

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116681.D
 Acq On : 31 Aug 2019 5:34
 Operator : HP/JU
 Sample : K4543-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

Manual Integrations
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Quant Time: Aug 31 11:26:31 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	101496	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	404036	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	205503	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	316168	20.00	ng	0.00
76) Chrysene-d12	14.00	240	192072	20.00	ng	0.00
87) Perylene-d12	15.45	264	230943	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	616606	98.42	ng	0.00
7) Phenol-d6	6.47	99	829363	100.81	ng	0.00
23) Nitrobenzene-d5	7.40	82	510092	72.07	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	138581	100.87	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	756504	62.10	ng	0.00
79) Terphenyl-d14	12.94	244	563846	54.31	ng	0.00
Target Compounds						
10) Phenol	6.49	94	62299	6.839	ng	92
38) 1-Methylnaphthalene	8.94	142	32045	2.656	ng	100
49) Acenaphthylene	9.74	152	48549	2.600	ng	98
50) Dimethylphthalate	9.59	163	143780	10.134	ng	99
52) Acenaphthene	9.91	154	109517	9.547	ng	99
55) Dibenzofuran	10.08	168	99008	6.122	ng	# 94
58) Fluorene	10.43	166	156814	12.726	ng	98
71) Phenanthrene	11.39	178	1552153	88.191	ng	98
72) Anthracene	11.44	178	406540	22.947	ng	99
73) Carbazole	11.59	167	78692	4.663	ng	99
75) Fluoranthene	12.58	202	1580253	91.363	ng	97
78) Pyrene	12.81	202	1273482	74.586	ng	98
81) Benzo(a)anthracene	13.99	228	570004	46.890	ng	98
83) Chrysene	14.02	228	476642	38.059	ng	97
86) Indeno(1,2,3-cd)pyrene	16.90	276	221333	22.003	ng	97
88) Benzo(b)fluoranthene	15.03	252	608668m	43.593	ng	
89) Benzo(k)fluoranthene	15.06	252	162749m	12.784	ng	
90) Benzo(a)pyrene	15.39	252	403319	33.202	ng	96
91) Dibenzo(a,h)anthracene	16.90	278	54631	5.138	ng	# 83
92) Benzo(a,h,i)perylene	17.33	276	179952	16.594	ng	# 95

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

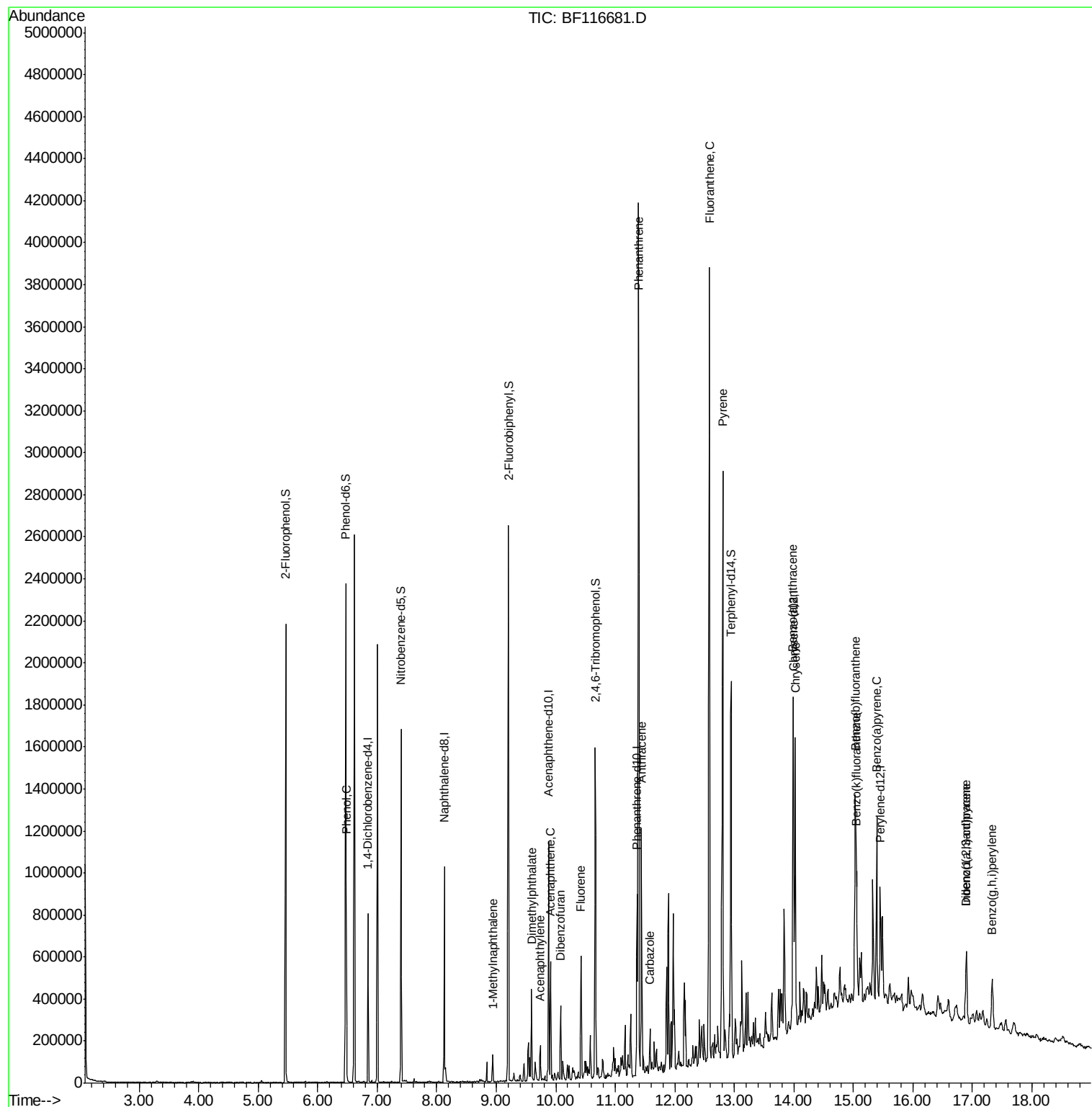
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
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ALS Vial : 20 Sample Multiplier: 1

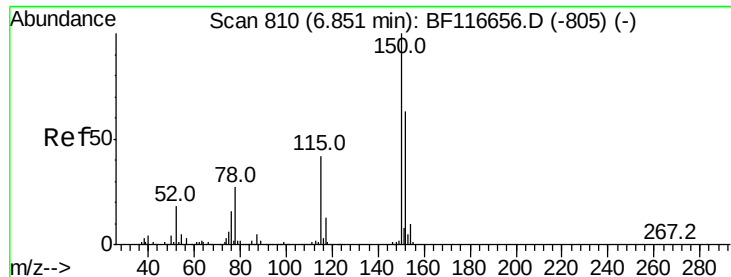
Instrument :
BNA_F
ClientSampled :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

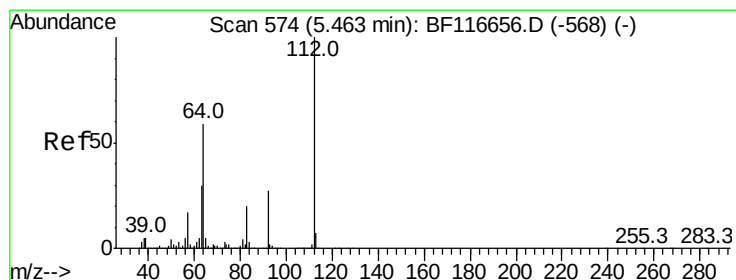
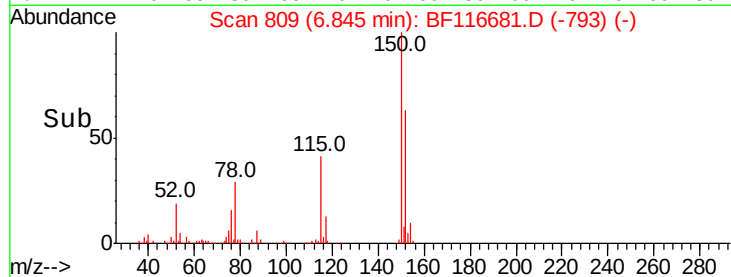
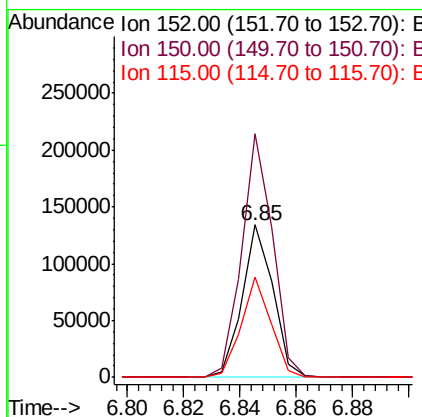
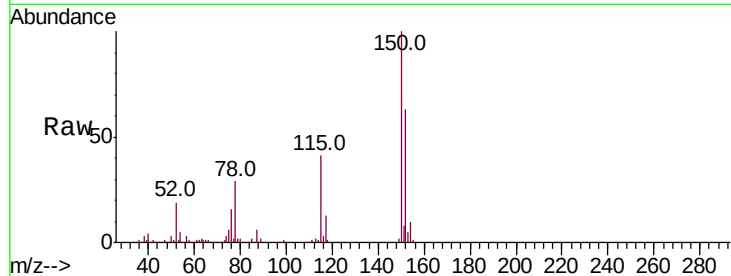
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Instrument :
BNA_F
ClientSampled :
TP-2-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.4	186.6
115	65.5	49.9	74.9

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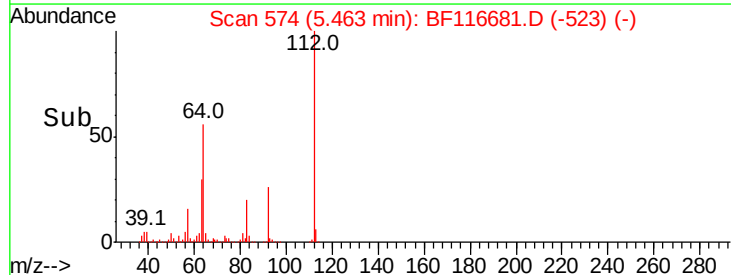
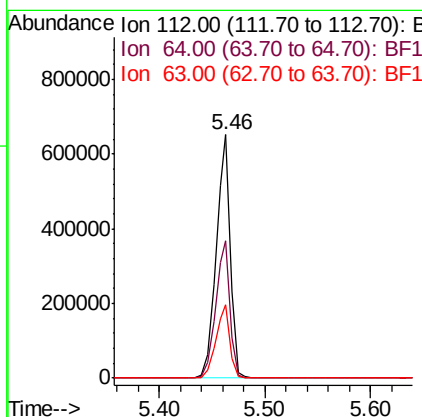
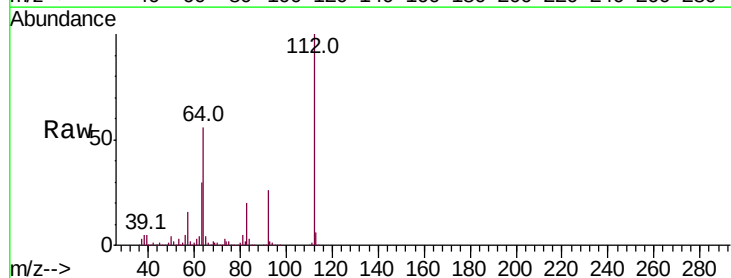
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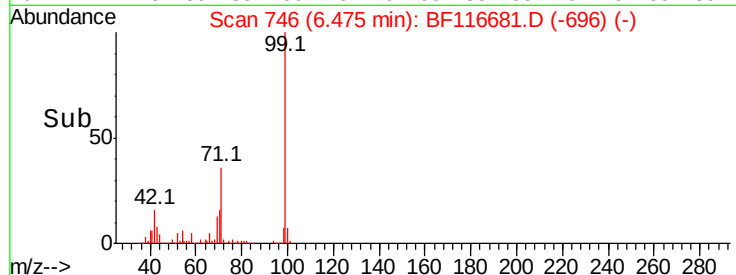
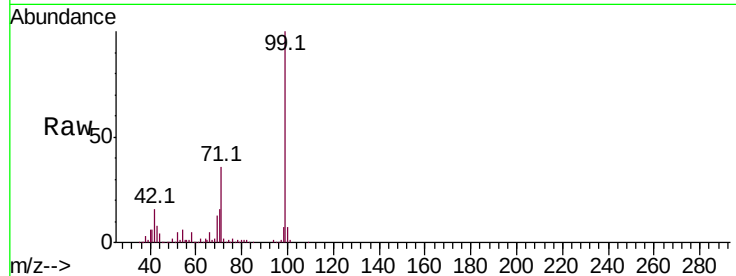
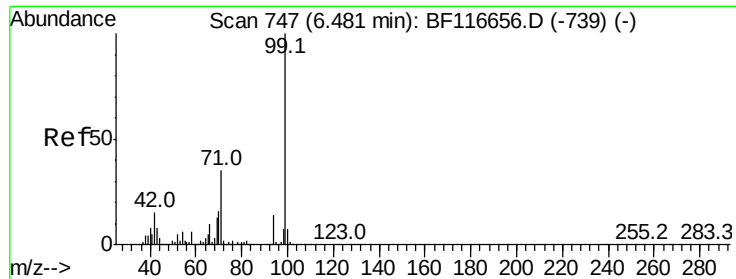


#5

2-Fluorophenol
Concen: 98.421 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.1	70.7
63	30.1	24.9	37.3





#7

Phenol-d6

Concen: 100.815 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Tot Ion:	99	Resp:	829363
Ion Ratio	Lower	Upper	
99	100		
42	15.8	13.7	20.5
71	35.6	30.8	46.2

Instrument :

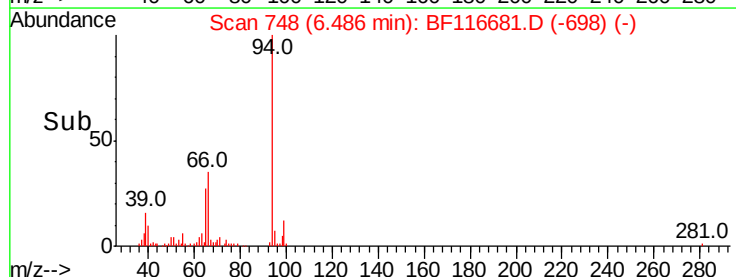
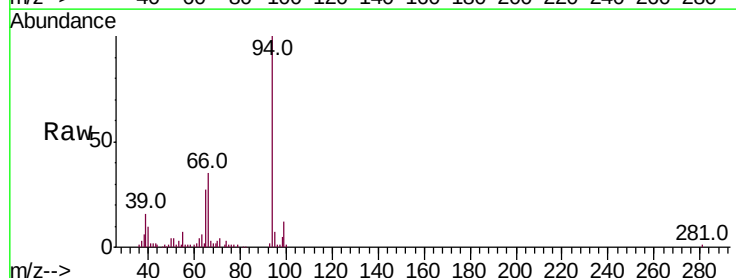
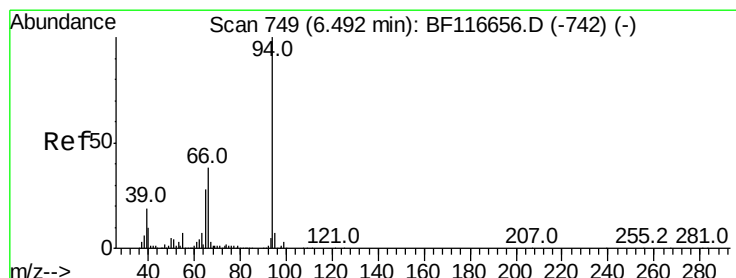
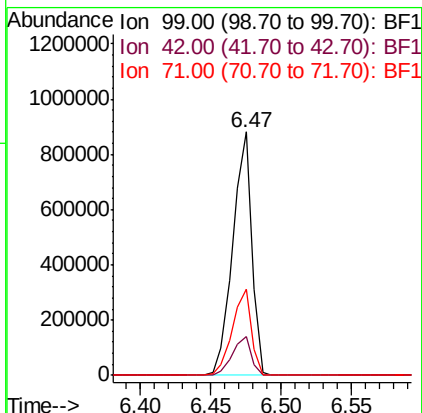
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 6.839 ng

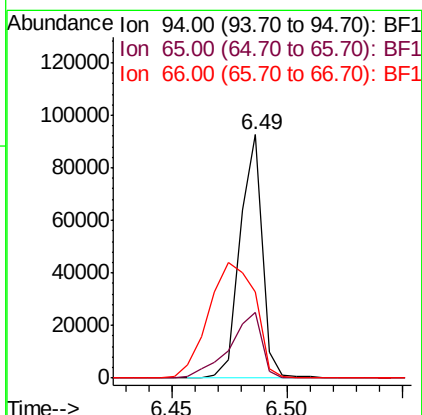
RT: 6.49 min Scan# 748

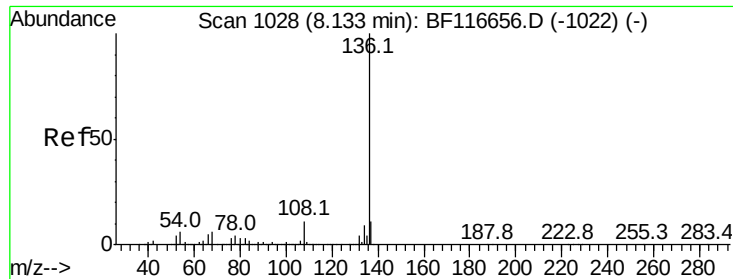
Delta R.T. -0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Tgt Ion:	94	Resp:	62299
Ion Ratio	Lower	Upper	
94	100		
65	26.8	10.8	50.8
66	35.4	21.1	61.1





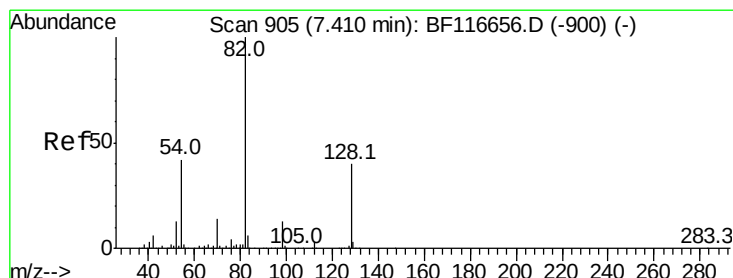
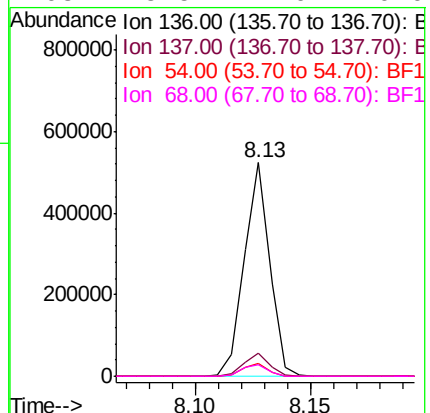
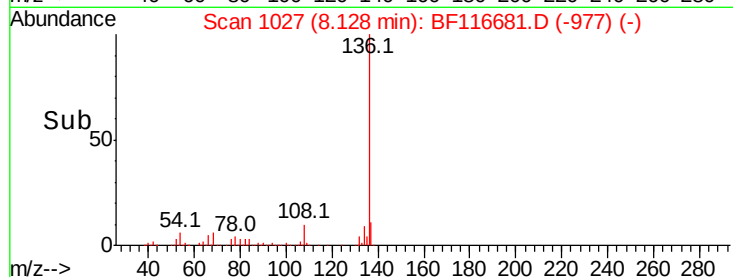
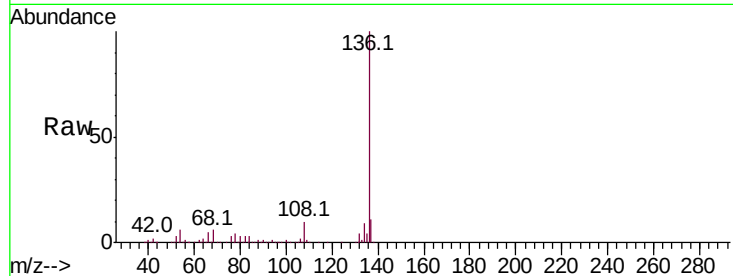
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Instrument :
BNA_F
ClientSampleId :
TP-2-S

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.6	8.9	13.3
54	5.7	4.8	7.2
68	5.5	4.0	6.0

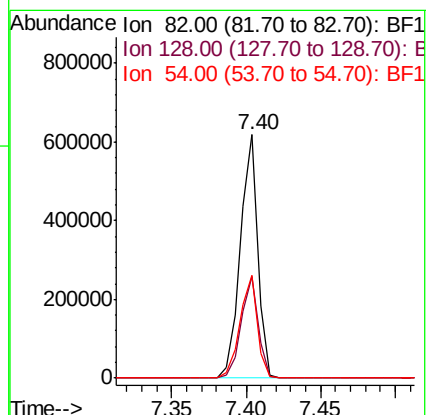
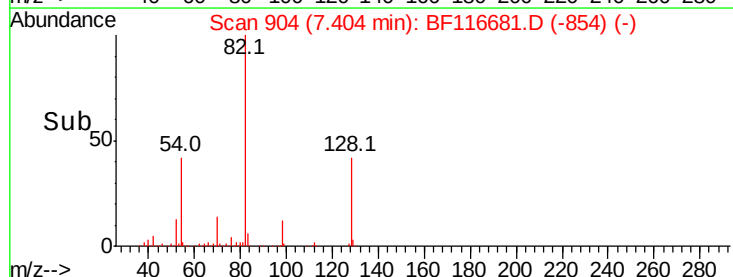
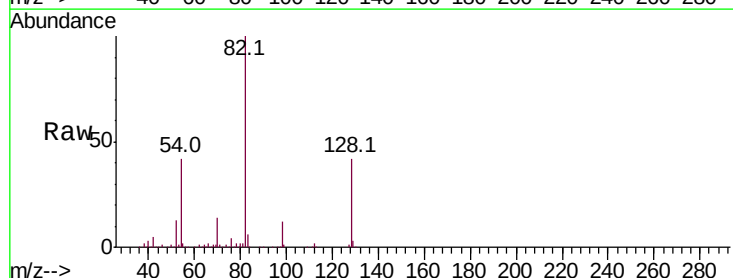
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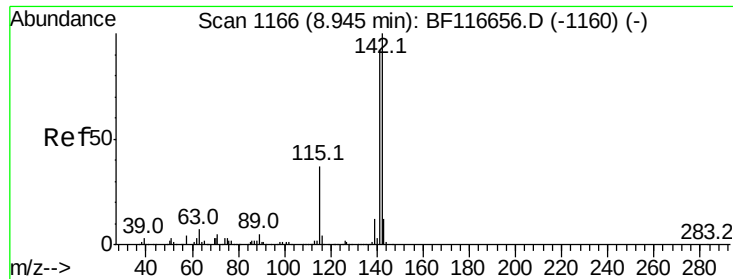
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#23
Nitrobenzene-d5
Concen: 72.072 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	41.6	32.8	49.2
54	42.0	36.9	55.3





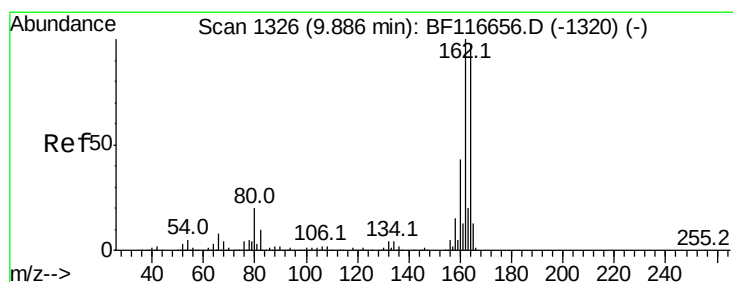
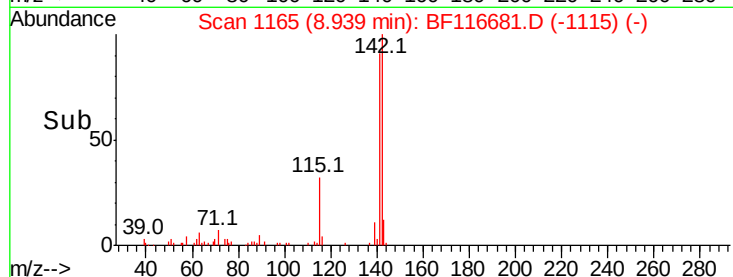
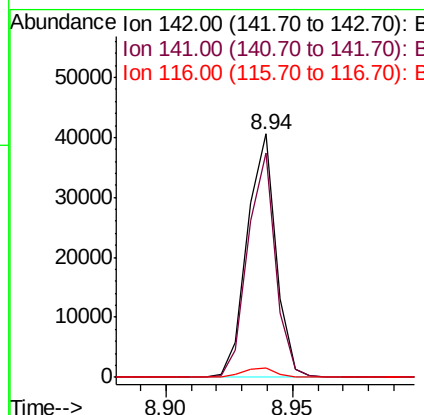
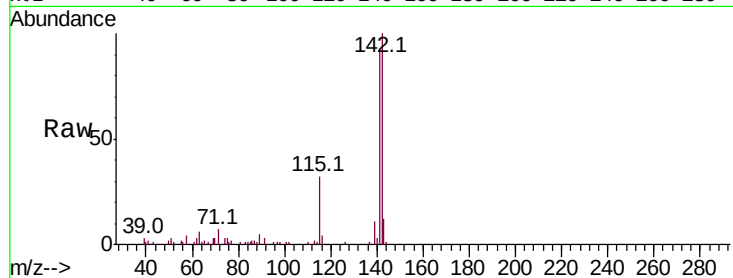
#38
1-Methylnaphthalene
Concen: 2.656 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
142	100	32045		
141	92.0		73.9	110.9
116	3.9		3.0	4.6

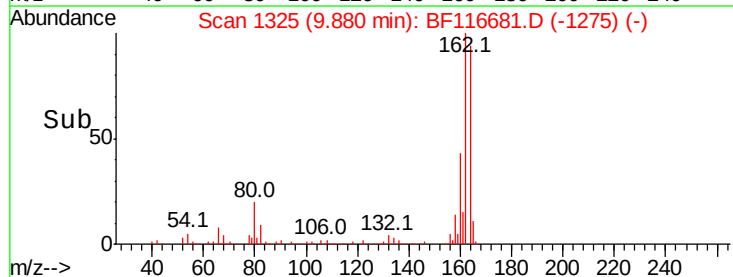
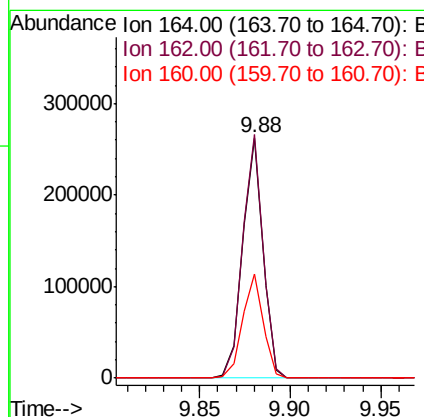
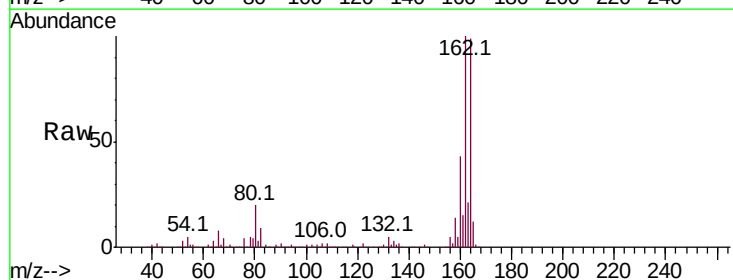
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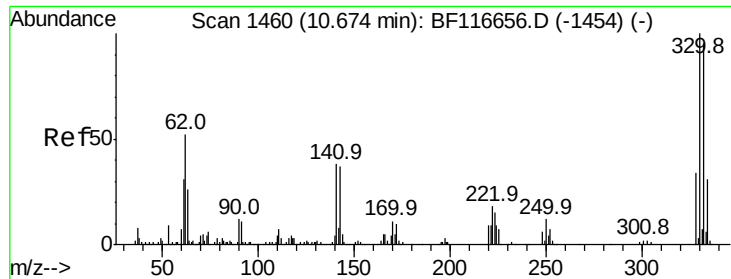
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	205503		
162	101.4		81.4	122.0
160	43.2		35.4	53.2





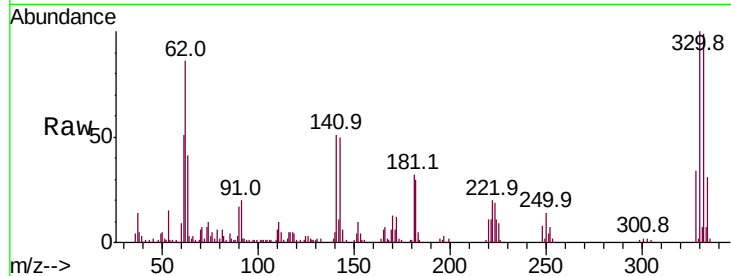
#42
 2,4,6-Tribromophenol
 Concen: 100.872 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116681.D
 Acq: 31 Aug 2019 5:34

Instrument :
 BNA_F
 ClientSampled :
 TP-2-S

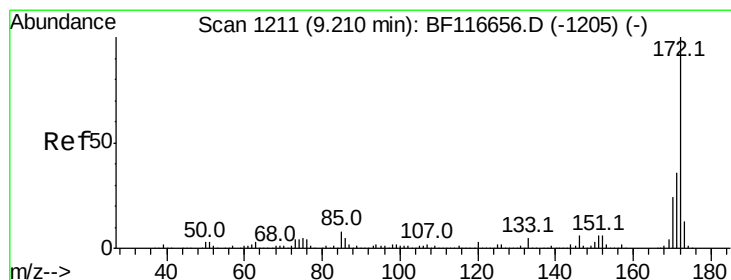
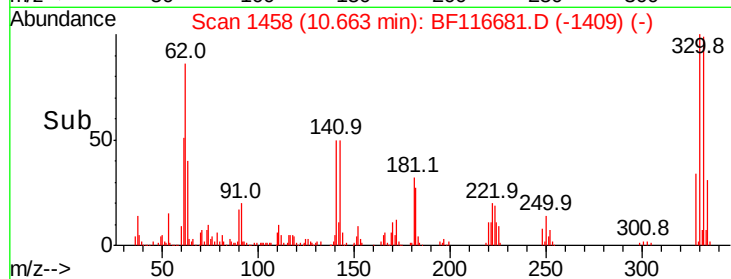
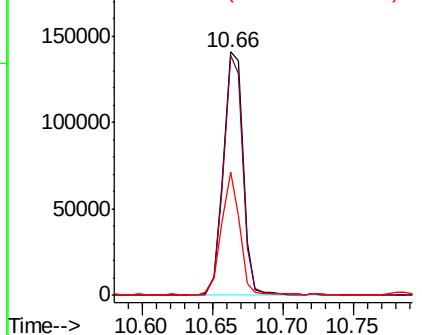
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	76.9	115.3	
141	46.6	31.4	47.2	

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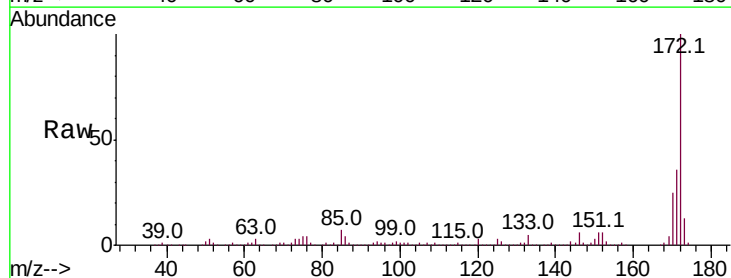


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

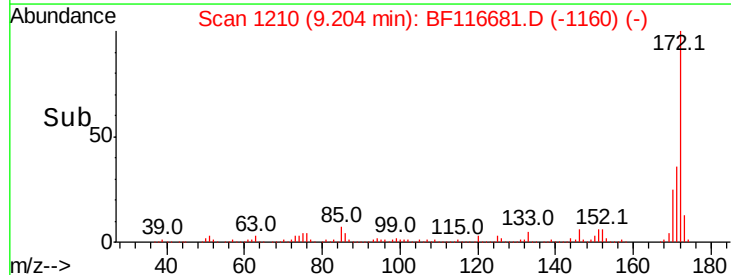
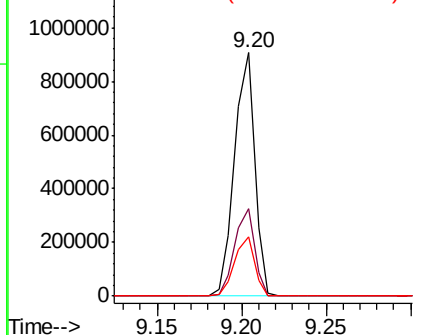


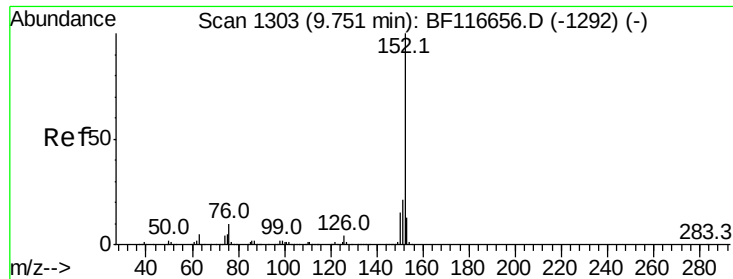
#45
 2-Fluorobiphenyl
 Concen: 62.098 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116681.D
 Acq: 31 Aug 2019 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	27.8	41.6	
170	24.5	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





#49

Acenaphthylene

Concen: 2.600 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Instrument :

BNA_F

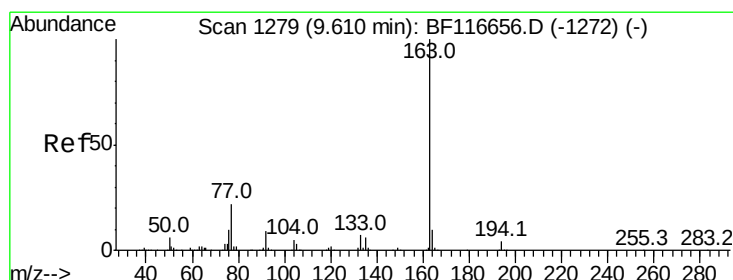
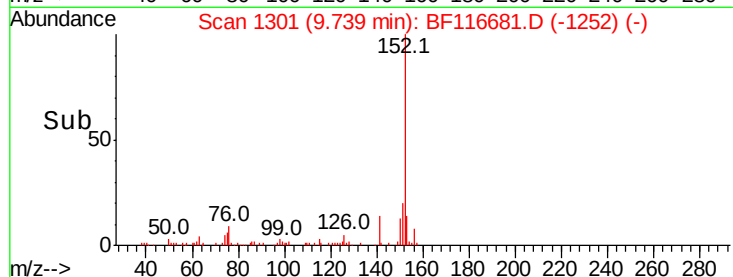
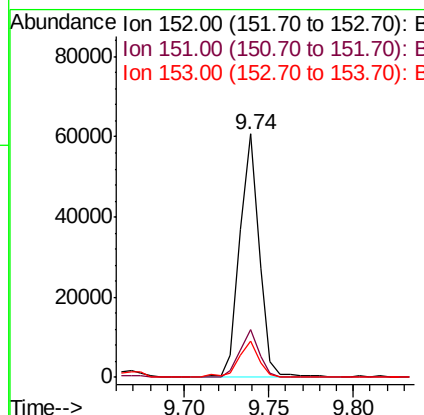
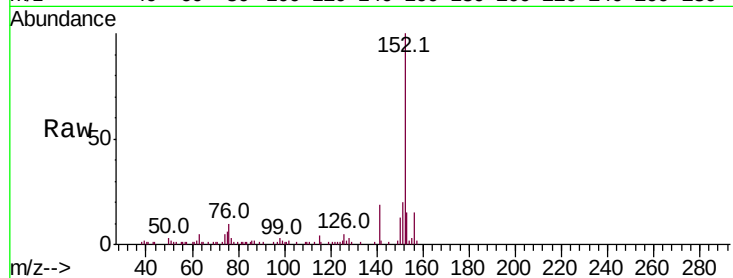
ClientSampleId :

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Tot Ion:	152	Resp:	48549
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.9	23.9
153	14.9	10.9	16.3

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#50

Dimethylphthalate

Concen: 10.134 ng

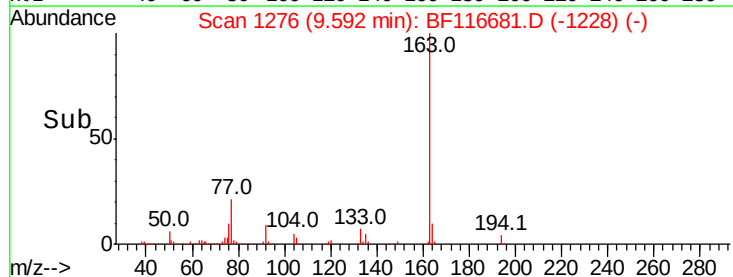
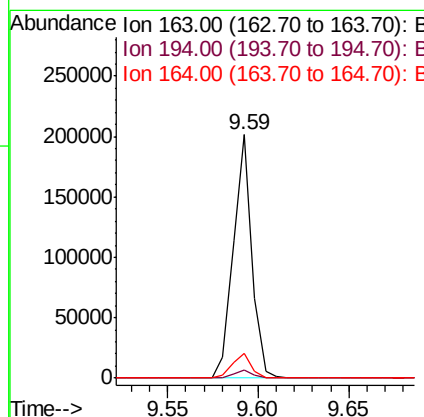
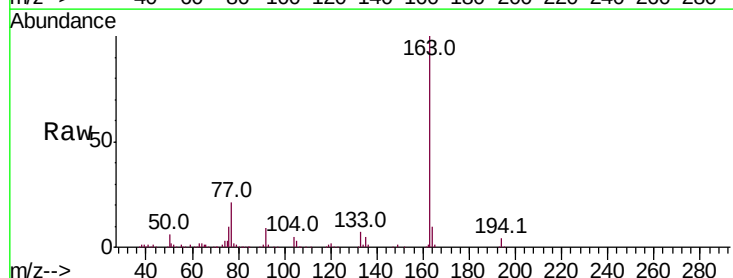
RT: 9.59 min Scan# 1276

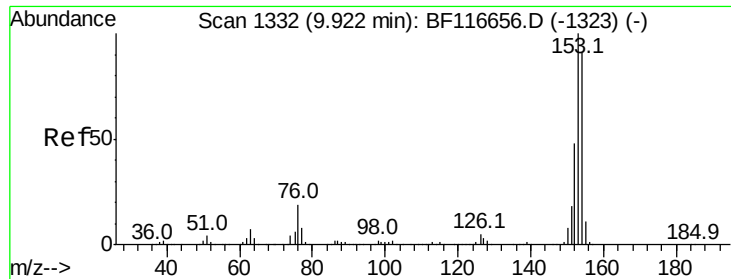
Delta R.T. -0.02 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Tgt Ion:	163	Resp:	143780
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.8	4.2
164	10.1	8.6	12.8





#52

Acenaphthene

Concen: 9.547 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Instrument :

BNA_F

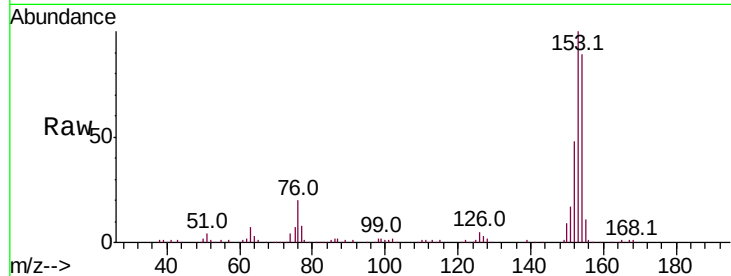
ClientSampleId :

TP-2-S

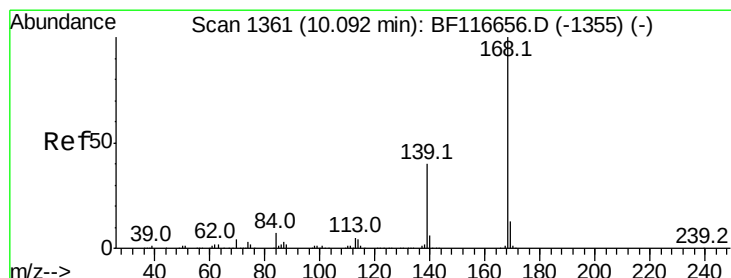
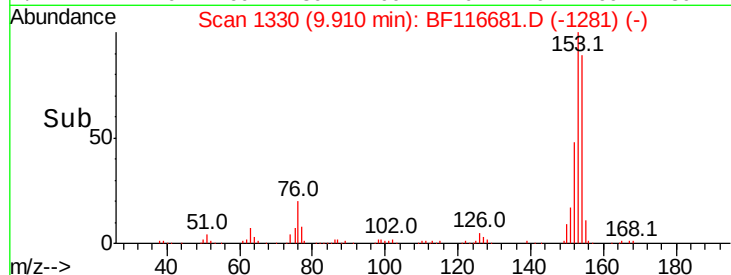
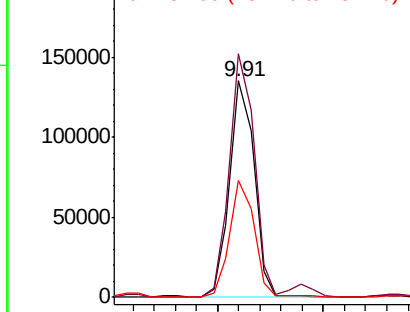
Tot Ion:	154	Resp:	109517
Ion Ratio	Lower	Upper	
154	100		
153	112.4	89.5	134.3
152	54.3	41.9	62.9

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 6.122 ng

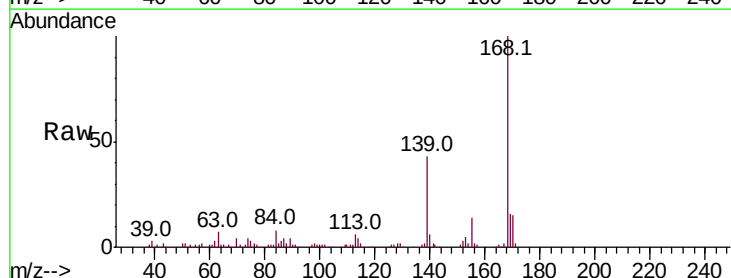
RT: 10.08 min Scan# 1359

Delta R.T. -0.01 min

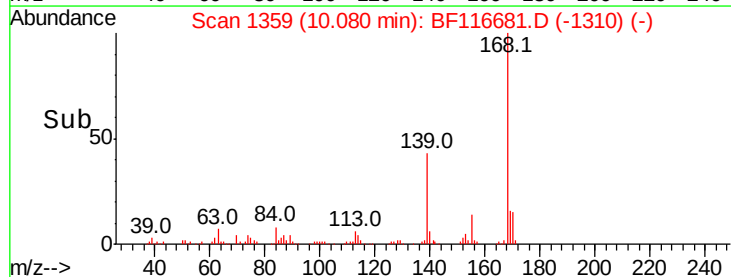
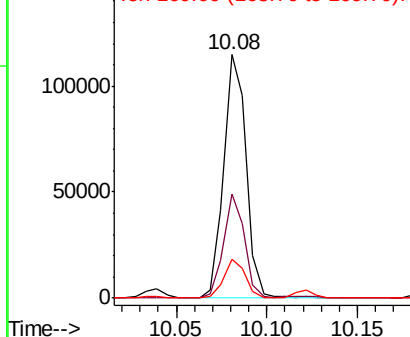
Lab File: BF116681.D

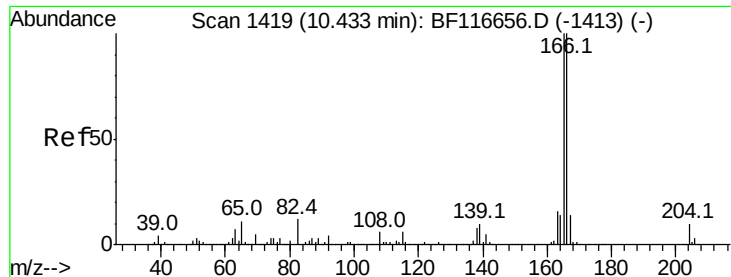
Acq: 31 Aug 2019 5:34

Tgt Ion:	168	Resp:	99008
Ion Ratio	Lower	Upper	
168	100		
139	42.6	31.5	47.3
169	16.1	10.3	15.5#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 12.726 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Instrument :

BNA_F

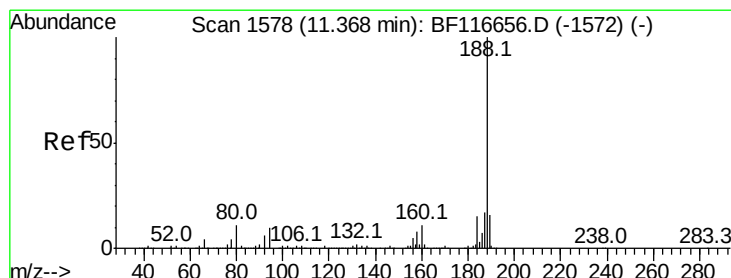
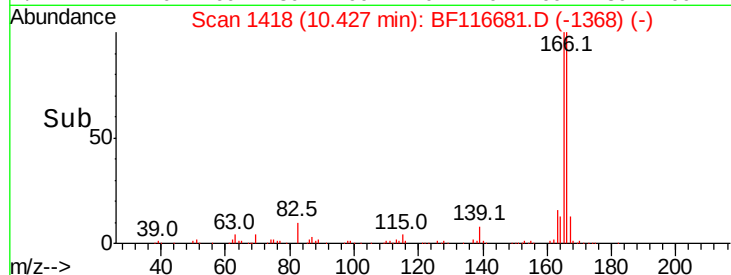
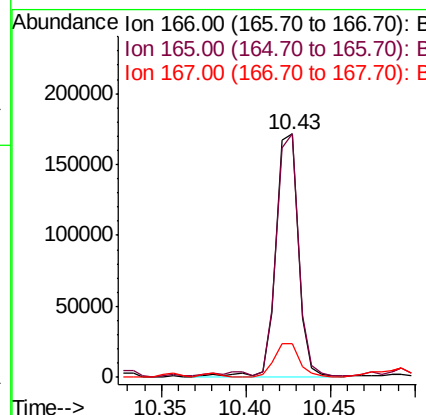
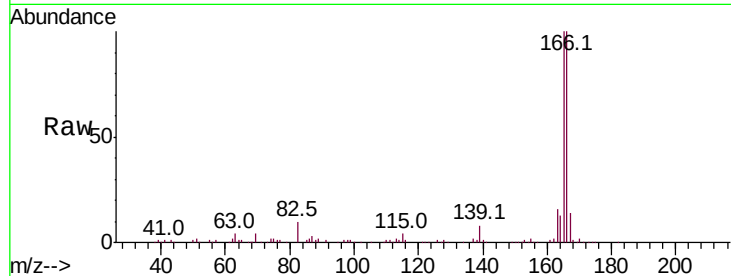
ClientSampleId :

TP-2-S

Tot Ion	Ratio	Resp	Lower	Upper
166	100	156814		
165	99.9	78.8	118.2	
167	13.7	10.0	15.0	

Manual Integrations
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mohammad
8/31/2019 2:45:41 PM



#64

Phenanthrene-d10

Concen: 20.000 ng

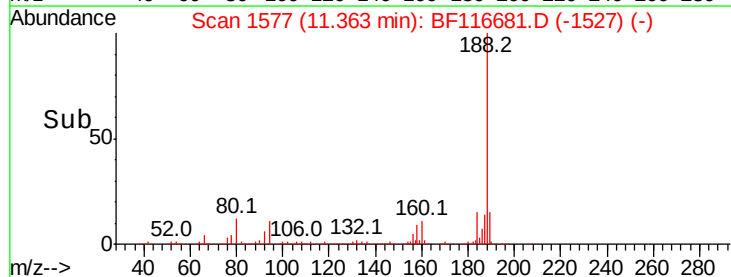
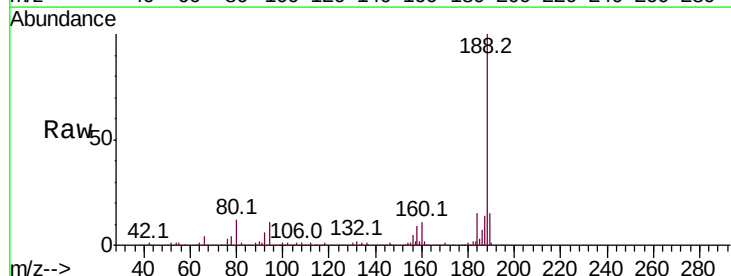
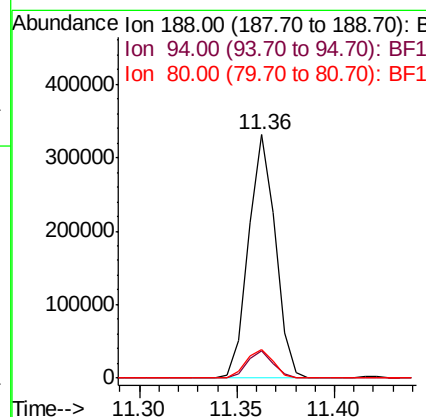
RT: 11.36 min Scan# 1577

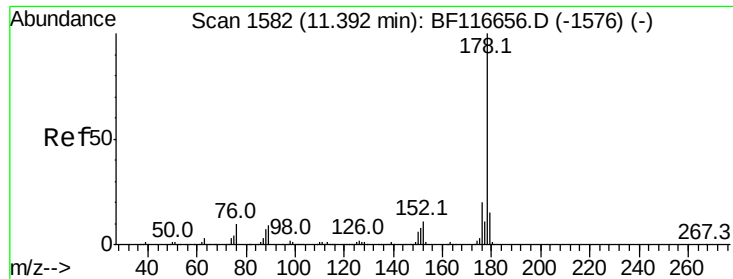
Delta R.T. -0.01 min

Lab File: BF116681.D

Acq: 31 Aug 2019 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	316168		
94	11.0	7.3	10.9#	
80	11.7	8.4	12.6	





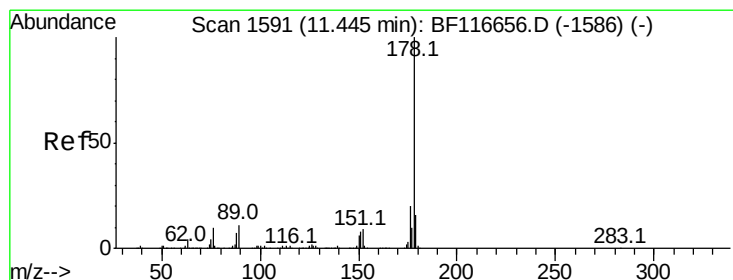
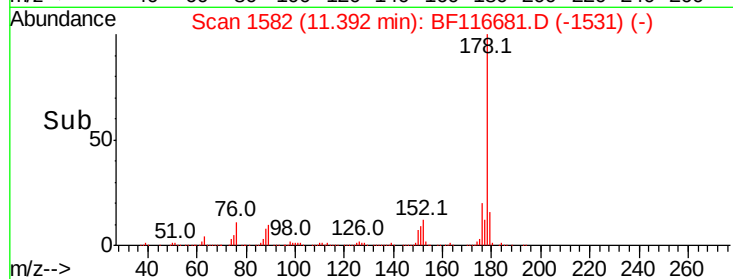
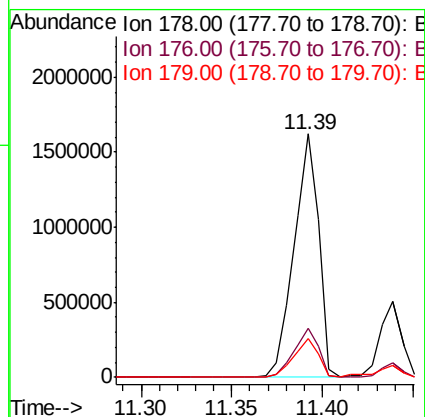
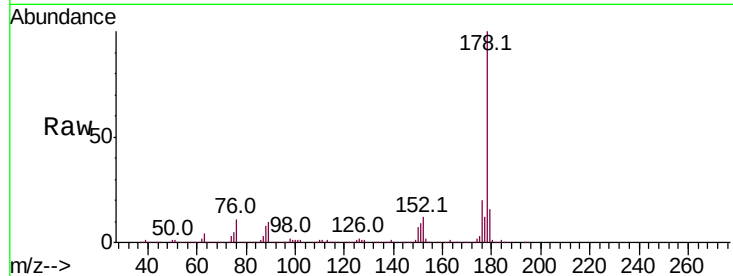
#71
Phenanthrene
Concen: 88.191 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Instrument :
BNA_F
ClientSampleId :
TP-2-S

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.4	23.0
179	15.9	12.2	18.2

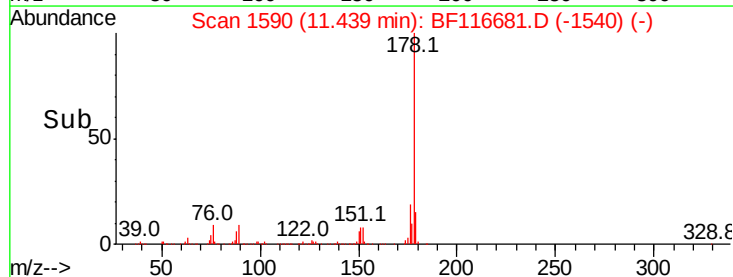
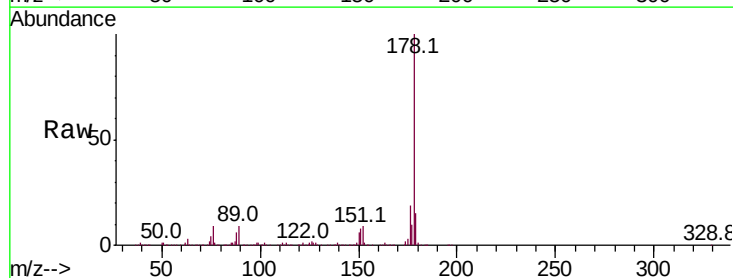
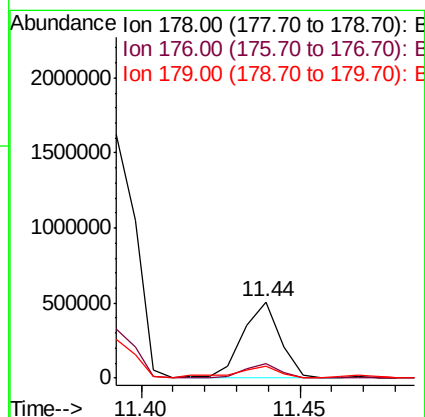
Manual Integrations
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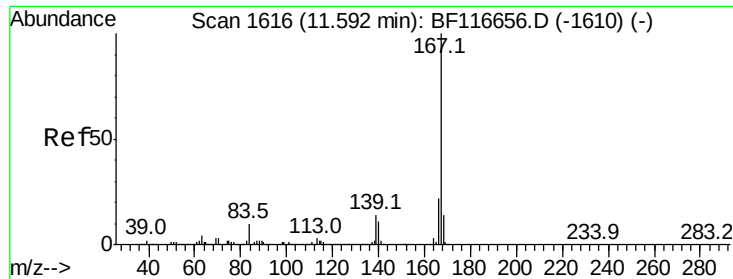
mohammad
8/31/2019 2:45:41 PM



#72
Anthracene
Concen: 22.947 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.0	12.5	18.7





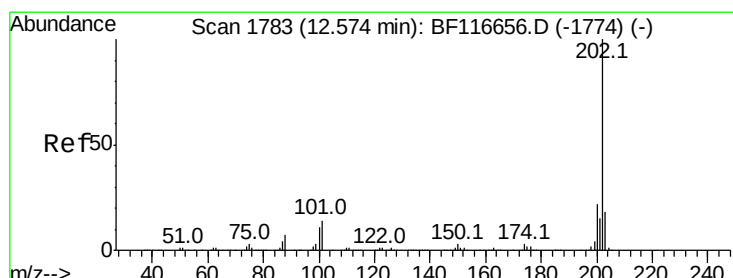
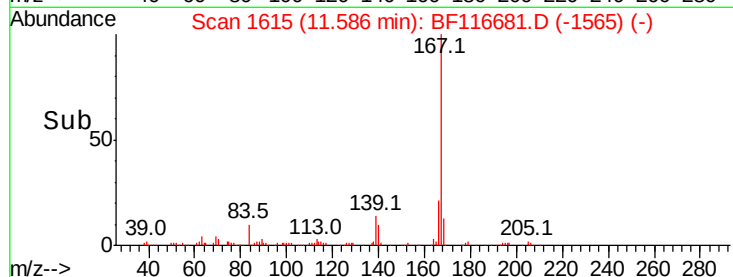
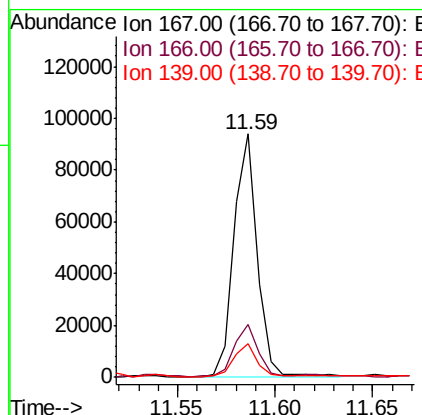
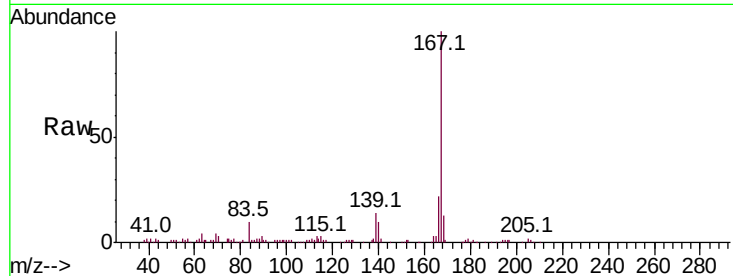
#73
 Carbazole
 Concen: 4.663 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: BF116681.D
 Acq: 31 Aug 2019 5:34

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

Tot Ion:167	Resp:	78692
Ion Ratio	Lower	Upper
167 100		
166 21.6	17.8	26.6
139 13.6	11.1	16.7

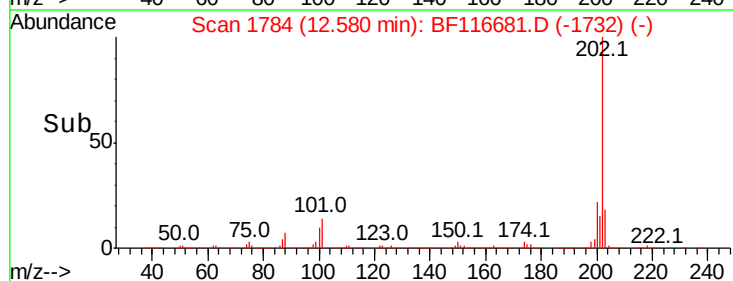
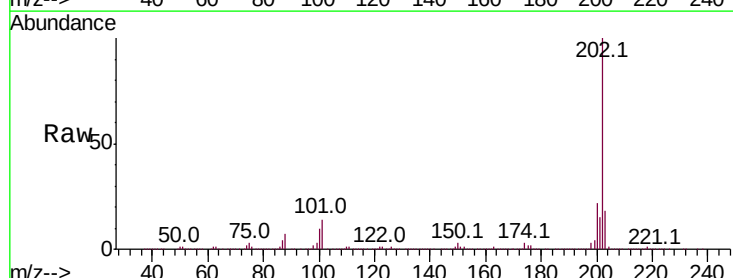
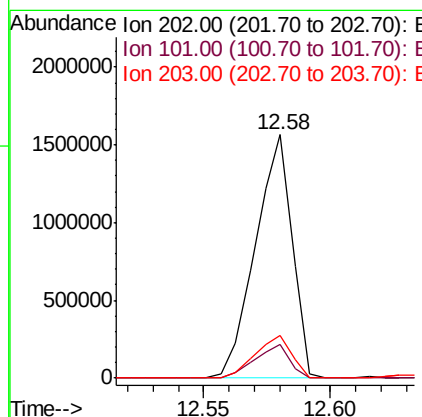
Manual Integrations
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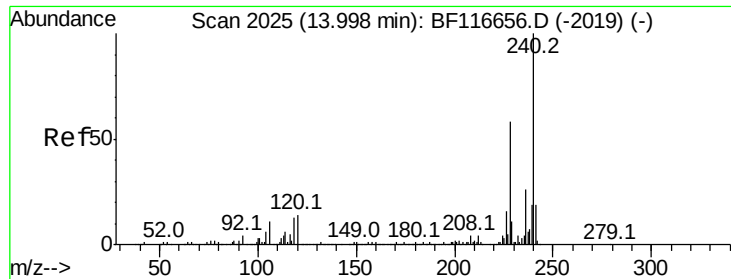
mohammad
 8/31/2019 2:45:41 PM



#75
 Fluoranthene
 Concen: 91.363 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BF116681.D
 Acq: 31 Aug 2019 5:34

Tgt Ion:202	Resp:	1580253
Ion Ratio	Lower	Upper
202 100		
101 13.8	0.0	31.3
203 17.8	0.0	37.6





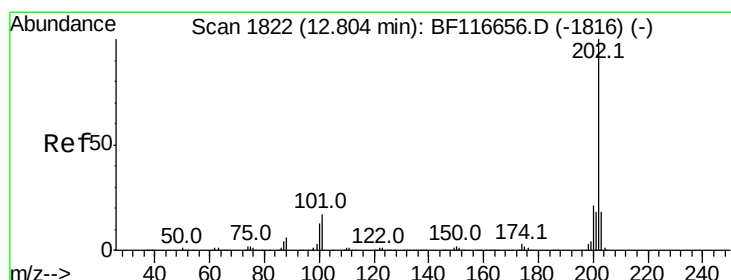
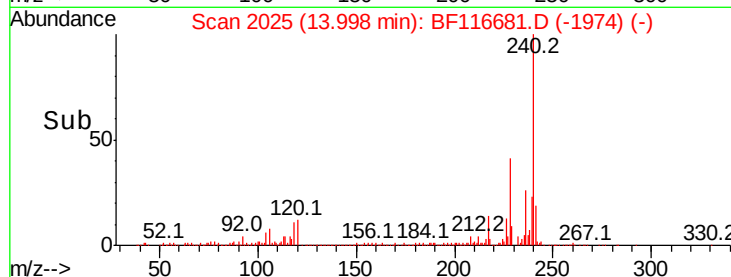
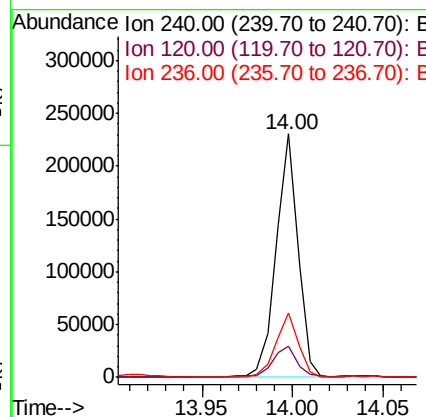
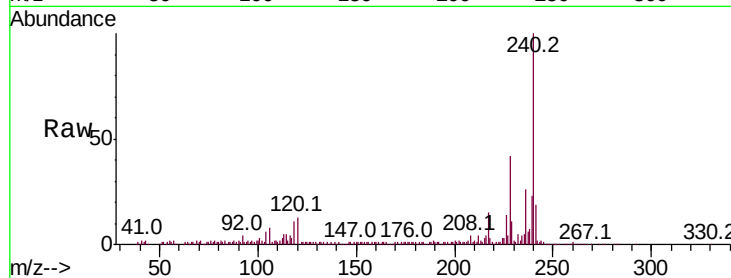
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Instrument :
BNA_F
ClientSampleId :
TP-2-S

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.7	9.1	13.7	
236	26.3	21.1	31.7	

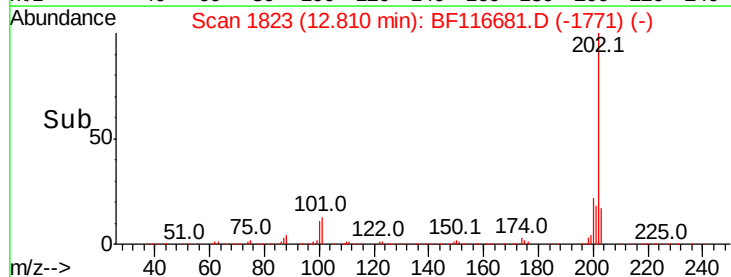
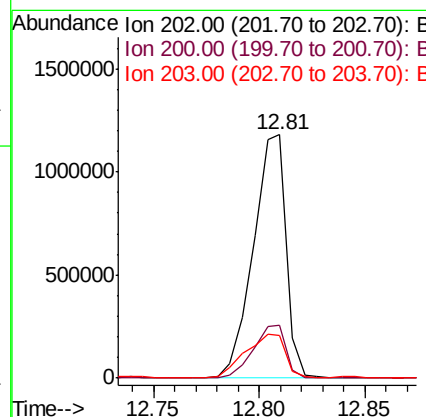
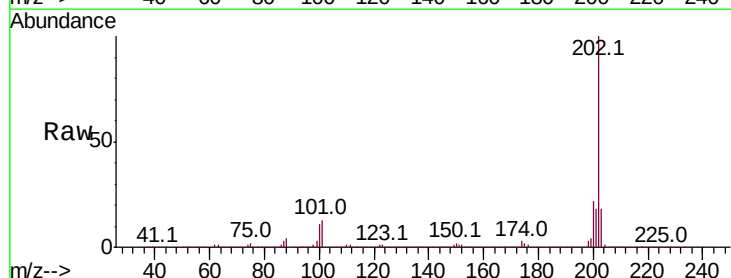
Manual Integrations
APPROVED

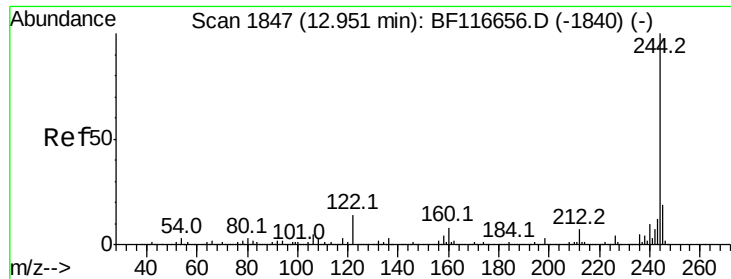
mohammad
8/31/2019 2:45:41 PM



#78
Pyrene
Concen: 74.586 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.9	16.5	24.7	
203	17.6	13.7	20.5	





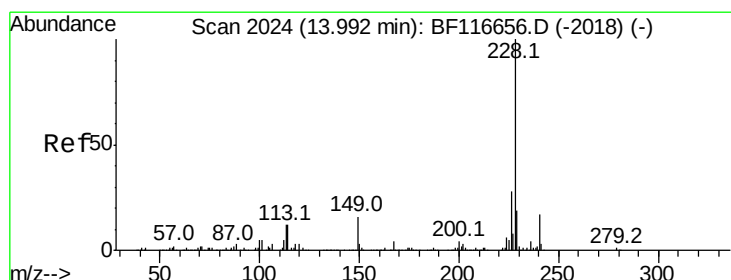
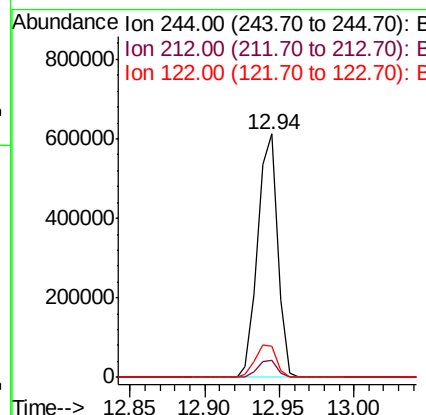
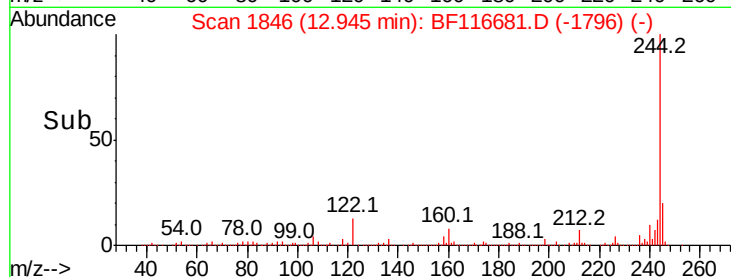
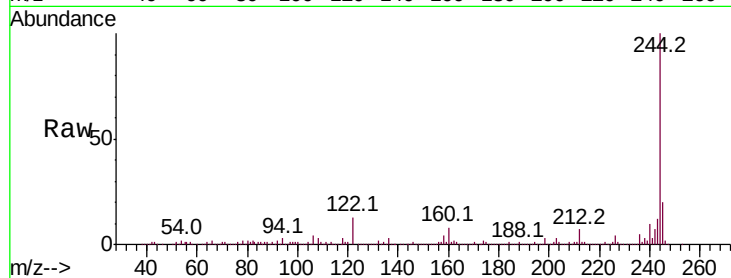
#79
 Terphenyl-d14
 Concen: 54.307 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116681.D
 Acq: 31 Aug 2019 5:34

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	12.7	10.2	15.4

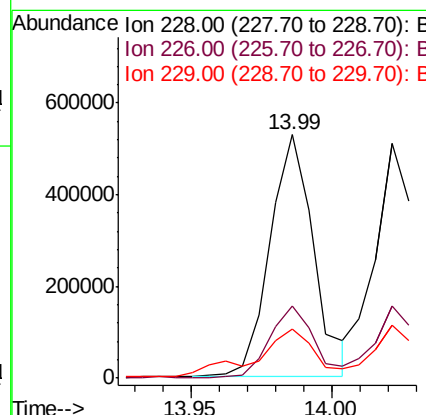
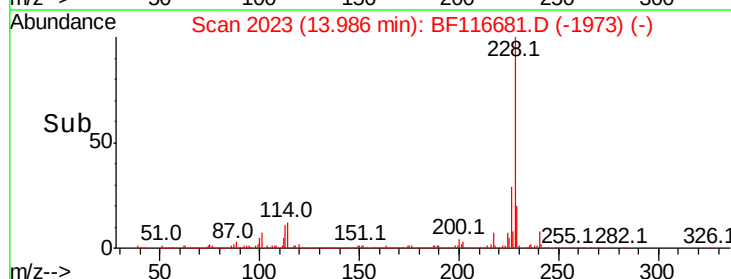
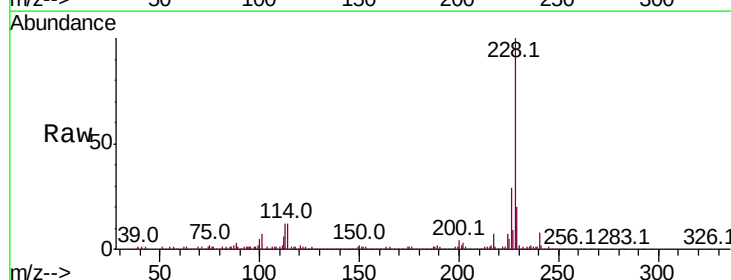
Manual Integrations
 APPROVED

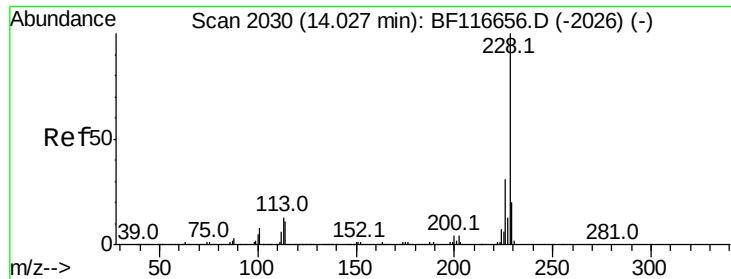
mohammad
 8/31/2019 2:45:41 PM



#81
 Benzo(a)anthracene
 Concen: 46.890 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF116681.D
 Acq: 31 Aug 2019 5:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.0	33.0
229	20.3	16.4	24.6





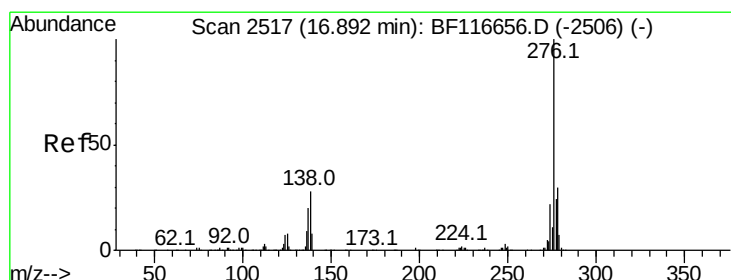
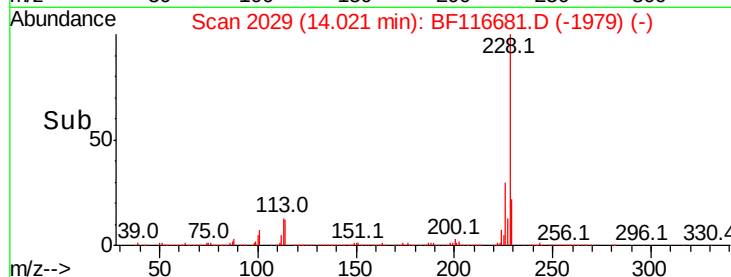
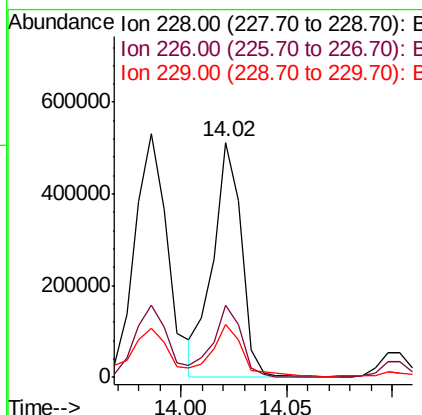
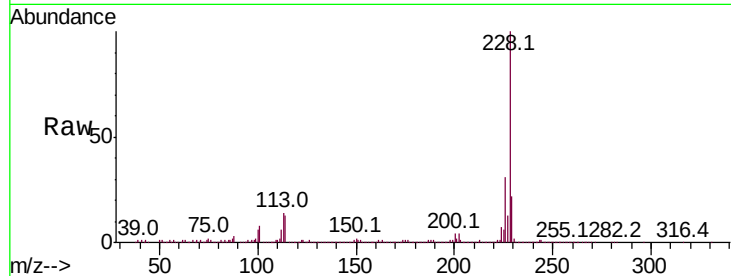
#83
Chrysene
Concen: 38.059 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Instrument :
BNA_F
ClientSampleId :
TP-2-S

Tot Ion	Ratio	Resp	Lower	Upper
228	100	476642		
226	30.6	24.0	36.0	
229	22.4	15.4	23.0	

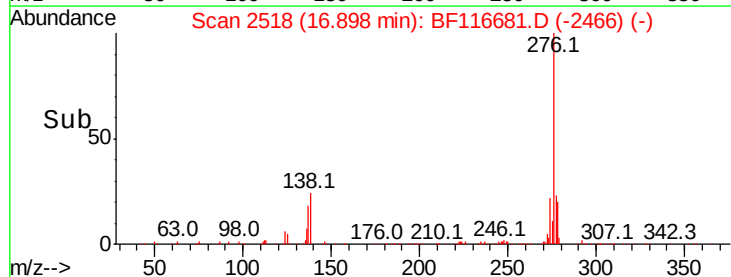
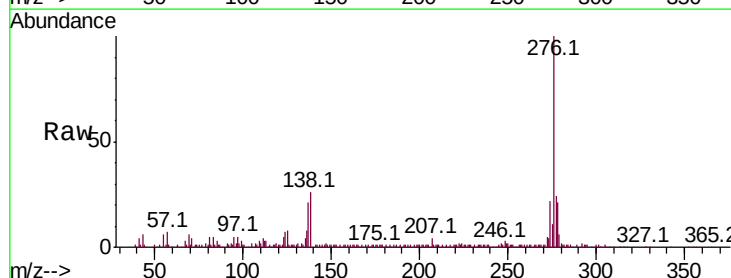
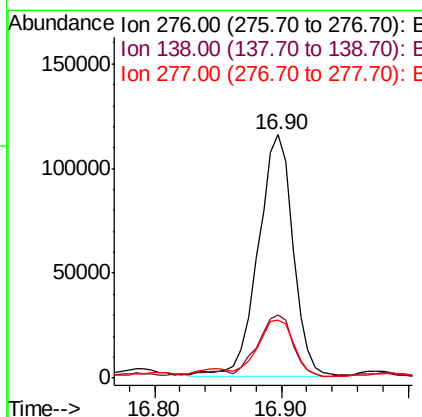
Manual Integrations
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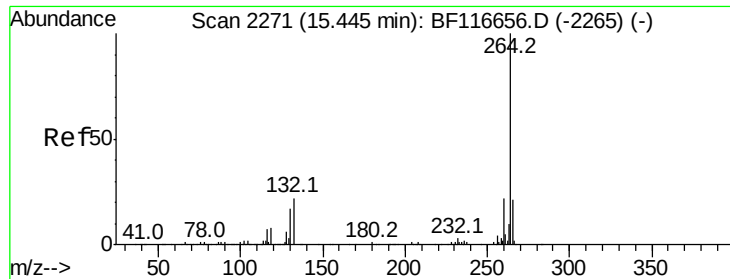
mohammad
8/31/2019 2:45:41 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 22.003 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	221333		
138	25.4	19.4	29.2	
277	23.7	20.5	30.7	





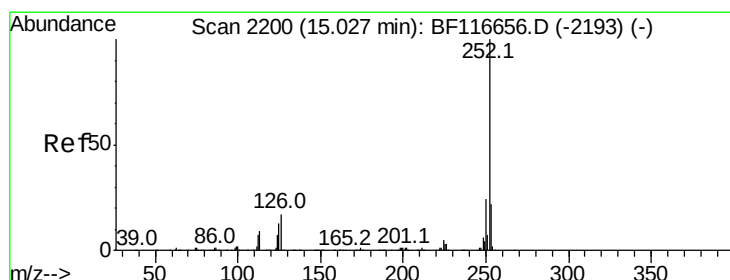
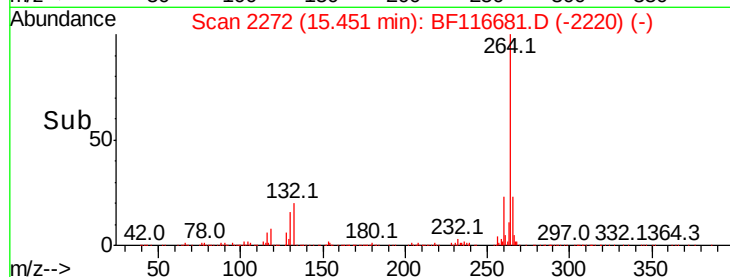
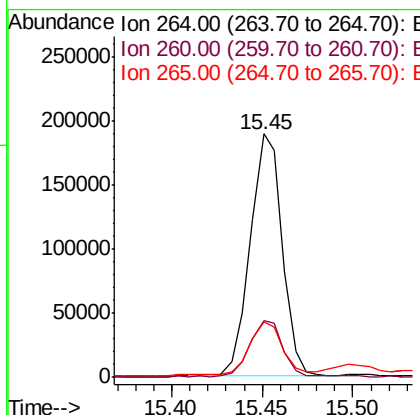
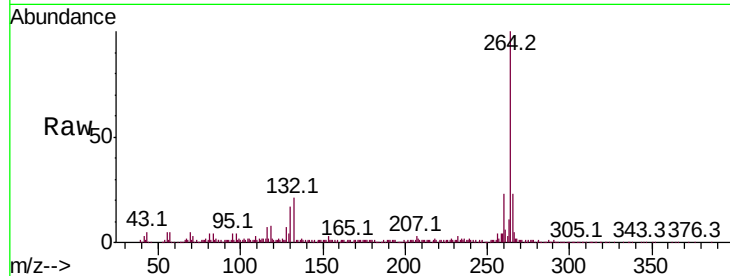
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Instrument :
BNA_F
ClientSampled :
TP-2-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.3	27.5
265	23.0	16.5	24.7

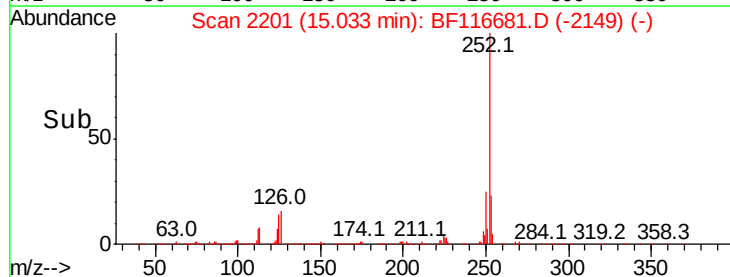
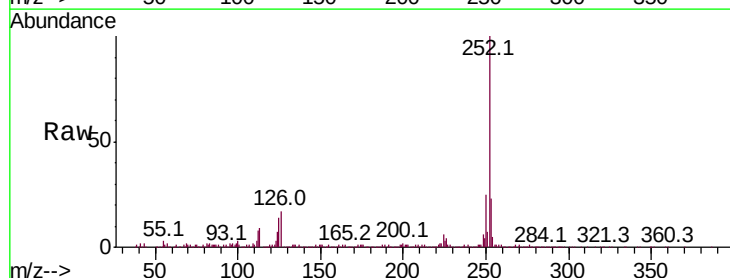
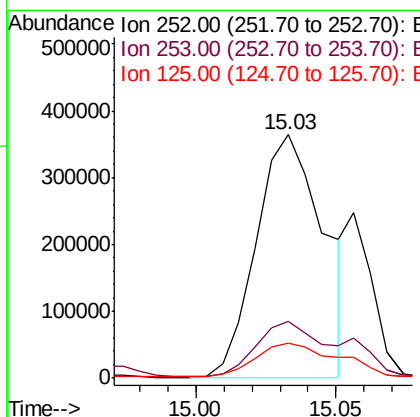
Manual Integrations
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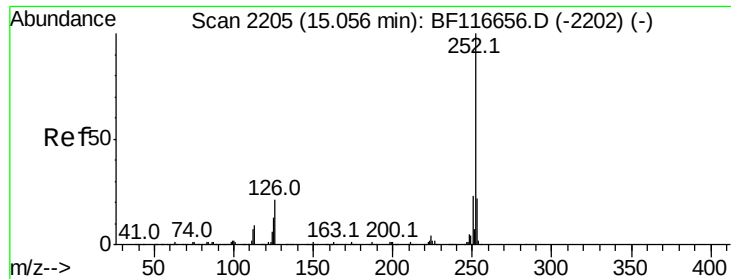
mohammad
8/31/2019 2:45:41 PM



#88
Benzo(b)fluoranthene
Concen: 43.593 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	14.1	8.2	12.2#





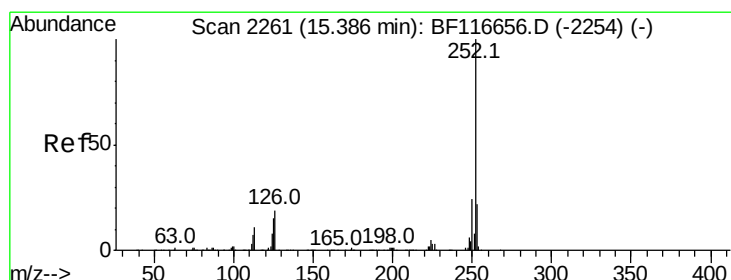
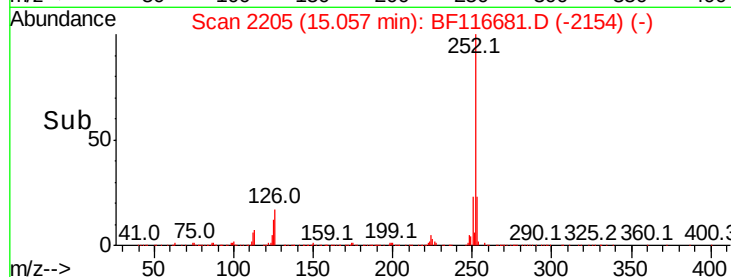
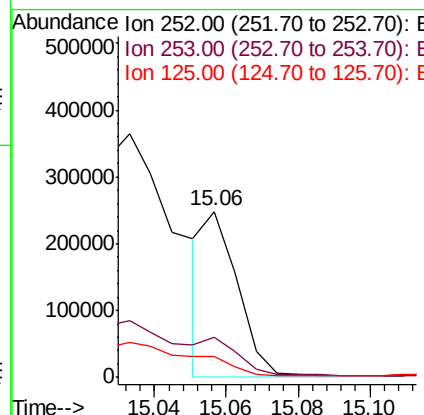
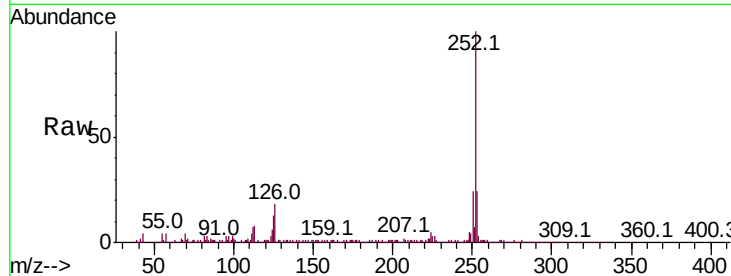
#89
Benzo(k)fluoranthene
Concen: 12.784 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Instrument :
BNA_F
ClientSampled :
TP-2-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	12.8	8.6	13.0

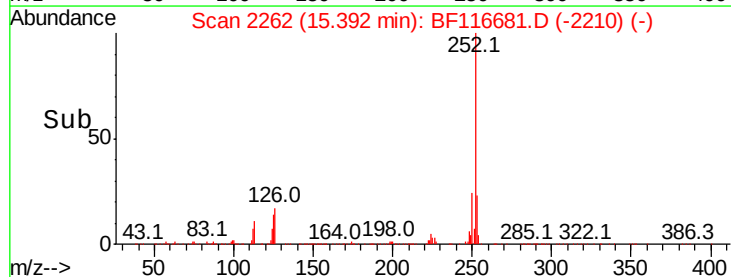
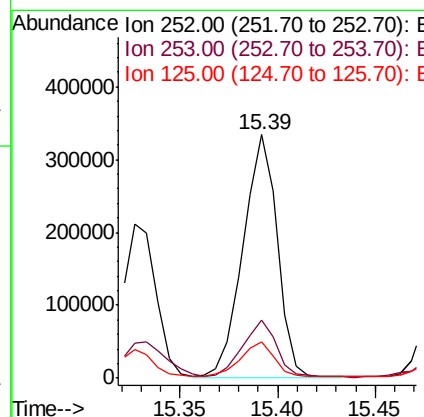
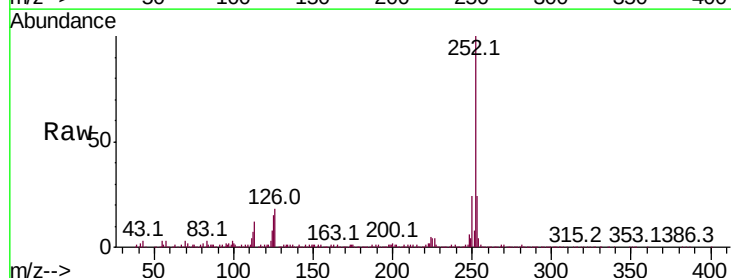
Manual Integrations
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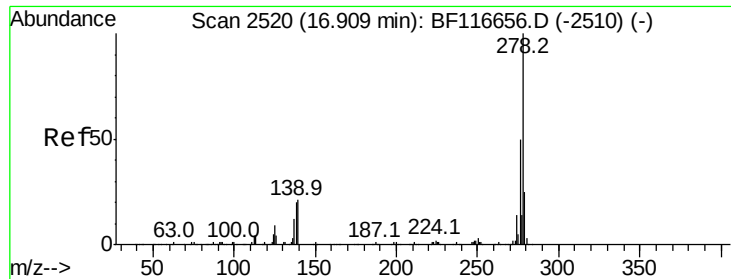
mohammad
8/31/2019 2:45:41 PM



#90
Benzo(a)pyrene
Concen: 33.202 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	14.7	9.8	14.8





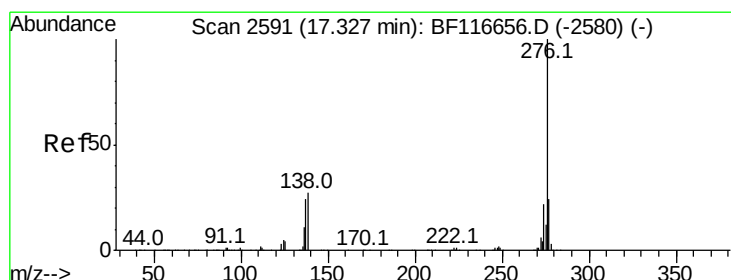
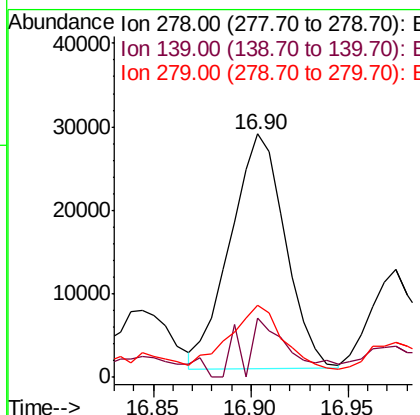
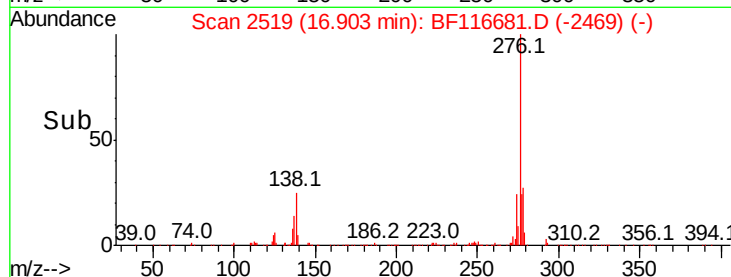
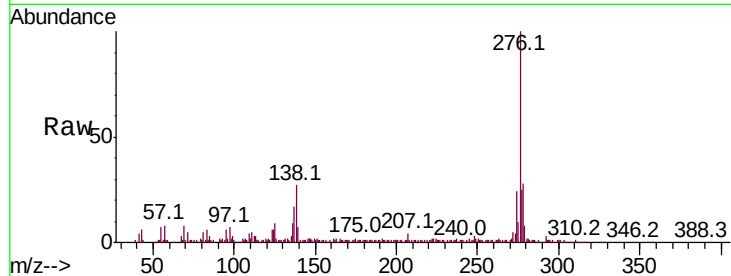
#91
Dibenzo(a,h)anthracene
Concen: 5.138 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Instrument :
BNA_F
ClientSampleId :
TP-2-S

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.6	12.4	18.6#
279	29.9	18.2	27.4#

Manual Integrations
APPROVED

mohammad
8/31/2019 2:45:41 PM



#92
Benzo(g,h,i)perylene
Concen: 16.594 ng
RT: 17.33 min Scan# 2592
Delta R.T. 0.01 min
Lab File: BF116681.D
Acq: 31 Aug 2019 5:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.5	27.7
138	24.4	16.2	24.2#

