

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
 Data File : BF116857.D
 Acq On : 6 Sep 2019 13:07
 Operator : HP/JU
 Sample : K4650-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Manual Integrations
 APPROVED

mohammad
 9/12/2019 9:11:30 AM

Quant Time: Sep 07 04:12:46 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	77880	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	313820	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	161994	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	260181	20.00	ng	0.00
76) Chrysene-d12	14.00	240	172190	20.00	ng	0.00
87) Perylene-d12	15.46	264	174908	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	572873	119.17	ng	0.01
7) Phenol-d6	6.48	99	780530	123.65	ng	0.00
23) Nitrobenzene-d5	7.40	82	486760	88.55	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	152346	140.67	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	663317	69.07	ng	-0.01
79) Terphenyl-d14	12.94	244	624960	67.14	ng	0.00
Target Compounds						
10) Phenol	6.49	94	20078	2.872	ng	95
50) Dimethylphthalate	9.59	163	104262	9.322	ng	99
71) Phenanthrene	11.39	178	60626	4.186	ng	98
75) Fluoranthene	12.57	202	136511	9.591	ng	98
78) Pyrene	12.80	202	119486	7.806	ng	99
81) Benzo(a)anthracene	13.99	228	50904	4.671	ng	98
83) Chrysene	14.02	228	50283m	4.479	ng	
86) Indeno(1,2,3-cd)pyrene	16.91	276	33096	3.670	ng	99
88) Benzo(b)fluoranthene	15.04	252	68899m	6.515	ng	
89) Benzo(k)fluoranthene	15.06	252	26312m	2.729	ng	
90) Benzo(a)pyrene	15.40	252	43240	4.700	ng	98
92) Benzo(a,h,i)perylene	17.35	276	32302	3.933	ng	97

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

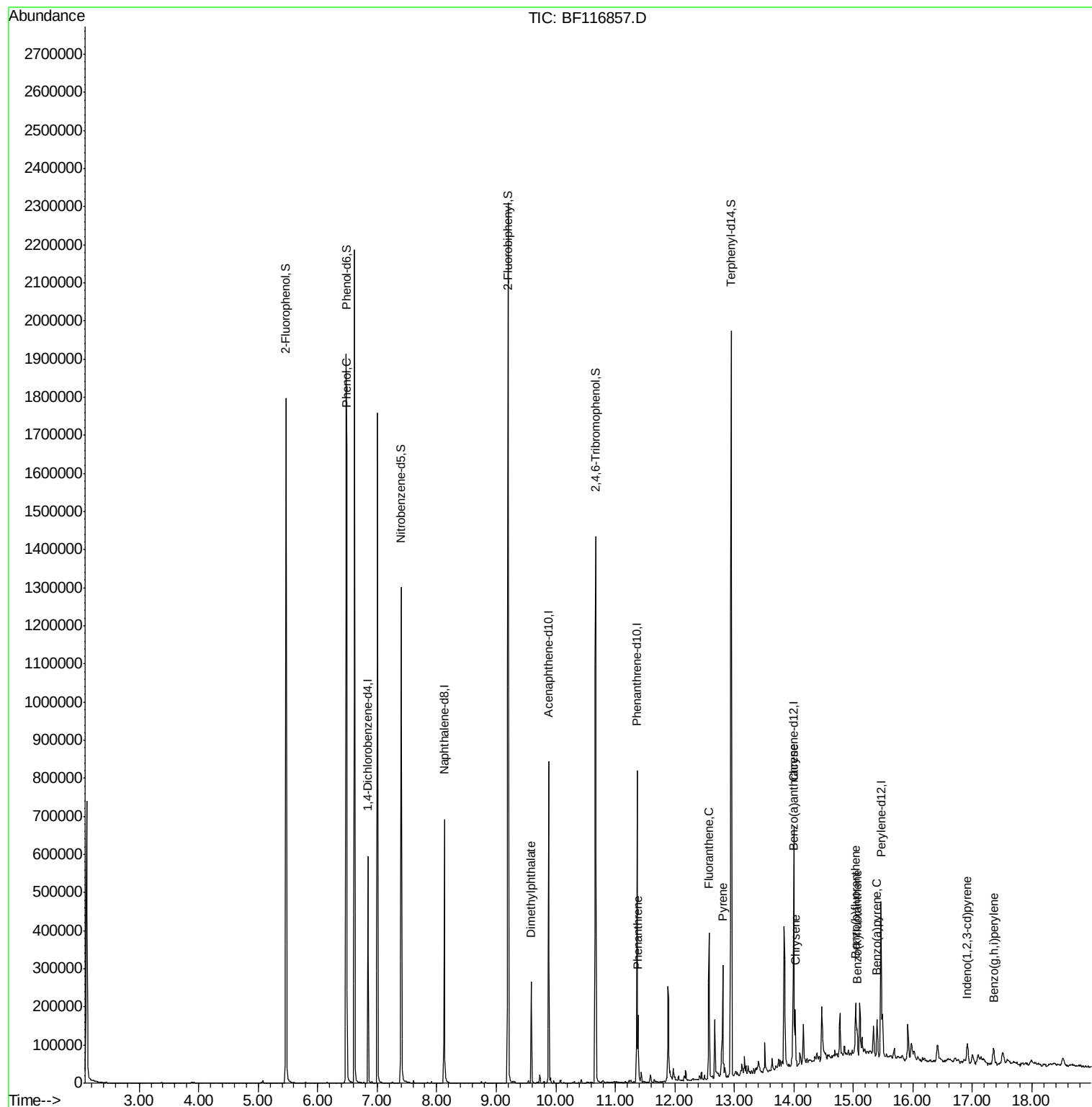
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116857.D
Acq On : 6 Sep 2019 13:07
Operator : HP/JU
Sample : K4650-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

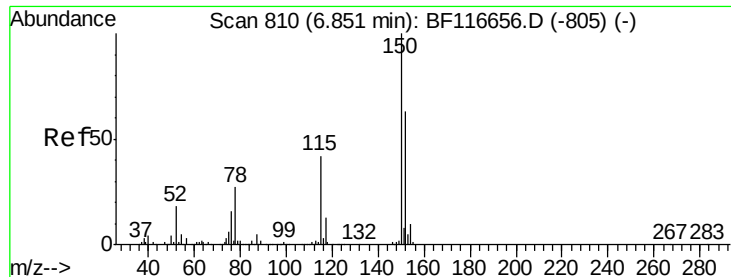
Instrument :
BNA_F
ClientSampleId :
TP-4

Manual Integrations
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mohammad
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

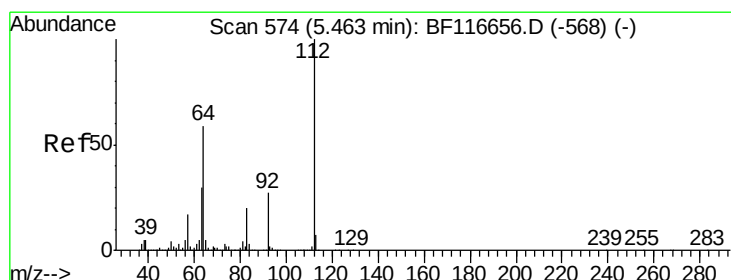
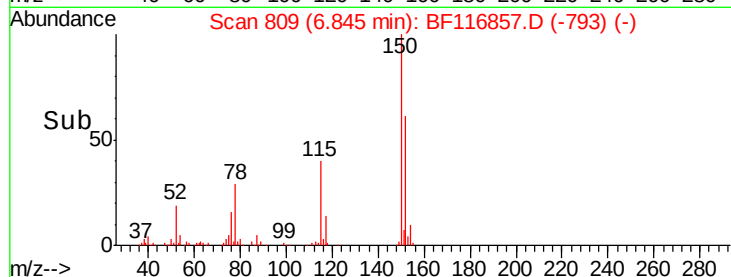
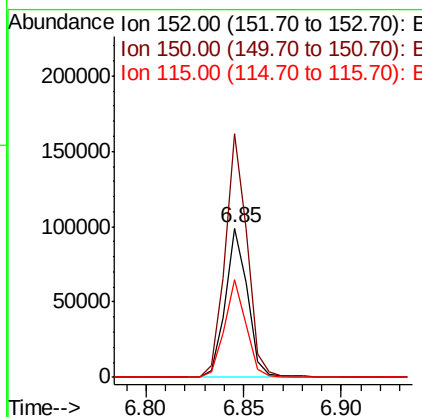
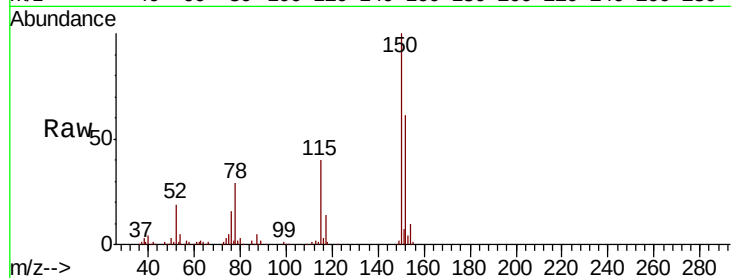
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.9	124.4	186.6
115	65.1	49.9	74.9

Manual Integrations
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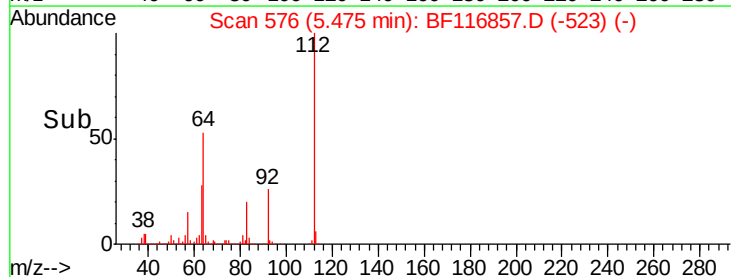
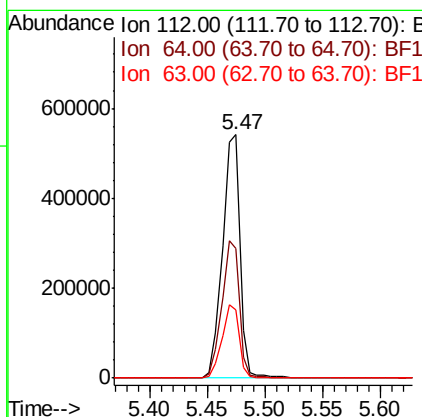
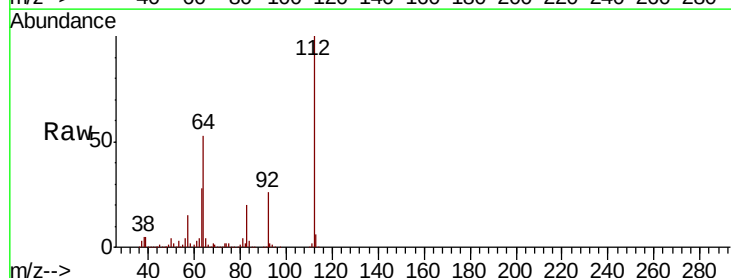
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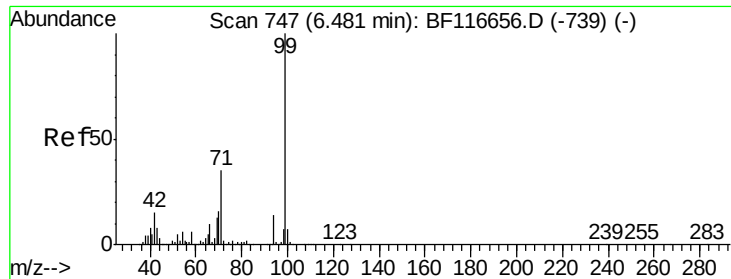


#5

2-Fluorophenol
Concen: 119.169 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	47.1	70.7
63	28.1	24.9	37.3





#7

Phenol-d6

Concen: 123.650 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116857.D

Acq: 6 Sep 2019 13:07

Instrument :

BNA_F

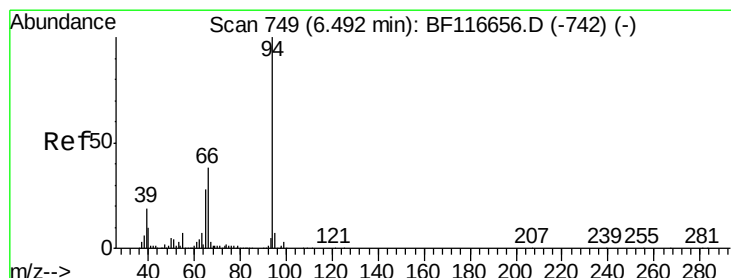
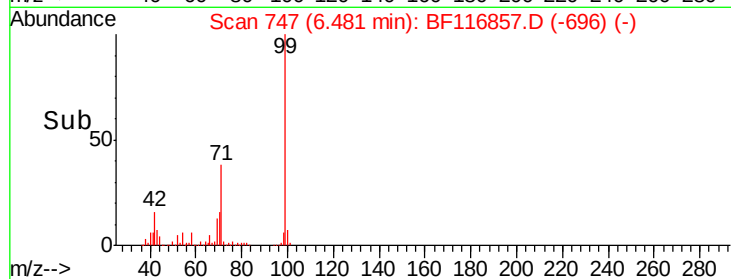
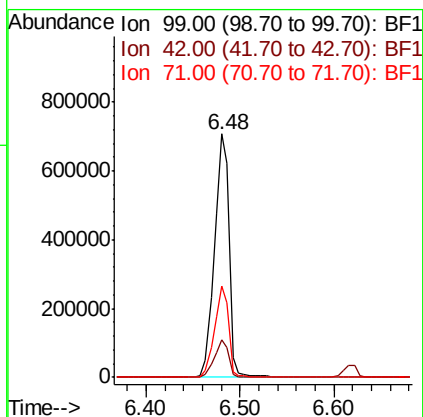
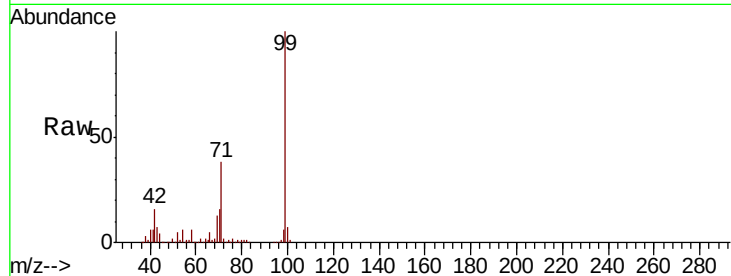
ClientSampleId :

TP-4

Tot Ion:	99	Resp:	780530
Ion Ratio	Lower	Upper	
99	100		
42	15.6	13.7	20.5
71	37.6	30.8	46.2

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#10

Phenol

Concen: 2.872 ng

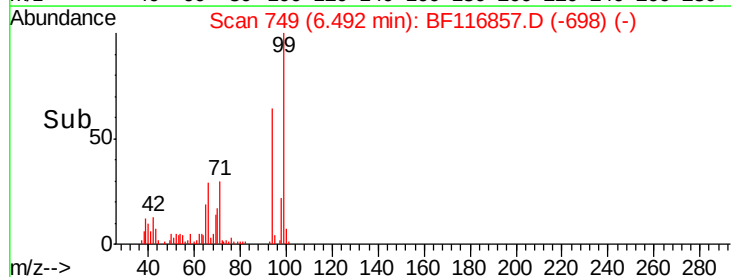
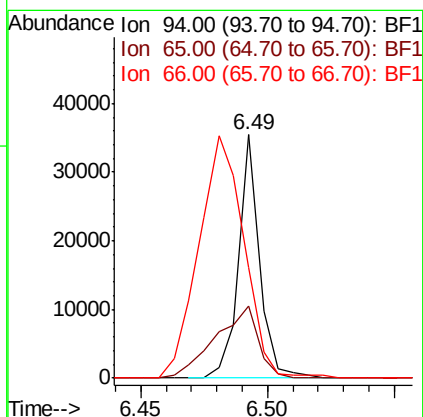
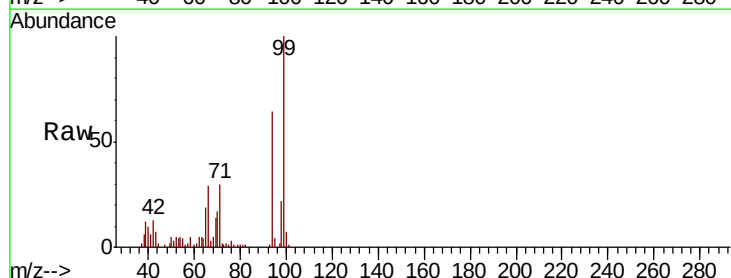
RT: 6.49 min Scan# 749

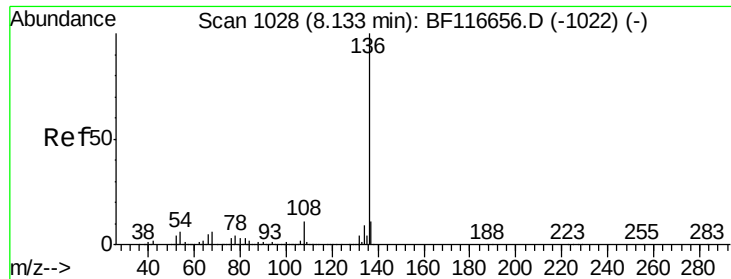
Delta R.T. 0.00 min

Lab File: BF116857.D

Acq: 6 Sep 2019 13:07

Tgt Ion:	94	Resp:	20078
Ion Ratio	Lower	Upper	
94	100		
65	29.7	10.8	50.8
66	45.5	21.1	61.1





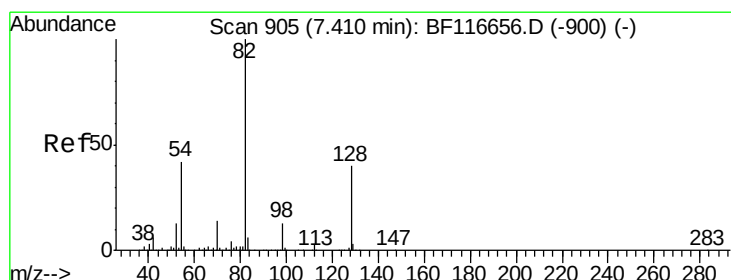
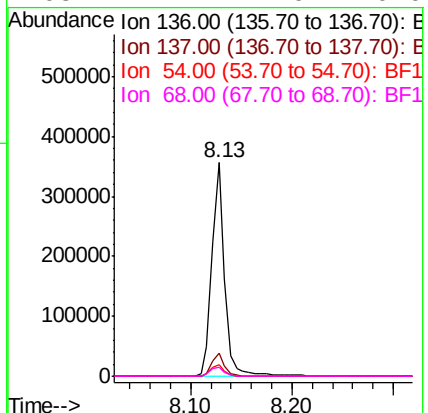
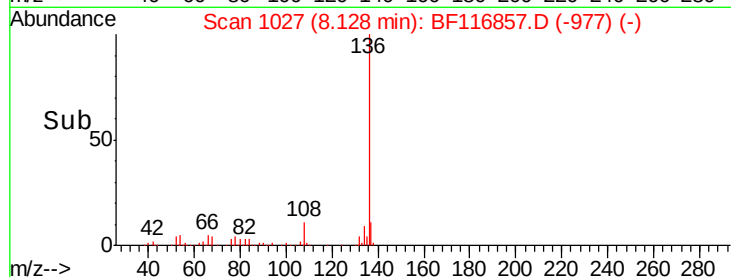
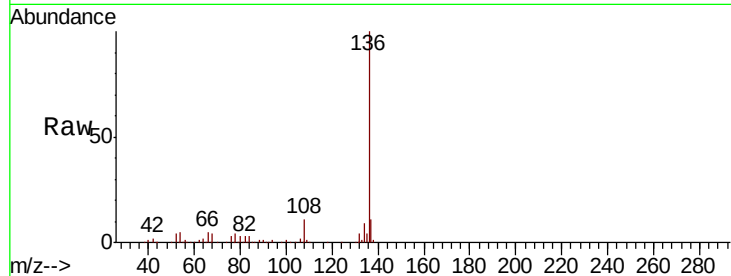
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	5.5	4.8	7.2	
68	4.4	4.0	6.0	

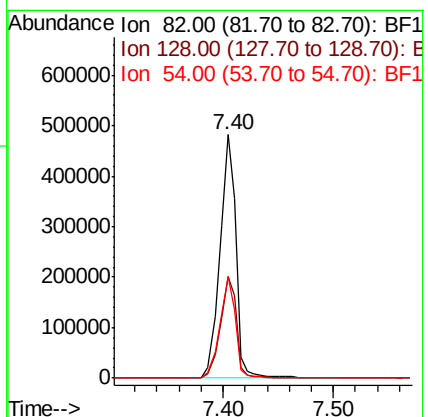
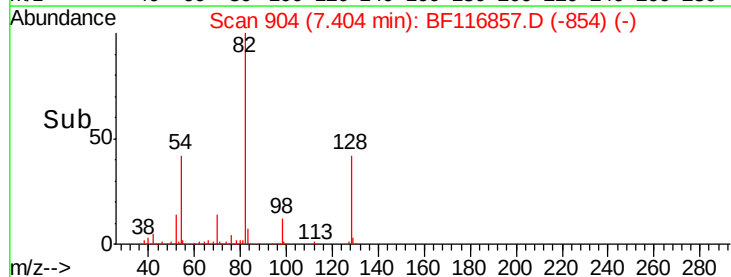
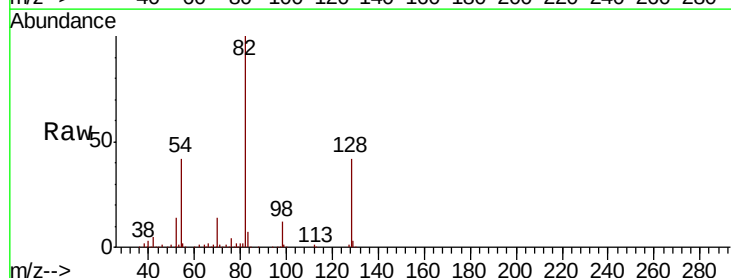
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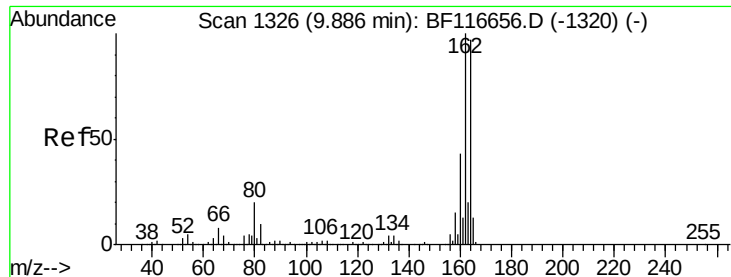
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#23
Nitrobenzene-d5
Concen: 88.547 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.9	32.8	49.2	
54	41.8	36.9	55.3	





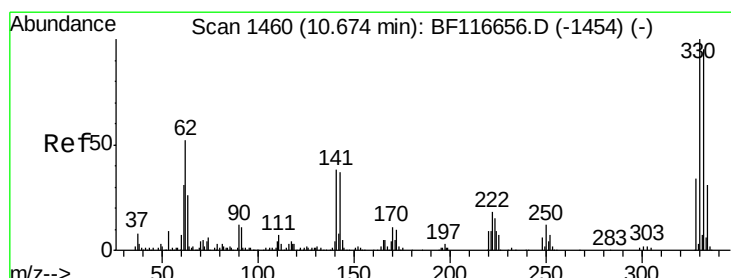
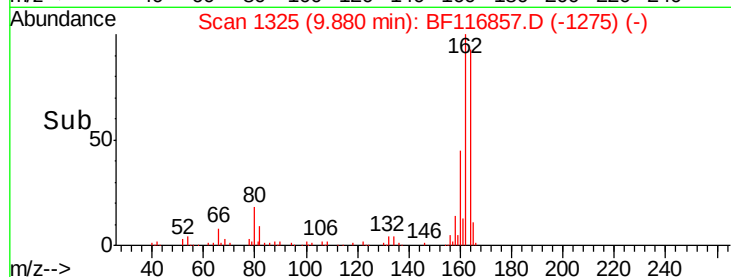
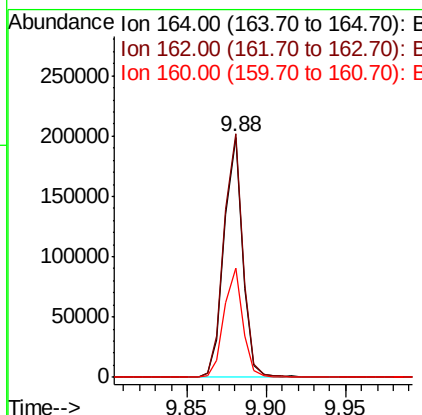
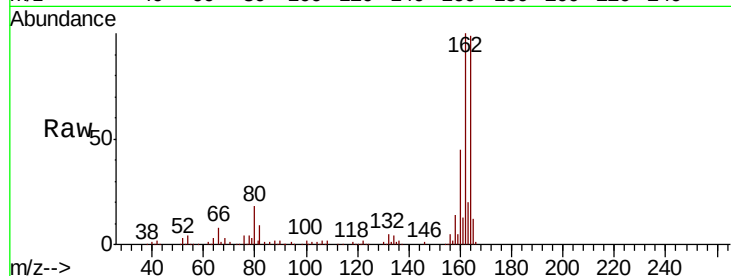
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Resp	Lower	Upper
164	100	161994		
162	101.4	81.4	122.0	
160	45.4	35.4	53.2	

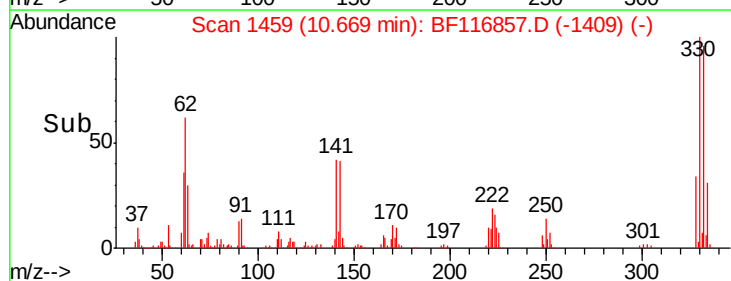
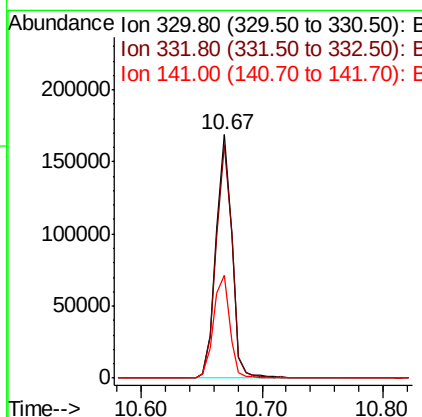
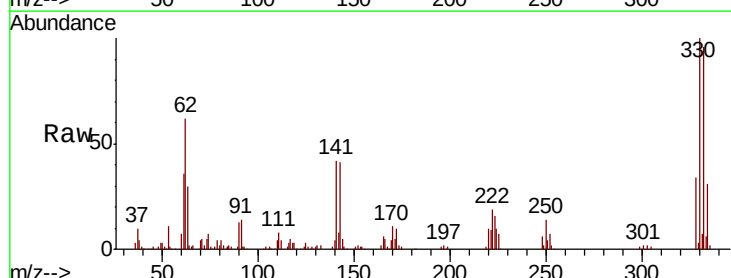
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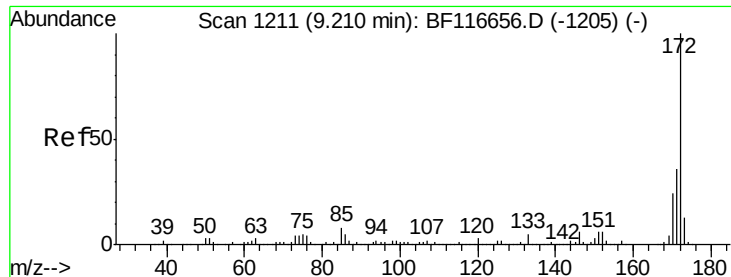
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#42
2,4,6-Tribromophenol
Concen: 140.675 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	152346		
332	96.8	76.9	115.3	
141	43.5	31.4	47.2	





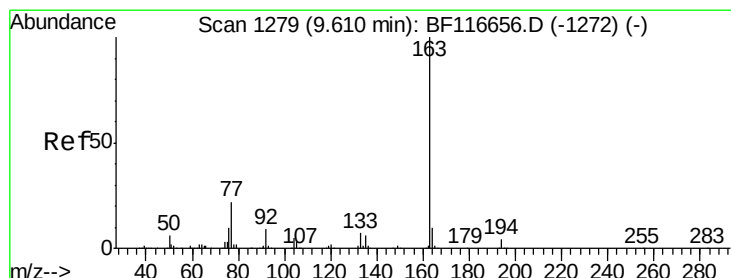
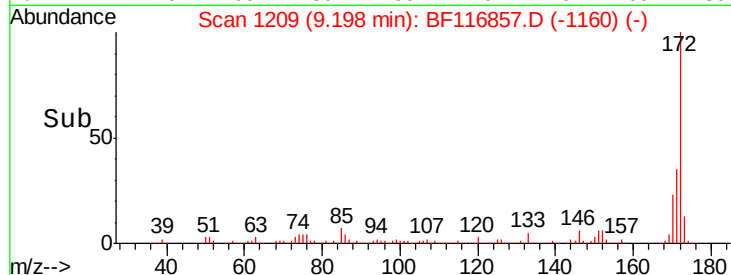
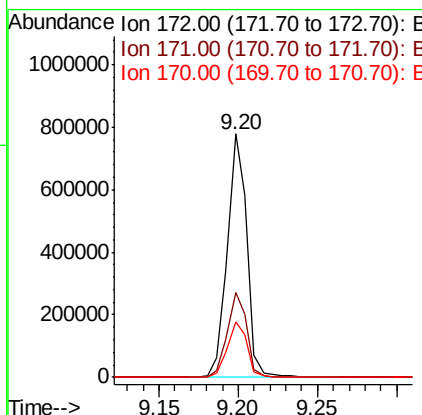
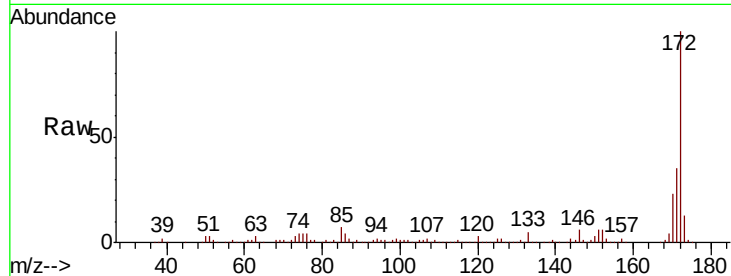
#45
2-Fluorobiphenyl
Concen: 69.073 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Resp	Lower	Upper
172	100	663317		
171	35.0		27.8	41.6
170	23.0		18.9	28.3

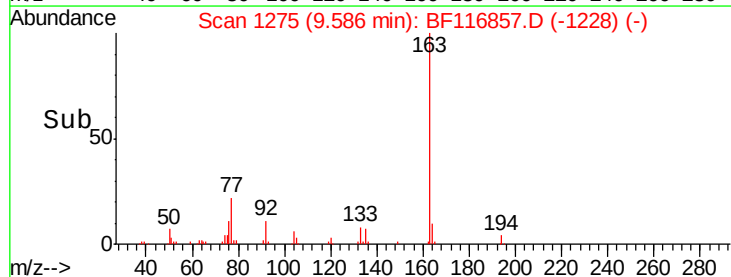
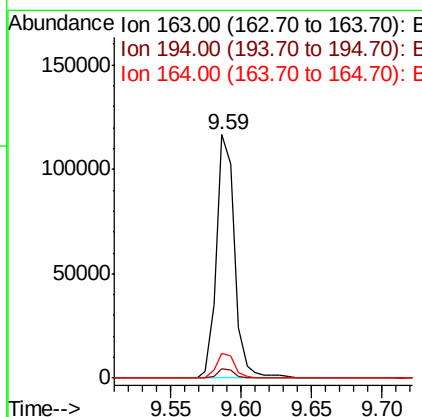
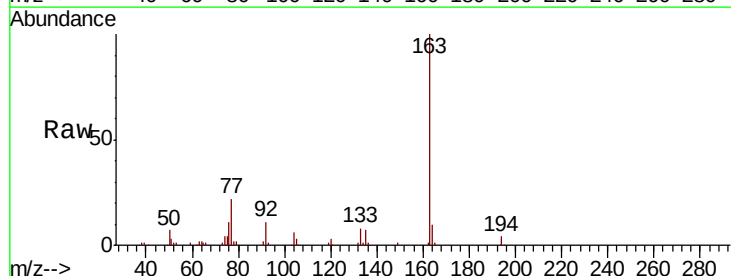
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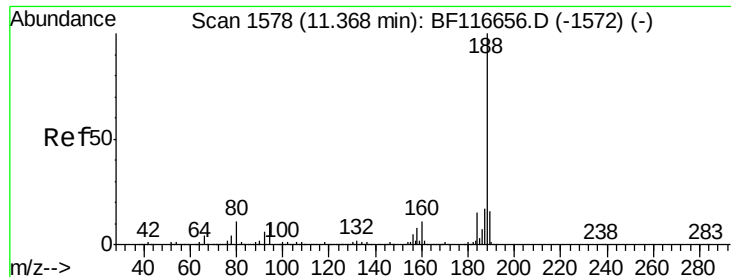
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#50
Dimethylphthalate
Concen: 9.322 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	104262		
194	3.6		2.8	4.2
164	10.3		8.6	12.8





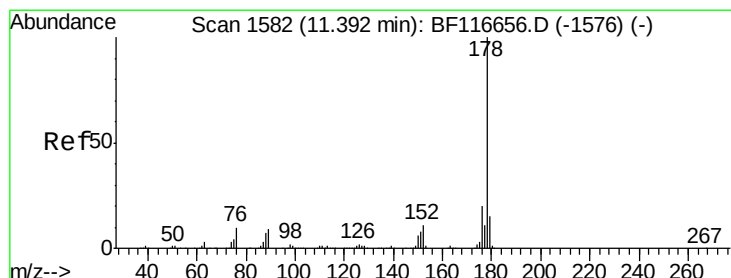
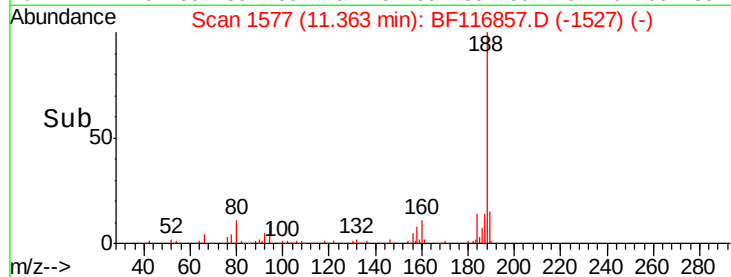
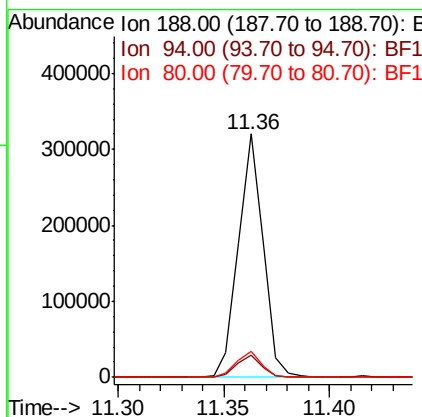
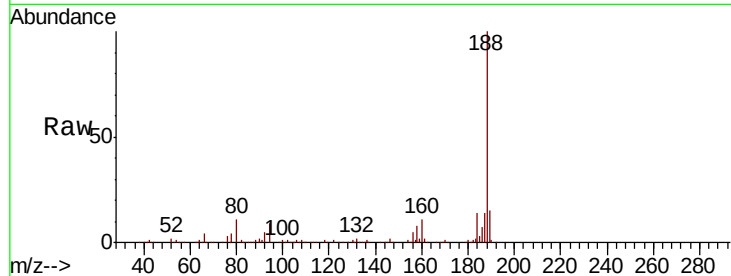
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Resp	Lower	Upper
188	100	260181		
94	9.3		7.3	10.9
80	10.5		8.4	12.6

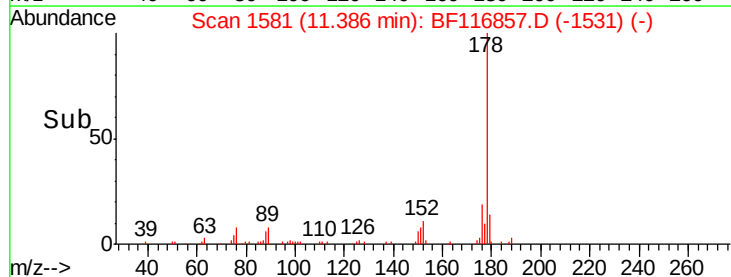
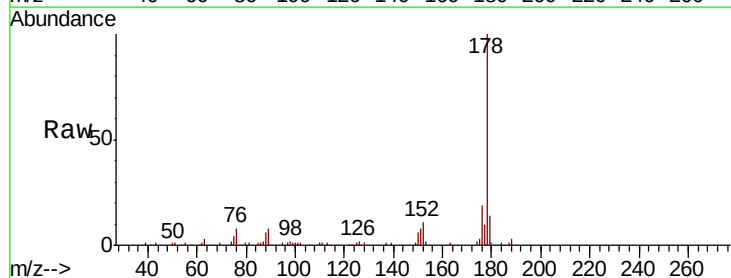
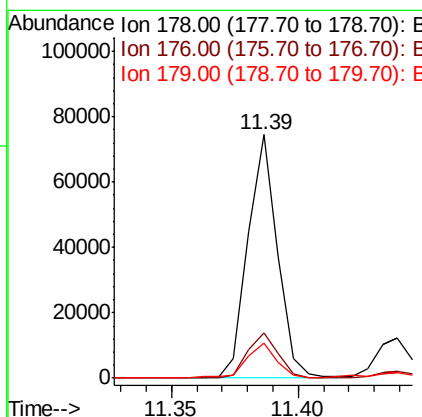
Manual Integrations
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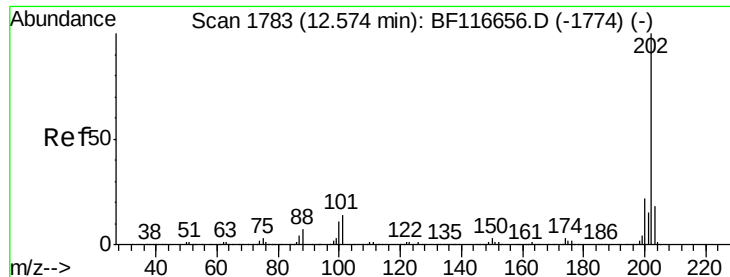
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#71
Phenanthrene
Concen: 4.186 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	60626		
176	18.7		15.4	23.0
179	14.2		12.2	18.2





#75

Fluoranthene

Concen: 9.591 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116857.D

Acq: 6 Sep 2019 13:07

Instrument :

BNA_F

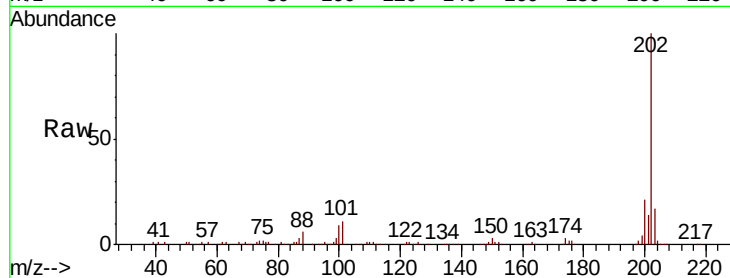
ClientSampleId :

TP-4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		136511		
101	10.7	0.0	31.3		
203	16.6	0.0	37.6		

Manual Integrations
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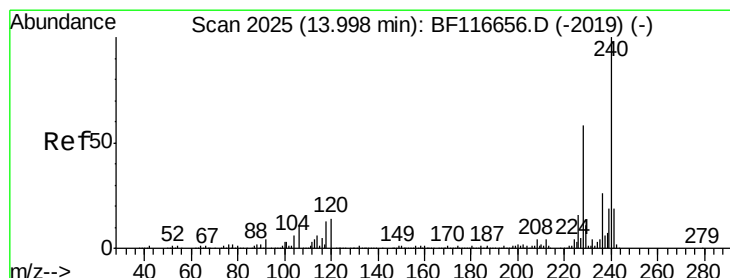
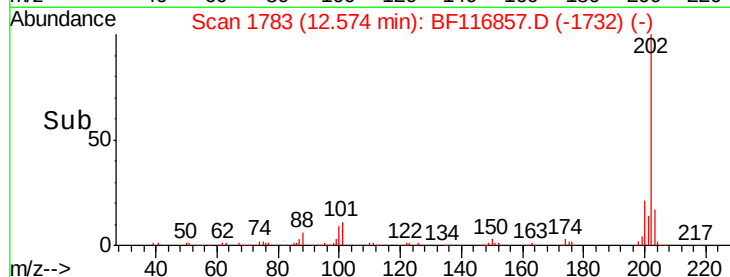
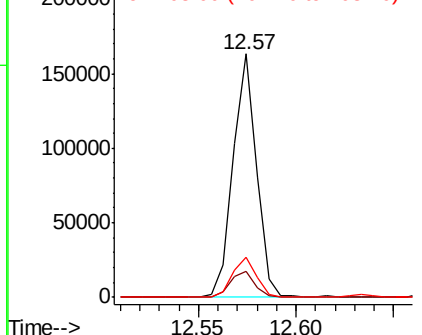


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

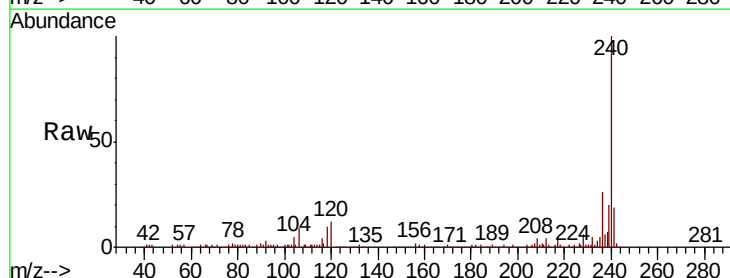
RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF116857.D

Acq: 6 Sep 2019 13:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		172190		
120	11.5	9.1	13.7		
236	26.5	21.1	31.7		

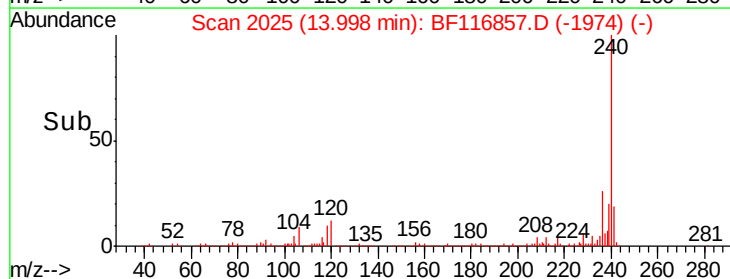
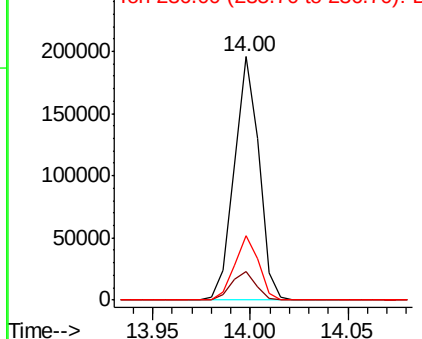


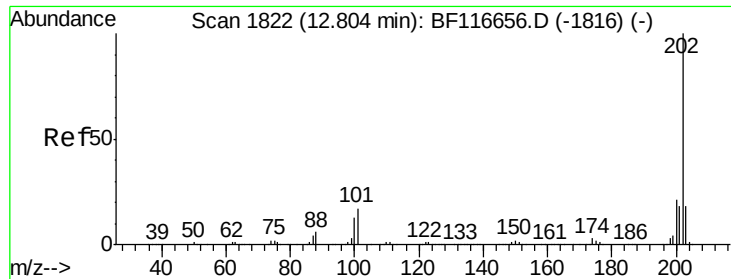
Abundance

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





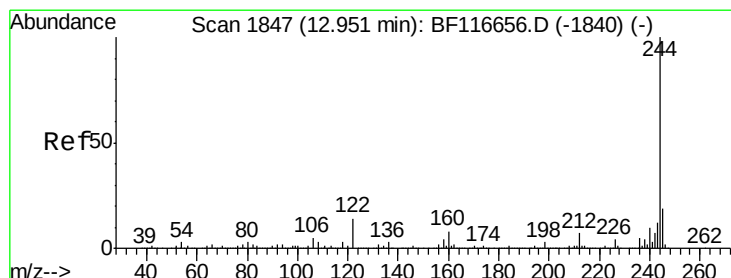
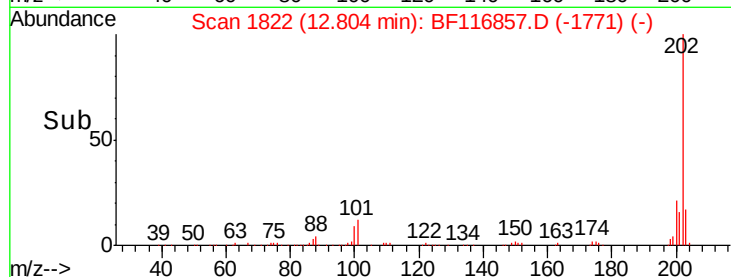
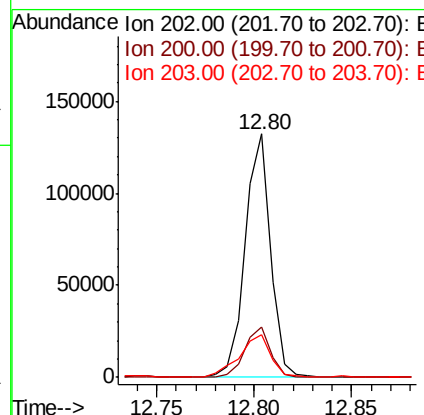
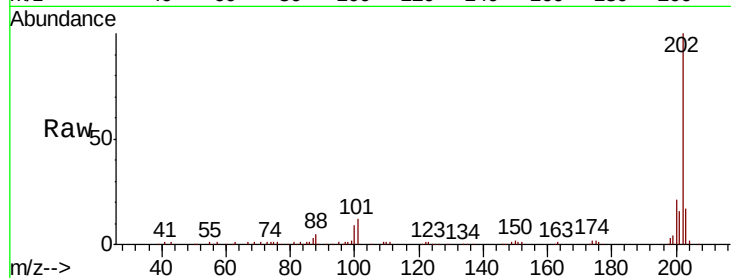
#78
Pvrene
Concen: 7.806 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.4	13.7	20.5

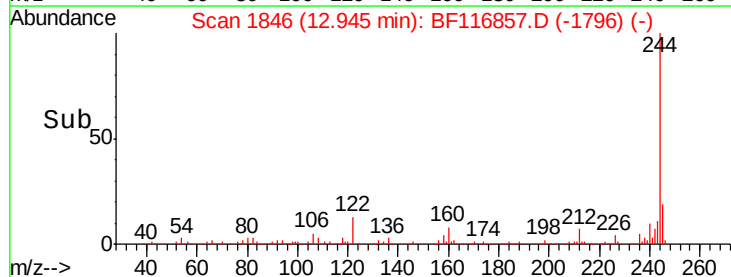
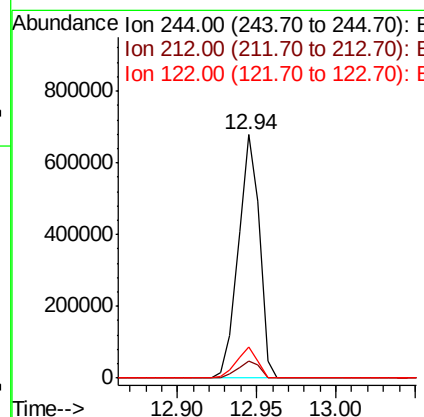
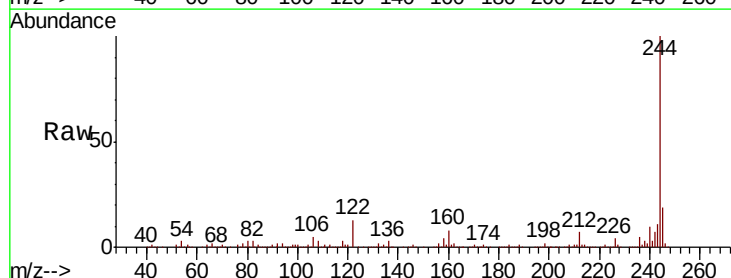
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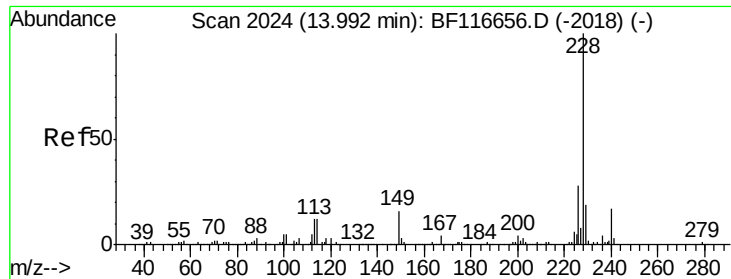
mohammad
9/12/2019 9:11:30 AM



#79
Terphenyl-d14
Concen: 67.143 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.1	9.1
122	12.9	10.2	15.4





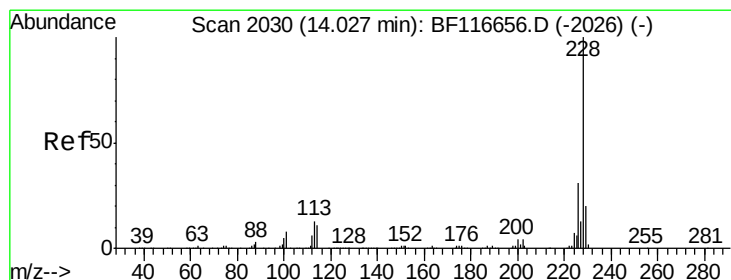
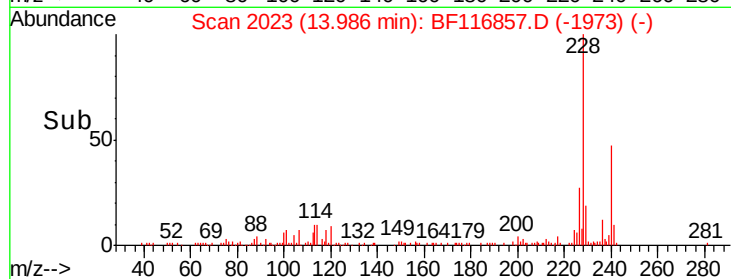
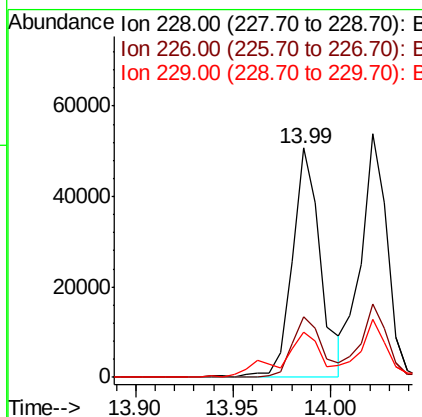
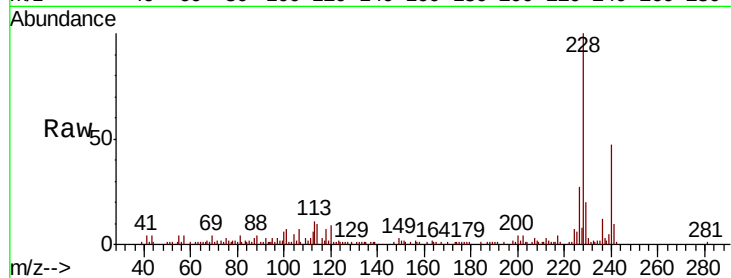
#81
Benzo(a)anthracene
Concen: 4.671 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.0	33.0
229	19.8	16.4	24.6

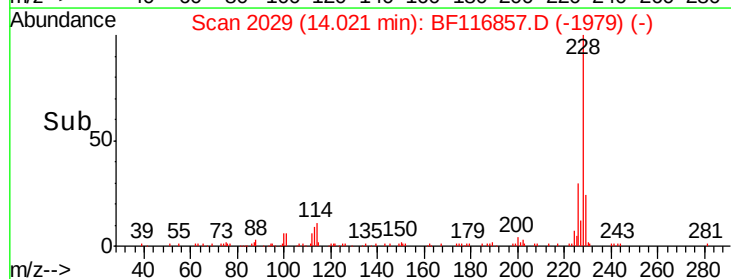
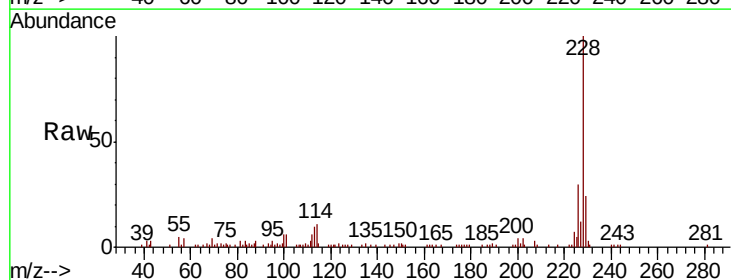
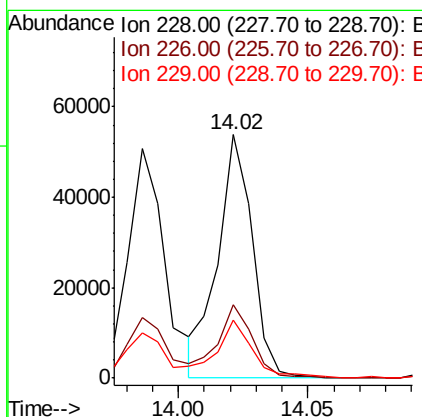
Manual Integrations
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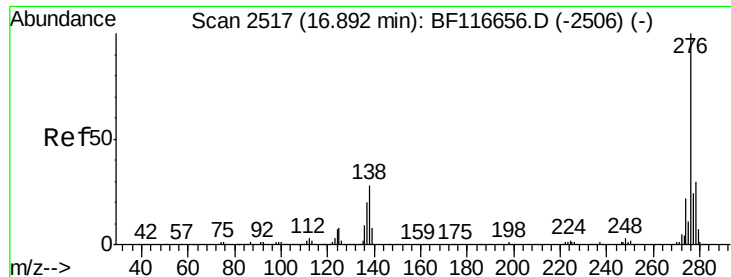
mohammad
9/12/2019 9:11:30 AM



#83
Chrysene
Concen: 4.479 ng m
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	23.9	15.4	23.0





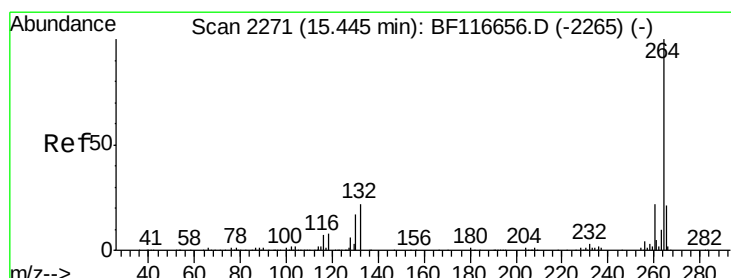
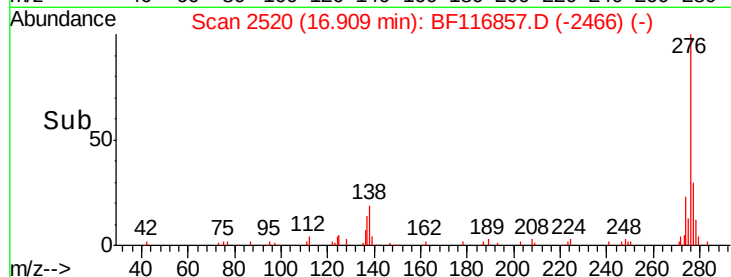
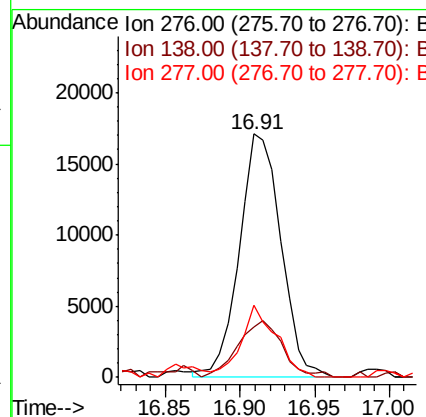
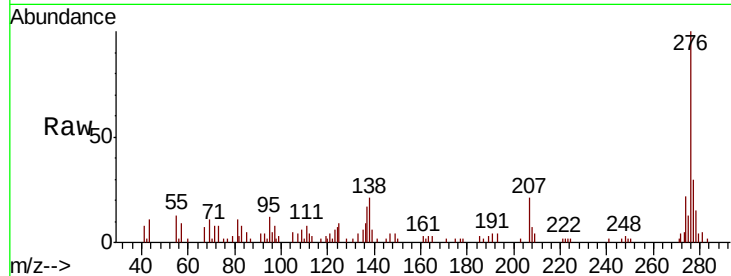
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.670 ng
RT: 16.91 min Scan# 2520
Delta R.T. 0.02 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	19.4	29.2
277	25.3	20.5	30.7

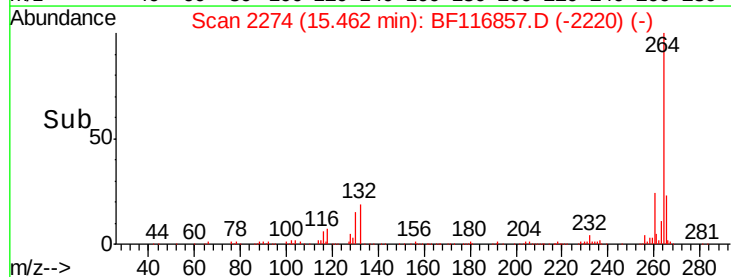
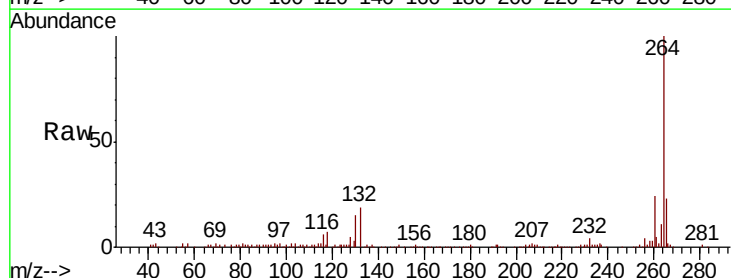
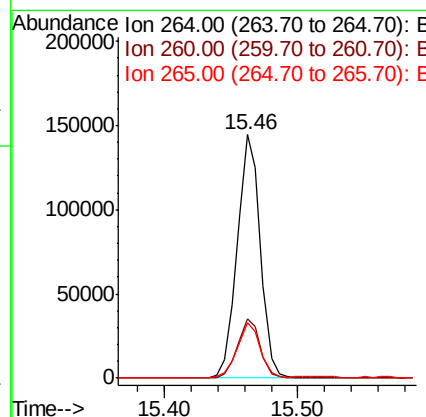
Manual Integrations
APPROVED

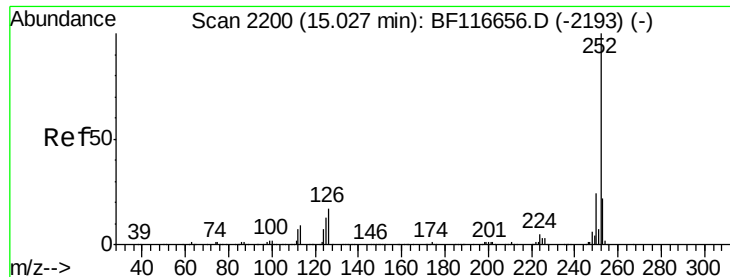
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.3	27.5
265	22.7	16.5	24.7





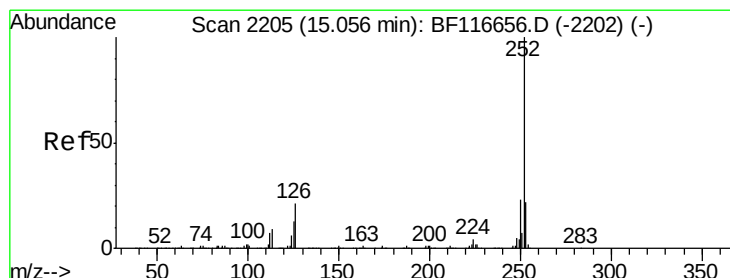
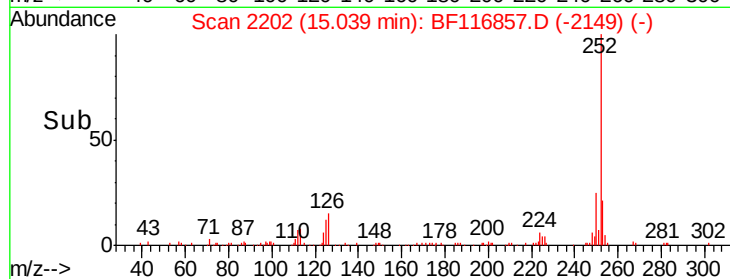
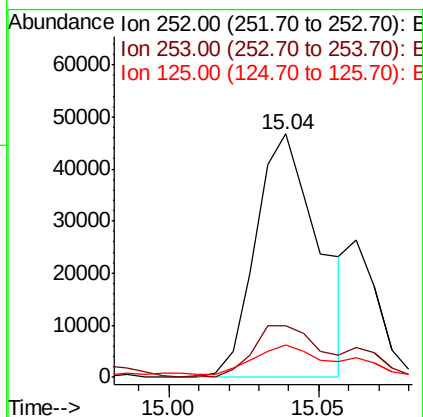
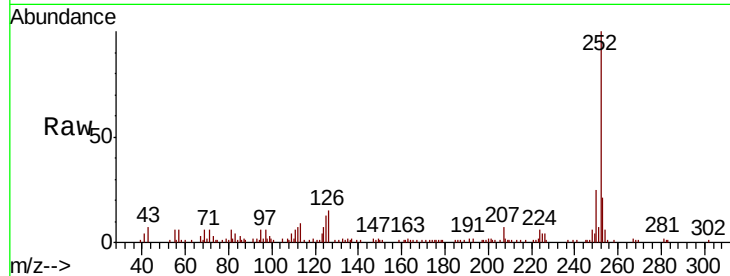
#88
Benzo(b)fluoranthene
Concen: 6.515 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	13.4	8.2	12.2

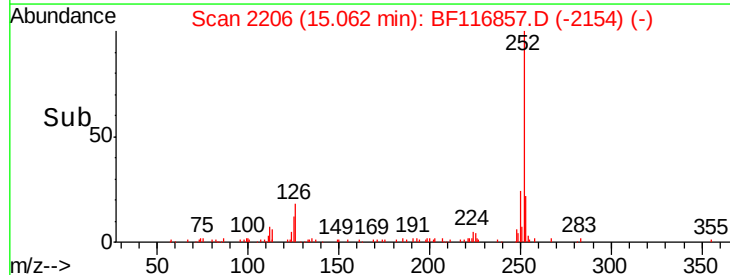
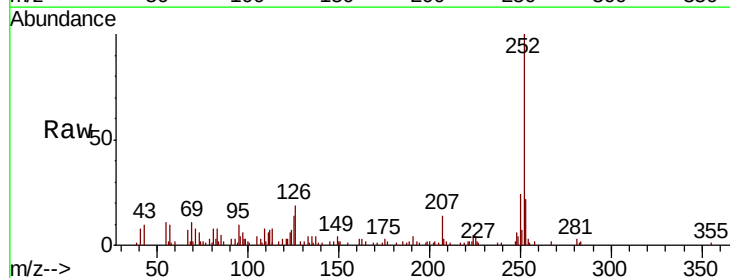
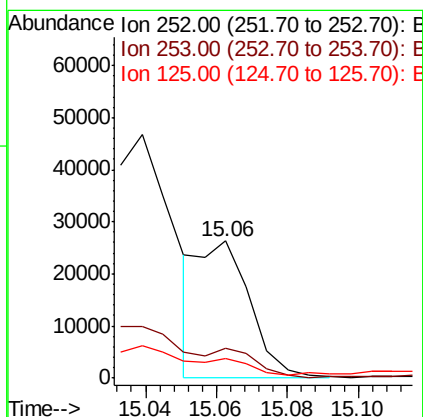
Manual Integrations
APPROVED

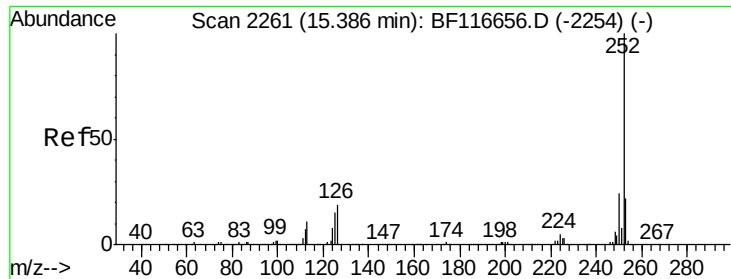
mohammad
9/12/2019 9:11:30 AM



#89
Benzo(k)fluoranthene
Concen: 2.729 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	14.0	8.6	13.0





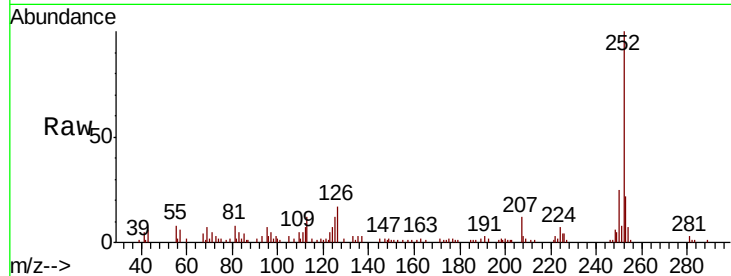
#90
Benzo(a)pyrene
Concen: 4.700 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	11.7	9.8	14.8

Manual Integrations
APPROVED

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9/12/2019 9:11:30 AM

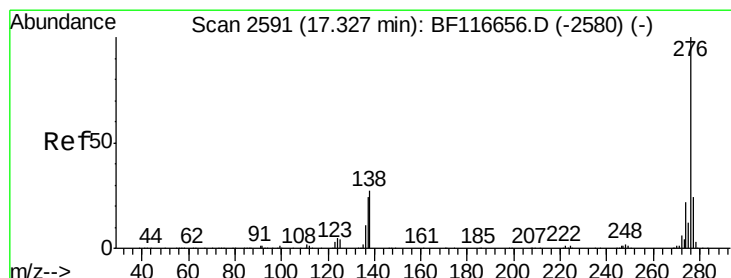
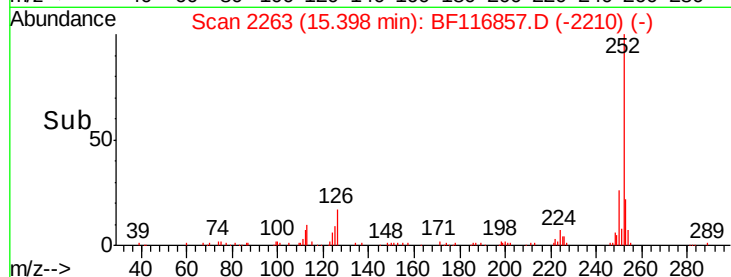
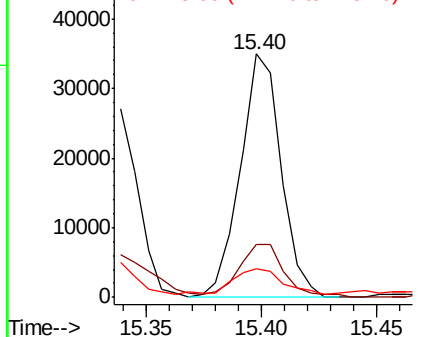


Abundance

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



#92
Benzo(g,h,i)perylene
Concen: 3.933 ng
RT: 17.35 min Scan# 2595
Delta R.T. 0.02 min
Lab File: BF116857.D
Acq: 6 Sep 2019 13:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.5	27.7
138	22.0	16.2	24.2

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

