

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
 Data File : BF114730.D
 Acq On : 1 Jun 2019 1:54
 Operator : HP/JU
 Sample : K2639-07 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-053019-B

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:49:46 AM

Quant Time: Jun 01 03:30:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	445988	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1640123	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	712668	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1124936	20.00	ng	0.00
76) Chrysene-d12	13.82	240	812023	20.00	ng	0.00
87) Perylene-d12	15.20	264	725688	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1336949	52.63	ng	0.00
7) Phenol-d6	6.33	99	1619956	52.92	ng	0.00
23) Nitrobenzene-d5	7.25	82	949561	36.12	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	332370	48.95	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	1643810	33.66	ng	0.00
79) Terphenyl-d14	12.77	244	1231192	28.51	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.44	163	272573	5.489	ng	99
71) Phenanthrene	11.22	178	166002	2.893	ng	95
75) Fluoranthene	12.39	202	238598	4.015	ng	97
78) Pyrene	12.62	202	222248	3.235	ng	95
88) Benzo(b)fluoranthene	14.81	252	136193m	2.980	ng	
90) Benzo(a)pyrene	15.14	252	96467	2.402	ng	# 91

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

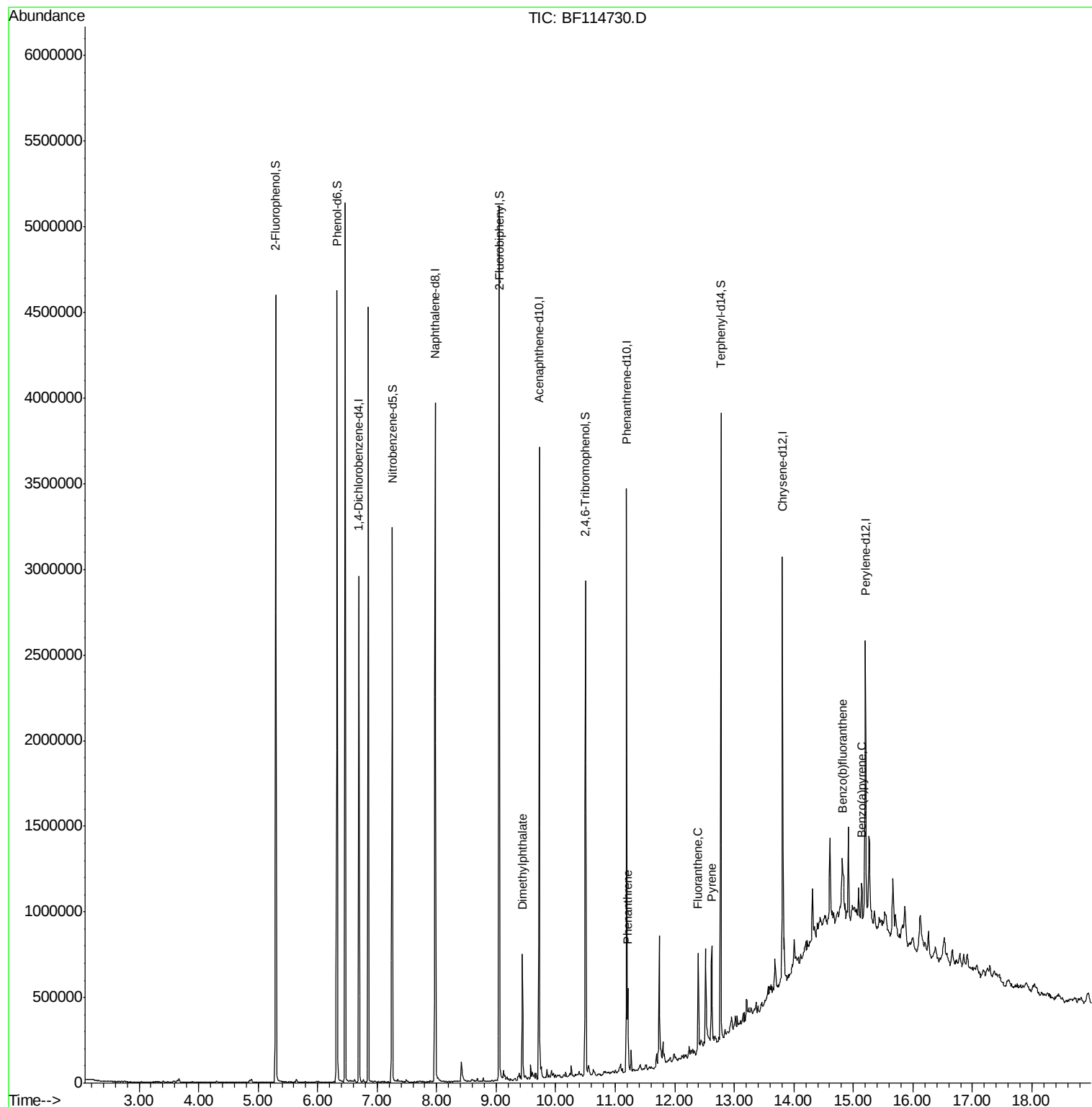
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
Data File : BF114730.D
Acq On : 1 Jun 2019 1:54
Operator : HP/JU
Sample : K2639-07 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-07-053019-B

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:46 AM

Quant Time: Jun 01 03:30:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration





#1

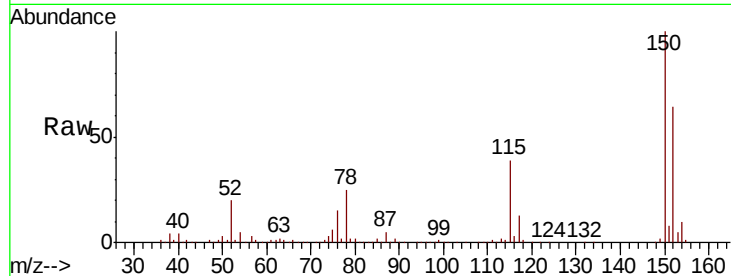
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF114730.D
Acq: 1 Jun 2019 1:54

Instrument :
BNA_F
ClientSampleId :
NB-07-053019-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.4	186.6
115	61.8	48.7	73.1

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:46 AM

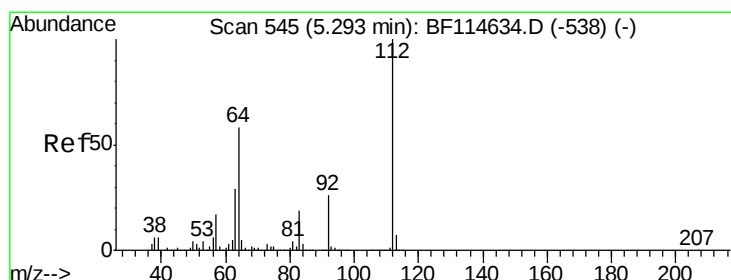
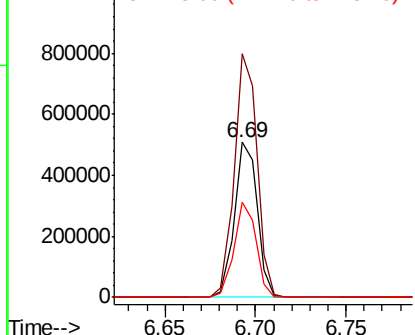
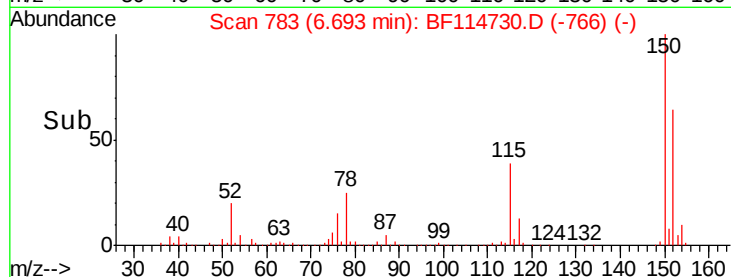


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

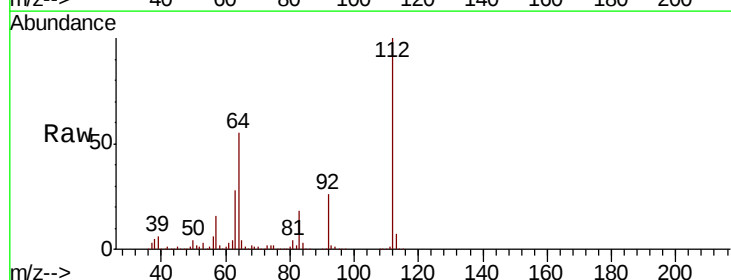
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 52.631 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.01 min
Lab File: BF114730.D
Acq: 1 Jun 2019 1:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	46.1	69.1
63	28.1	23.4	35.2

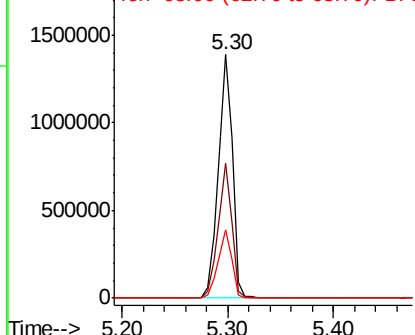
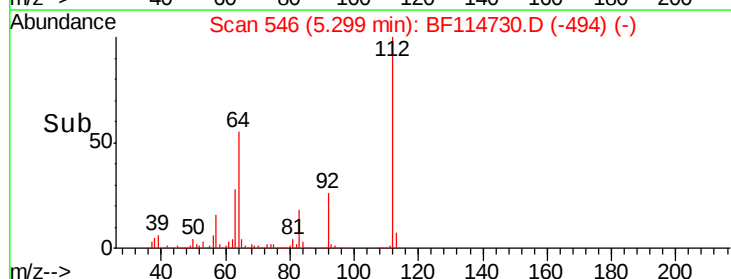


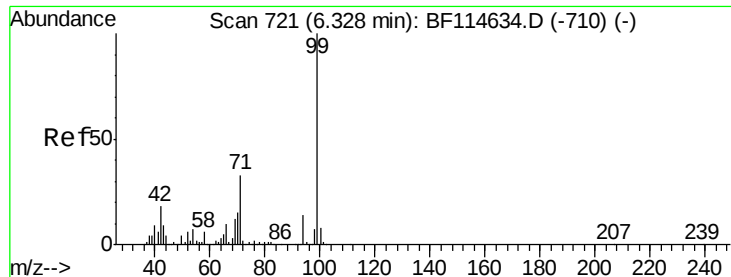
Abundance

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: 52.922 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF114730.D

Acq: 1 Jun 2019 1:54

Instrument :

BNA_F

ClientSampleId :

NB-07-053019-B

Tot Ion: 99 Resp: 1619956

Ion Ratio Lower Upper

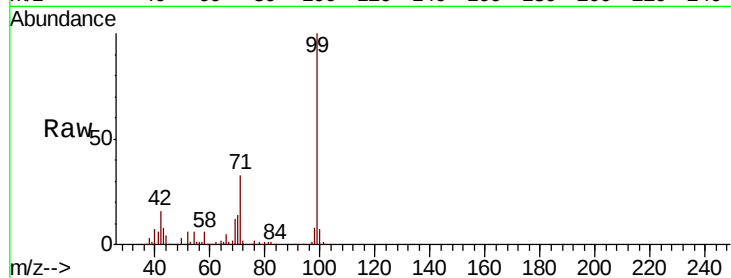
99 100

42 16.4 14.7 22.1

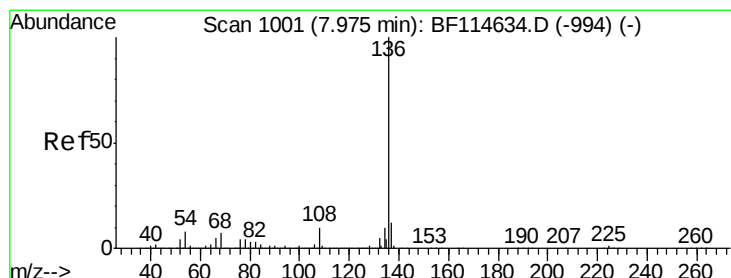
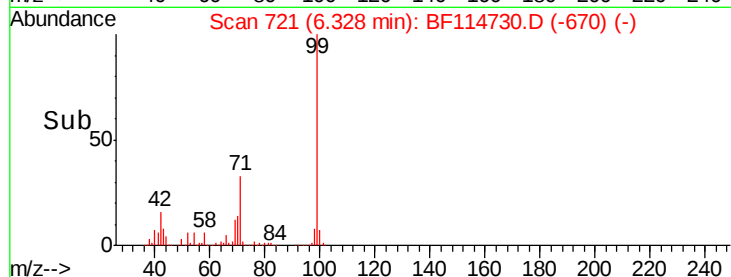
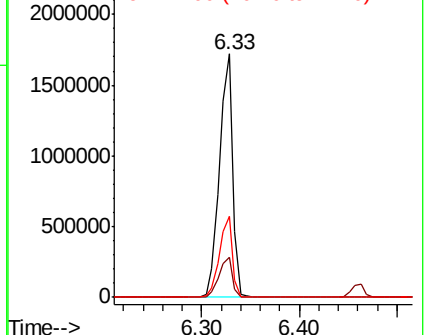
71 33.1 26.6 40.0

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:46 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: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF114730.D

Acq: 1 Jun 2019 1:54

Tgt Ion: 136 Resp: 1640123

Ion Ratio Lower Upper

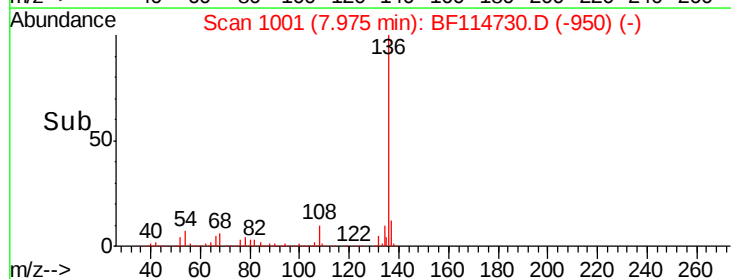
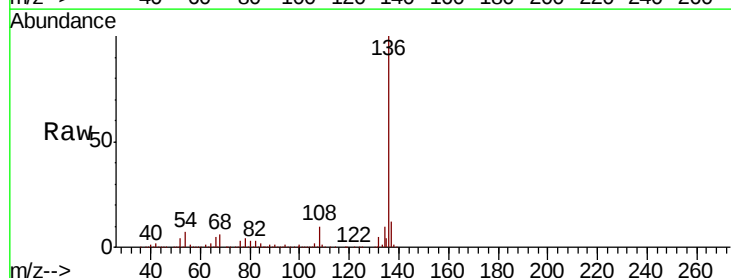
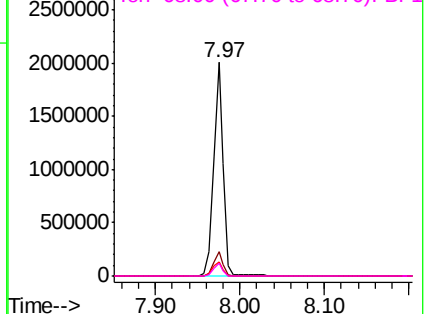
136 100

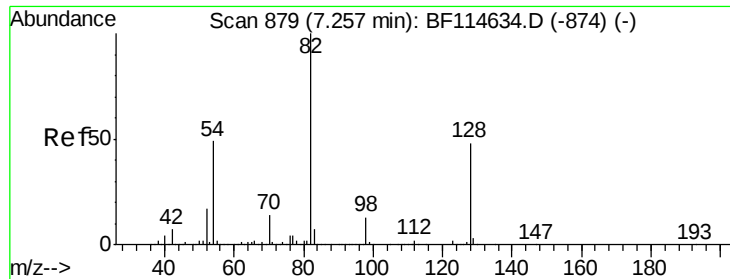
137 11.6 9.3 13.9

54 6.9 6.3 9.5

68 5.8 5.4 8.0

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





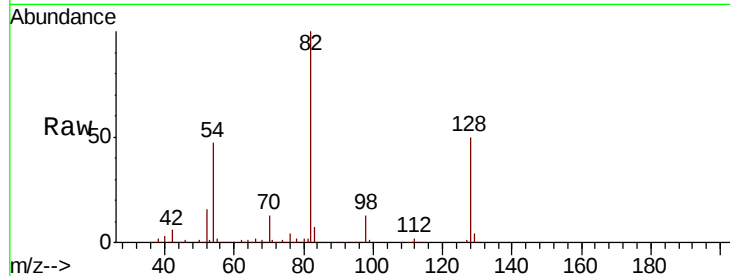
#23
 Nitrobenzene-d5
 Concen: 36.121 ng
 RT: 7.25 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: BF114730.D
 Acq: 1 Jun 2019 1:54

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-053019-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.3	38.5	57.7
54	47.0	39.1	58.7

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:49:46 AM

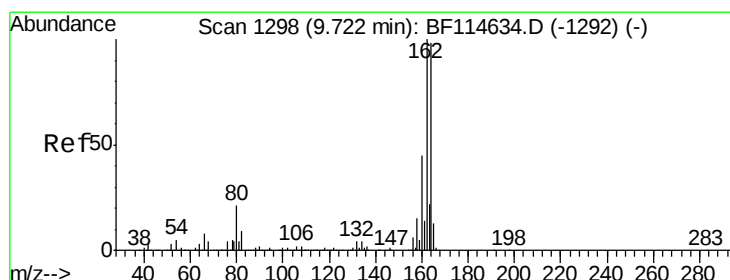
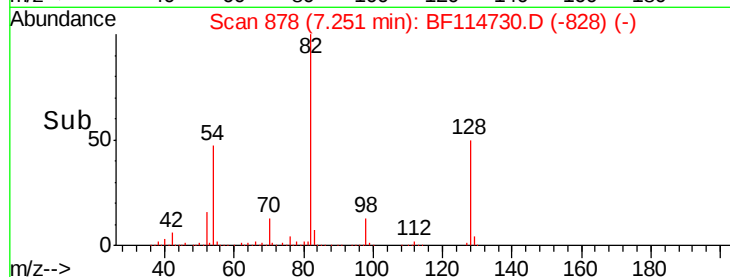
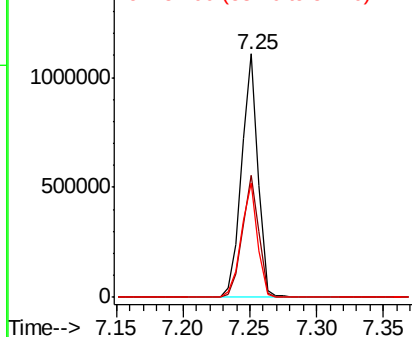


Abundance

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: 9.72 min Scan# 1298
 Delta R.T. 0.00 min
 Lab File: BF114730.D
 Acq: 1 Jun 2019 1:54

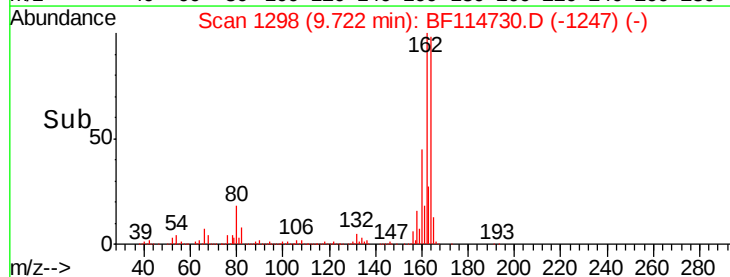
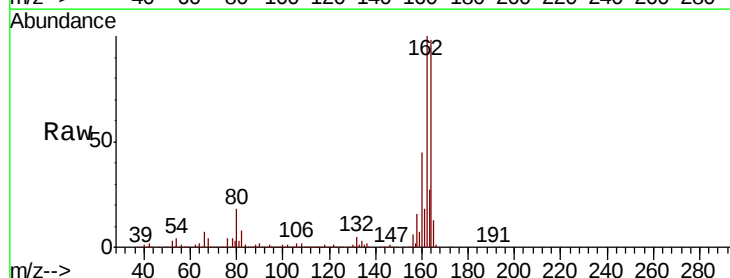
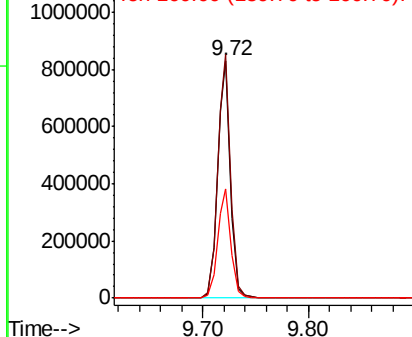
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.4	122.2
160	46.2	36.6	54.8

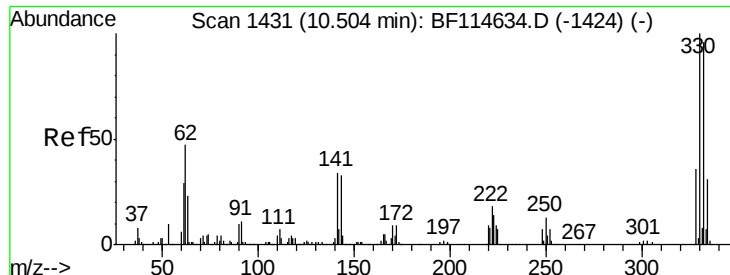
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





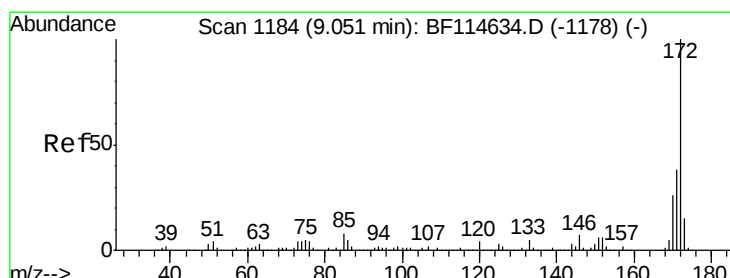
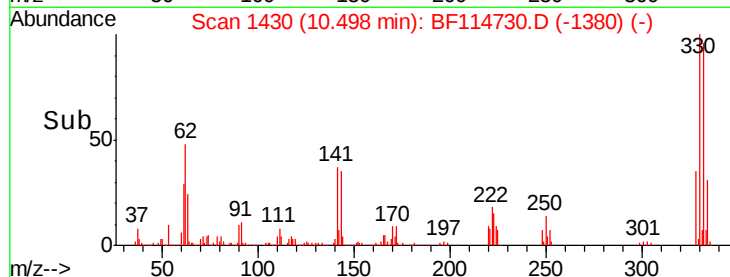
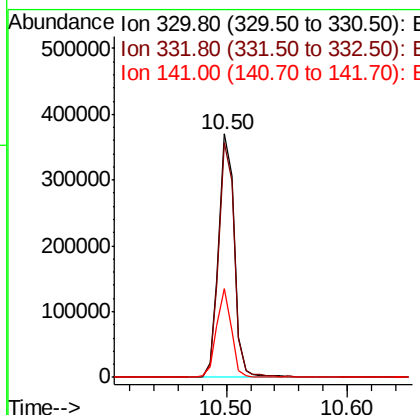
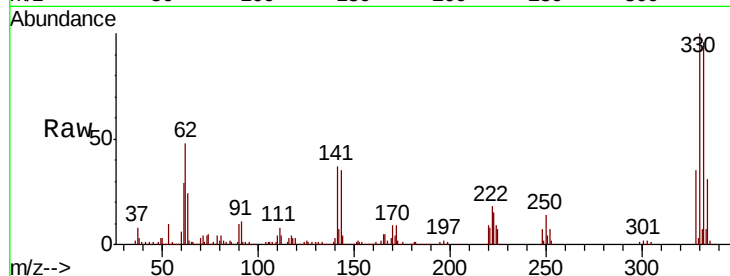
#42
 2,4,6-Tribromophenol
 Concen: 48.946 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: BF114730.D
 Acq: 1 Jun 2019 1:54

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-053019-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	75.8	113.8	
141	34.7	27.8	41.8	

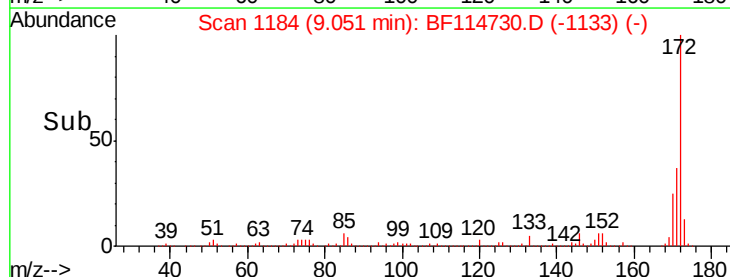
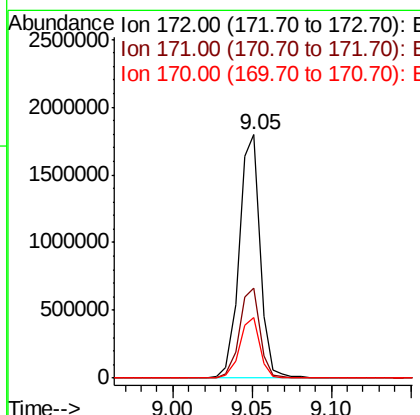
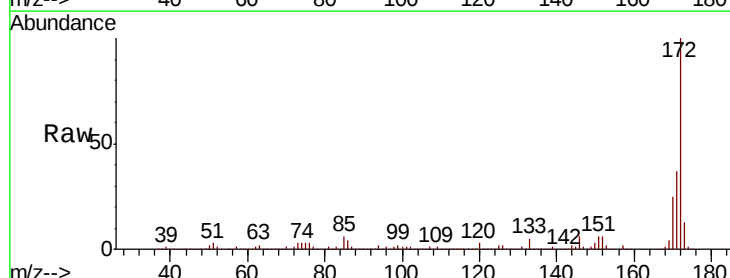
Manual Integrations
 APPROVED

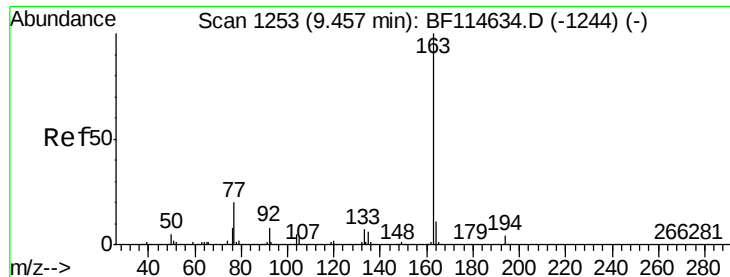
mohammad
 6/3/2019 8:49:46 AM



#45
 2-Fluorobiphenyl
 Concen: 33.664 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114730.D
 Acq: 1 Jun 2019 1:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.8	30.6	45.8	
170	24.8	20.7	31.1	





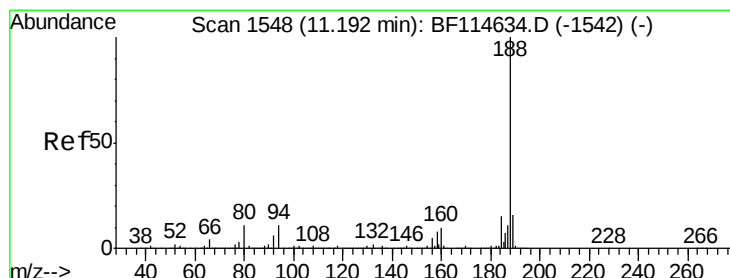
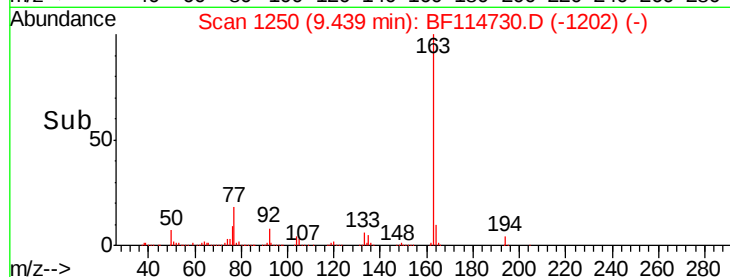
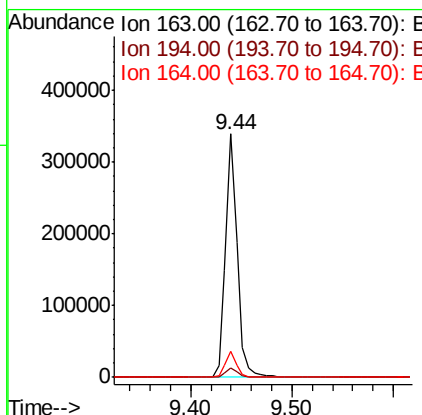
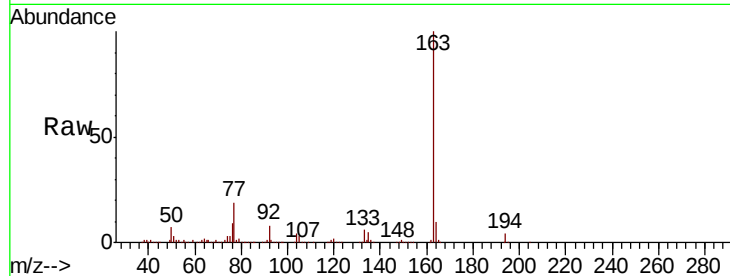
#50
Dimethylphthalate
Concen: 5.489 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF114730.D
Acq: 1 Jun 2019 1:54

Instrument :
BNA_F
ClientSampleId :
NB-07-053019-B

Tot Ion	Ratio	Resp	Lower	Upper
163	100	272573		
194	4.1		3.4	5.0
164	10.4		8.6	13.0

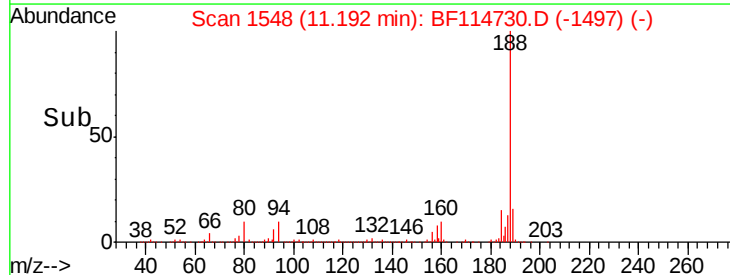
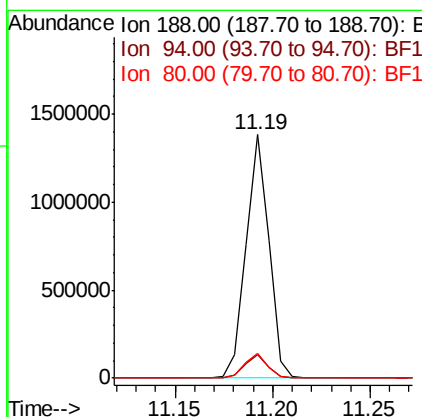
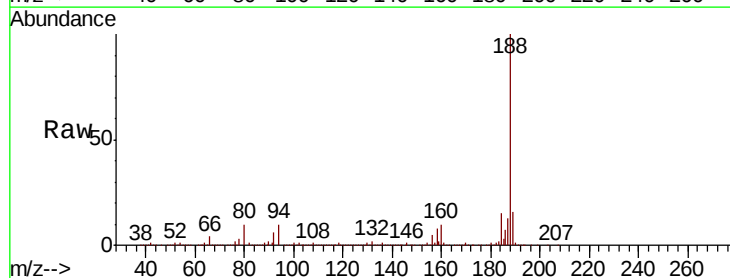
Manual Integrations
APPROVED

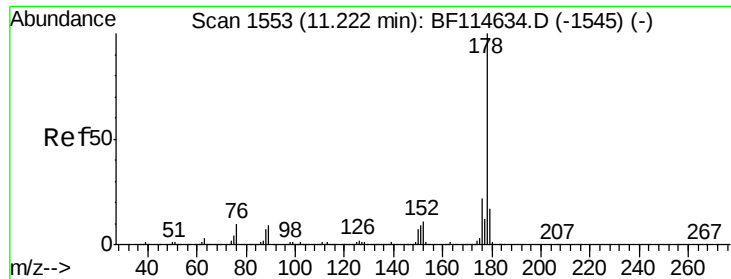
mohammad
6/3/2019 8:49:46 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.00 min
Lab File: BF114730.D
Acq: 1 Jun 2019 1:54

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	1124936		
94	9.8		8.6	13.0
80	10.1		9.0	13.6





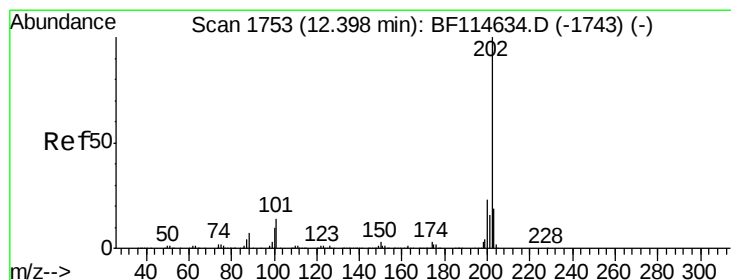
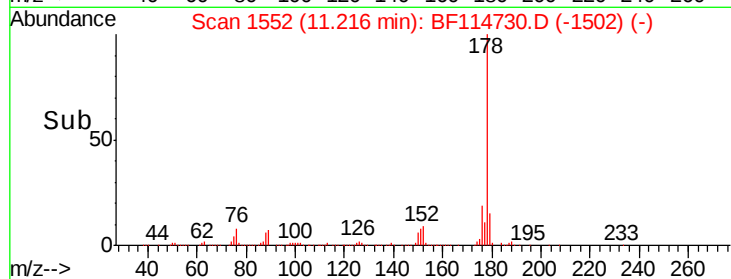
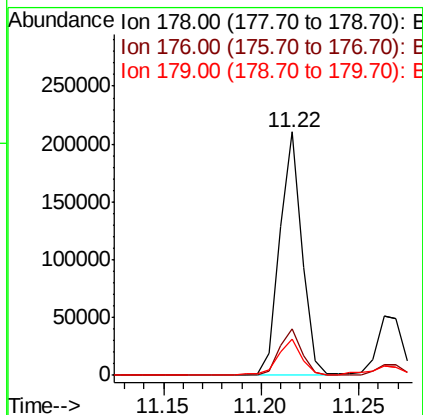
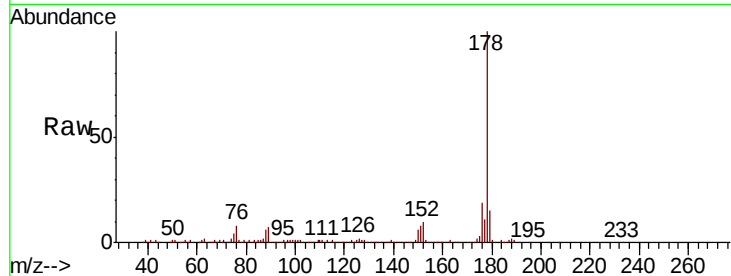
#71
Phenanthrene
Concen: 2.893 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BF114730.D
Acq: 1 Jun 2019 1:54

Instrument :
BNA_F
ClientSampleId :
NB-07-053019-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	17.2	25.8
179	15.1	13.9	20.9

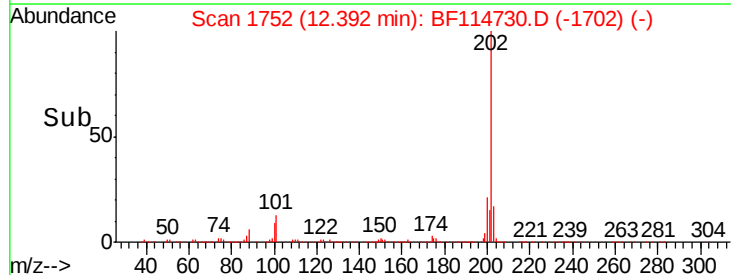
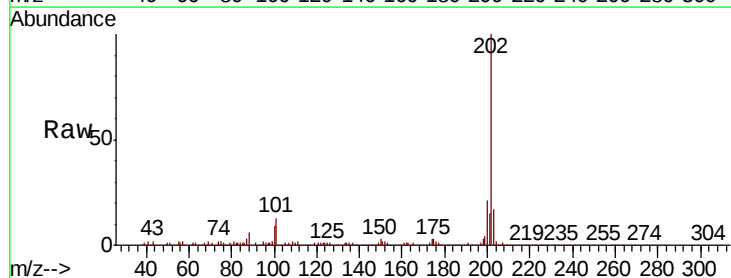
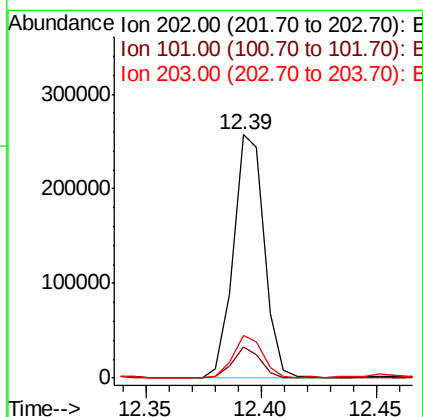
Manual Integrations
APPROVED

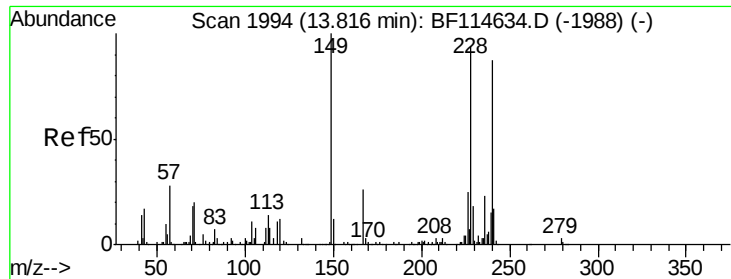
mohammad
6/3/2019 8:49:46 AM



#75
Fluoranthene
Concen: 4.015 ng
RT: 12.39 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BF114730.D
Acq: 1 Jun 2019 1:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.9
203	17.4	0.0	39.1





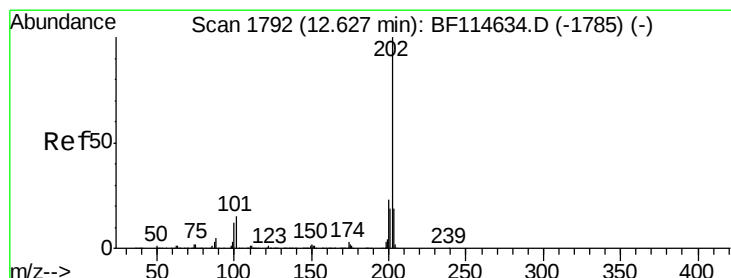
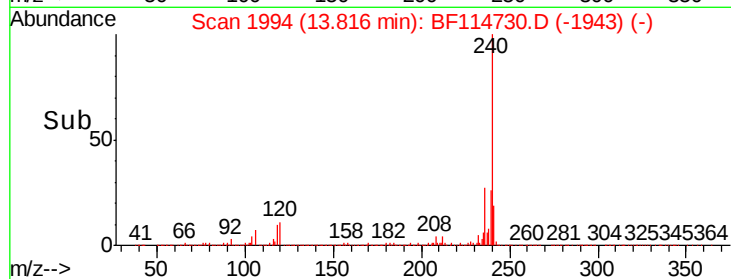
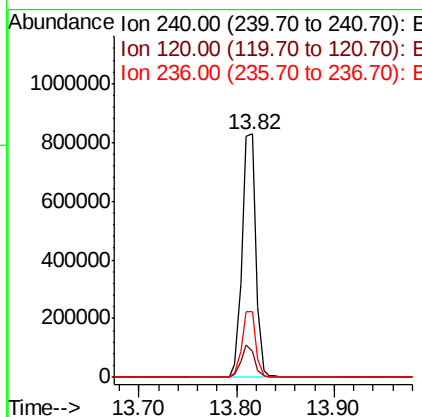
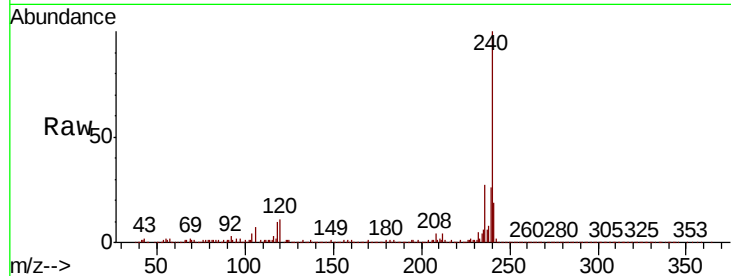
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1994
Delta R.T. 0.00 min
Lab File: BF114730.D
Acq: 1 Jun 2019 1:54

Instrument :
BNA_F
ClientSampleId :
NB-07-053019-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	11.2	16.8#
236	26.9	21.2	31.8

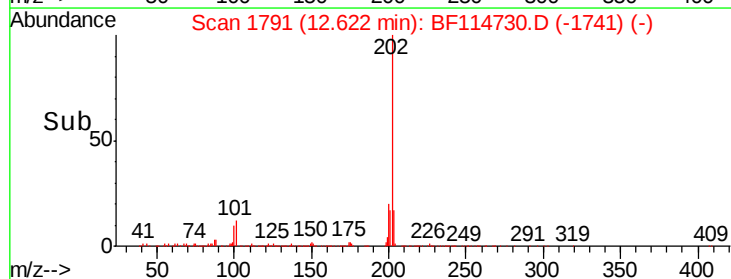
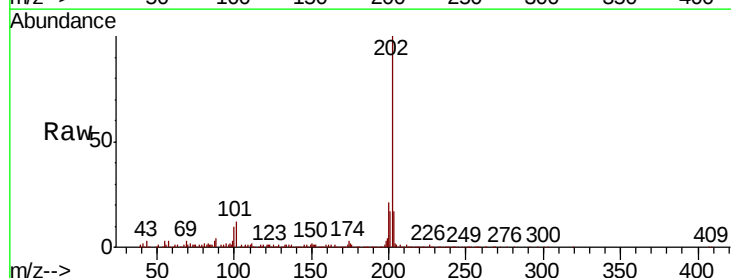
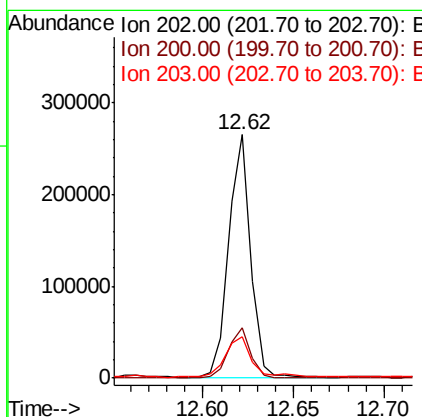
Manual Integrations
APPROVED

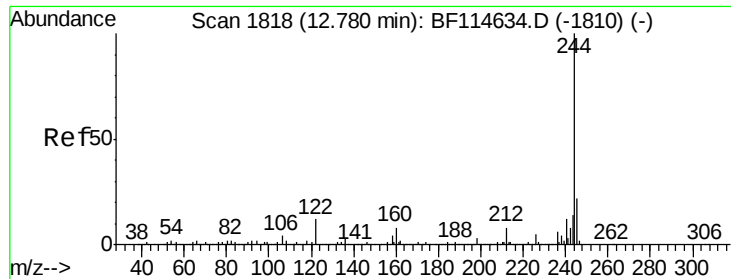
mohammad
6/3/2019 8:49:46 AM



#78
Pyrene
Concen: 3.235 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF114730.D
Acq: 1 Jun 2019 1:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	18.6	28.0
203	17.2	15.4	23.2





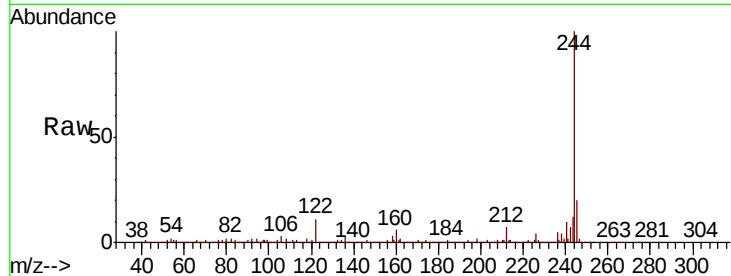
#79
 Terphenyl-d14
 Concen: 28.507 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: BF114730.D
 Acq: 1 Jun 2019 1:54

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-053019-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.1	9.1
122	10.7	9.8	14.8

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:49:46 AM

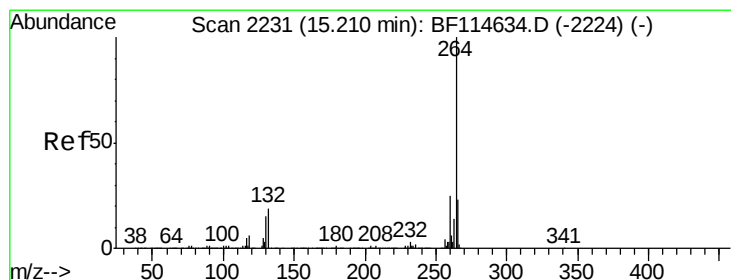
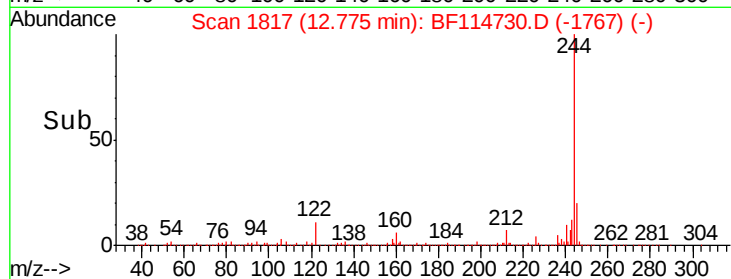
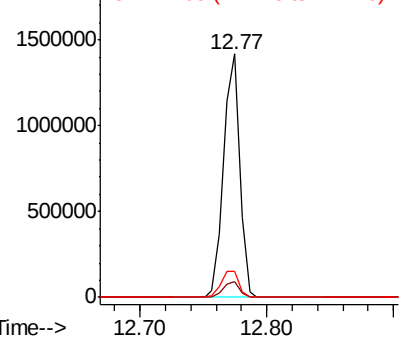


Abundance

Ion 244.00 (243.70 to 244.70): E

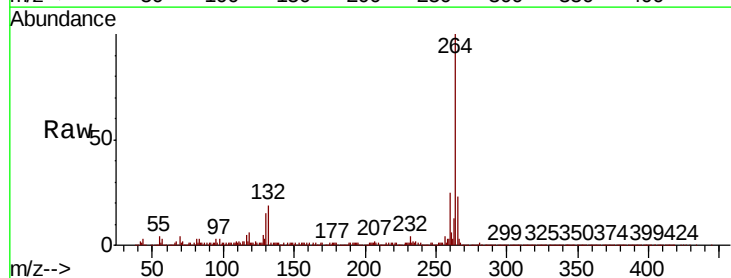
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF114730.D
 Acq: 1 Jun 2019 1:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.7	29.5
265	22.7	18.1	27.1

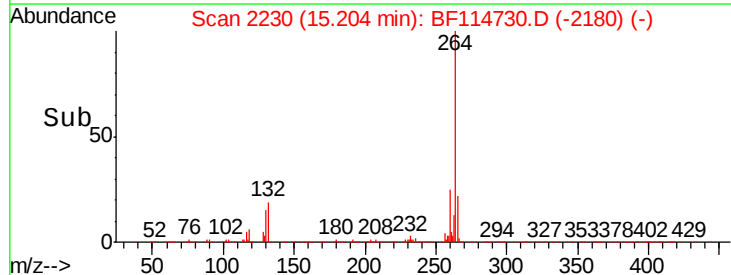
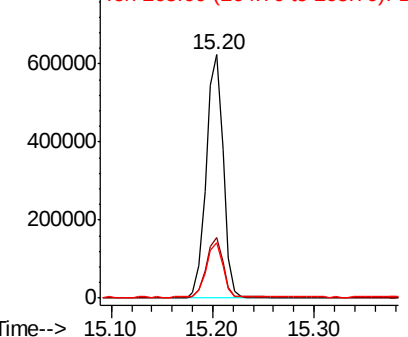


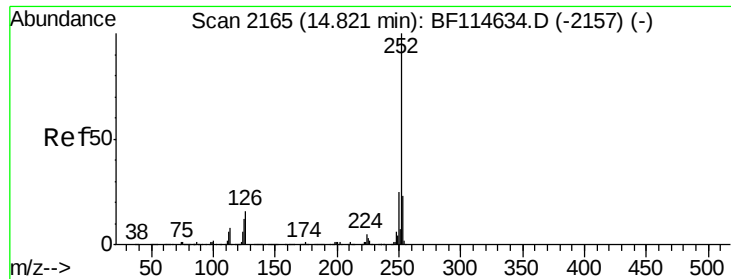
Abundance

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: 2.980 ng m

RT: 14.81 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BF114730.D

Acq: 1 Jun 2019 1:54

Instrument :

BNA_F

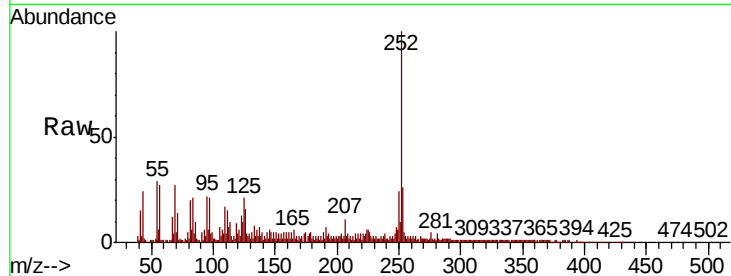
ClientSampleId :

NB-07-053019-B

Tot Ion:	252	Resp:	136193
Ion Ratio	Lower	Upper	
252	100		
253	25.7	18.7	28.1
125	20.6	9.4	14.2#

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:46 AM

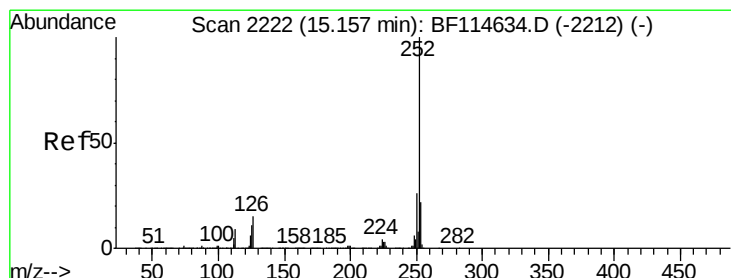
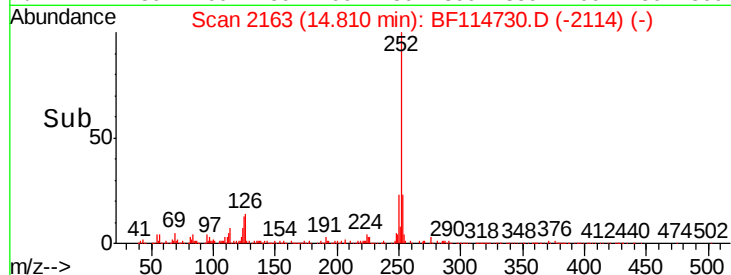
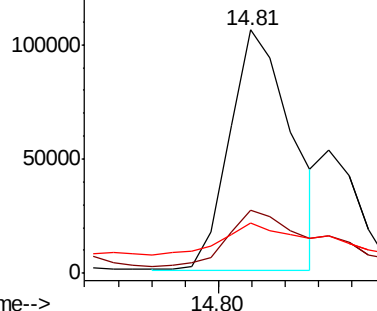


Abundance

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



#90

Benzo(a)pyrene

Concen: 2.402 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.02 min

Lab File: BF114730.D

Acq: 1 Jun 2019 1:54

Tgt Ion:	252	Resp:	96467
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.0	27.0
125	20.4	9.2	13.8#

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

