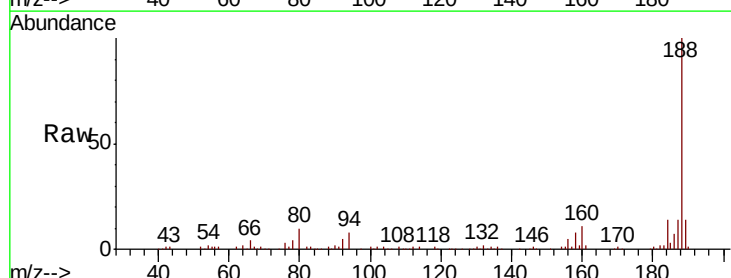
Manual Integrations
 APPROVED

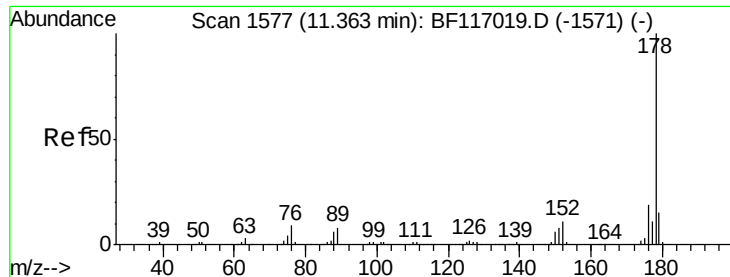
mohammad
 10/11/2019 8:29:28 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF117352.D
 Acq: 8 Oct 2019 20:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.2	12.2
80	10.1	9.0	13.6





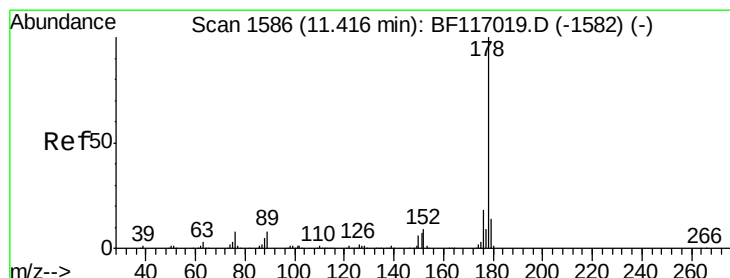
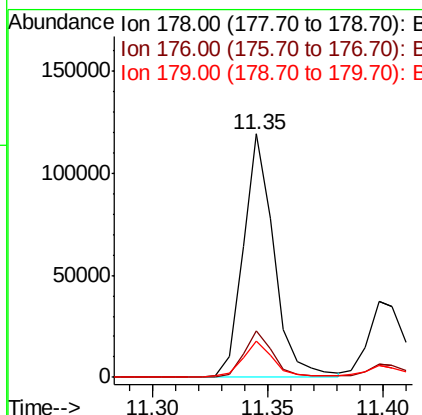
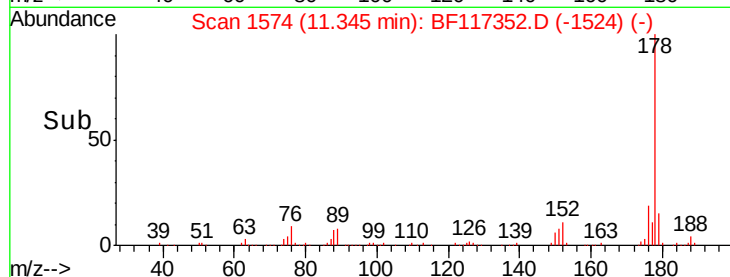
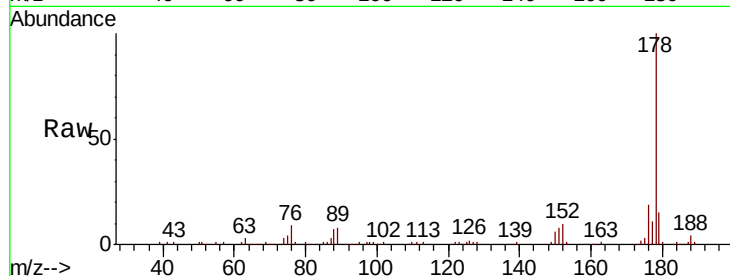
#71
Phenanthrene
Concen: 14.930 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Instrument :
BNA_F
ClientSampleId :
OK-03-100719

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	14.9	12.4	18.6

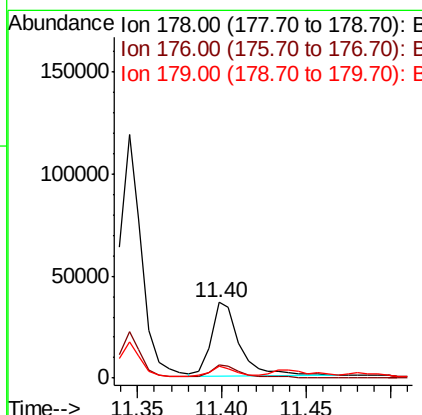
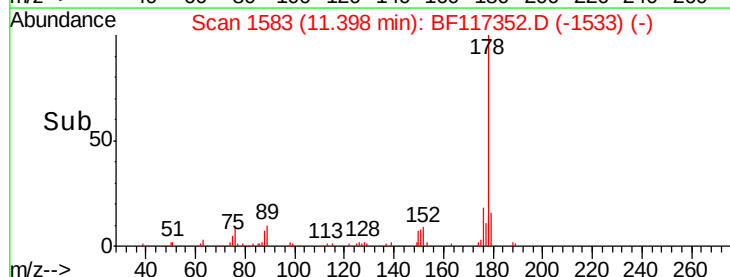
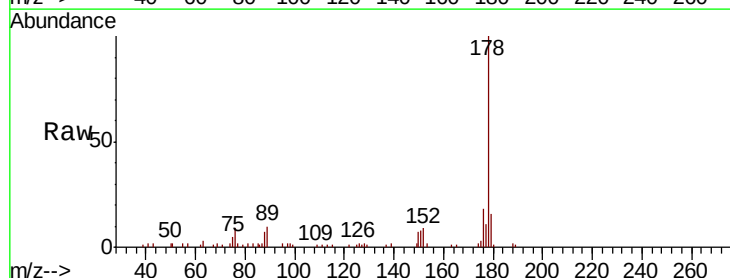
Manual Integrations
APPROVED

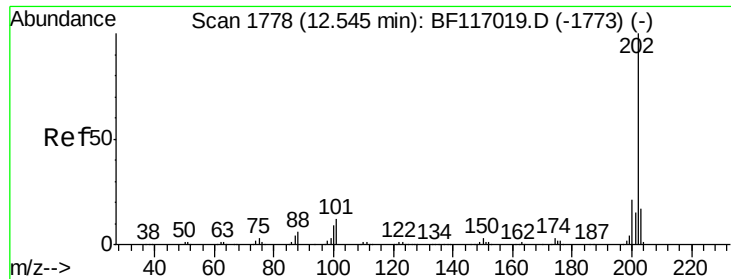
mohammad
10/11/2019 8:29:28 AM



#72
Anthracene
Concen: 5.809 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	16.3	11.6	17.4





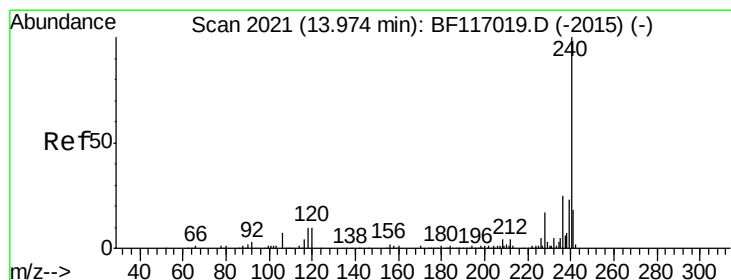
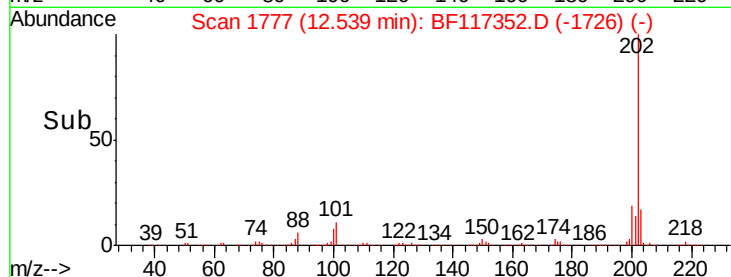
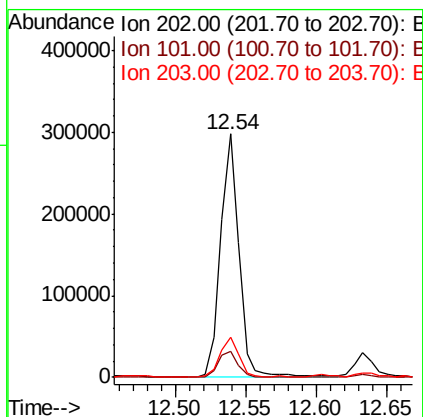
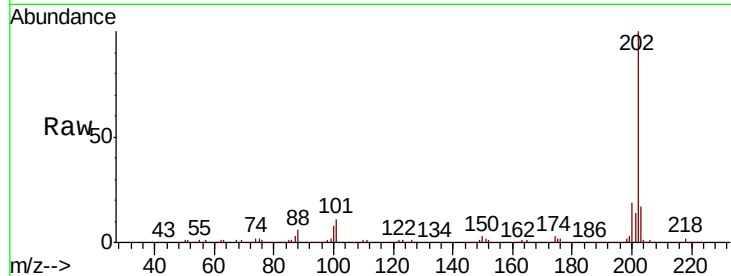
#75
Fluoranthene
Concen: 35.657 ng
RT: 12.54 min Scan# 1777
Delta R.T. 0.00 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Instrument :
BNA_F
ClientSampleId :
OK-03-100719

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.6	0.0	32.3
203	16.7	0.0	37.1

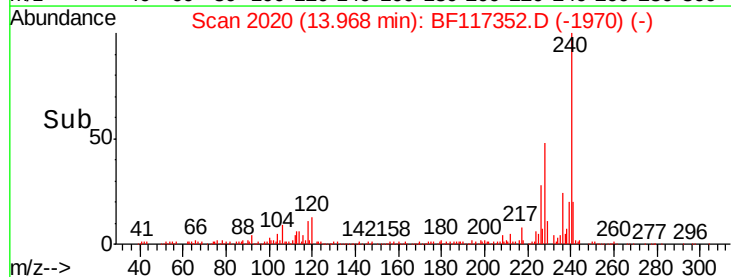
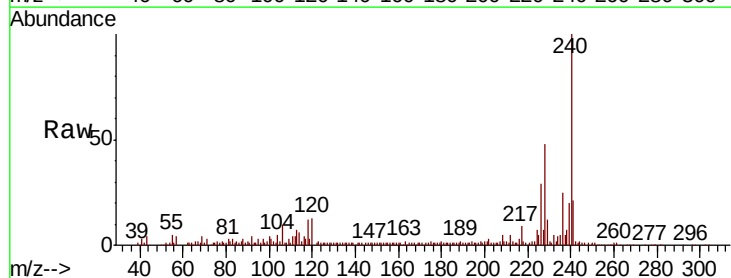
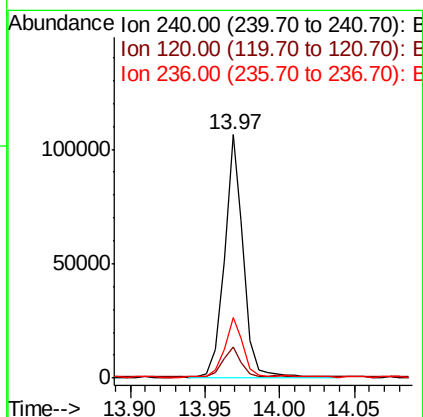
Manual Integrations
APPROVED

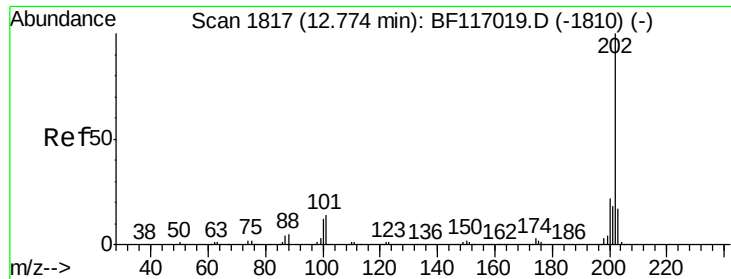
mohammad
10/11/2019 8:29:28 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.9	8.3	12.5#
236	24.9	20.3	30.5





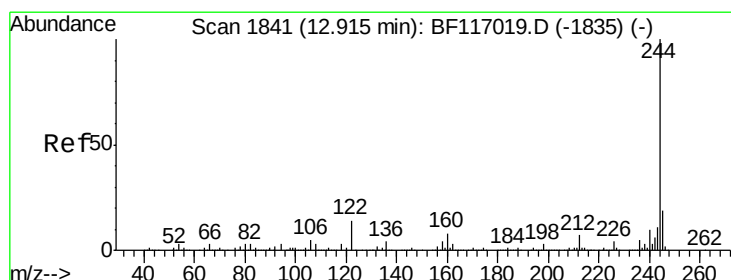
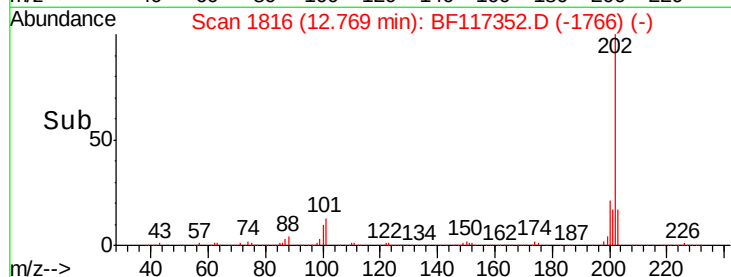
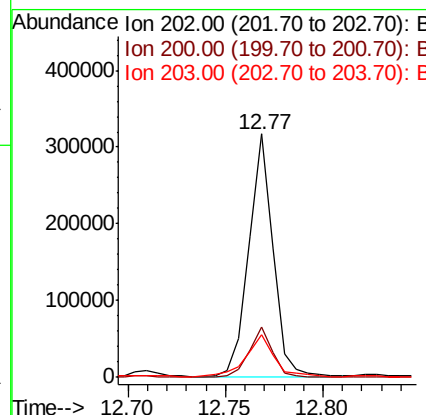
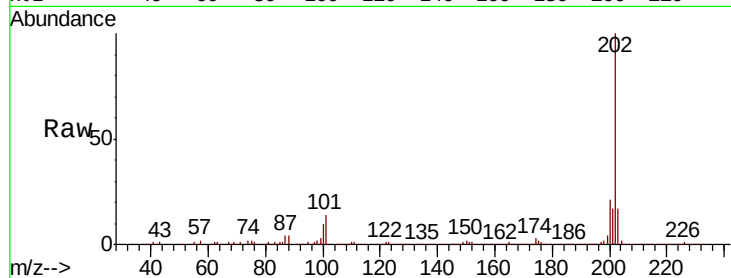
#78
Pvrene
Concen: 34.796 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Instrument :
BNA_F
ClientSampleId :
OK-03-100719

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.2	25.8
203	17.5	14.0	21.0

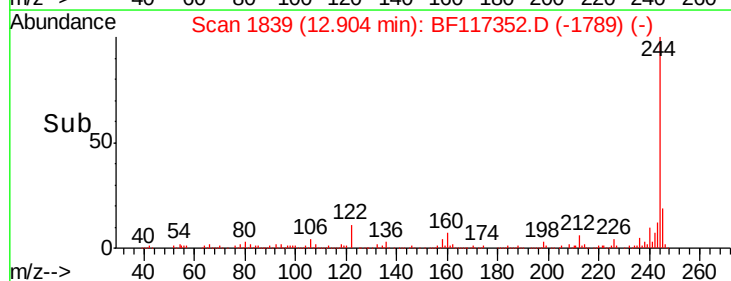
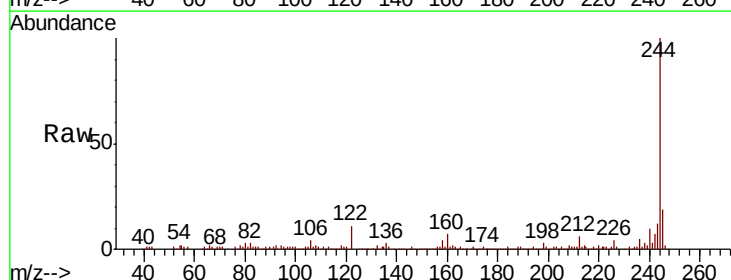
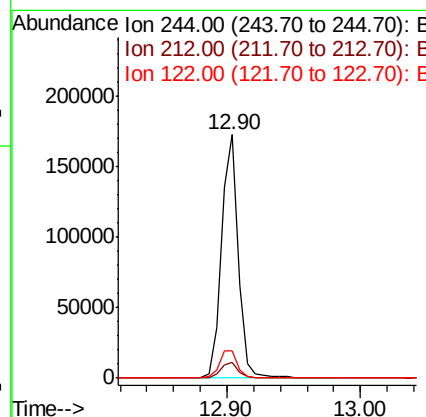
Manual Integrations
APPROVED

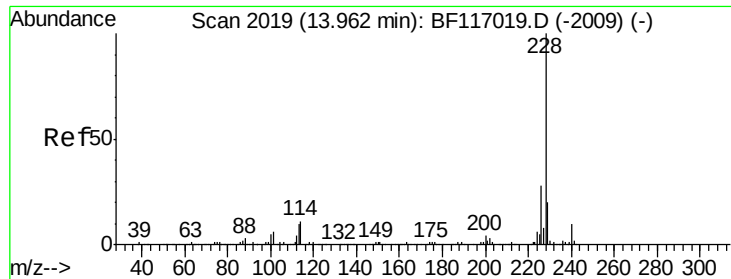
mohammad
10/11/2019 8:29:28 AM



#79
Terphenyl-d14
Concen: 30.708 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.8
122	11.2	11.3	16.9#





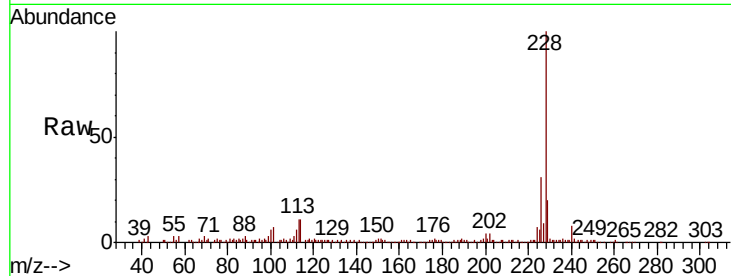
#81
Benzo(a)anthracene
Concen: 26.267 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Instrument :
BNA_F
ClientSampleId :
OK-03-100719

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.3	33.5
229	20.3	15.9	23.9

Manual Integrations
APPROVED

mohammad
10/11/2019 8:29:28 AM

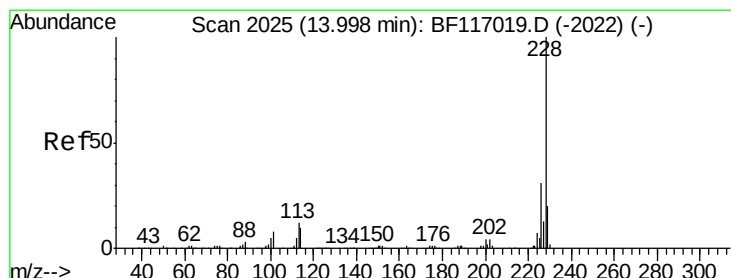
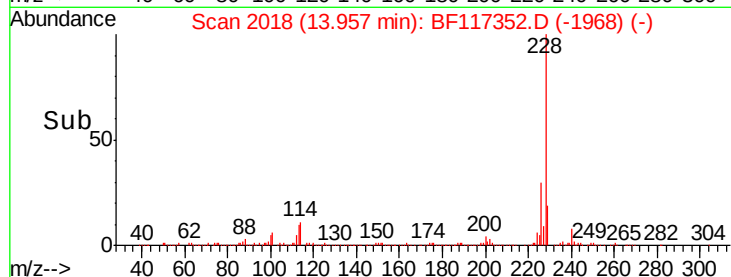
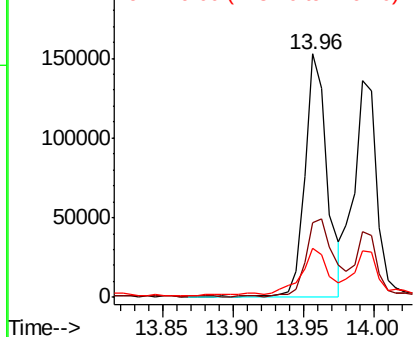


Abundance

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: 24.798 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

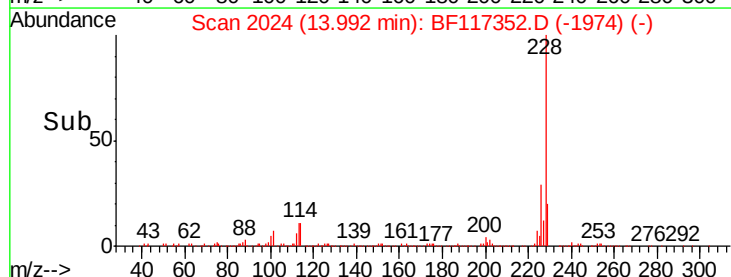
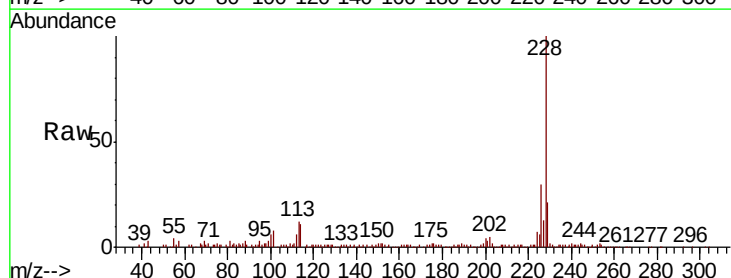
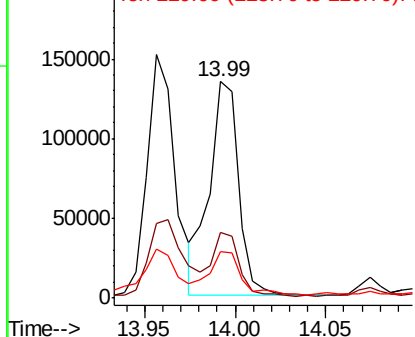
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.8	37.2
229	21.3	15.8	23.8

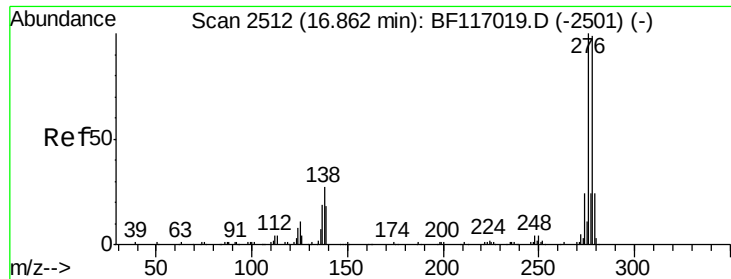
Abundance

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





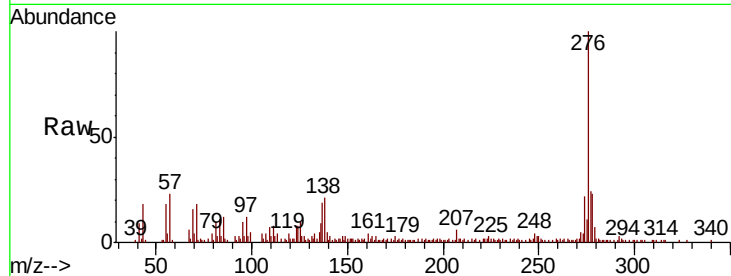
#86
Indeno(1,2,3-cd)pyrene
Concen: 17.249 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Instrument :
BNA_F
ClientSampleId :
OK-03-100719

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	20.7	31.1
277	22.5	19.8	29.8

Manual Integrations
APPROVED

mohammad
10/11/2019 8:29:28 AM

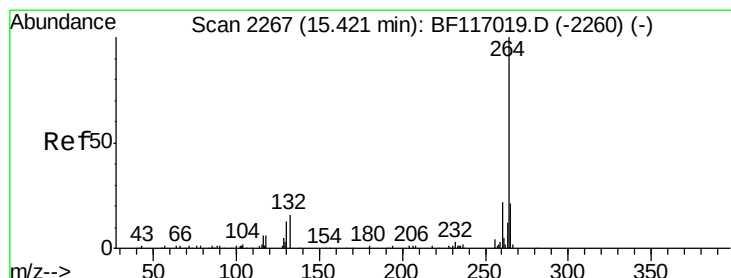
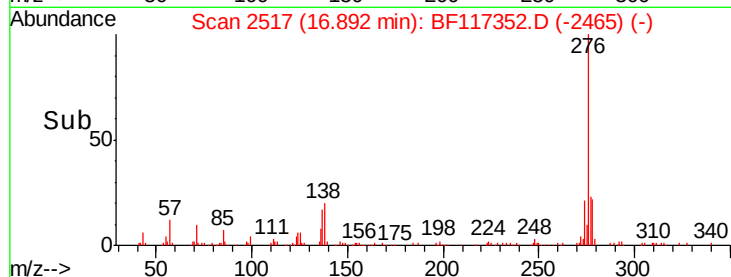
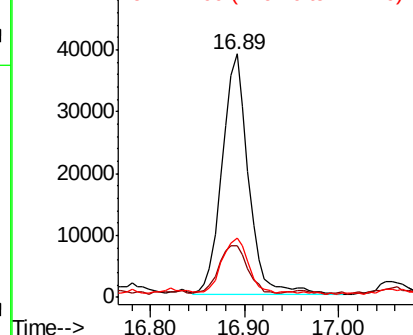


Abundance

Ion 276.00 (275.70 to 276.70): E

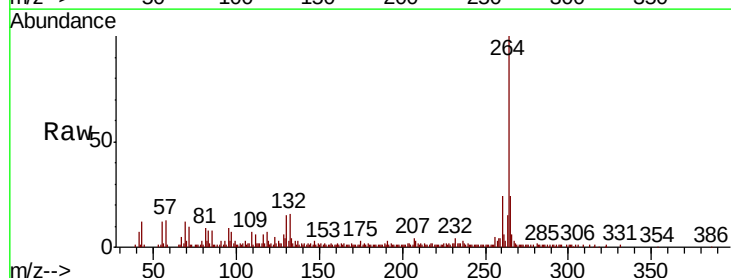
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.6	26.4
265	23.6	16.6	24.8

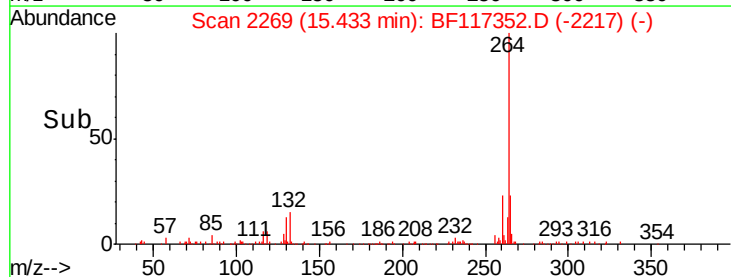
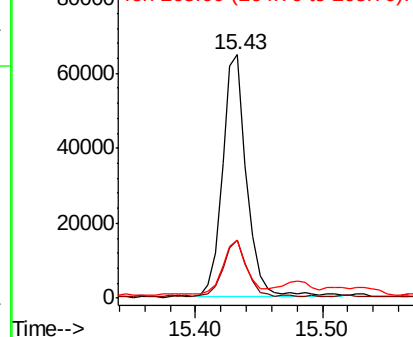


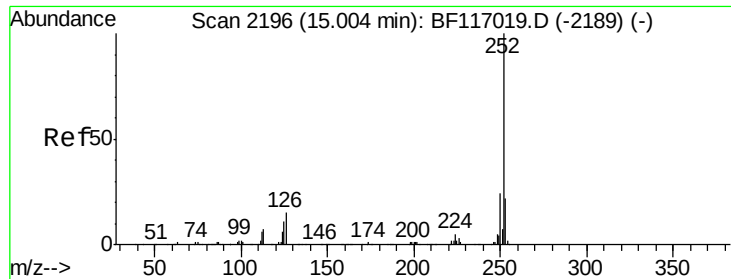
Abundance

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





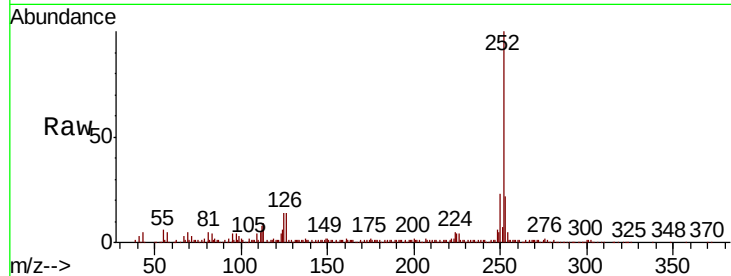
#88
Benzo(b)fluoranthene
Concen: 38.425 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Instrument :
BNA_F
ClientSampleId :
OK-03-100719

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	13.7	8.6	12.8#

Manual Integrations
APPROVED

mohammad
10/11/2019 8:29:28 AM

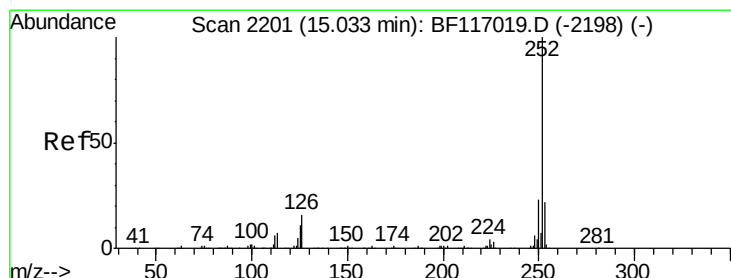
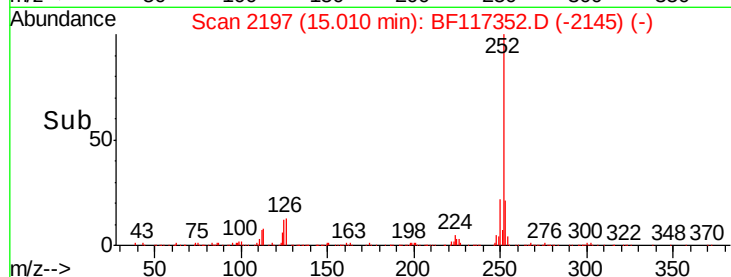
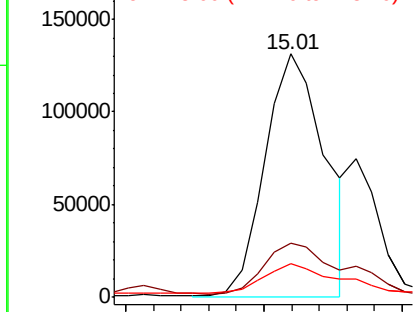


Abundance

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



#89
Benzo(k)fluoranthene
Concen: 12.287 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

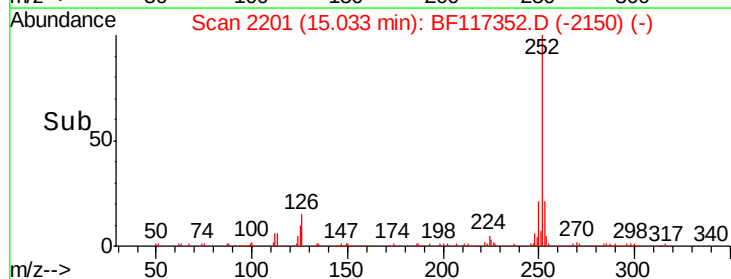
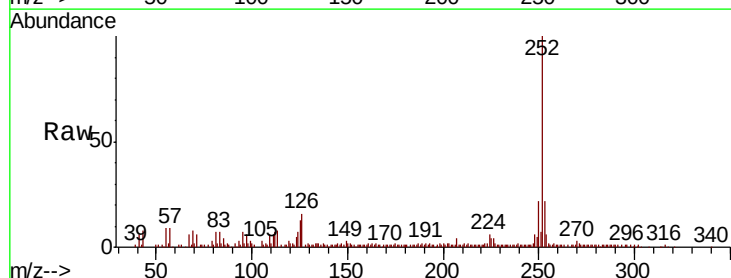
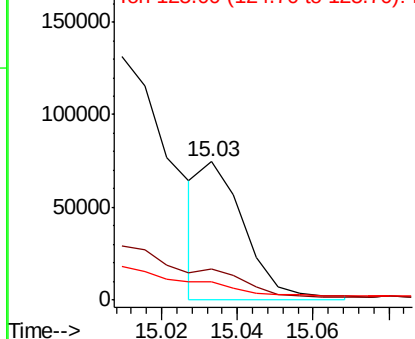
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	13.3	8.8	13.2#

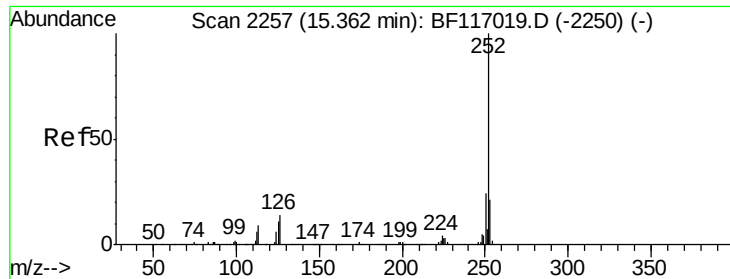
Abundance

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: 29.009 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.01 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

Instrument :

BNA_F

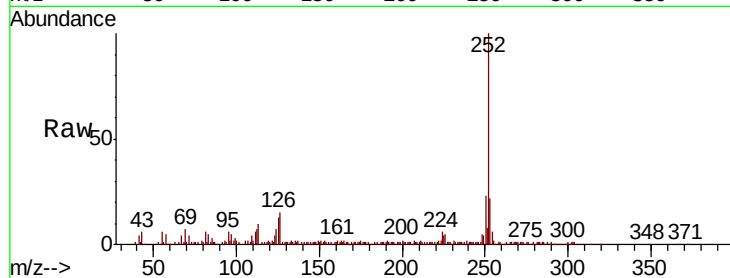
ClientSampled :

OK-03-100719

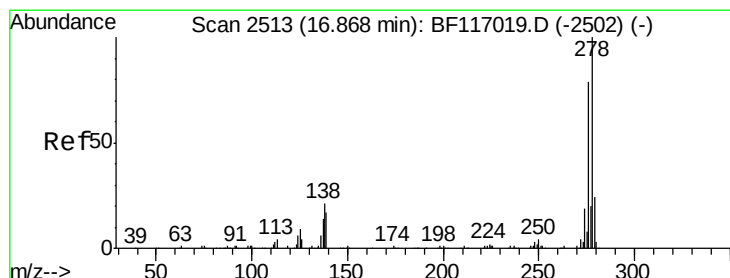
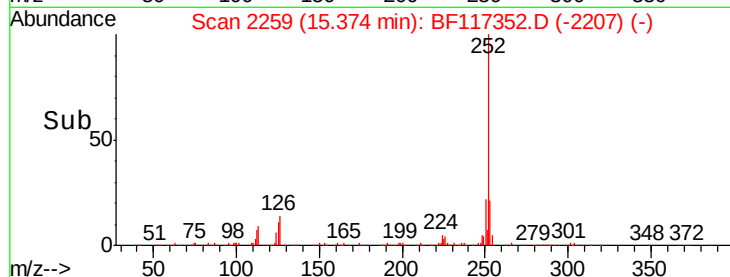
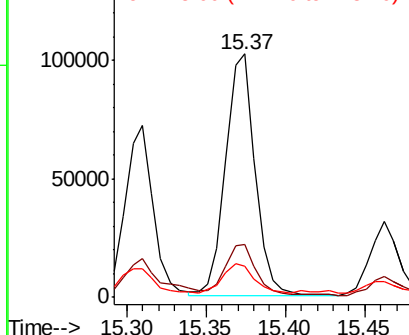
Tot Ion:	252	Resp:	131644
Ion Ratio	Lower	Upper	
252	100		
253	21.9	16.6	25.0
125	12.8	8.9	13.3

Manual Integrations
APPROVED

mohammad
10/11/2019 8:29:28 AM



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



#91

Dibenzo(a,h)anthracene

Concen: 5.091 ng

RT: 16.89 min Scan# 2517

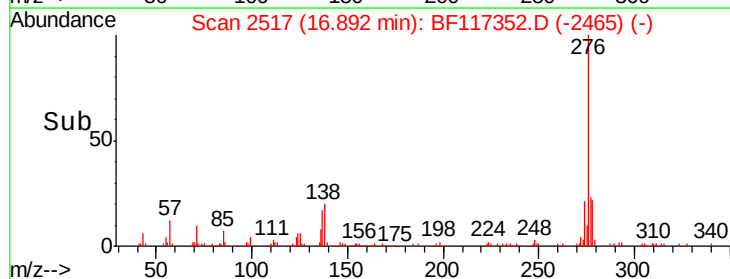
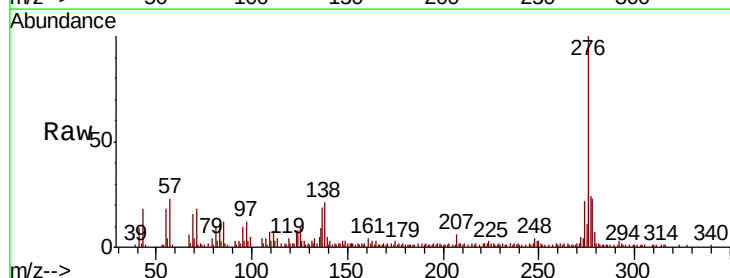
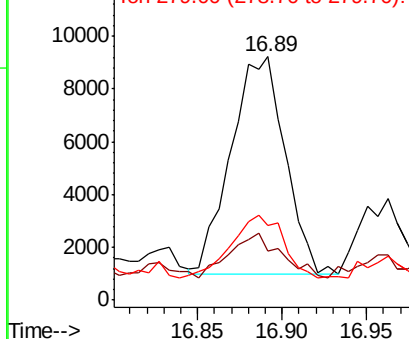
Delta R.T. 0.01 min

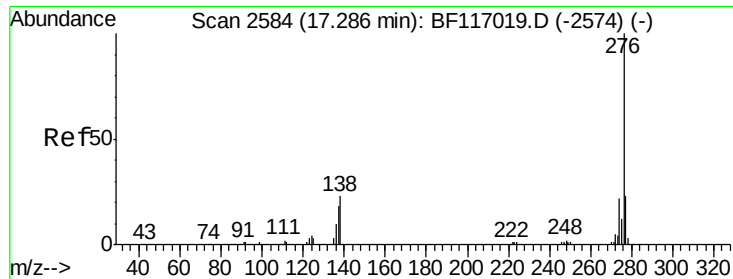
Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

Tgt Ion:	278	Resp:	18404
Ion Ratio	Lower	Upper	
278	100		
139	20.3	13.5	20.3#
279	30.7	18.8	28.2#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 18.203 ng
 RT: 17.33 min Scan# 2592
 Delta R.T. 0.01 min
 Lab File: BF117352.D
 Acq: 8 Oct 2019 20:30

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-100719

Tot Ion:	276	Resp:	65576
Ion Ratio		Lower	Upper
276	100		
277	24.6	18.6	27.8
138	23.6	18.0	27.0

Manual Integrations
 APPROVED

mohammad
 10/11/2019 8:29:28 AM

