

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116635.D
 Acq On : 29 Aug 2019 00:35
 Operator : HP/JU
 Sample : K4573-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S700B-N-0.0-0.5-082719

Manual Integrations
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Quant Time: Aug 29 04:17:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 13:34:15 2019
 Response via : Initial Calibration

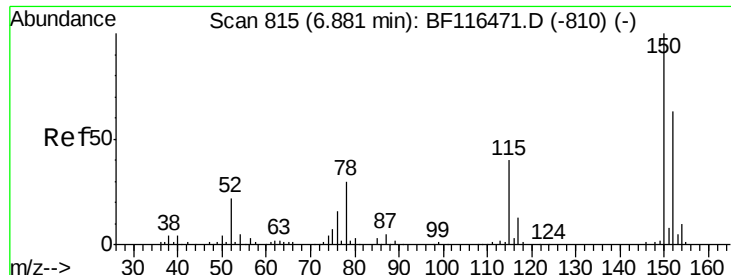
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	89394	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	385284	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	96204	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	166505	20.00	ng	0.00
76) Chrysene-d12	14.01	240	95902	20.00	ng	0.00
87) Perylene-d12	15.47	264	112591	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	505461	97.66	ng	0.00
7) Phenol-d6	6.49	99	691343	98.53	ng	0.00
23) Nitrobenzene-d5	7.42	82	469625	69.75	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	96125	105.00	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	439867	76.09	ng	0.00
79) Terphenyl-d14	12.96	244	407626	69.13	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	36983	4.805	ng	97
50) Dimethylphthalate	9.60	163	36012	5.568	ng	99
71) Phenanthrene	11.40	178	136043	15.212	ng	99
72) Anthracene	11.45	178	26828	3.000	ng	97
73) Carbazole	11.60	167	17512	2.301	ng	97
75) Fluoranthene	12.59	202	228610	28.502	ng	99
78) Pyrene	12.82	202	181745	20.609	ng	97
81) Benzo(a)anthracene	14.00	228	78151	12.223	ng	97
83) Chrysene	14.03	228	85267	13.622	ng	98
86) Indeno(1,2,3-cd)pyrene	16.91	276	73807	17.558	ng	94
88) Benzo(b)fluoranthene	15.04	252	120744m	17.463	ng	
89) Benzo(k)fluoranthene	15.06	252	37782m	5.749	ng	
90) Benzo(a)pyrene	15.40	252	73042	11.837	ng	97
91) Dibenzo(a,h)anthracene	16.92	278	20500	3.560	ng	97
92) Benzo(a,h,i)perylene	17.35	276	60953	10.181	ng	97

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

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ALS Vial : 17 Sample Multiplier: 1



#1

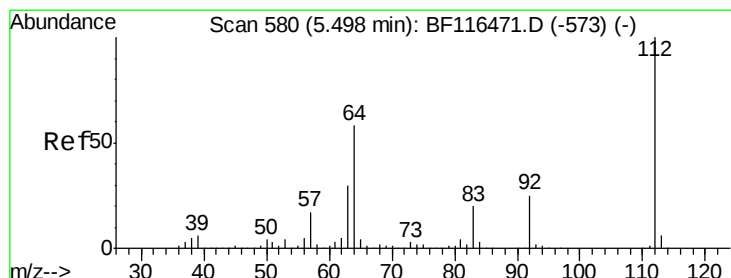
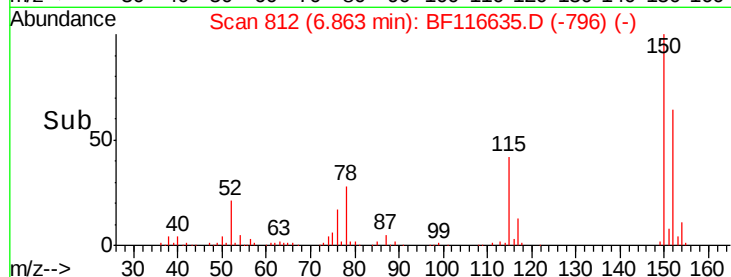
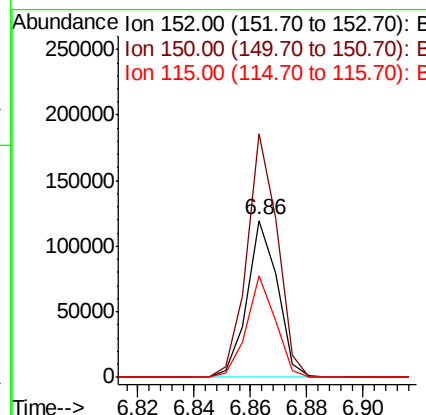
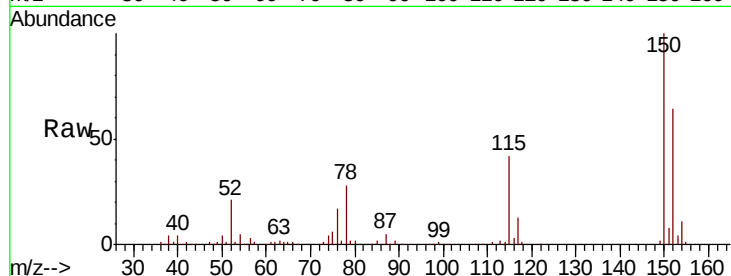
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :
S700B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	123.4	185.2
115	64.5	48.2	72.2

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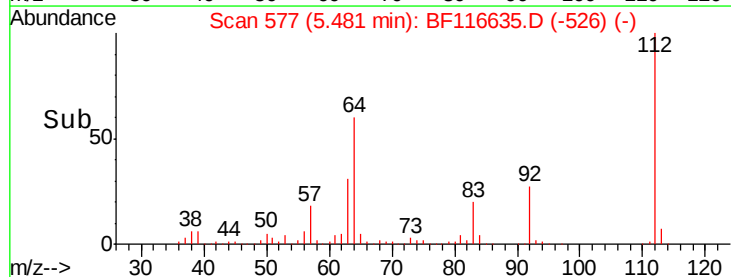
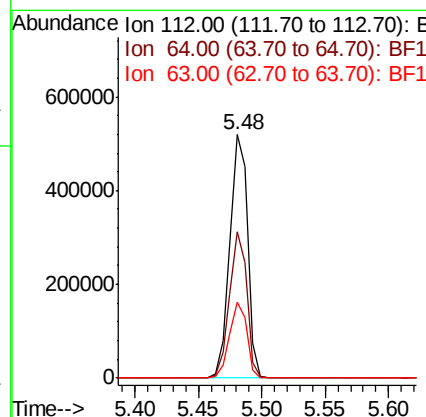
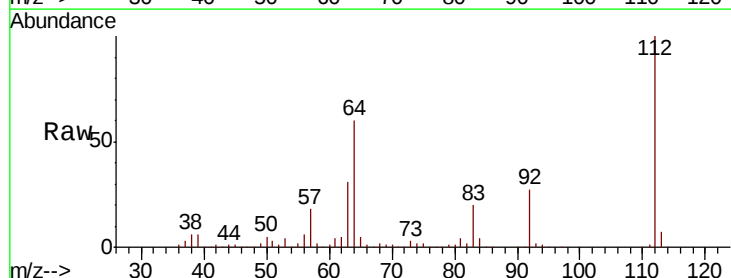
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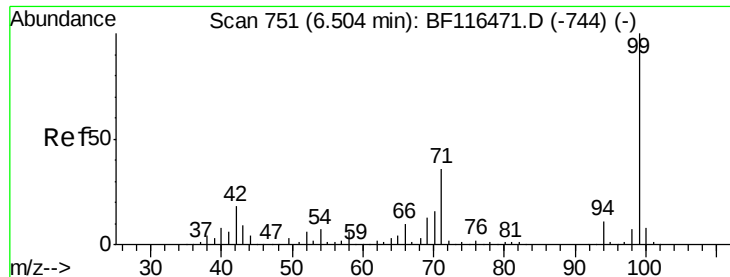


#5

2-Fluorophenol
Concen: 97.663 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	48.0	72.0
63	31.3	24.6	36.8





#7

Phenol-d6

Concen: 98.527 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF116635.D

Acq: 29 Aug 2019 00:35

Instrument :

BNA_F

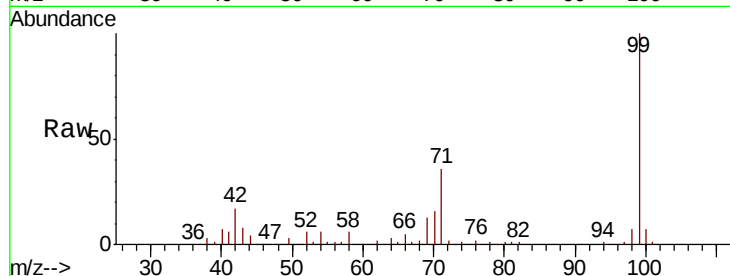
ClientSampleId :

S700B-N-0.0-0.5-082719

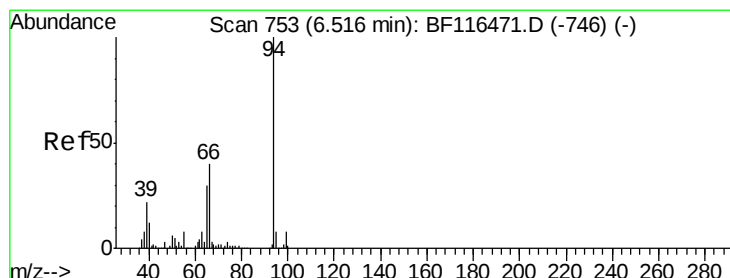
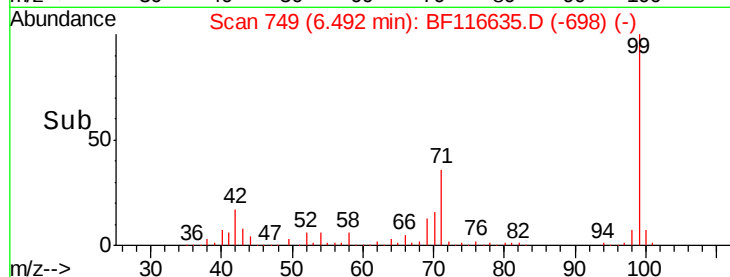
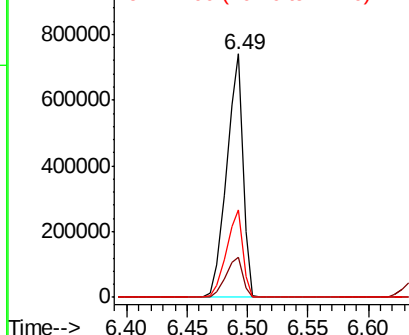
Tot Ion:	99	Resp:	691343
Ion Ratio	Lower	Upper	
99	100		
42	16.7	13.2	19.8
71	36.0	27.4	41.2

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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: 4.805 ng

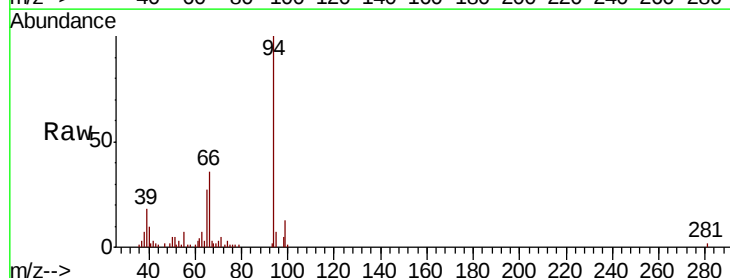
RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

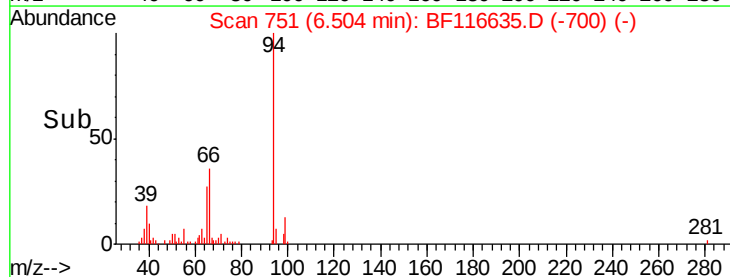
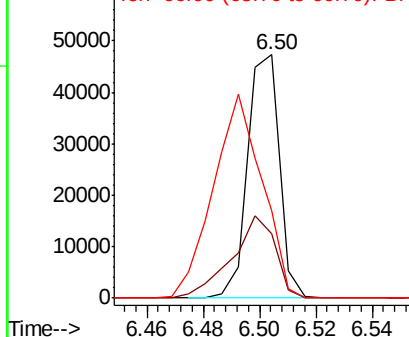
Lab File: BF116635.D

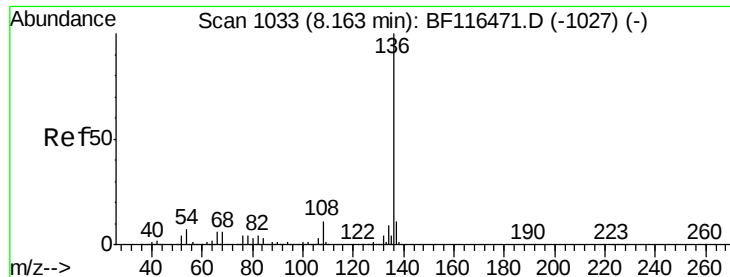
Acq: 29 Aug 2019 00:35

Tgt Ion:	94	Resp:	36983
Ion Ratio	Lower	Upper	
94	100		
65	26.5	8.6	48.6
66	36.2	18.0	58.0



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





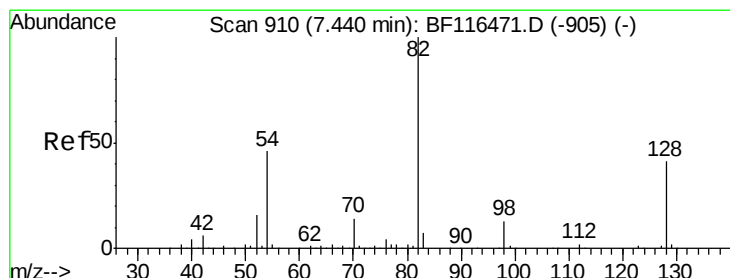
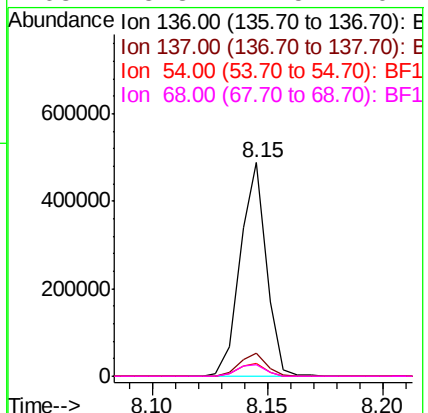
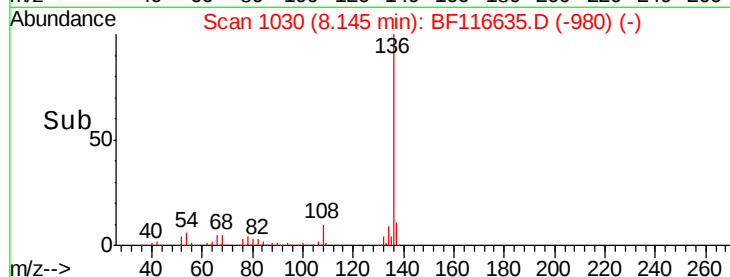
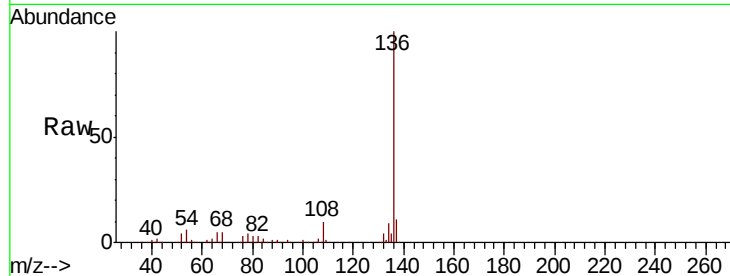
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :
S700B-N-0.0-0.5-082719

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.7	13.1	
54	6.3	5.0	7.4	
68	5.3	4.5	6.7	

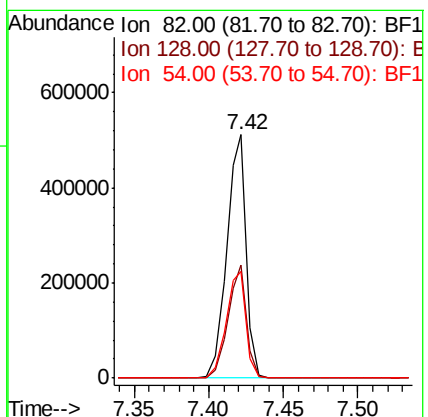
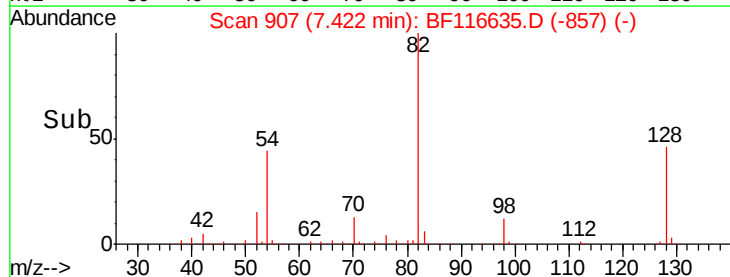
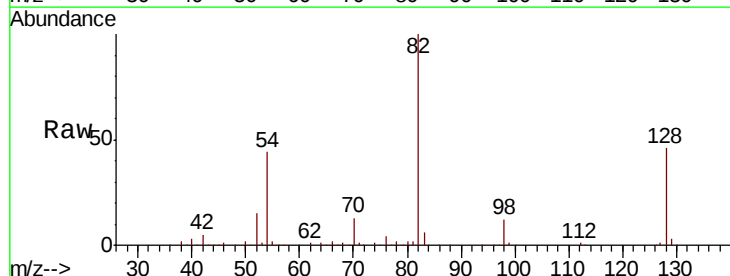
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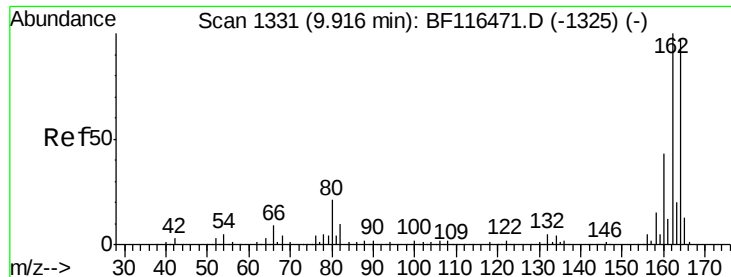
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#23
Nitrobenzene-d5
Concen: 69.746 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.3	35.0	52.6	
54	43.7	34.4	51.6	





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF116635.D

Acq: 29 Aug 2019 00:35

Instrument :

BNA_F

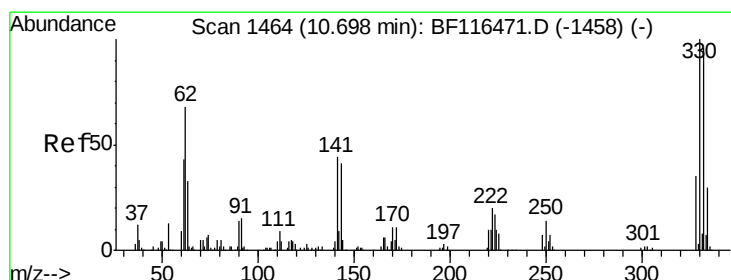
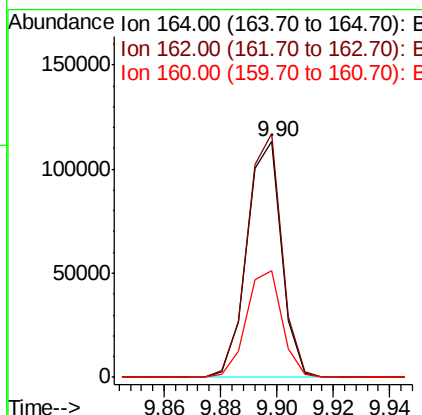
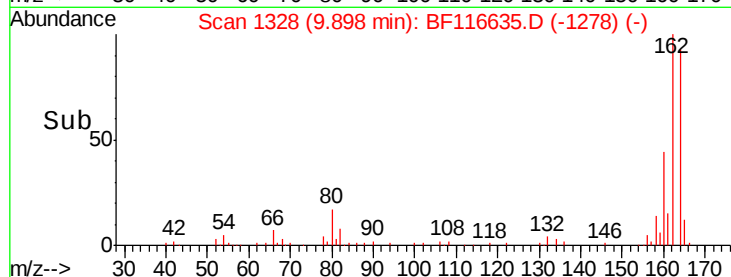
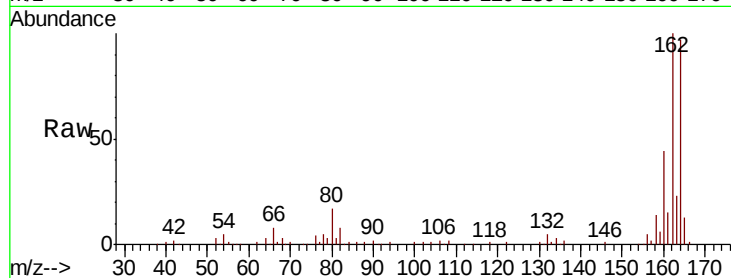
ClientSampleId :

S700B-N-0.0-0.5-082719

Tot Ion:	164	Resp:	96204
Ion Ratio	Lower	Upper	
164	100		
162	103.3	83.4	125.0
160	45.1	37.0	55.4

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#42

2,4,6-Tribromophenol

Concen: 104.999 ng

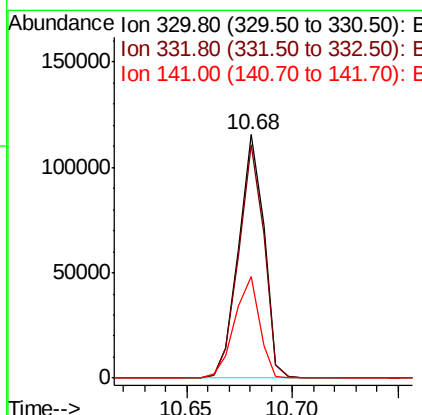
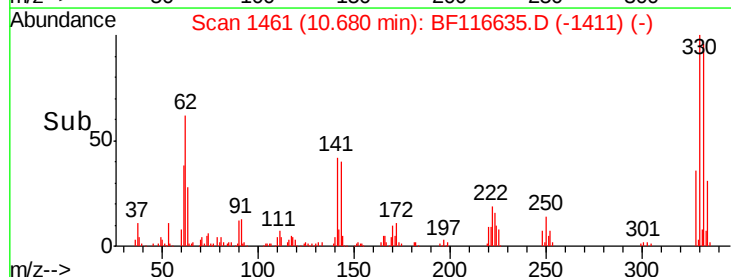
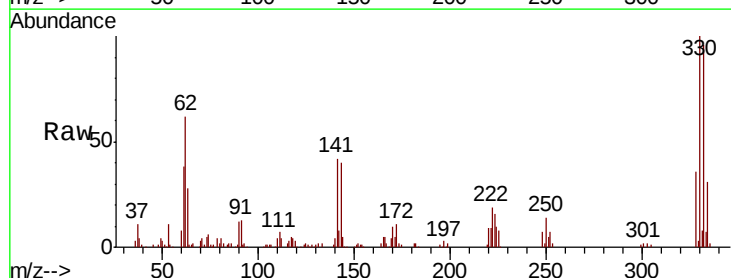
RT: 10.68 min Scan# 1461

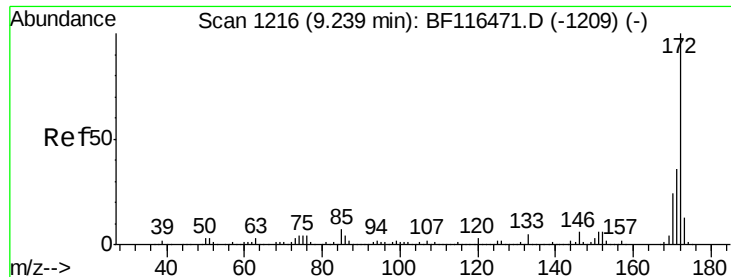
Delta R.T. -0.01 min

Lab File: BF116635.D

Acq: 29 Aug 2019 00:35

Tgt Ion:	330	Resp:	96125
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.5	116.3
141	40.8	28.2	42.2





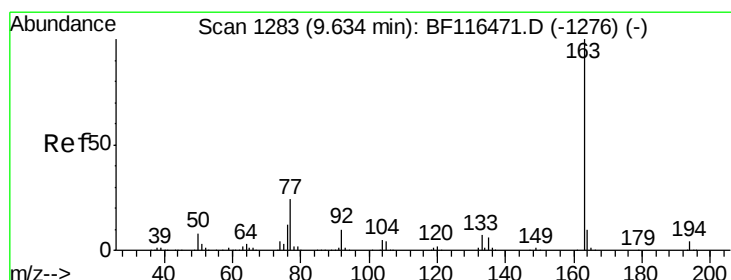
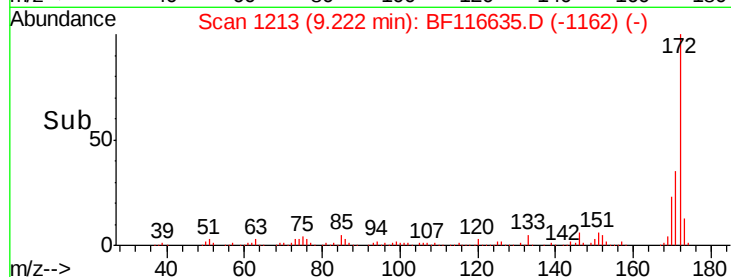
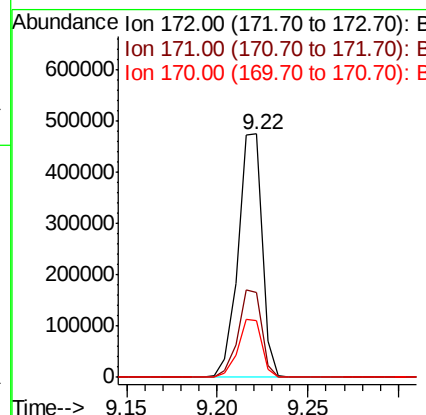
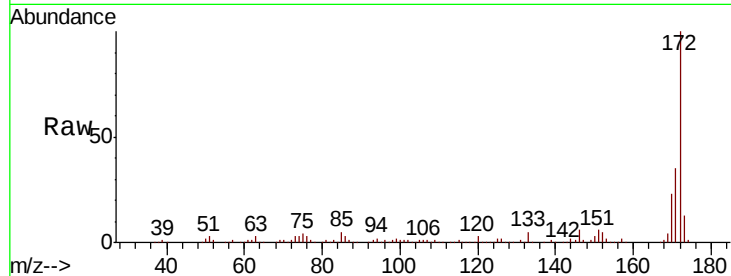
#45
2-Fluorobiphenyl
Concen: 76.091 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :
S700B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.6
170	23.3	19.3	28.9

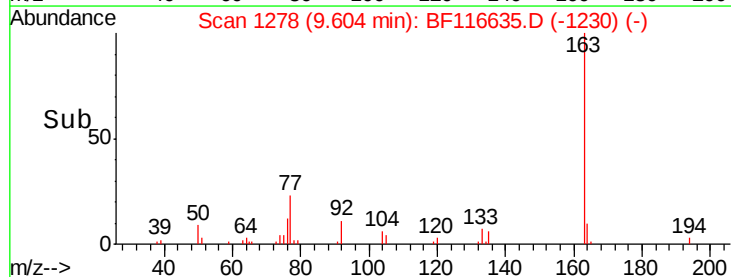
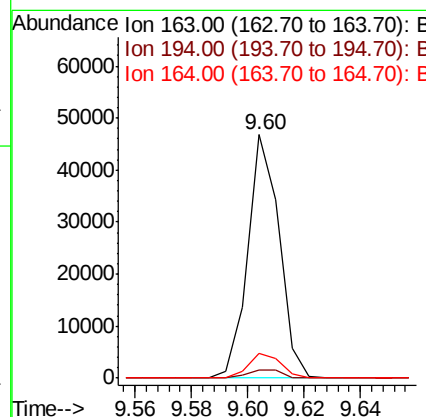
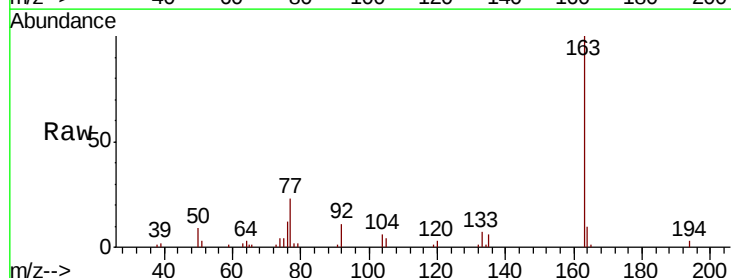
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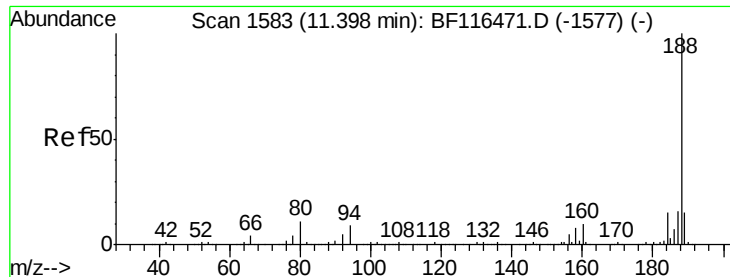
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#50
Dimethylphthalate
Concen: 5.568 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.6
164	10.0	8.2	12.2





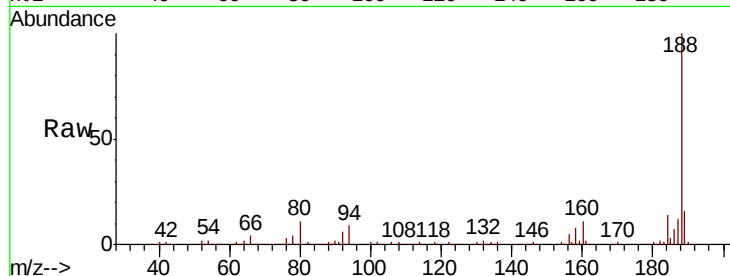
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :
S700B-N-0.0-0.5-082719

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.4	8.2	12.4
80	11.0	8.9	13.3

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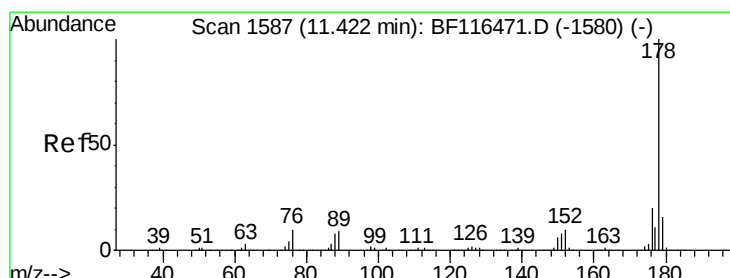
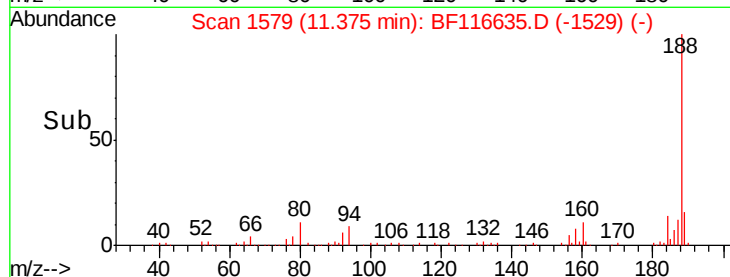
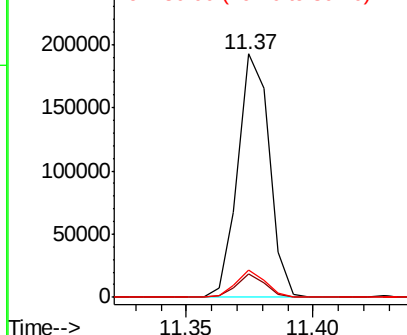


Abundance

Ion 188.00 (187.70 to 188.70): E

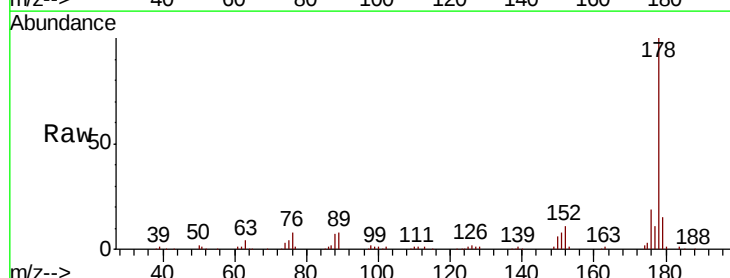
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71
Phenanthrene
Concen: 15.212 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.0	12.4	18.6

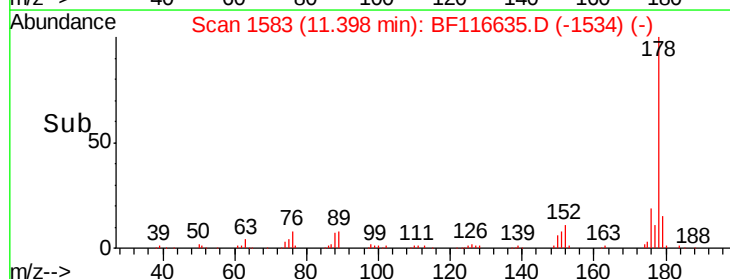
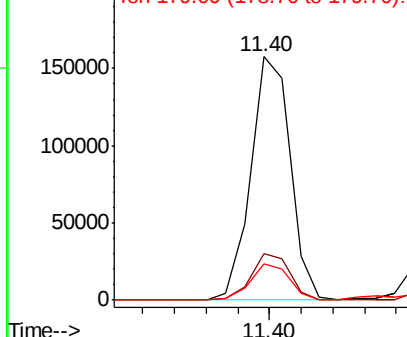


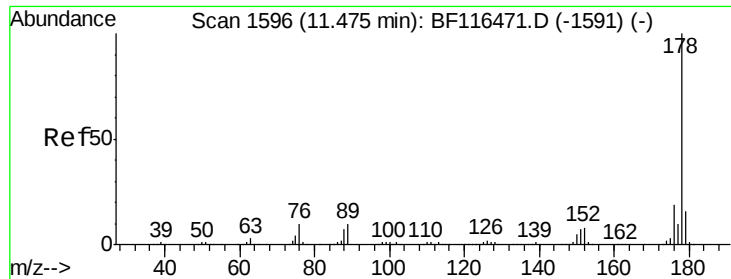
Abundance

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: 3.000 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF116635.D

Acq: 29 Aug 2019 00:35

Instrument :

BNA_F

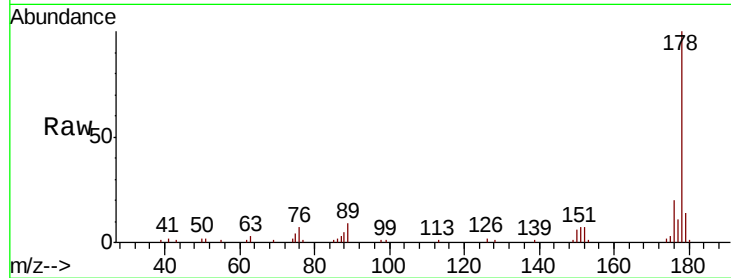
ClientSampleId :

S700B-N-0.0-0.5-082719

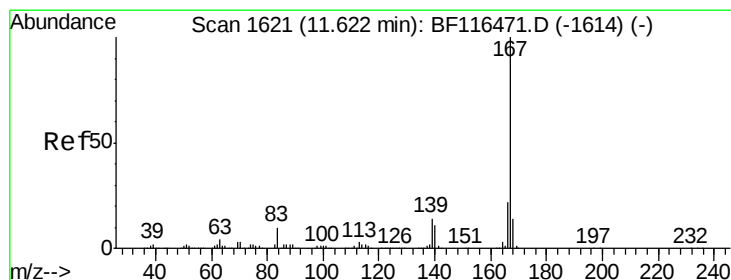
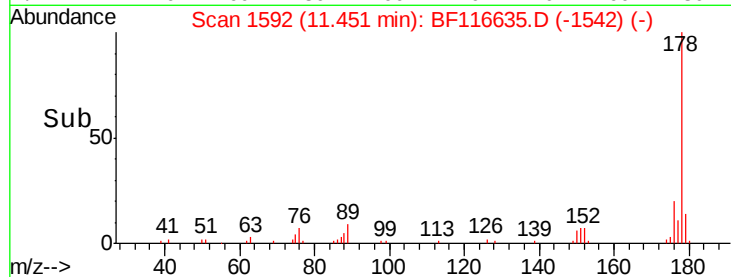
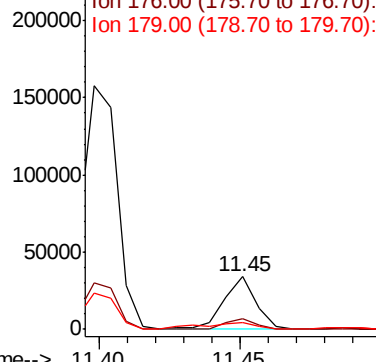
Tot Ion:	178	Resp:	26828
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.1	22.7
179	14.0	12.7	19.1

Manual Integrations
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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



#73

Carbazole

Concen: 2.301 ng

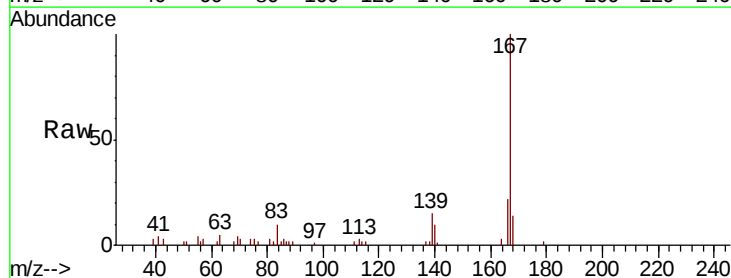
RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

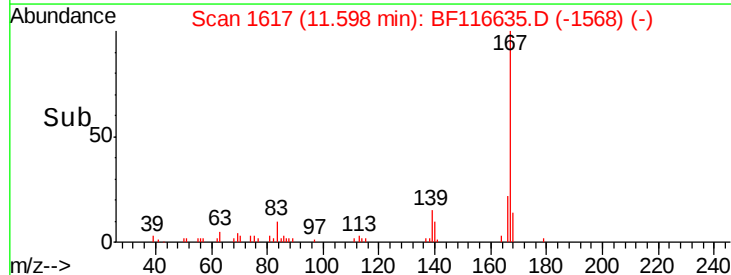
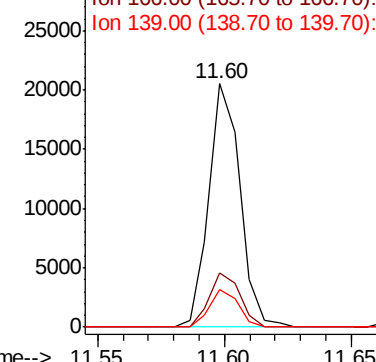
Lab File: BF116635.D

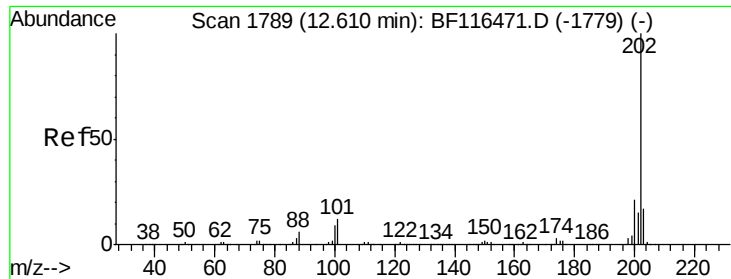
Acq: 29 Aug 2019 00:35

Tgt Ion:	167	Resp:	17512
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.9	26.9
139	15.2	10.3	15.5



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 28.502 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF116635.D

Acq: 29 Aug 2019 00:35

Instrument :

BNA_F

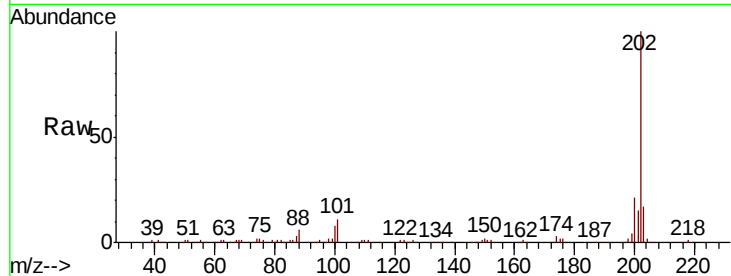
ClientSampleId :

S700B-N-0.0-0.5-082719

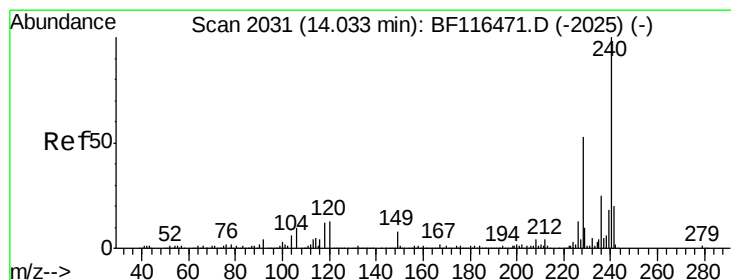
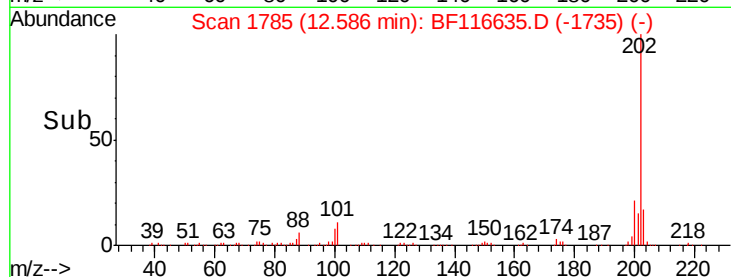
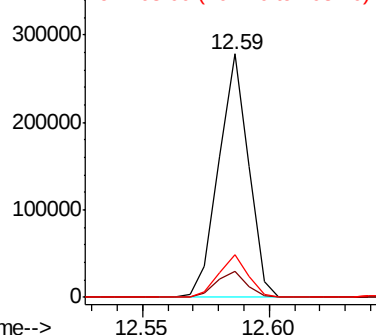
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		228610		
101	10.8	0.0	31.8		
203	17.3	0.0	37.1		

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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

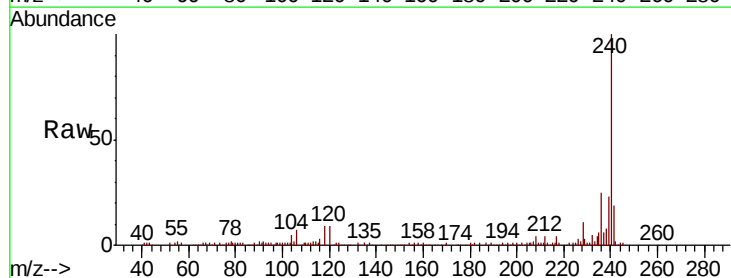
RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

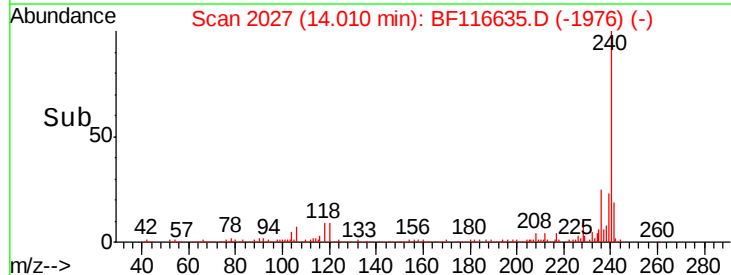
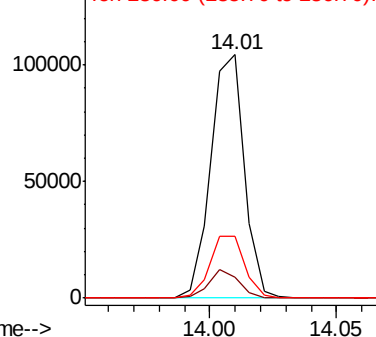
Lab File: BF116635.D

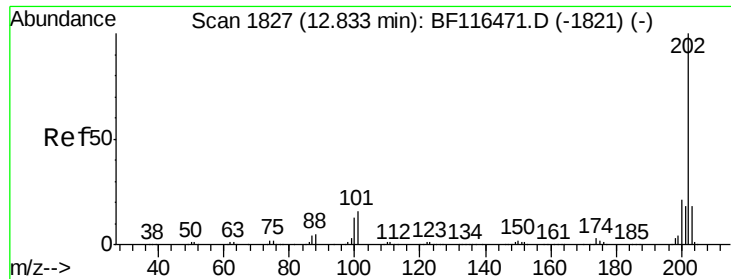
Acq: 29 Aug 2019 00:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		95902		
120	8.8	11.3	16.9#		
236	25.5	21.4	32.2		



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





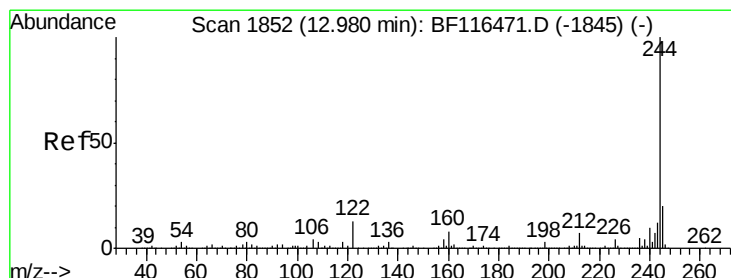
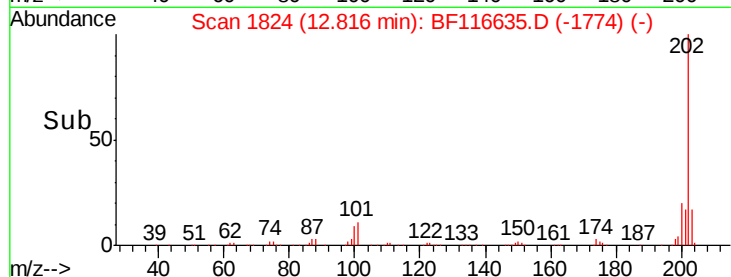
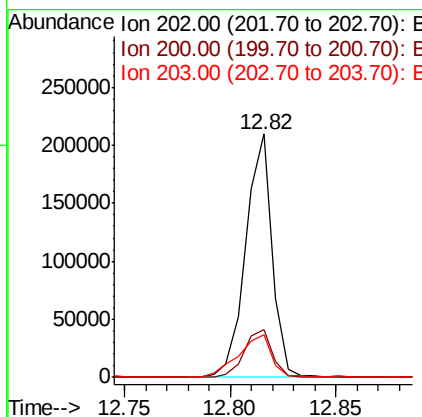
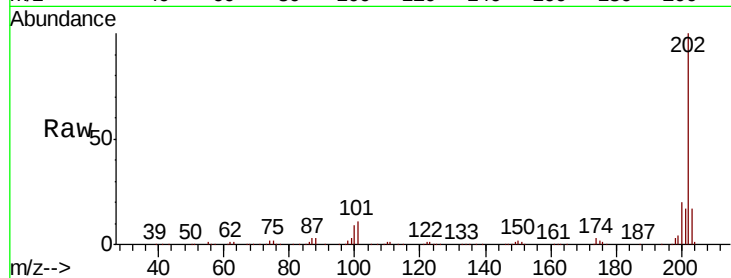
#78
Pvrene
Concen: 20.609 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :
S700B-N-0.0-0.5-082719

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		181745		
200	19.8	17.4	26.0		
203	17.3	14.2	21.4		

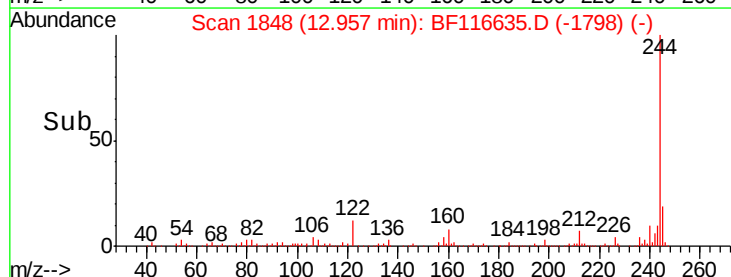
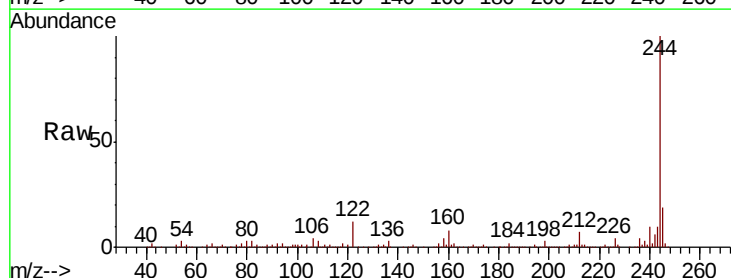
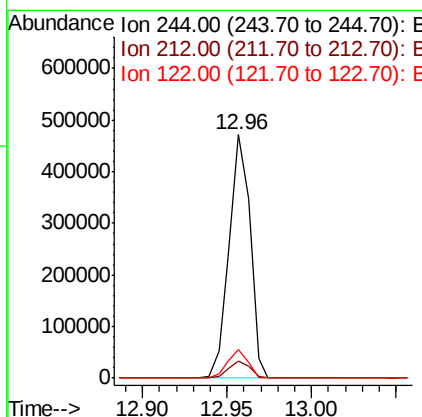
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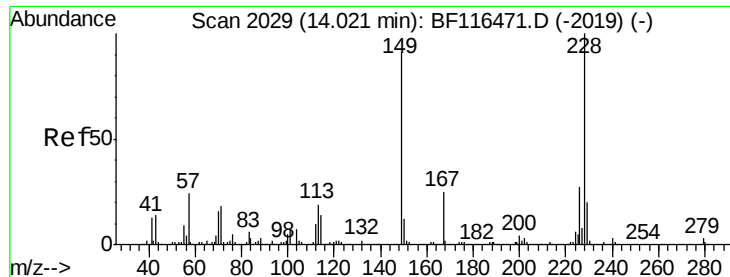
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#79
Terphenyl-d14
Concen: 69.127 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		407626		
212	7.1	5.9	8.9		
122	11.9	10.0	15.0		





#81

Benzo(a)anthracene

Concen: 12.223 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF116635.D

Acq: 29 Aug 2019 00:35

Instrument :

BNA_F

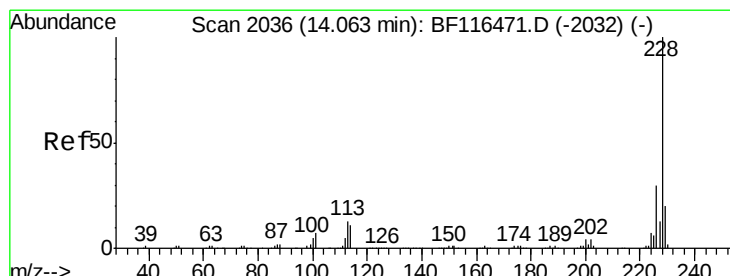
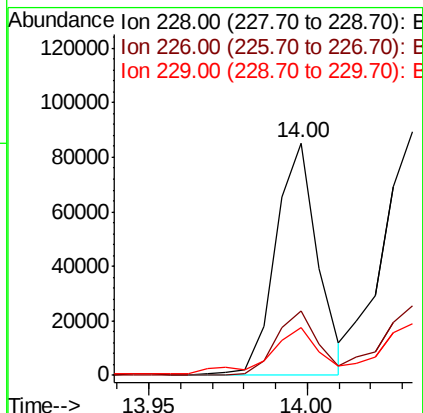
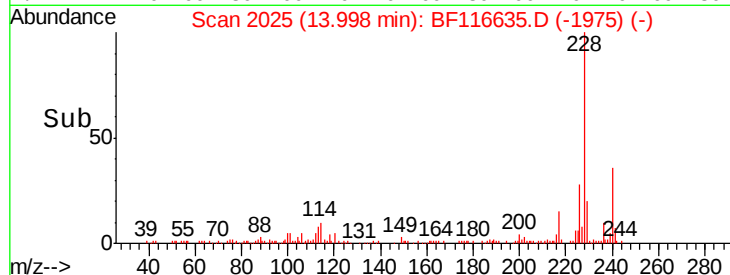
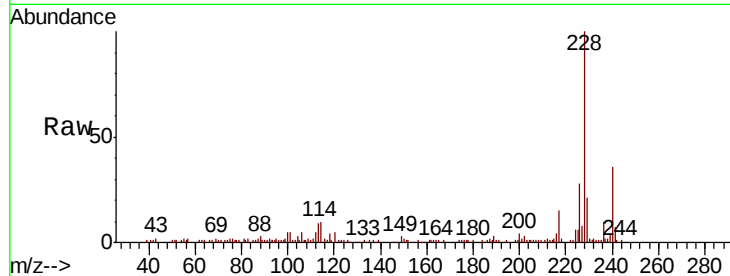
ClientSampleId :

S700B-N-0.0-0.5-082719

Tot Ion:	228	Resp:	78151
Ion Ratio	Lower	Upper	
228	100		
226	27.9	21.5	32.3
229	20.7	15.4	23.0

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#83

Chrysene

Concen: 13.622 ng

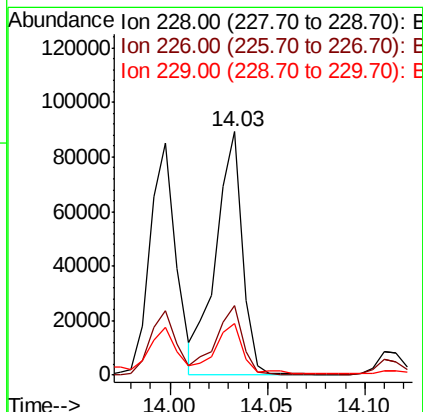
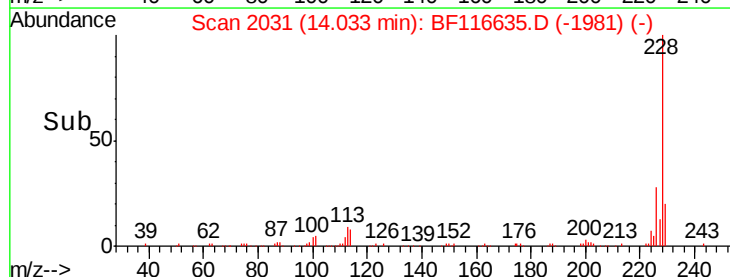
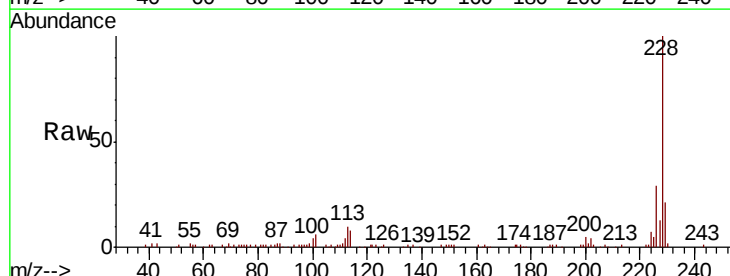
RT: 14.03 min Scan# 2031

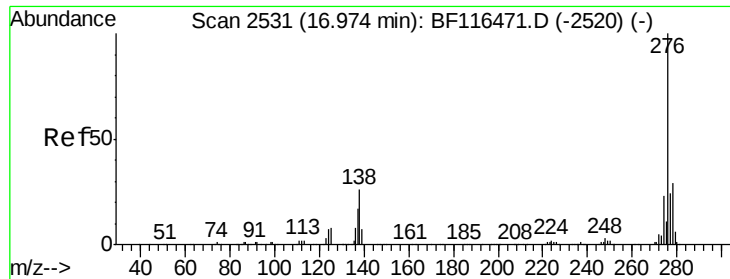
Delta R.T. -0.01 min

Lab File: BF116635.D

Acq: 29 Aug 2019 00:35

Tgt Ion:	228	Resp:	85267
Ion Ratio	Lower	Upper	
228	100		
226	28.8	24.0	36.0
229	21.0	15.8	23.8





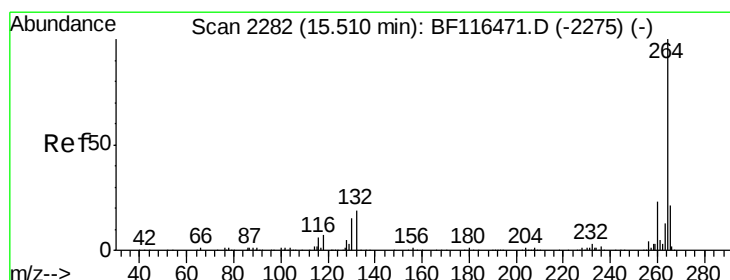
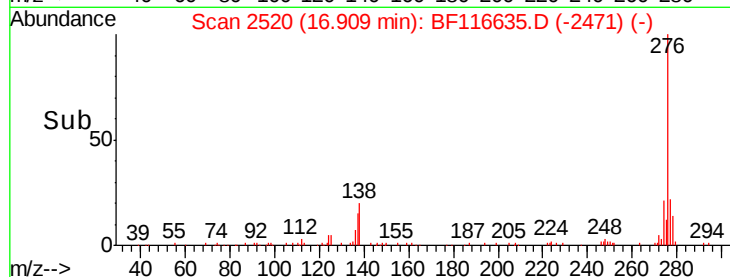
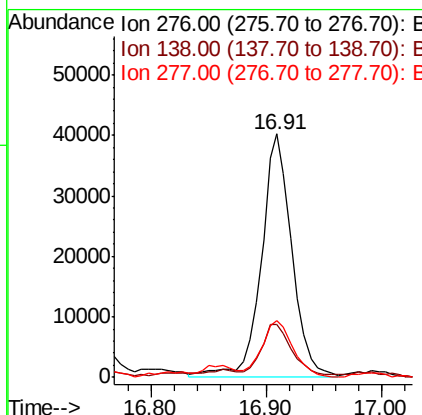
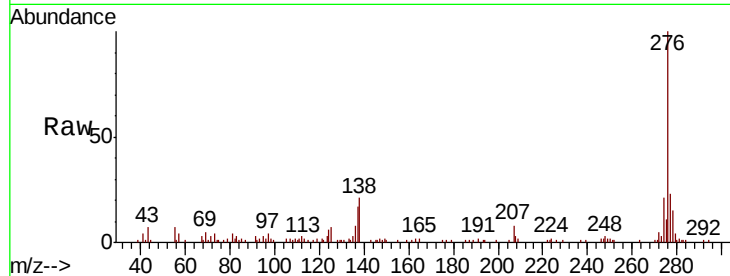
#86
Indeno(1,2,3-cd)pyrene
Concen: 17.558 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :
S700B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.6	21.5	32.3
277	24.5	20.0	30.0

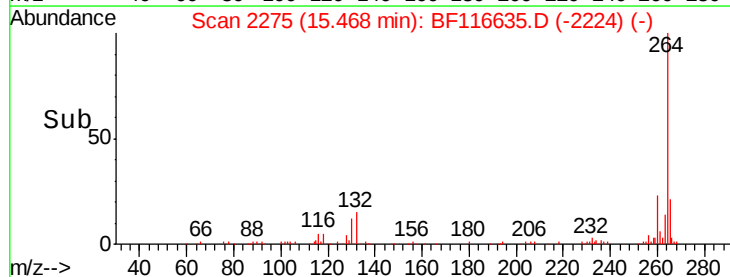
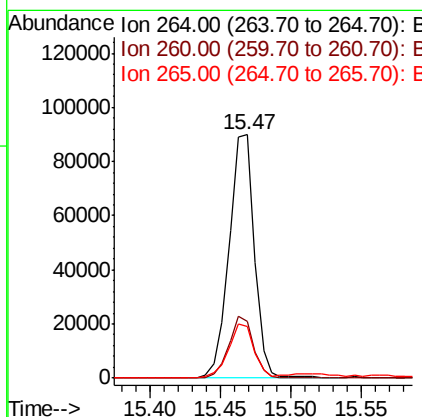
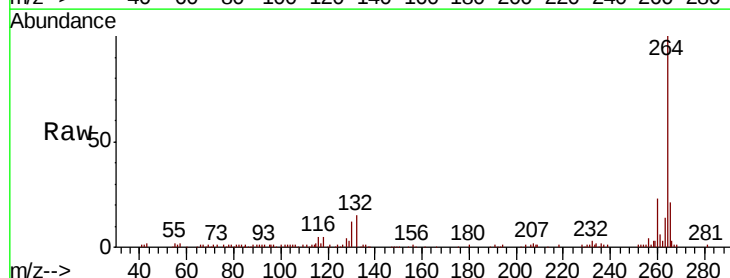
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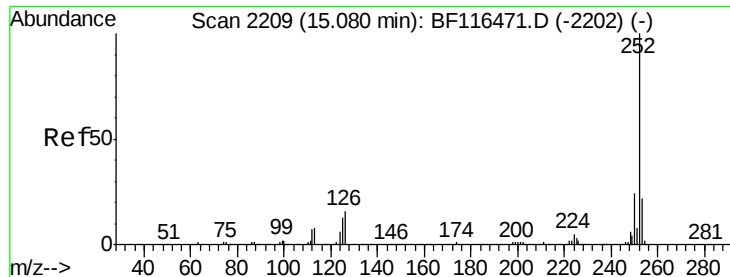
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	20.0	30.0
265	21.2	17.6	26.4





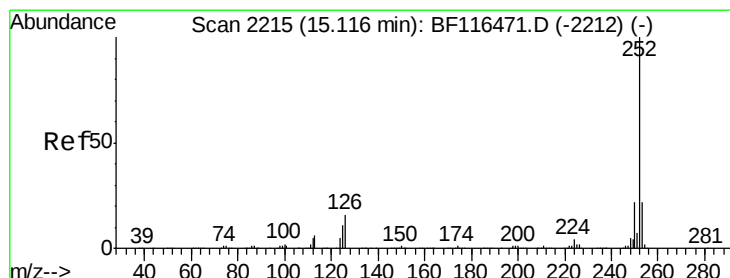
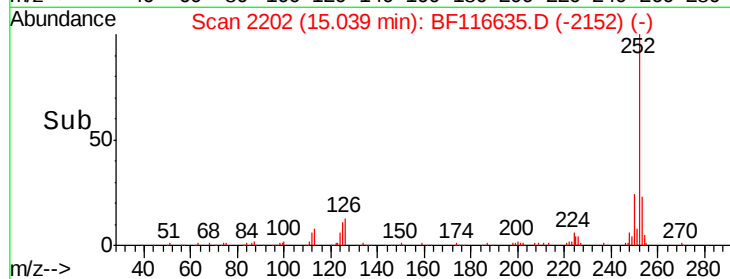
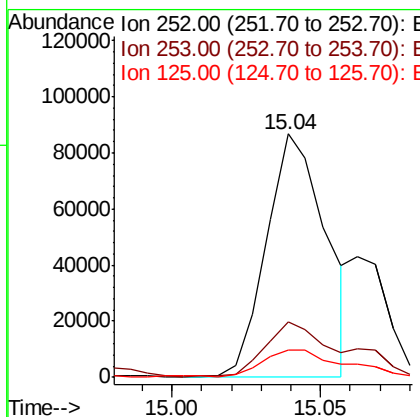
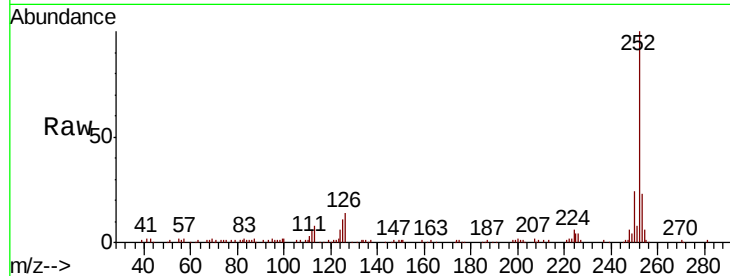
#88
Benzo(b)fluoranthene
Concen: 17.463 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :
S700B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	11.3	9.0	13.6

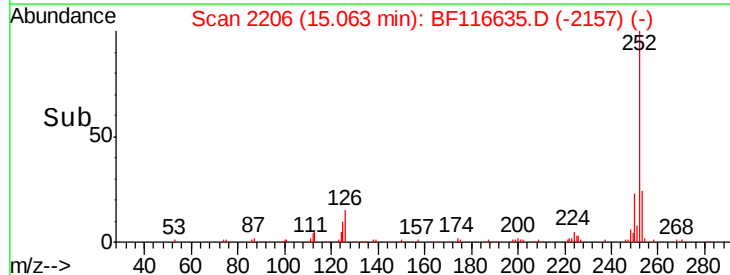
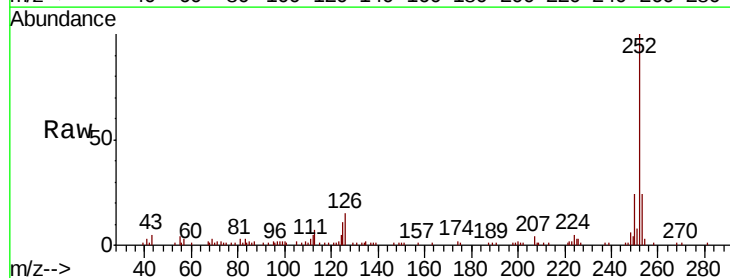
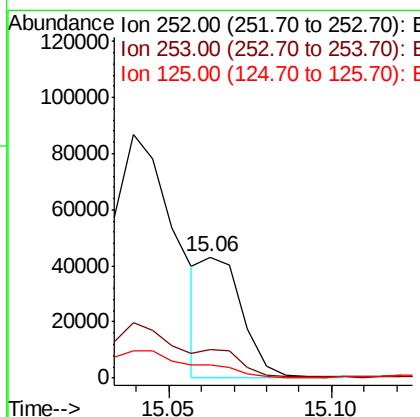
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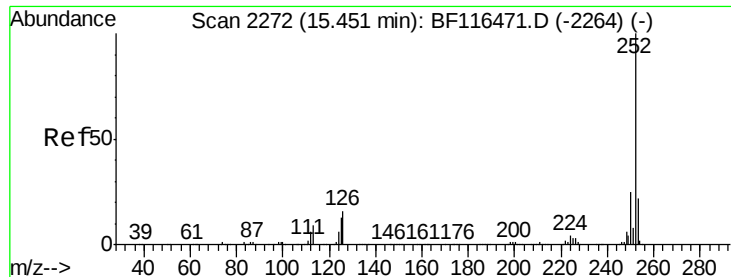
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#89
Benzo(k)fluoranthene
Concen: 5.749 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF116635.D
Acq: 29 Aug 2019 00:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	11.0	8.6	13.0





#90

Benzo(a)pyrene

Concen: 11.837 ng

RT: 15.40 min Scan# 2263

Delta R.T. -0.01 min

Lab File: BF116635.D

Acq: 29 Aug 2019 00:35

Instrument :

BNA_F

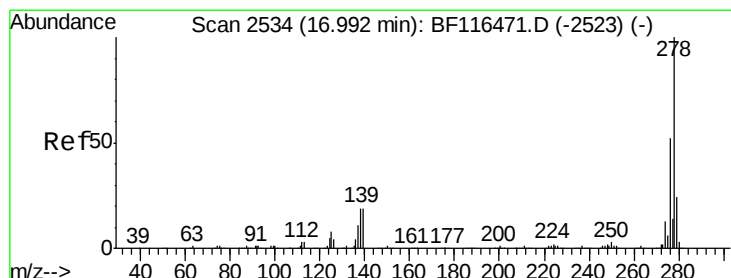
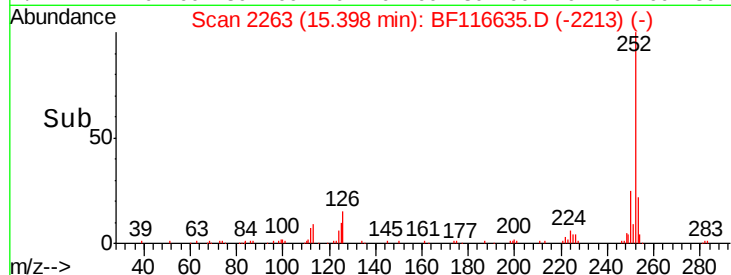
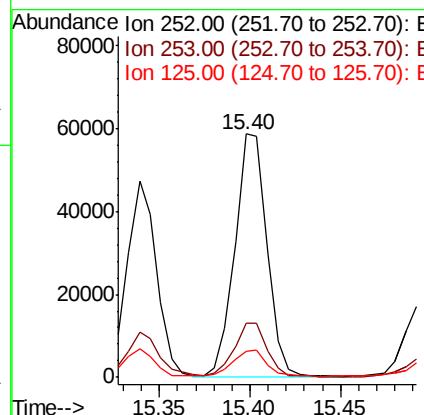
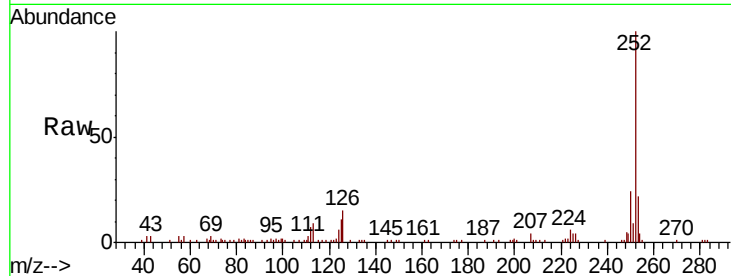
ClientSampleId :

S700B-N-0.0-0.5-082719

Tot Ion:	252	Resp:	73042
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.0
125	10.8	10.6	16.0

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#91

Dibenzo(a,h)anthracene

Concen: 3.560 ng

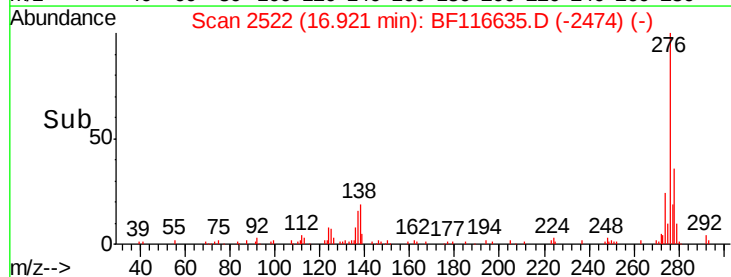
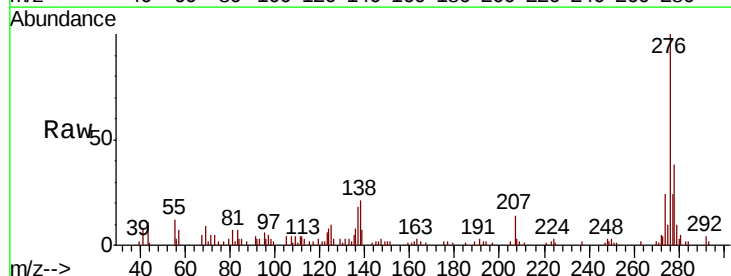
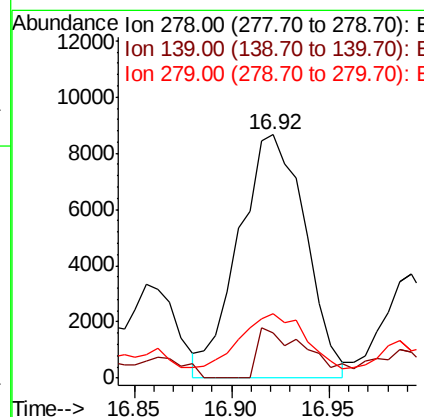
RT: 16.92 min Scan# 2522

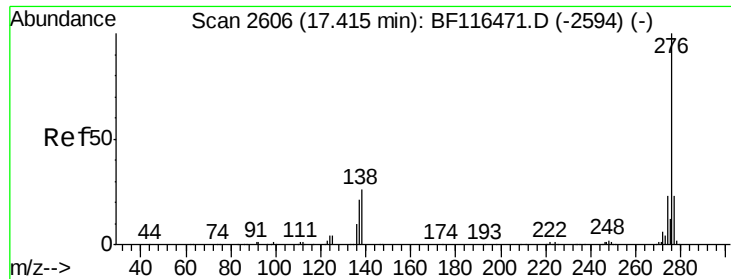
Delta R.T. -0.02 min

Lab File: BF116635.D

Acq: 29 Aug 2019 00:35

Tgt Ion:	278	Resp:	20500
Ion Ratio	Lower	Upper	
278	100		
139	18.7	14.1	21.1
279	26.3	19.5	29.3





#92
 Benzo(a,h,i)perylene
 Concen: 10.181 ng
 RT: 17.35 min Scan# 2595
 Delta R.T. -0.01 min
 Lab File: BF116635.D
 Acq: 29 Aug 2019 00:35

Instrument :
 BNA_F
 ClientSampleId :
 S700B-N-0.0-0.5-082719

Tot Ion:	276	Resp:	60953
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.0	28.4
138	20.0	18.2	27.2

Manual Integrations
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