

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116780.D
 Acq On : 3 Sep 2019 18:45
 Operator : HP/JU
 Sample : K4581-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T12-D1-D4-(0-3.5)

Manual Integrations
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mohammad
 9/6/2019 8:18:13 AM

Quant Time: Sep 04 11:23:48 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	116870	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	471770	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	241730	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	387807	20.00	ng	0.00
76) Chrysene-d12	14.00	240	251791	20.00	ng	0.00
87) Perylene-d12	15.46	264	297917	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	599164	83.06	ng	0.00
7) Phenol-d6	6.47	99	808483	85.35	ng	0.00
23) Nitrobenzene-d5	7.40	82	486453	58.86	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	169657	104.98	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	859858	60.00	ng	0.00
79) Terphenyl-d14	12.95	244	746415	54.84	ng	0.00
Target Compounds						
10) Phenol	6.49	94	49662	4.735	ng	86
50) Dimethylphthalate	9.59	163	108166	6.481	ng	98
71) Phenanthrene	11.39	178	107746	4.991	ng	98
75) Fluoranthene	12.57	202	213460	10.062	ng	91
78) Pyrene	12.80	202	178157	7.960	ng	# 94
81) Benzo(a)anthracene	13.99	228	79689m	5.001	ng	
83) Chrysene	14.03	228	109445	6.666	ng	# 95
84) Bis(2-ethylhexyl)phthalate	13.98	149	62413	4.645	ng	99
86) Indeno(1,2,3-cd)pyrene	16.89	276	68773	5.215	ng	95
88) Benzo(b)fluoranthene	15.03	252	166609m	9.250	ng	
89) Benzo(k)fluoranthene	15.06	252	46368m	2.823	ng	
90) Benzo(a)pyrene	15.39	252	90632	5.784	ng	# 94
92) Benzo(a,h,i)perylene	17.33	276	65514	4.683	ng	# 88

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

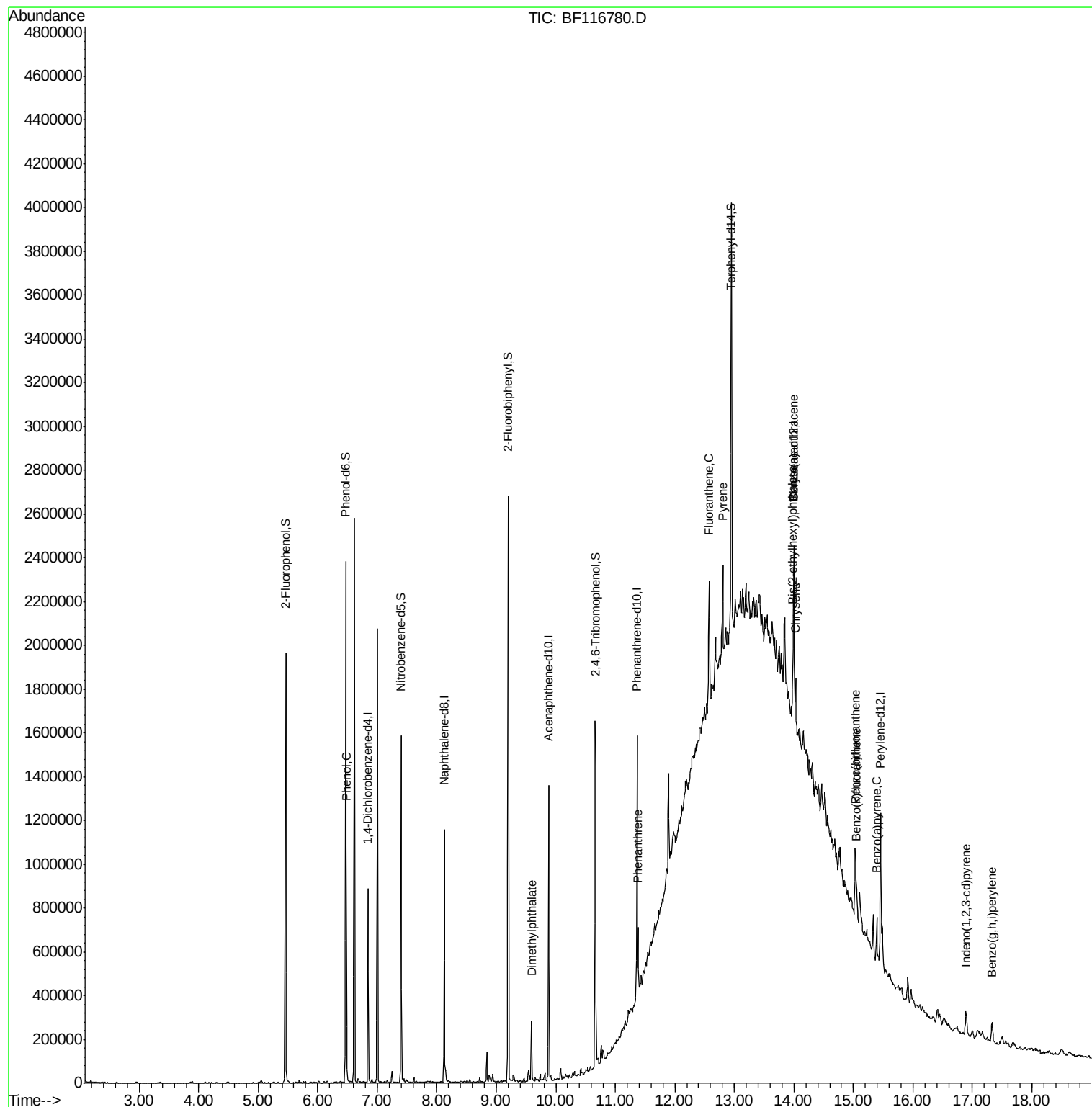
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
Data File : BF116780.D
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ALS Vial : 18 Sample Multiplier: 1

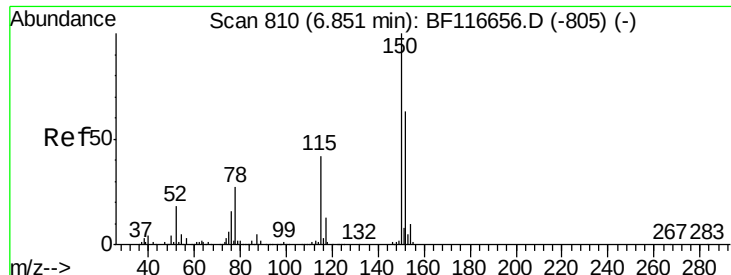
Instrument :
BNA_F
ClientSampleId :
T12-D1-D4-(0-3.5)

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Quant Time: Sep 04 11:23:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
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#1

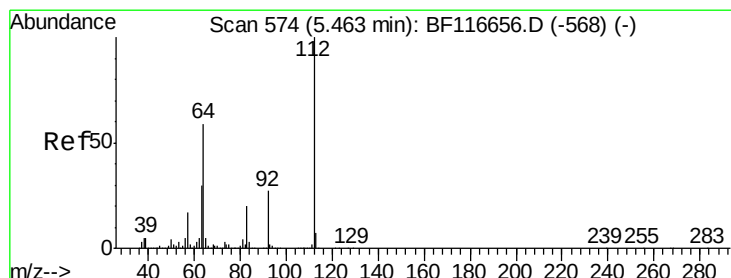
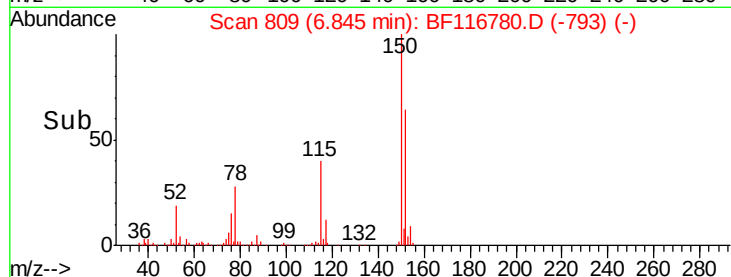
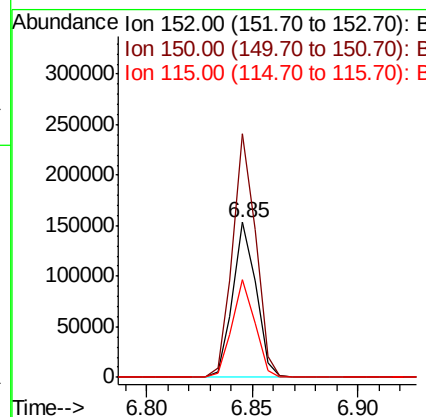
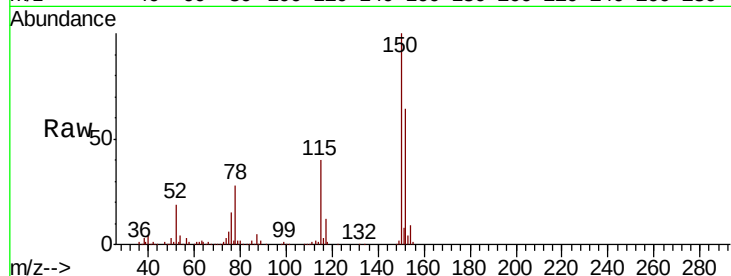
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Instrument :
BNA_F
ClientSampleId :
T12-D1-D4-(0-3.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.4	186.6
115	62.7	49.9	74.9

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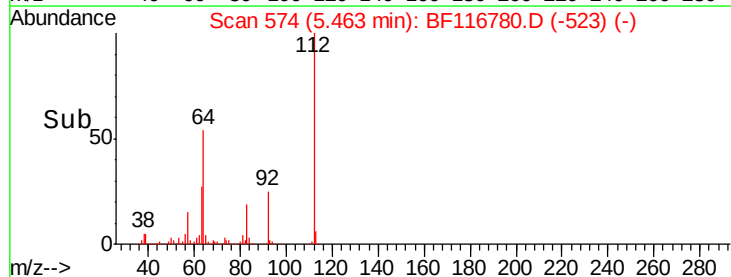
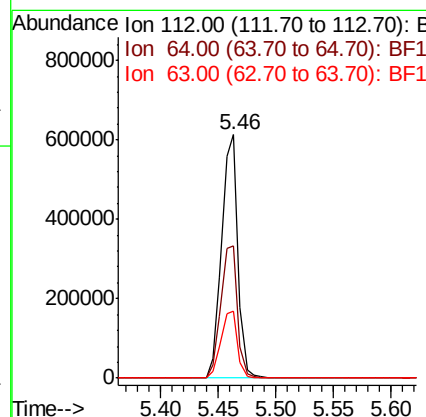
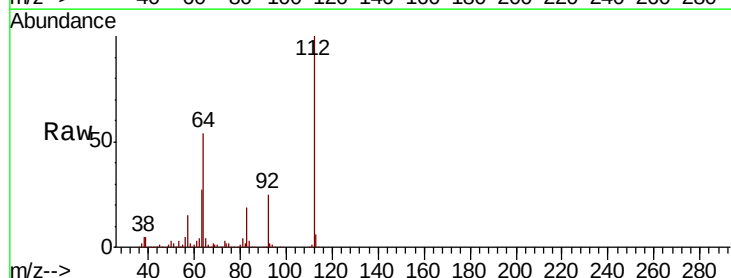
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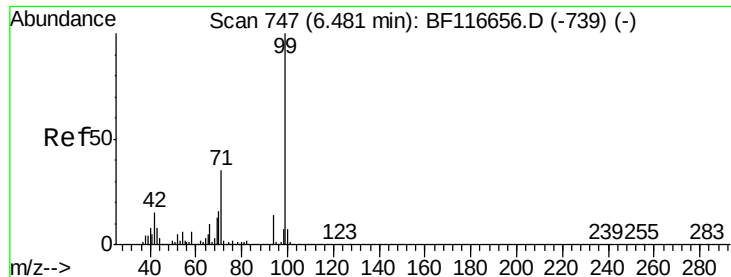


#5

2-Fluorophenol
Concen: 83.056 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	47.1	70.7
63	27.3	24.9	37.3





#7

Phenol-d6

Concen: 85.349 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

Instrument :

BNA_F

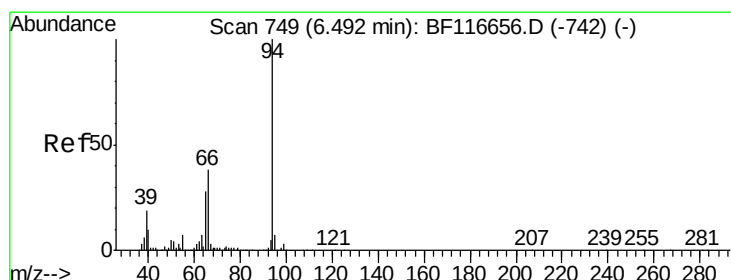
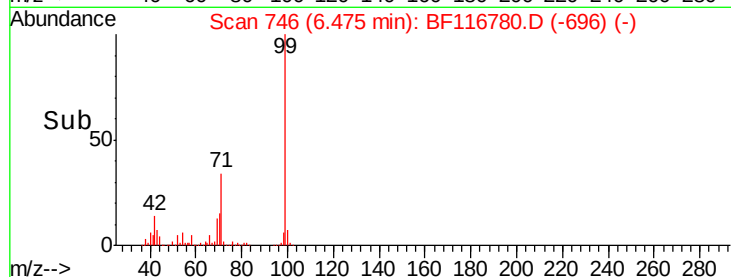
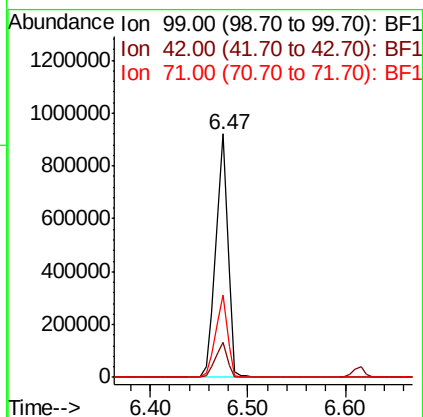
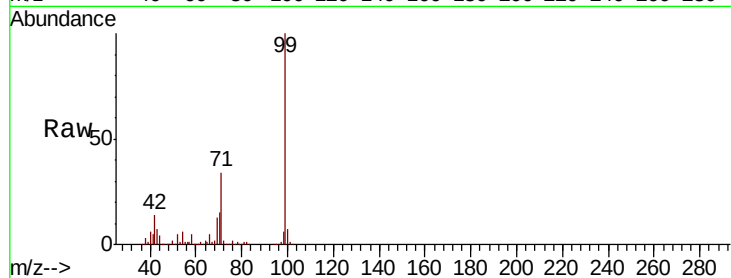
ClientSampleId :

T12-D1-D4-(0-3.5)

Tot Ion:	99	Resp:	808483
Ion Ratio	Lower	Upper	
99	100		
42	14.4	13.7	20.5
71	33.7	30.8	46.2

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#10

Phenol

Concen: 4.735 ng

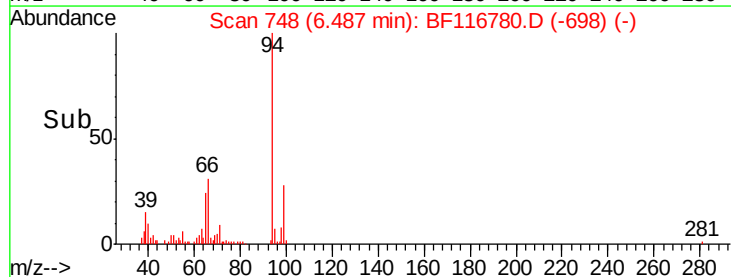
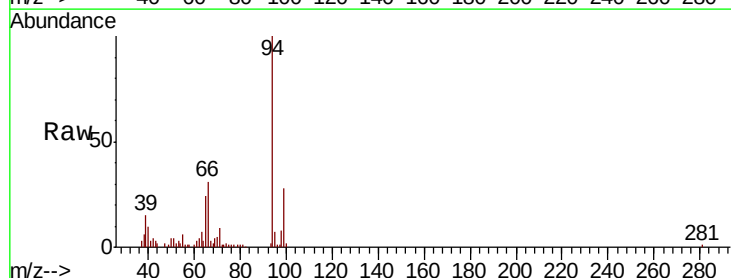
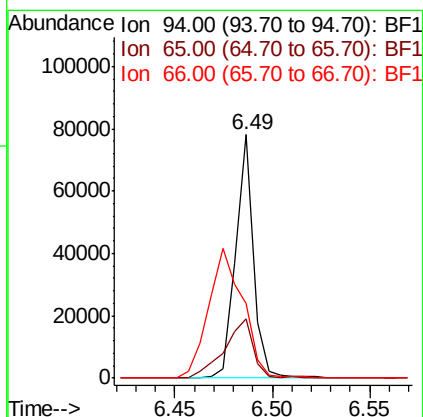
RT: 6.49 min Scan# 748

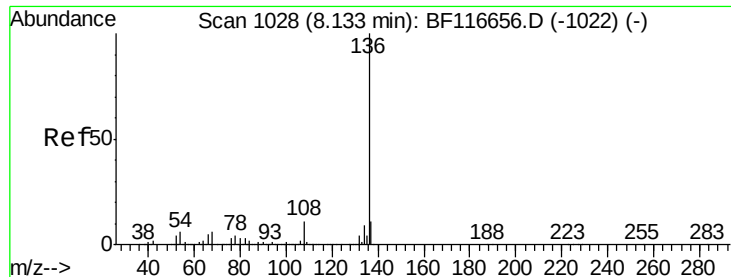
Delta R.T. -0.01 min

Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

Tgt Ion:	94	Resp:	49662
Ion Ratio	Lower	Upper	
94	100		
65	24.4	10.8	50.8
66	30.8	21.1	61.1





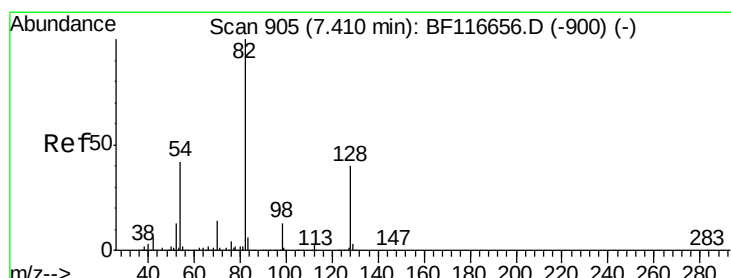
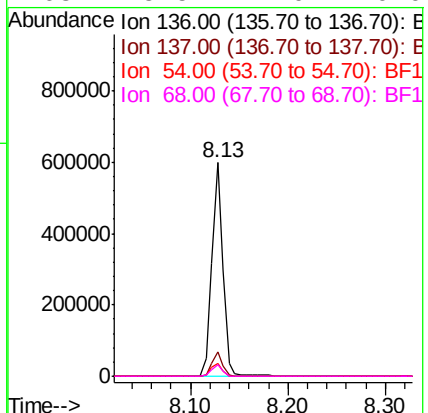
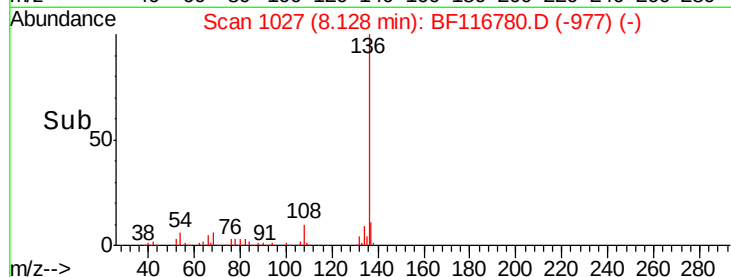
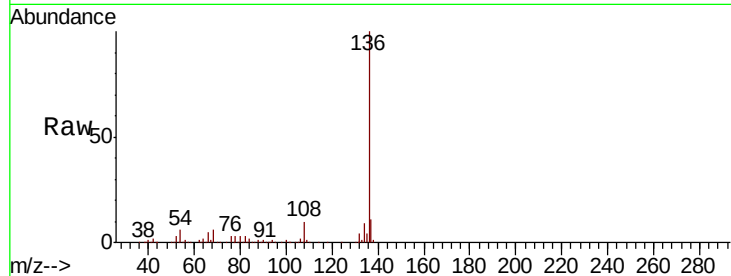
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Instrument :
BNA_F
ClientSampleId :
T12-D1-D4-(0-3.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		471770		
137	11.2	8.9	13.3		
54	5.9	4.8	7.2		
68	5.5	4.0	6.0		

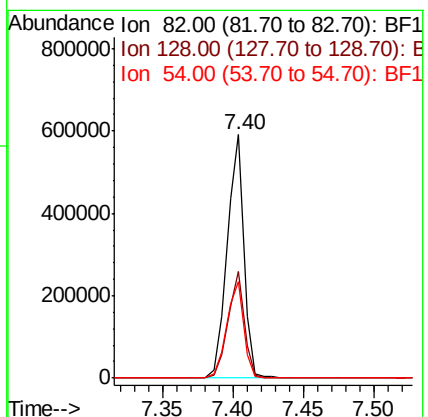
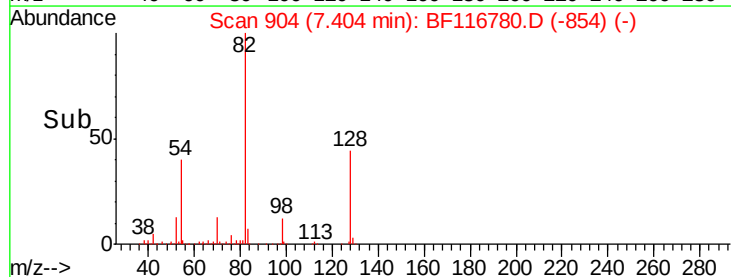
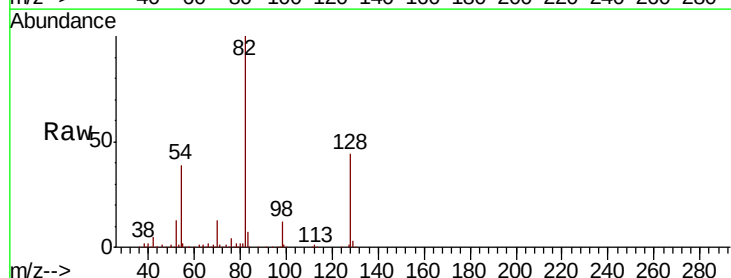
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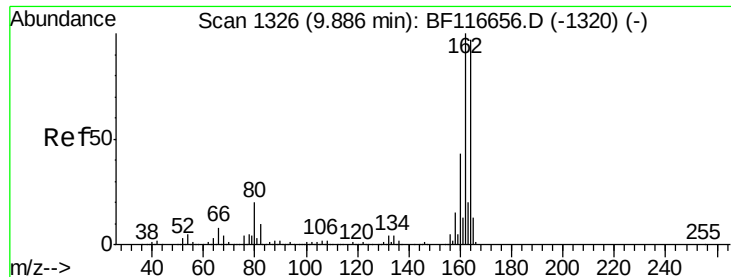
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#23
Nitrobenzene-d5
Concen: 58.864 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		486453		
128	44.1	32.8	49.2		
54	39.5	36.9	55.3		





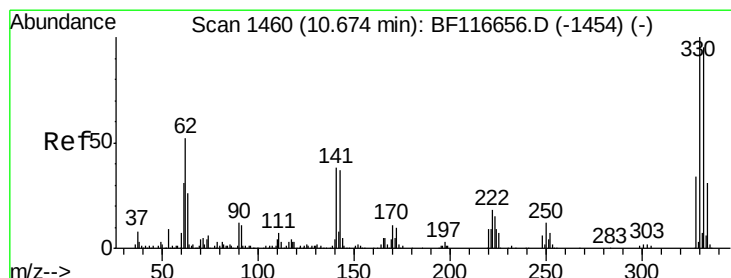
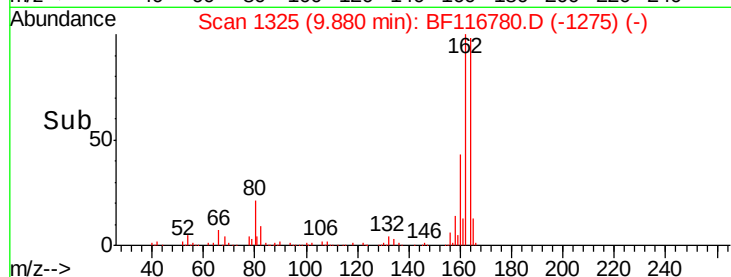
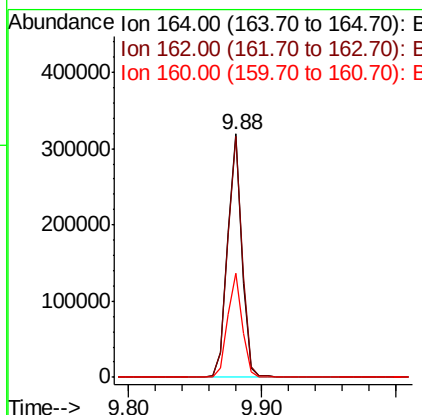
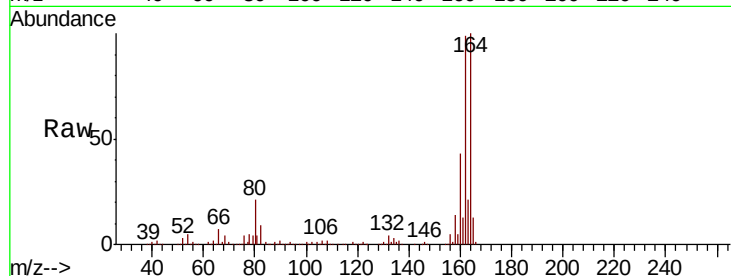
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Instrument :
BNA_F
ClientSampleId :
T12-D1-D4-(0-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	241730		
162	98.9	81.4	122.0	
160	42.8	35.4	53.2	

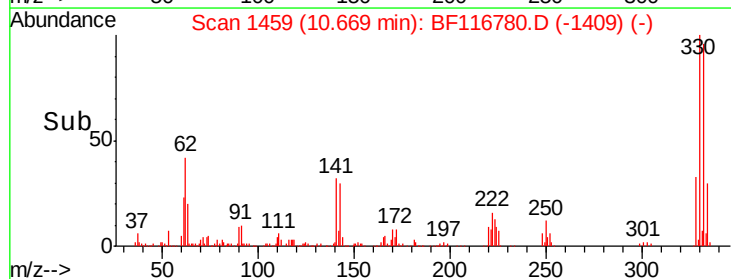
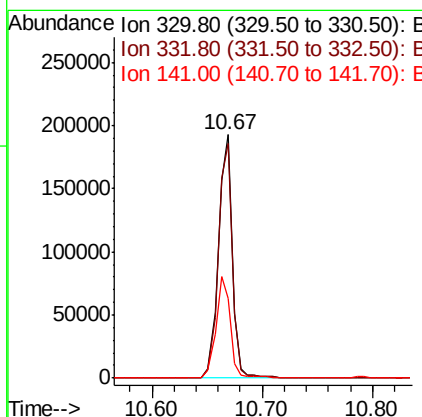
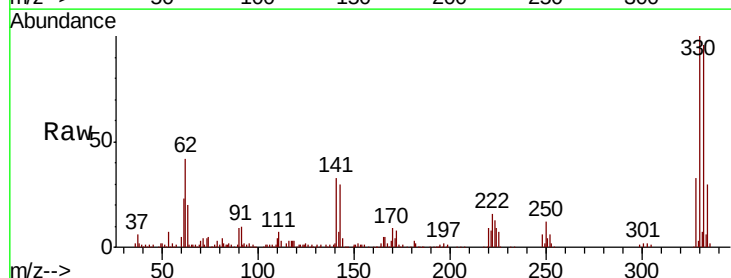
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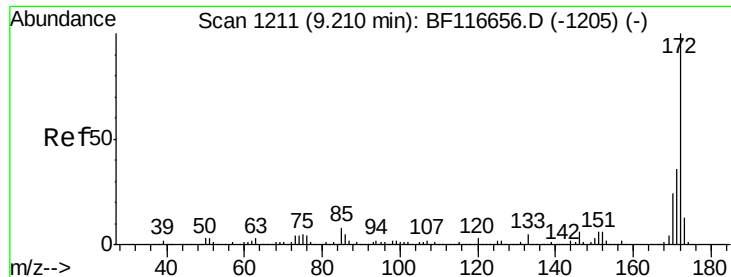
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#42
2,4,6-Tribromophenol
Concen: 104.985 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	169657		
332	97.4	76.9	115.3	
141	43.2	31.4	47.2	





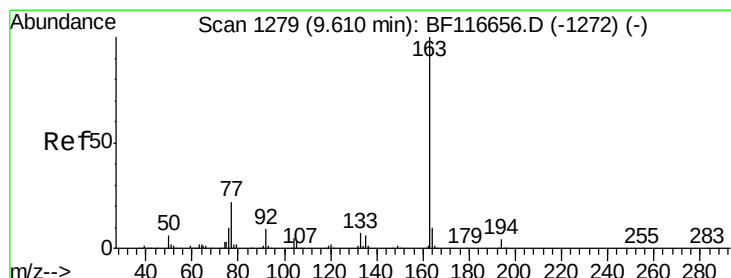
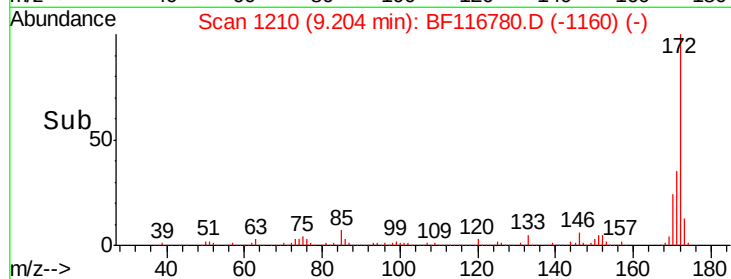
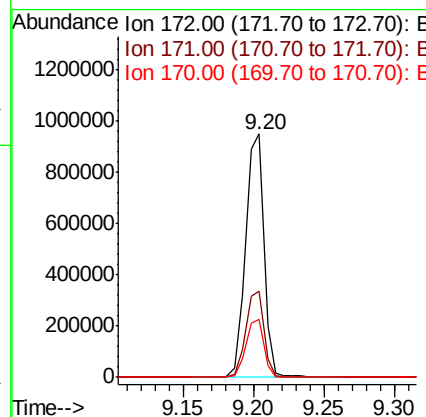
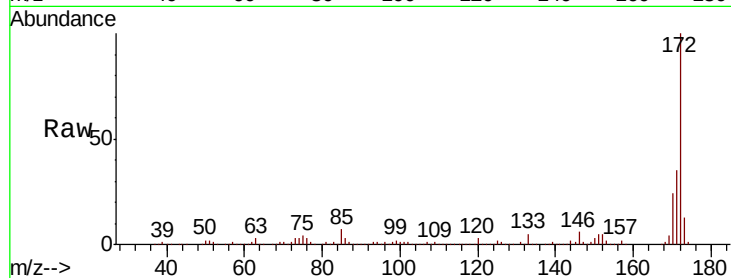
#45
2-Fluorobiphenyl
Concen: 60.005 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Instrument :
BNA_F
ClientSampleId :
T12-D1-D4-(0-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	859858		
171	35.3		27.8	41.6
170	23.7		18.9	28.3

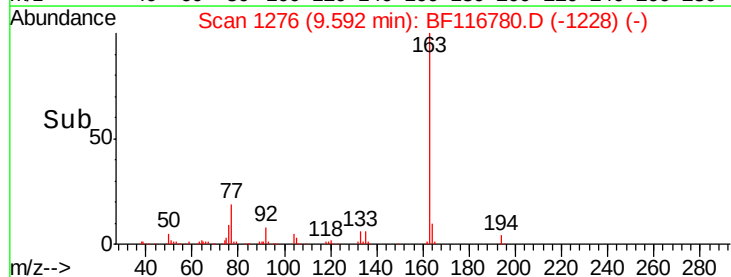
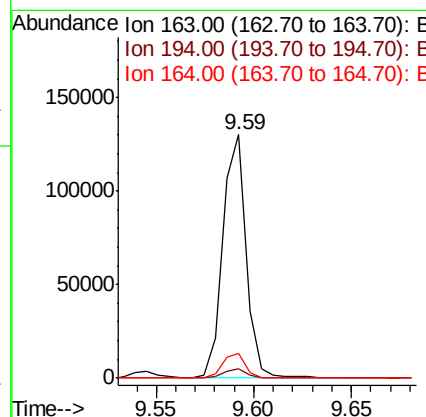
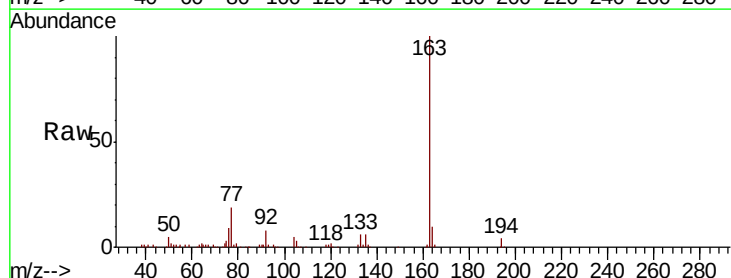
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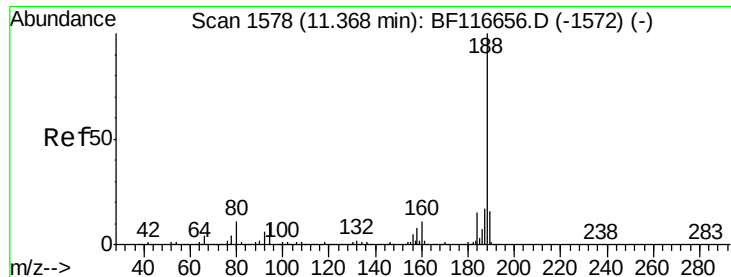
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#50
Dimethylphthalate
Concen: 6.481 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	108166		
194	3.9		2.8	4.2
164	9.9		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: BF116780.D

Acq: 3 Sep 2019 18:45

Instrument :

BNA_F

ClientSampleId :

T12-D1-D4-(0-3.5)

Tot Ion:188 Resp: 387807

Ion Ratio Lower Upper

188 100

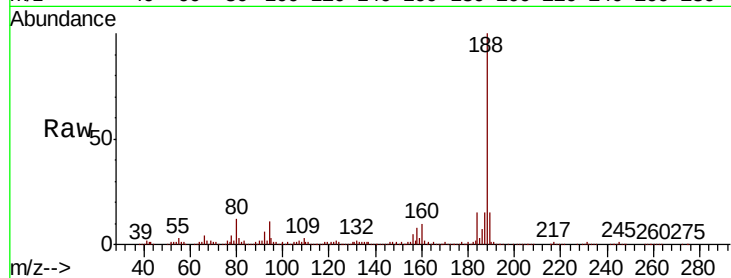
94 11.3 7.3 10.9#

80 11.8 8.4 12.6

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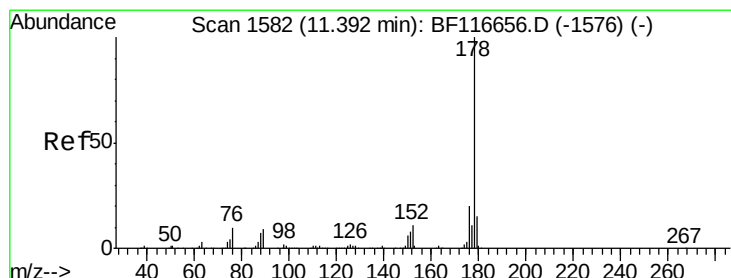
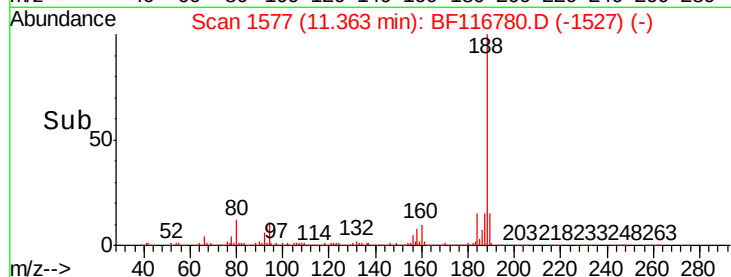
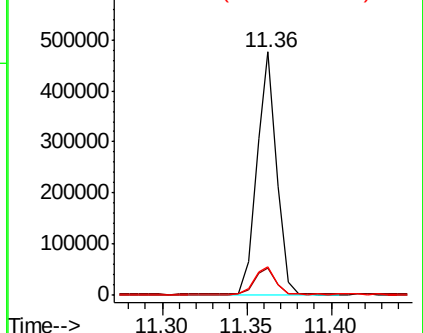
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 4.991 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

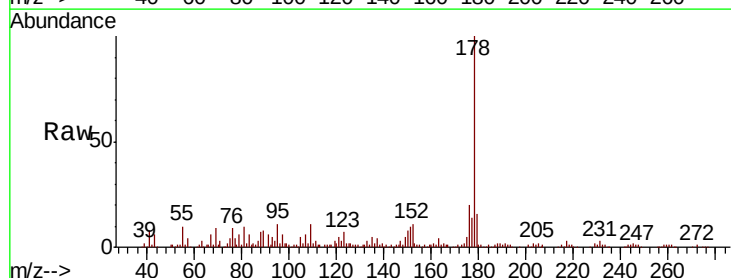
Tgt Ion:178 Resp: 107746

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.0

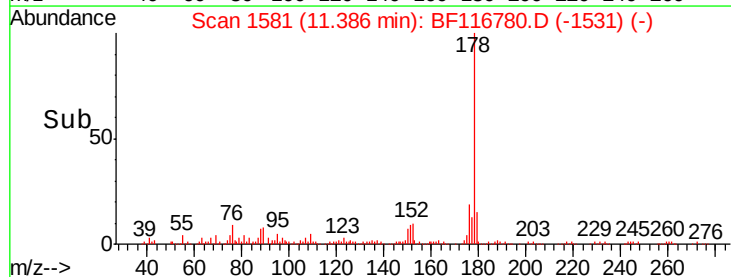
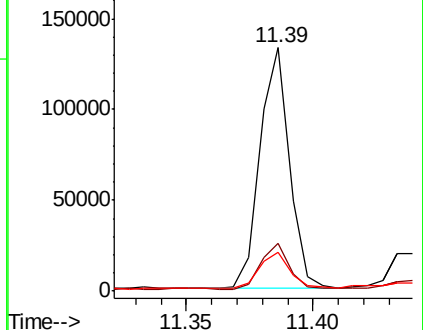
179 15.9 12.2 18.2

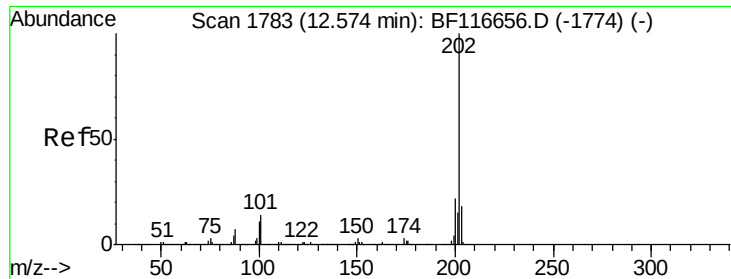


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 10.062 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

Instrument :

BNA_F

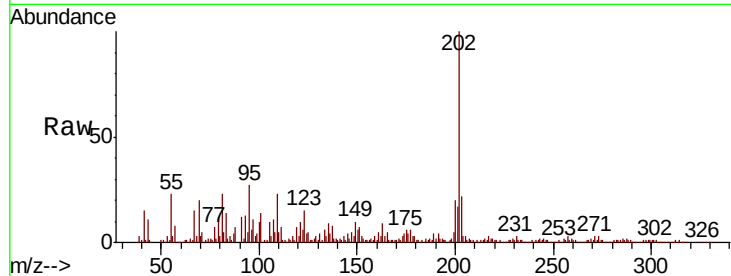
ClientSampleId :

T12-D1-D4-(0-3.5)

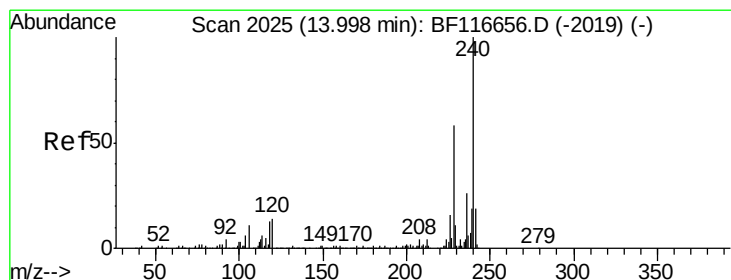
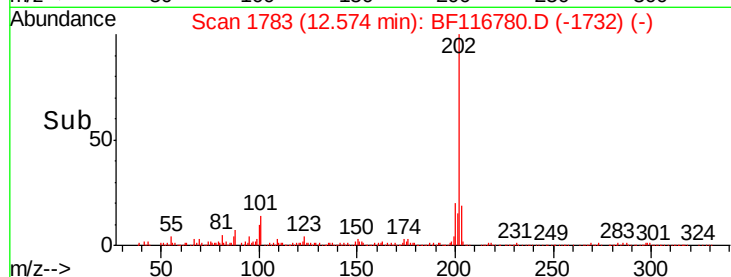
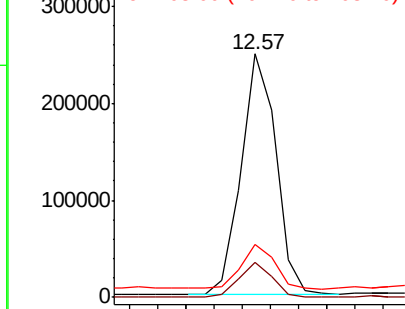
Tot Ion	Ratio	Resp	Lower	Upper
202	100	213460		
101	14.2	0.0	31.3	
203	21.9	0.0	37.6	

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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

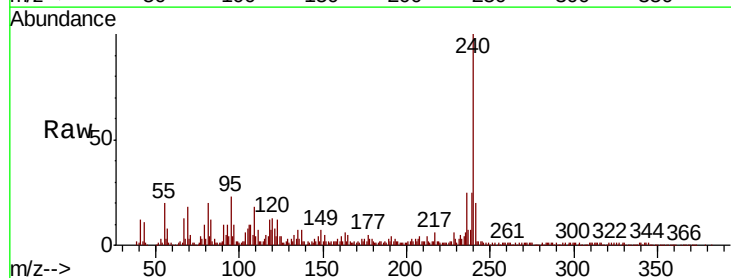
RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

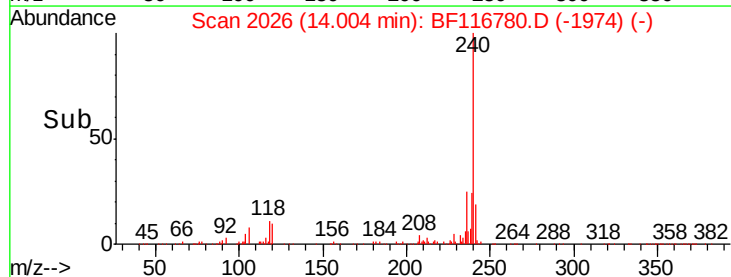
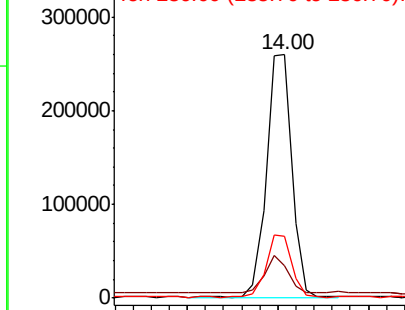
Lab File: BF116780.D

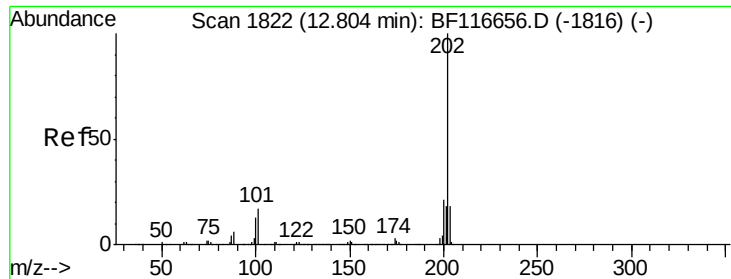
Acq: 3 Sep 2019 18:45

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	251791		
120	13.3	9.1	13.7	
236	25.3	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





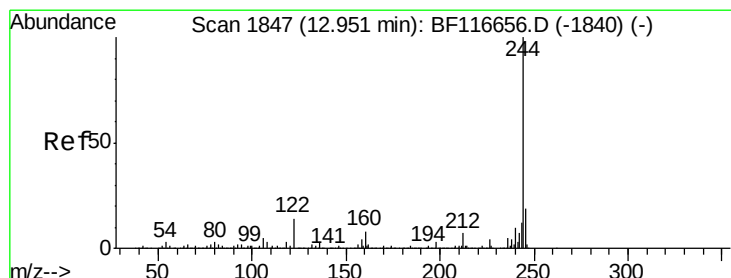
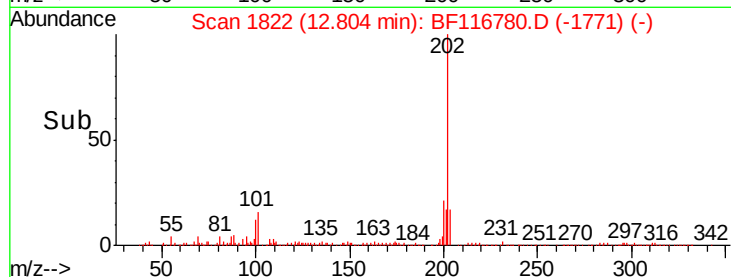
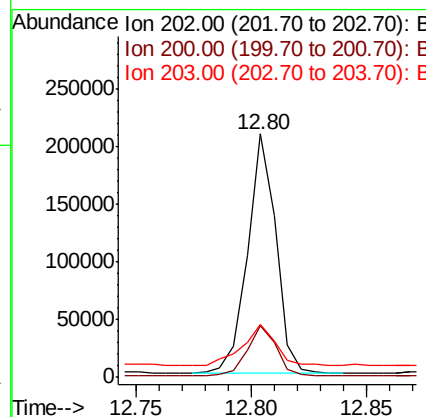
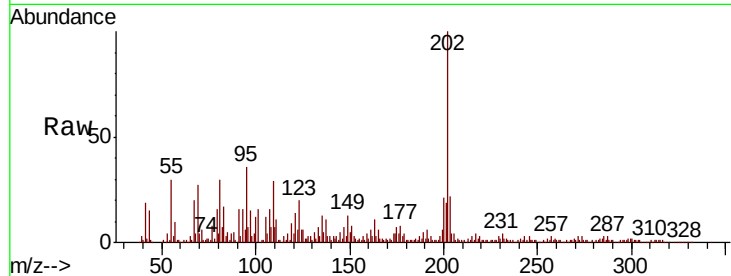
#78
Pvrene
Concen: 7.960 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Instrument :
BNA_F
ClientSampleId :
T12-D1-D4-(0-3.5)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	16.5	24.7
203	21.7	13.7	20.5

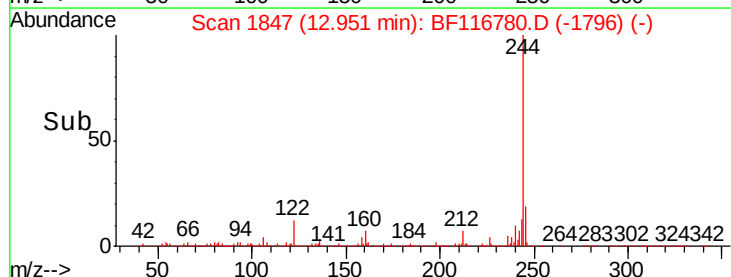
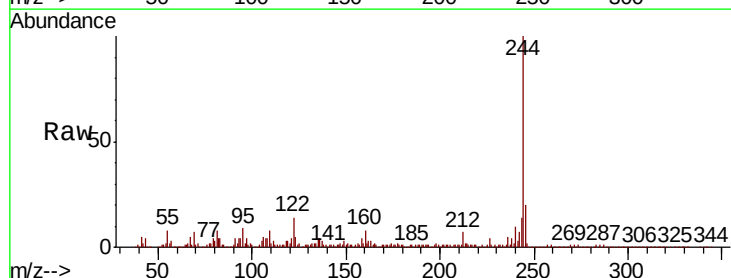
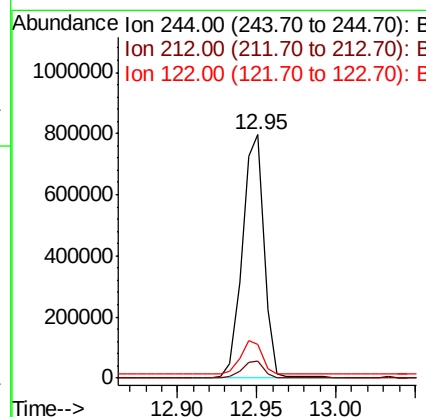
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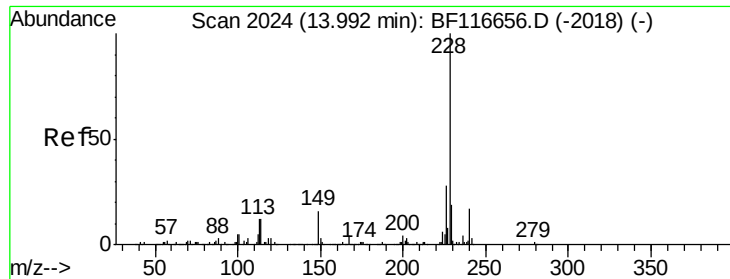
mohammad
9/6/2019 8:18:13 AM



#79
Terphenyl-d14
Concen: 54.840 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.00 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	6.1	9.1
122	13.6	10.2	15.4





#81

Benzo(a)anthracene

Concen: 5.001 ng m

RT: 13.99 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

Instrument :

BNA_F

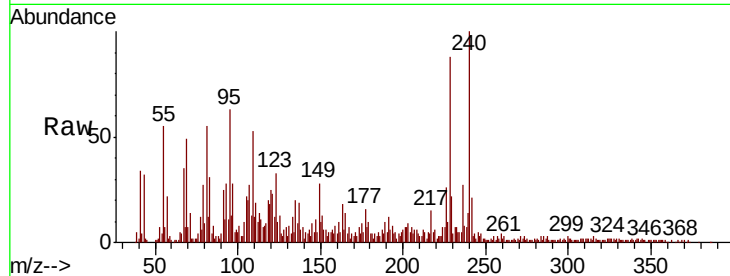
ClientSampleId :

T12-D1-D4-(0-3.5)

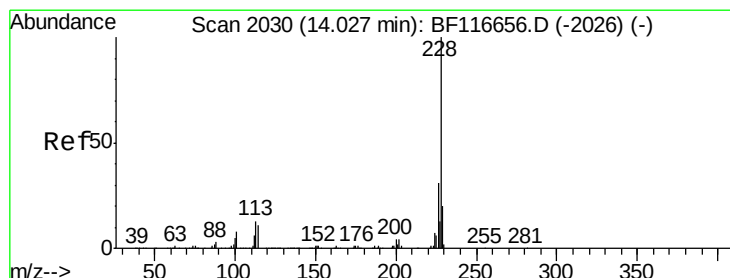
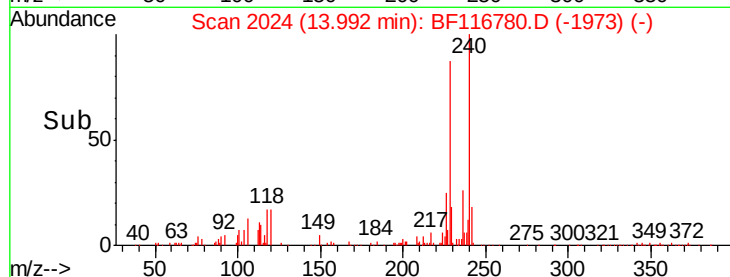
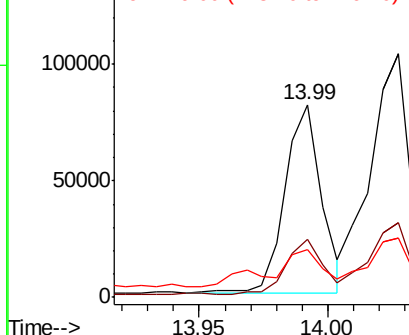
Tot Ion:	228	Resp:	79689
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.0	33.0
229	25.1	16.4	24.6

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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



#83

Chrysene

Concen: 6.666 ng

RT: 14.03 min Scan# 2030

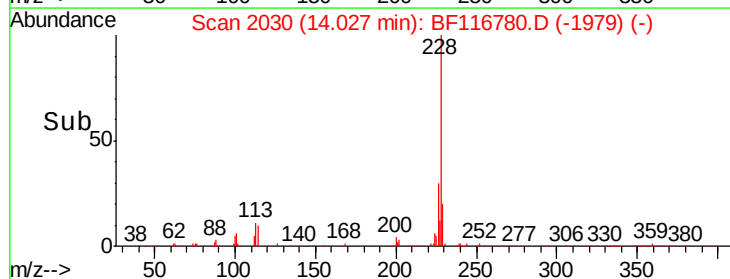
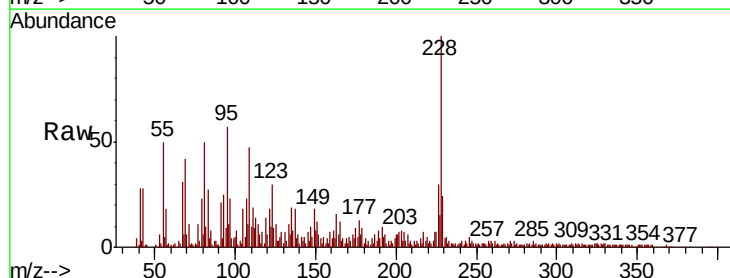
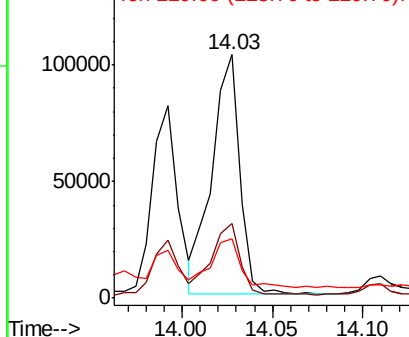
Delta R.T. 0.00 min

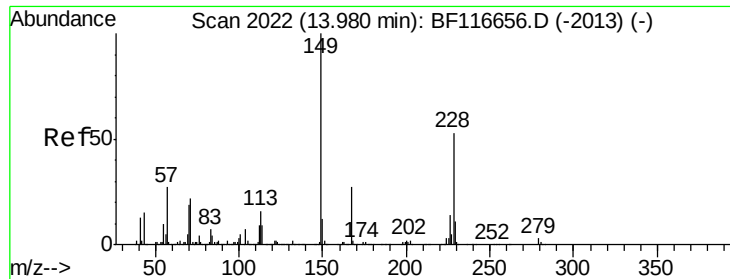
Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

Tgt Ion:	228	Resp:	109445
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.0	36.0
229	24.3	15.4	23.0

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: 4.645 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

Instrument :

BNA_F

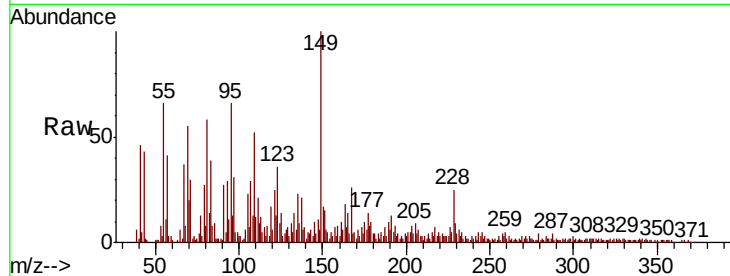
ClientSampleId :

T12-D1-D4-(0-3.5)

Tot Ion:	149	Resp:	62413
Ion Ratio	Lower	Upper	
149	100		
167	26.0	21.0	31.4
279	4.1	2.8	4.2

Manual Integrations
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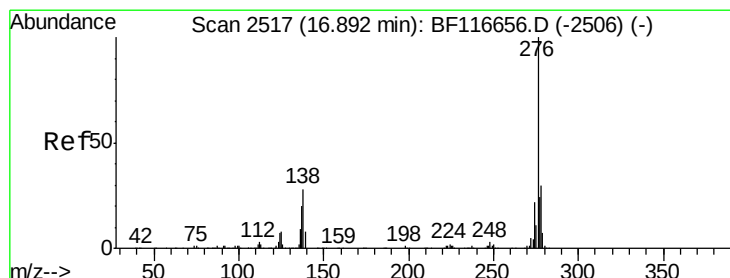
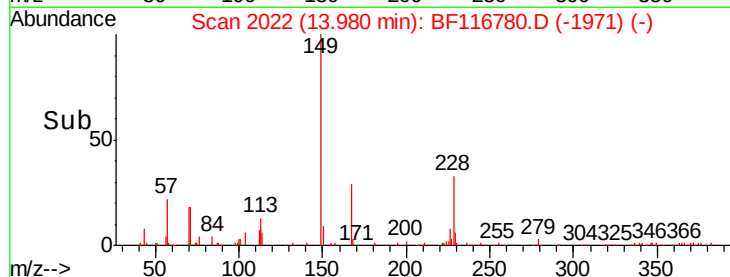
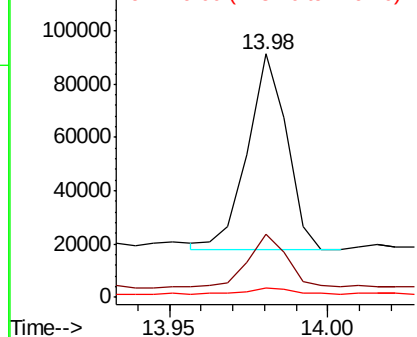


Abundance

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: 5.215 ng

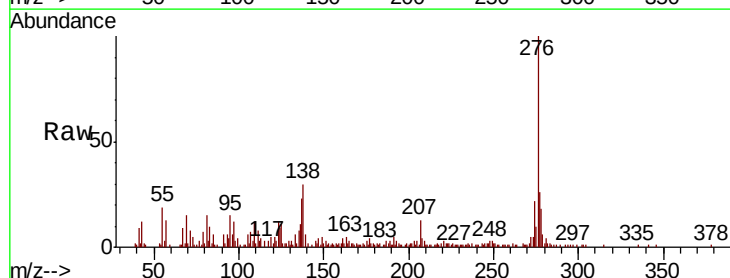
RT: 16.89 min Scan# 2517

Delta R.T. 0.00 min

Lab File: BF116780.D

Acq: 3 Sep 2019 18:45

Tgt Ion:	276	Resp:	68773
Ion Ratio	Lower	Upper	
276	100		
138	27.4	19.4	29.2
277	27.6	20.5	30.7

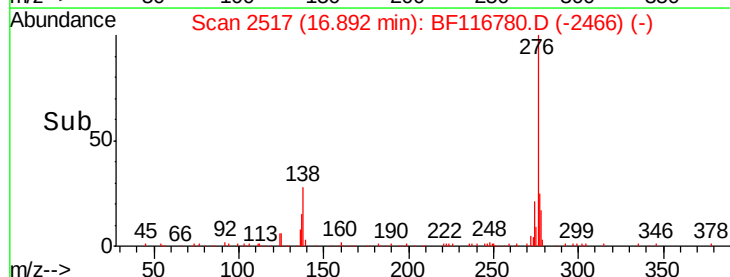
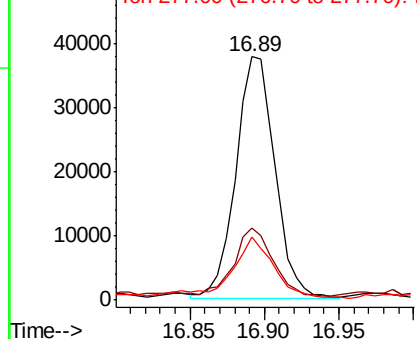


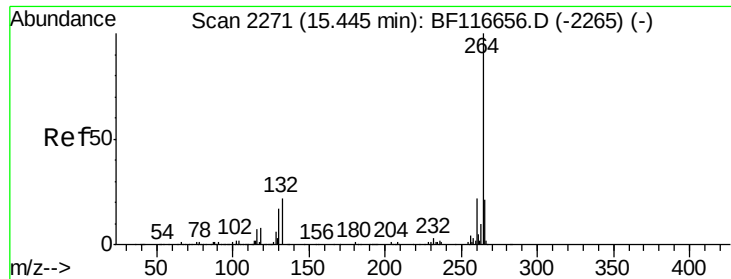
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





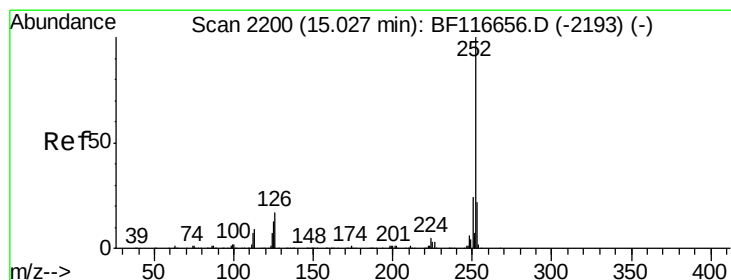
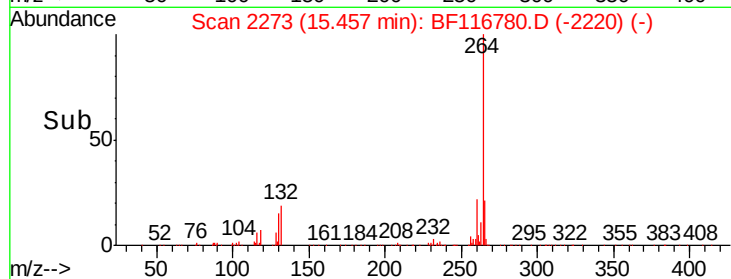
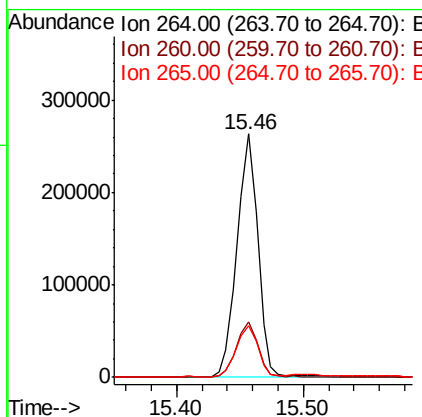
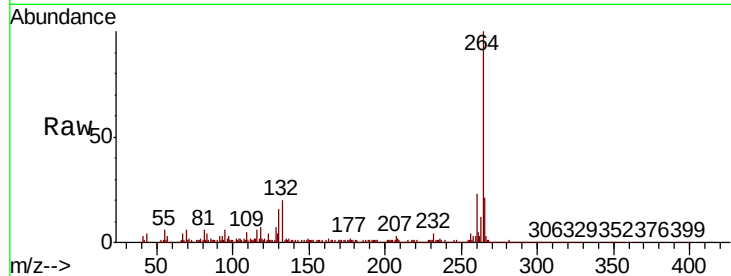
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Instrument :
BNA_F
ClientSampleId :
T12-D1-D4-(0-3.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.3	27.5
265	21.2	16.5	24.7

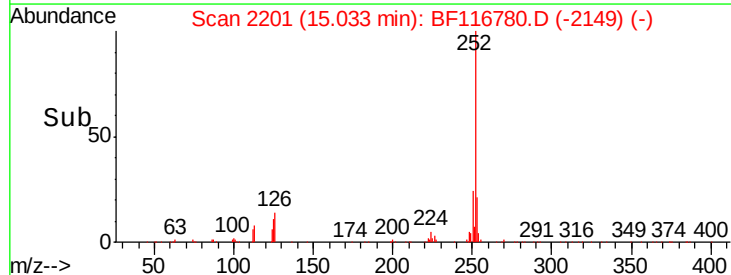
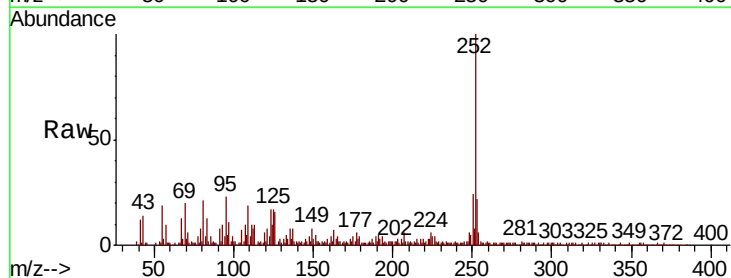
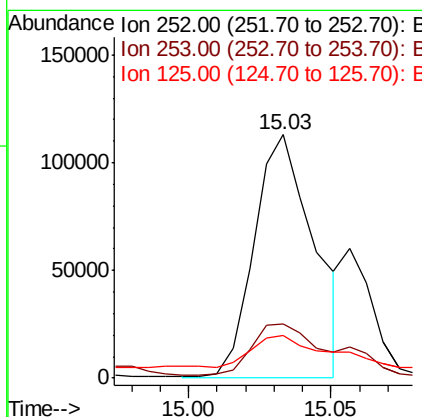
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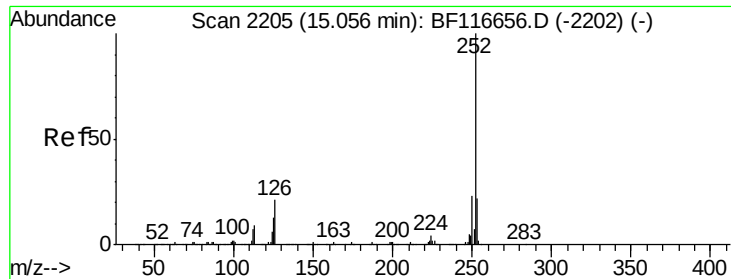
mohammad
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#88
Benzo(b)fluoranthene
Concen: 9.250 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	17.3	8.2	12.2#





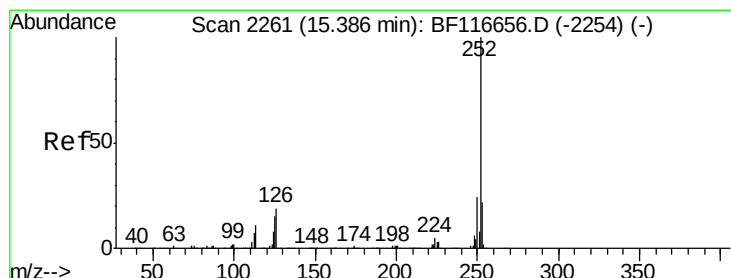
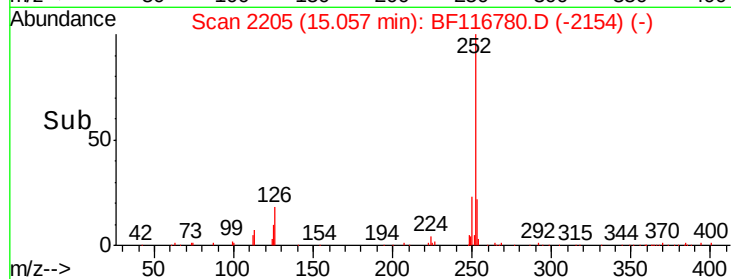
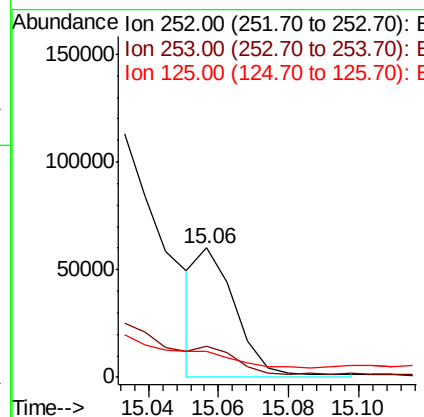
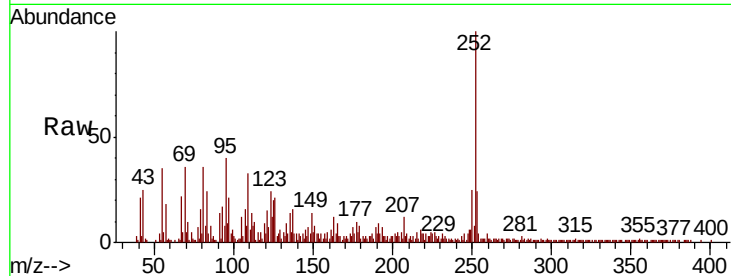
#89
Benzo(k)fluoranthene
Concen: 2.823 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Instrument :
BNA_F
ClientSampleId :
T12-D1-D4-(0-3.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	20.0	8.6	13.0

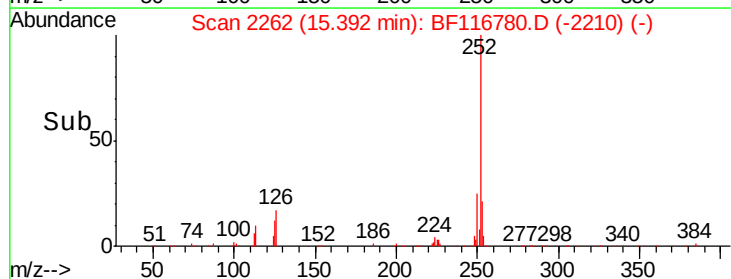
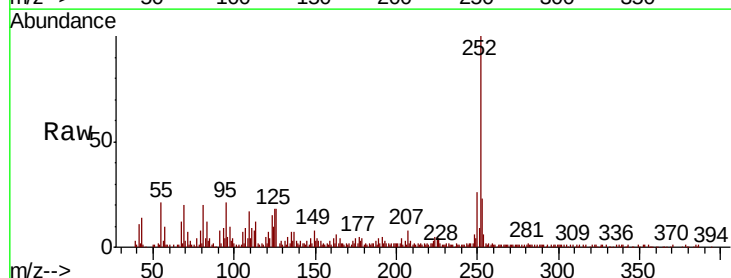
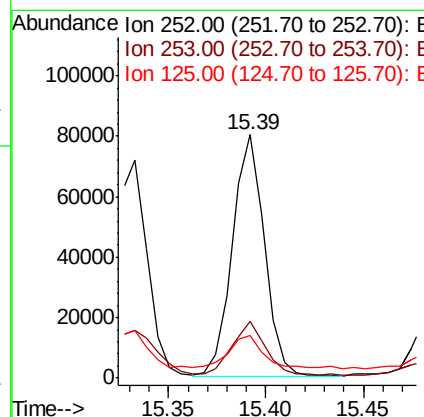
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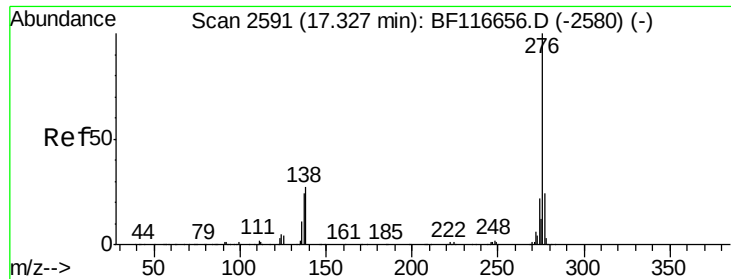
mohammad
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#90
Benzo(a)pyrene
Concen: 5.784 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF116780.D
Acq: 3 Sep 2019 18:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	17.6	9.8	14.8





#92
 Benzo(a,h,i)perylene
 Concen: 4.683 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. 0.00 min
 Lab File: BF116780.D
 Acq: 3 Sep 2019 18:45

Instrument :
 BNA_F
 ClientSampleId :
 T12-D1-D4-(0-3.5)

Tot Ion:	276	Resp:	65514
Ion Ratio		Lower	Upper
276	100		
277	26.2	18.5	27.7
138	29.1	16.2	24.2#

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mohammad
 9/6/2019 8:18:13 AM

