

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
 Data File : BF117221.D
 Acq On : 24 Sep 2019 17:53
 Operator : JU
 Sample : K5010-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BSP-2

Manual Integrations
 APPROVED

mohammad
 9/26/2019 8:24:03 AM

Quant Time: Sep 30 04:44:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	25815	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	105622	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	55648	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	90396	20.00	ng	0.00
76) Chrysene-d12	13.97	240	64525	20.00	ng	0.00
87) Perylene-d12	15.43	264	64988	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	159854	96.68	ng	0.00
7) Phenol-d6	6.45	99	219633	102.78	ng	0.00
23) Nitrobenzene-d5	7.37	82	135695	67.50	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	46799	100.62	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	252375	70.91	ng	0.00
79) Terphenyl-d14	12.92	244	248651	72.03	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	25257	6.410	ng	98
71) Phenanthrene	11.36	178	17668	3.441	ng	98
75) Fluoranthene	12.54	202	49439	9.371	ng	98
78) Pyrene	12.77	202	42785	7.902	ng	99
81) Benzo(a)anthracene	13.96	228	21651	5.022	ng	98
83) Chrysene	14.00	228	17367	4.130	ng	92
88) Benzo(b)fluoranthene	15.01	252	18408m	4.676	ng	
90) Benzo(a)pyrene	15.37	252	12129	3.511	ng	# 87
92) Benzo(g,h,i)perylene	17.32	276	6258	2.282	ng	# 85

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

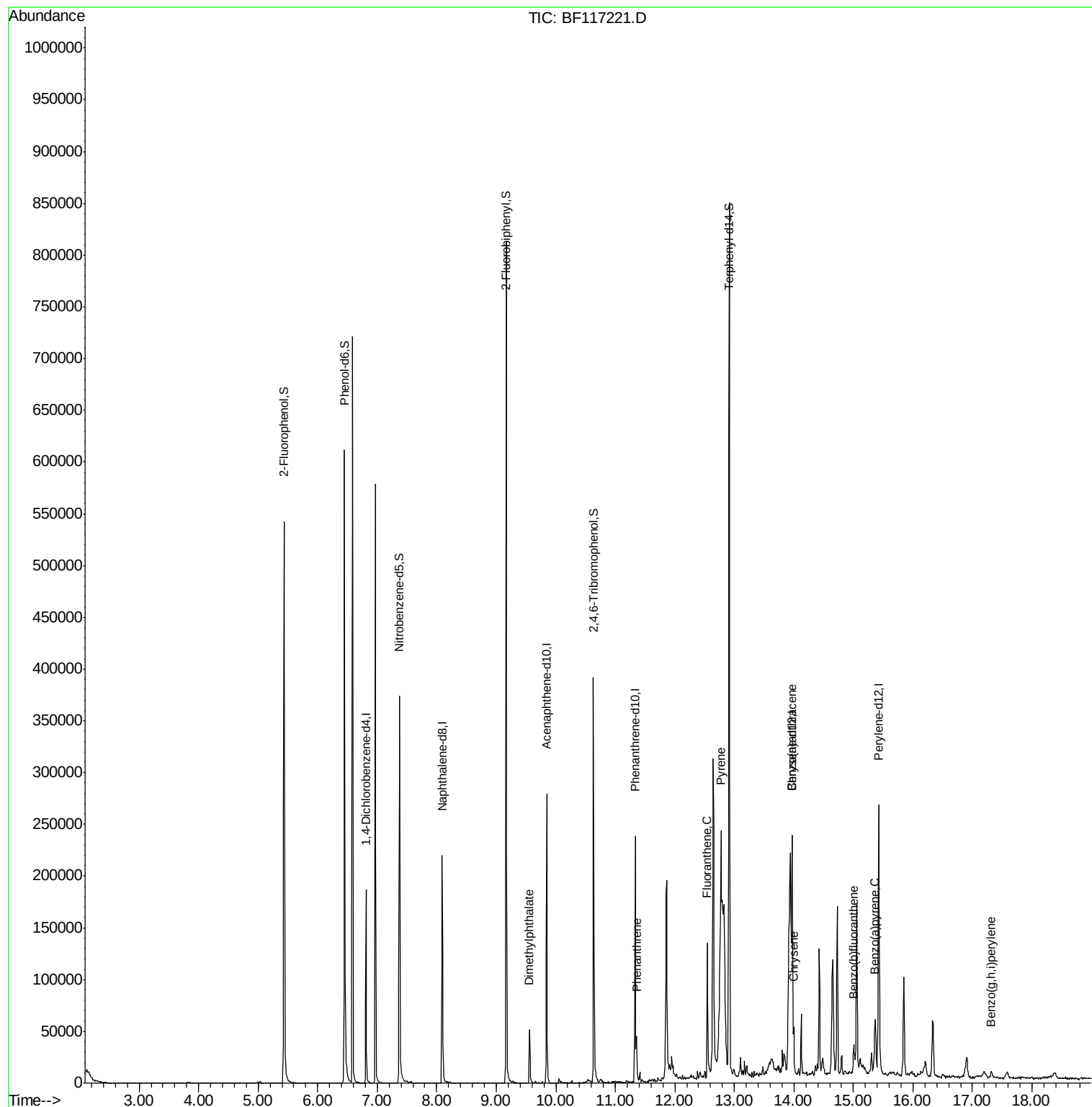
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
Data File : BF117221.D
Acq On : 24 Sep 2019 17:53
Operator : JU
Sample : K5010-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

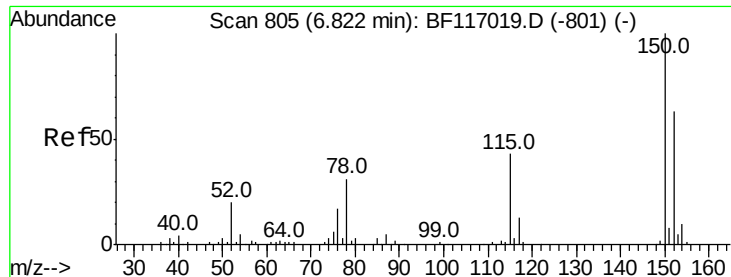
Instrument :
BNA_F
ClientSampleId :
BSP-2

Manual Integrations
APPROVED

mohammad
9/26/2019 8:24:03 AM

Quant Time: Sep 30 04:44:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration





#1

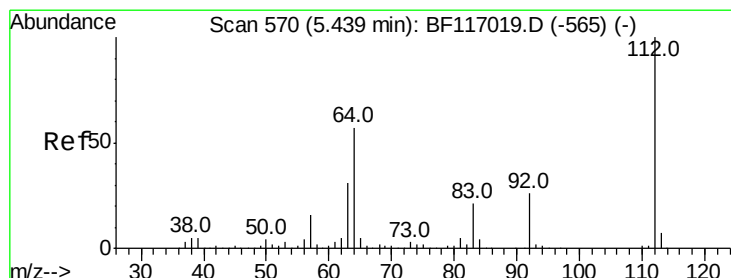
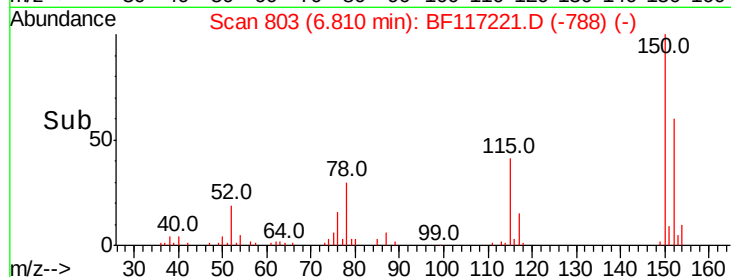
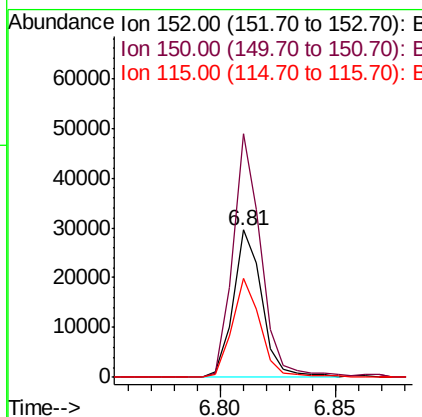
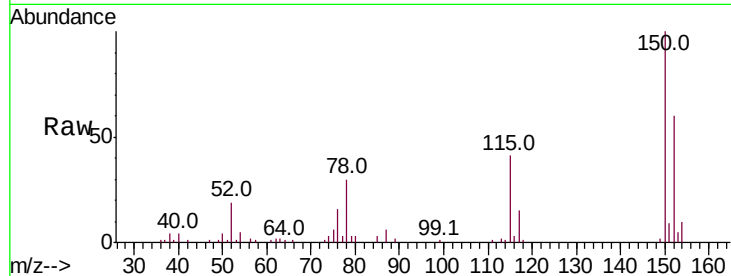
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Instrument :
BNA_F
ClientSampled :
BSP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.6	127.5	191.3
115	67.5	55.0	82.4

Manual Integrations
APPROVED

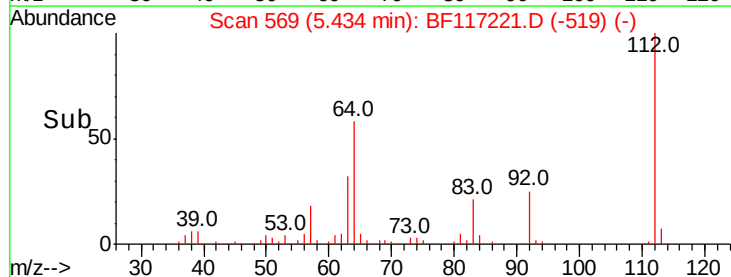
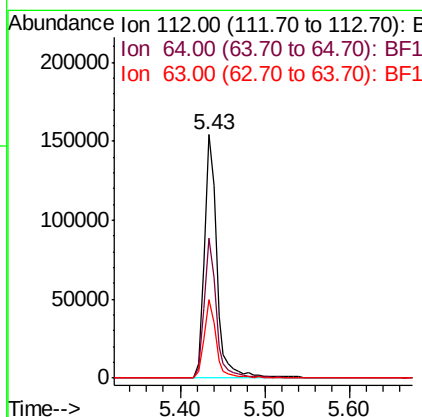
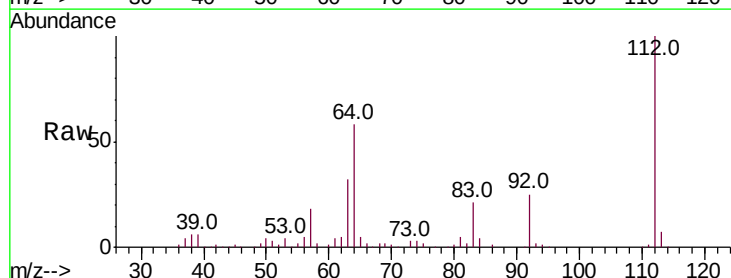
mohammad
9/26/2019 8:24:03 AM

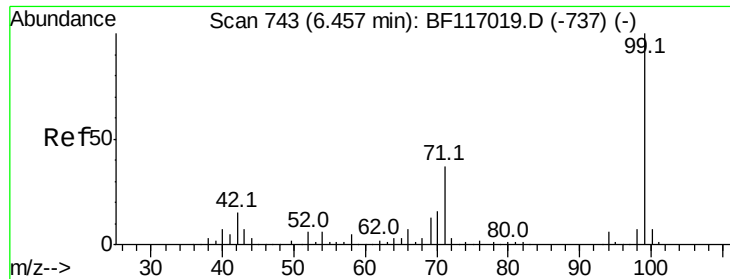


#5

2-Fluorophenol
Concen: 96.677 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	45.7	68.5
63	32.1	24.9	37.3





#7

Phenol-d6

Concen: 102.781 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117221.D

Acq: 24 Sep 2019 17:53

Instrument :

BNA_F

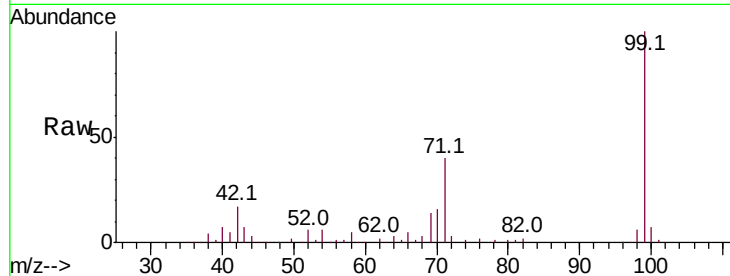
ClientSampled :

BSP-2

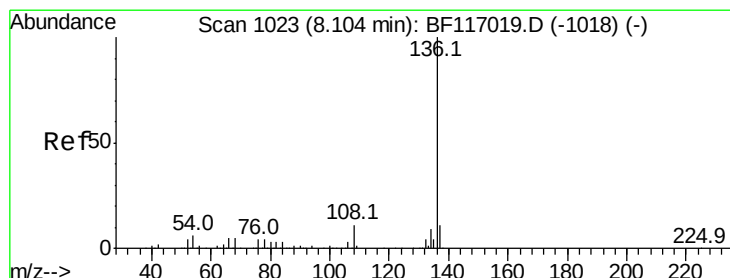
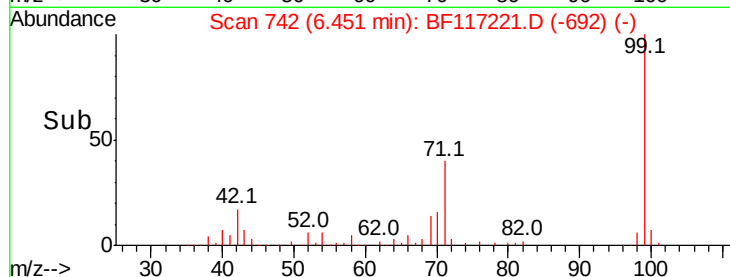
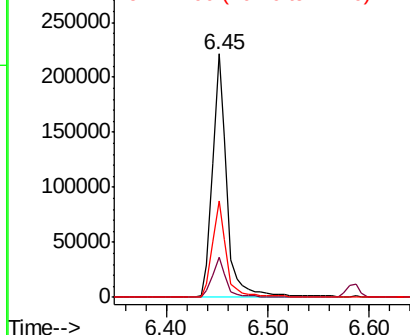
Tot Ion:	99	Resp:	219633
Ion Ratio	Lower	Upper	
99	100		
42	16.6	12.2	18.2
71	39.8	29.8	44.8

Manual Integrations
APPROVED

mohammad
9/26/2019 8:24:03 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: 8.09 min Scan# 1021

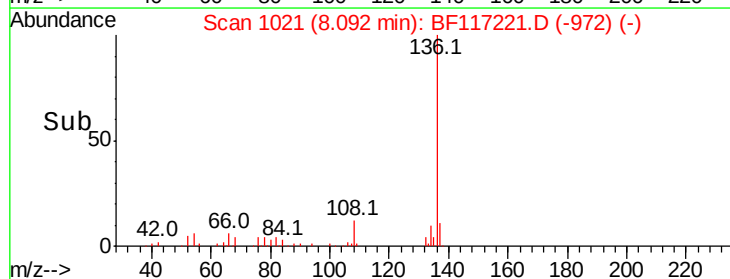
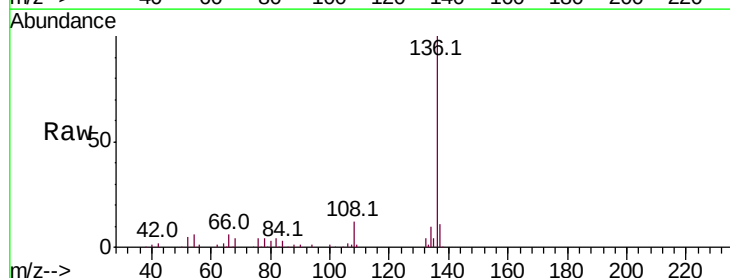
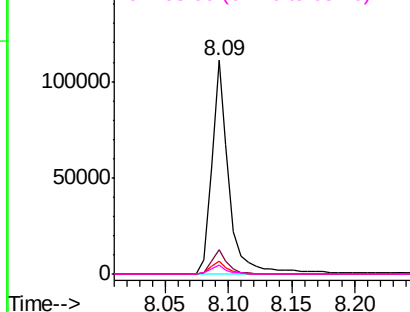
Delta R.T. -0.01 min

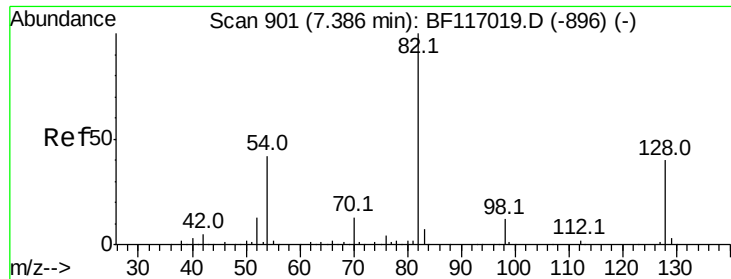
Lab File: BF117221.D

Acq: 24 Sep 2019 17:53

Tgt Ion:	136	Resp:	105622
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.4
54	6.0	4.5	6.7
68	4.3	4.0	6.0

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





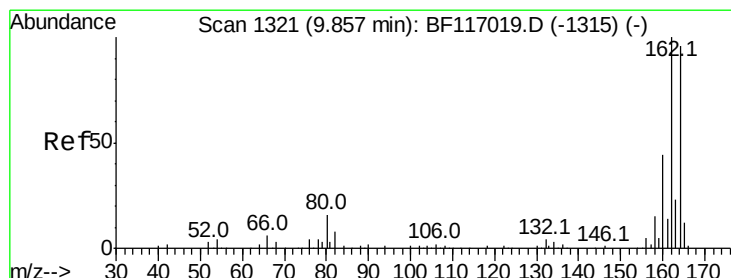
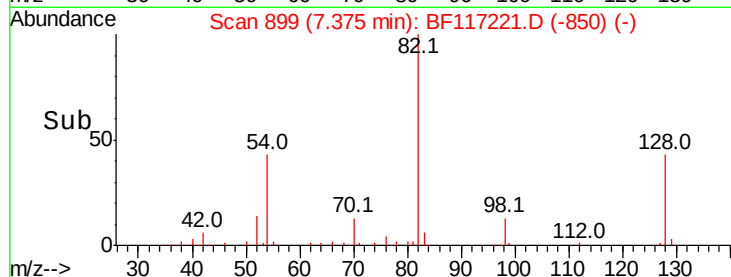
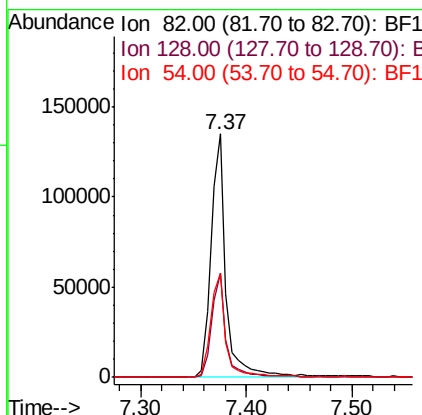
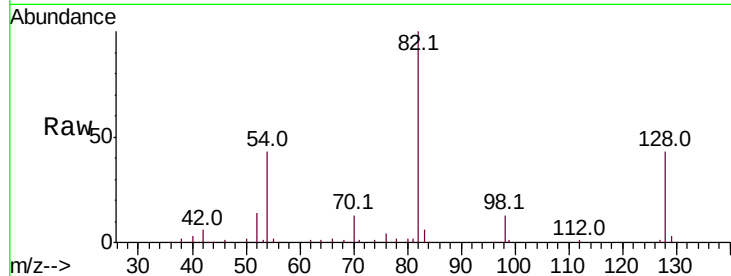
#23
 Nitrobenzene-d5
 Concen: 67.502 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF117221.D
 Acq: 24 Sep 2019 17:53

Instrument :
 BNA_F
 ClientSampled :
 BSP-2

Tot Ion	Ratio	Resp	Lower	Upper
82	100	135695		
128	43.0		32.3	48.5
54	42.7		33.3	49.9

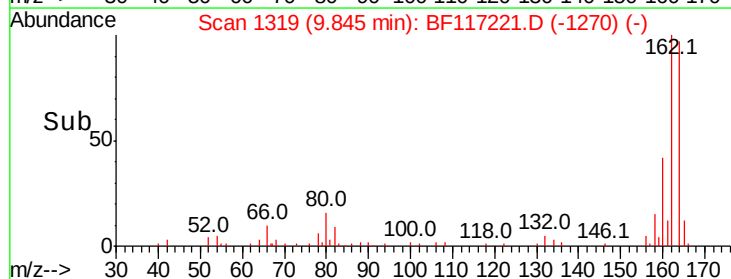
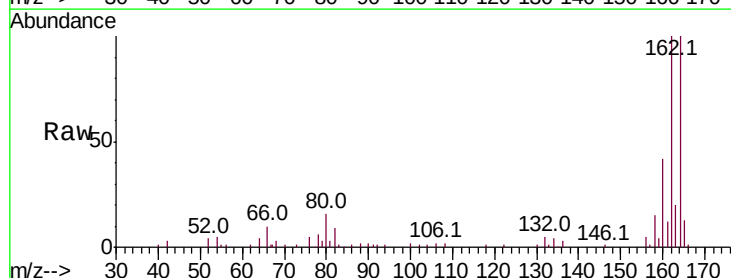
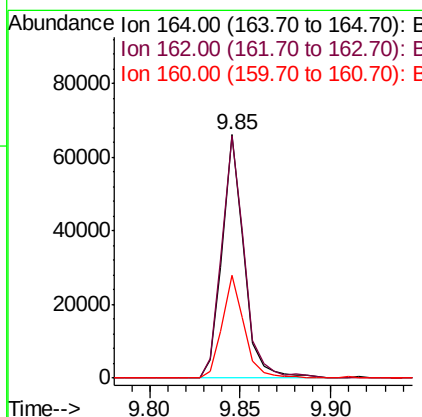
Manual Integrations
 APPROVED

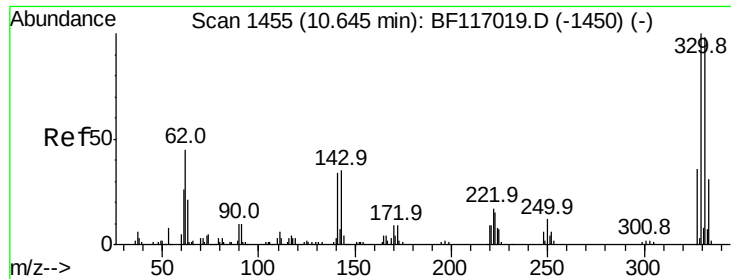
mohammad
 9/26/2019 8:24:03 AM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF117221.D
 Acq: 24 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	55648		
162	99.7		83.4	125.2
160	42.0		36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 100.624 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117221.D

Acq: 24 Sep 2019 17:53

Instrument :

BNA_F

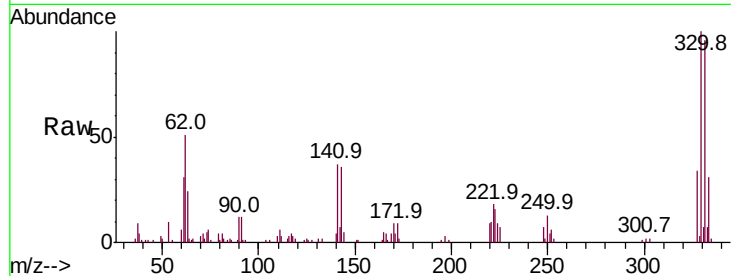
ClientSampled :

BSP-2

Tot Ion:	330	Resp:	46799
Ion Ratio	Lower	Upper	
330	100		
332	96.5	78.0	117.0
141	46.6	35.8	53.6

Manual Integrations
APPROVED

mohammad
9/26/2019 8:24:03 AM

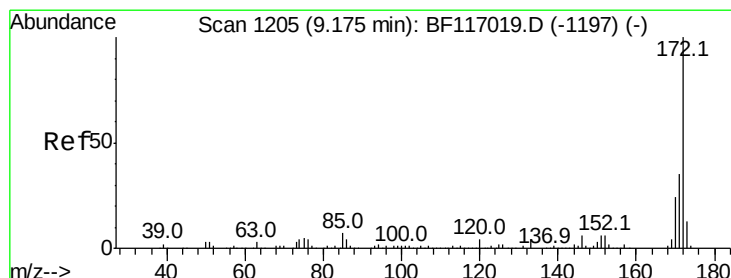
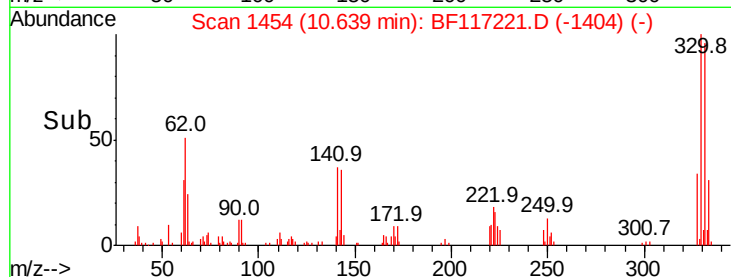
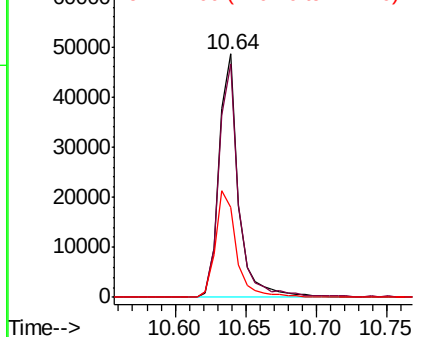


Abundance

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: 70.911 ng

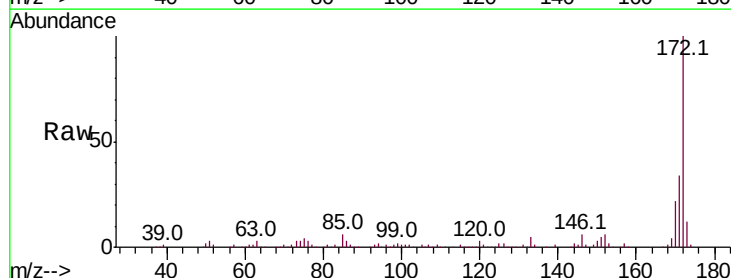
RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF117221.D

Acq: 24 Sep 2019 17:53

Tgt Ion:	172	Resp:	252375
Ion Ratio	Lower	Upper	
172	100		
171	34.4	28.2	42.2
170	21.9	18.9	28.3

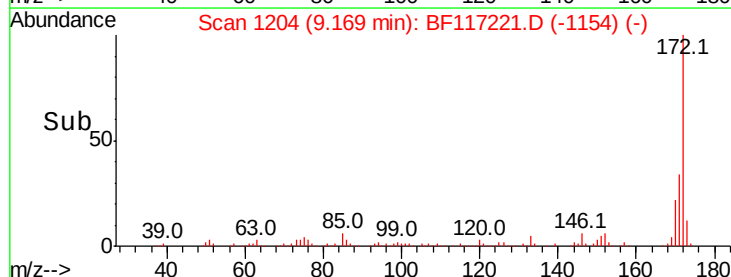
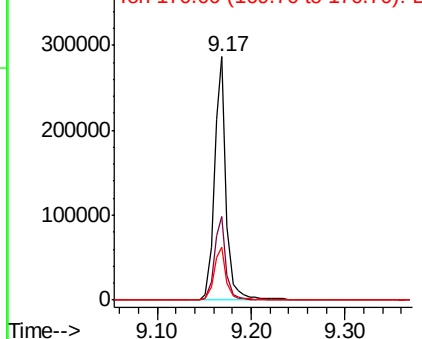


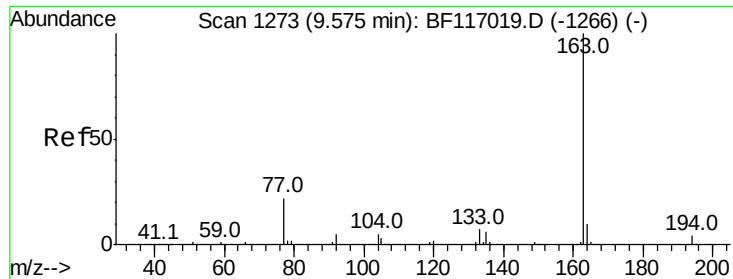
Abundance

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





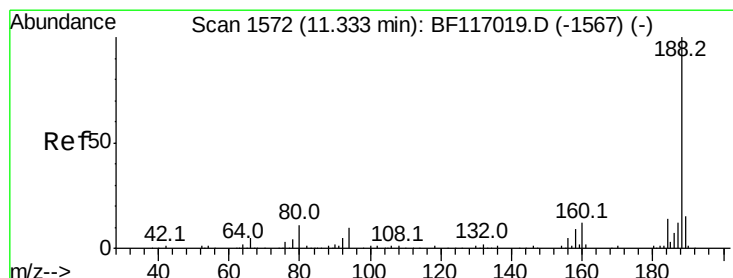
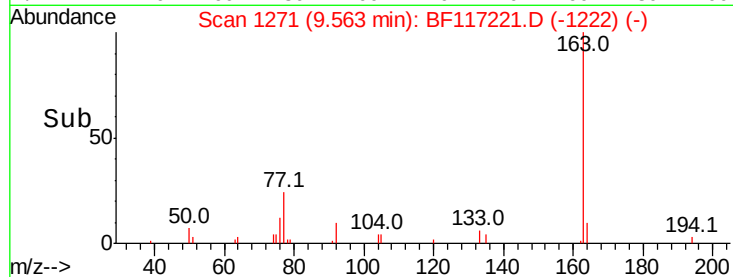
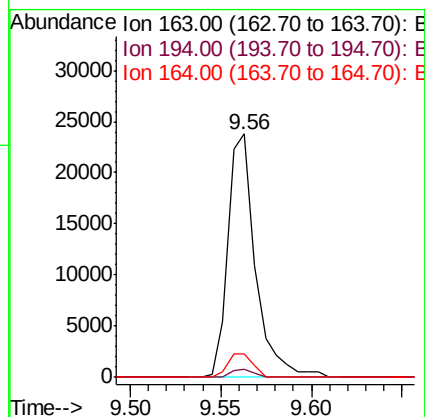
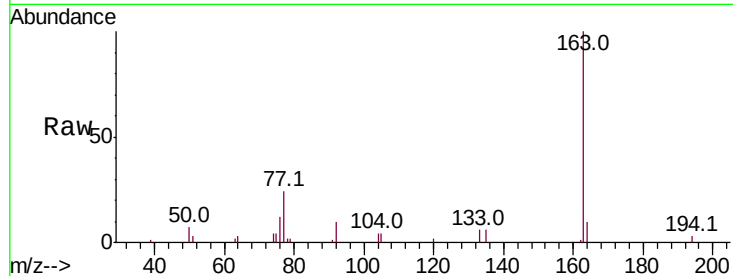
#50
Dimethylphthalate
Concen: 6.410 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Instrument :
BNA_F
ClientSampleId :
BSP-2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	25257		
194	3.3		2.9	4.3
164	9.5		8.2	12.4

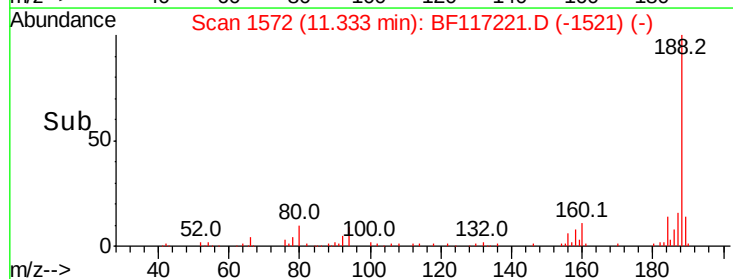
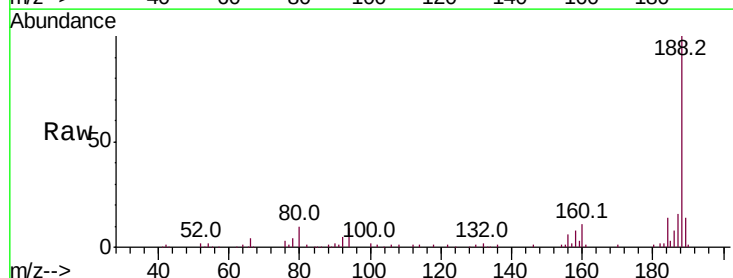
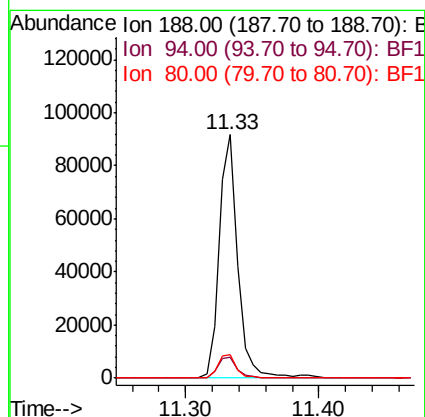
Manual Integrations
APPROVED

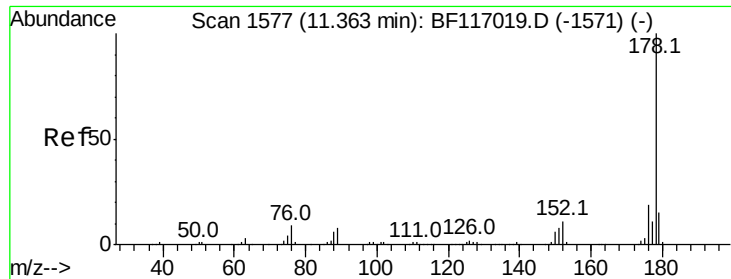
mohammad
9/26/2019 8:24:03 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	90396		
94	8.8		8.2	12.2
80	9.8		9.0	13.6





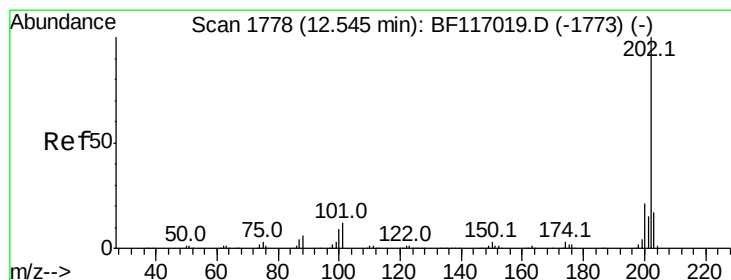
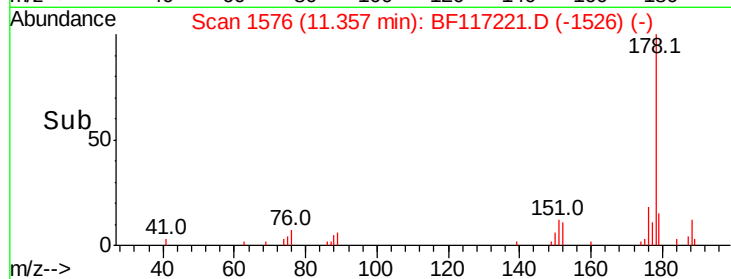
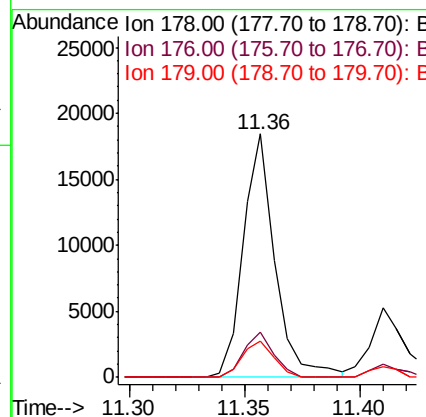
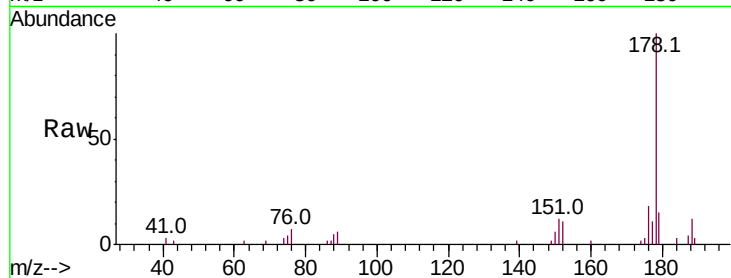
#71
Phenanthrene
Concen: 3.441 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Instrument :
BNA_F
ClientSampled :
BSP-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	14.7	12.4	18.6

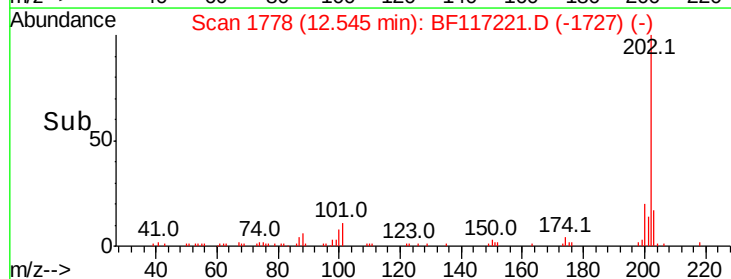
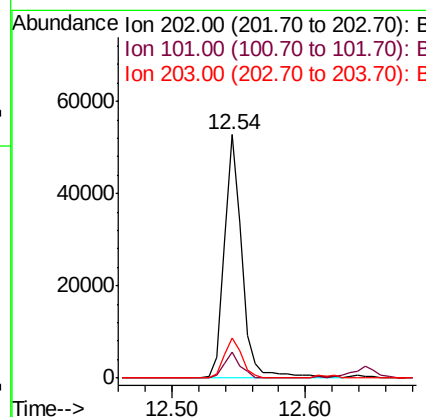
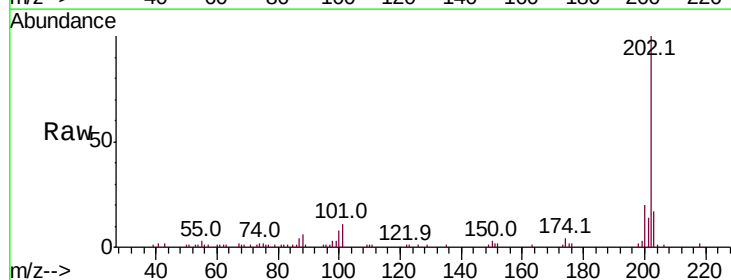
Manual Integrations
APPROVED

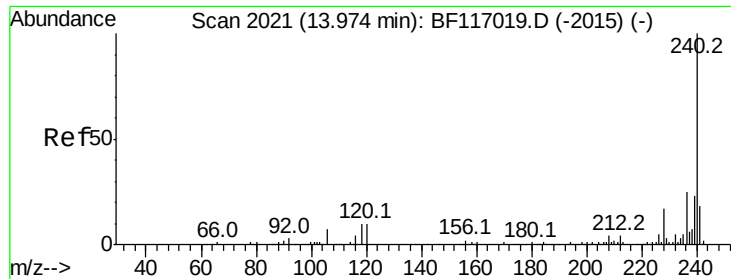
mohammad
9/26/2019 8:24:03 AM



#75
Fluoranthene
Concen: 9.371 ng
RT: 12.54 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	32.3
203	16.5	0.0	37.1





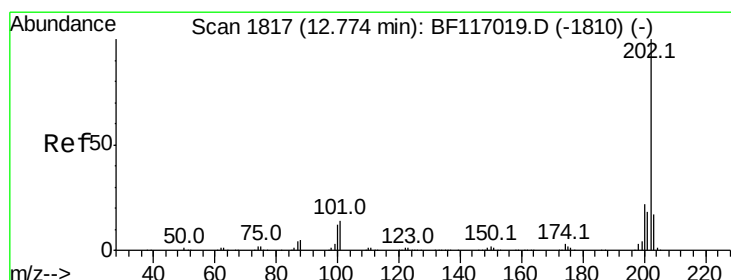
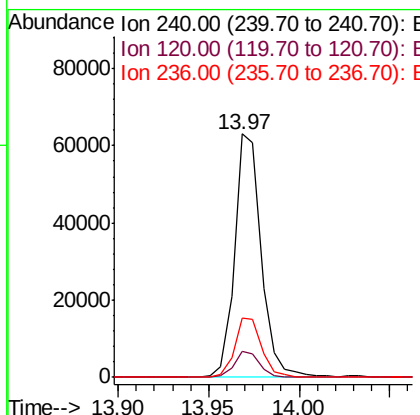
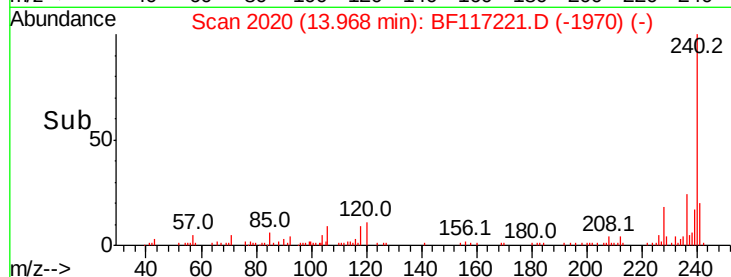
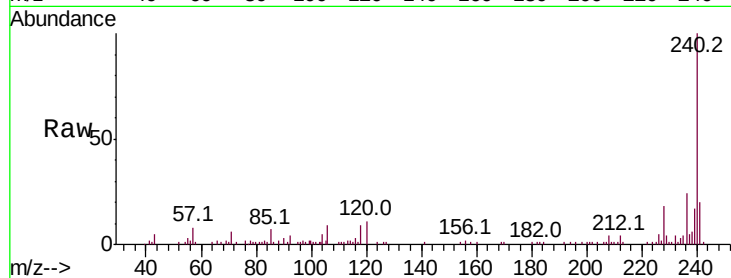
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Instrument :
BNA_F
ClientSampleId :
BSP-2

Tot Ion	Ratio	Resp	Lower	Upper
240	100	64525		
120	10.8		8.3	12.5
236	24.3		20.3	30.5

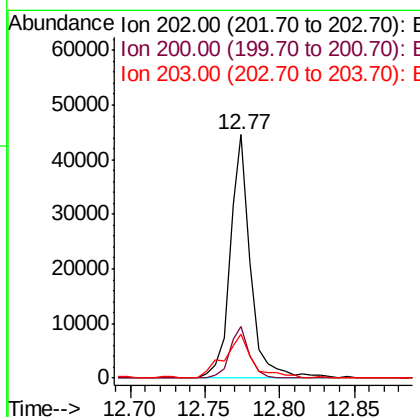
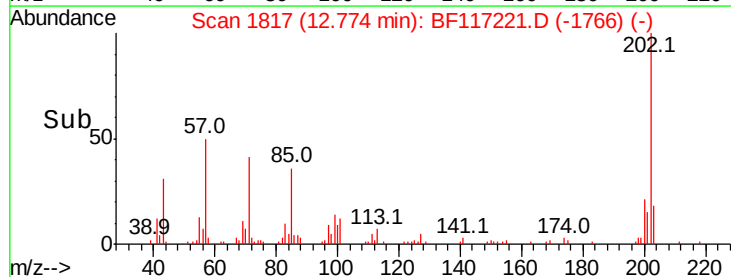
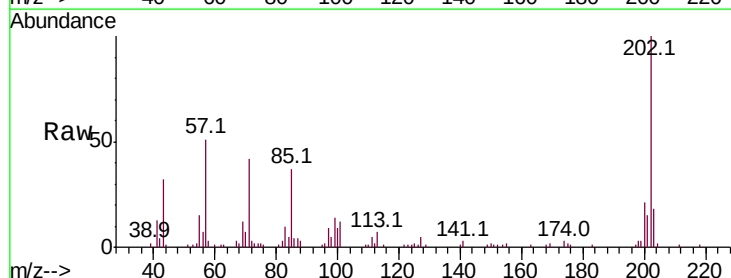
Manual Integrations
APPROVED

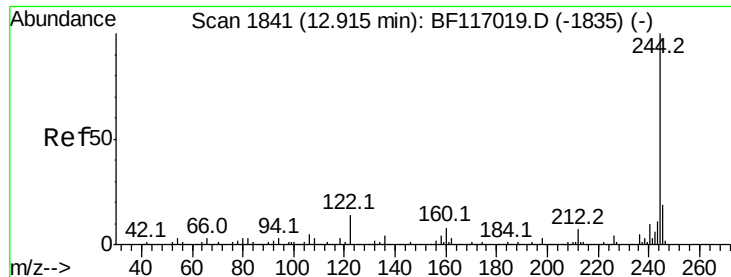
mohammad
9/26/2019 8:24:03 AM



#78
Pyrene
Concen: 7.902 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	42785		
200	21.2		17.2	25.8
203	18.1		14.0	21.0





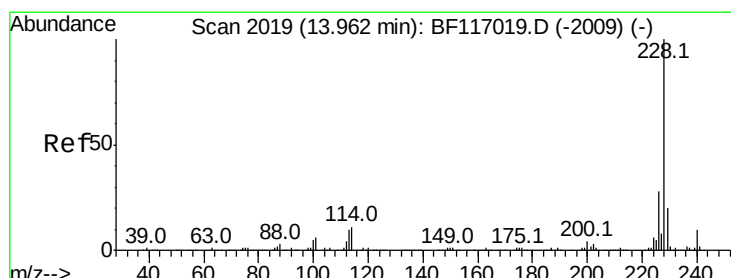
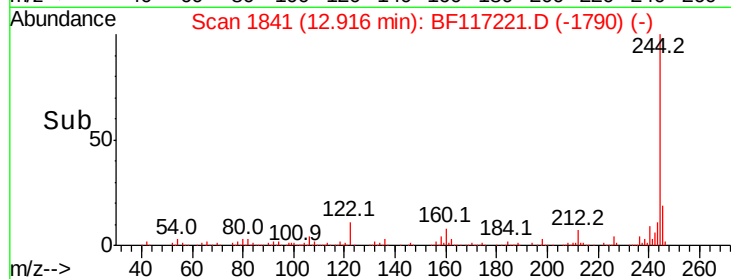
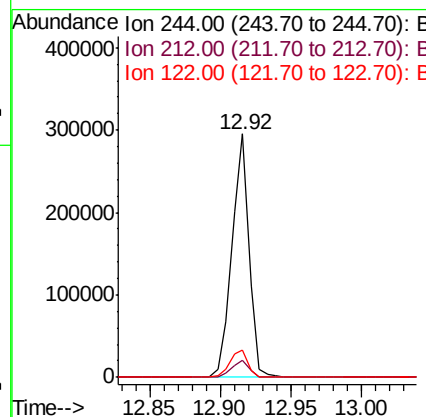
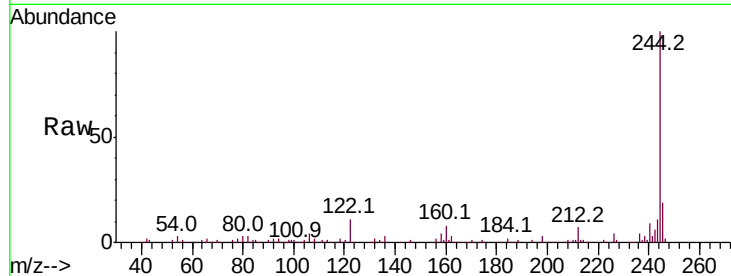
#79
 Terphenyl-d14
 Concen: 72.032 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117221.D
 Acq: 24 Sep 2019 17:53

Instrument :
 BNA_F
 ClientSampleId :
 BSP-2

Tot Ion	Ratio	Resp	Lower	Upper
244	100	248651		
212	7.2	5.8	8.8	
122	11.4	11.3	16.9	

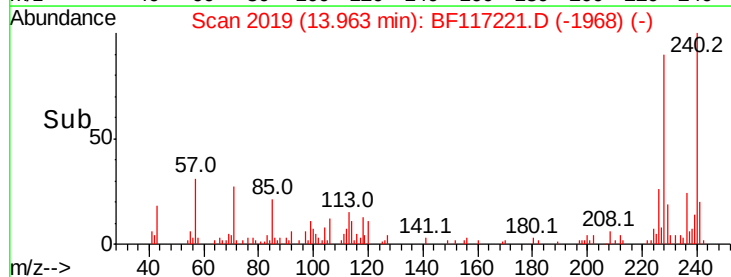
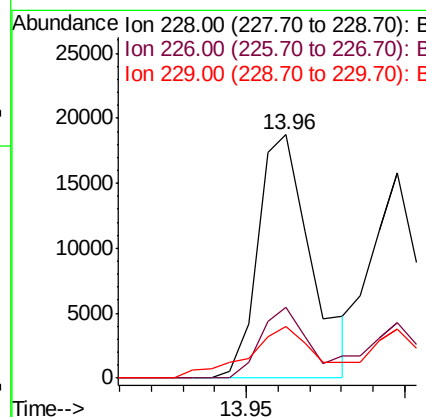
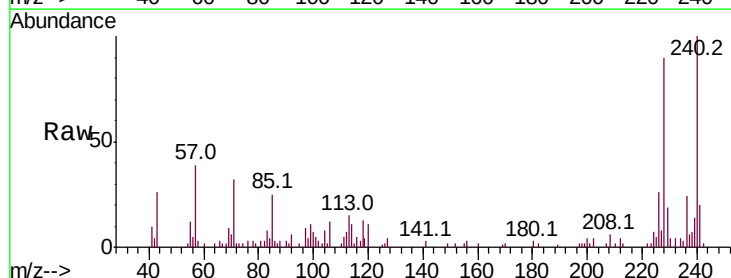
Manual Integrations
 APPROVED

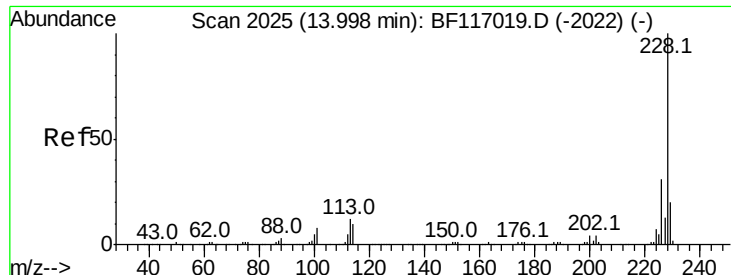
mohammad
 9/26/2019 8:24:03 AM



#81
 Benzo(a)anthracene
 Concen: 5.022 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF117221.D
 Acq: 24 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	21651		
226	29.0	22.3	33.5	
229	21.2	15.9	23.9	





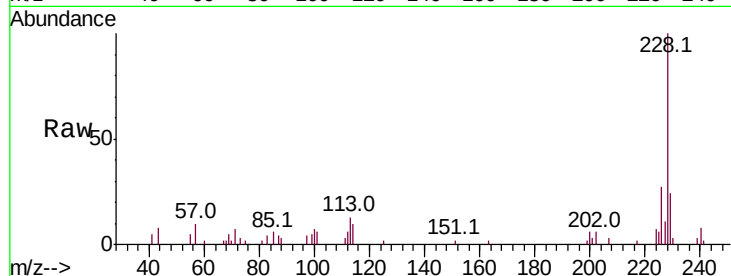
#83
Chrysene
Concen: 4.130 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Instrument :
BNA_F
ClientSampled :
BSP-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	24.8	37.2
229	23.7	15.8	23.8

Manual Integrations
APPROVED

mohammad
9/26/2019 8:24:03 AM

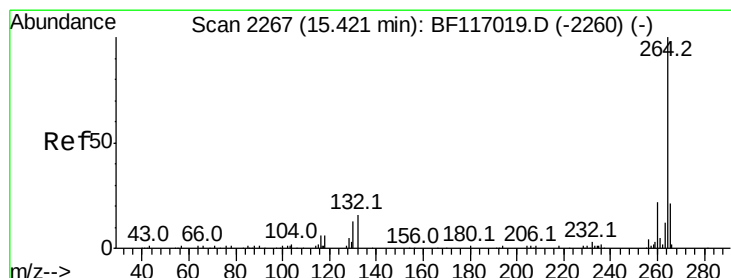
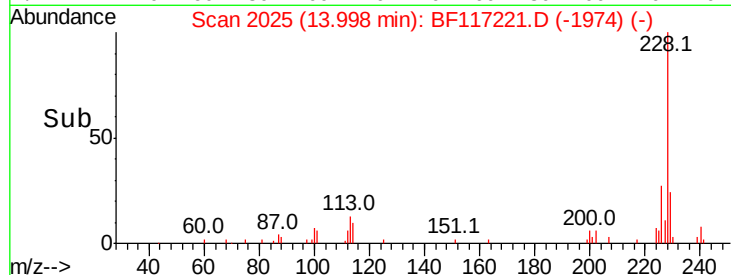
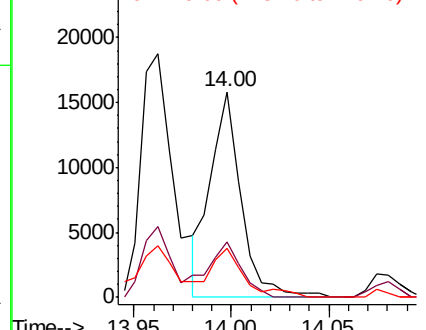


Abundance

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



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

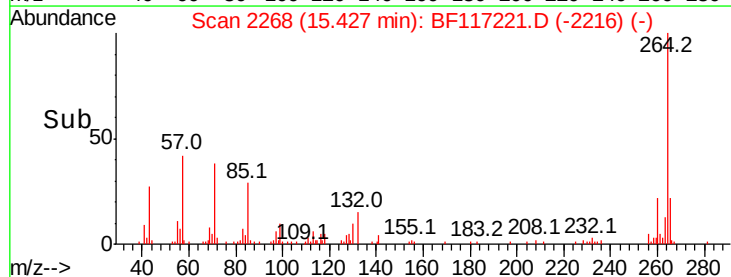
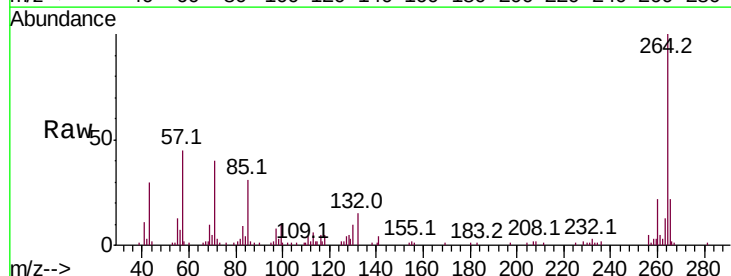
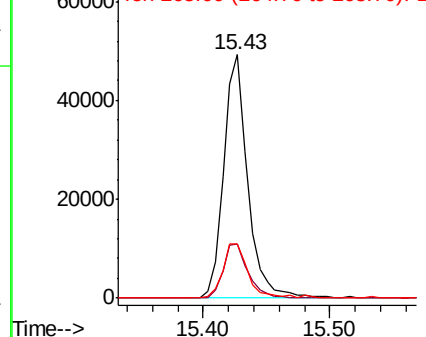
Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.6	26.4
265	22.2	16.6	24.8

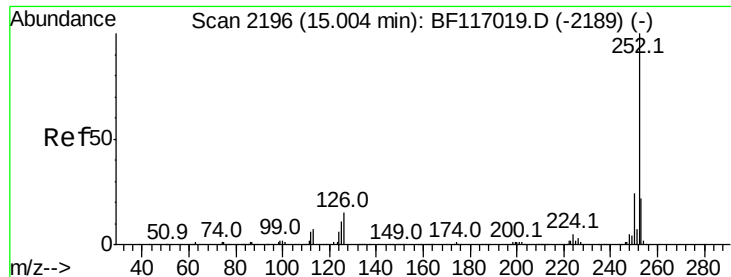
Abundance

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





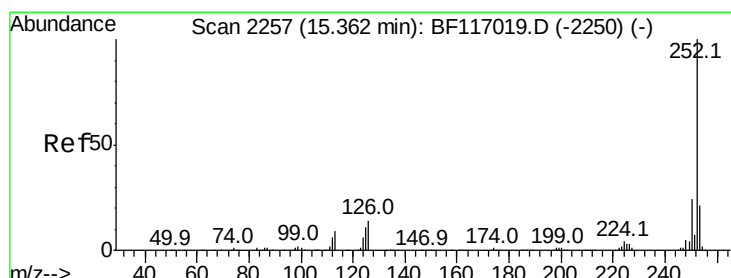
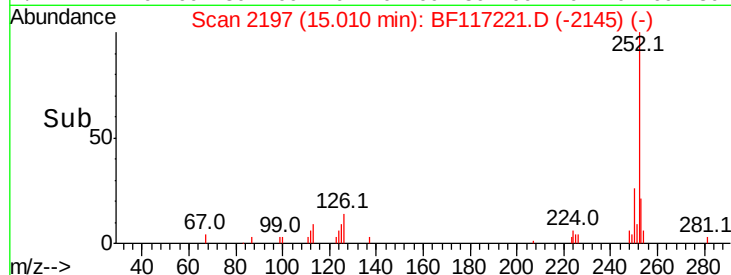
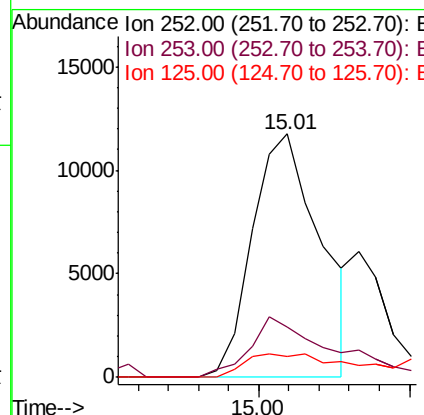
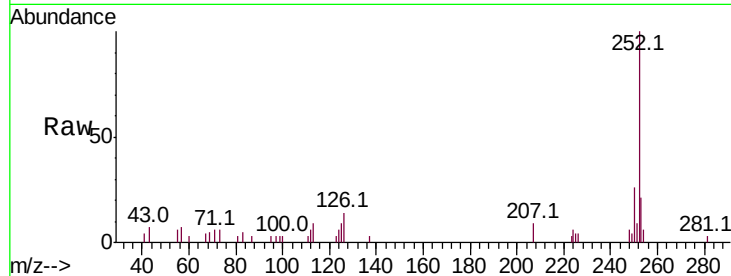
#88
Benzo(b)fluoranthene
Concen: 4.676 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Instrument :
BNA_F
ClientSampleId :
BSP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.6	26.4
125	8.7	8.6	12.8

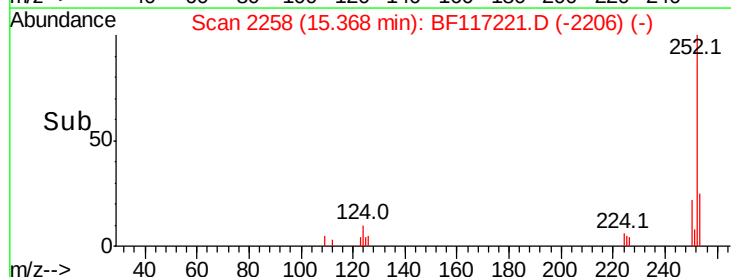
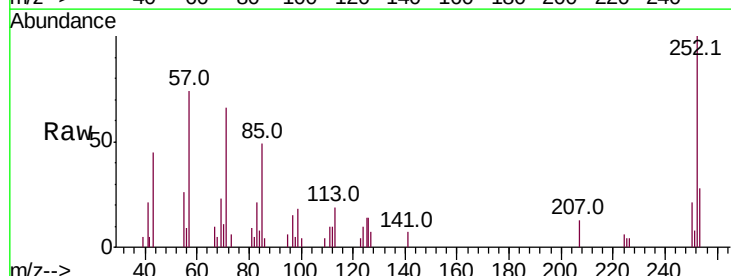
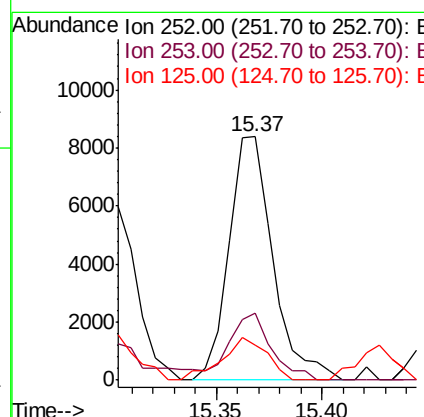
Manual Integrations
APPROVED

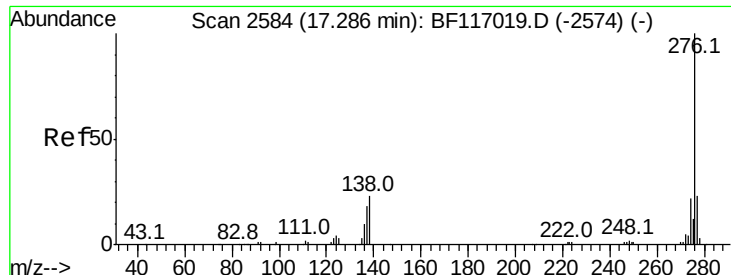
mohammad
9/26/2019 8:24:03 AM



#90
Benzo(a)pyrene
Concen: 3.511 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	16.6	25.0#
125	14.4	8.9	13.3#





#92

Benzo(a,h,i)perylene

Concen: 2.282 ng

RT: 17.32 min Scan# 2589

Delta R.T. 0.03 min

Lab File: BF117221.D

Acq: 24 Sep 2019 17:53

Instrument :

BNA_F

ClientSampleId :

BSP-2

Tot Ion: 276 Resp: 6258

Ion Ratio Lower Upper

276 100

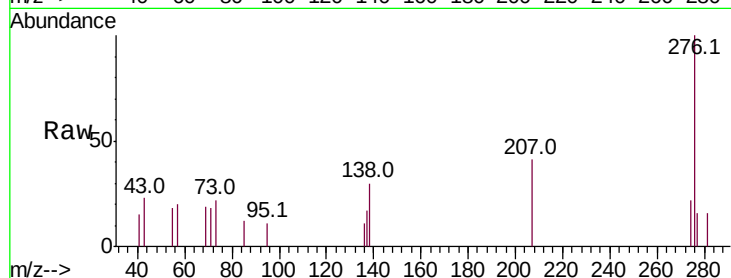
277 16.1 18.6 27.8#

138 29.5 18.0 27.0#

Manual Integrations
APPROVED

mohammad

9/26/2019 8:24:03 AM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

