

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116965.D
 Acq On : 11 Sep 2019 23:48
 Operator : HP/JU
 Sample : K4722-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S703-A1-N-1.0-1.5-090519

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:58:07 AM

Quant Time: Sep 12 07:43:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	70125	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	286136	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	149437	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	257758	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	178641	20.00	ng	-0.02
87) Perylene-d12	15.41	264	179784	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	409467	94.60	ng	-0.01
7) Phenol-d6	6.46	99	565522	99.50	ng	-0.02
23) Nitrobenzene-d5	7.38	82	349921	69.81	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	118697	118.81	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	644331	72.73	ng	-0.02
79) Terphenyl-d14	12.92	244	668674	69.25	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.57	163	100897	9.780	ng	Qvalue # 97
71) Phenanthrene	11.36	178	138690	9.666	ng	98
75) Fluoranthene	12.55	202	210595	14.935	ng	99
78) Pyrene	12.77	202	168935	10.638	ng	99
81) Benzo(a)anthracene	13.96	228	60278	5.331	ng	98
83) Chrysene	13.99	228	72183	6.197	ng	97
86) Indeno(1,2,3-cd)pyrene	16.84	276	39052	4.174	ng	96
88) Benzo(b)fluoranthene	14.99	252	80190m	7.378	ng	
89) Benzo(k)fluoranthene	15.02	252	27741m	2.799	ng	
90) Benzo(a)pyrene	15.35	252	50540	5.344	ng	98
92) Benzo(g,h,i)perylene	17.26	276	36327	4.303	ng	96

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

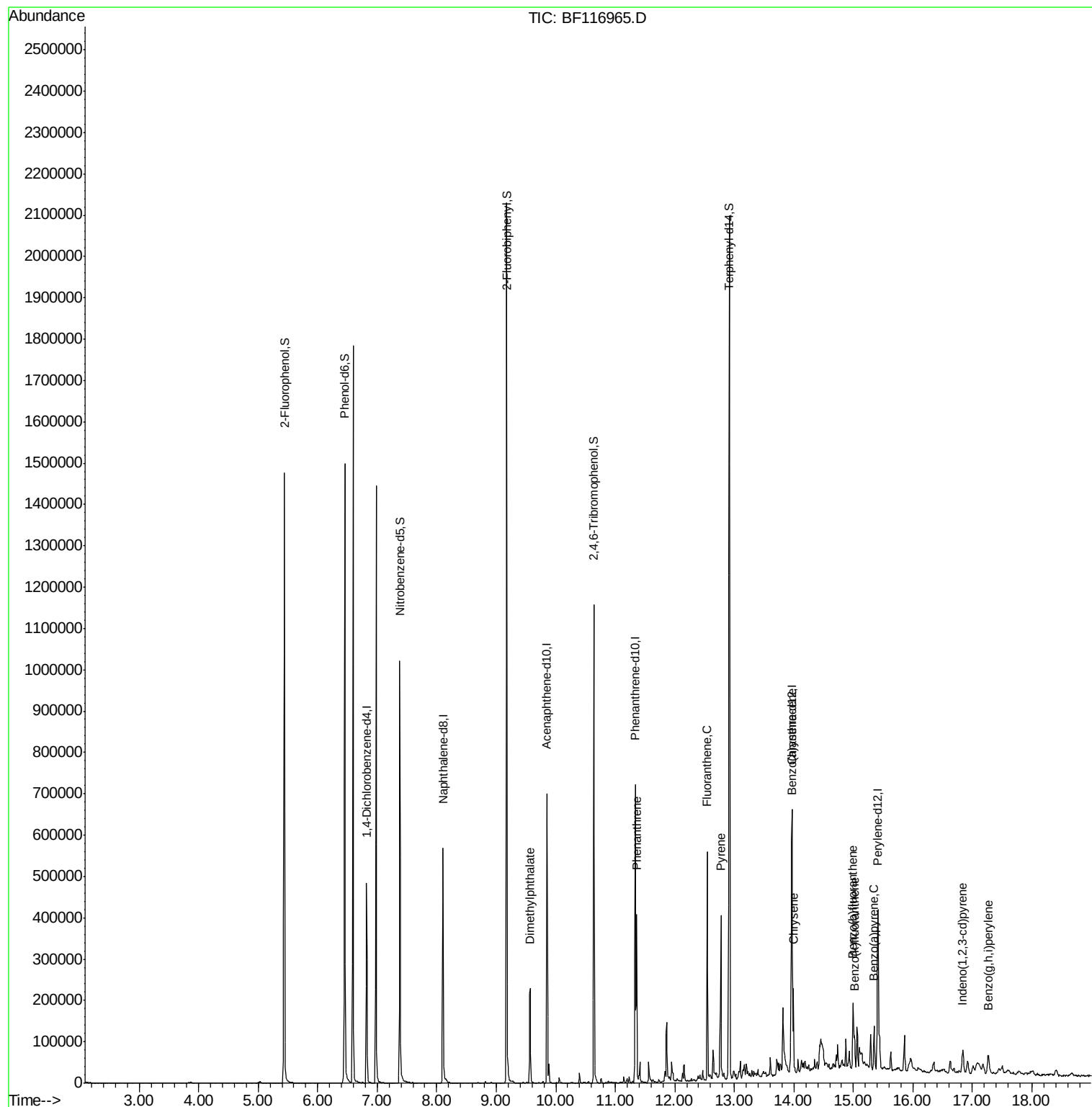
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116965.D
Acq On : 11 Sep 2019 23:48
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Sample : K4722-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

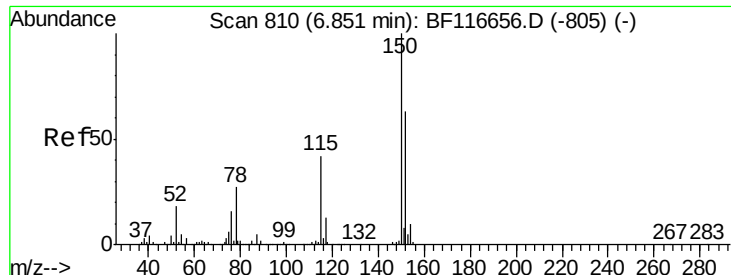
Instrument :
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#1

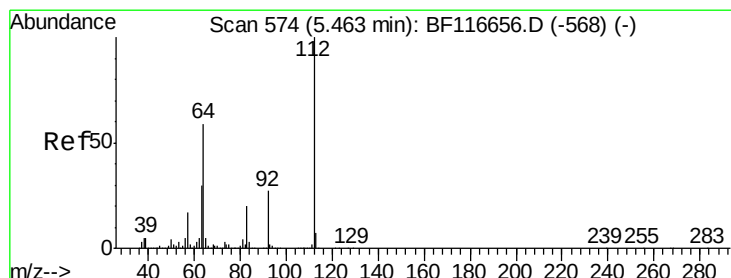
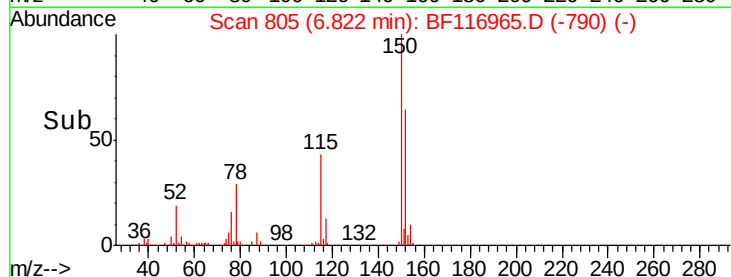
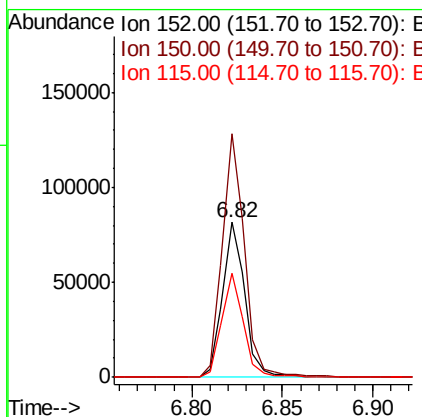
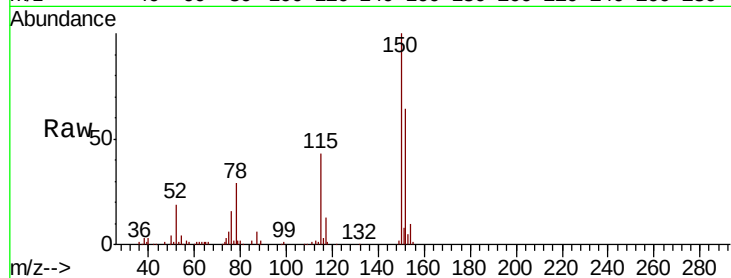
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Instrument :
BNA_F
ClientSampleId :
S703-A1-N-1.0-1.5-090519

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.4	186.6
115	67.0	49.9	74.9

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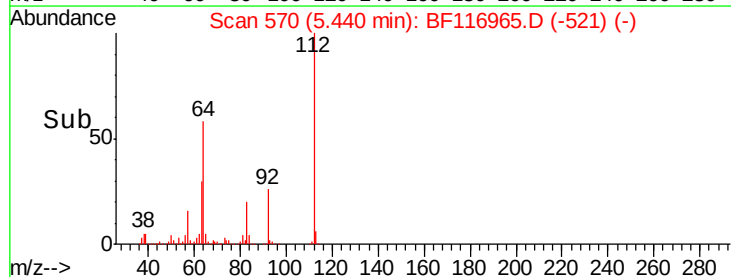
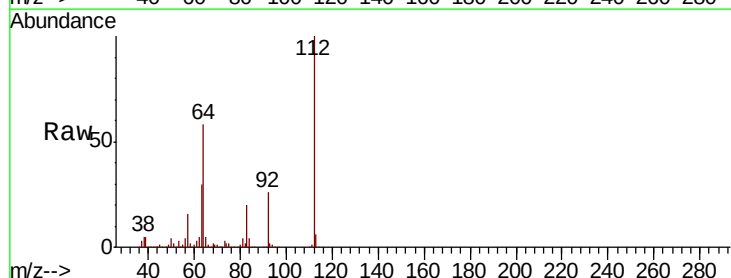
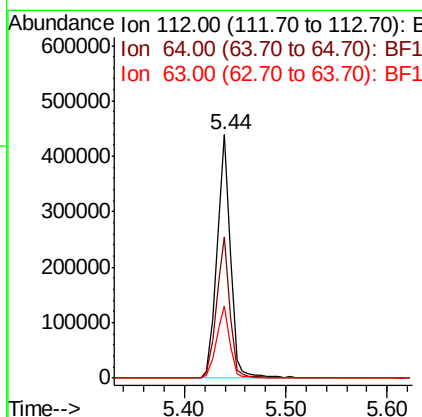
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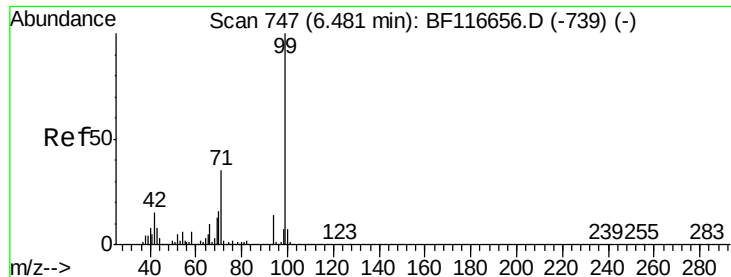


#5

2-Fluorophenol
Concen: 94.597 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.1	70.7
63	29.8	24.9	37.3





#7

Phenol-d6

Concen: 99.496 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Instrument :

BNA_F

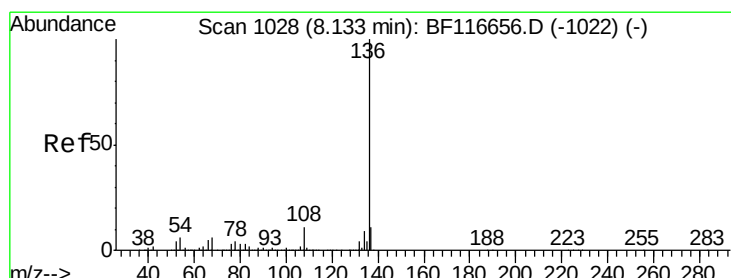
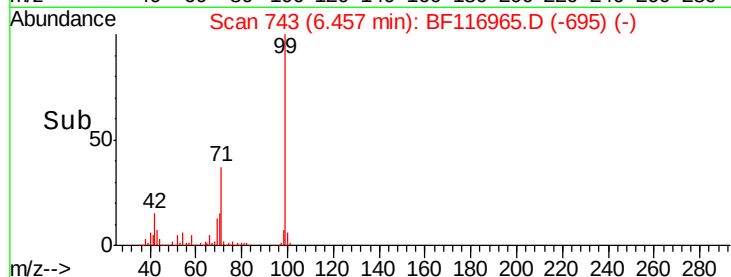
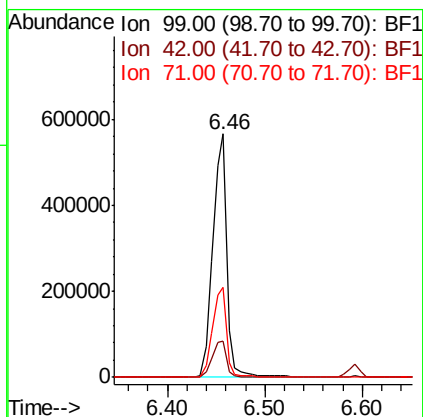
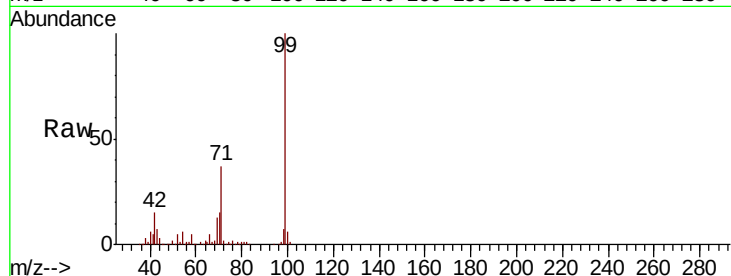
ClientSampleId :

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Tot Ion:	99	Resp:	565522
Ion Ratio	Lower	Upper	
99	100		
42	14.8	13.7	20.5
71	36.8	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

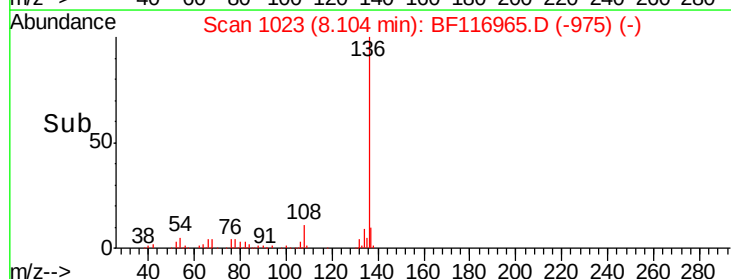
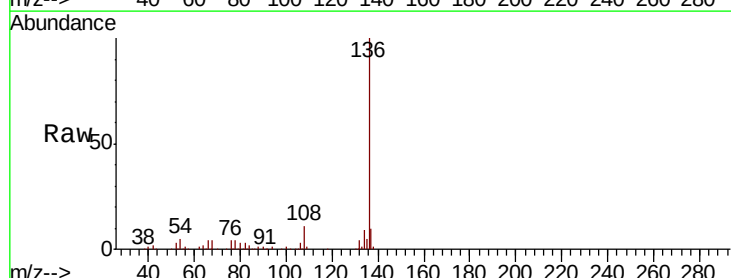
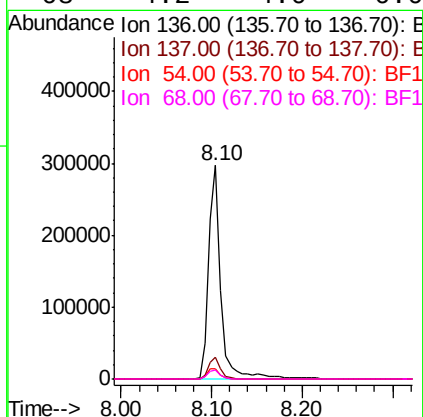
RT: 8.10 min Scan# 1023

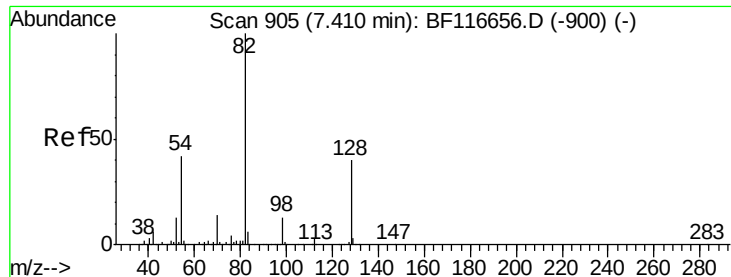
Delta R.T. -0.02 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Tgt Ion:	136	Resp:	286136
Ion Ratio	Lower	Upper	
136	100		
137	9.9	8.9	13.3
54	4.8	4.8	7.2#
68	4.2	4.0	6.0





#23

Nitrobenzene-d5

Concen: 69.813 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.02 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Instrument :

BNA_F

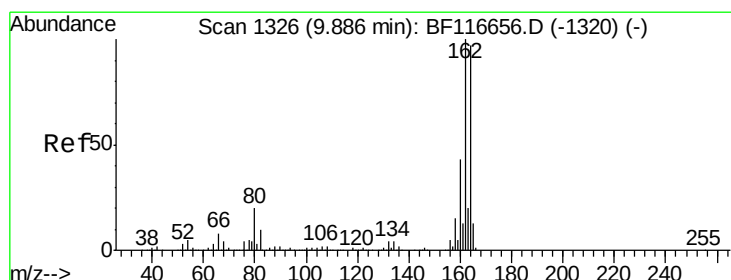
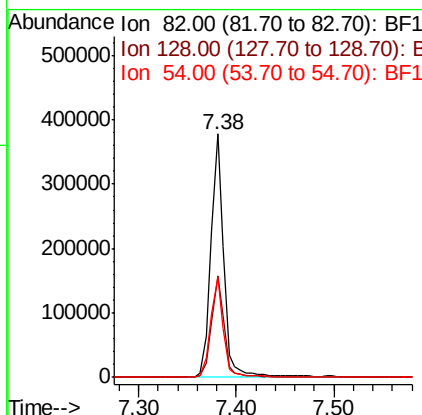
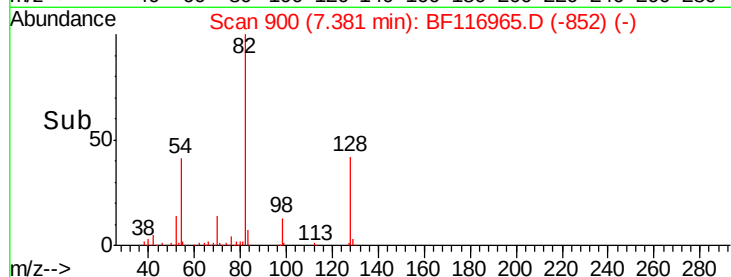
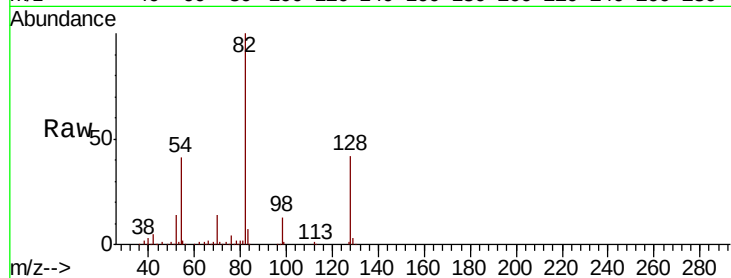
ClientSampleId :

S703-A1-N-1.0-1.5-090519

Tot Ion	82	Resp	349921
Ion Ratio	Lower	Upper	
82	100		
128	41.5	32.8	49.2
54	41.2	36.9	55.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

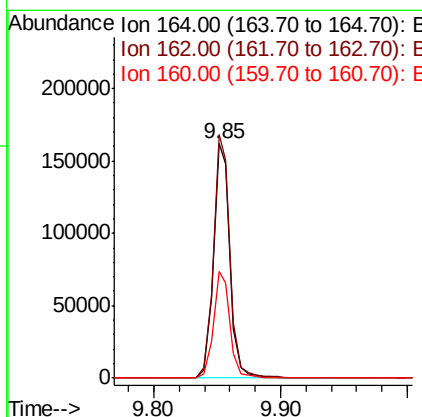
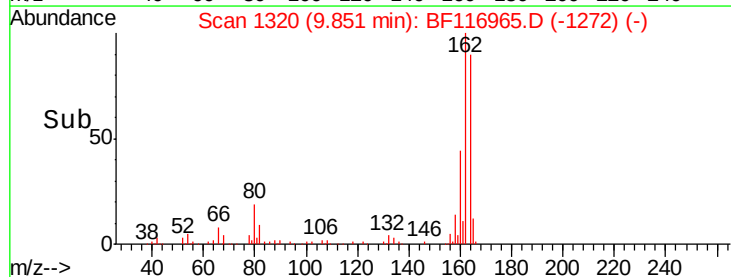
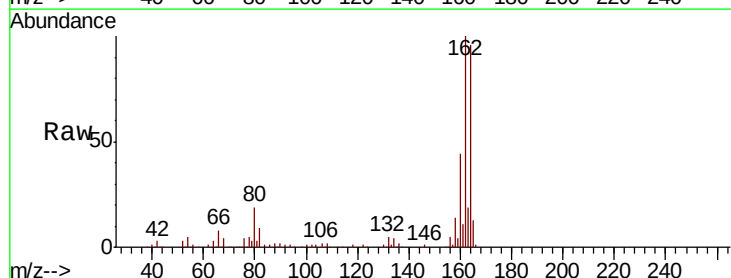
RT: 9.85 min Scan# 1320

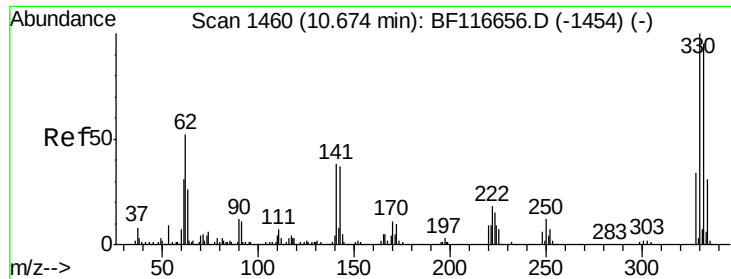
Delta R.T. -0.02 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Tgt Ion	164	Resp	149437
Ion Ratio	Lower	Upper	
164	100		
162	103.9	81.4	122.0
160	45.7	35.4	53.2





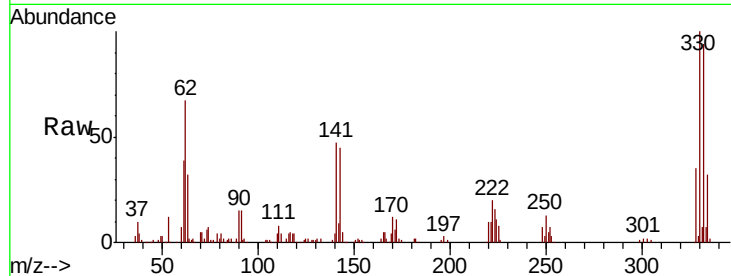
#42
 2,4,6-Tribromophenol
 Concen: 118.814 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: BF116965.D
 Acq: 11 Sep 2019 23:48

Instrument :
 BNA_F
 ClientSampleId :
 S703-A1-N-1.0-1.5-090519

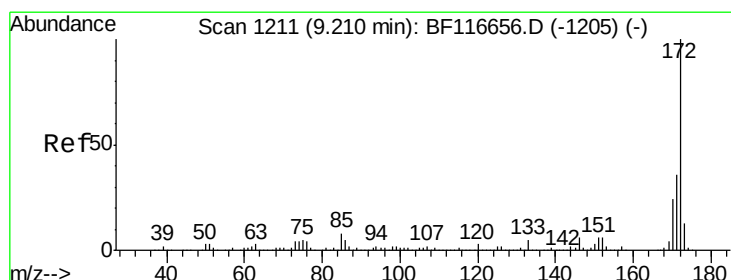
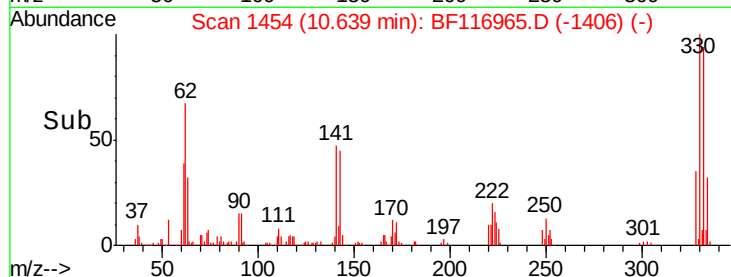
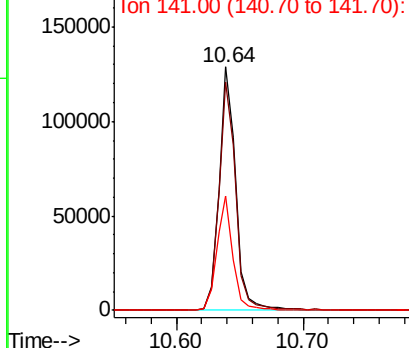
Tot Ion:	330	Resp:	118697
Ion Ratio	Lower	Upper	
330	100		
332	95.2	76.9	115.3
141	45.5	31.4	47.2

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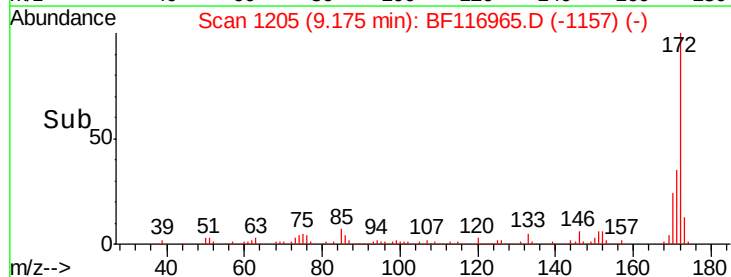
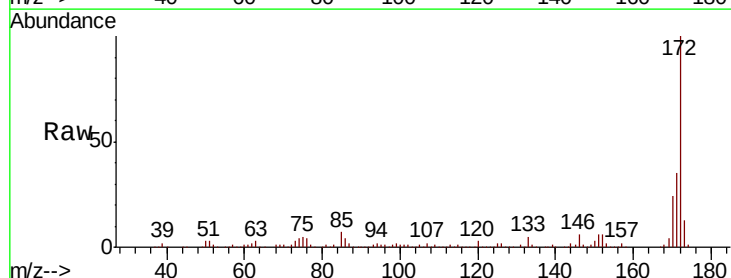
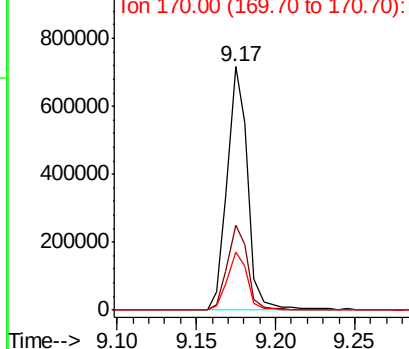
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

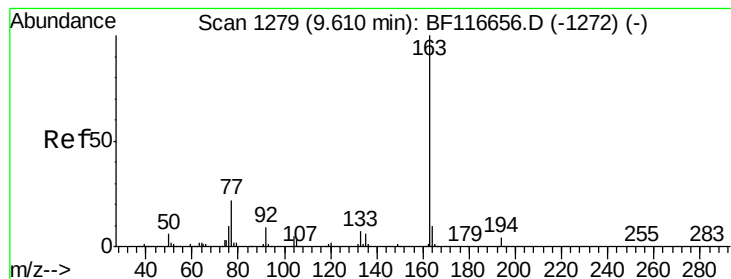


#45
 2-Fluorobiphenyl
 Concen: 72.734 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: BF116965.D
 Acq: 11 Sep 2019 23:48

Tgt Ion:	172	Resp:	644331
Ion Ratio	Lower	Upper	
172	100		
171	35.0	27.8	41.6
170	23.6	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: 9.780 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Instrument :

BNA_F

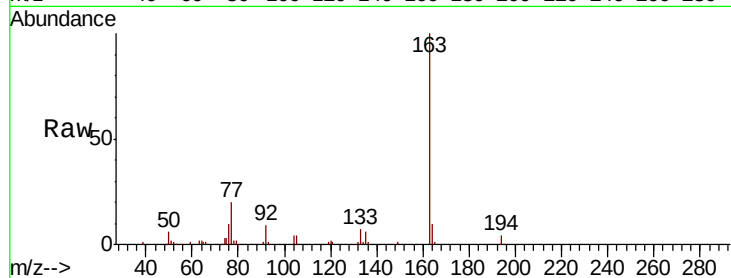
ClientSampleId :

S703-A1-N-1.0-1.5-090519

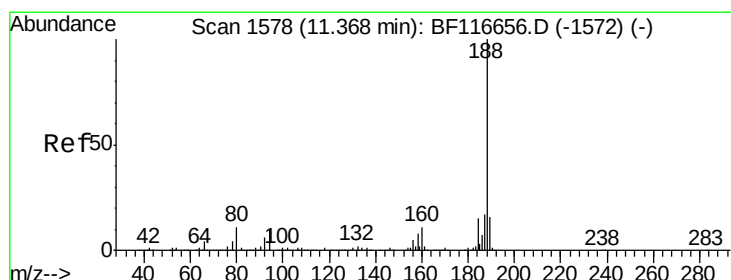
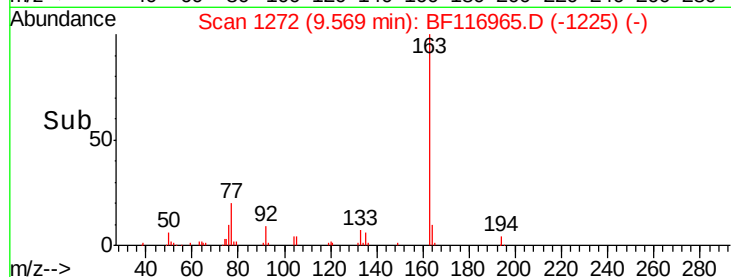
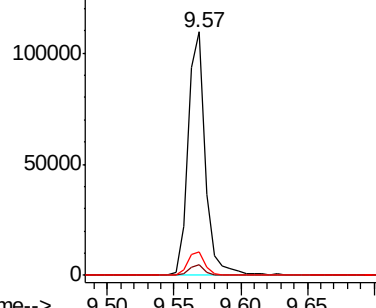
Tot Ion	Ratio	Resp	Lower	Upper
163	100	100897		
194	4.4	2.8	4.2#	
164	9.7	8.6	12.8	

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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

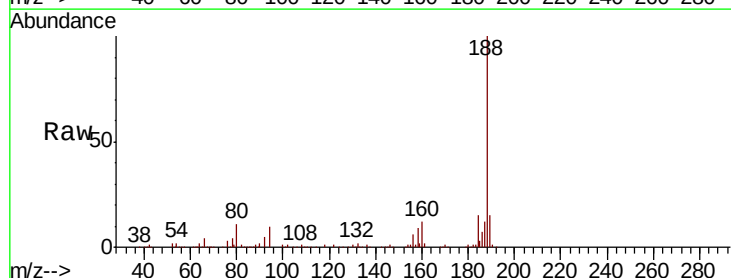
RT: 11.33 min Scan# 1572

Delta R.T. -0.02 min

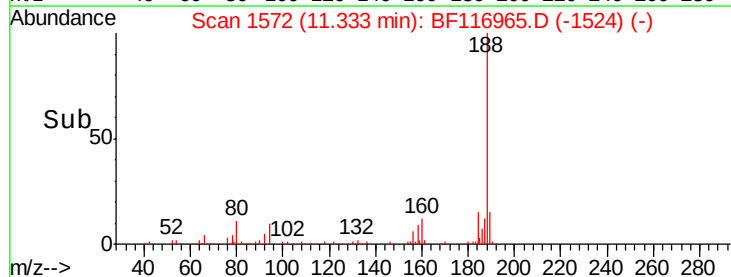
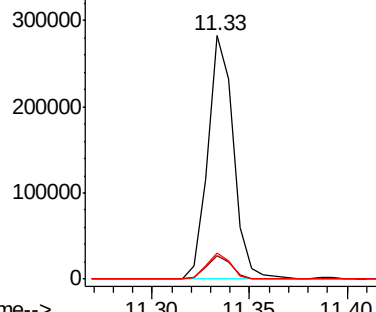
Lab File: BF116965.D

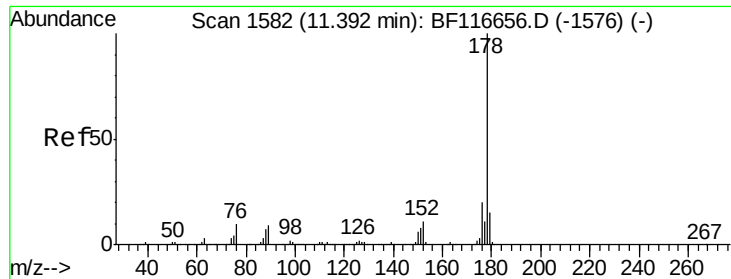
Acq: 11 Sep 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	257758		
94	9.5	7.3	10.9	
80	10.9	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





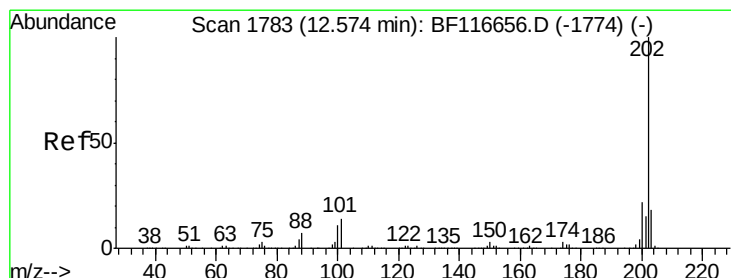
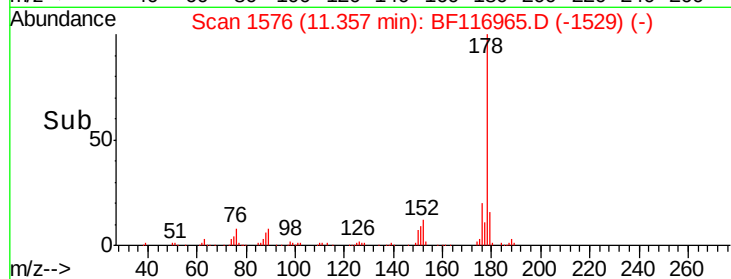
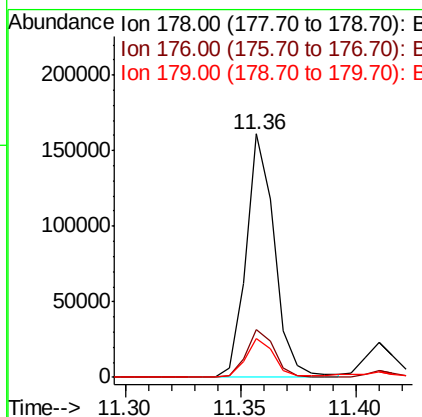
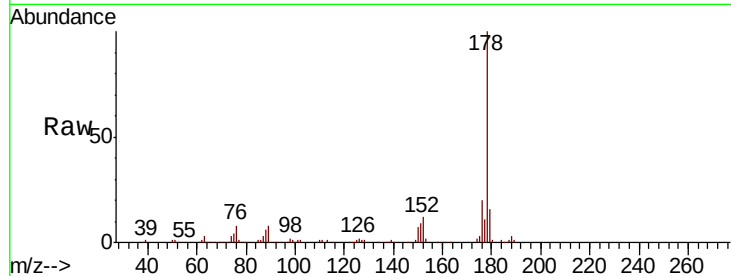
#71
Phenanthrene
Concen: 9.666 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Instrument :
BNA_F
ClientSampleId :
S703-A1-N-1.0-1.5-090519

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.0
179	16.2	12.2	18.2

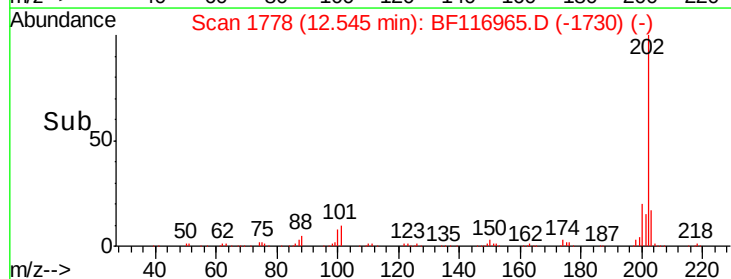
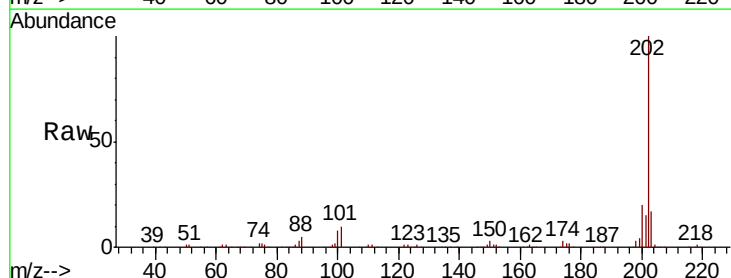
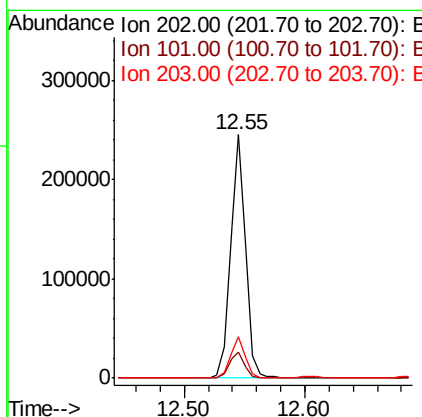
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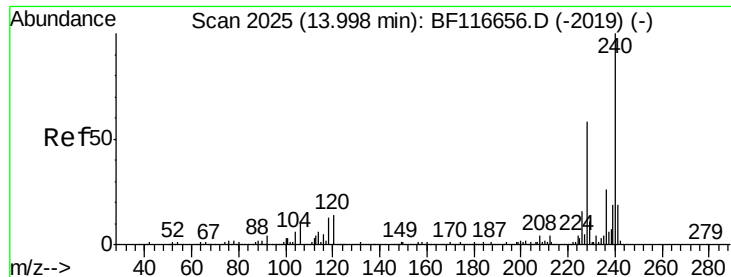
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#75
Fluoranthene
Concen: 14.935 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.02 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.3
203	17.2	0.0	37.6





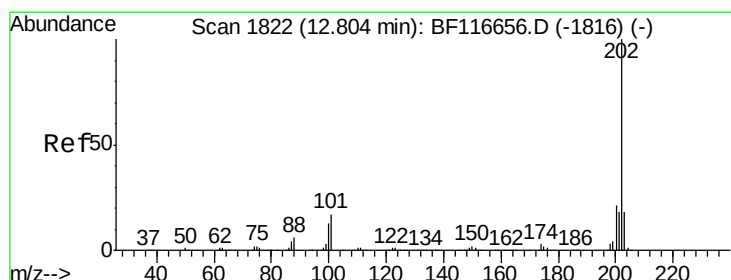
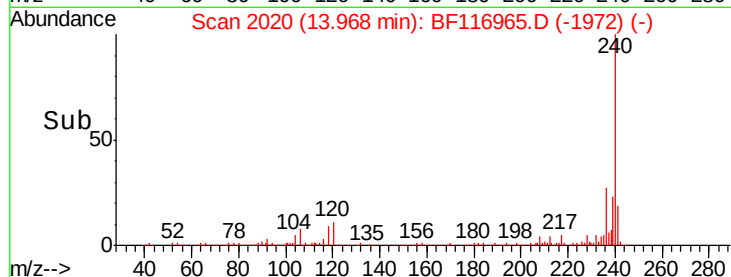
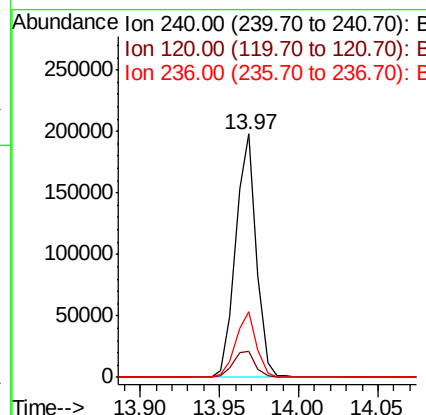
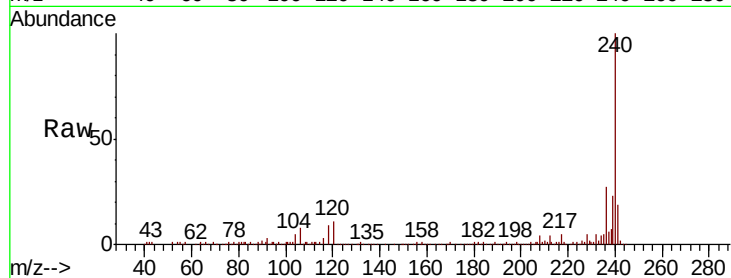
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.02 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Instrument :
BNA_F
ClientSampleId :
S703-A1-N-1.0-1.5-090519

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.1	13.7
236	27.0	21.1	31.7

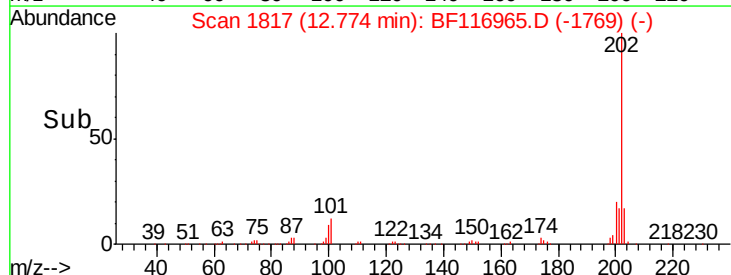
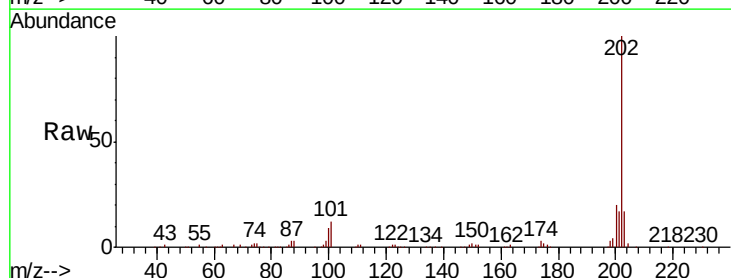
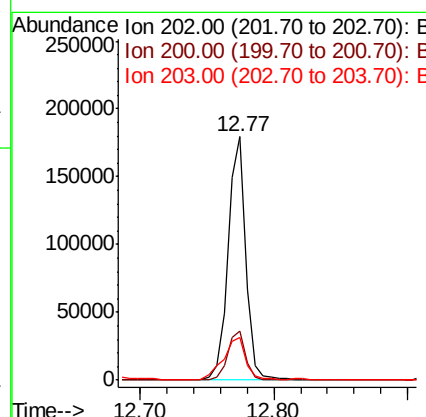
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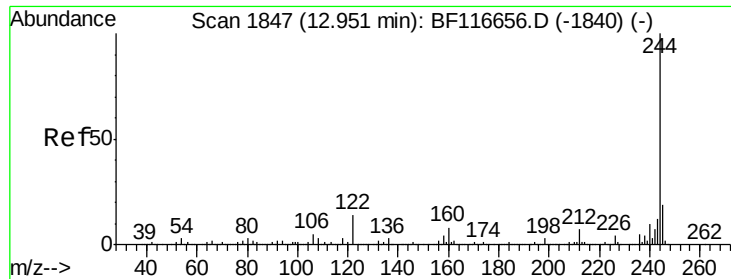
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#78
Pyrene
Concen: 10.638 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.5	24.7
203	17.5	13.7	20.5





#79

Terphenyl-d14

Concen: 69.245 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.02 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Instrument :

BNA_F

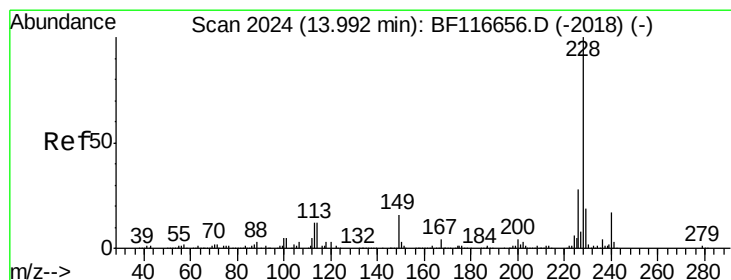
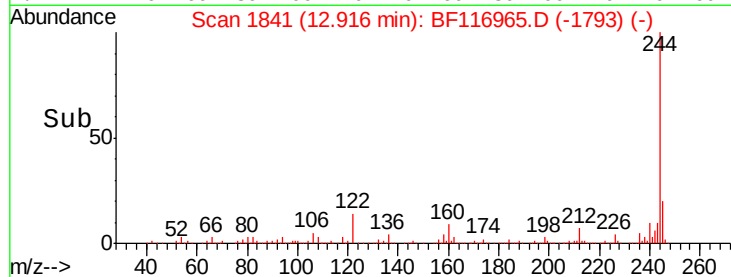
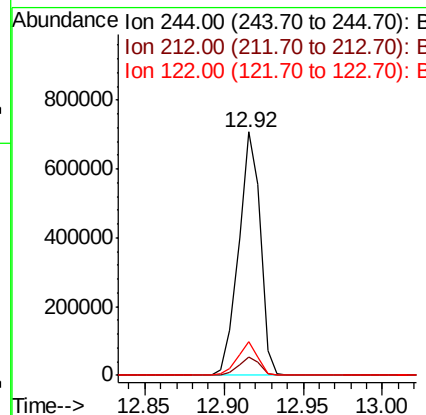
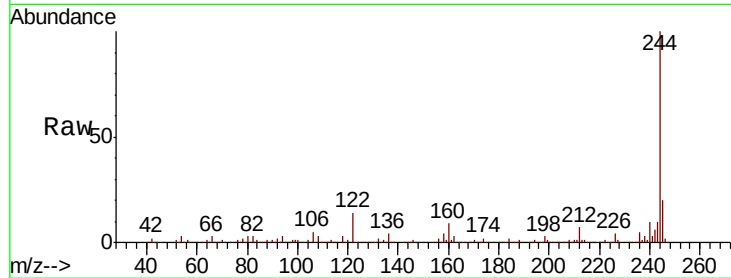
ClientSampleId :

S703-A1-N-1.0-1.5-090519

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	14.0	10.2	15.4

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#81

Benzo(a)anthracene

Concen: 5.331 ng

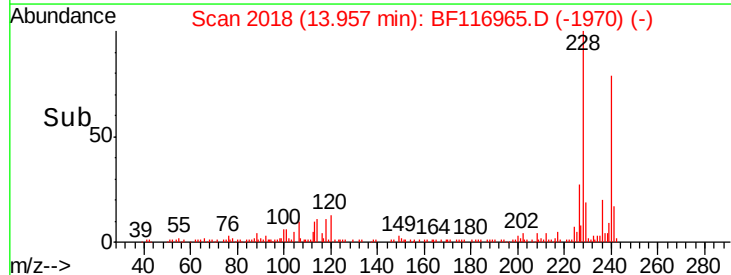
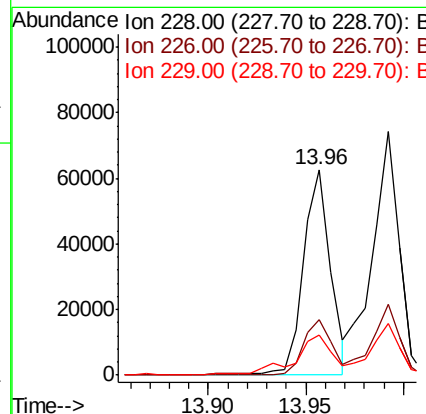
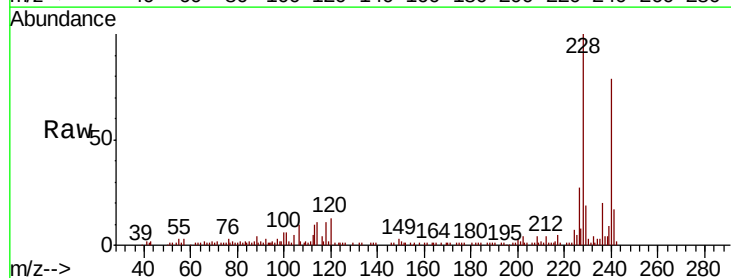
RT: 13.96 min Scan# 2018

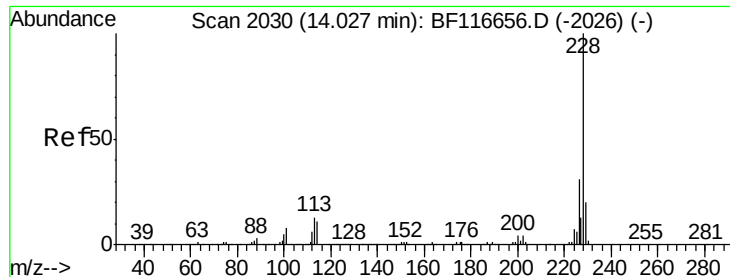
Delta R.T. -0.02 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.0	33.0
229	19.4	16.4	24.6





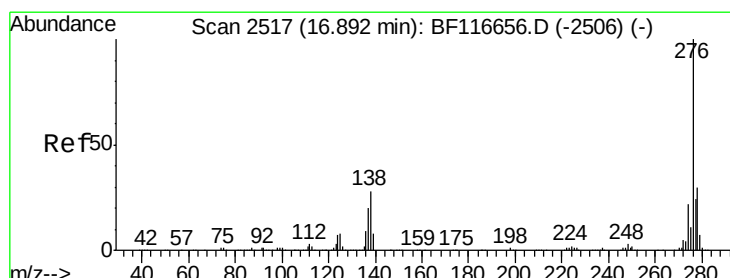
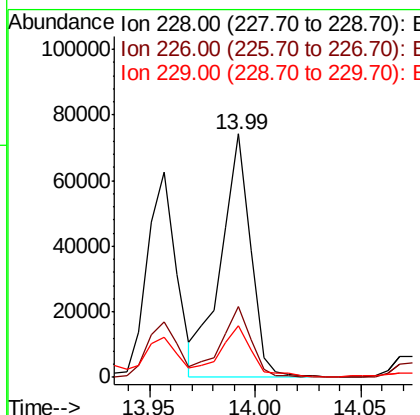
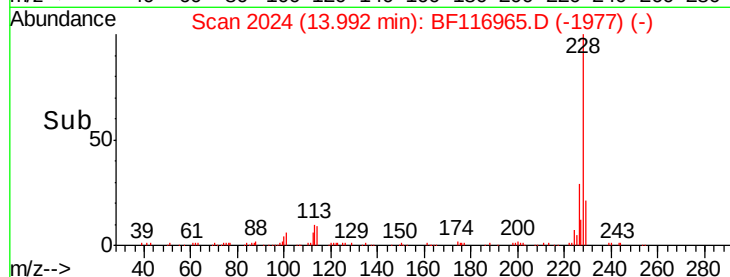
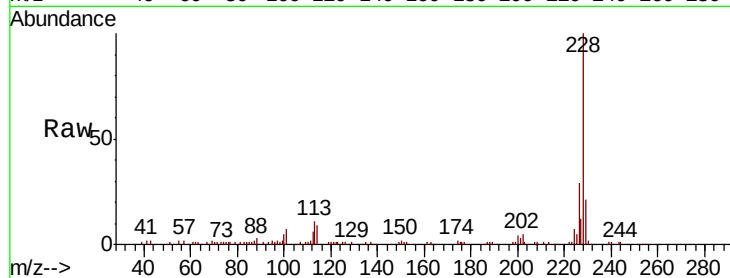
#83
Chrysene
Concen: 6.197 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Instrument :
BNA_F
ClientSampleId :
S703-A1-N-1.0-1.5-090519

Tot Ion:	228	Resp:	72183
Ion Ratio	Lower	Upper	
228	100		
226	28.9	24.0	36.0
229	21.1	15.4	23.0

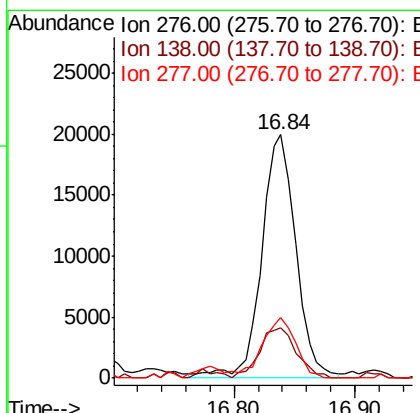
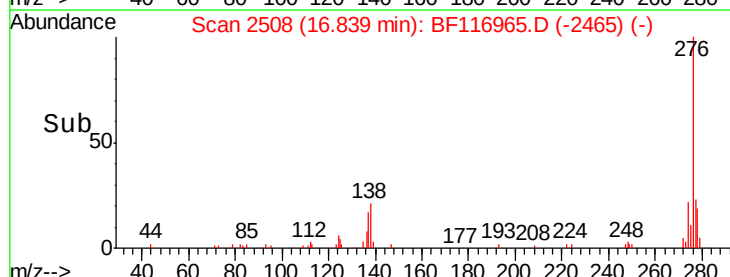
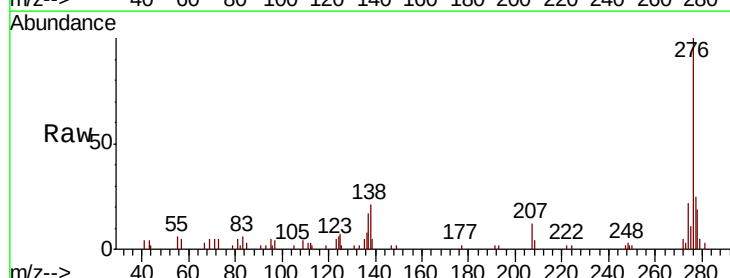
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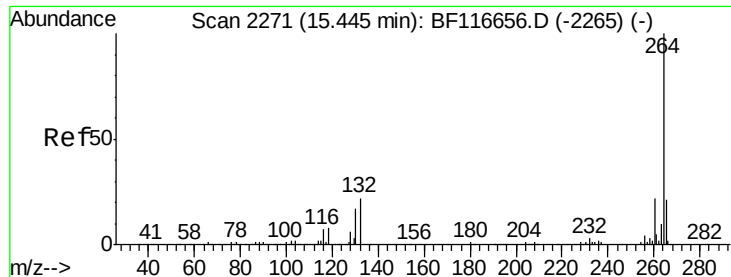
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.174 ng
RT: 16.84 min Scan# 2508
Delta R.T. -0.05 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Tgt Ion:	276	Resp:	39052
Ion Ratio	Lower	Upper	
276	100		
138	22.3	19.4	29.2
277	23.8	20.5	30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.02 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Instrument :

BNA_F

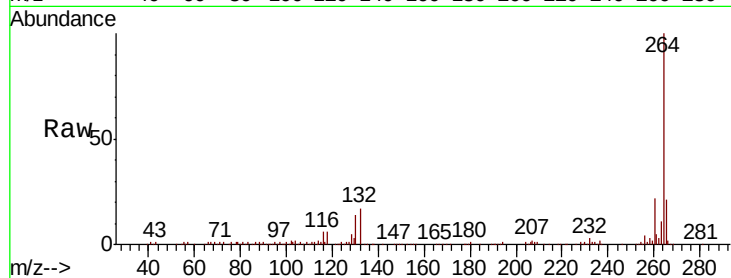
ClientSampleId :

S703-A1-N-1.0-1.5-090519

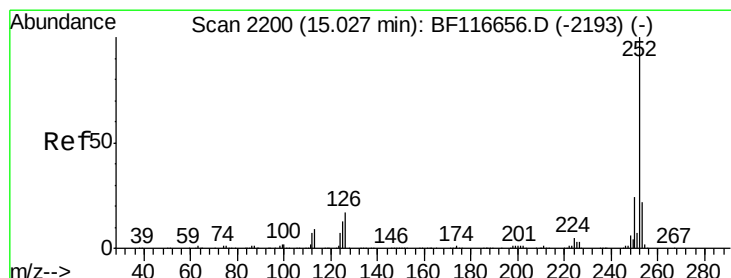
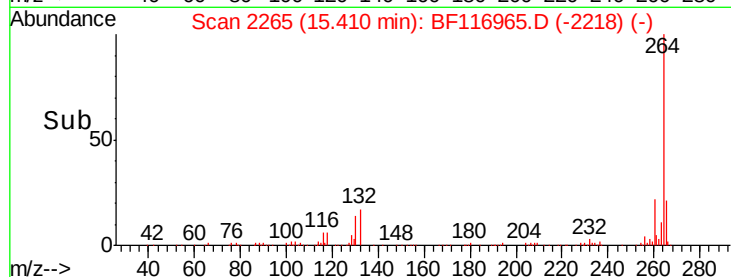
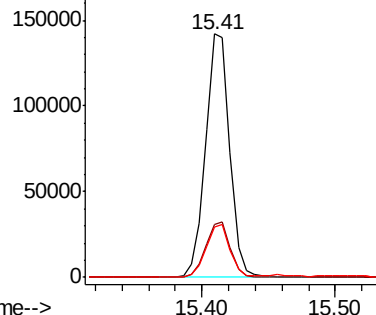
Tot Ion:	264	Resp:	179784
Ion Ratio	Lower	Upper	
264	100		
260	21.7	18.3	27.5
265	20.6	16.5	24.7

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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: 7.378 ng m

RT: 14.99 min Scan# 2194

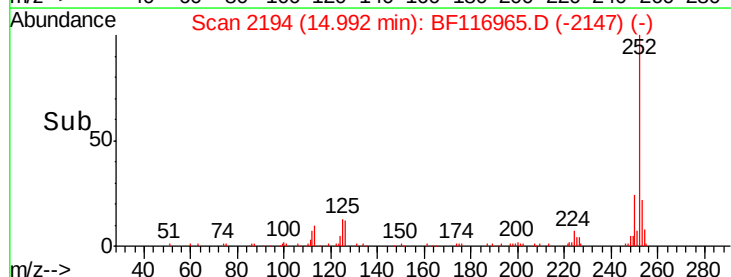
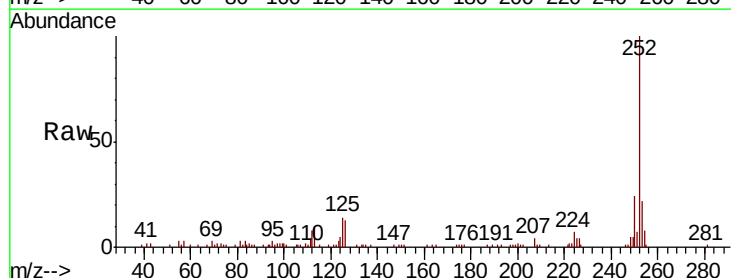
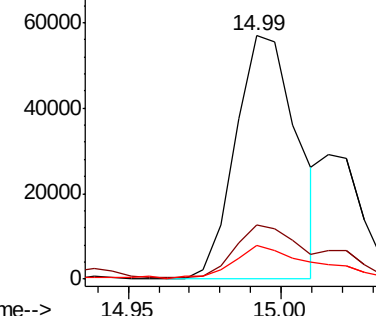
Delta R.T. -0.02 min

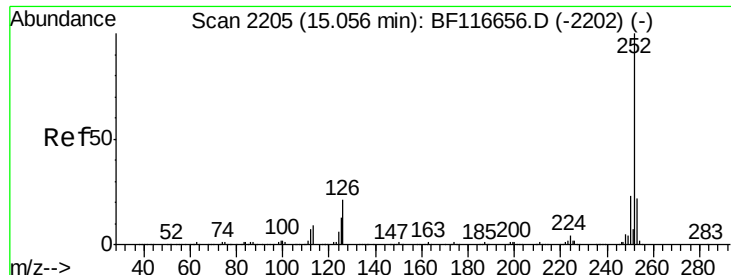
Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Tgt Ion:	252	Resp:	80190
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.7	26.5
125	13.9	8.2	12.2#

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





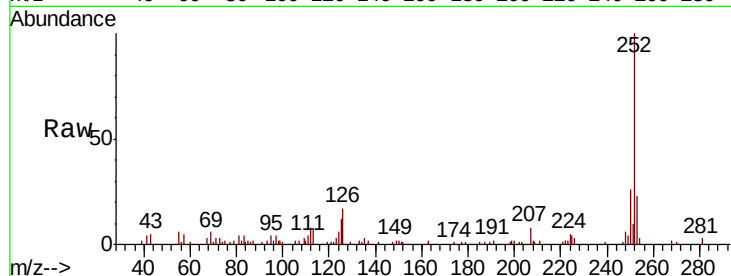
#89
Benzo(k)fluoranthene
Concen: 2.799 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Instrument :
BNA_F
ClientSampleId :
S703-A1-N-1.0-1.5-090519

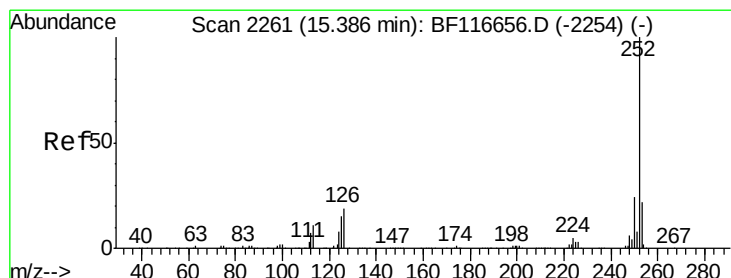
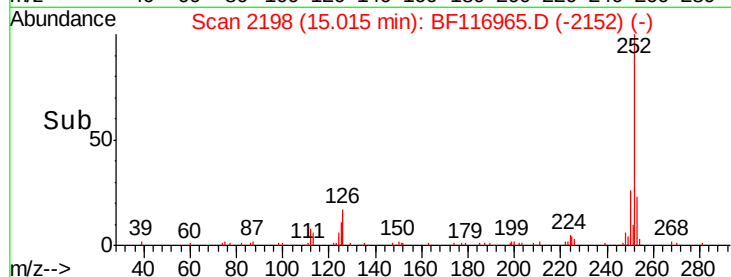
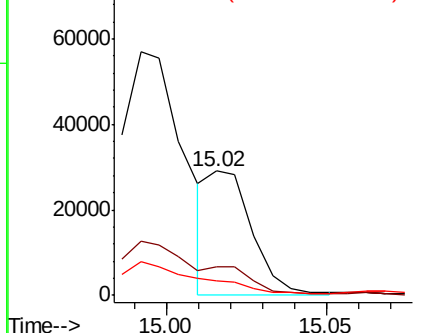
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.7	26.5
125	11.7	8.6	13.0

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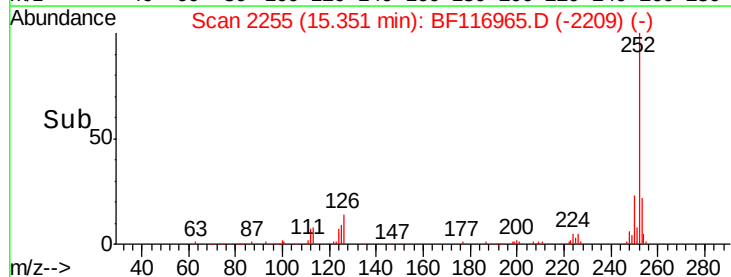
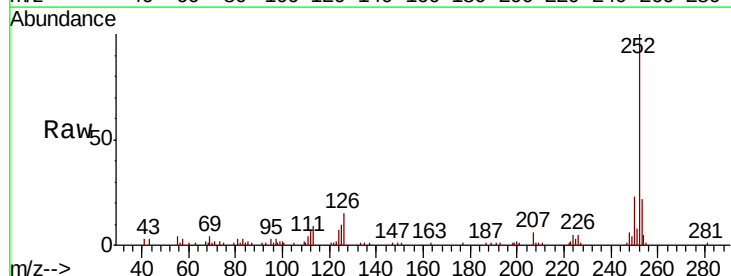
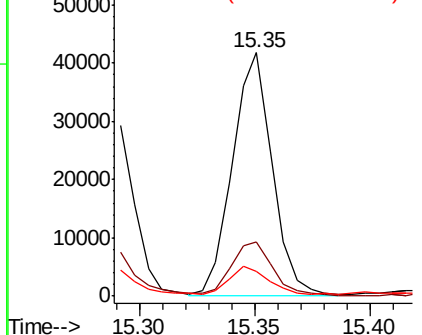
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

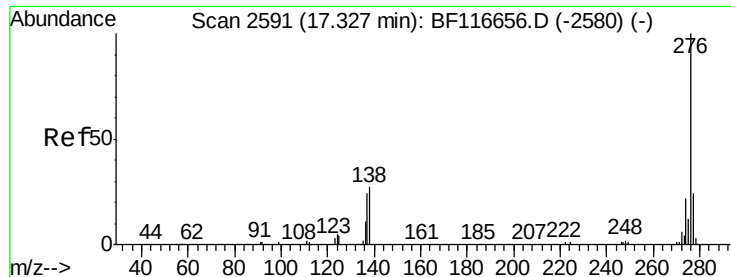


#90
Benzo(a)pyrene
Concen: 5.344 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.03 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	10.3	9.8	14.8

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(a,h,i)perylene
 Concen: 4.303 ng
 RT: 17.26 min Scan# 2580
 Delta R.T. -0.06 min
 Lab File: BF116965.D
 Acq: 11 Sep 2019 23:48

Instrument :
 BNA_F
 ClientSampleId :
 S703-A1-N-1.0-1.5-090519

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	24.6	18.5		27.7	
138	22.1	16.2		24.2	

Manual Integrations
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