

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012819\
 Data File : BF112284.D
 Acq On : 28 Jan 2019 19:39
 Operator : JU/SJ
 Sample : K1011-09 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-012519-A

Manual Integrations
 APPROVED

mohammad
 1/29/2019 9:35:15 AM

Quant Time: Jan 29 00:16:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	213254	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	851339	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	396726	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	683510	20.00	ng	0.00
76) Chrysene-d12	14.00	240	454394	20.00	ng	-0.01
87) Perylene-d12	15.46	264	420429	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	254227	25.32	ng	-0.01
7) Phenol-d6	6.48	99	320257	22.96	ng	-0.01
23) Nitrobenzene-d5	7.40	82	196132	13.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	77132	16.70	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	415165	14.80	ng	-0.01
79) Terphenyl-d14	12.94	244	326568	13.54	ng	-0.01
Target Compounds						
71) Phenanthrene	11.39	178	83481	2.349	ng	94
75) Fluoranthene	12.57	202	124172	3.258	ng	98
78) Pyrene	12.80	202	114916	3.653	ng	97
88) Benzo(b)fluoranthene	15.04	252	55727m	2.216	ng	

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

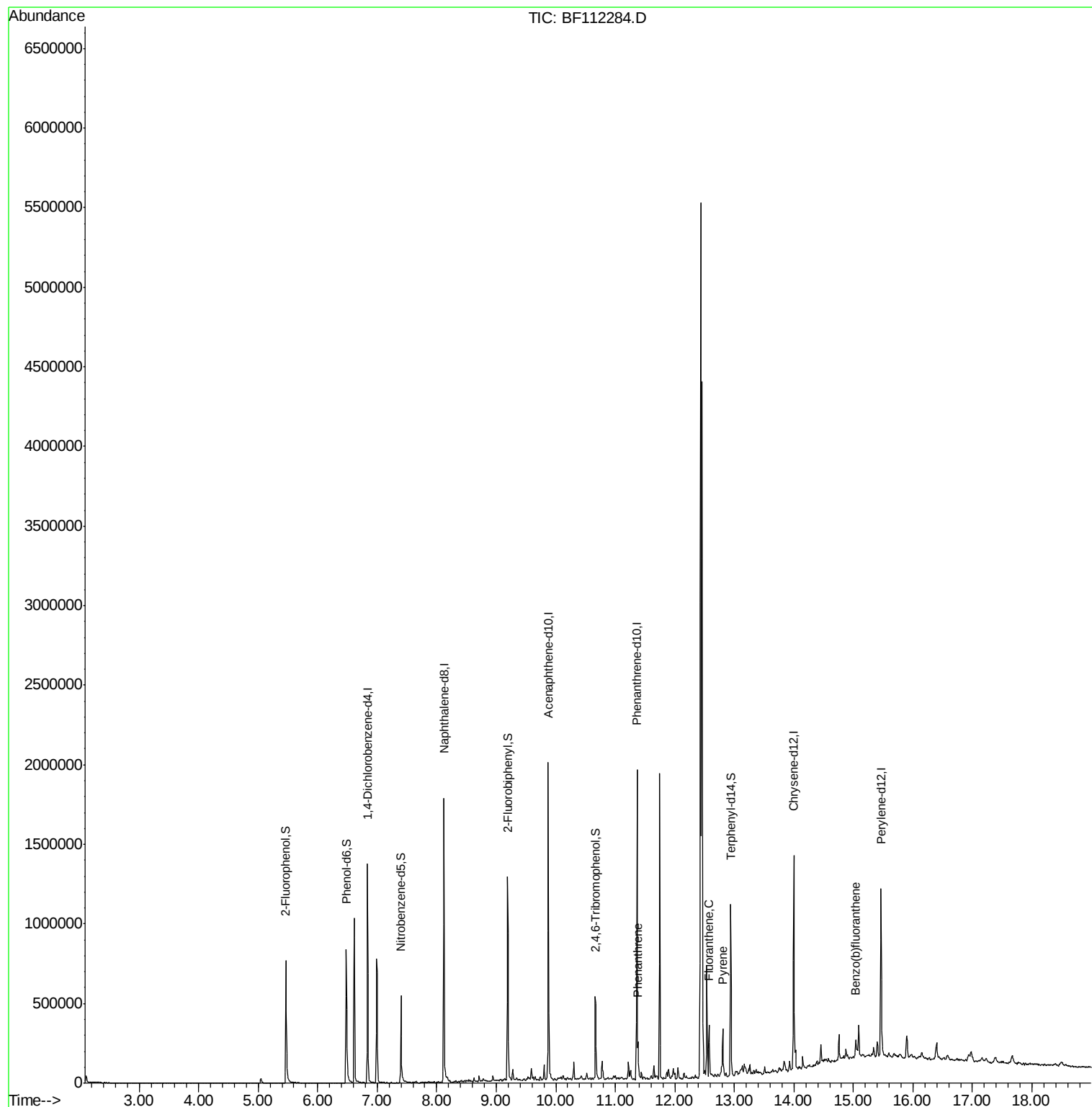
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012819\
Data File : BF112284.D
Acq On : 28 Jan 2019 19:39
Operator : JU/SJ
Sample : K1011-09 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

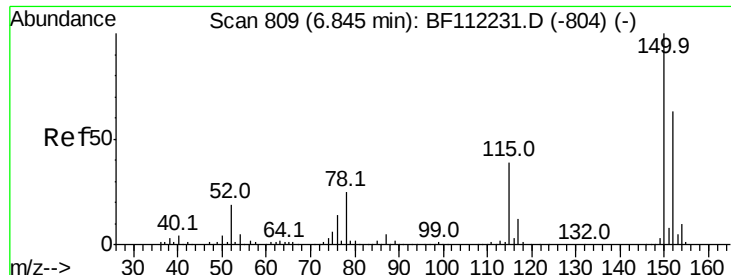
Instrument :
BNA_F
ClientSampleId :
OR-01-012519-A

Manual Integrations
APPROVED

mohammad
1/29/2019 9:35:15 AM

Quant Time: Jan 29 00:16:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration





#1

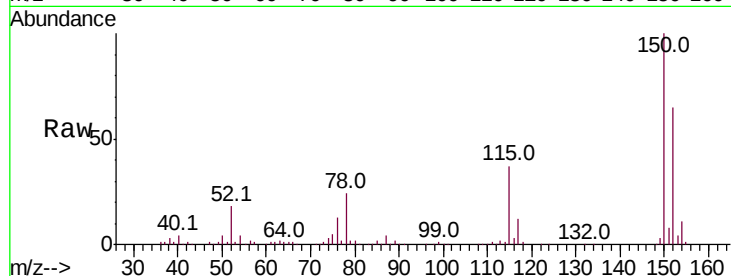
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112284.D
Acq: 28 Jan 2019 19:39

Instrument :
BNA_F
ClientSampleId :
OR-01-012519-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	127.4	191.0
115	56.3	45.5	68.3

Manual Integrations
APPROVED

mohammad
1/29/2019 9:35:15 AM

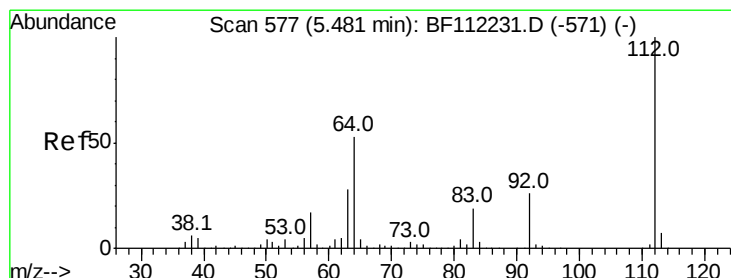
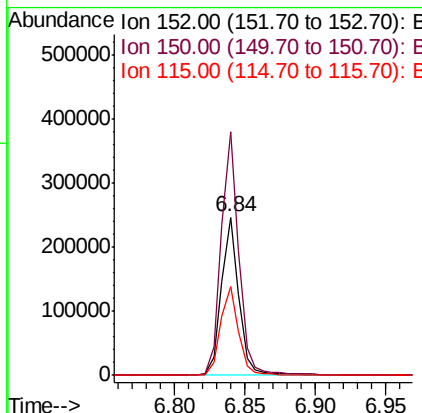
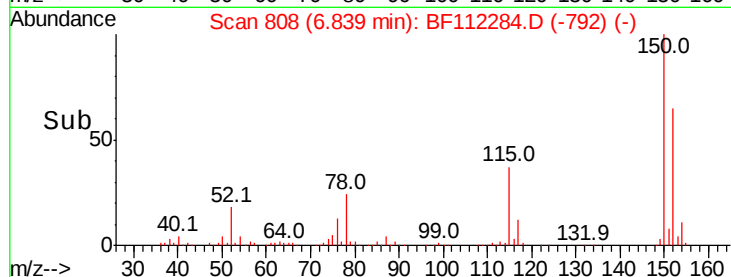


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

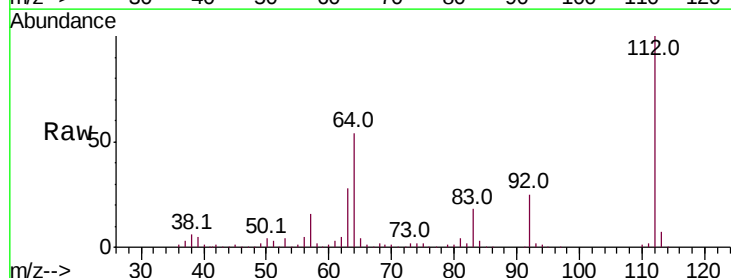
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 25.322 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112284.D
Acq: 28 Jan 2019 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	45.7	68.5
63	28.1	23.6	35.4

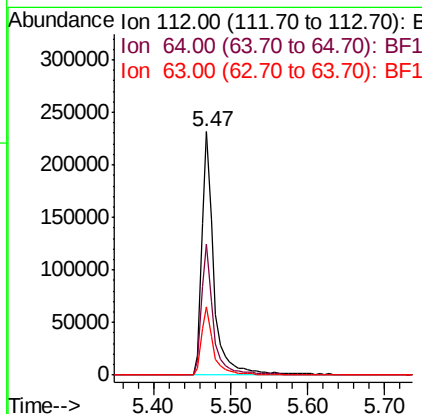
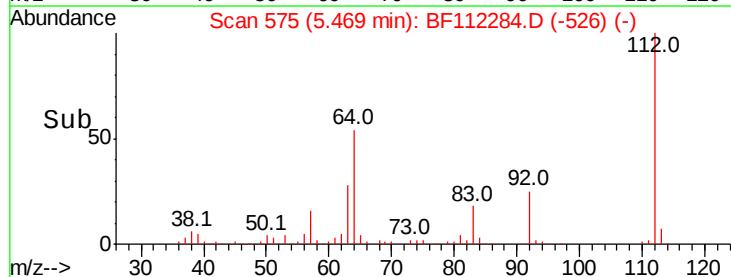


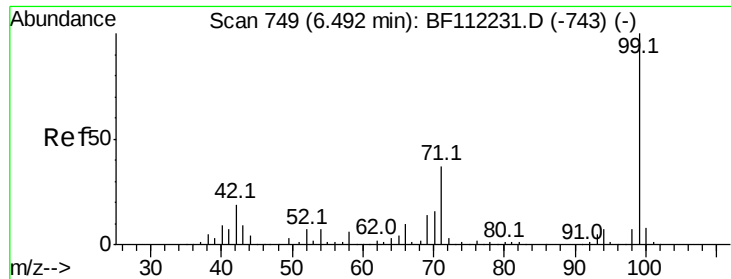
Abundance

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: 22.956 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

Instrument :

BNA_F

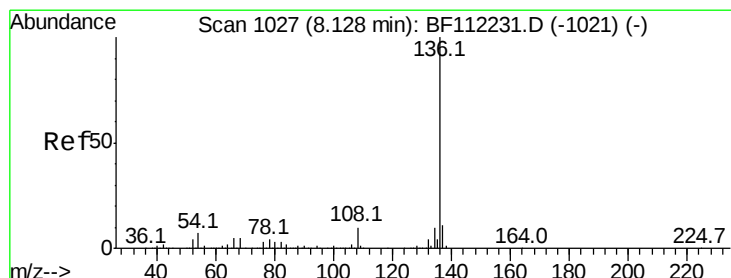
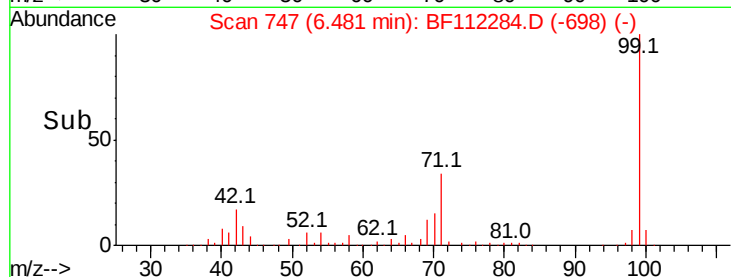
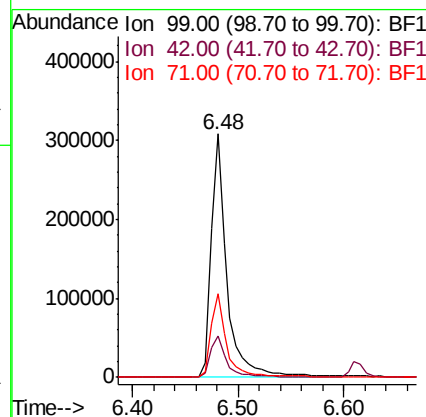
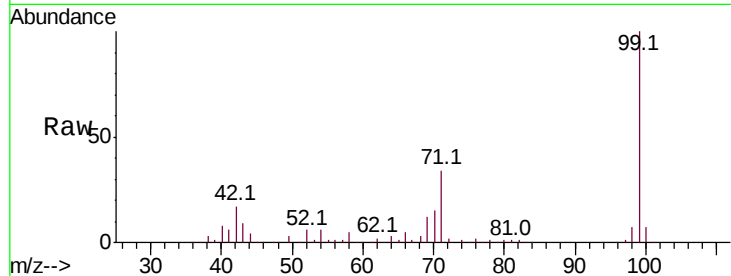
ClientSampleId :

OR-01-012519-A

Tot Ion	Ratio	Lower	Upper
99	100		
42	16.9	15.1	22.7
71	34.4	26.9	40.3

Manual Integrations
APPROVED

mohammad
1/29/2019 9:35:15 AM



#21

Naphthalene-d8

Concen: 20.000 ng

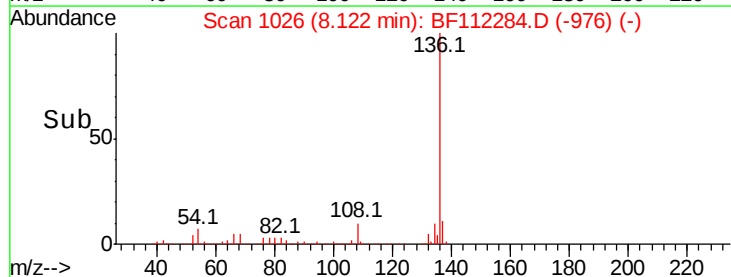
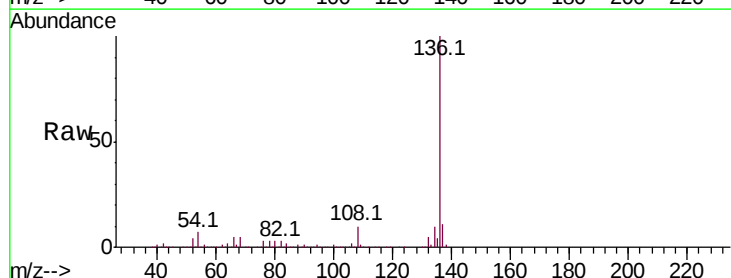
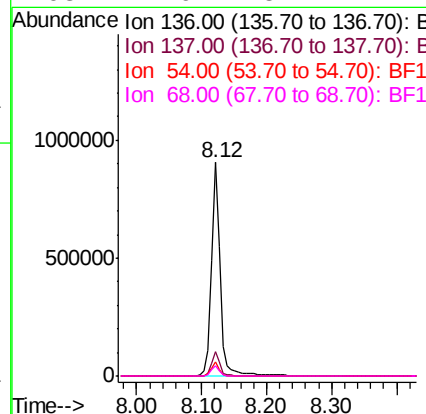
RT: 8.12 min Scan# 1026

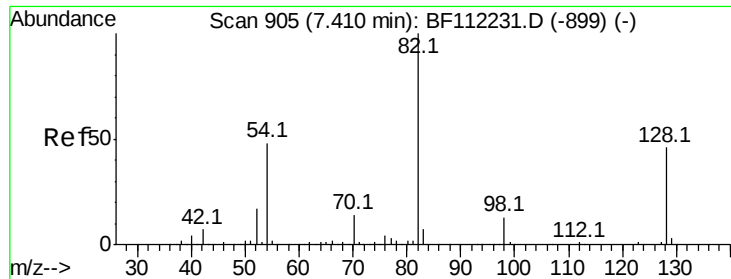
Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.8	5.9	8.9
68	4.9	5.1	7.7#





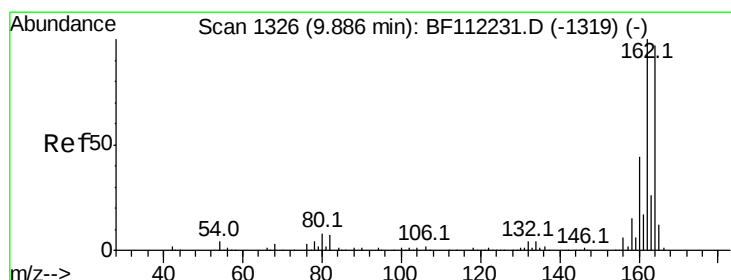
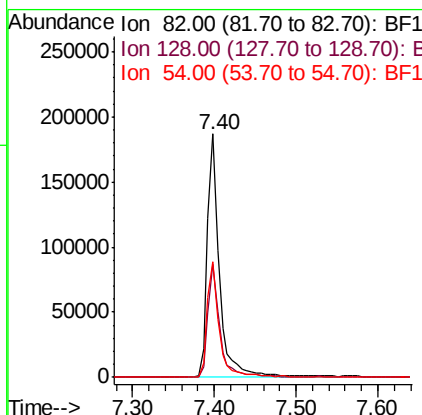
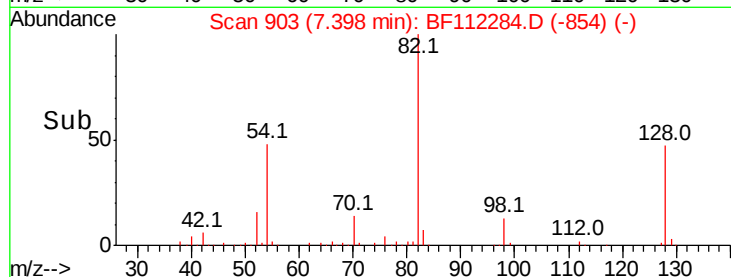
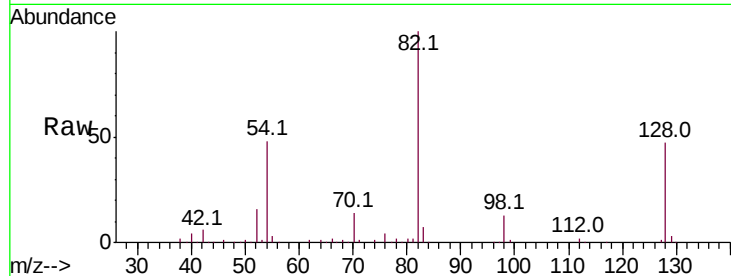
#23
Nitrobenzene-d5
Concen: 13.274 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112284.D
Acq: 28 Jan 2019 19:39

Instrument :
BNA_F
ClientSampleId :
OR-01-012519-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.8	56.8
54	47.7	39.7	59.5

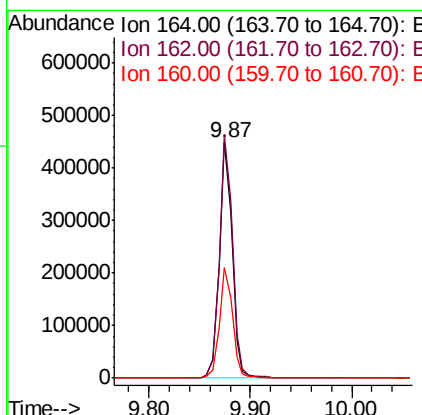
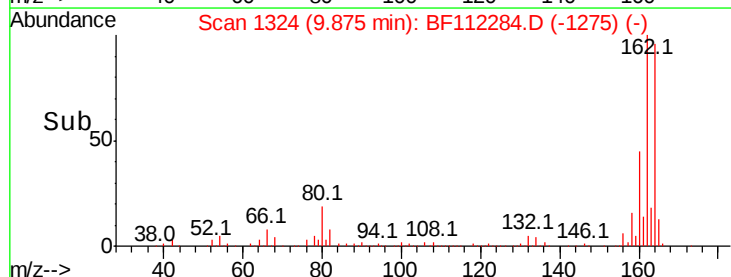
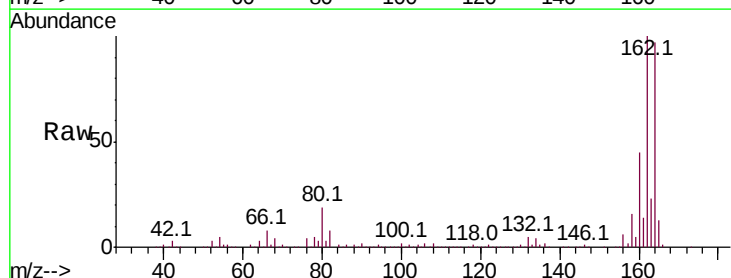
Manual Integrations
APPROVED

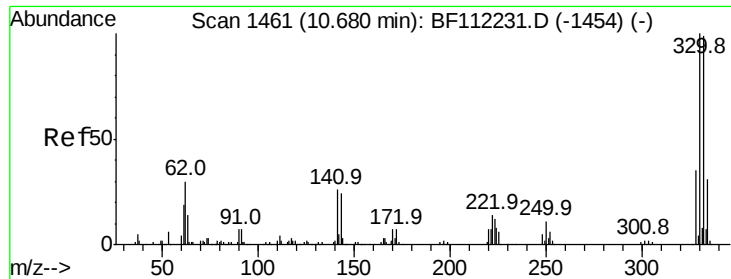
mohammad
1/29/2019 9:35:15 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112284.D
Acq: 28 Jan 2019 19:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.2	123.4
160	46.8	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 16.703 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

Instrument :

BNA_F

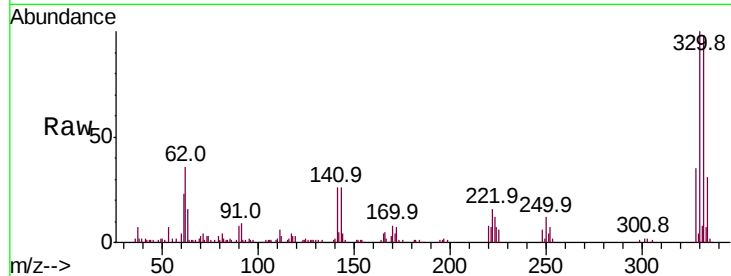
ClientSampleId :

OR-01-012519-A

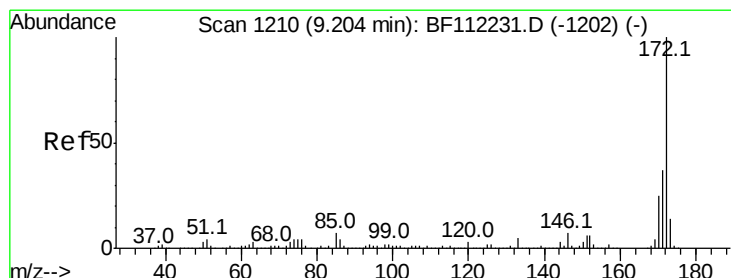
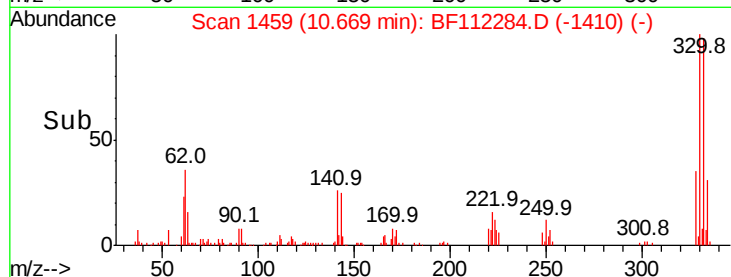
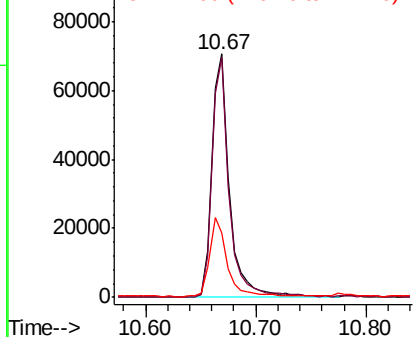
Tot Ion:	330	Resp:	77132
Ion Ratio	Lower	Upper	
330	100		
332	95.6	76.6	114.8
141	33.8	24.3	36.5

Manual Integrations
APPROVED

mohammad
1/29/2019 9:35:15 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: 14.801 ng

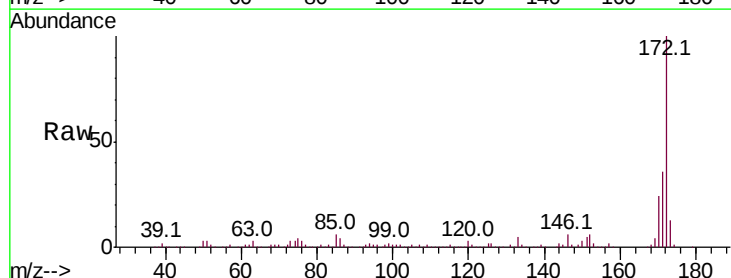
RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

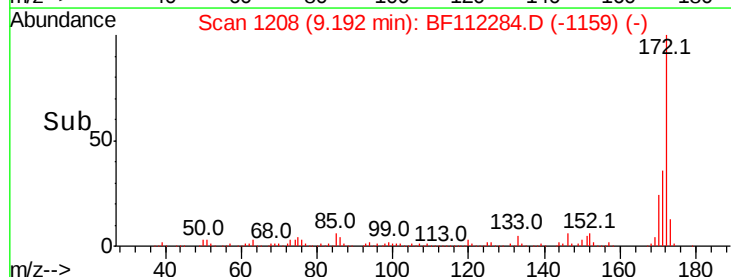
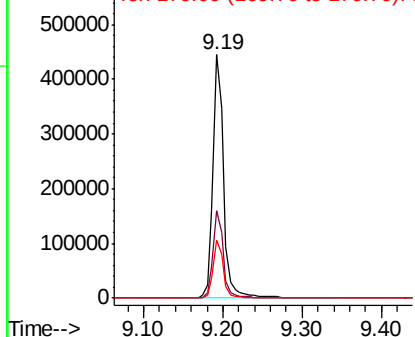
Lab File: BF112284.D

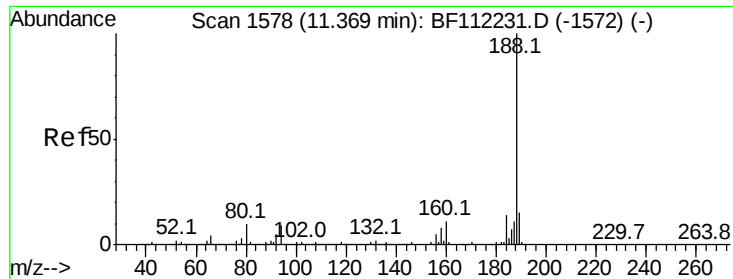
Acq: 28 Jan 2019 19:39

Tgt Ion:	172	Resp:	415165
Ion Ratio	Lower	Upper	
172	100		
171	35.7	30.5	45.7
170	23.6	20.2	30.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





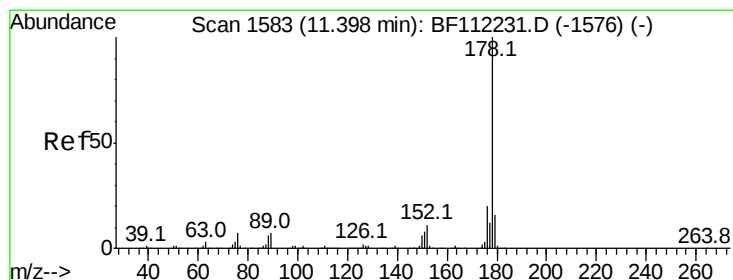
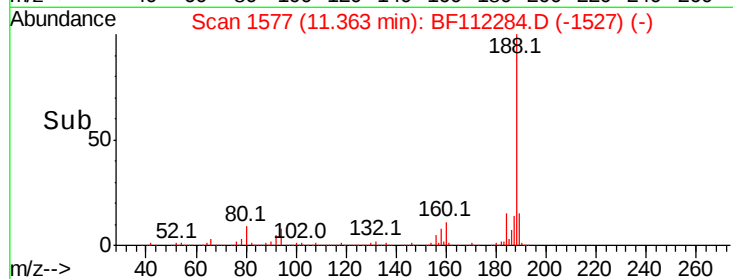
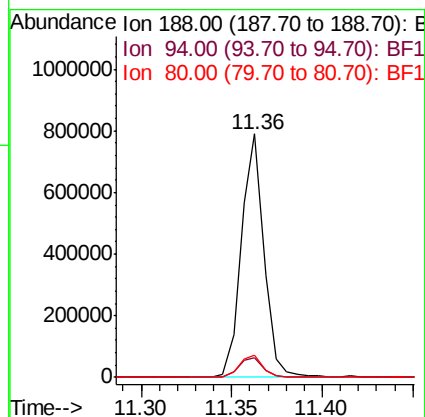
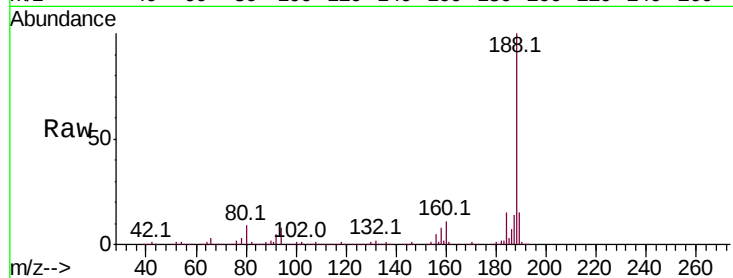
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112284.D
Acq: 28 Jan 2019 19:39

Instrument :
BNA_F
ClientSampleId :
OR-01-012519-A

Tot Ion:	188	Resp:	683510
Ion Ratio	Lower	Upper	
188	100		
94	8.3	8.2	12.2
80	8.9	8.9	13.3

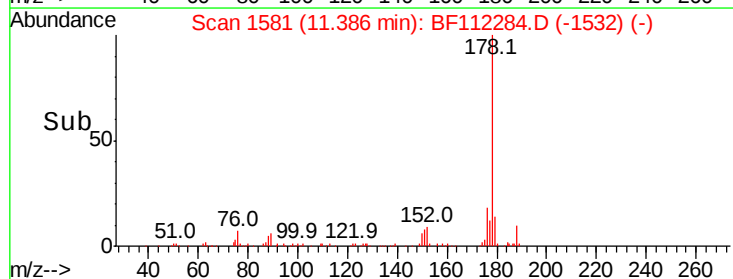
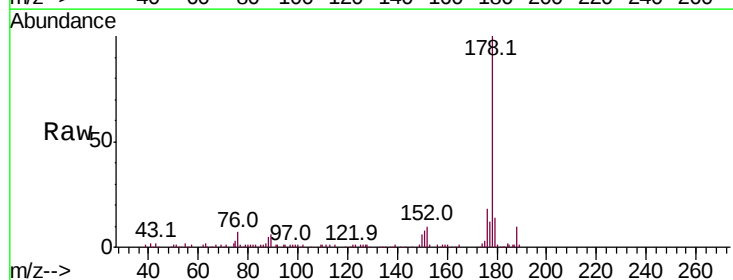
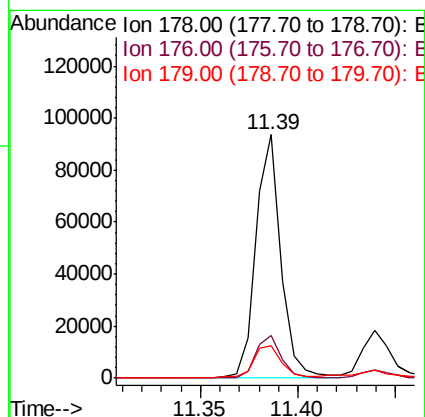
Manual Integrations
APPROVED

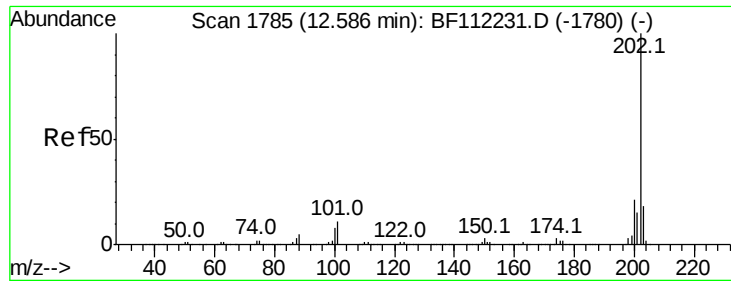
mohammad
1/29/2019 9:35:15 AM



#71
Phenanthrene
Concen: 2.349 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112284.D
Acq: 28 Jan 2019 19:39

Tgt Ion:	178	Resp:	83481
Ion Ratio	Lower	Upper	
178	100		
176	17.7	16.3	24.5
179	13.6	13.0	19.4





#75

Fluoranthene

Concen: 3.258 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

Instrument :

BNA_F

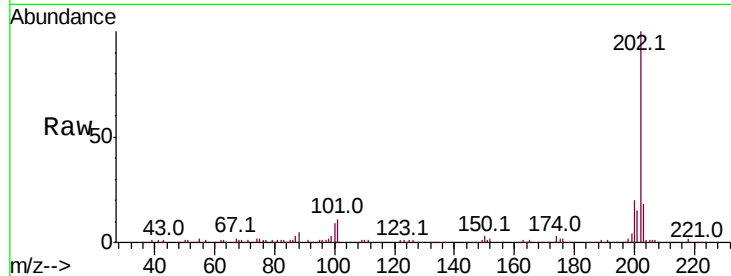
ClientSampleId :

OR-01-012519-A

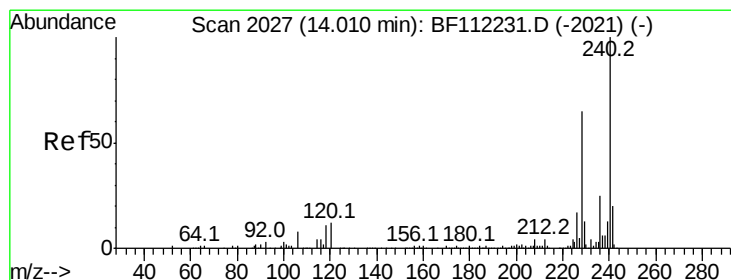
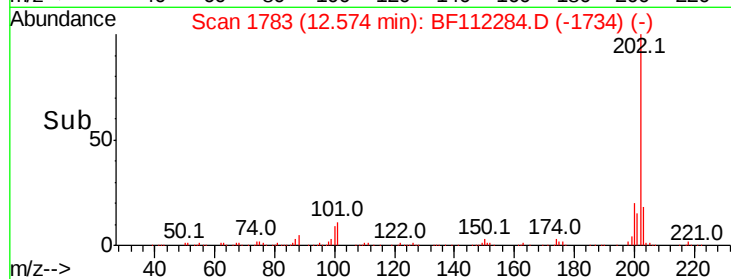
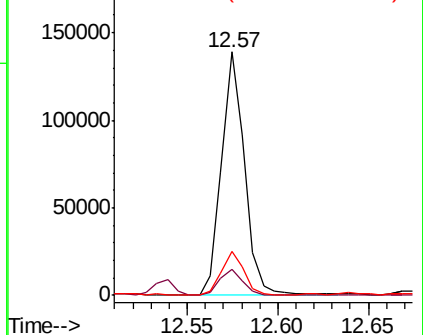
Tot Ion	Ratio	Resp	Lower	Upper
202	100	124172		
101	10.8	0.0	31.8	
203	18.0	0.0	38.4	

Manual Integrations
APPROVED

mohammad
1/29/2019 9:35:15 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



#76

Chrysene-d12

Concen: 20.000 ng

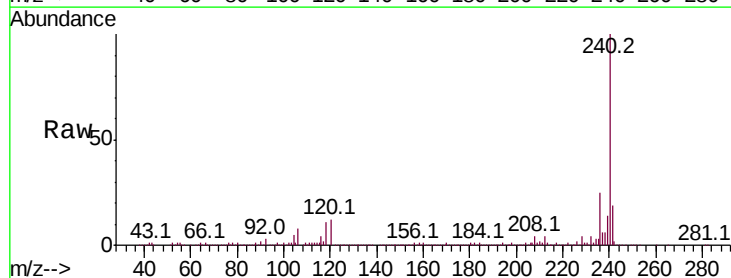
RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

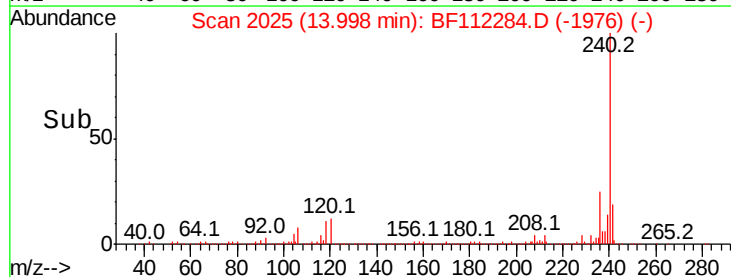
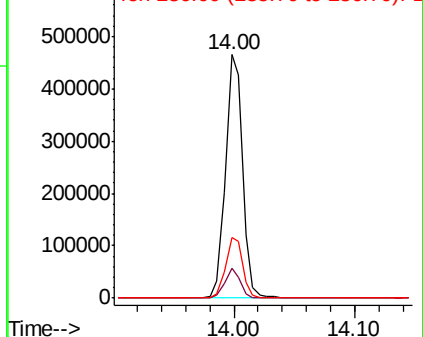
Lab File: BF112284.D

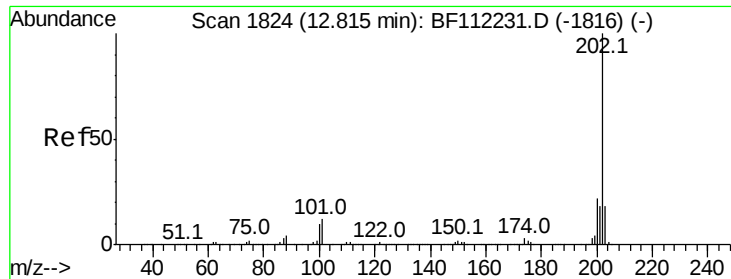
Acq: 28 Jan 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	454394		
120	12.1	9.0	13.6	
236	24.8	20.7	31.1	



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





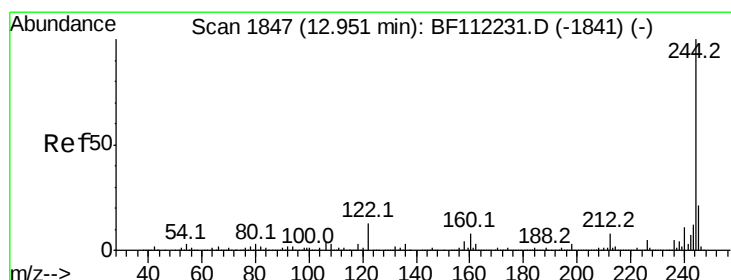
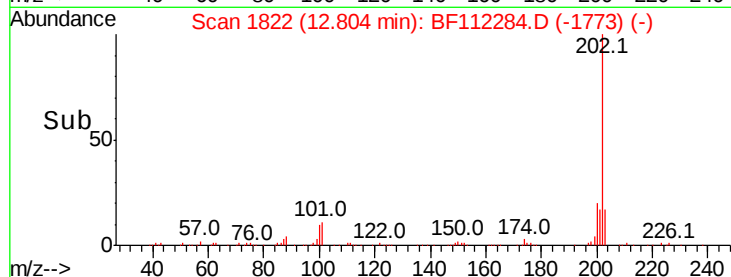
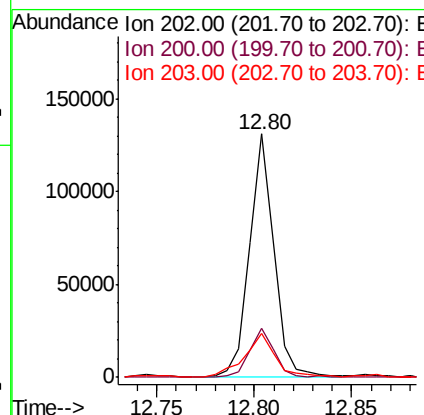
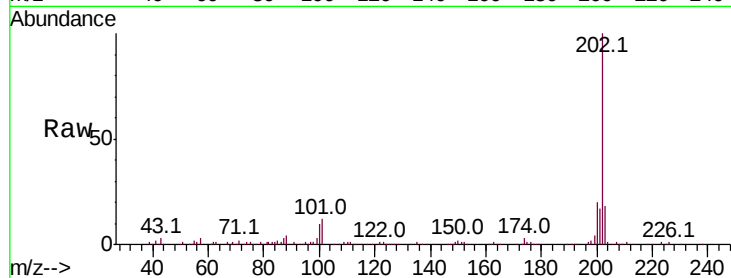
#78
Pvrene
Concen: 3.653 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112284.D
Acq: 28 Jan 2019 19:39

Instrument :
BNA_F
ClientSampleId :
OR-01-012519-A

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.9	17.7	26.5	
203	17.8	14.6	22.0	

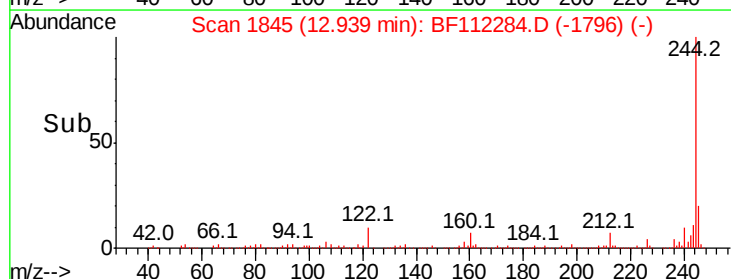
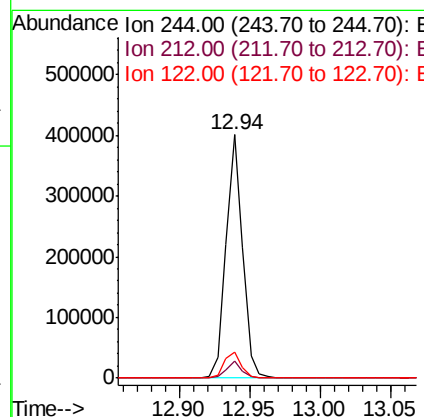
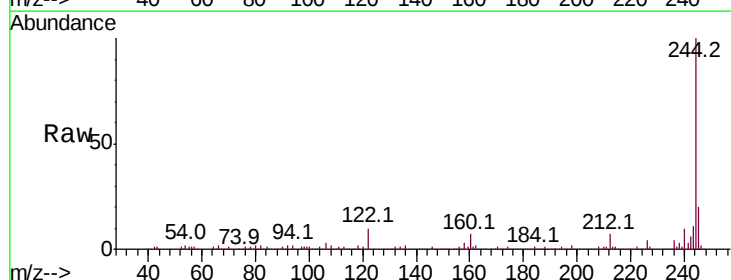
Manual Integrations
APPROVED

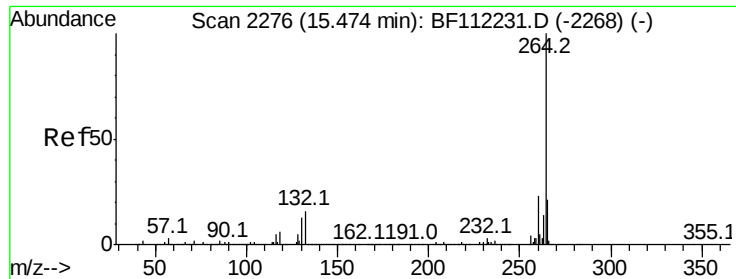
mohammad
1/29/2019 9:35:15 AM



#79
Terphenyl-d14
Concen: 13.536 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112284.D
Acq: 28 Jan 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.8	5.9	8.9	
122	10.4	9.8	14.6	





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

Instrument :

BNA_F

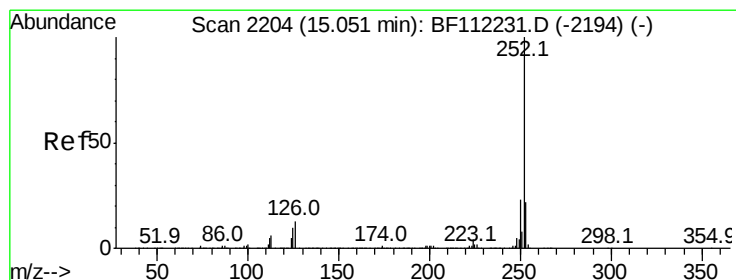
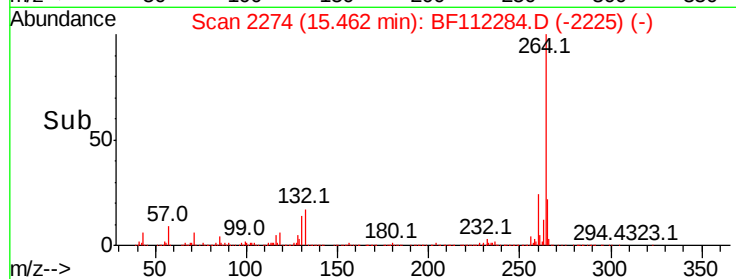
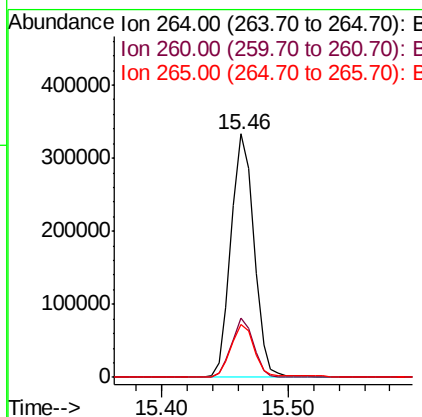
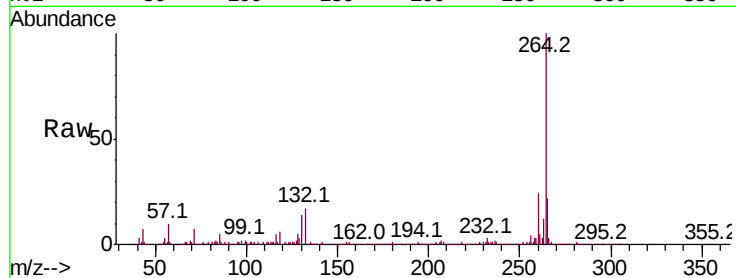
ClientSampleId :

OR-01-012519-A

Tot Ion:	264	Resp:	420429
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.2	27.2
265	21.7	17.0	25.4

Manual Integrations
APPROVED

mohammad
1/29/2019 9:35:15 AM



#88

Benzo(b)fluoranthene

Concen: 2.216 ng m

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

Tgt Ion:	252	Resp:	55727
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.0	27.0
125	12.9	8.7	13.1

