

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116772.D
 Acq On : 3 Sep 2019 15:11
 Operator : HP/JU
 Sample : K4618-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4-18-20

Manual Integrations
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Quant Time: Sep 04 06:41:11 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	106441	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	424487	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	216033	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	365856	20.00	ng	0.00
76) Chrysene-d12	14.00	240	241290	20.00	ng	0.00
87) Perylene-d12	15.46	264	273337	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	768280	116.93	ng	0.00
7) Phenol-d6	6.47	99	1033341	119.77	ng	0.00
23) Nitrobenzene-d5	7.40	82	624051	83.93	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	209020	144.73	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	900597	70.32	ng	0.00
79) Terphenyl-d14	12.95	244	825194	63.27	ng	0.00
Target Compounds						
10) Phenol	6.49	94	93683	9.806	ng	91
31) Naphthalene	8.15	128	52740	2.613	ng	98
50) Dimethylphthalate	9.59	163	126215	8.462	ng	97
71) Phenanthrene	11.39	178	94303	4.630	ng	98
72) Anthracene	11.43	178	41995m	2.048	ng	
75) Fluoranthene	12.57	202	103249	5.159	ng	94
78) Pyrene	12.80	202	287867	13.421	ng	96
81) Benzo(a)anthracene	13.99	228	450612	29.507	ng	# 95
83) Chrysene	14.02	228	487266	30.971	ng	# 91
86) Indeno(1,2,3-cd)pyrene	16.92	276	184589	14.607	ng	# 77
88) Benzo(b)fluoranthene	15.03	252	268094m	16.223	ng	
89) Benzo(k)fluoranthene	15.06	252	41273m	2.739	ng	
90) Benzo(a)pyrene	15.40	252	427879	29.761	ng	# 94
91) Dibenzo(a,h)anthracene	16.92	278	191796	15.240	ng	# 74
92) Benzo(a,h,i)perylene	17.37	276	379138	29.540	ng	# 88

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

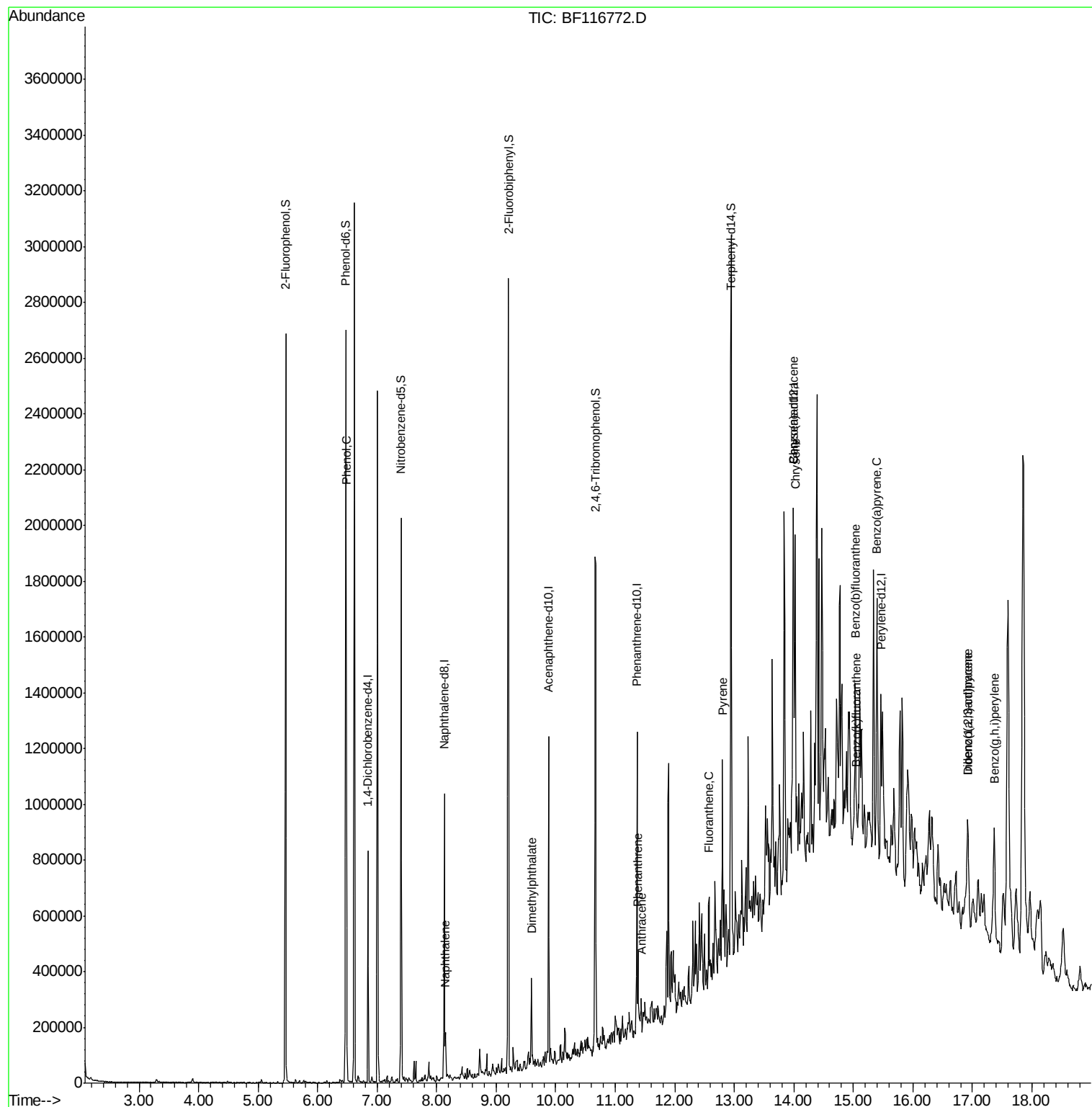
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
Data File : BF116772.D
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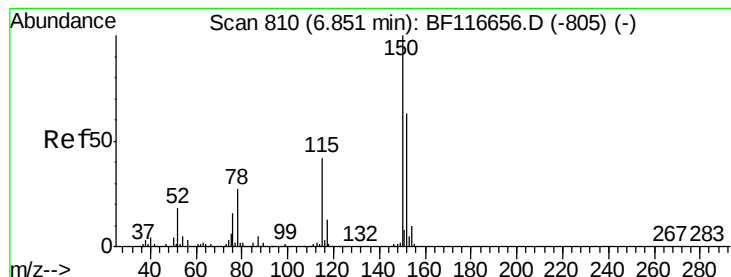
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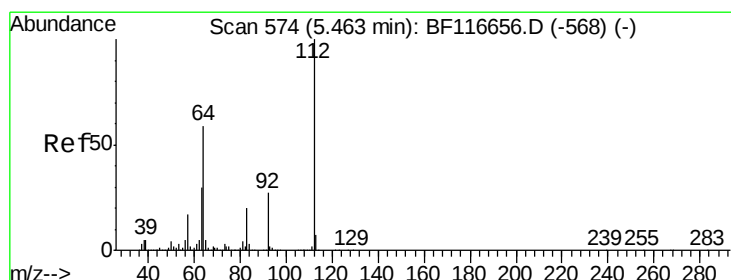
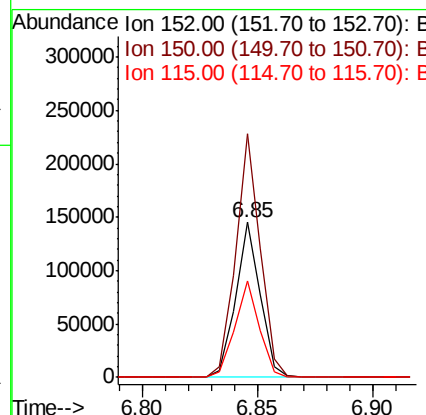
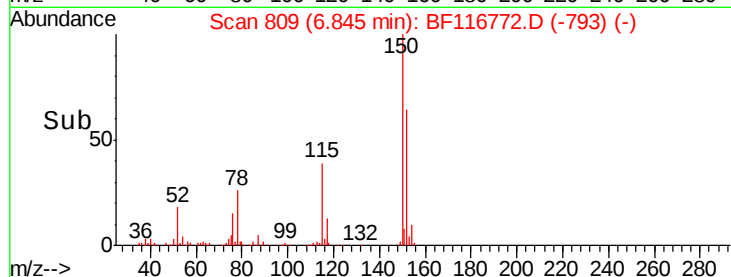
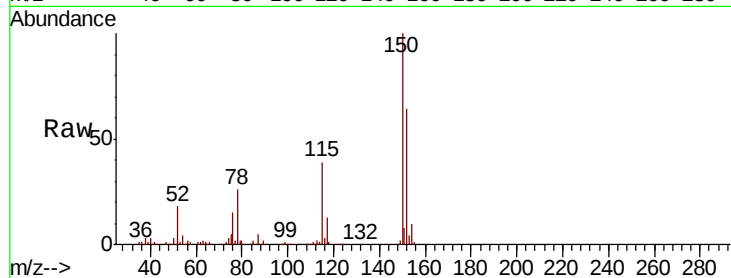
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF116772.D
 Acq: 3 Sep 2019 15:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-4-18-20

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.4	186.6
115	61.9	49.9	74.9

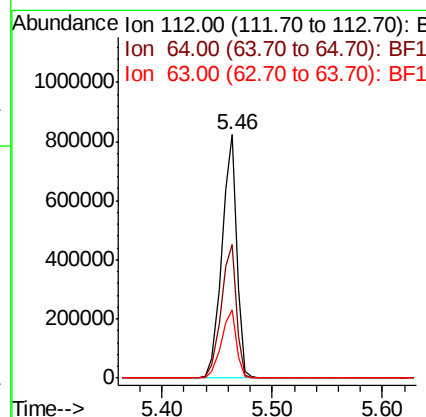
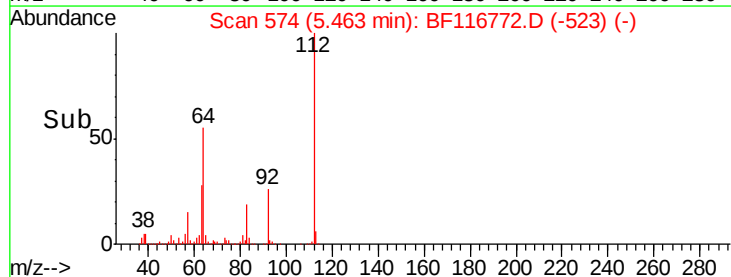
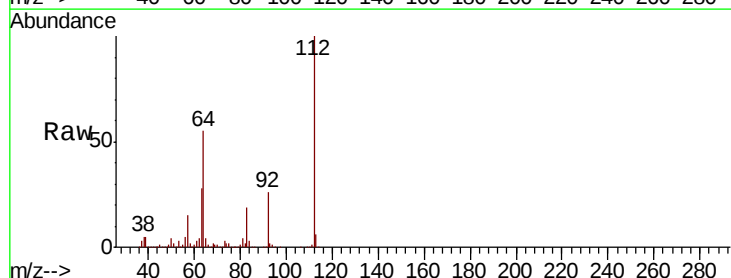
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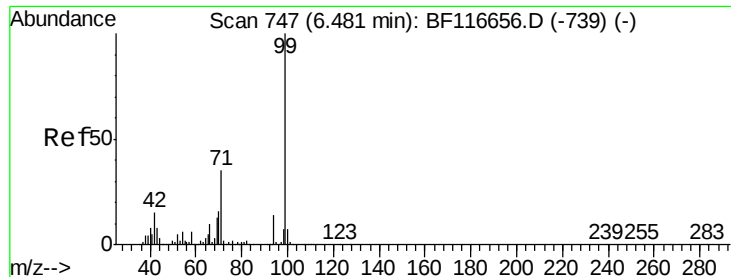
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#5
 2-Fluorophenol
 Concen: 116.934 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: BF116772.D
 Acq: 3 Sep 2019 15:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	47.1	70.7
63	28.1	24.9	37.3





#7

Phenol-d6

Concen: 119.774 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116772.D

Acq: 3 Sep 2019 15:11

Instrument :

BNA_F

ClientSampleId :

SB-4-18-20

Tot Ion: 99 Resp: 1033341

Ion Ratio Lower Upper

99 100

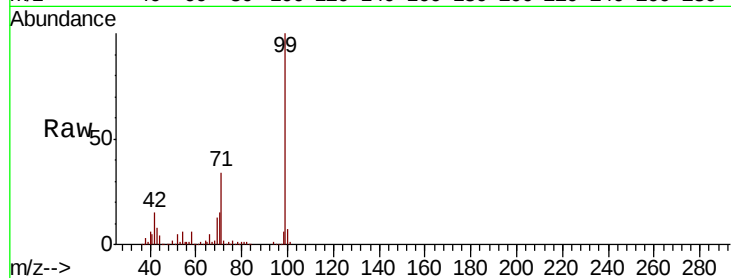
42 14.8 13.7 20.5

71 34.0 30.8 46.2

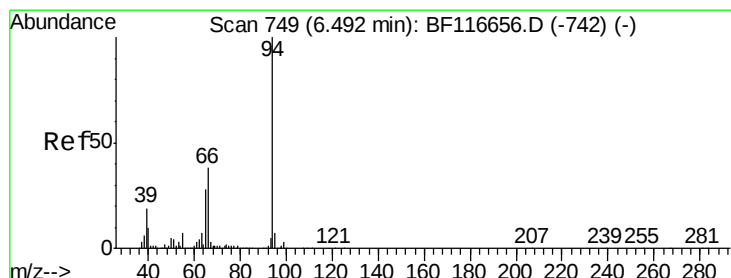
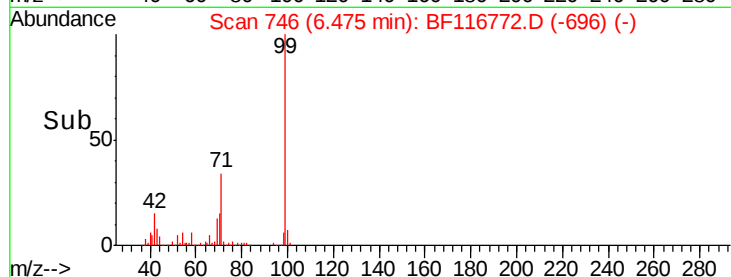
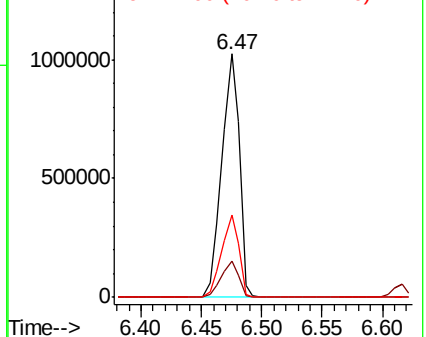
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 9.806 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116772.D

Acq: 3 Sep 2019 15:11

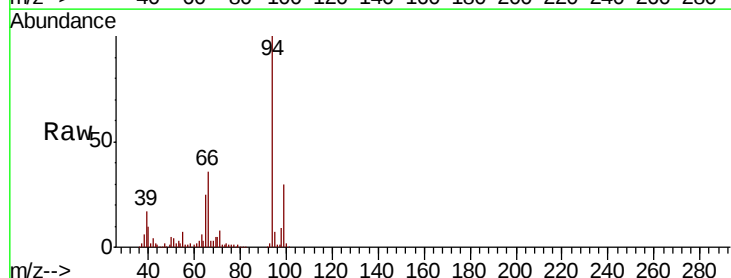
Tgt Ion: 94 Resp: 93683

Ion Ratio Lower Upper

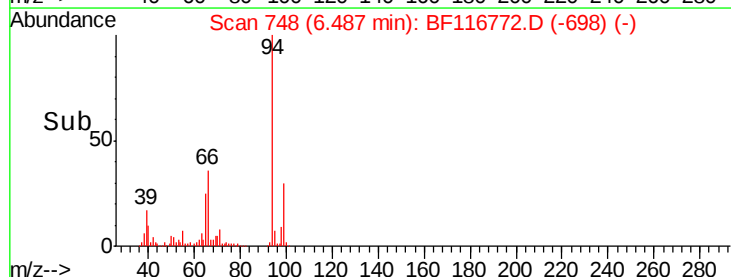
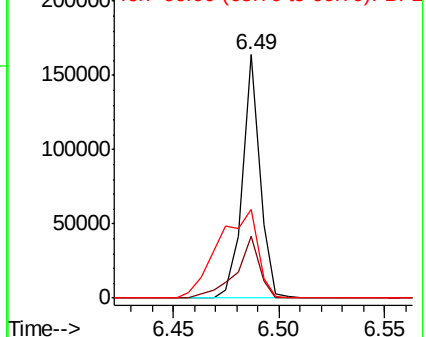
94 100

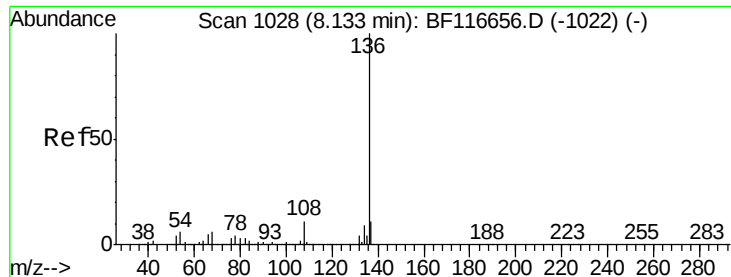
65 25.2 10.8 50.8

66 36.3 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: BF116772.D

Acq: 3 Sep 2019 15:11

Instrument :

BNA_F

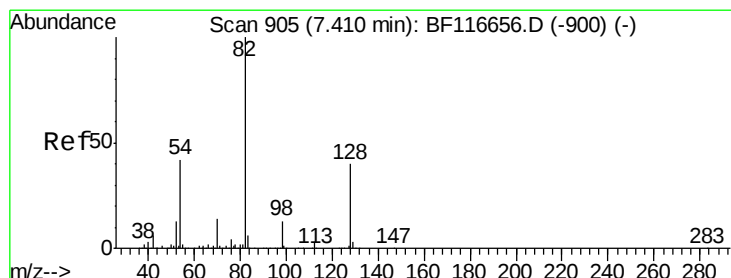
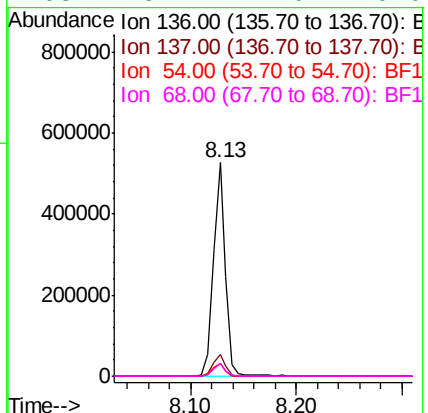
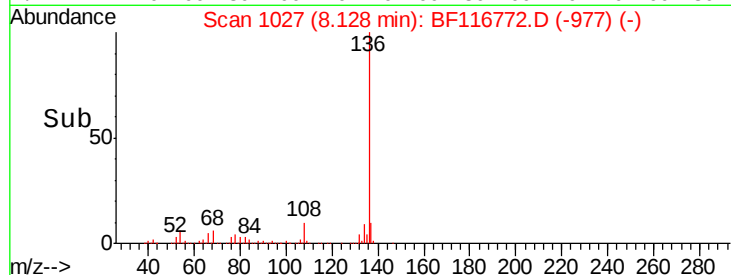
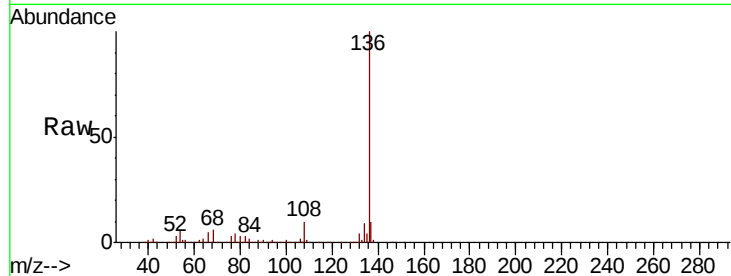
ClientSampleId :

SB-4-18-20

Tot Ion	Ratio	Resp	Lower	Upper
136	100	424487		
137	10.2	8.9	13.3	
54	6.1	4.8	7.2	
68	5.7	4.0	6.0	

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#23

Nitrobenzene-d5

Concen: 83.926 ng

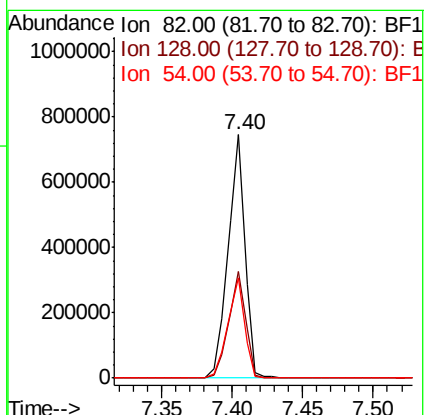
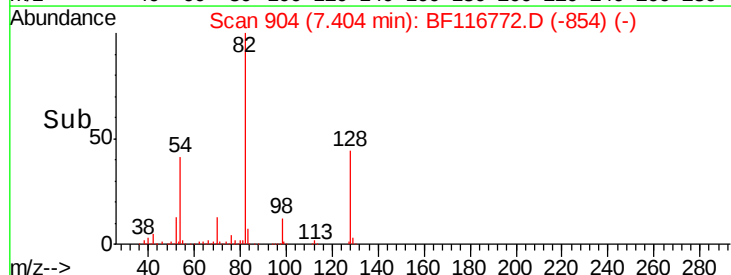
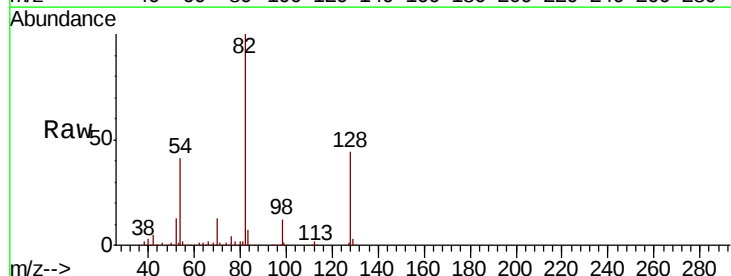
RT: 7.40 min Scan# 904

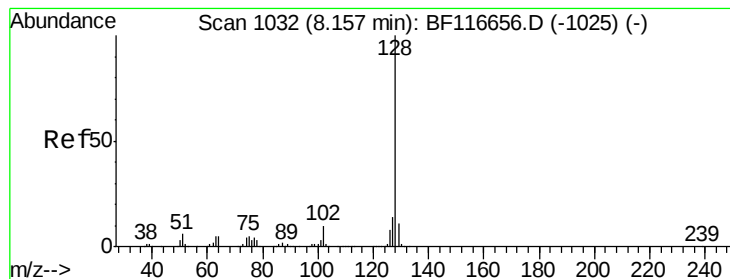
Delta R.T. -0.01 min

Lab File: BF116772.D

Acq: 3 Sep 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	624051		
128	43.9	32.8	49.2	
54	41.4	36.9	55.3	





#31

Naphthalene

Concen: 2.613 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF116772.D

Acq: 3 Sep 2019 15:11

Instrument :

BNA_F

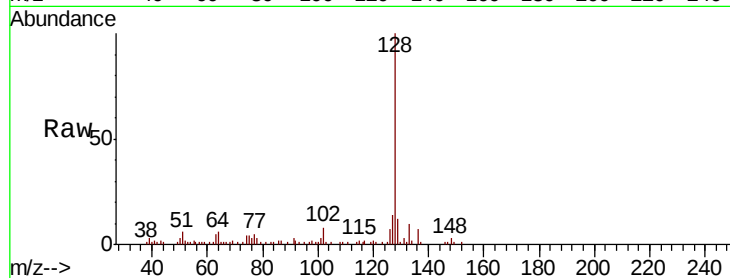
ClientSampleId :

SB-4-18-20

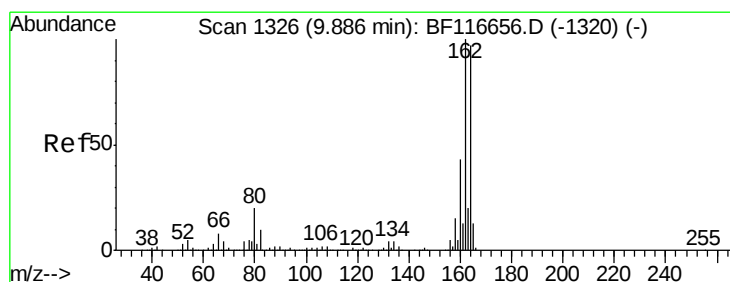
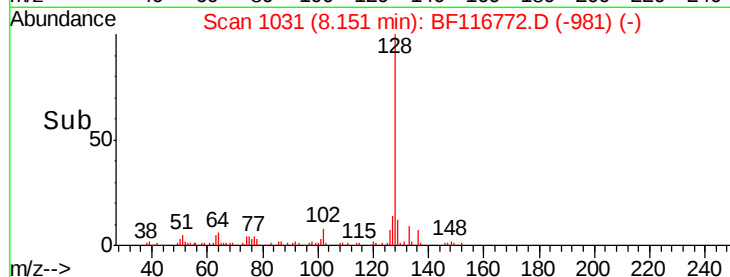
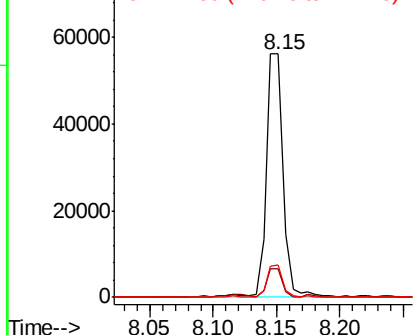
Tot Ion:	128	Resp:	52740
Ion Ratio	Lower	Upper	
128	100		
129	11.5	8.6	13.0
127	13.6	10.4	15.6

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

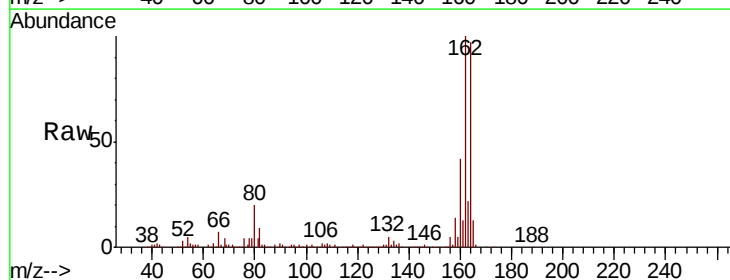
RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

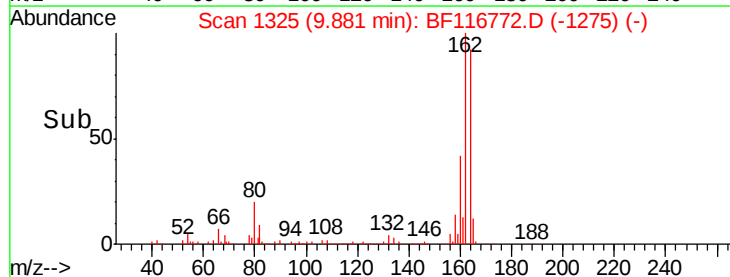
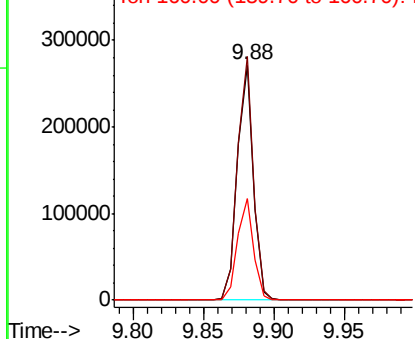
Lab File: BF116772.D

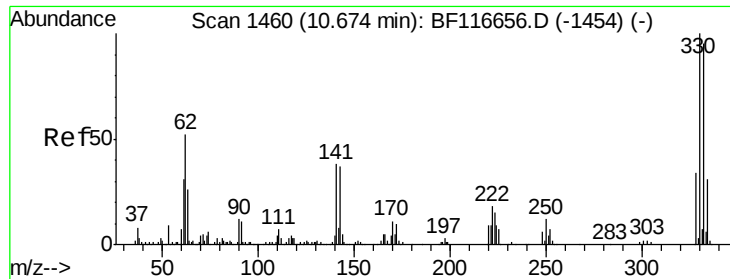
Acq: 3 Sep 2019 15:11

Tgt Ion:	164	Resp:	216033
Ion Ratio	Lower	Upper	
164	100		
162	103.5	81.4	122.0
160	43.4	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





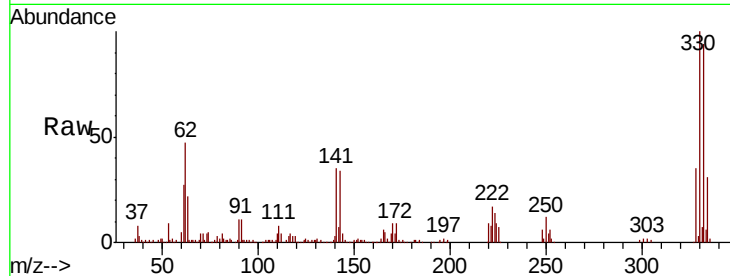
#42
 2,4,6-Tribromophenol
 Concen: 144.728 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116772.D
 Acq: 3 Sep 2019 15:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-4-18-20

Tot Ion	Ratio	Resp	Lower	Upper
330	100	209020		
332	94.8	76.9	115.3	
141	42.3	31.4	47.2	

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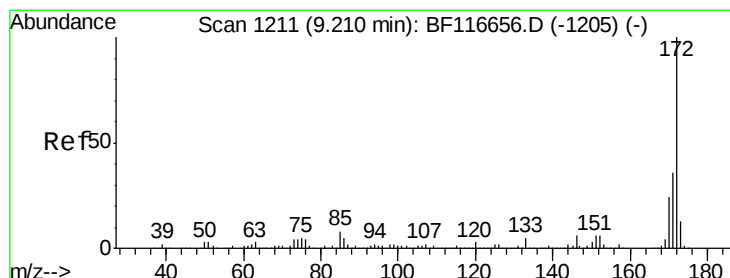
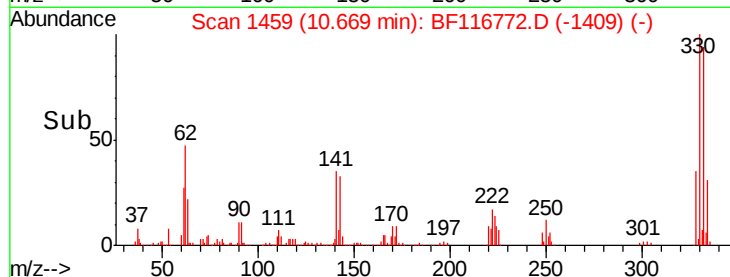
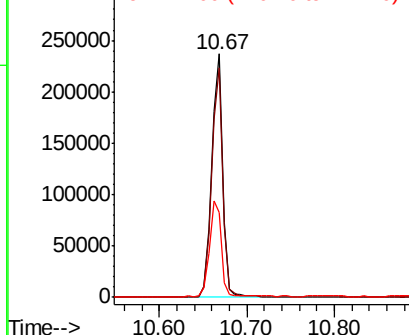


Abundance

Ion 329.80 (329.50 to 330.50): E

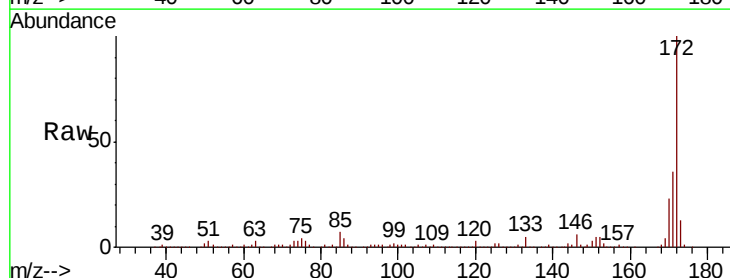
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 70.323 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116772.D
 Acq: 3 Sep 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	900597		
171	35.7	27.8	41.6	
170	23.2	18.9	28.3	

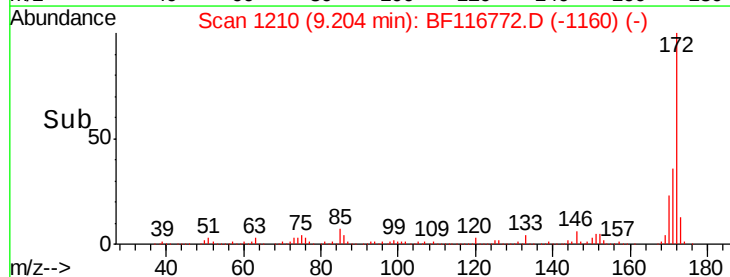
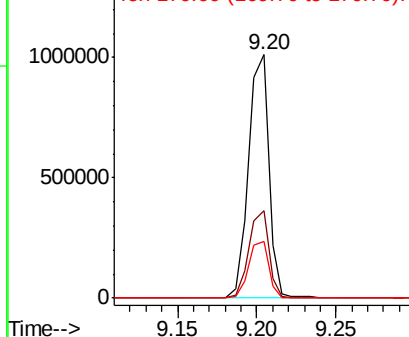


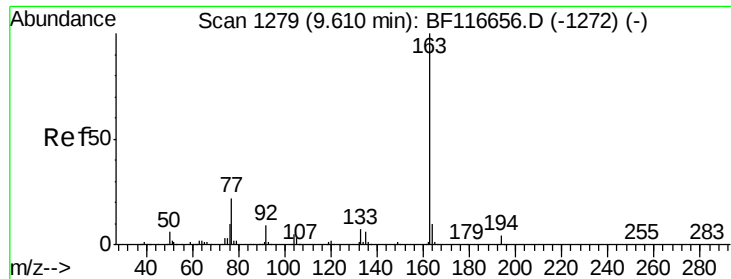
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





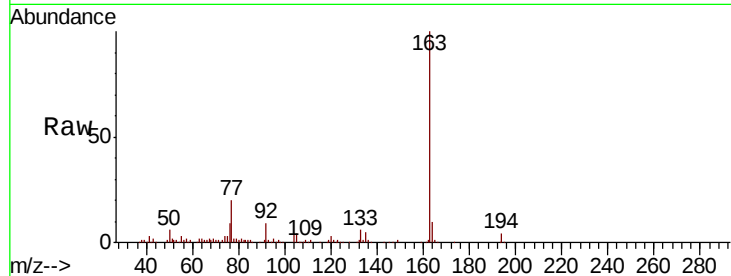
#50
Dimethylphthalate
Concen: 8.462 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116772.D
Acq: 3 Sep 2019 15:11

Instrument :
BNA_F
ClientSampleId :
SB-4-18-20

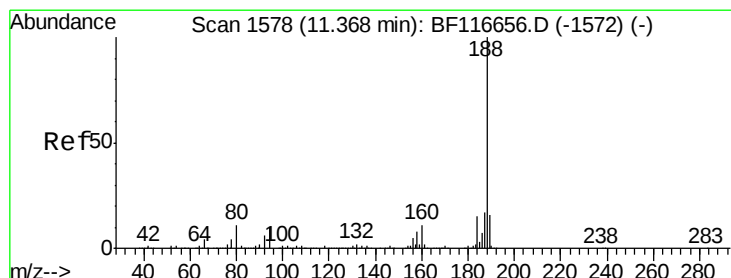
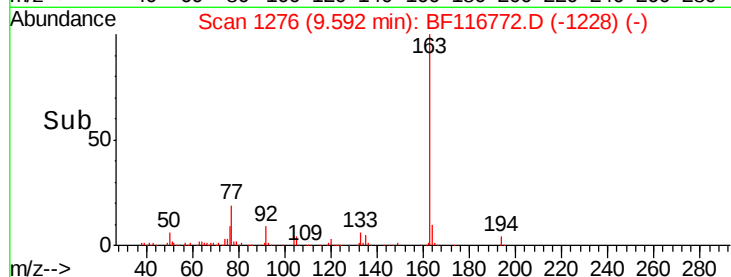
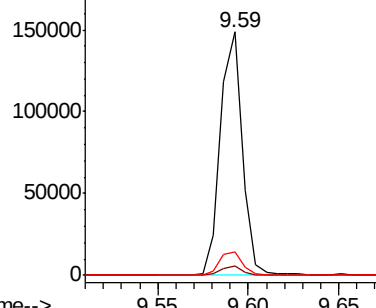
Tot Ion	Ratio	Resp	Lower	Upper
163	100	126215		
194	4.0	2.8	4.2	
164	9.6	8.6	12.8	

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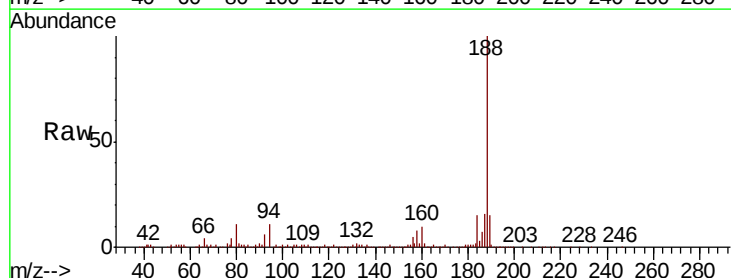


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

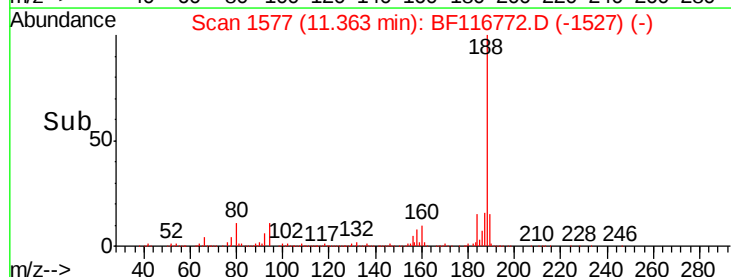
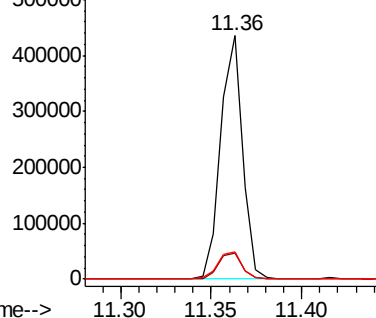


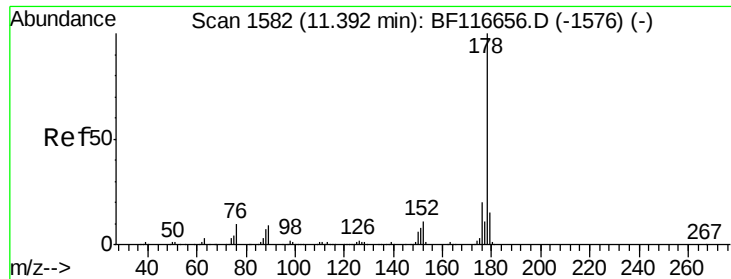
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116772.D
Acq: 3 Sep 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	365856		
94	10.9	7.3	10.9	
80	11.2	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: 4.630 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116772.D

Acq: 3 Sep 2019 15:11

Instrument :

BNA_F

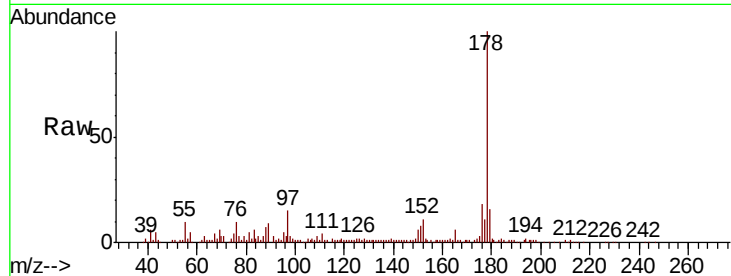
ClientSampleId :

SB-4-18-20

Tot Ion:	178	Resp:	94303
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.0
179	16.1	12.2	18.2

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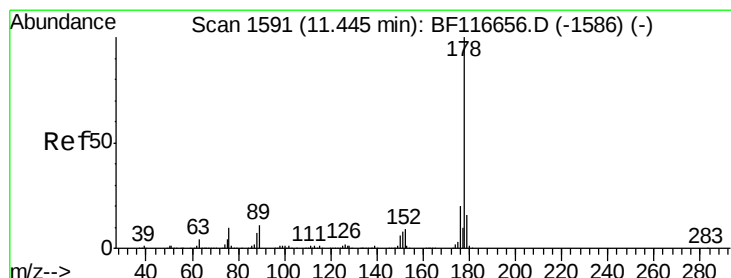
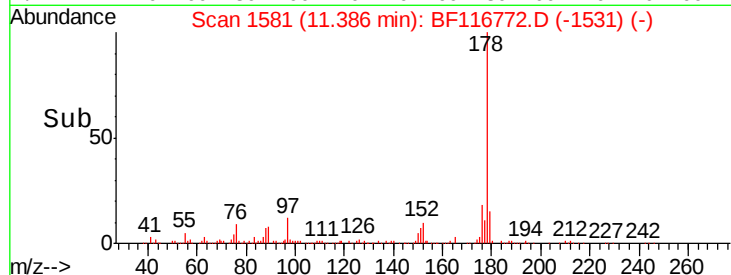
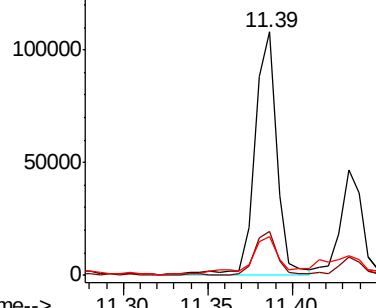


Abundance

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



#72

Anthracene

Concen: 2.048 ng m

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF116772.D

Acq: 3 Sep 2019 15:11

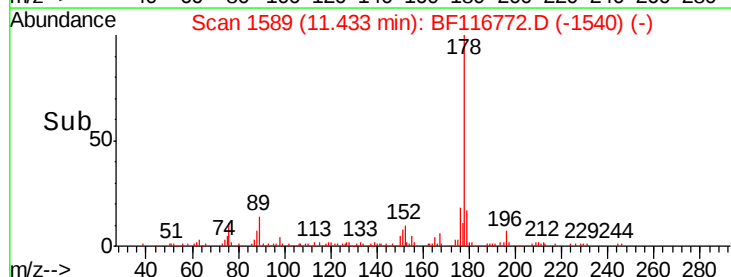
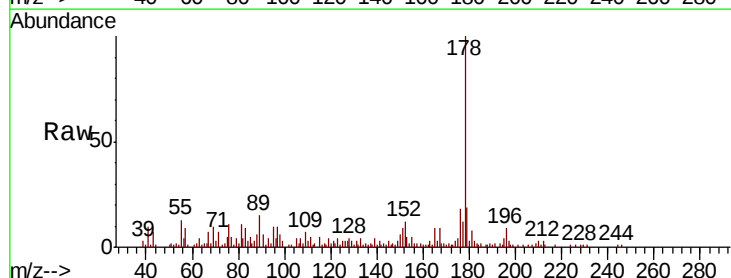
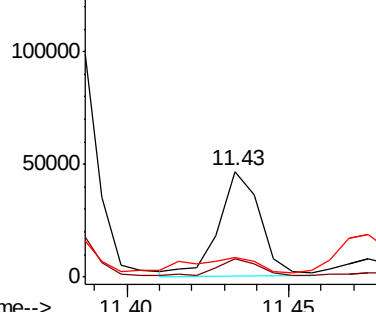
Tgt Ion:	178	Resp:	41995
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.4	23.0
179	18.7	12.5	18.7#

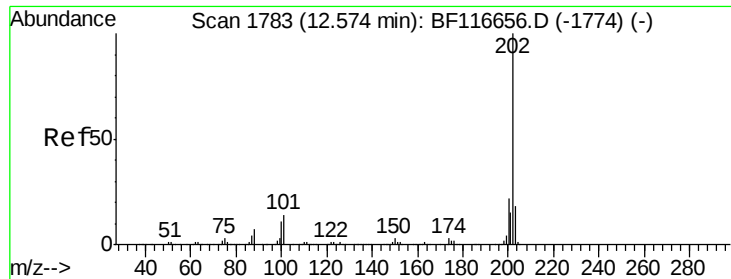
Abundance

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: 5.159 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116772.D

Acq: 3 Sep 2019 15:11

Instrument :

BNA_F

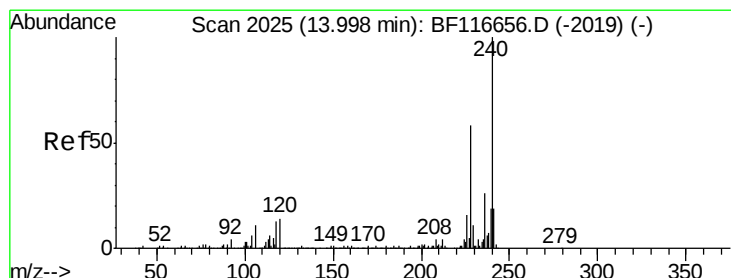
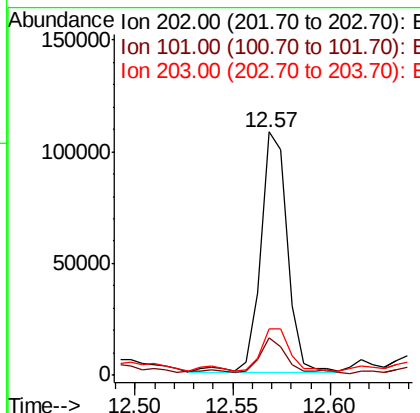
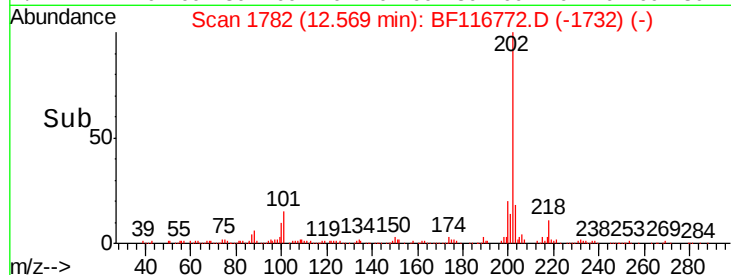
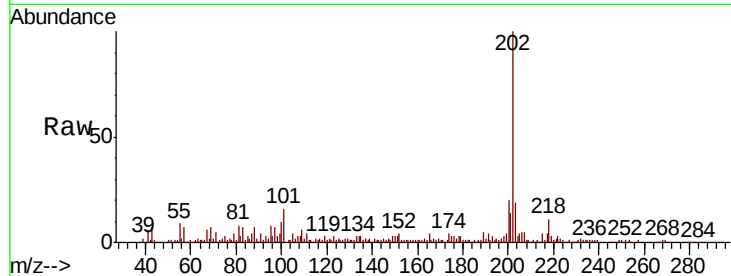
ClientSampleId :

SB-4-18-20

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	15.7	0.0	31.3		
203	18.9	0.0	37.6		

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#76

Chrysene-d12

Concen: 20.000 ng

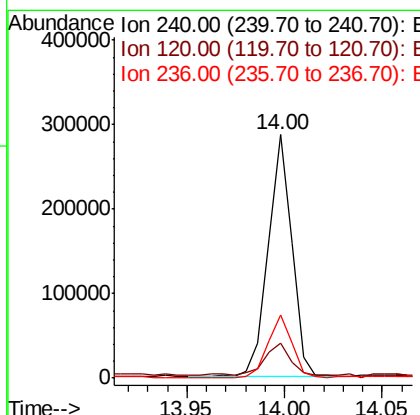
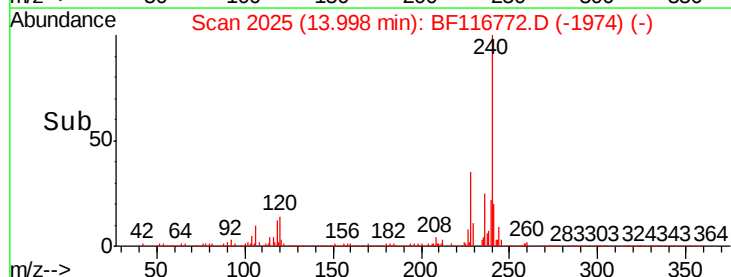
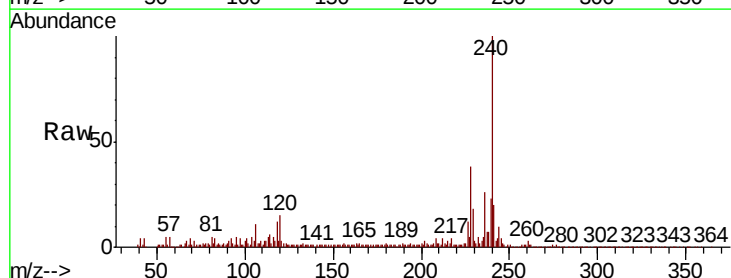
RT: 14.00 min Scan# 2025

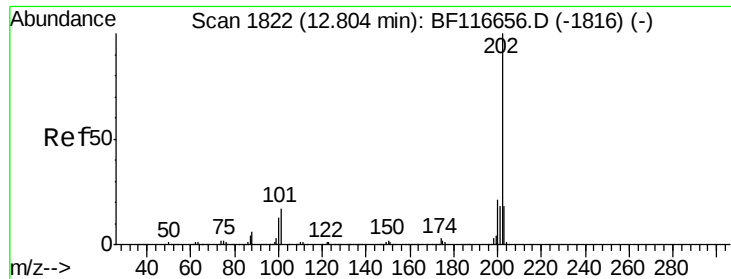
Delta R.T. 0.00 min

Lab File: BF116772.D

Acq: 3 Sep 2019 15:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	14.5	9.1	13.7#		
236	25.7	21.1	31.7		





#78

Pvrene

Concen: 13.421 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF116772.D

Acq: 3 Sep 2019 15:11

Instrument :

BNA_F

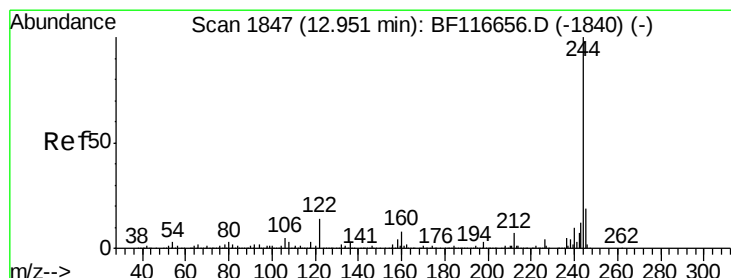
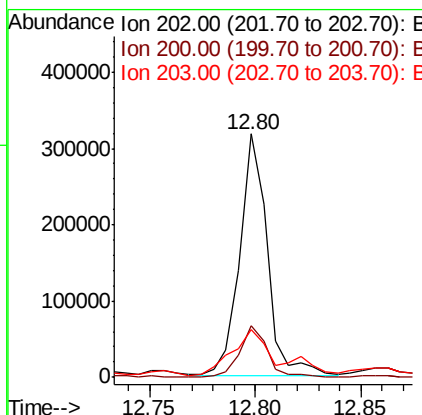
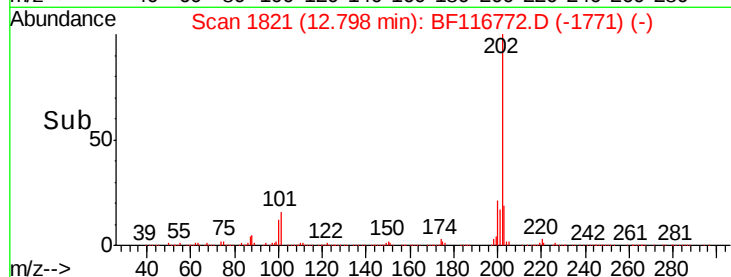
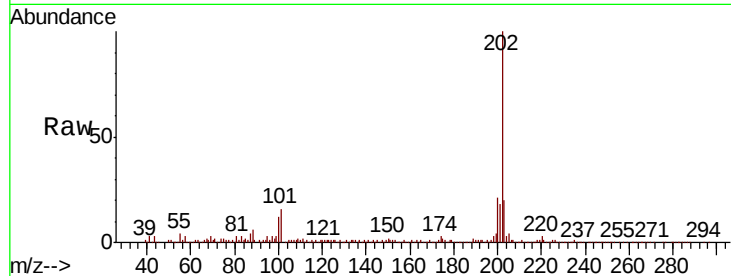
ClientSampleId :

SB-4-18-20

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.4	16.5	24.7		
203	19.8	13.7	20.5		

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#79

Terphenyl-d14

Concen: 63.267 ng

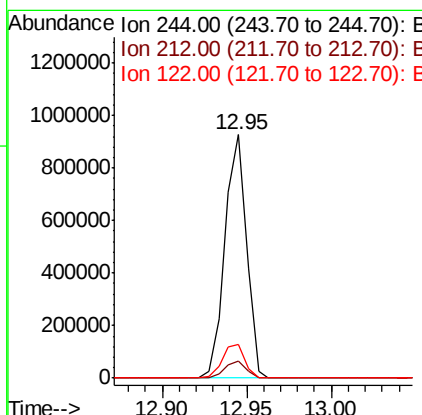
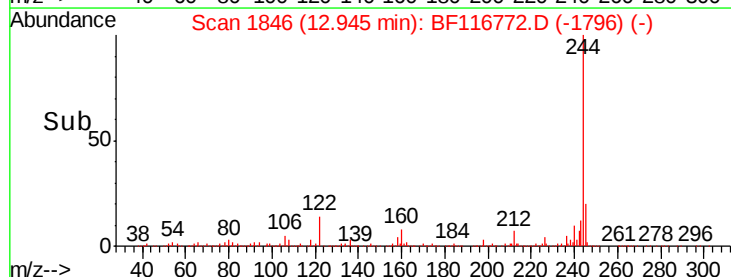
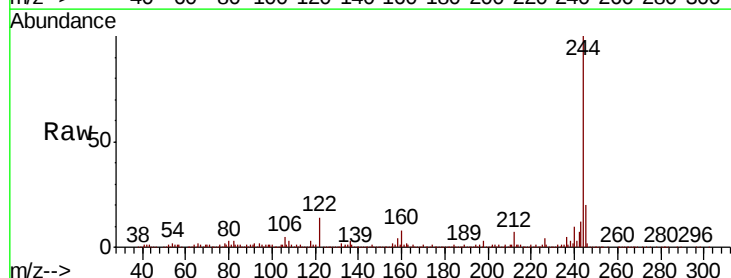
RT: 12.95 min Scan# 1846

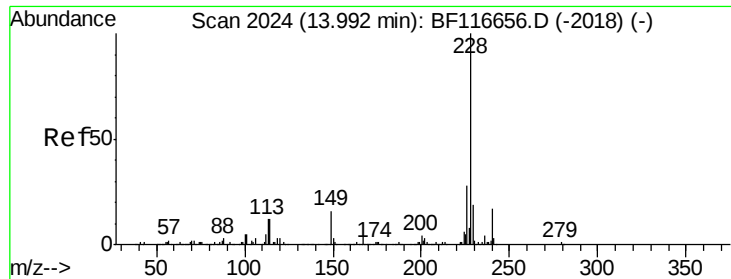
Delta R.T. -0.01 min

Lab File: BF116772.D

Acq: 3 Sep 2019 15:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	7.0	6.1	9.1		
122	13.8	10.2	15.4		





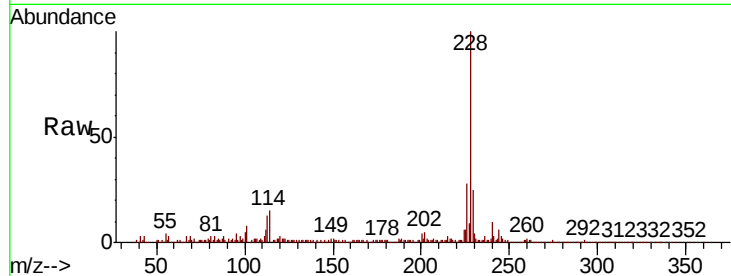
#81
Benzo(a)anthracene
Concen: 29.507 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116772.D
Acq: 3 Sep 2019 15:11

Instrument :
BNA_F
ClientSampleId :
SB-4-18-20

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.0	33.0
229	24.8	16.4	24.6

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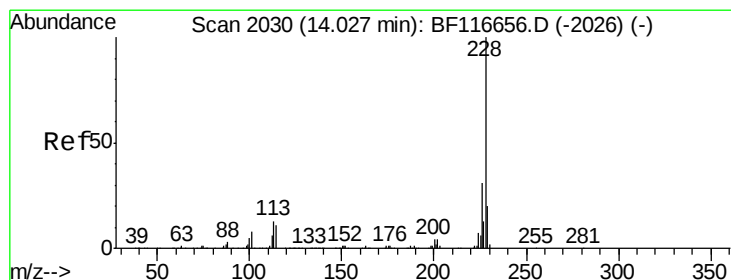
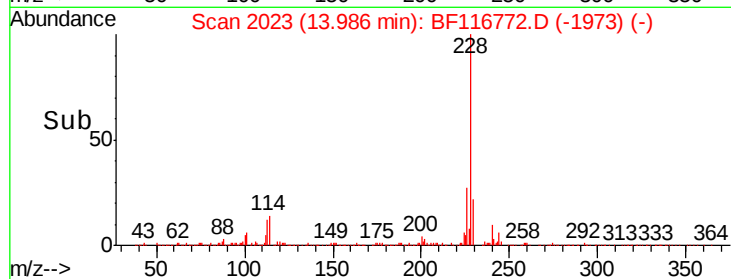
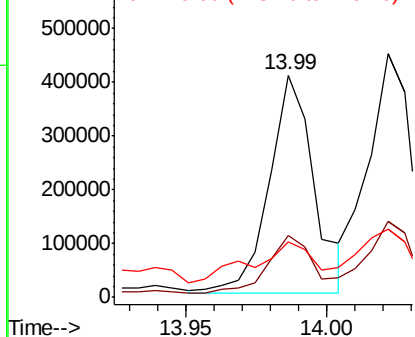


Abundance

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: 30.971 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF116772.D
Acq: 3 Sep 2019 15:11

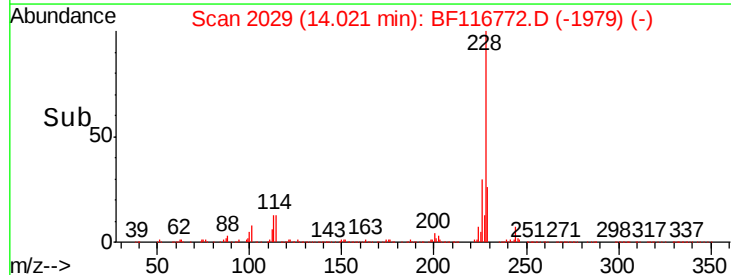
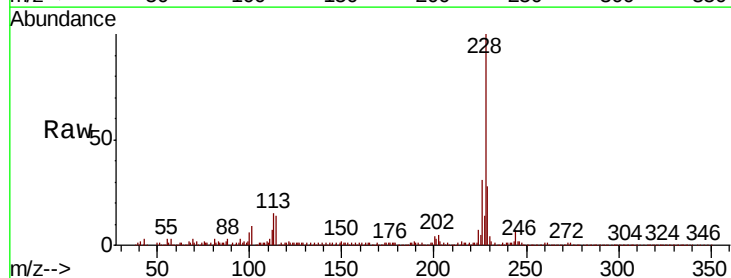
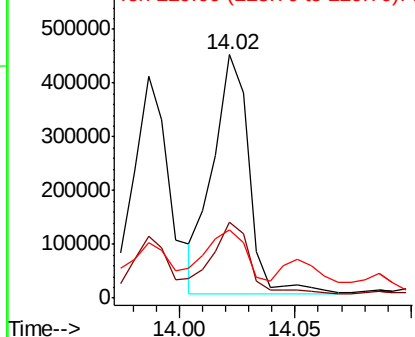
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.0	36.0
229	28.0	15.4	23.0

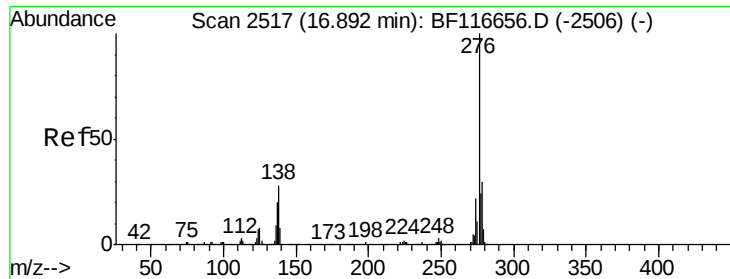
Abundance

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





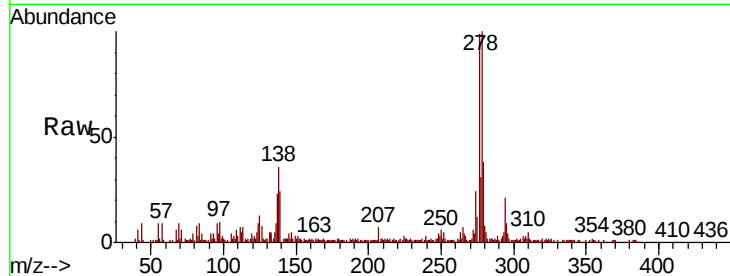
#86
Indeno(1,2,3-cd)pyrene
Concen: 14.607 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.03 min
Lab File: BF116772.D
Acq: 3 Sep 2019 15:11

Instrument :
BNA_F
ClientSampleId :
SB-4-18-20

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	41.7	19.4	29.2#	
277	31.6	20.5	30.7#	

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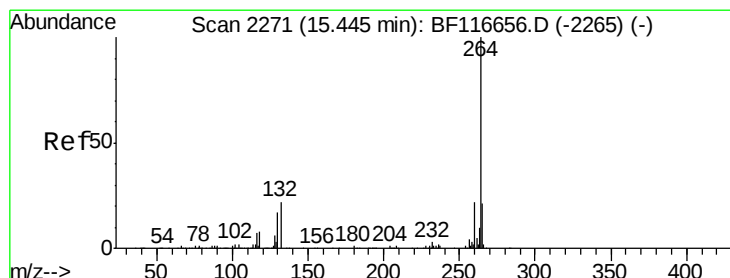
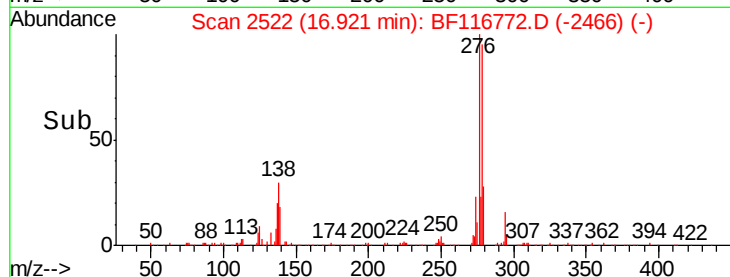
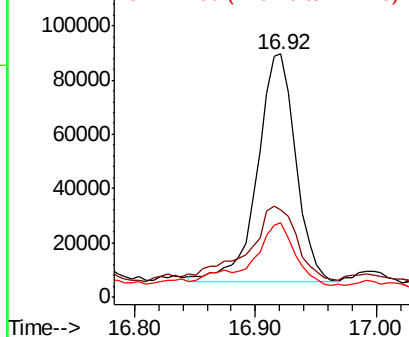


Abundance

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
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF116772.D
Acq: 3 Sep 2019 15:11

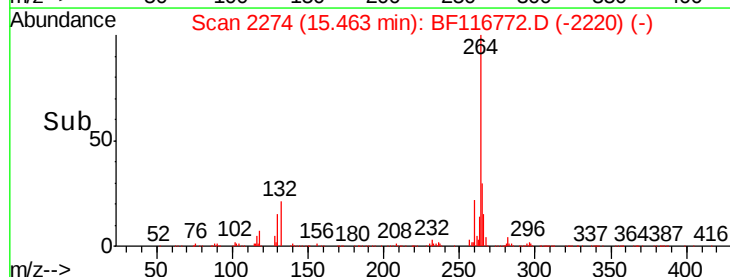
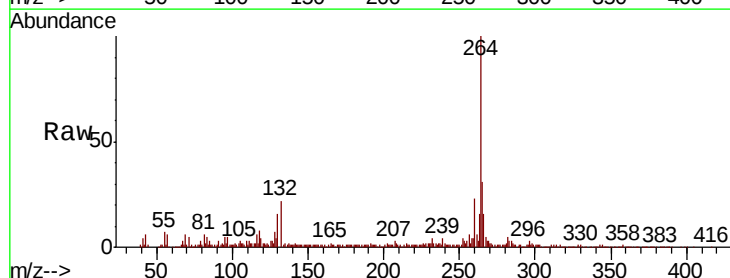
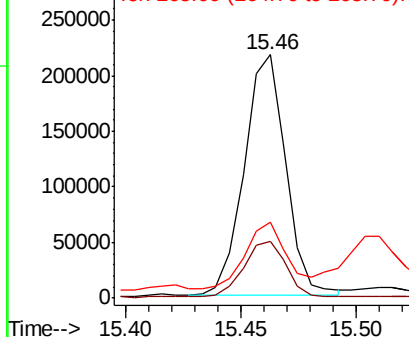
Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.2	18.3	27.5	
265	31.1	16.5	24.7#	

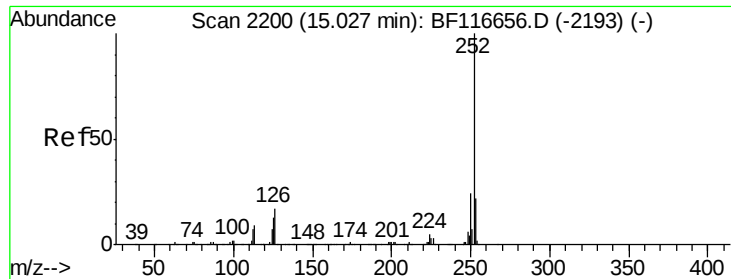
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 16.223 ng m

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF116772.D

Acq: 3 Sep 2019 15:11

Instrument :

BNA_F

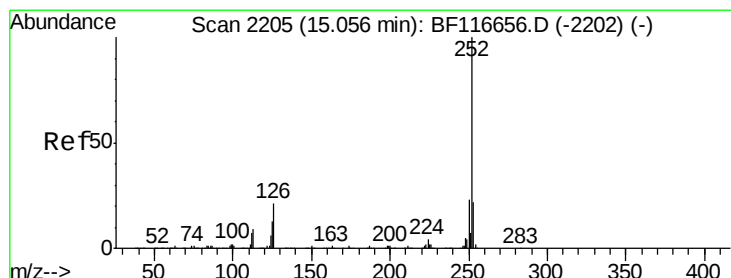
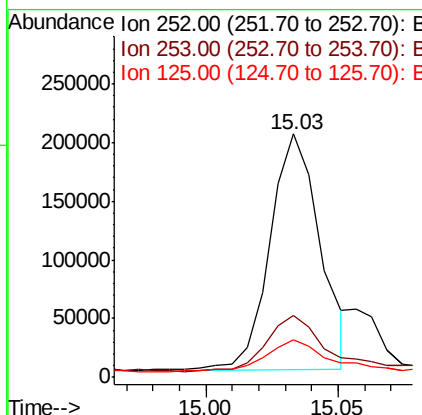
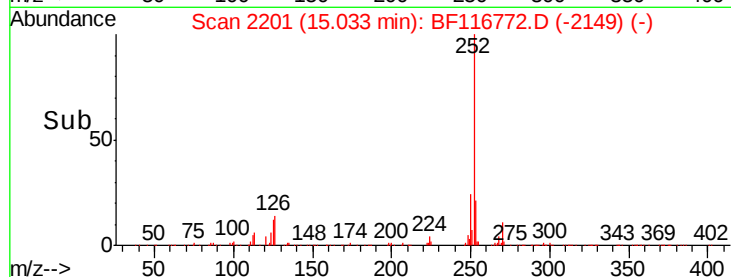
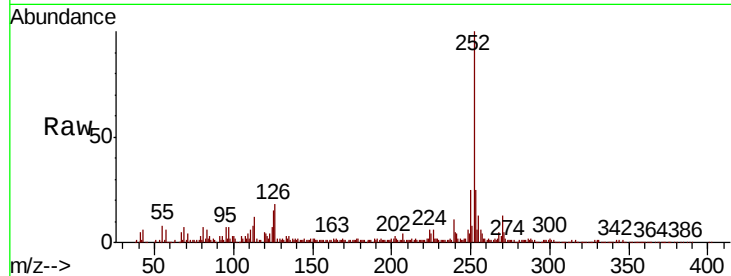
ClientSampleId :

SB-4-18-20

Tot Ion:	252	Resp:	268094
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.7	26.5
125	15.3	8.2	12.2#

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#89

Benzo(k)fluoranthene

Concen: 2.739 ng m

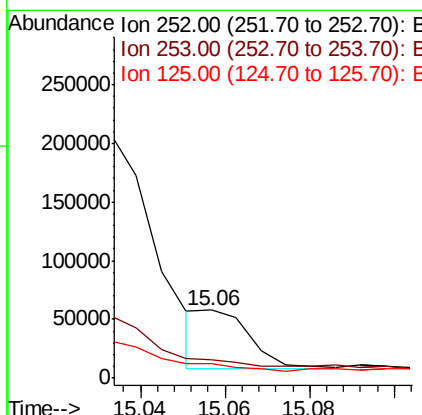
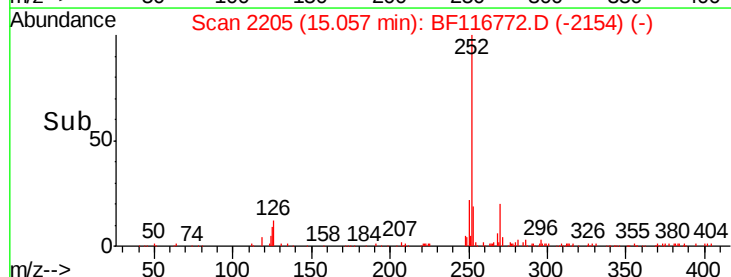
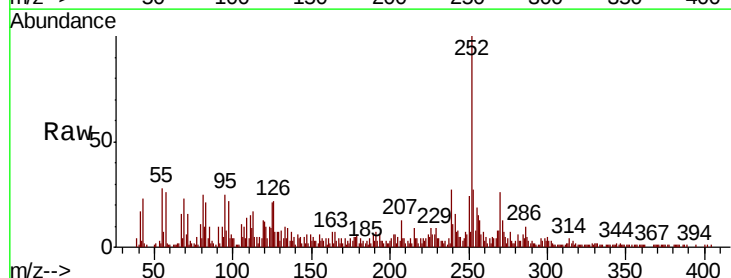
RT: 15.06 min Scan# 2205

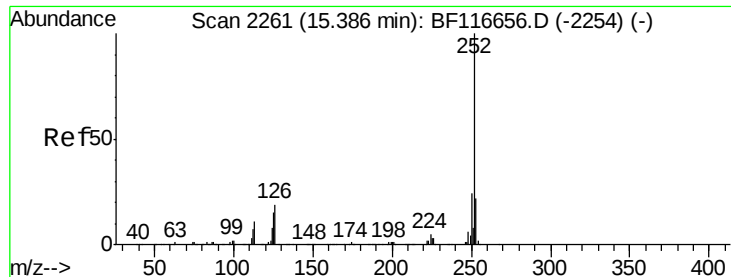
Delta R.T. 0.00 min

Lab File: BF116772.D

Acq: 3 Sep 2019 15:11

Tgt Ion:	252	Resp:	41273
Ion Ratio	Lower	Upper	
252	100		
253	27.5	17.7	26.5#
125	21.1	8.6	13.0#





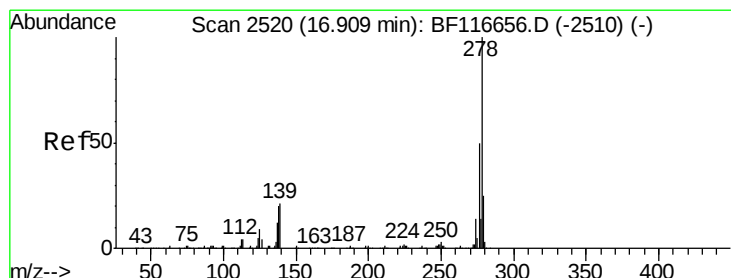
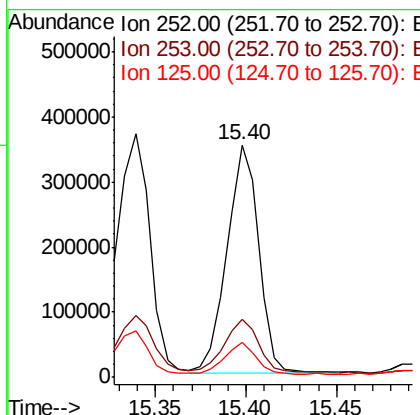
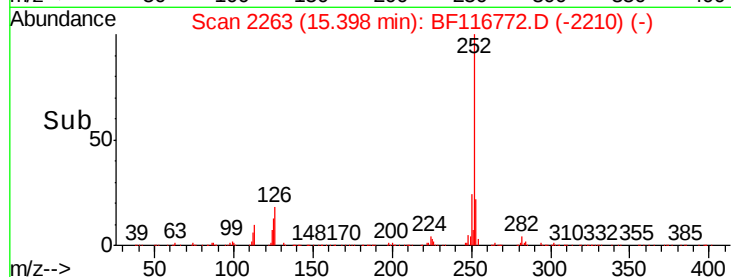
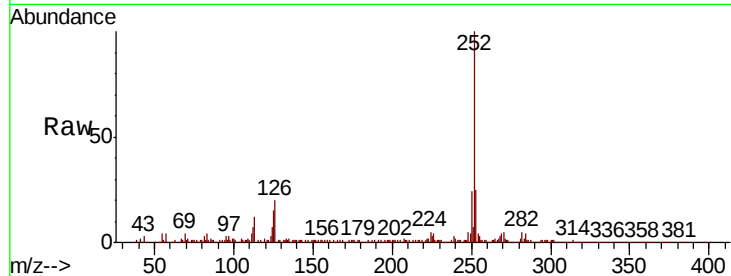
#90
Benzo(a)pyrene
Concen: 29.761 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116772.D
Acq: 3 Sep 2019 15:11

Instrument :
BNA_F
ClientSampleId :
SB-4-18-20

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.1	27.1
125	14.9	9.8	14.8#

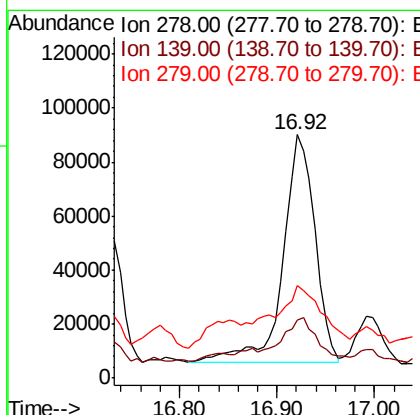
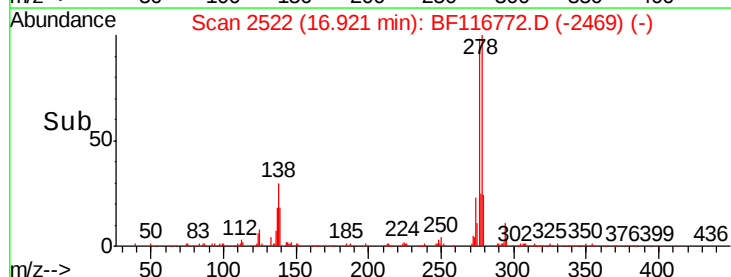
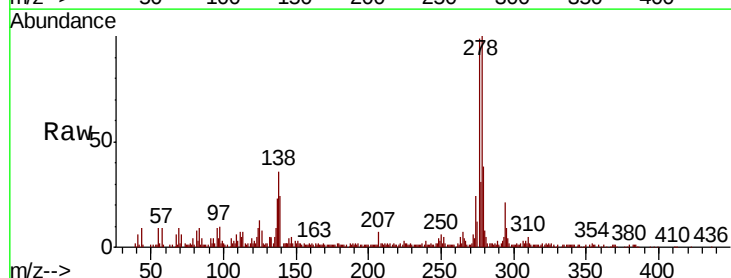
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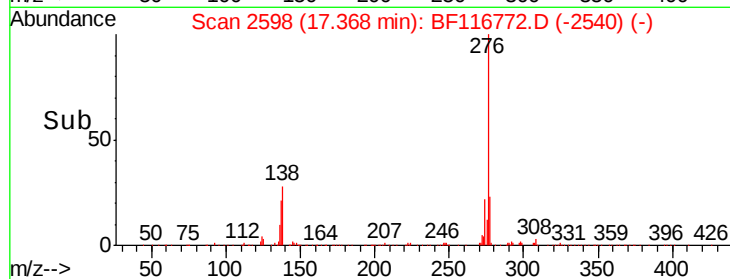
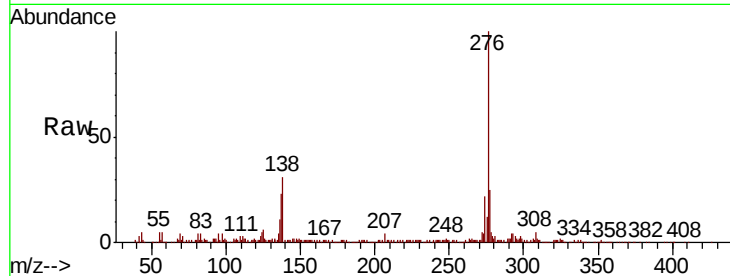
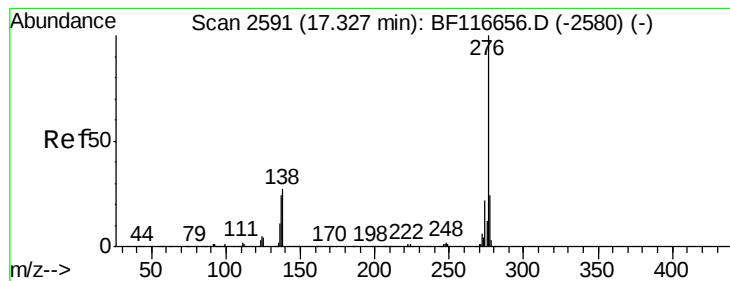
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 15.240 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BF116772.D
Acq: 3 Sep 2019 15:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.6	12.4	18.6#
279	37.8	18.2	27.4#





#92

Benzo(a,h,i)perylene

Concen: 29.540 ng

RT: 17.37 min Scan# 2598

Delta R.T. 0.04 min

Lab File: BF116772.D

Acq: 3 Sep 2019 15:11

Instrument :

BNA_F

ClientSampleId :

SB-4-18-20

Tot Ion: 276 Resp: 379138

Ion Ratio Lower Upper

276 100

277 24.6 18.5 27.7

138 30.6 16.2 24.2

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