

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013120\
 Data File : BF118775.D
 Acq On : 31 Jan 2020 12:11
 Operator : CG/JU
 Sample : L1318-13
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAINEY-PARK-BH-05-A

Manual Integrations
 APPROVED

mohammad
 2/3/2020 4:10:12 PM

Quant Time: Jan 31 22:21:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 27 14:24:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	300750	20.00	ng	-0.04
21) Naphthalene-d8	8.11	136	1151754	20.00	ng	-0.04
39) Acenaphthene-d10	9.86	164	653097	20.00	ng	-0.04
64) Phenanthrene-d10	11.35	188	1237485	20.00	ng	-0.04
76) Chrysene-d12	13.99	240	798585	20.00	ng	-0.04
87) Perylene-d12	15.43	264	704690	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1489190	91.96	ng	-0.03
7) Phenol-d6	6.46	99	1852256	88.01	ng	-0.04
23) Nitrobenzene-d5	7.39	82	1231737	59.82	ng	-0.04
42) 2,4,6-Tribromophenol	10.65	330	708239	93.76	ng	-0.04
45) 2-Fluorobiphenyl	9.19	172	2278600	57.34	ng	-0.04
79) Terphenyl-d14	12.93	244	2611527	71.33	ng	-0.03
Target Compounds						
50) Dimethylphthalate	9.57	163	94969	2.232	ng	99
75) Fluoranthene	12.56	202	225108	3.575	ng	96
78) Pyrene	12.79	202	215521	3.975	ng	97
81) Benzo(a)anthracene	13.97	228	104428	2.174	ng	99
83) Chrysene	14.01	228	104953	2.280	ng	98
88) Benzo(b)fluoranthene	15.02	252	133112m	3.005	ng	
90) Benzo(a)pyrene	15.37	252	79478	2.080	ng	# 96

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

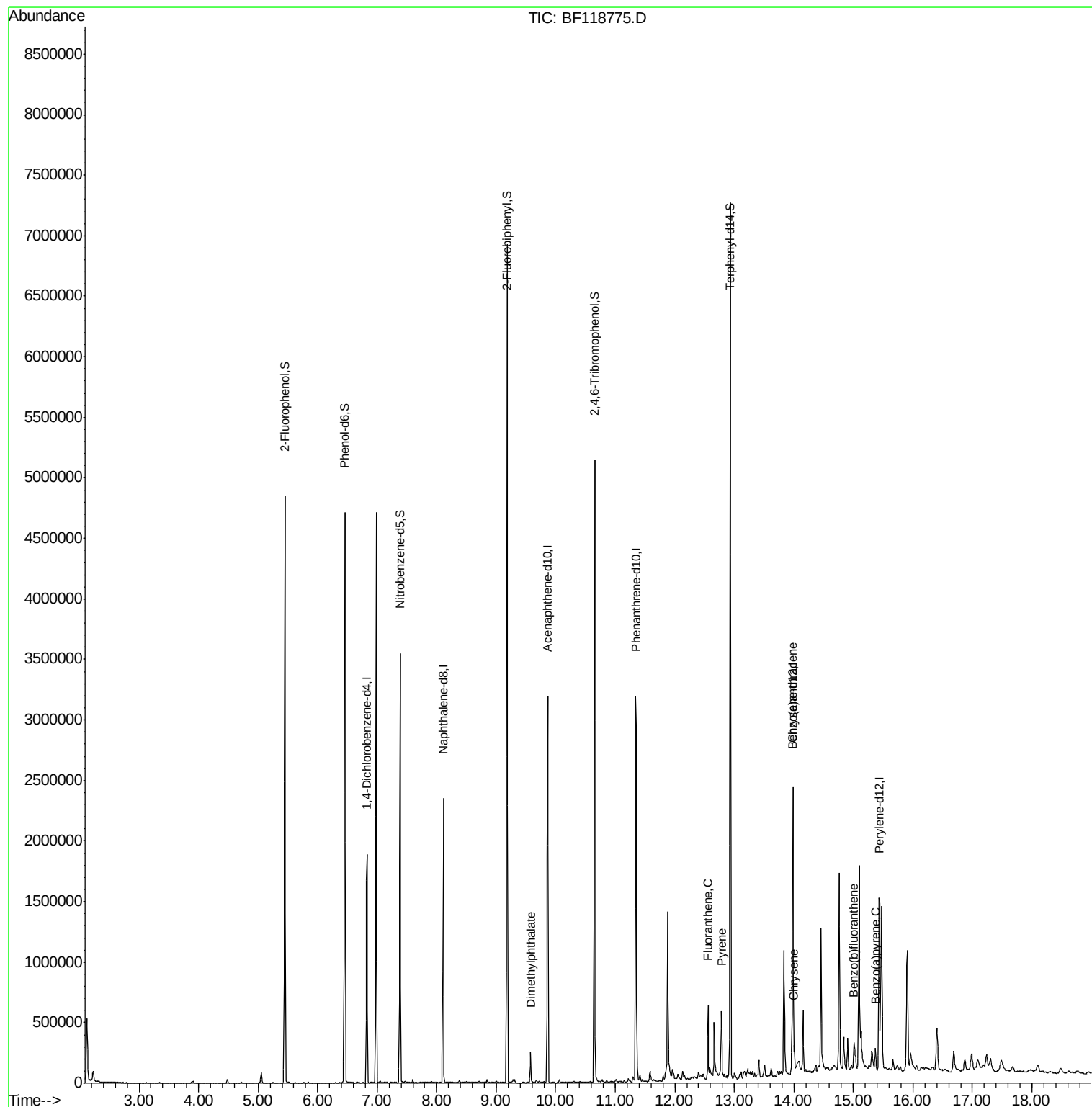
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013120\
Data File : BF118775.D
Acq On : 31 Jan 2020 12:11
Operator : CG/JU
Sample : L1318-13
Misc :
ALS Vial : 3 Sample Multiplier: 1

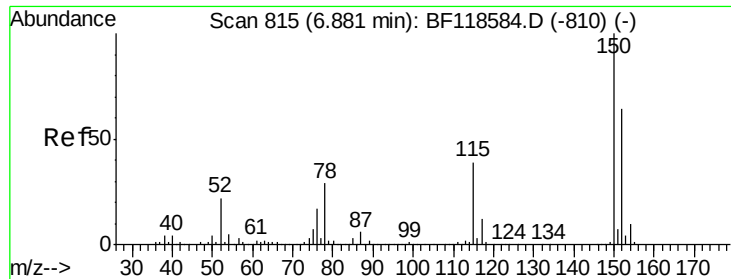
Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-05-A

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:12 PM

Quant Time: Jan 31 22:21:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 27 14:24:10 2020
Response via : Initial Calibration





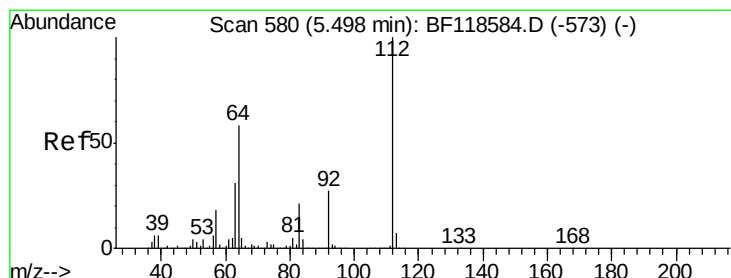
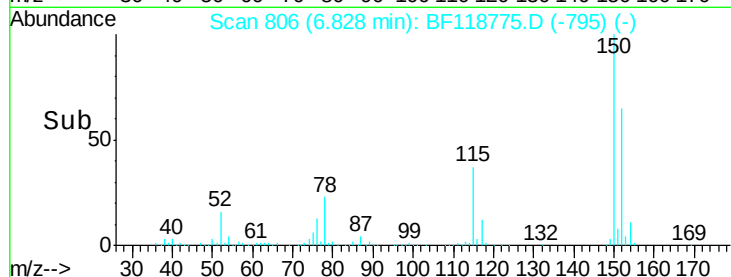
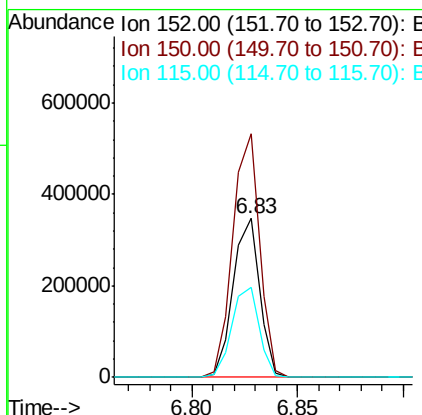
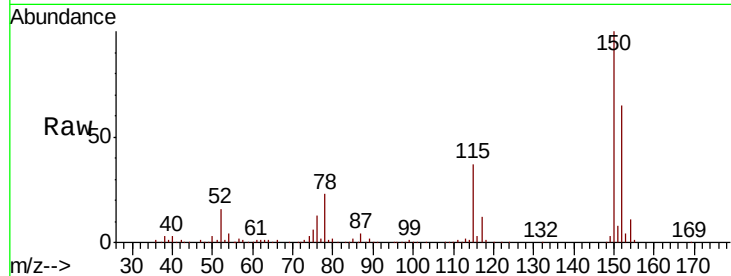
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.04 min
 Lab File: BF118775.D
 Acq: 31 Jan 2020 12:11

Instrument :
 BNA_F
 ClientSampleId :
 RAINEY-PARK-BH-05-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	123.7	185.5
115	56.8	45.1	67.7

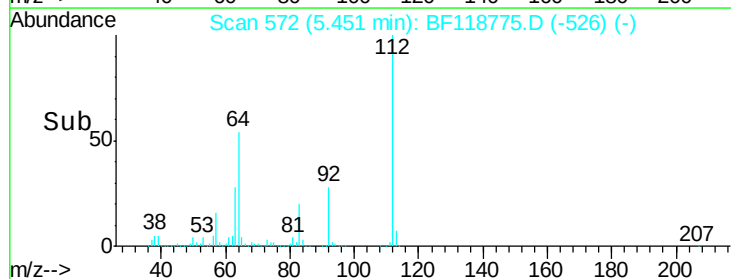
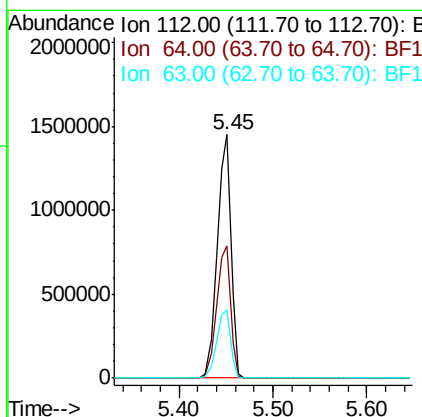
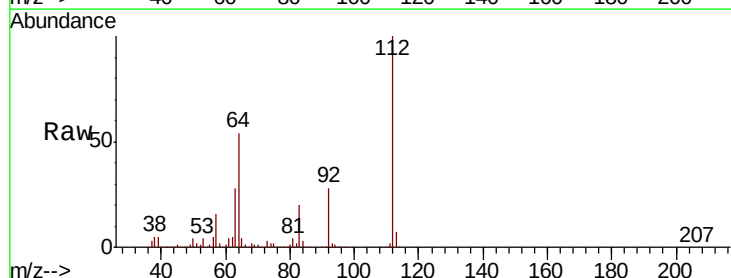
Manual Integrations
 APPROVED

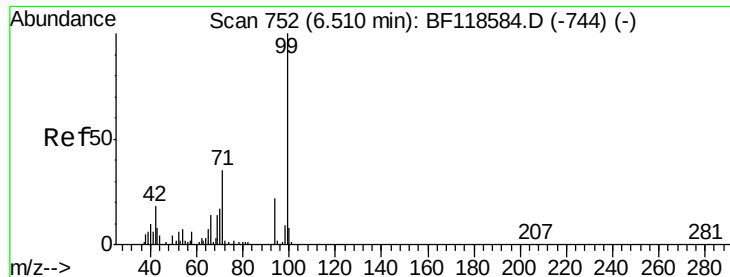
mohammad
 2/3/2020 4:10:12 PM



#5
 2-Fluorophenol
 Concen: 91.964 ng
 RT: 5.45 min Scan# 572
 Delta R.T. -0.03 min
 Lab File: BF118775.D
 Acq: 31 Jan 2020 12:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	42.4	63.6
63	28.2	21.7	32.5





#7

Phenol-d6

Concen: 88.005 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.04 min

Lab File: BF118775.D

Acq: 31 Jan 2020 12:11

Instrument :

BNA_F

ClientSampleId :

RAINEY-PARK-BH-05-A

Tot Ion: 99 Resp: 1852256

Ion Ratio Lower Upper

99 100

42 16.8 13.1 19.7

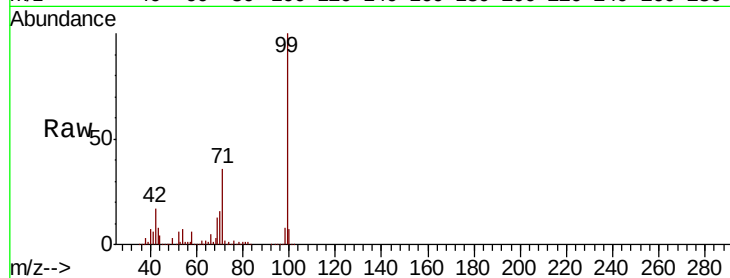
71 36.0 28.4 42.6

Manual Integrations

APPROVED

mohammad

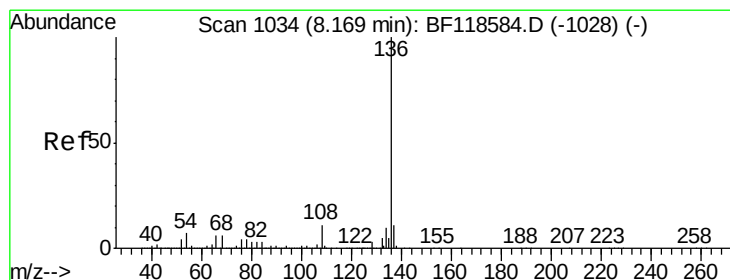
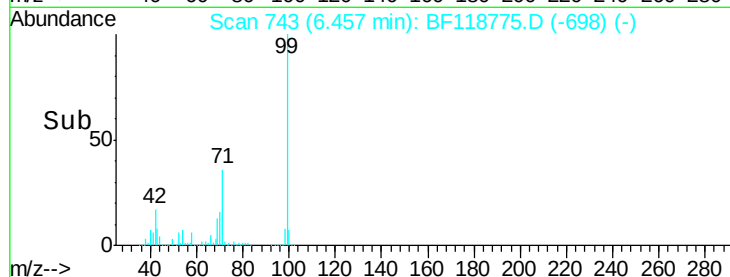
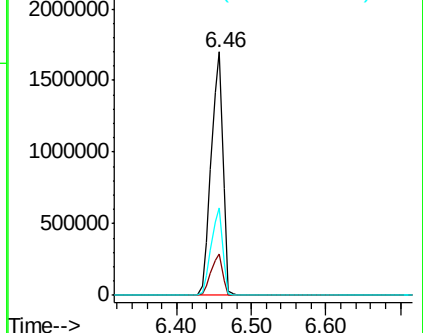
2/3/2020 4:10:12 PM



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: 8.11 min Scan# 1024

Delta R.T. -0.04 min

Lab File: BF118775.D

Acq: 31 Jan 2020 12:11

Tgt Ion: 136 Resp: 1151754

Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.1 5.1 7.7

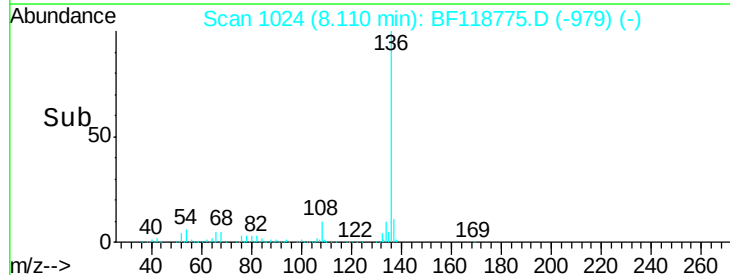
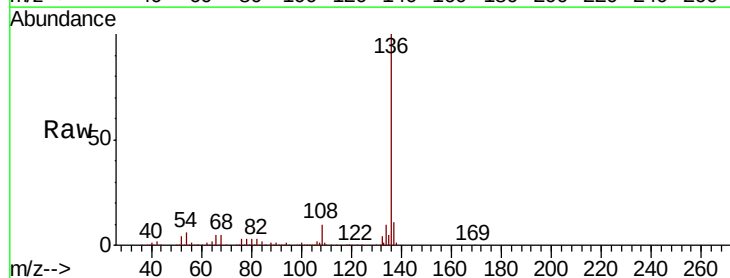
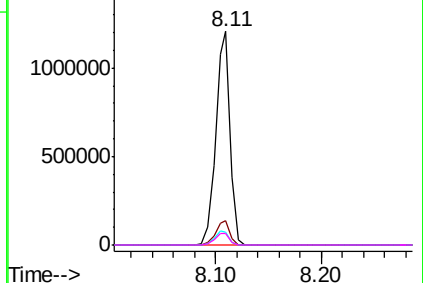
68 5.4 4.3 6.5

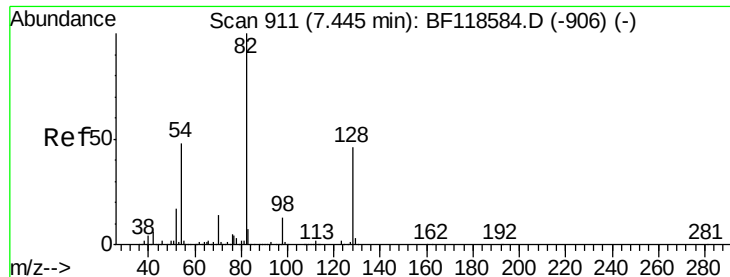
Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.818 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.04 min

Lab File: BF118775.D

Acq: 31 Jan 2020 12:11

Instrument :

BNA_F

ClientSampleId :

RAINEY-PARK-BH-05-A

Tot Ion: 82 Resp: 1231737

Ion Ratio Lower Upper

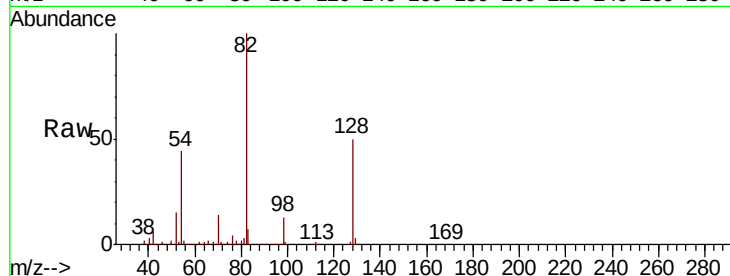
82 100

128 49.8 38.2 57.2

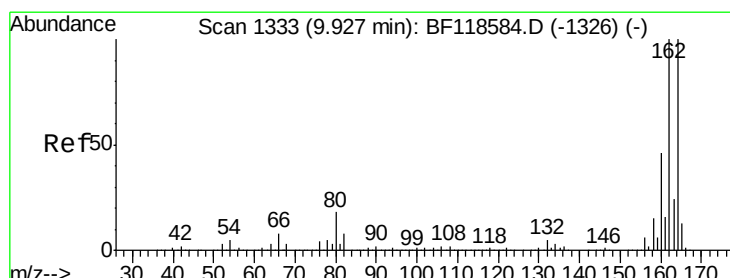
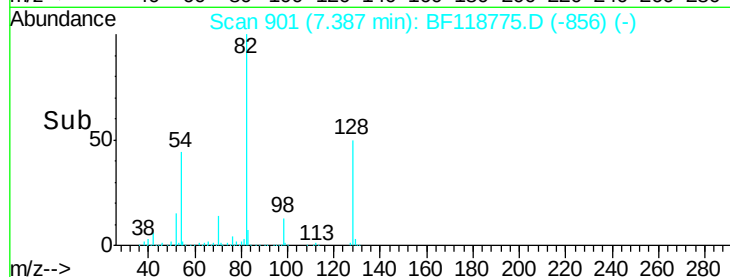
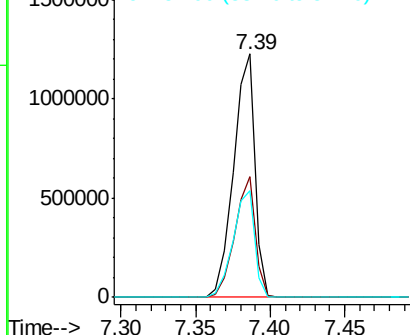
54 43.9 36.1 54.1

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:12 PM



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: 9.86 min Scan# 1322

Delta R.T. -0.04 min

Lab File: BF118775.D

Acq: 31 Jan 2020 12:11

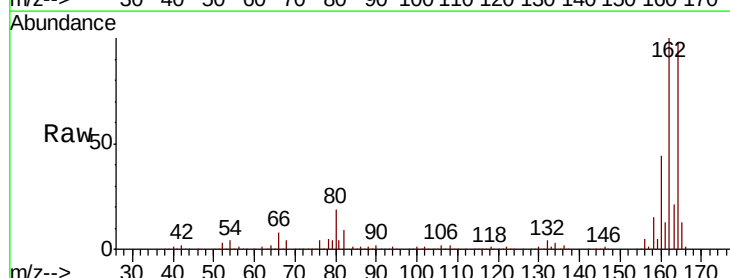
Tgt Ion: 164 Resp: 653097

Ion Ratio Lower Upper

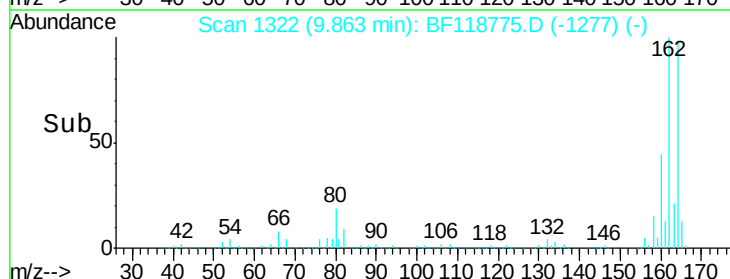
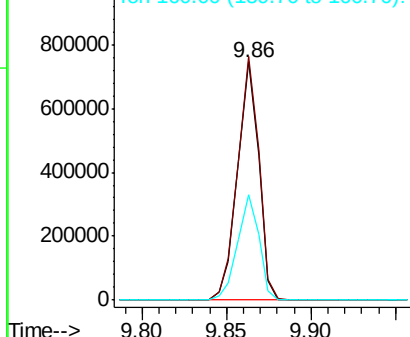
164 100

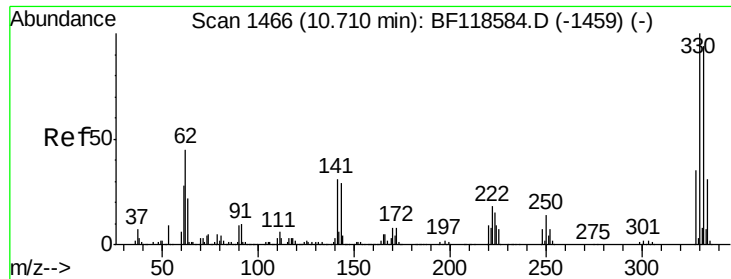
162 102.2 80.8 121.2

160 44.5 35.4 53.0



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





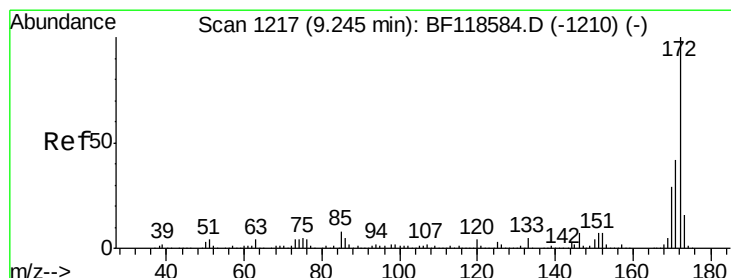
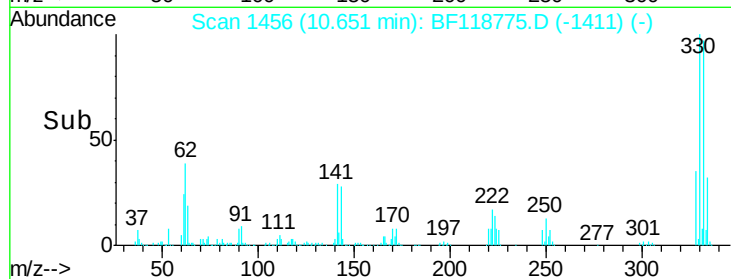
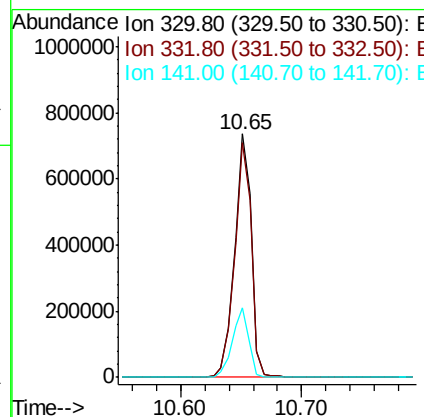
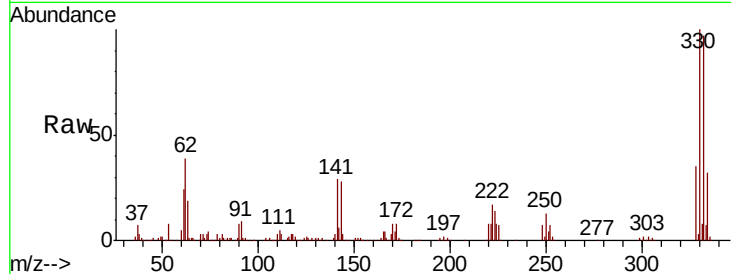
#42
 2,4,6-Tribromophenol
 Concen: 93.758 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.04 min
 Lab File: BF118775.D
 Acq: 31 Jan 2020 12:11

Instrument :
 BNA_F
 ClientSampleId :
 RAINEY-PARK-BH-05-A

Tot Ion:	330	Resp:	708239
Ion Ratio	Lower	Upper	
330	100		
332	97.0	77.6	116.4
141	27.9	22.2	33.2

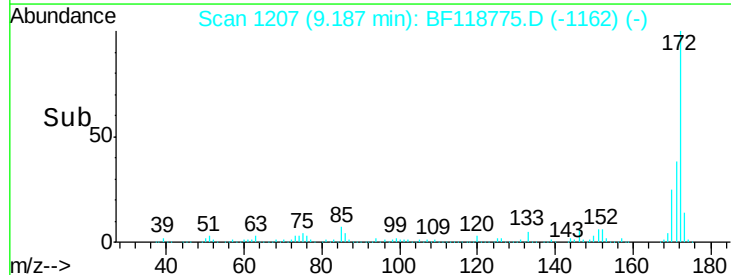
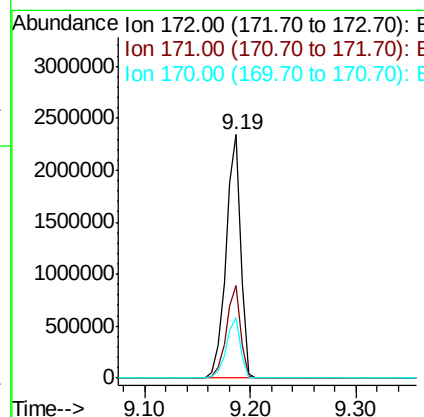
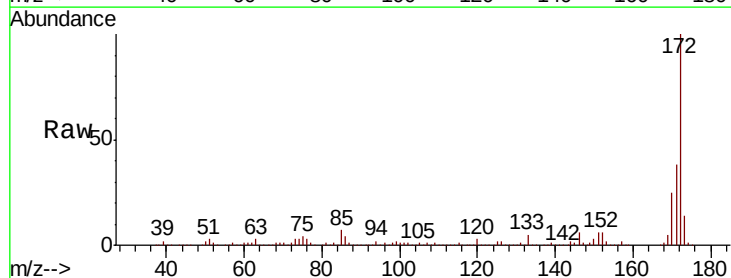
Manual Integrations
 APPROVED

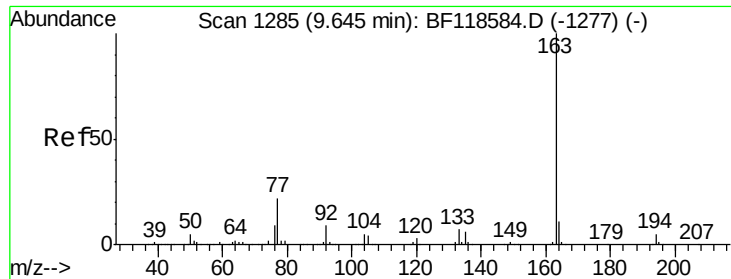
mohammad
 2/3/2020 4:10:12 PM



#45
 2-Fluorobiphenyl
 Concen: 57.344 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.04 min
 Lab File: BF118775.D
 Acq: 31 Jan 2020 12:11

Tgt Ion:	172	Resp:	2278600
Ion Ratio	Lower	Upper	
172	100		
171	37.8	31.0	46.4
170	24.8	20.7	31.1





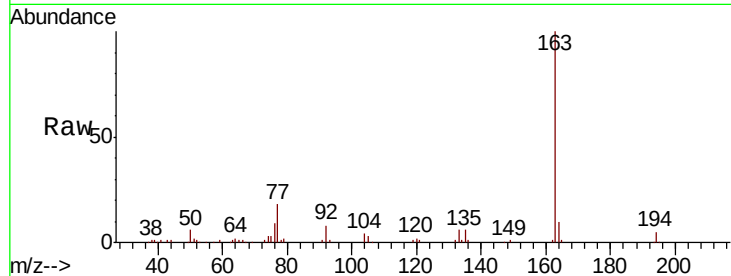
#50
Dimethylphthalate
Concen: 2.232 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.05 min
Lab File: BF118775.D
Acq: 31 Jan 2020 12:11

Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-05-A

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.7	5.5
164	9.8	8.2	12.2

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:12 PM

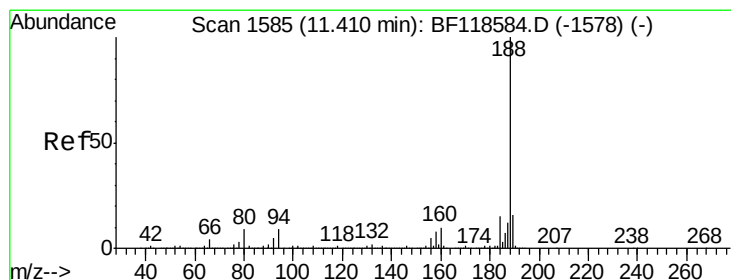
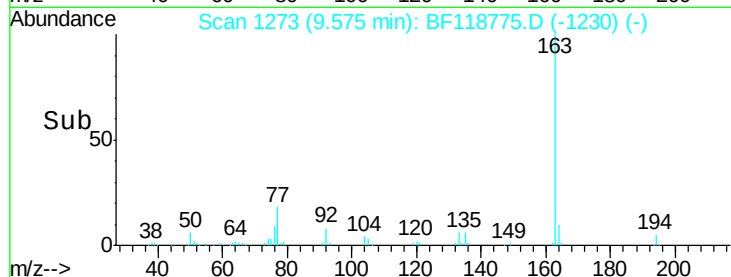
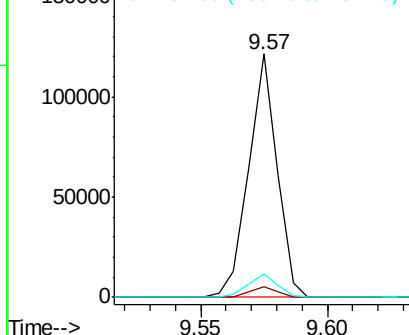


Abundance

Ion 163.00 (162.70 to 163.70): E

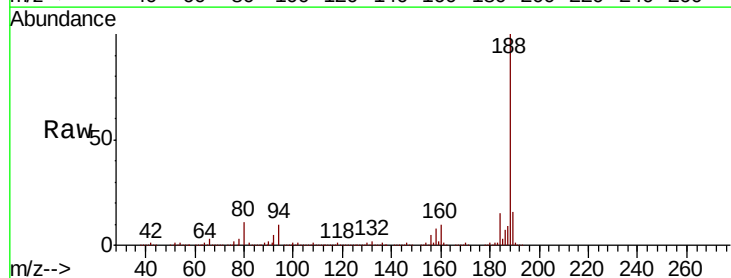
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.04 min
Lab File: BF118775.D
Acq: 31 Jan 2020 12:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.4	11.2
80	10.9	7.8	11.8

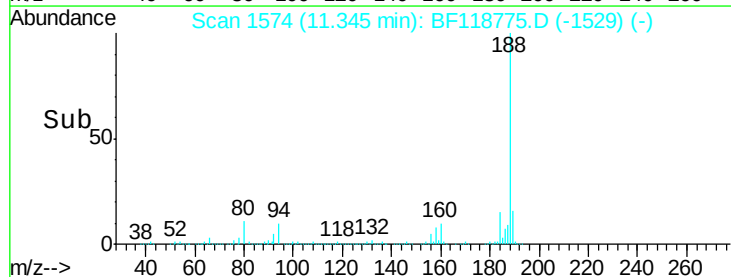
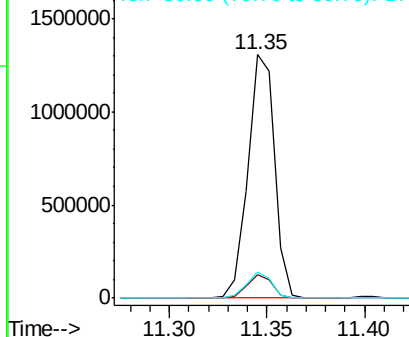


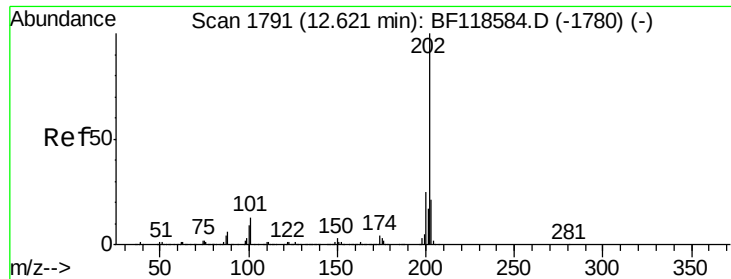
Abundance

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





#75

Fluoranthene

Concen: 3.575 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.04 min

Lab File: BF118775.D

Acq: 31 Jan 2020 12:11

Instrument :

BNA_F

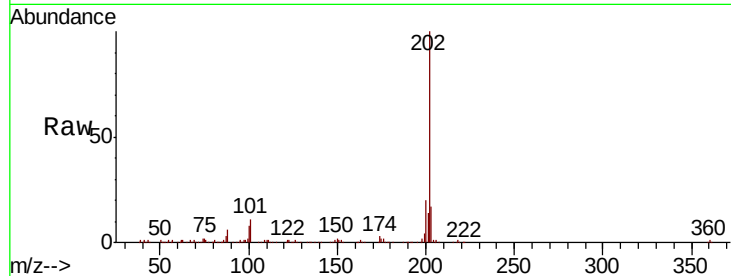
ClientSampleId :

RAINEY-PARK-BH-05-A

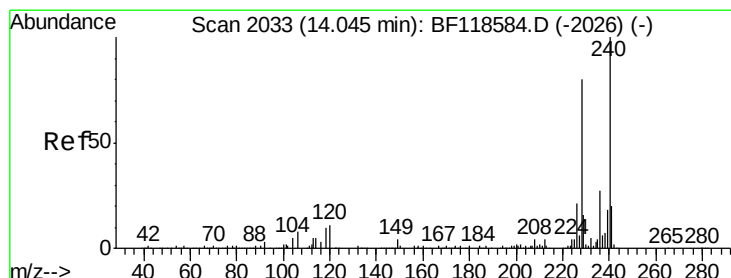
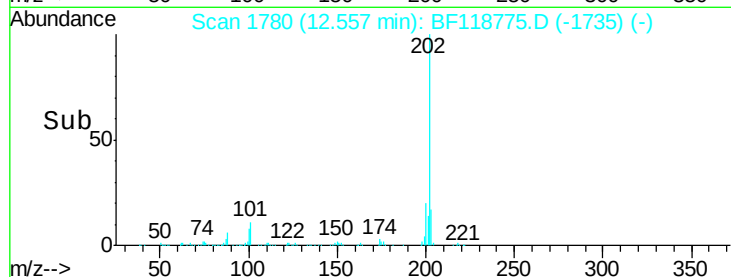
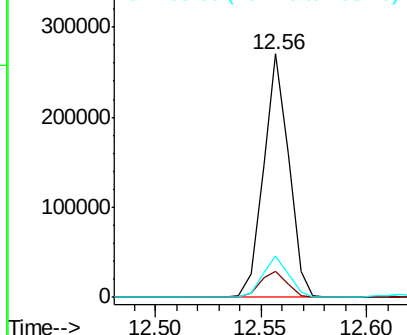
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.8	0.0	32.1
203	17.1	0.0	38.9

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:12 PM



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



#76

Chrysene-d12

Concen: 20.000 ng

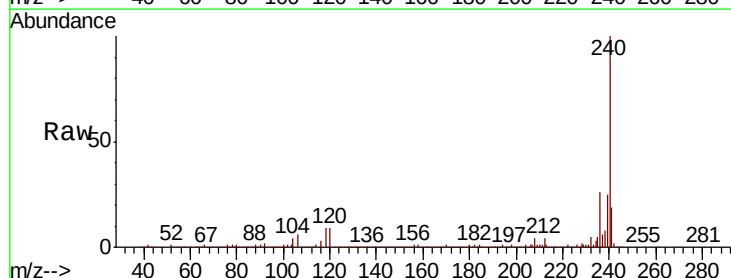
RT: 13.99 min Scan# 2023

Delta R.T. -0.04 min

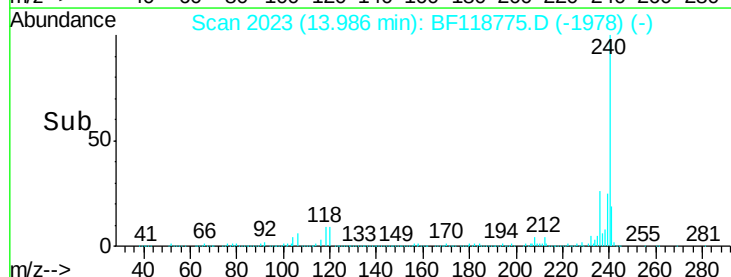
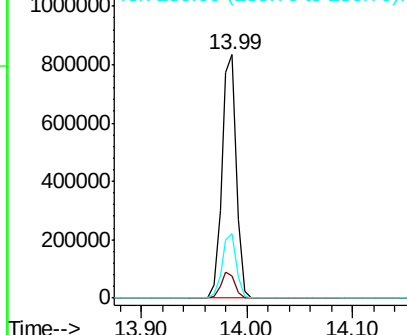
Lab File: BF118775.D

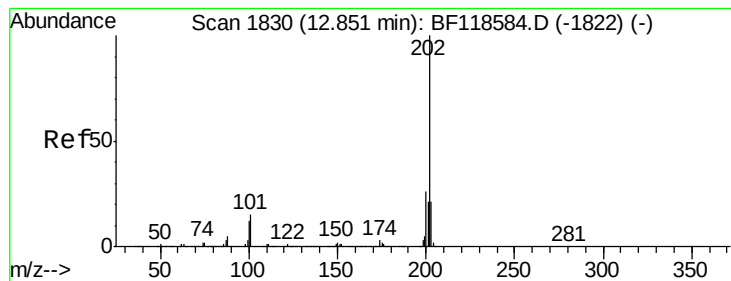
Acq: 31 Jan 2020 12:11

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.3	7.6	11.4
236	26.4	21.0	31.4



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: 3.975 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.04 min

Lab File: BF118775.D

Acq: 31 Jan 2020 12:11

Instrument :

BNA_F

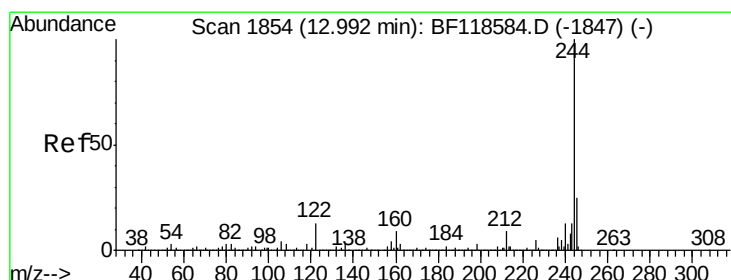
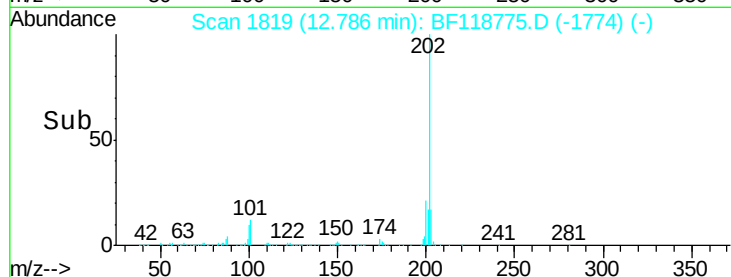
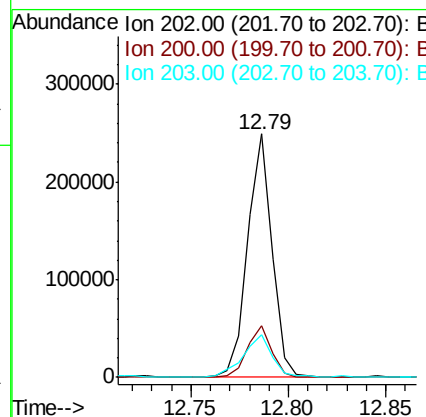
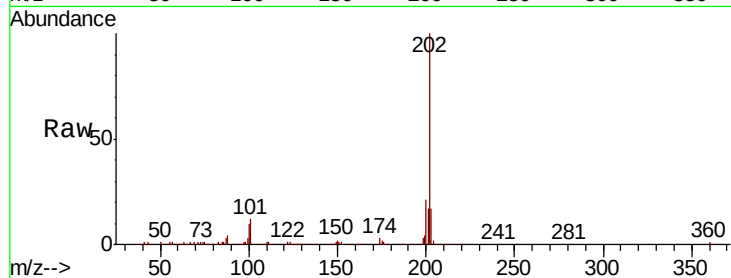
ClientSampleId :

RAINEY-PARK-BH-05-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	18.1	27.1
203	17.4	15.2	22.8

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:12 PM



#79

Terphenyl-d14

Concen: 71.326 ng

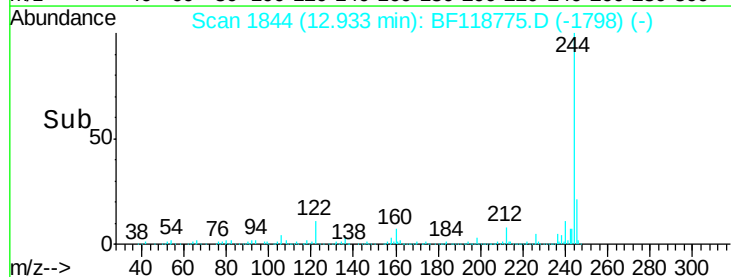
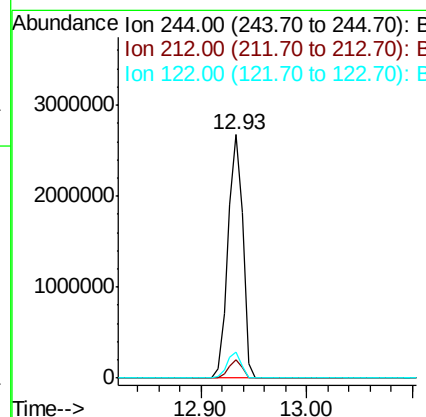
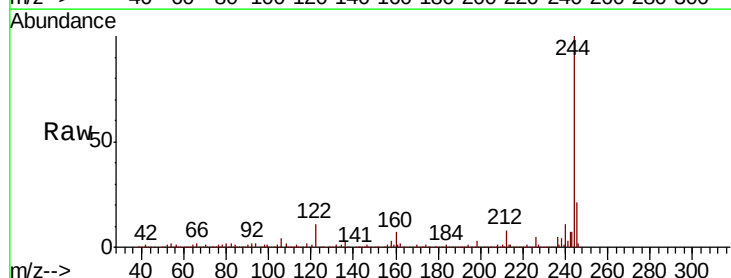
RT: 12.93 min Scan# 1844

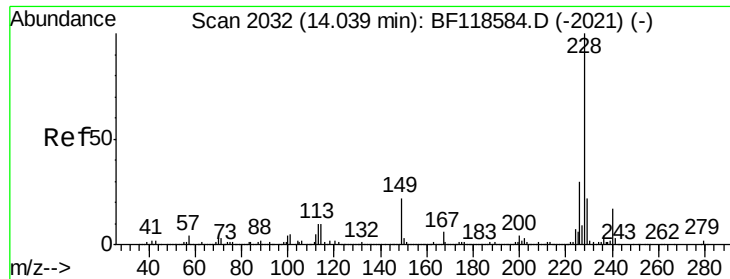
Delta R.T. -0.03 min

Lab File: BF118775.D

Acq: 31 Jan 2020 12:11

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.5	6.3	9.5
122	10.9	9.2	13.8





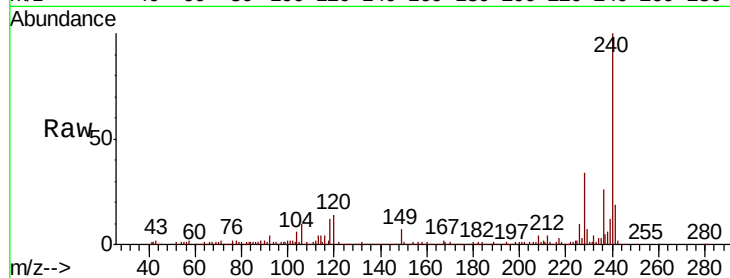
#81
Benzo(a)anthracene
Concen: 2.174 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.04 min
Lab File: BF118775.D
Acq: 31 Jan 2020 12:11

Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-05-A

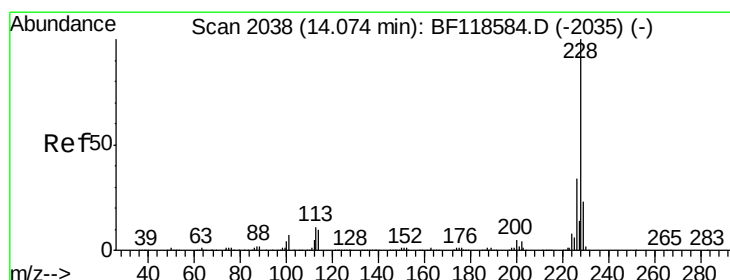
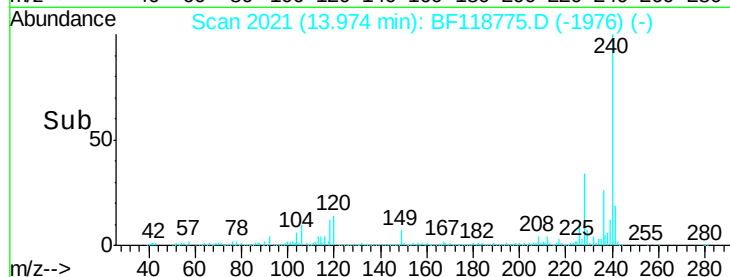
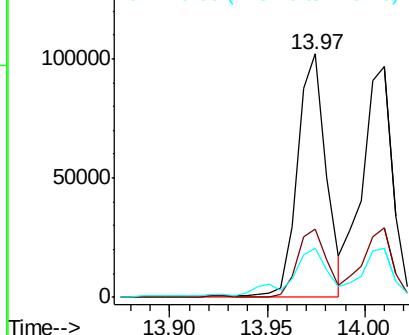
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	34.0
229	20.0	16.6	25.0

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:12 PM



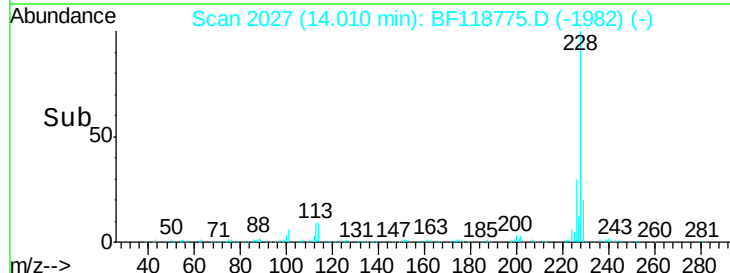
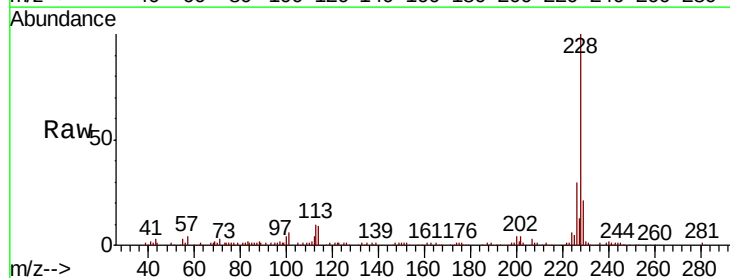
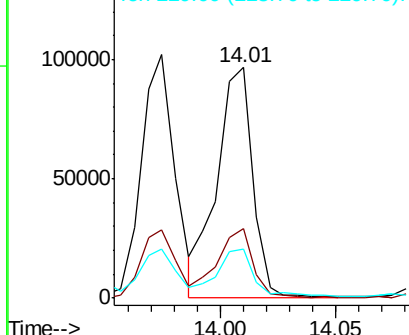
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

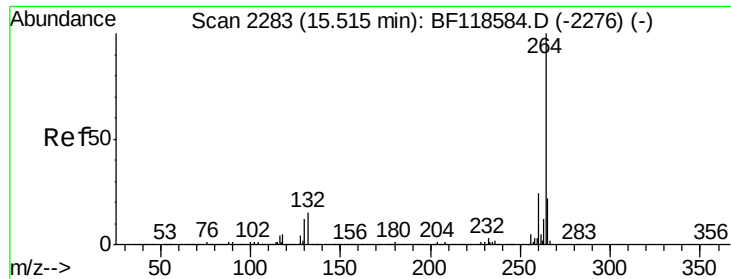


#83
Chrysene
Concen: 2.280 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.04 min
Lab File: BF118775.D
Acq: 31 Jan 2020 12:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.6	38.4
229	21.2	17.1	25.7

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





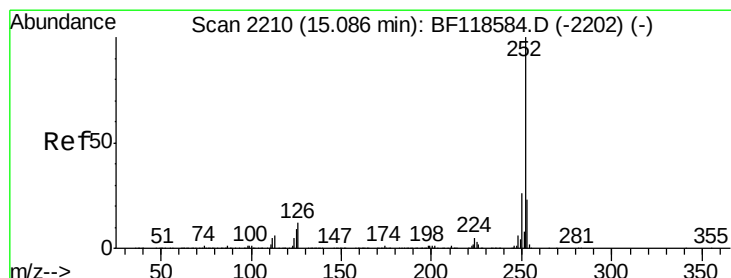
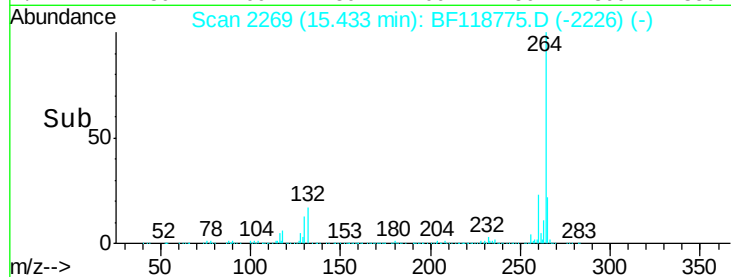
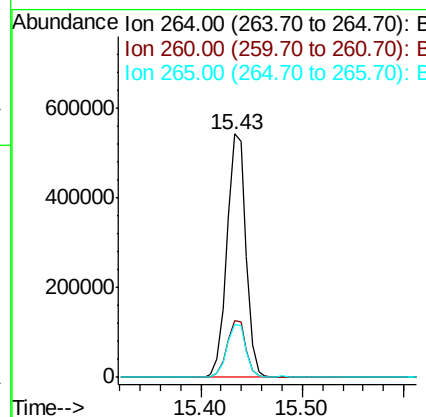
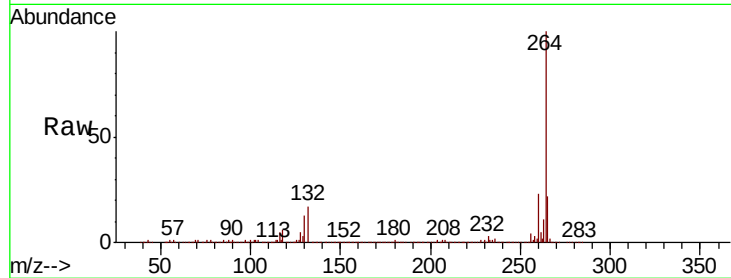
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.05 min
Lab File: BF118775.D
Acq: 31 Jan 2020 12:11

Instrument :
BNA_F
ClientSampleId :
RAINEY-PARK-BH-05-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.9	17.0	25.6

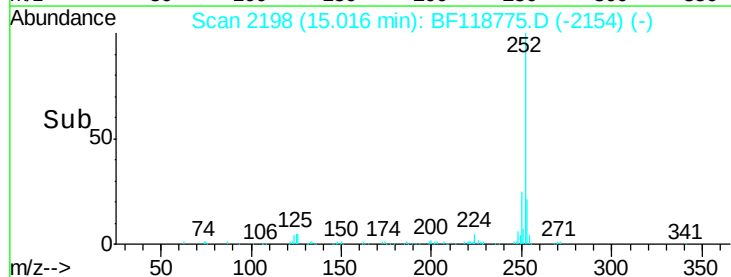
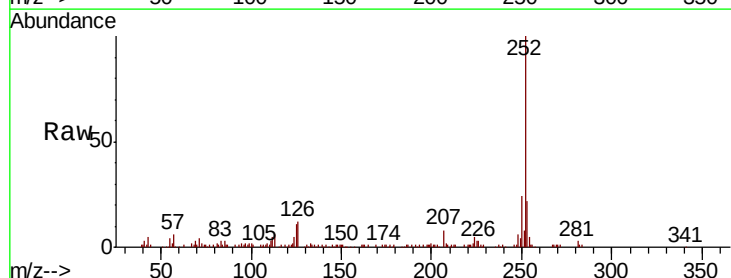
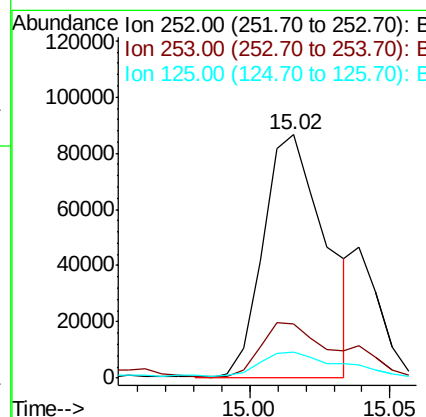
Manual Integrations
APPROVED

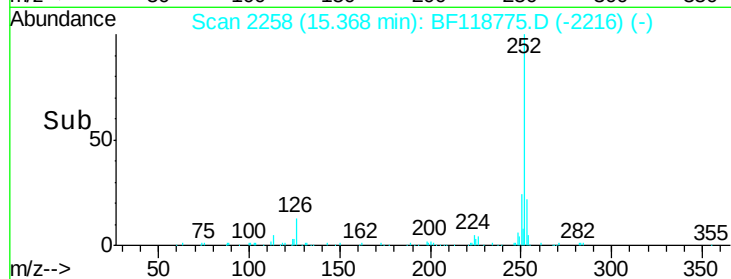
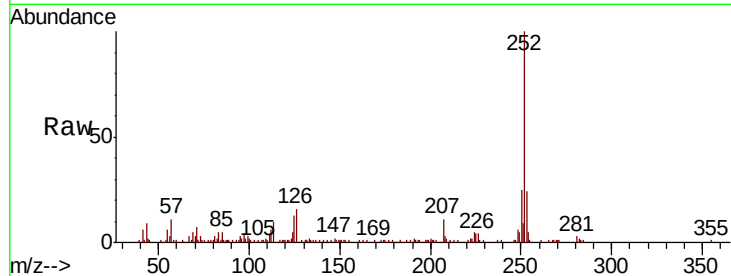
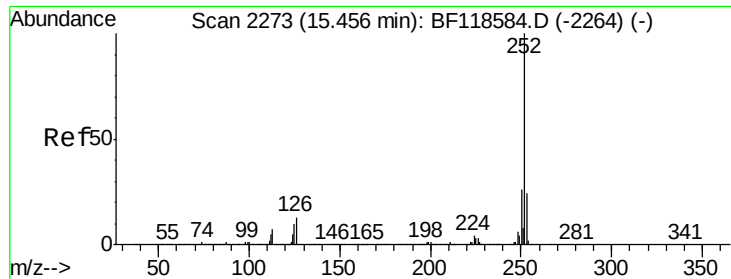
mohammad
2/3/2020 4:10:12 PM



#88
Benzo(b)fluoranthene
Concen: 3.005 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF118775.D
Acq: 31 Jan 2020 12:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	10.8	7.7	11.5





#90

Benzo(a)pyrene

Concen: 2.080 ng

RT: 15.37 min Scan# 2258

Delta R.T. -0.05 min

Lab File: BF118775.D

Acq: 31 Jan 2020 12:11

Instrument :

BNA_F

ClientSampleId :

RAINEY-PARK-BH-05-A

Tot Ion:	252	Resp:	79478
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.2	27.4
125	12.9	8.3	12.5#

Manual Integrations
APPROVED

mohammad
2/3/2020 4:10:12 PM

