

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116751.D
 Acq On : 1 Sep 2019 19:09
 Operator : HP/JU
 Sample : K4547-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T3-S-D

Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:54:44 AM

Quant Time: Sep 02 06:37:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	73611	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	302452	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	174540	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	323612	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	206326	20.00	ng	0.00
87) Perylene-d12	15.44	264	237388	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	372888	82.07	ng	0.00
7) Phenol-d6	6.47	99	517291	86.70	ng	-0.01
23) Nitrobenzene-d5	7.40	82	311500	58.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	126715	108.60	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	575890	55.66	ng	-0.01
79) Terphenyl-d14	12.94	244	674249	60.45	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.48	94	40341	6.106	ng	94
35) Caprolactam	8.51	113	7816	5.371	ng	# 85
50) Dimethylphthalate	9.59	163	91644	7.605	ng	97
71) Phenanthrene	11.38	178	67112	3.725	ng	98
74) Di-n-butylphthalate	11.92	149	126046	5.692	ng	# 97
75) Fluoranthene	12.57	202	207350	11.712	ng	96
78) Pyrene	12.80	202	183868	10.025	ng	97
80) Butylbenzylphthalate	13.42	149	20336	2.280	ng	86
81) Benzo(a)anthracene	13.99	228	69899	5.353	ng	96
83) Chrysene	14.02	228	104482	7.766	ng	95
84) Bis(2-ethylhexyl)phthalate	13.98	149	1287487	116.938	ng	98
86) Indeno(1,2,3-cd)pyrene	16.88	276	73131	6.768	ng	96
88) Benzo(b)fluoranthene	15.02	252	164543m	11.465	ng	
89) Benzo(k)fluoranthene	15.04	252	50460m	3.856	ng	
90) Benzo(a)pyrene	15.38	252	94951	7.604	ng	# 95
92) Benzo(g,h,i)perylene	17.32	276	68980	6.188	ng	# 92

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

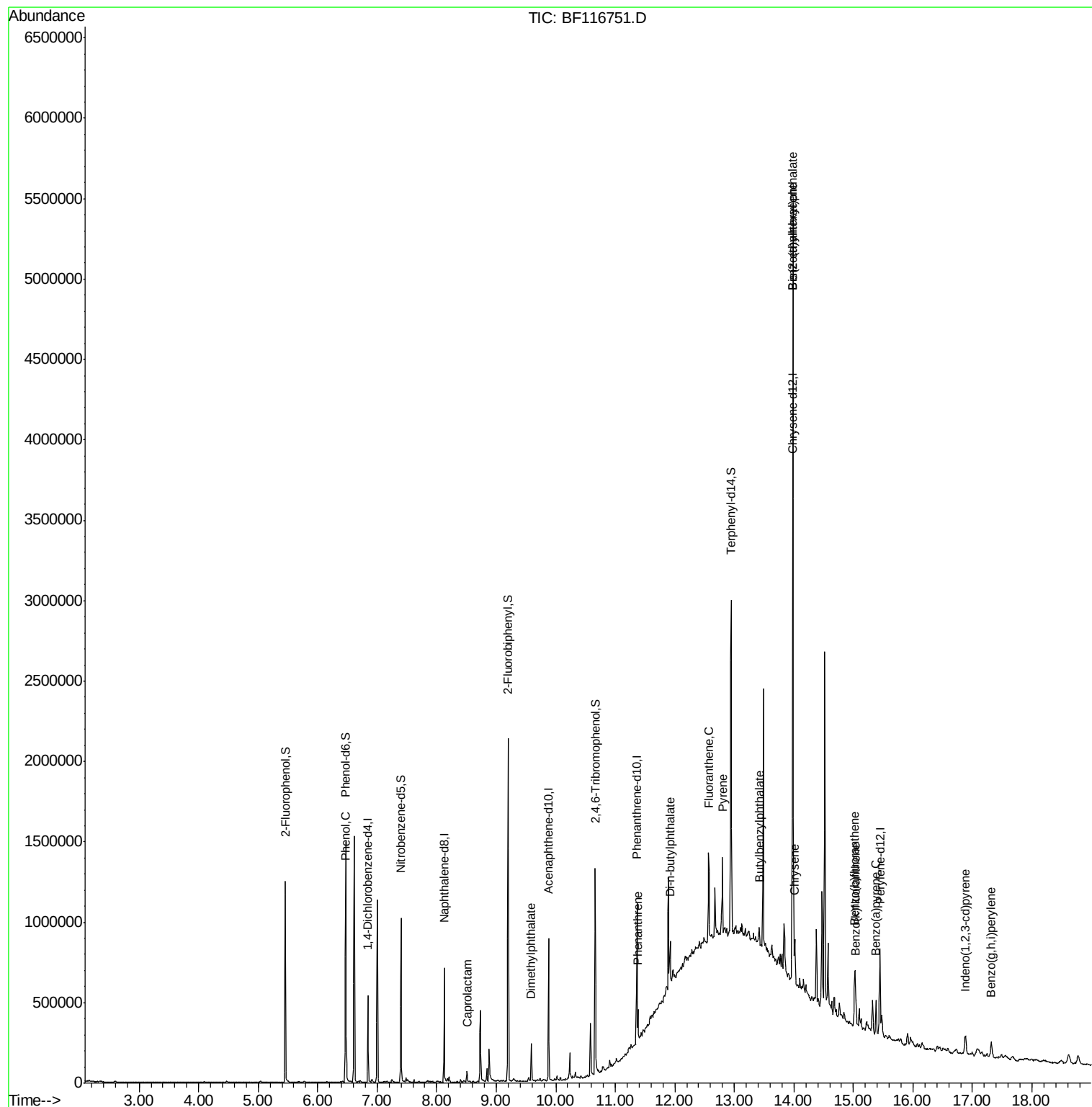
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116751.D
Acq On : 1 Sep 2019 19:09
Operator : HP/JU
Sample : K4547-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

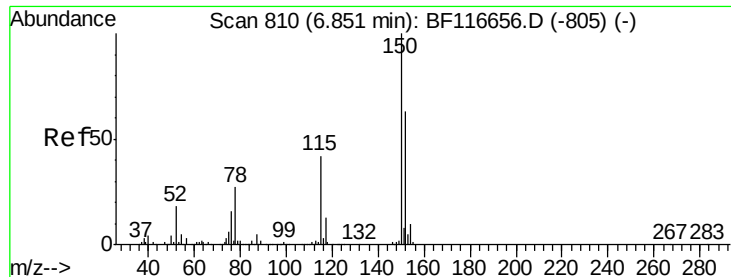
Instrument :
BNA_F
ClientSampleID :
T3-S-D

Manual Integrations
APPROVED

mohammad
9/5/2019 9:54:44 AM

Quant Time: Sep 02 06:37:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration





#1

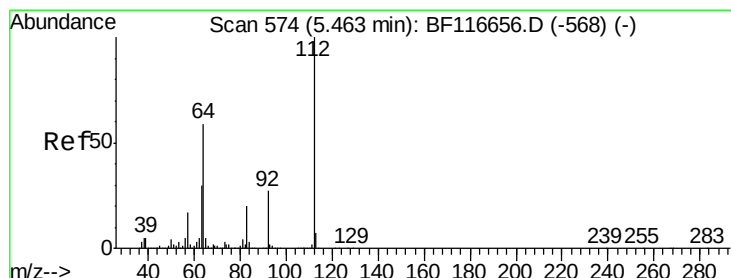
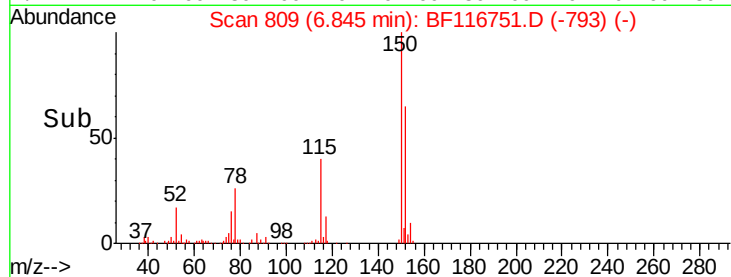
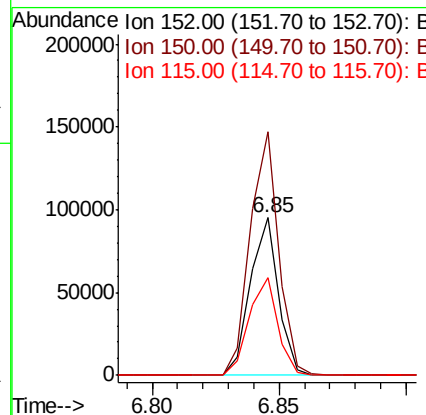
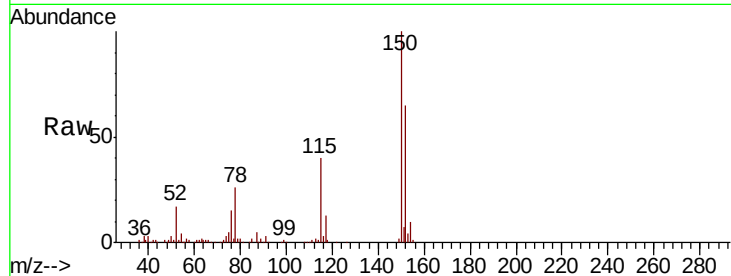
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116751.D
Acq: 1 Sep 2019 19:09

Instrument :
BNA_F
ClientSampled :
T3-S-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.4	186.6
115	61.6	49.9	74.9

Manual Integrations
APPROVED

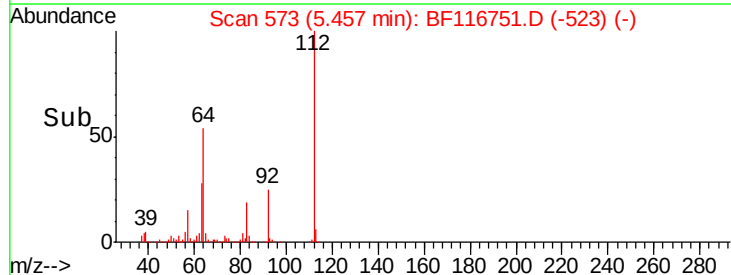
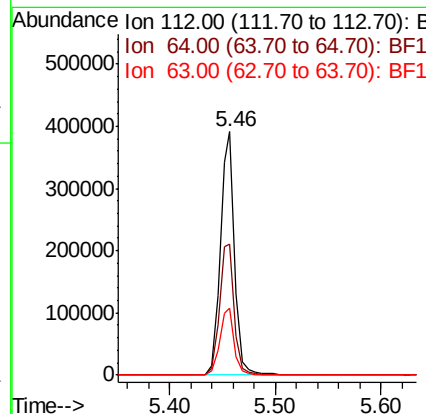
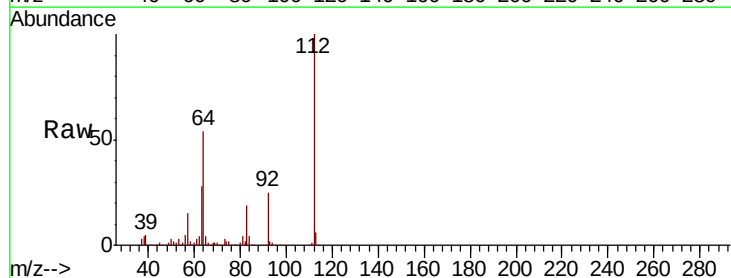
mohammad
9/5/2019 9:54:44 AM

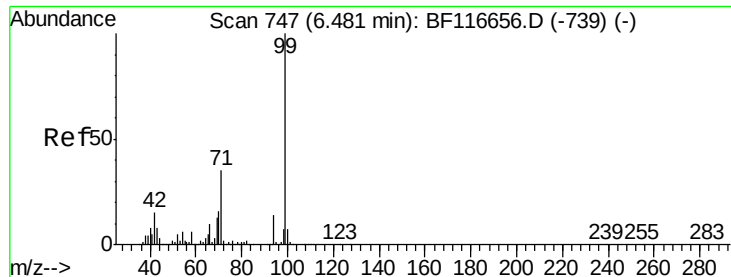


#5

2-Fluorophenol
Concen: 82.067 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116751.D
Acq: 1 Sep 2019 19:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	47.1	70.7
63	27.6	24.9	37.3





#7

Phenol-d6

Concen: 86.700 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116751.D

Acq: 1 Sep 2019 19:09

Instrument :

BNA_F

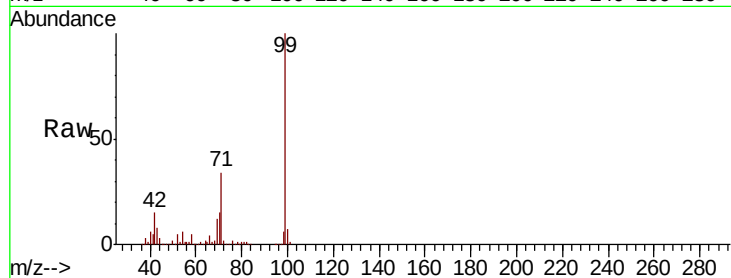
ClientSampleId :

T3-S-D

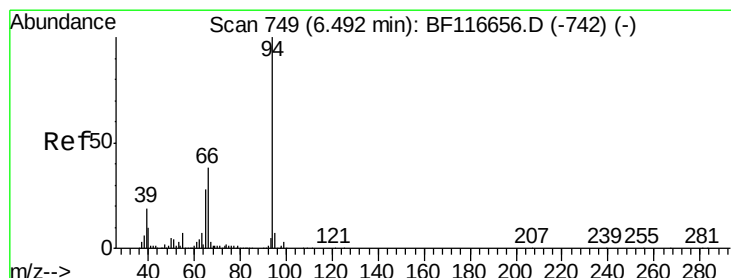
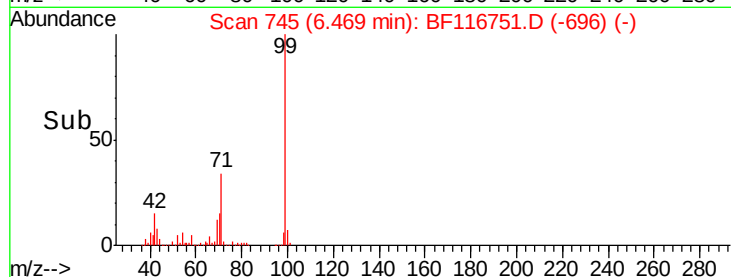
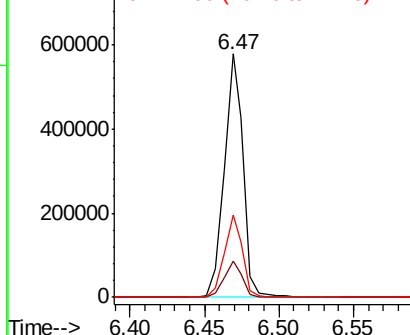
Tot Ion:	99	Resp:	517291
Ion Ratio	Lower	Upper	
99	100		
42	15.0	13.7	20.5
71	33.7	30.8	46.2

Manual Integrations
APPROVED

mohammad
9/5/2019 9:54:44 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



#10

Phenol

Concen: 6.106 ng

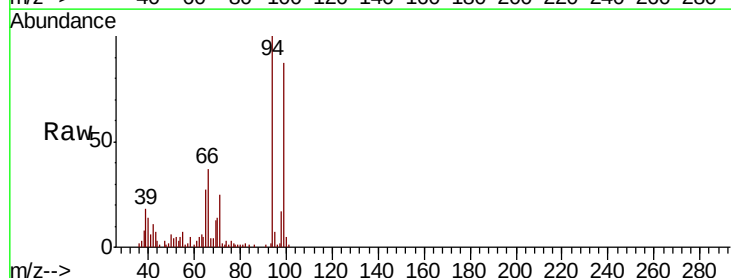
RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

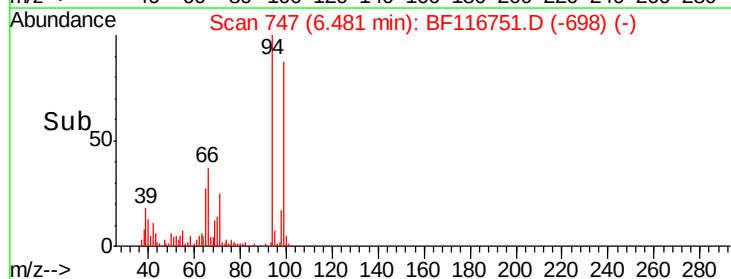
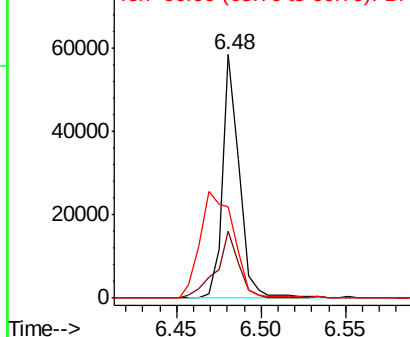
Lab File: BF116751.D

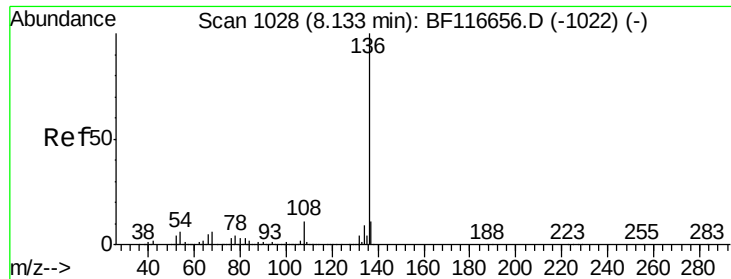
Acq: 1 Sep 2019 19:09

Tgt Ion:	94	Resp:	40341
Ion Ratio	Lower	Upper	
94	100		
65	27.4	10.8	50.8
66	37.5	21.1	61.1



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





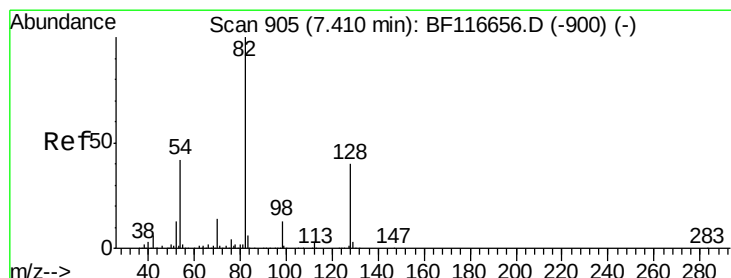
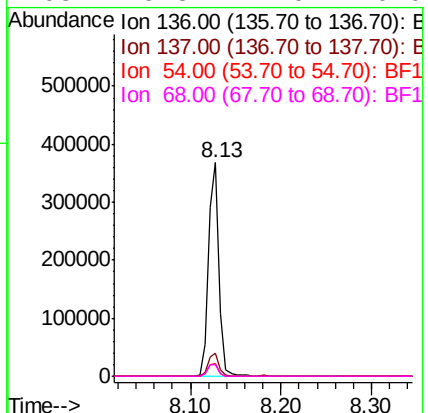
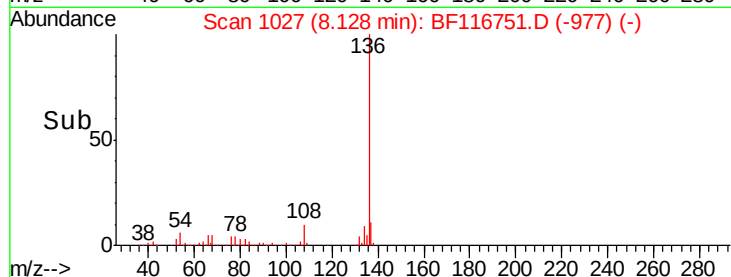
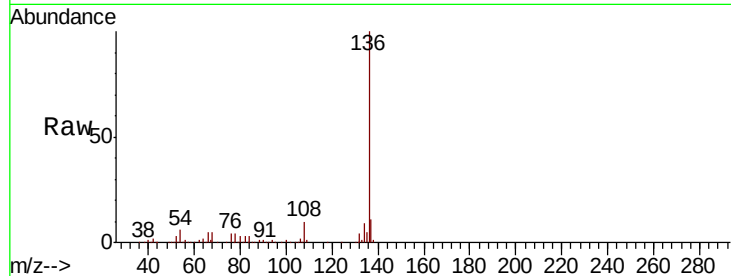
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116751.D
Acq: 1 Sep 2019 19:09

Instrument :
BNA_F
ClientSampleId :
T3-S-D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		302452		
137	10.8		8.9	13.3	
54	5.8		4.8	7.2	
68	5.3		4.0	6.0	

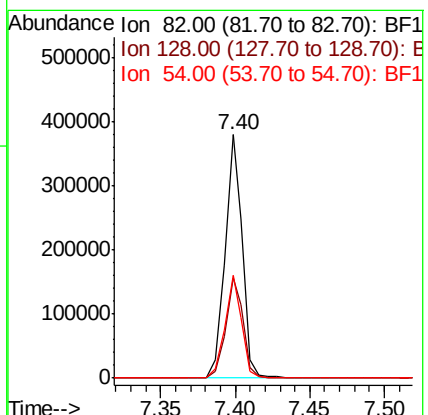
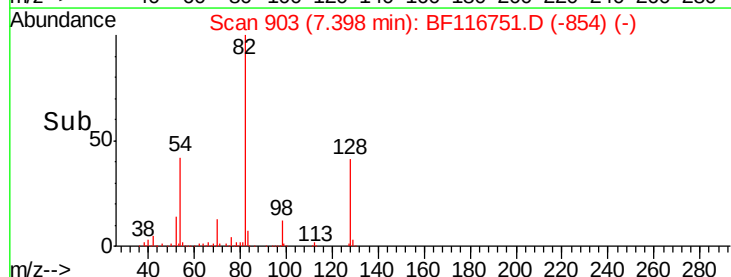
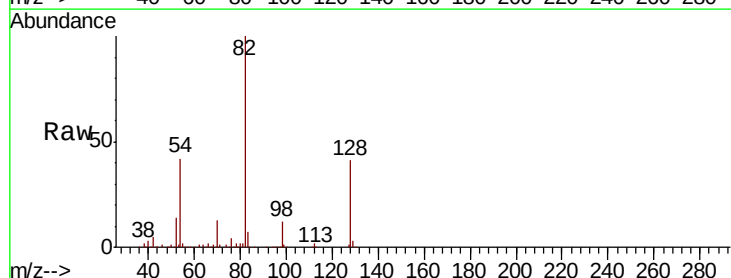
Manual Integrations
APPROVED

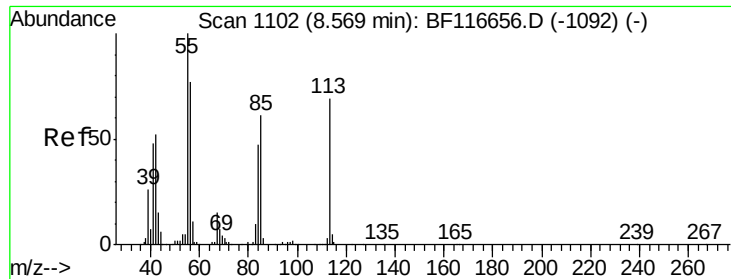
mohammad
9/5/2019 9:54:44 AM



#23
Nitrobenzene-d5
Concen: 58.795 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116751.D
Acq: 1 Sep 2019 19:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		311500		
128	41.2		32.8	49.2	
54	42.2		36.9	55.3	





#35

Caprolactam

Concen: 5.371 ng

RT: 8.51 min Scan# 1092

Delta R.T. -0.06 min

Lab File: BF116751.D

Acq: 1 Sep 2019 19:09

Instrument :

BNA_F

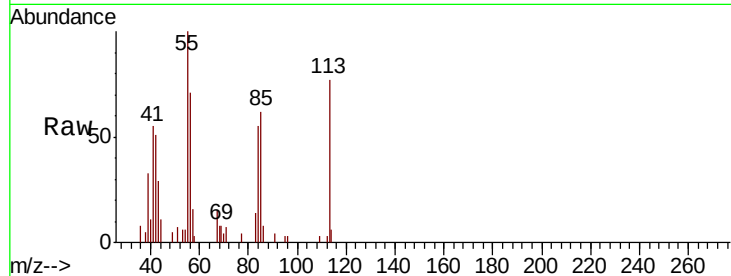
ClientSampleId :

T3-S-D

Tot Ion:	113	Resp:	7816
Ion Ratio	Lower	Upper	
113	100		
55	130.1	124.3	164.3
56	92.8	94.6	134.6#

Manual Integrations
APPROVED

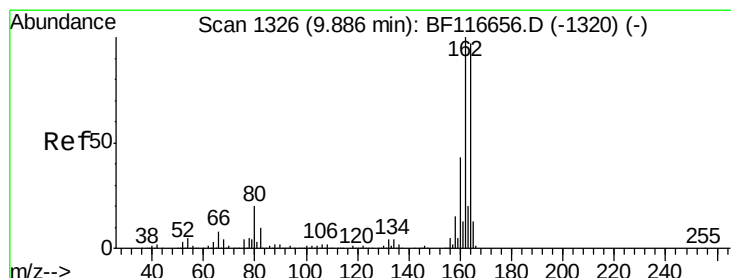
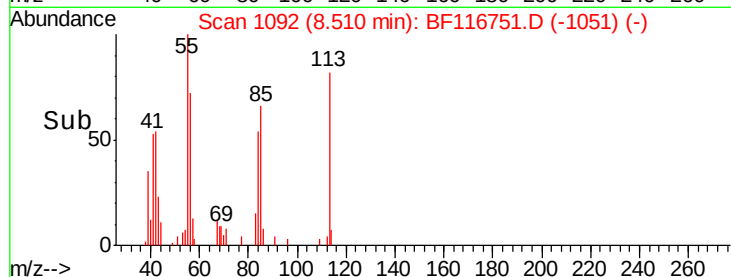
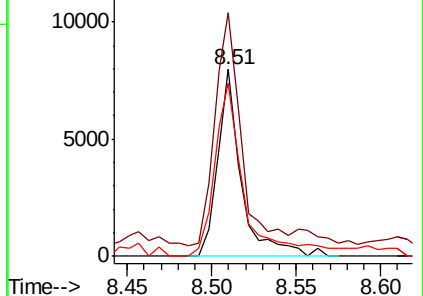
mohammad
9/5/2019 9:54:44 AM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

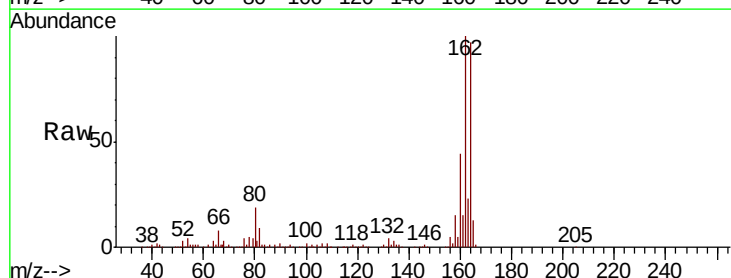
RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116751.D

Acq: 1 Sep 2019 19:09

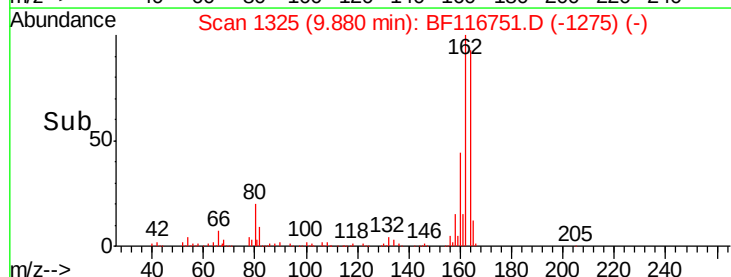
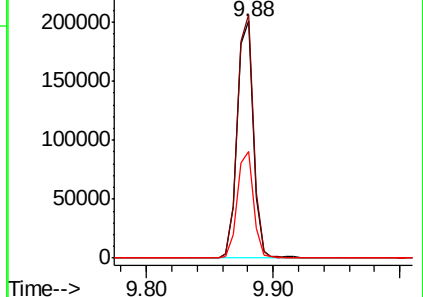
Tgt Ion:	164	Resp:	174540
Ion Ratio	Lower	Upper	
164	100		
162	102.7	81.4	122.0
160	44.8	35.4	53.2

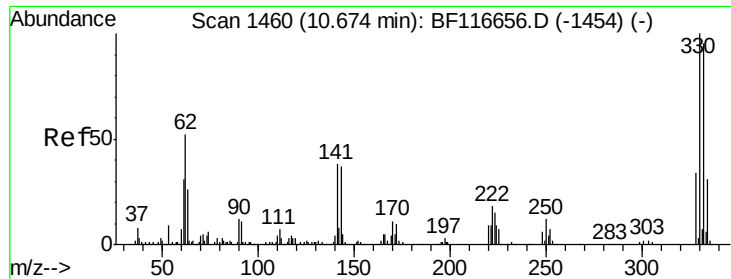


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





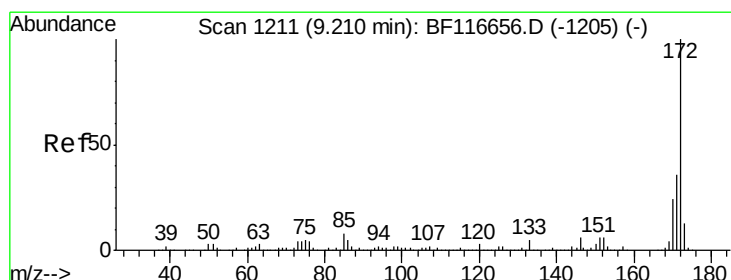
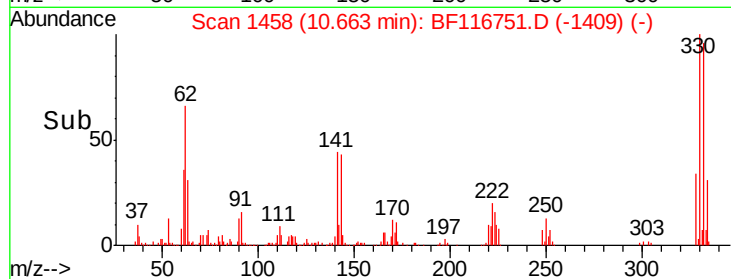
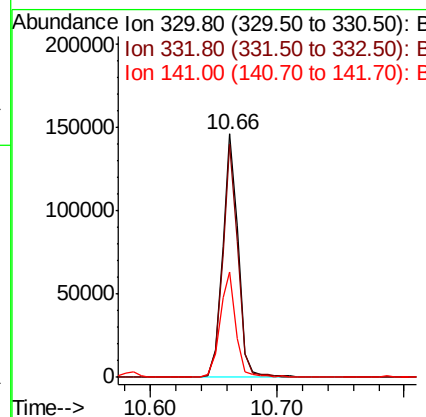
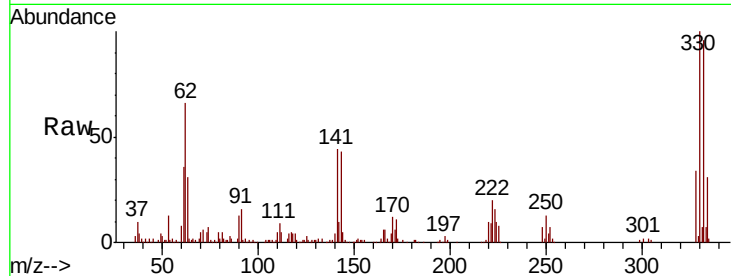
#42
 2,4,6-Tribromophenol
 Concen: 108.597 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116751.D
 Acq: 1 Sep 2019 19:09

Instrument :
 BNA_F
 ClientSampleId :
 T3-S-D

Tot Ion	Ratio	Resp	Lower	Upper
330	100	126715		
332	94.1	76.9	115.3	
141	43.7	31.4	47.2	

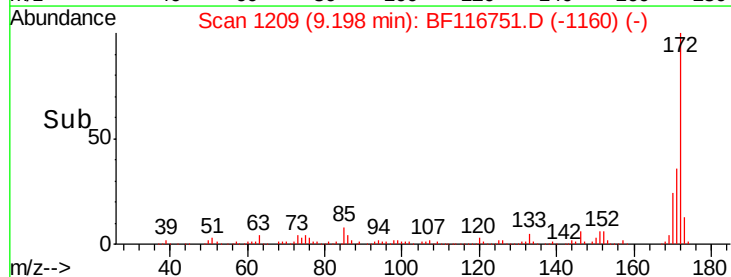
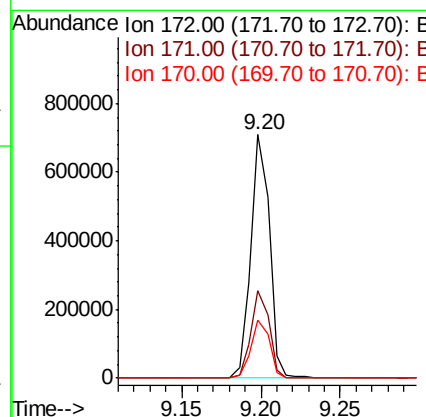
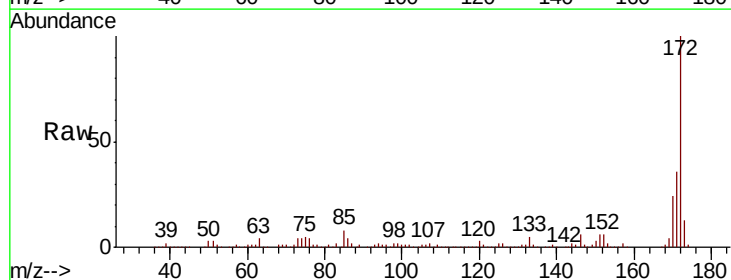
Manual Integrations
 APPROVED

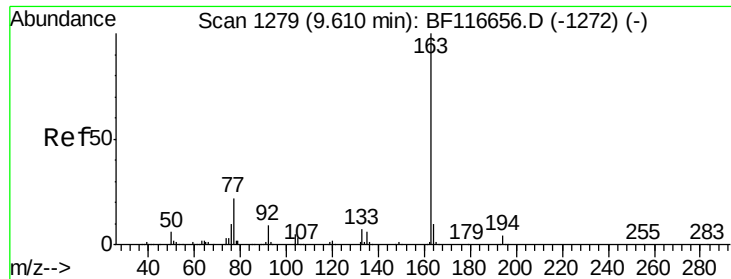
mohammad
 9/5/2019 9:54:44 AM



#45
 2-Fluorobiphenyl
 Concen: 55.659 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116751.D
 Acq: 1 Sep 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	575890		
171	35.9	27.8	41.6	
170	23.7	18.9	28.3	





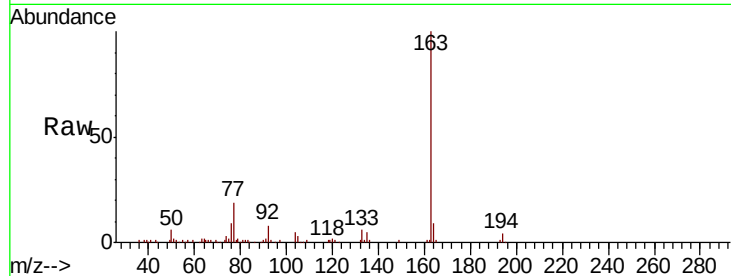
#50
Dimethylphthalate
Concen: 7.605 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116751.D
Acq: 1 Sep 2019 19:09

Instrument :
BNA_F
ClientSampleId :
T3-S-D

Tot Ion	Ratio	Resp	Lower	Upper
163	100	91644		
194	3.9		2.8	4.2
164	9.1		8.6	12.8

Manual Integrations
APPROVED

mohammad
9/5/2019 9:54:44 AM

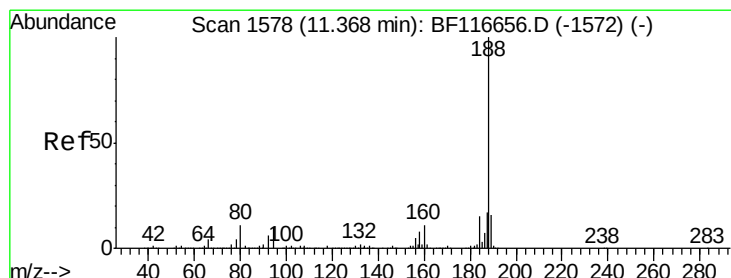
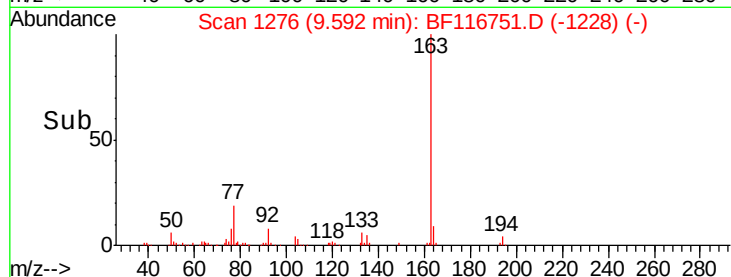
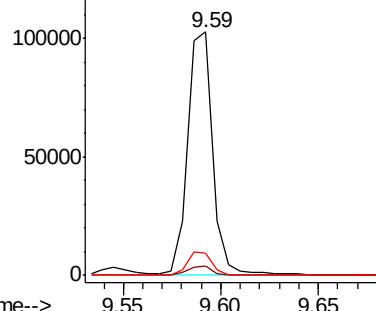


Abundance

Ion 163.00 (162.70 to 163.70): E

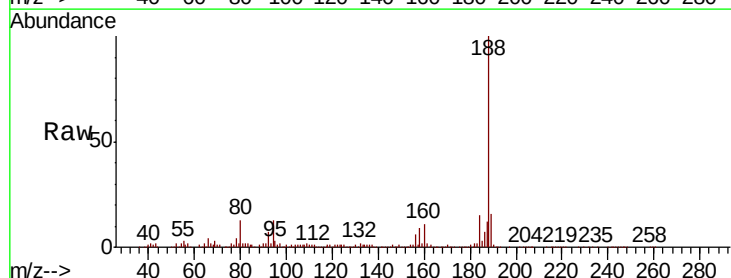
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116751.D
Acq: 1 Sep 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	323612		
94	12.7		7.3	10.9#
80	13.3		8.4	12.6#

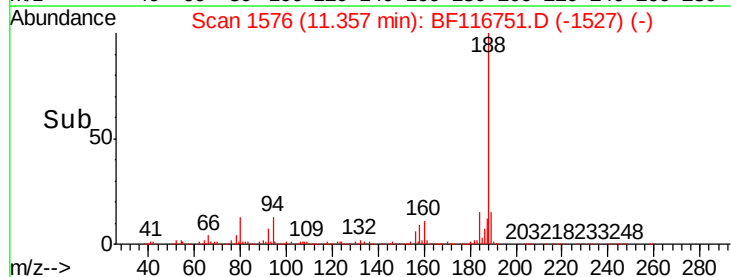
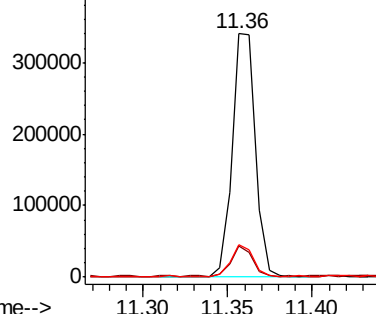


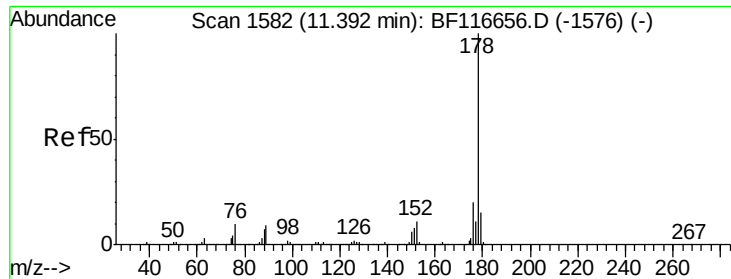
Abundance

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





#71

Phenanthrene

Concen: 3.725 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF116751.D

Acq: 1 Sep 2019 19:09

Instrument :

BNA_F

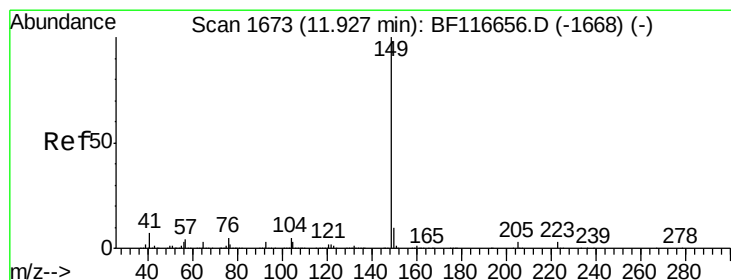
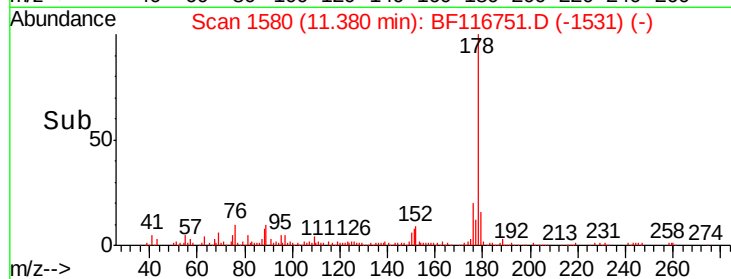
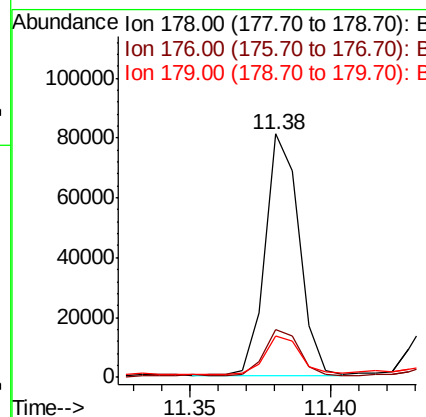
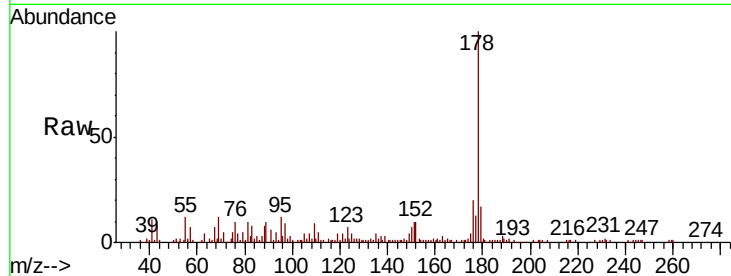
ClientSampled :

T3-S-D

Tot Ion:	178	Resp:	67112
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.4	23.0
179	16.8	12.2	18.2

Manual Integrations
APPROVED

mohammad
9/5/2019 9:54:44 AM



#74

Di-n-butylphthalate

Concen: 5.692 ng

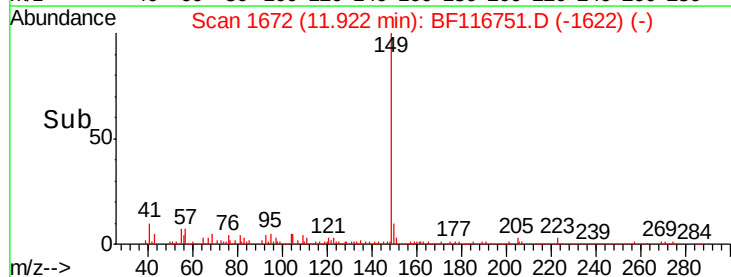
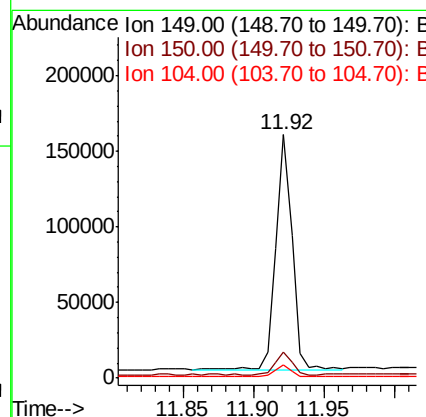
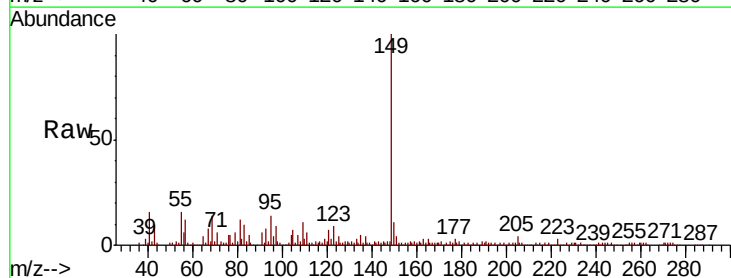
RT: 11.92 min Scan# 1672

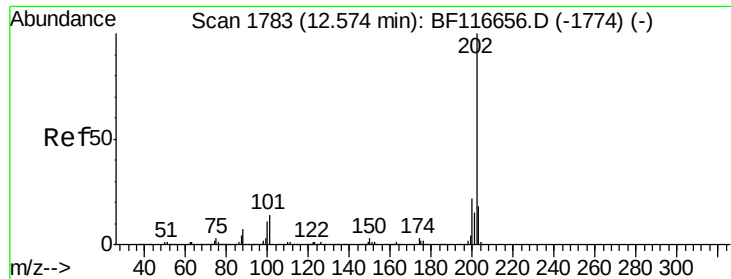
Delta R.T. -0.01 min

Lab File: BF116751.D

Acq: 1 Sep 2019 19:09

Tgt Ion:	149	Resp:	126046
Ion Ratio	Lower	Upper	
149	100		
150	10.8	7.2	10.8#
104	5.4	4.2	6.2





#75

Fluoranthene

Concen: 11.712 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116751.D

Acq: 1 Sep 2019 19:09

Instrument :

BNA_F

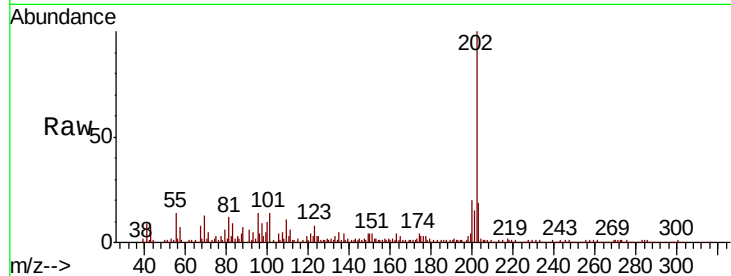
ClientSampleId :

T3-S-D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	14.1	0.0	31.3		
203	18.7	0.0	37.6		

Manual Integrations
APPROVED

mohammad
9/5/2019 9:54:44 AM

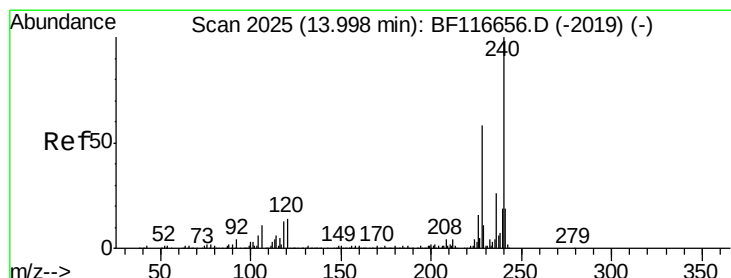
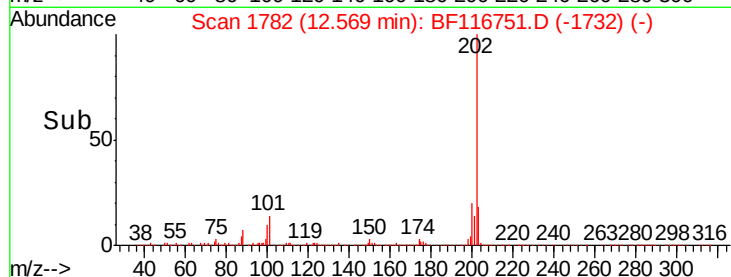
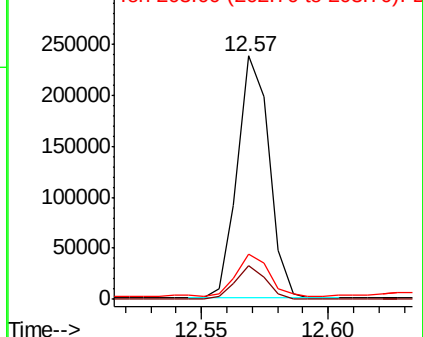


Abundance

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

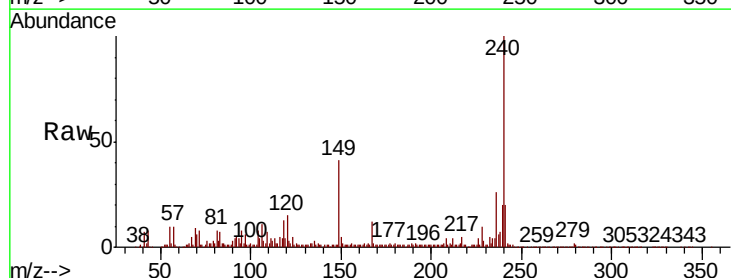
RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116751.D

Acq: 1 Sep 2019 19:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	14.9	9.1	13.7#		
236	26.2	21.1	31.7		

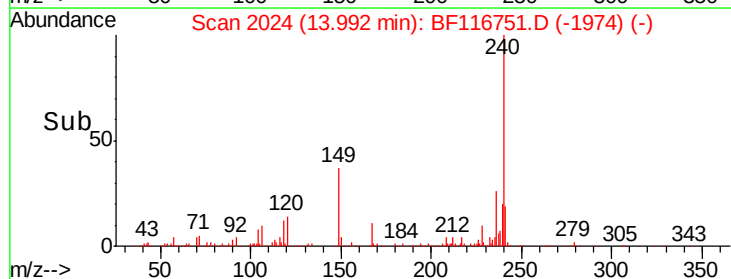
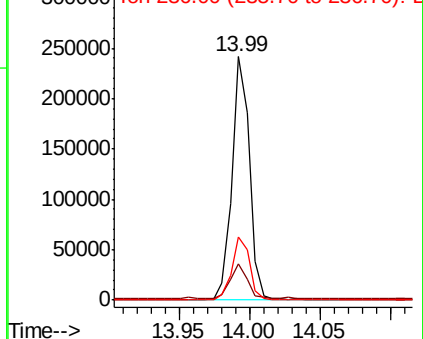


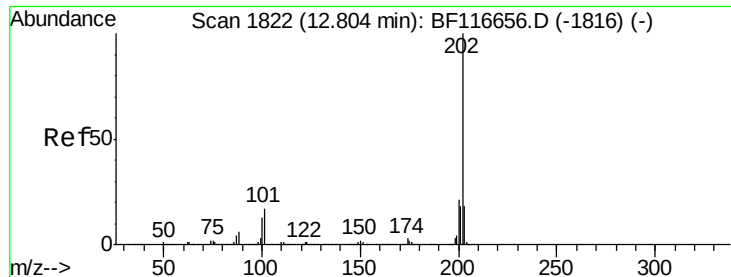
Abundance

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: 10.025 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF116751.D

Acq: 1 Sep 2019 19:09

Instrument :

BNA_F

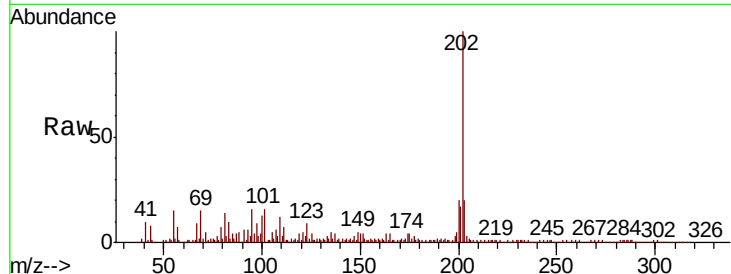
ClientSampleID :

T3-S-D

Tot Ion:	202	Resp:	183868
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.5	24.7
203	19.6	13.7	20.5

Manual Integrations
APPROVED

mohammad
9/5/2019 9:54:44 AM

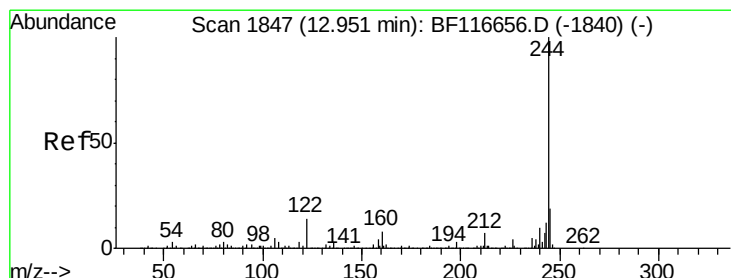
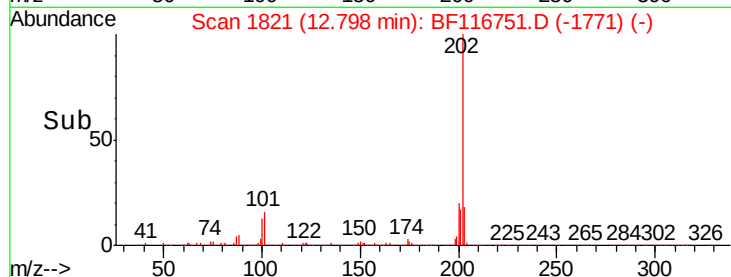
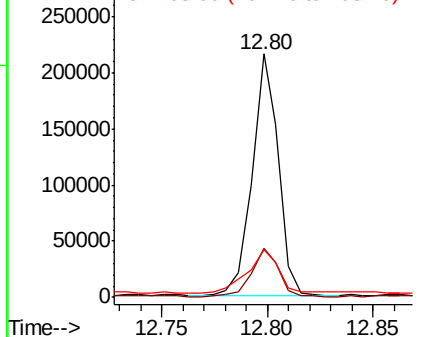


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 60.454 ng

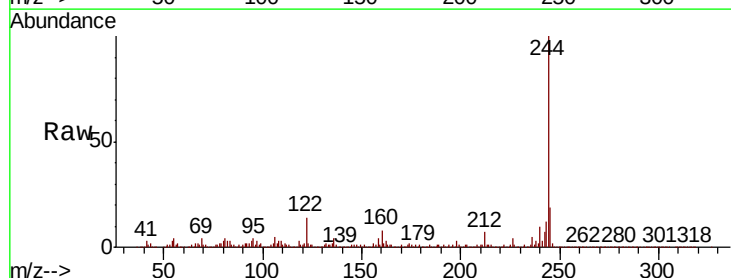
RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116751.D

Acq: 1 Sep 2019 19:09

Tgt Ion:	244	Resp:	674249
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.1	9.1
122	13.7	10.2	15.4

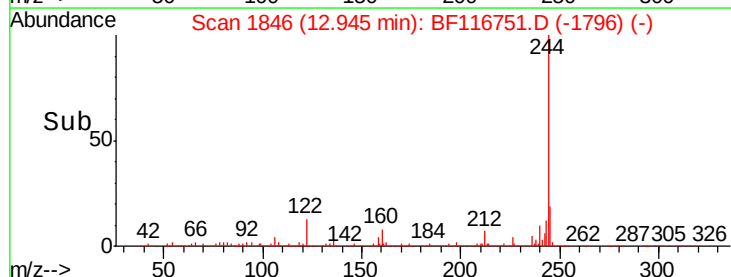
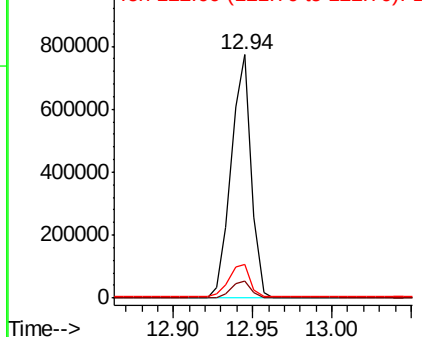


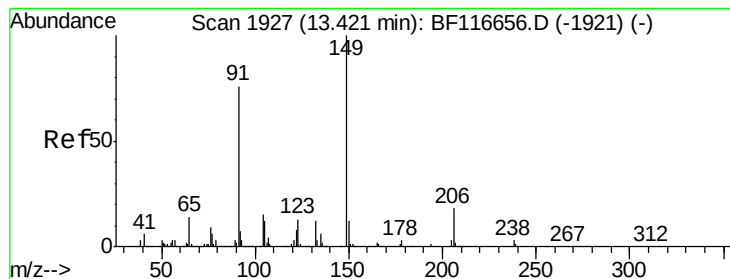
Abundance

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





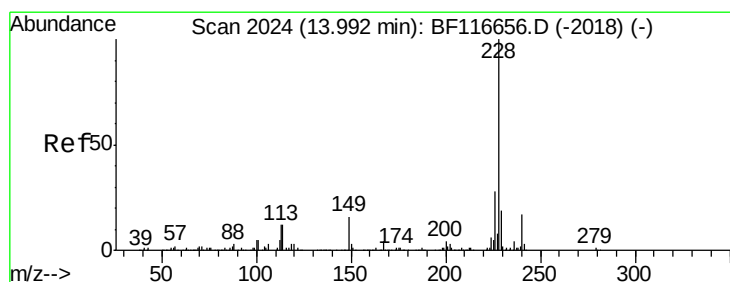
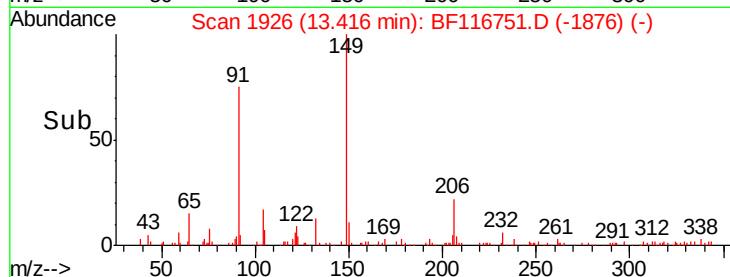
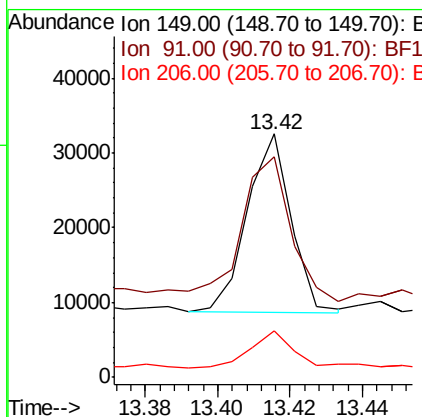
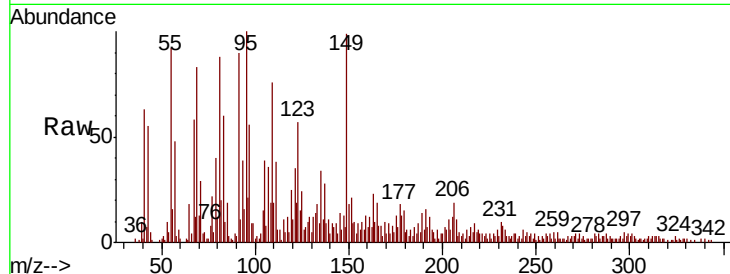
#80
Butylbenzylphthalate
Concen: 2.280 ng
RT: 13.42 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BF116751.D
Acq: 1 Sep 2019 19:09

Instrument :
BNA_F
ClientSampled :
T3-S-D

Tot Ion	Ratio	Resp	Lower	Upper
149	100	20336		
91	90.4	61.0	91.4	
206	19.3	14.8	22.2	

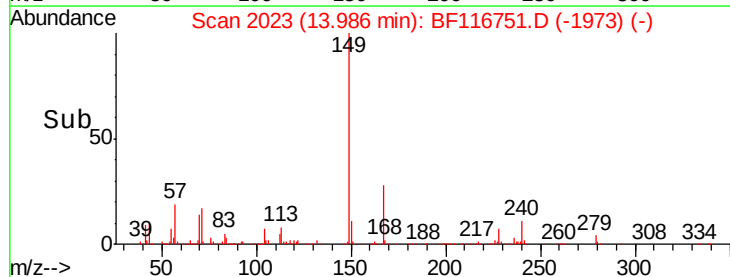
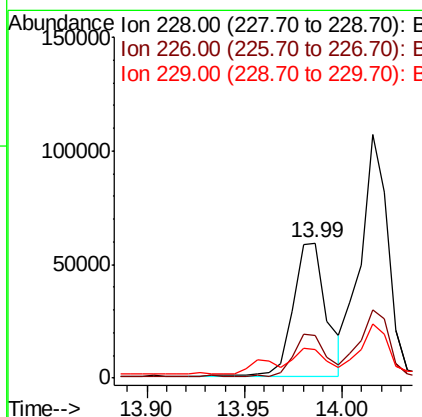
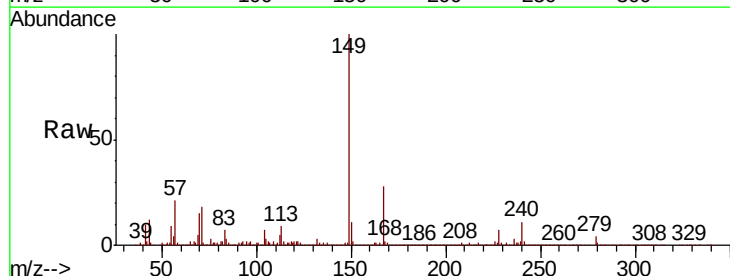
Manual Integrations
APPROVED

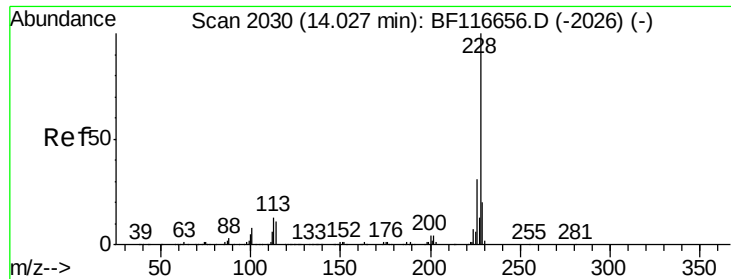
mohammad
9/5/2019 9:54:44 AM



#81
Benzo(a)anthracene
Concen: 5.353 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116751.D
Acq: 1 Sep 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	69899		
226	31.3	22.0	33.0	
229	20.8	16.4	24.6	





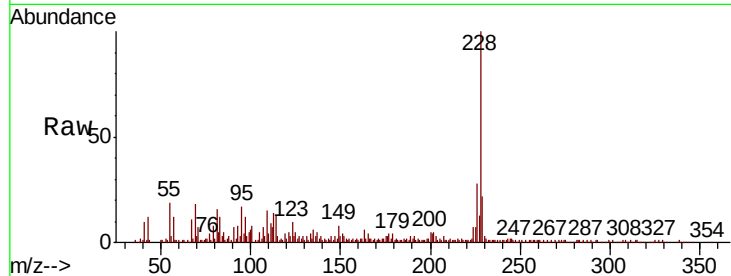
#83
 Chrvsene
 Concen: 7.766 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF116751.D
 Acq: 1 Sep 2019 19:09

Instrument :
 BNA_F
 ClientSampled :
 T3-S-D

Tot Ion	Ratio	Resp	Lower	Upper
228	100	104482		
226	28.3		24.0	36.0
229	22.2		15.4	23.0

Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:54:44 AM

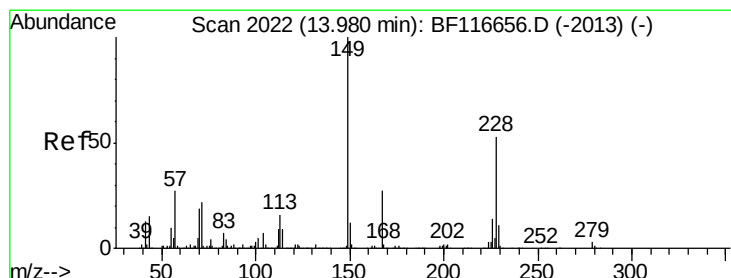
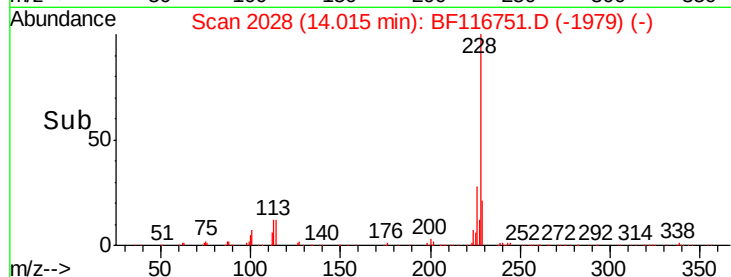
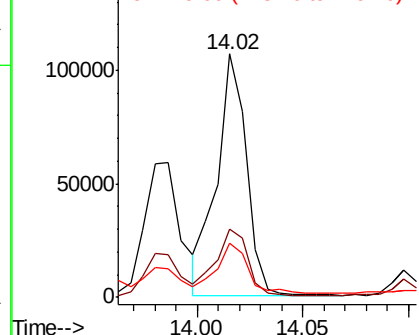


Abundance

Ion 228.00 (227.70 to 228.70): E

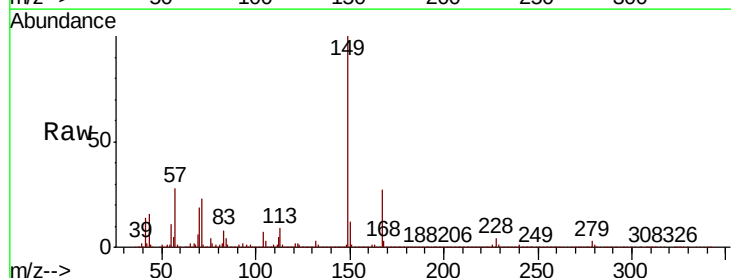
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 116.938 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: BF116751.D
 Acq: 1 Sep 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1287487		
167	27.2		21.0	31.4
279	3.5		2.8	4.2

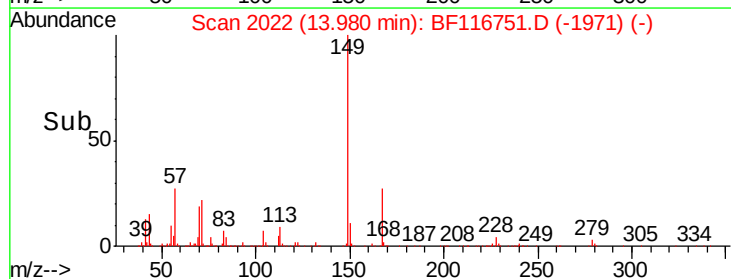
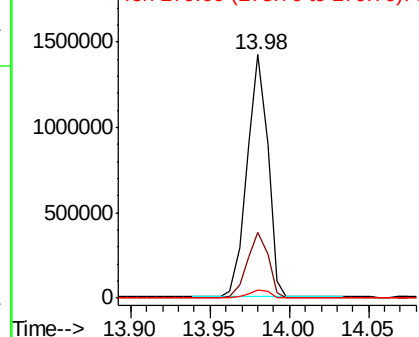


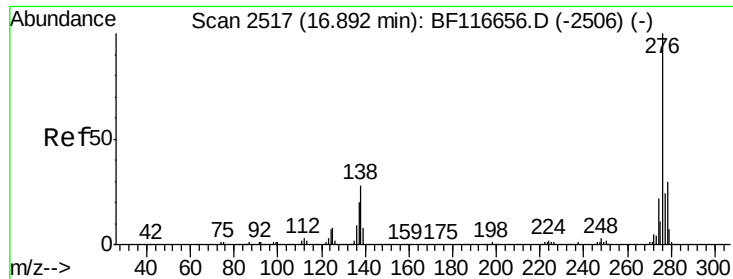
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





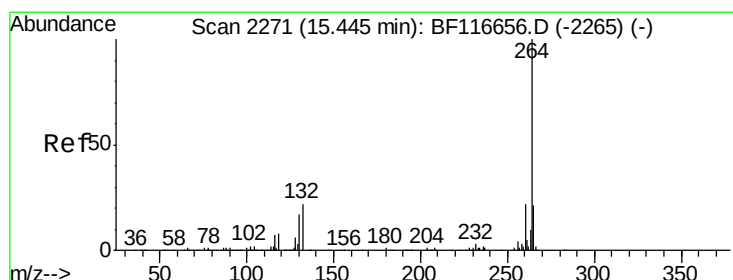
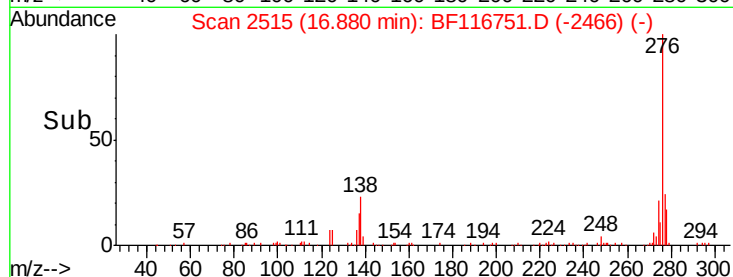
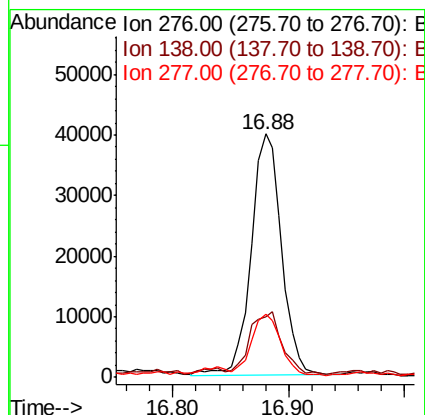
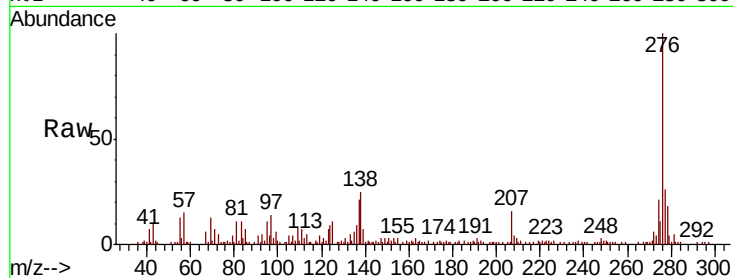
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.768 ng
 RT: 16.88 min Scan# 2515
 Delta R.T. -0.01 min
 Lab File: BF116751.D
 Acq: 1 Sep 2019 19:09

Instrument :
 BNA_F
 ClientSampled :
 T3-S-D

Tot Ion:	276	Resp:	73131
Ion Ratio	Lower	Upper	
276	100		
138	27.1	19.4	29.2
277	23.9	20.5	30.7

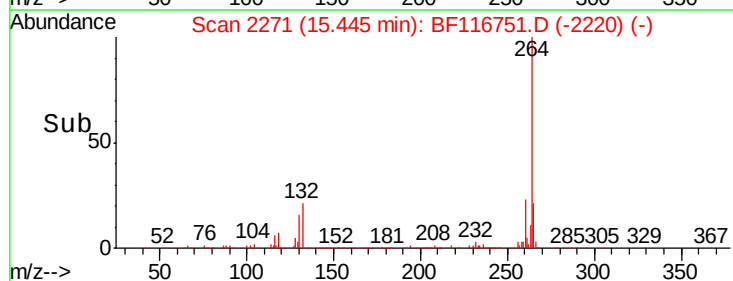
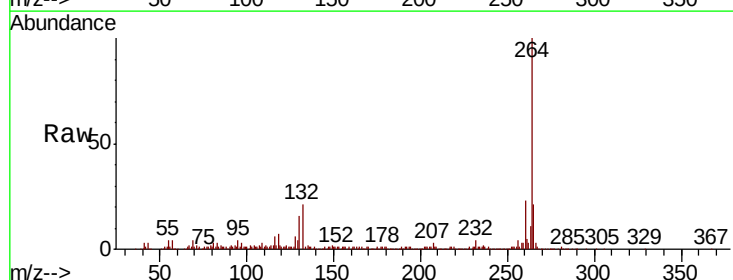
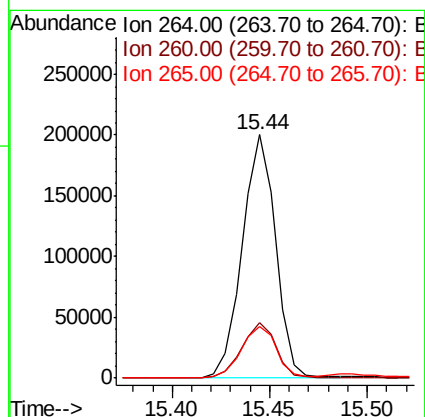
Manual Integrations
 APPROVED

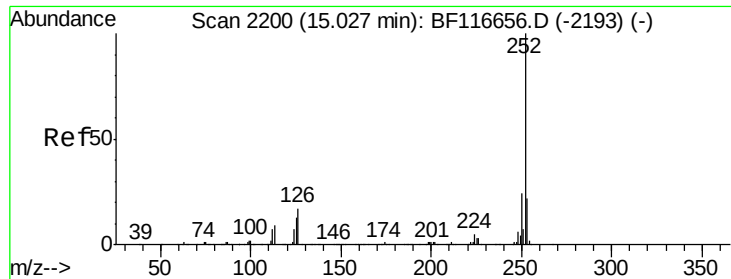
mohammad
 9/5/2019 9:54:44 AM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: BF116751.D
 Acq: 1 Sep 2019 19:09

Tgt Ion:	264	Resp:	237388
Ion Ratio	Lower	Upper	
264	100		
260	22.9	18.3	27.5
265	21.4	16.5	24.7





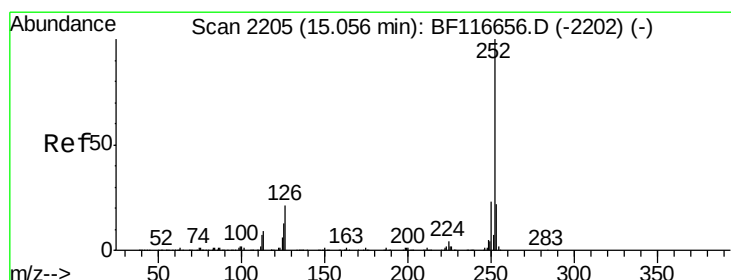
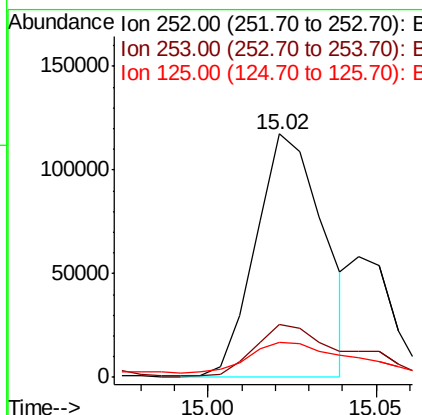
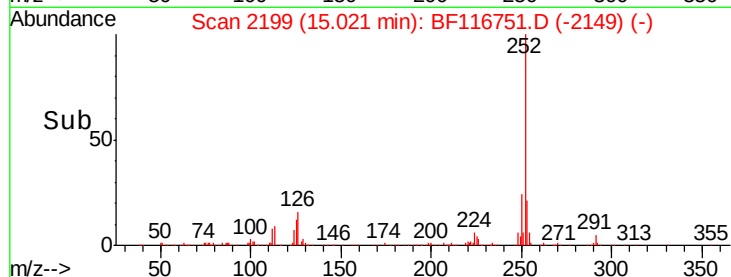
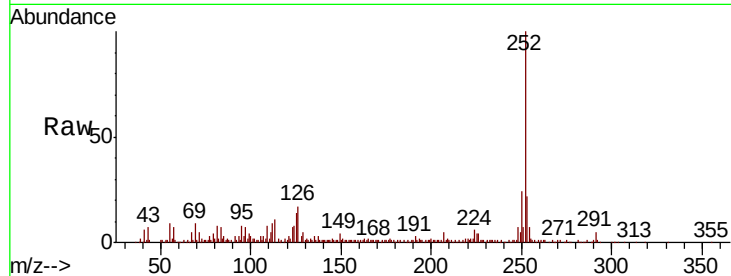
#88
Benzo(b)fluoranthene
Concen: 11.465 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116751.D
Acq: 1 Sep 2019 19:09

Instrument :
BNA_F
ClientSampleId :
T3-S-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	14.4	8.2	12.2

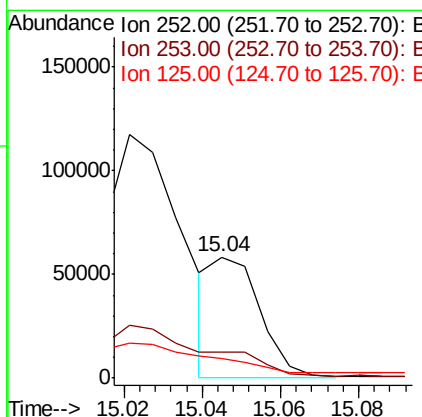
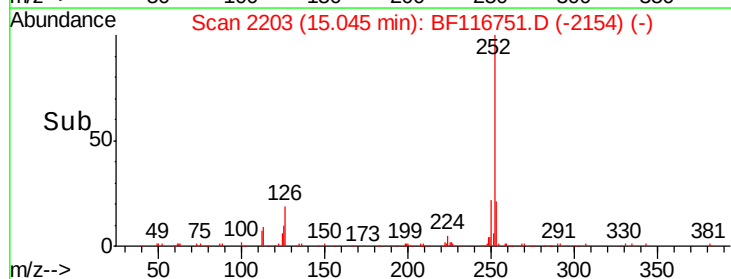
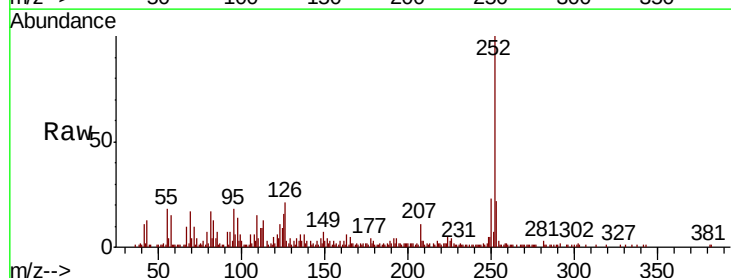
Manual Integrations
APPROVED

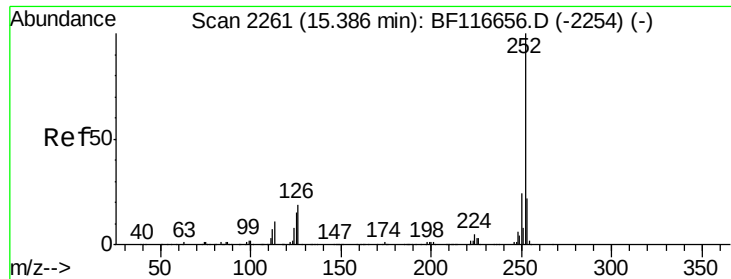
mohammad
9/5/2019 9:54:44 AM



#89
Benzo(k)fluoranthene
Concen: 3.856 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116751.D
Acq: 1 Sep 2019 19:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	16.5	8.6	13.0





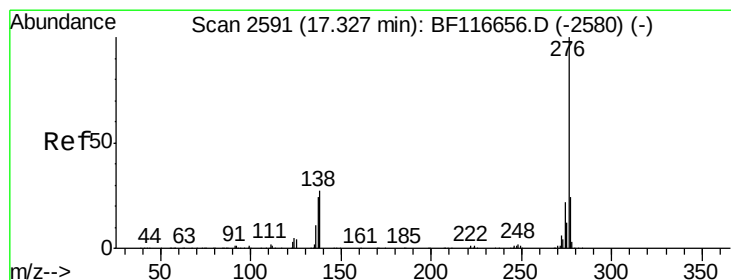
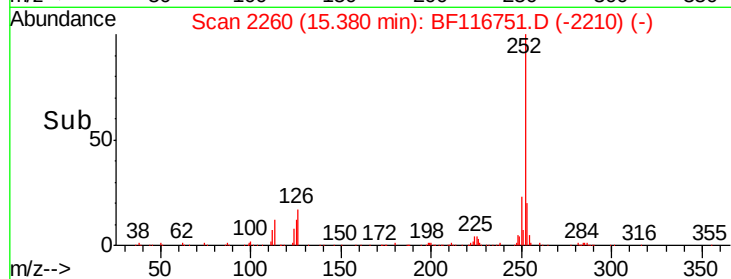
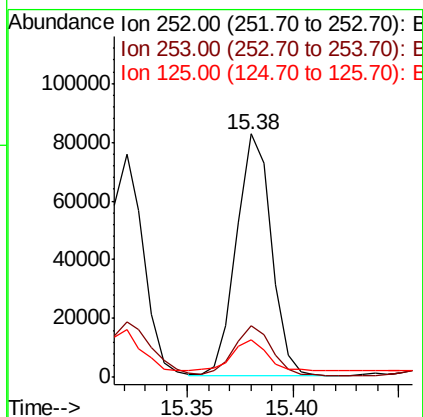
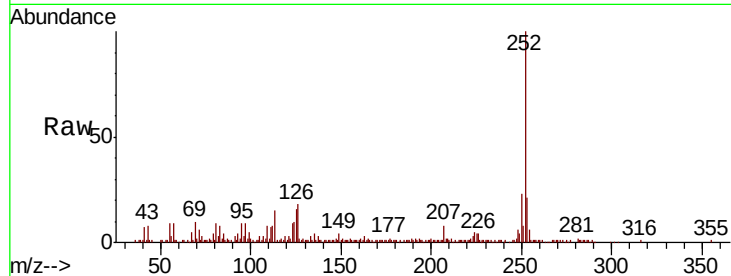
#90
Benzo(a)pyrene
Concen: 7.604 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF116751.D
Acq: 1 Sep 2019 19:09

Instrument :
BNA_F
ClientSampled :
T3-S-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.1	27.1
125	15.6	9.8	14.8#

Manual Integrations
APPROVED

mohammad
9/5/2019 9:54:44 AM



#92
Benzo(g,h,i)perylene
Concen: 6.188 ng
RT: 17.32 min Scan# 2589
Delta R.T. -0.01 min
Lab File: BF116751.D
Acq: 1 Sep 2019 19:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.3	18.5	27.7
138	26.6	16.2	24.2#

