

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116176.D
 Acq On : 11 Aug 2019 5:25
 Operator : HP/JU
 Sample : K4165-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CP-SHALLOW-PIPE-SOIL

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:55:18 AM

Quant Time: Aug 12 04:38:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	162873	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	609871	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	287399	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	402689	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	281979	20.00	ng	-0.01
87) Perylene-d12	15.47	264	260290	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	990748	101.83	ng	0.00
7) Phenol-d6	6.48	99	1252142	102.01	ng	0.00
23) Nitrobenzene-d5	7.40	82	832640	78.81	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	249279	89.46	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1269369	82.73	ng	-0.01
79) Terphenyl-d14	12.94	244	950343	71.02	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.59	163	320024	16.354	ng	99
71) Phenanthrene	11.38	178	78630	3.820	ng	97
75) Fluoranthene	12.57	202	104283	4.839	ng	100
78) Pyrene	12.80	202	99709	4.691	ng	98
81) Benzo(a)anthracene	13.99	228	47598	2.641	ng	98
83) Chrysene	14.03	228	43510	2.487	ng	99
88) Benzo(b)fluoranthene	15.04	252	50901m	3.382	ng	
90) Benzo(a)pyrene	15.41	252	37408	2.780	ng	# 93

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

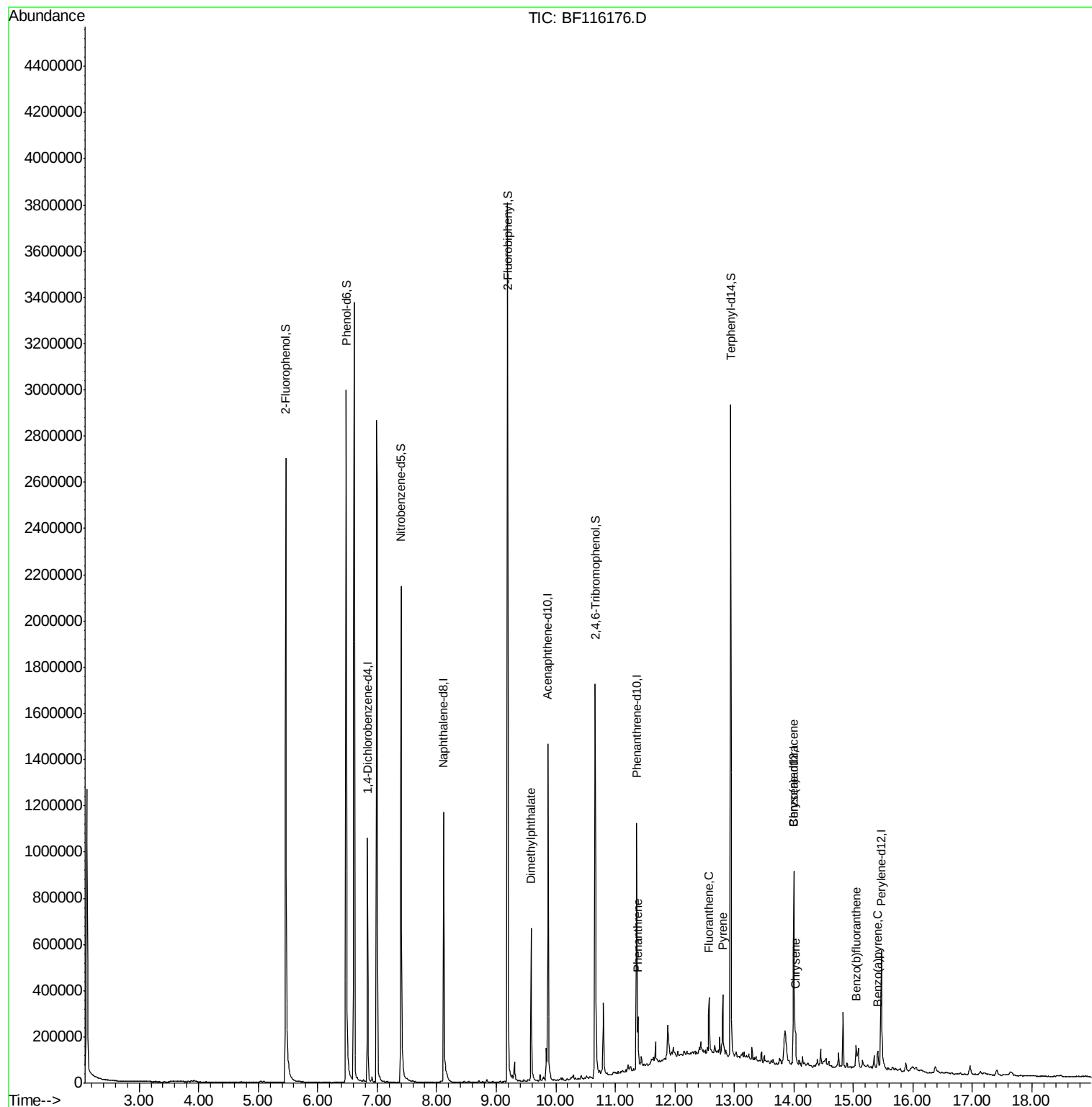
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116176.D
Acq On : 11 Aug 2019 5:25
Operator : HP/JU
Sample : K4165-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CP-SHALLOW-PIPE-SOIL

Manual Integrations
APPROVED

mohammad
8/14/2019 2:55:18 AM

Quant Time: Aug 12 04:38:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 2019
Response via : Initial Calibration





#1

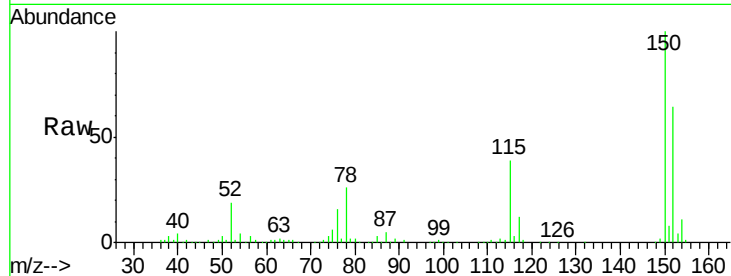
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Instrument :
BNA_F
ClientSampleId :
CP-SHALLOW-PIPE-SOIL

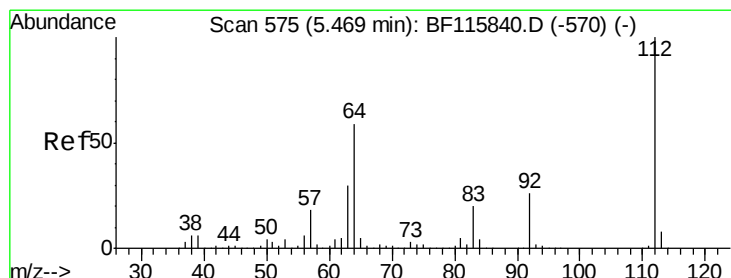
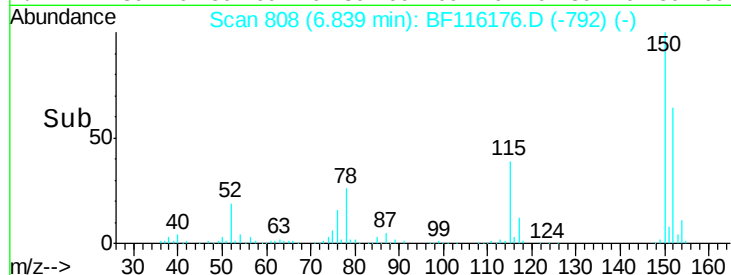
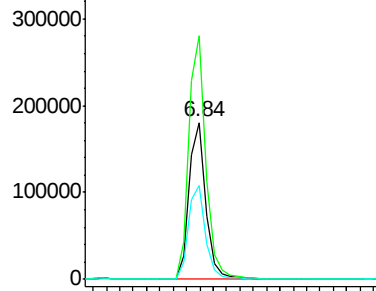
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.2	189.2
115	60.1	49.9	74.9

Manual Integrations
APPROVED

mohammad
8/14/2019 2:55:18 AM



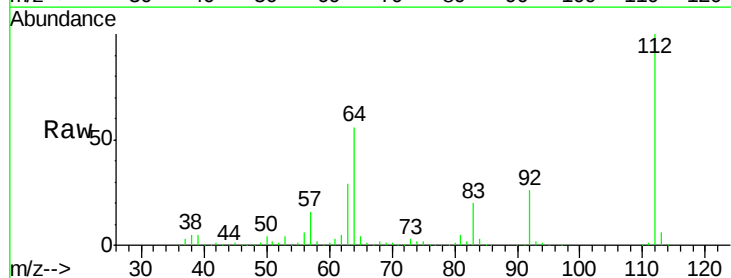
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



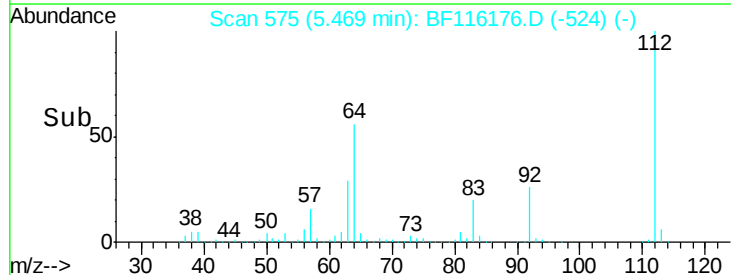
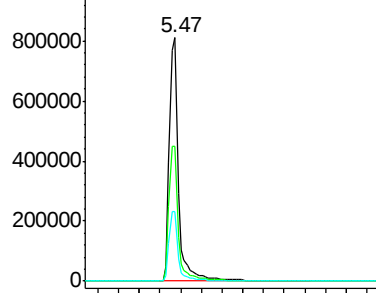
#5

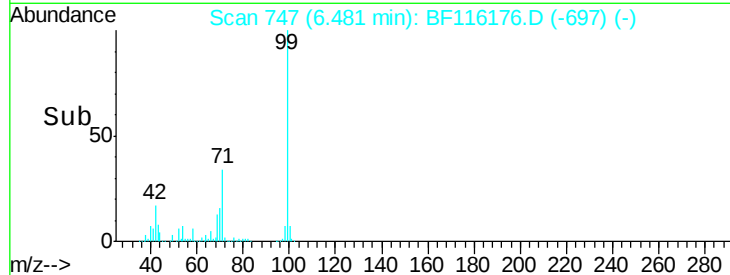
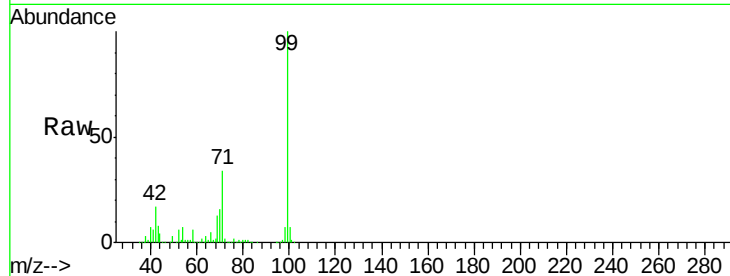
2-Fluorophenol
Concen: 101.832 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.00 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	45.4	68.2
63	28.5	23.7	35.5



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: 102.007 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116176.D

Acq: 11 Aug 2019 5:25

Tot Ion:	99	Resp:	1252142
Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.8	20.8
71	34.4	27.3	40.9

Instrument :

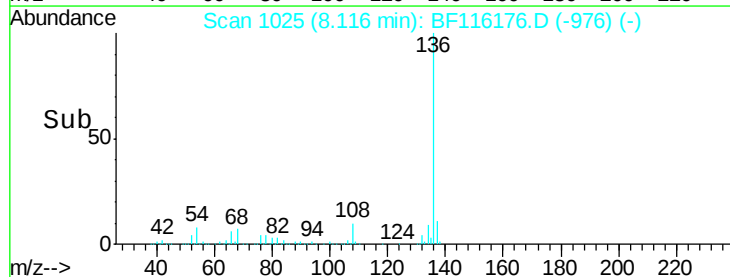
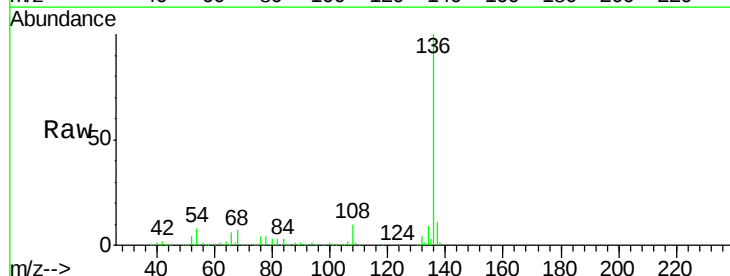
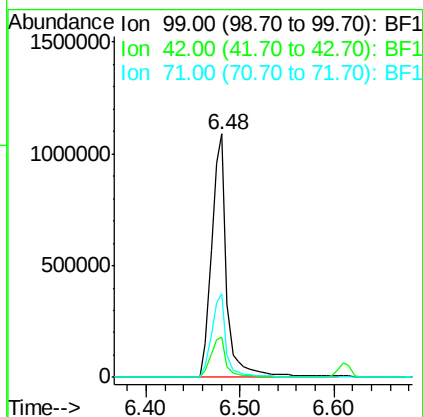
BNA_F

ClientSampleId :

CP-SHALLOW-PIPE-SOIL

Manual Integrations
APPROVED

mohammad
8/14/2019 2:55:18 AM



#21

Naphthalene-d8

Concen: 20.000 ng

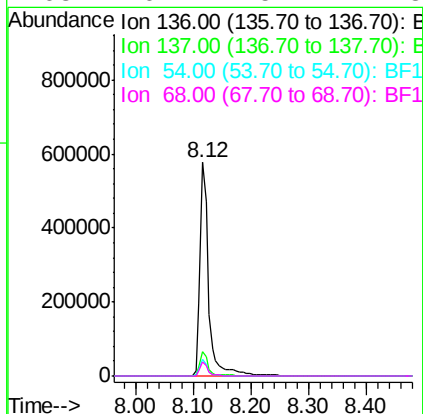
RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116176.D

Acq: 11 Aug 2019 5:25

Tgt Ion:	136	Resp:	609871
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.6	5.8	8.6
68	6.7	5.2	7.8





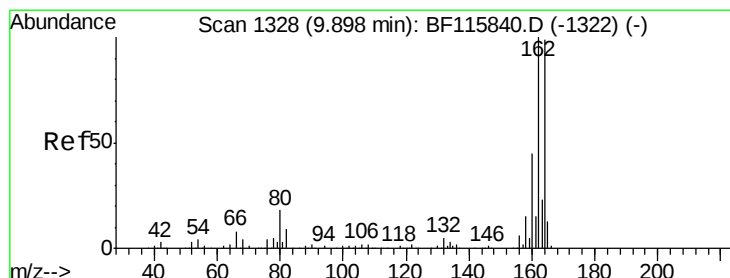
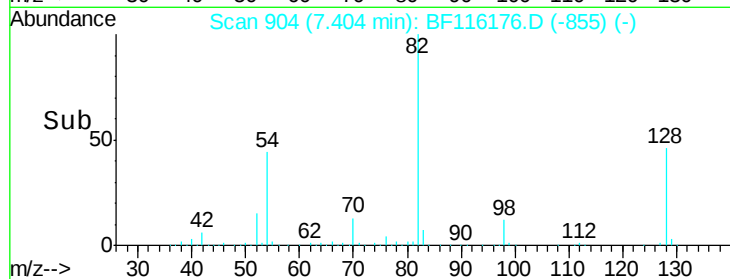
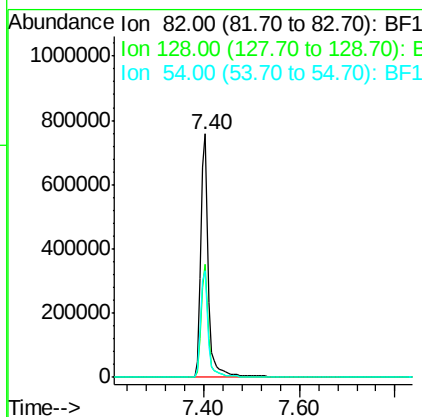
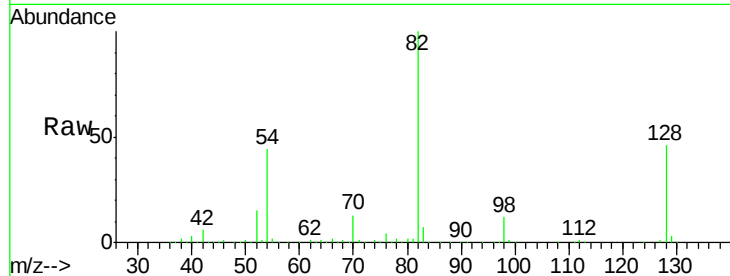
#23
 Nitrobenzene-d5
 Concen: 78.808 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF116176.D
 Acq: 11 Aug 2019 5:25

Instrument :
 BNA_F
 ClientSampleId :
 CP-SHALLOW-PIPE-SOIL

Tot Ion	82	Resp	832640
Ion Ratio	100	Lower	Upper
82	100		
128	46.5	36.5	54.7
54	44.1	36.0	54.0

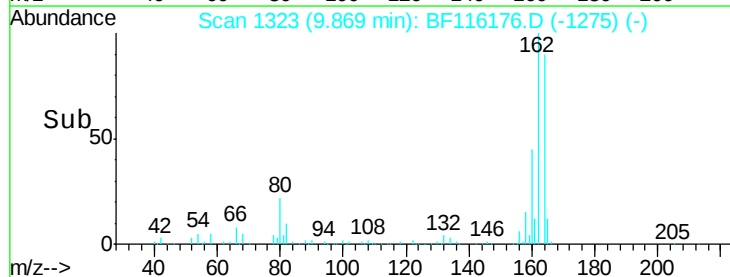
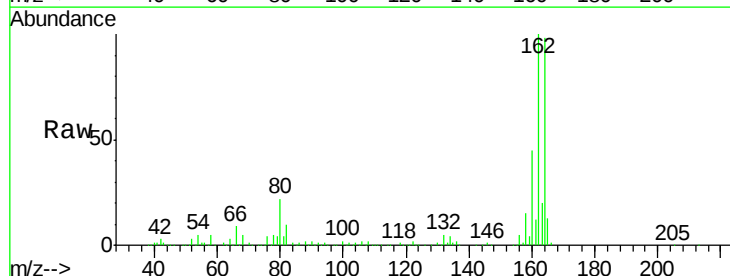
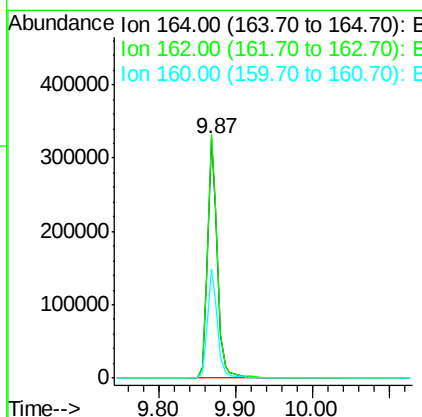
Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:55:18 AM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF116176.D
 Acq: 11 Aug 2019 5:25

Tgt Ion	164	Resp	287399
Ion Ratio	100	Lower	Upper
164	100		
162	101.7	82.6	124.0
160	45.6	37.6	56.4





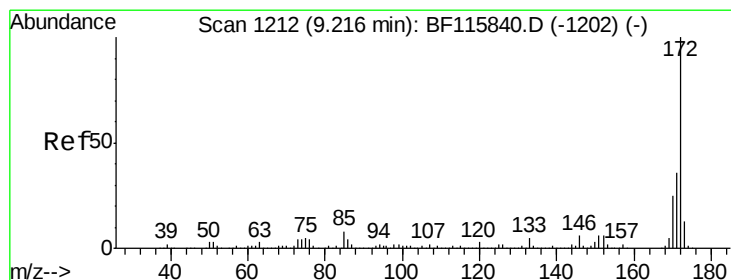
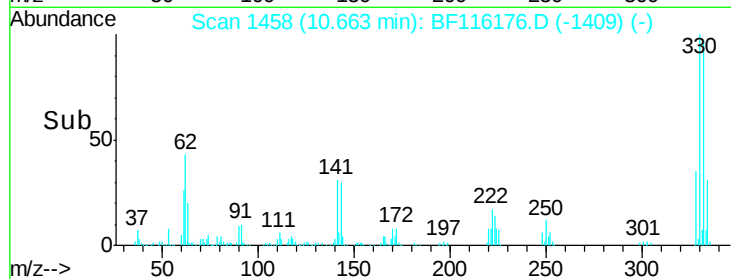
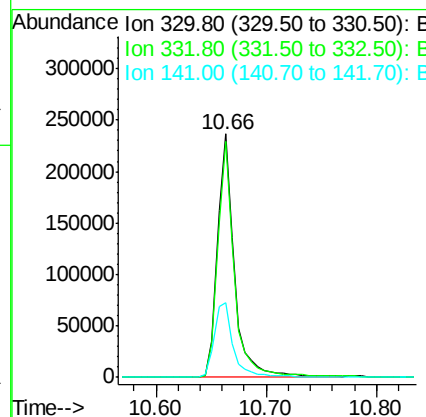
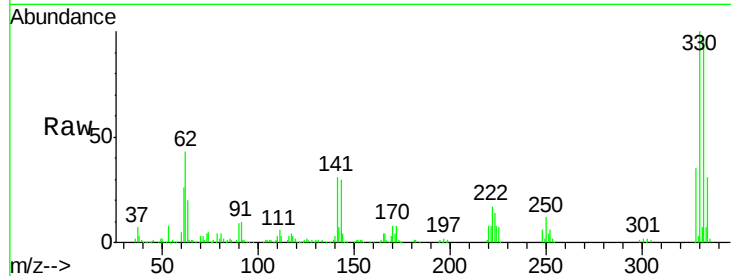
#42
 2,4,6-Tribromophenol
 Concen: 89.462 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116176.D
 Acq: 11 Aug 2019 5:25

Instrument :
 BNA_F
 ClientSampleId :
 CP-SHALLOW-PIPE-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	249279		
332	97.4	76.8	115.2	
141	34.5	26.3	39.5	

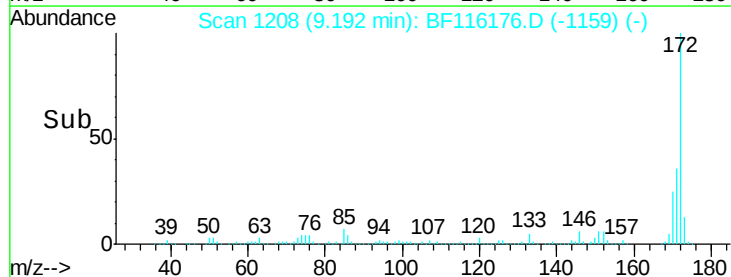
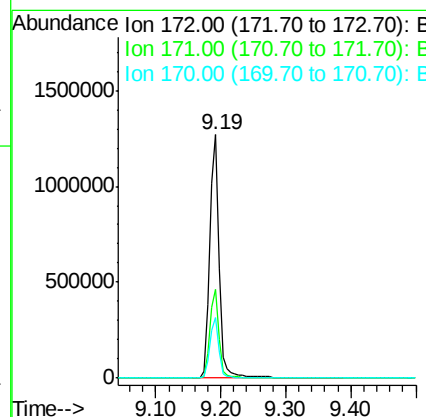
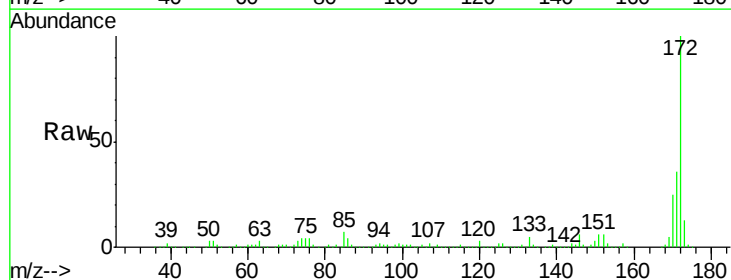
Manual Integrations
 APPROVED

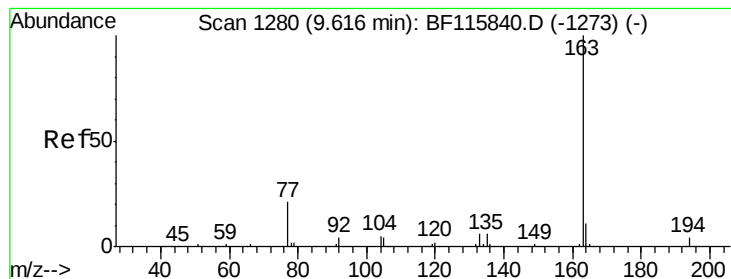
mohammad
 8/14/2019 2:55:18 AM



#45
 2-Fluorobiphenyl
 Concen: 82.729 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116176.D
 Acq: 11 Aug 2019 5:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1269369		
171	36.2	29.6	44.4	
170	24.8	20.1	30.1	





#50

Dimethylphthalate

Concen: 16.354 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116176.D

Acq: 11 Aug 2019 5:25

Instrument :

BNA_F

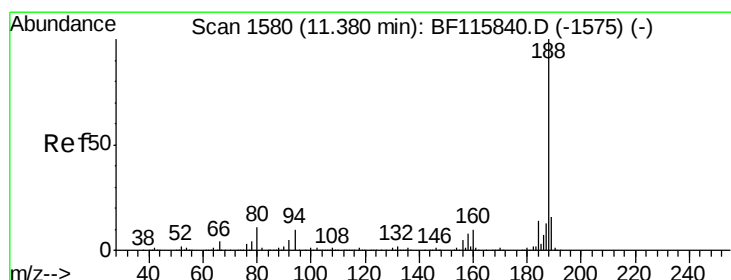
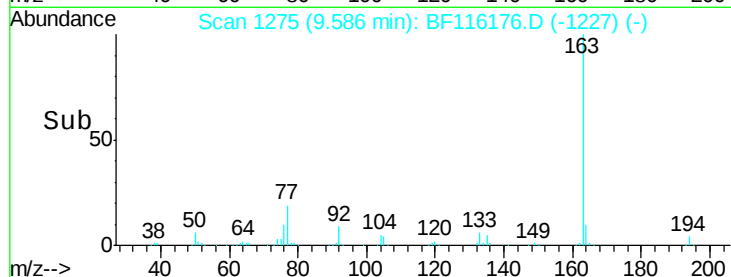
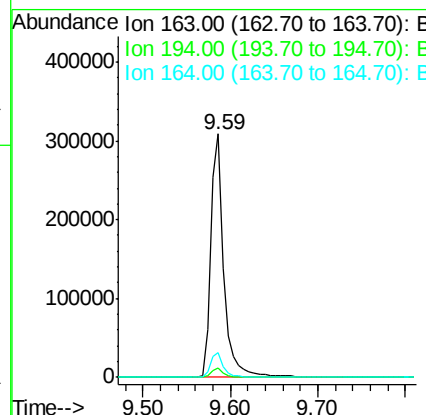
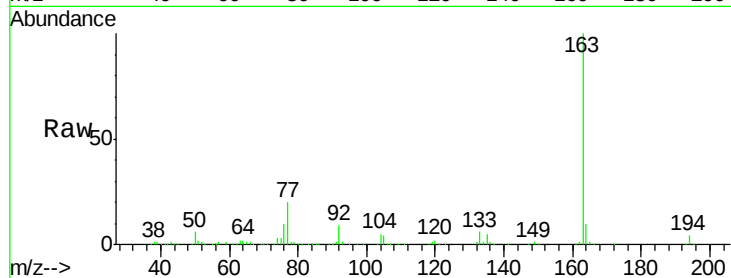
ClientSampleId :

CP-SHALLOW-PIPE-SOIL

Tot Ion:	163	Resp:	320024
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.6
164	10.0	8.4	12.6

Manual Integrations
APPROVED

mohammad
8/14/2019 2:55:18 AM



#64

Phenanthrene-d10

Concen: 20.000 ng

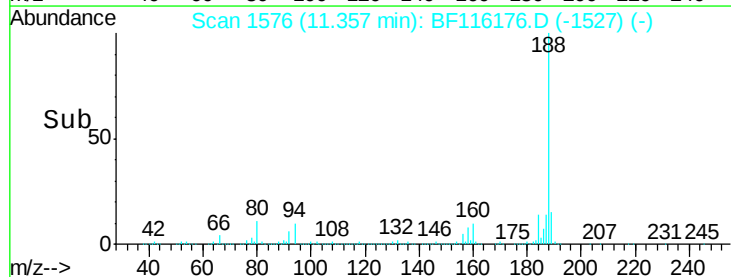
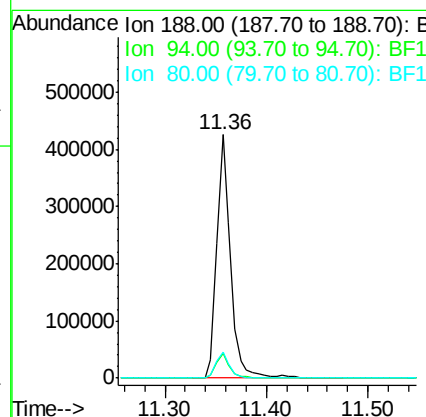
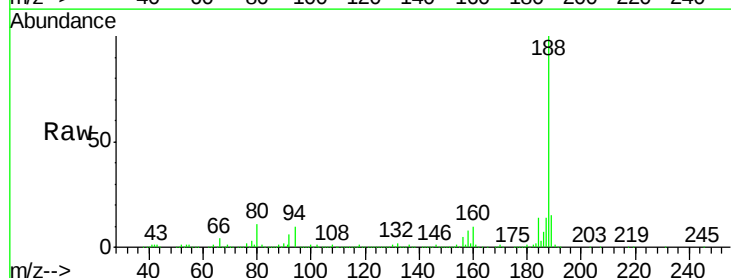
RT: 11.36 min Scan# 1576

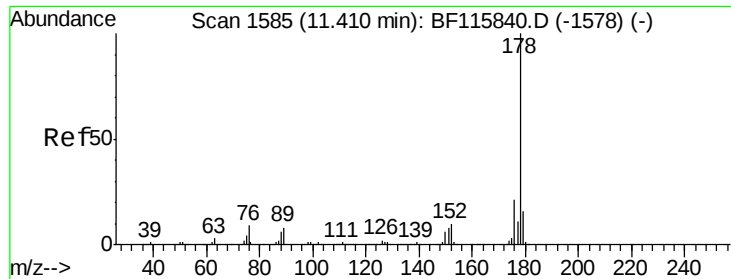
Delta R.T. -0.01 min

Lab File: BF116176.D

Acq: 11 Aug 2019 5:25

Tgt Ion:	188	Resp:	402689
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.1	12.1
80	10.7	8.7	13.1





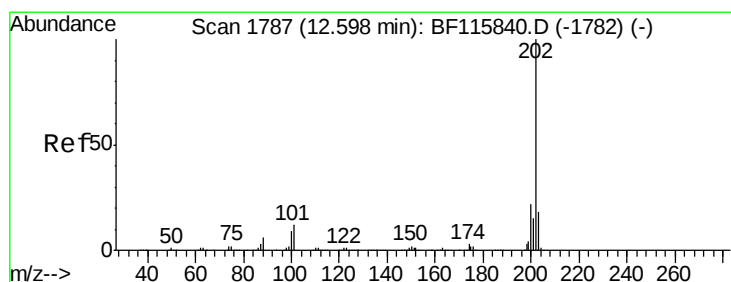
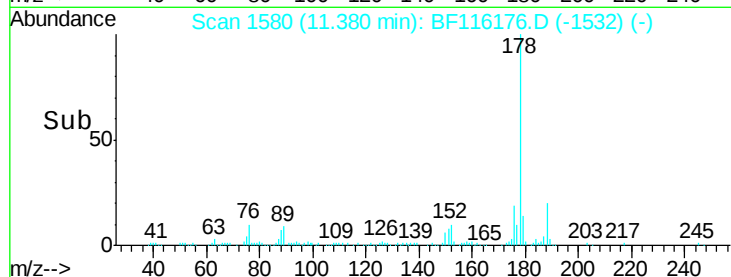
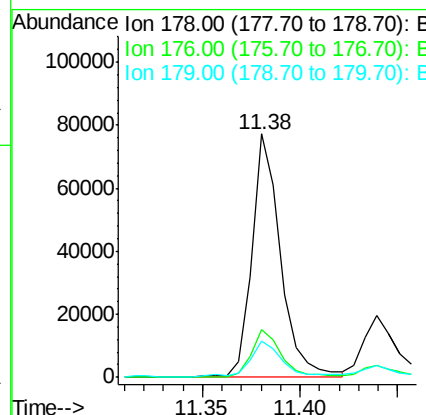
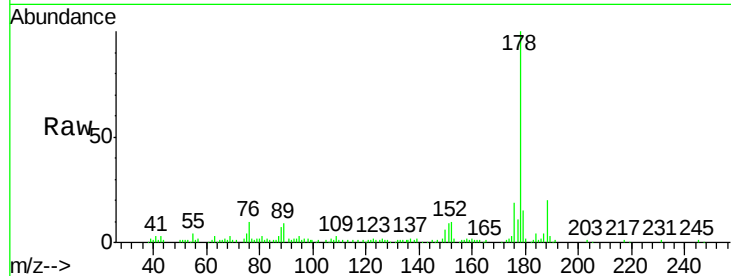
#71
Phenanthrene
Concen: 3.820 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Instrument :
BNA_F
ClientSampleId :
CP-SHALLOW-PIPE-SOIL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.6	24.8
179	14.7	12.5	18.7

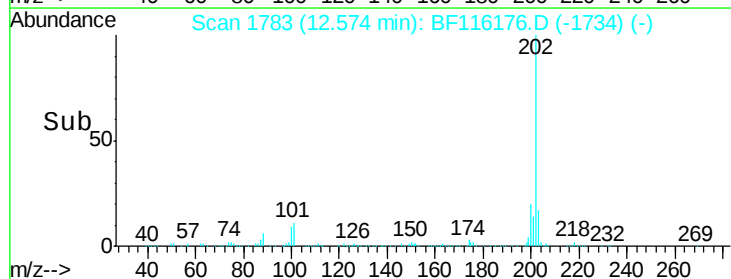
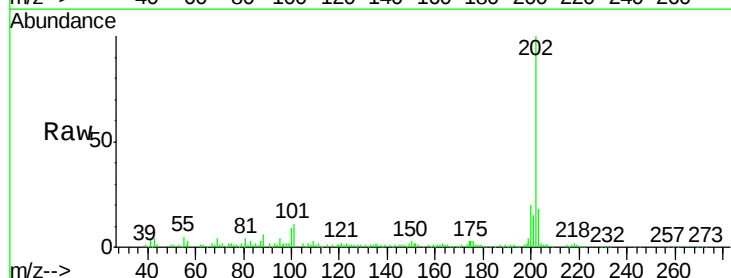
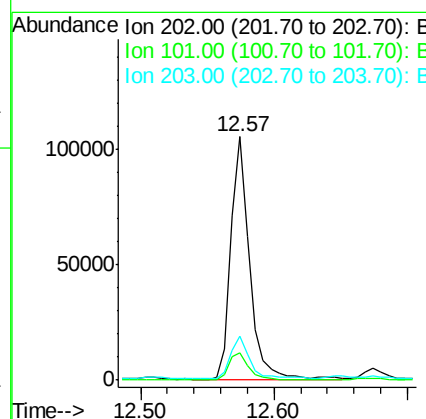
Manual Integrations
APPROVED

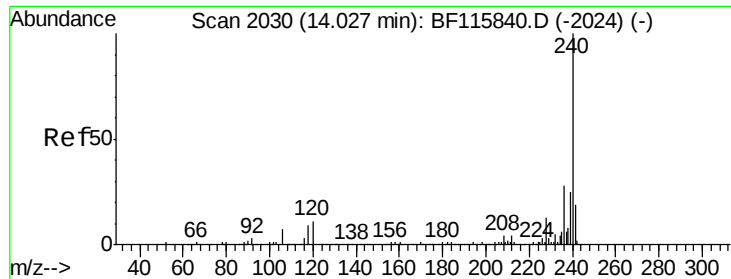
mohammad
8/14/2019 2:55:18 AM



#75
Fluoranthene
Concen: 4.839 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.2
203	17.8	0.0	37.8





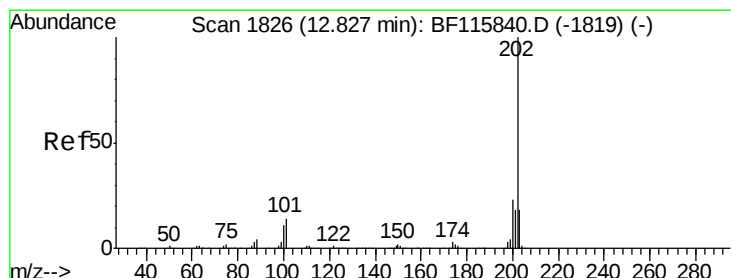
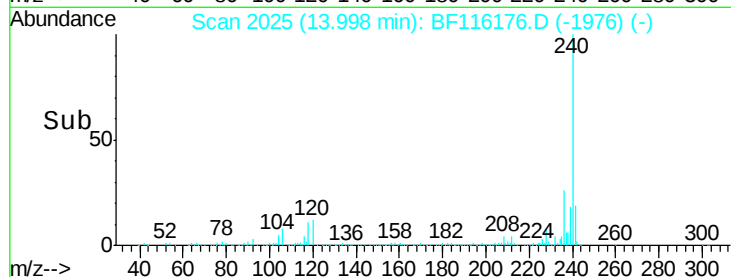
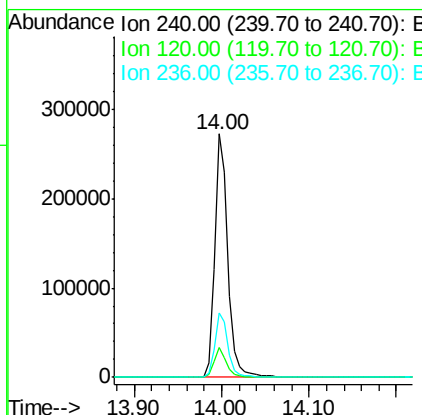
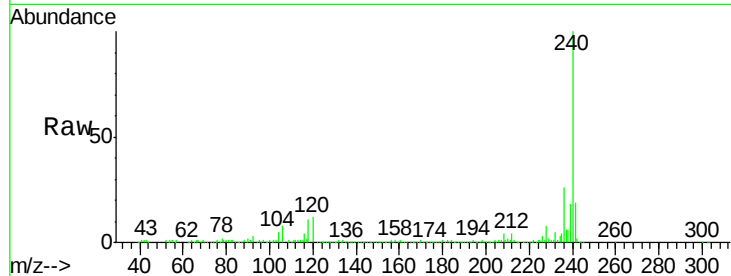
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Instrument :
BNA_F
ClientSampleId :
CP-SHALLOW-PIPE-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	281979		
120	12.4	10.7	16.1	
236	26.3	22.2	33.2	

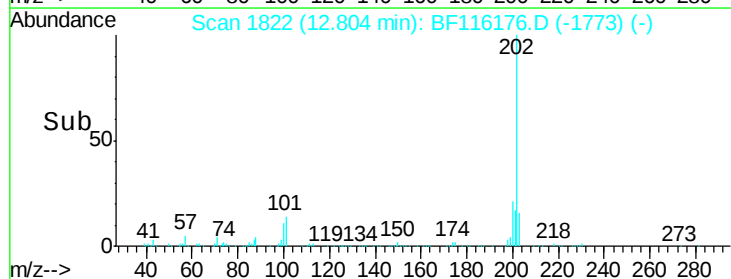
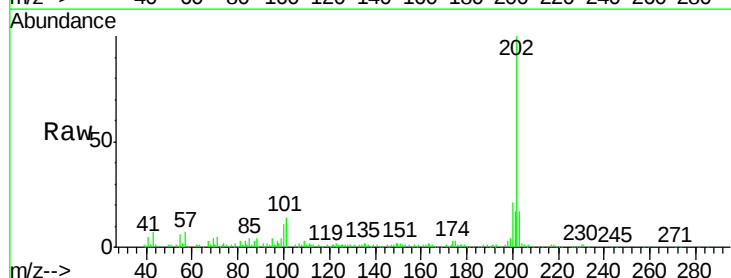
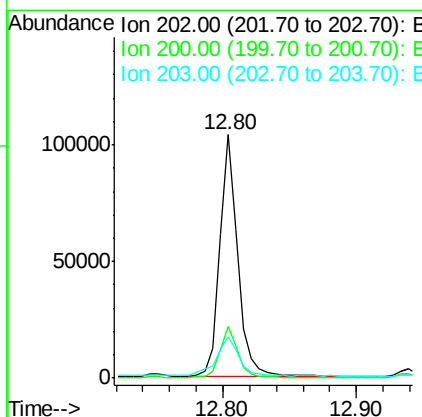
Manual Integrations
APPROVED

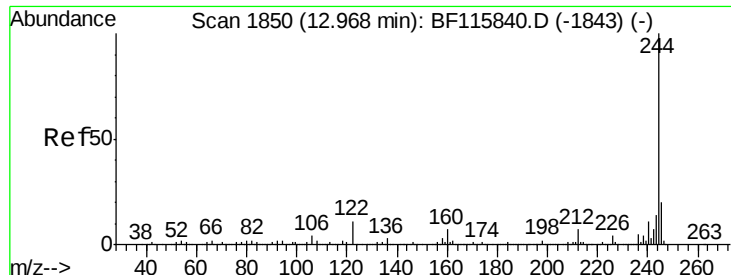
mohammad
8/14/2019 2:55:18 AM



#78
Pyrene
Concen: 4.691 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	99709		
200	21.3	18.0	27.0	
203	16.8	14.1	21.1	





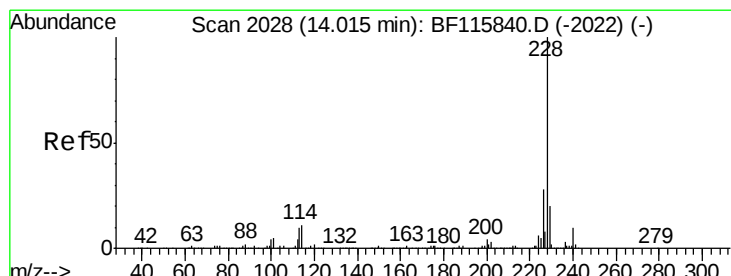
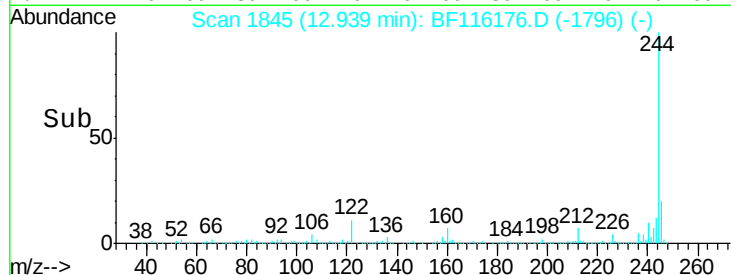
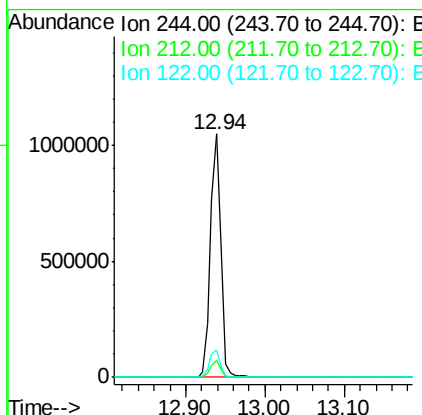
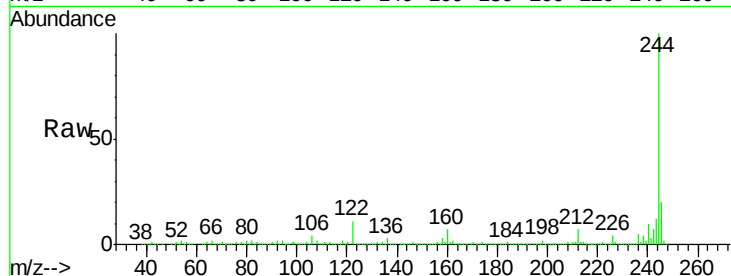
#79
 Terphenyl-d14
 Concen: 71.017 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116176.D
 Acq: 11 Aug 2019 5:25

Instrument :
 BNA_F
 ClientSampleId :
 CP-SHALLOW-PIPE-SOIL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	11.5	9.0	13.4

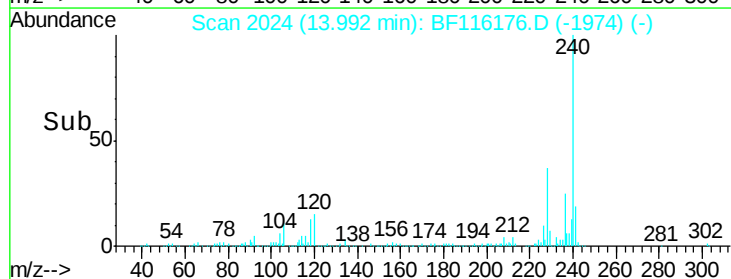
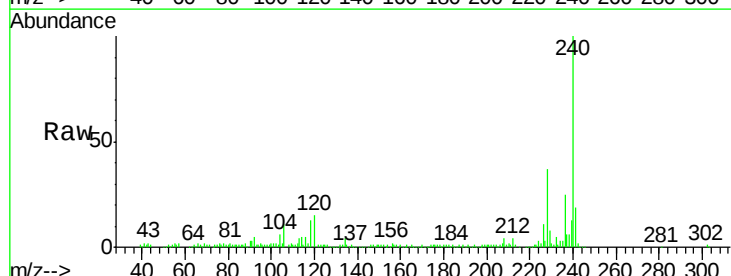
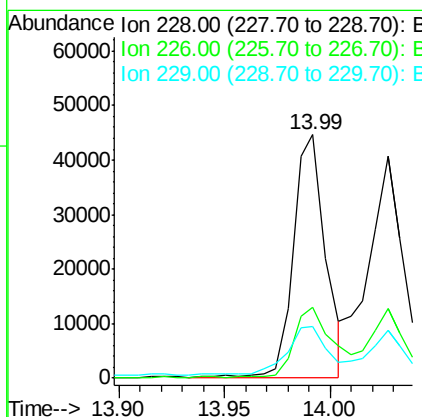
Manual Integrations
 APPROVED

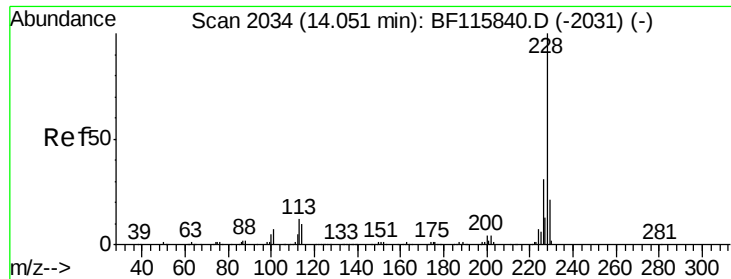
mohammad
 8/14/2019 2:55:18 AM



#81
 Benzo(a)anthracene
 Concen: 2.641 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116176.D
 Acq: 11 Aug 2019 5:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.7	34.1
229	21.5	16.2	24.4





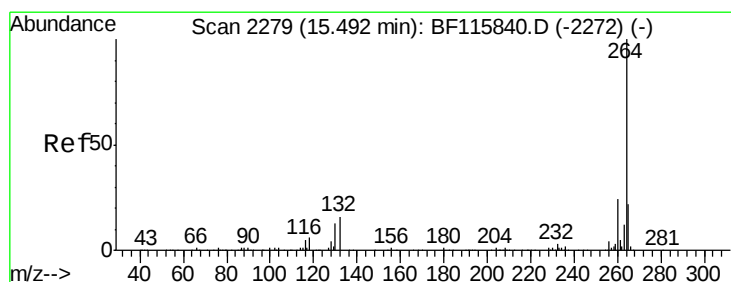
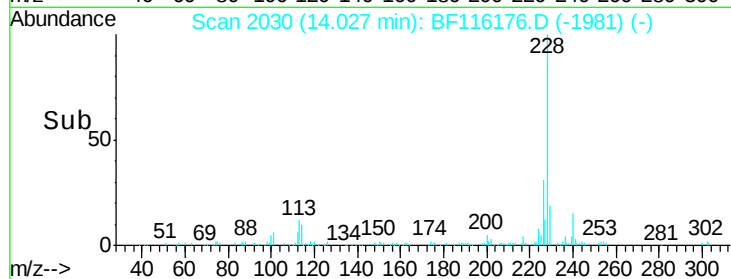
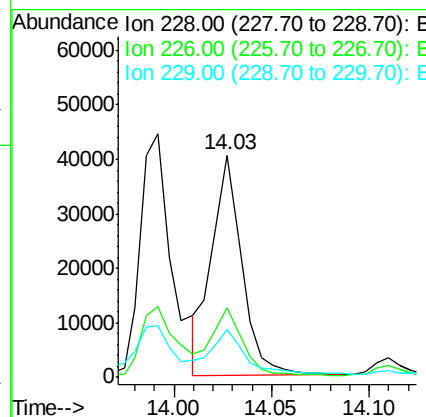
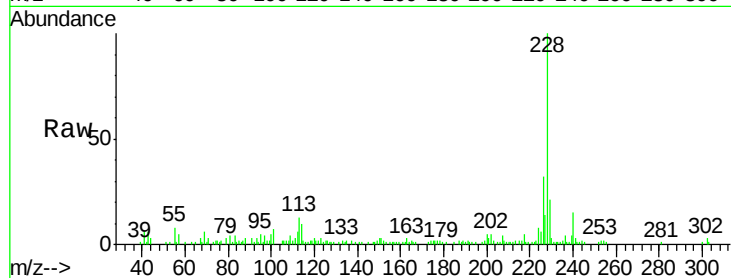
#83
Chrysene
Concen: 2.487 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Instrument :
BNA_F
ClientSampleId :
CP-SHALLOW-PIPE-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.5	38.3
229	21.4	16.6	24.8

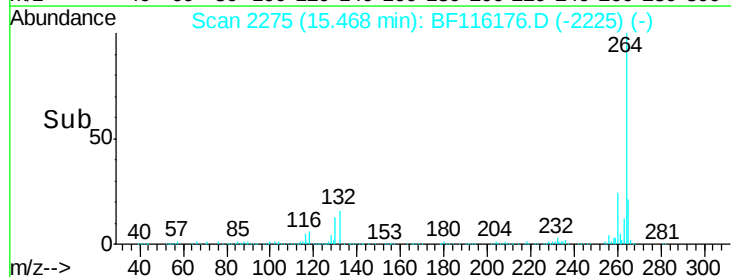
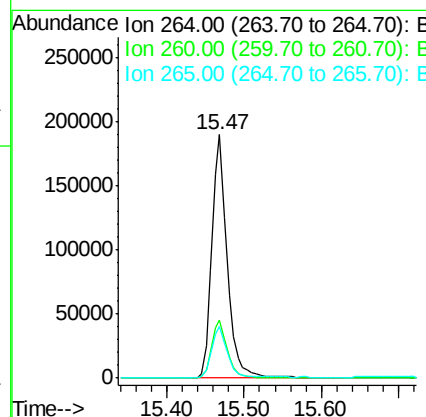
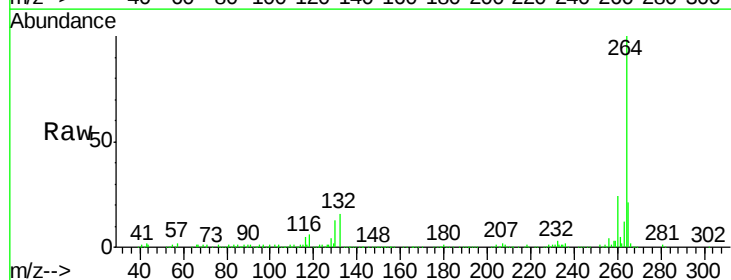
Manual Integrations
APPROVED

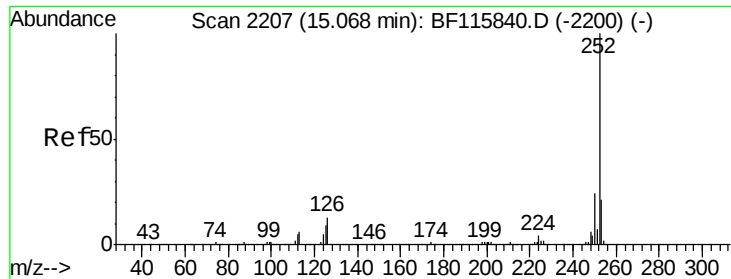
mohammad
8/14/2019 2:55:18 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.7	29.5
265	21.2	17.4	26.0





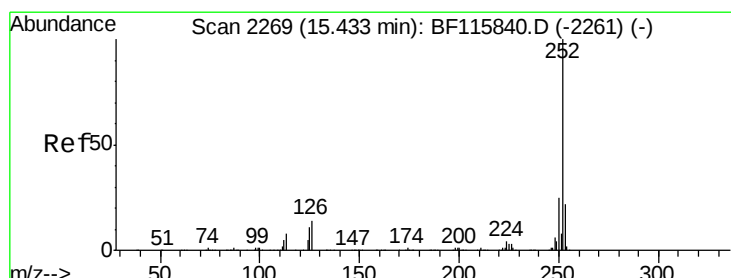
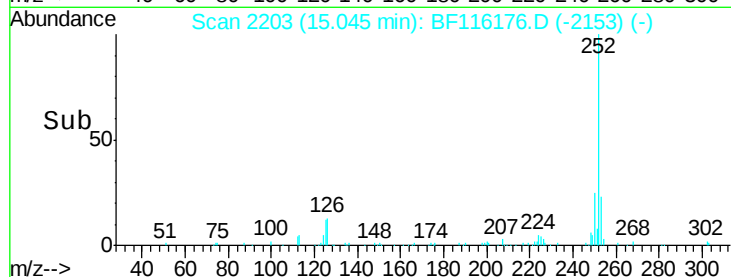
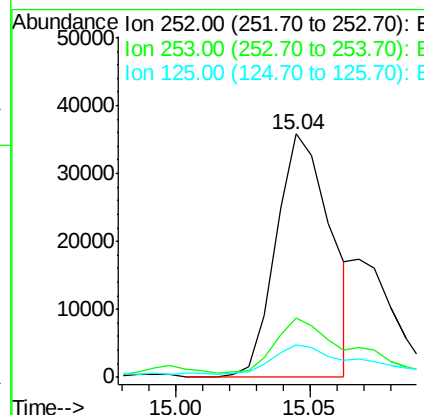
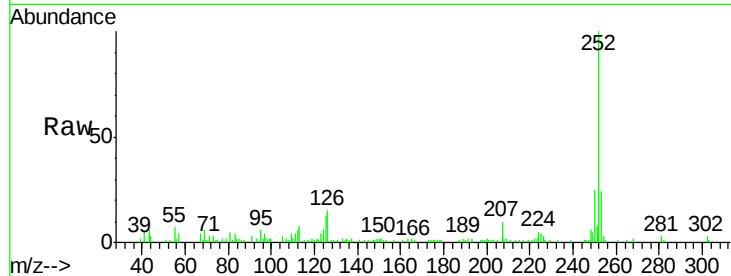
#88
Benzo(b)fluoranthene
Concen: 3.382 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Instrument :
BNA_F
ClientSampleId :
CP-SHALLOW-PIPE-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	13.2	8.4	12.6

Manual Integrations
APPROVED

mohammad
8/14/2019 2:55:18 AM



#90
Benzo(a)pyrene
Concen: 2.780 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116176.D
Acq: 11 Aug 2019 5:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.0	27.0
125	14.1	8.9	13.3

