

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100818\
 Data File : BF109680.D
 Acq On : 9 Oct 2018 7:01
 Operator : JU/SJ
 Sample : J5305-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 331-CON

Manual Integrations
 APPROVED

Sohil
 10/9/2018 2:57:59 PM

Quant Time: Oct 09 08:43:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	88417	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	356471	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	138713	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	234395	20.00	ng	0.00
75) Chrysene-d12	13.83	240	201106	20.00	ng	0.00
86) Perylene-d12	15.23	264	164233	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	206210	41.40	ng	0.00
7) Phenol-d6	6.35	99	391315	58.81	ng	-0.01
23) Nitrobenzene-d5	7.26	82	271786	42.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	24489	16.20	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	487208	48.37	ng	0.00
78) Terphenyl-d14	12.78	244	388346	37.38	ng	0.00
Target Compounds						
70) Phenanthrene	11.23	178	32607	2.780	ng	98
74) Fluoranthene	12.41	202	101055	8.247	ng	98
77) Pyrene	12.63	202	87407	5.932	ng	97
80) Benzo(a)anthracene	13.82	228	59346	5.348	ng	96
82) Chrysene	13.85	228	52985	4.545	ng	97
83) Bis(2-ethylhexyl)phthalate	13.82	149	17853	2.291	ng	# 99
87) Benzo(b)fluoranthene	14.83	252	53520m	5.897	ng	
88) Benzo(k)fluoranthene	14.86	252	18709m	2.052	ng	
89) Benzo(a)pyrene	15.17	252	23813	2.891	ng	# 97

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

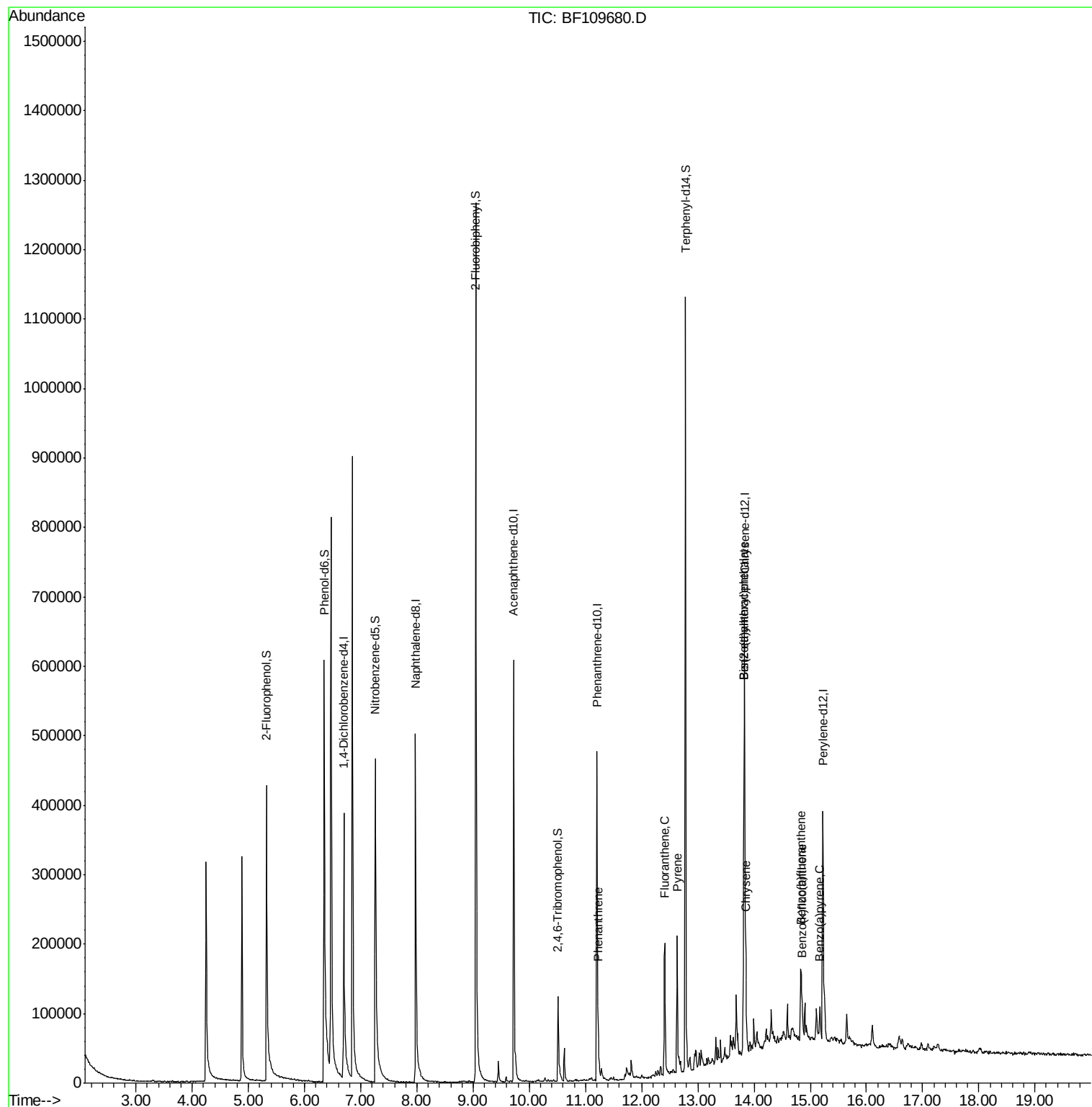
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100818\
Data File : BF109680.D
Acq On : 9 Oct 2018 7:01
Operator : JU/SJ
Sample : J5305-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

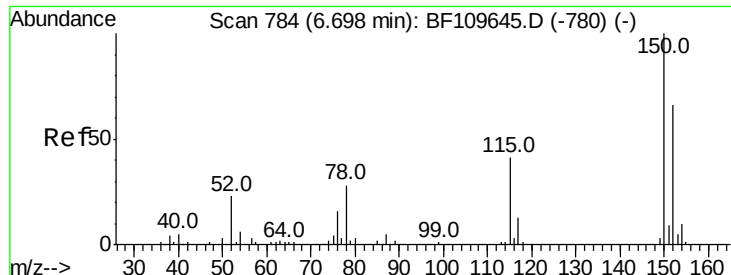
Instrument :
BNA_F
ClientSampleId :
331-CON

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

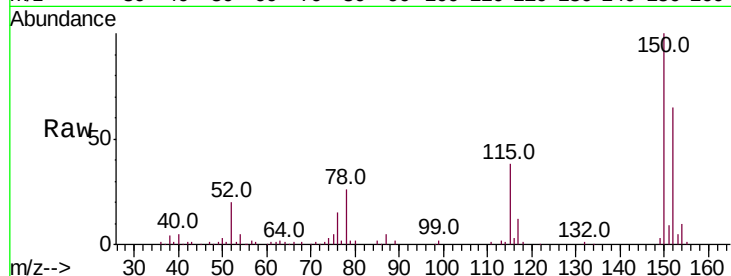
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF109680.D
Acq: 9 Oct 2018 7:01

Instrument :
BNA_F
ClientSampled :
331-CON

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	122.7	184.1
115	59.4	49.1	73.7

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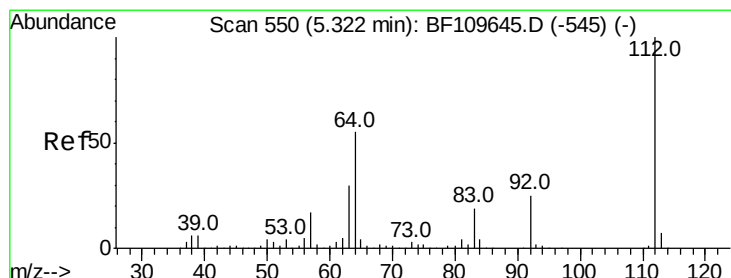
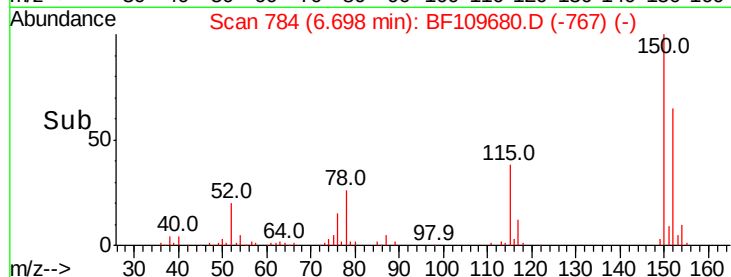
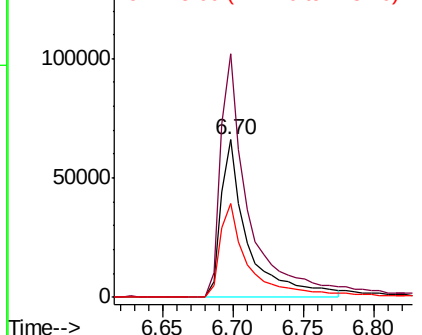


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

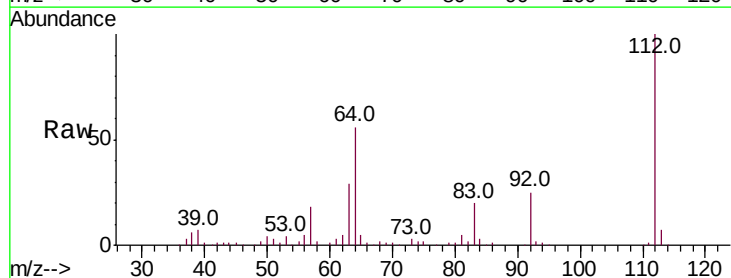
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 41.398 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF109680.D
Acq: 9 Oct 2018 7:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	44.1	66.1
63	29.3	23.7	35.5

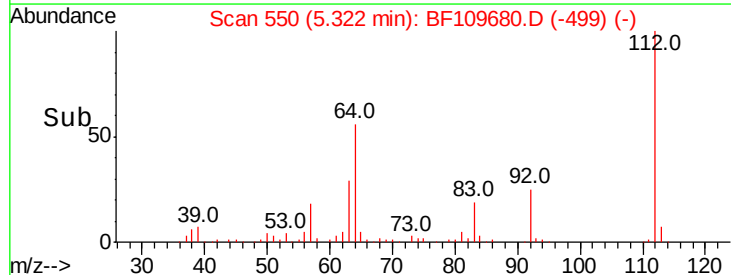
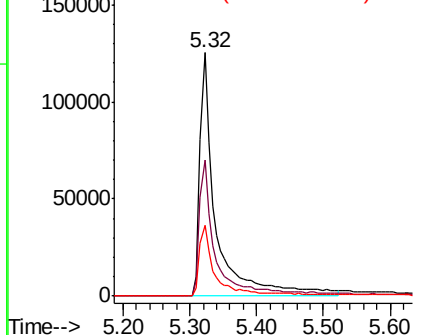


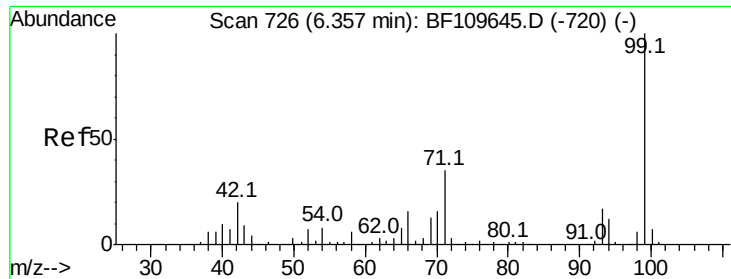
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 58.807 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

Instrument :

BNA_F

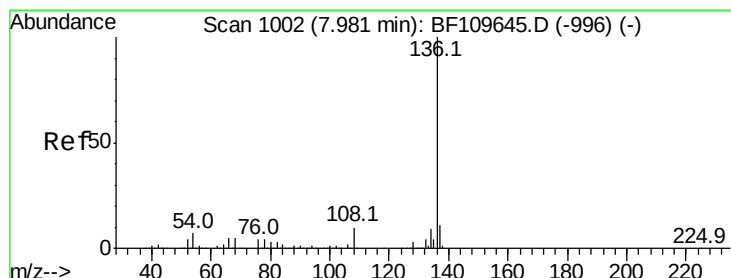
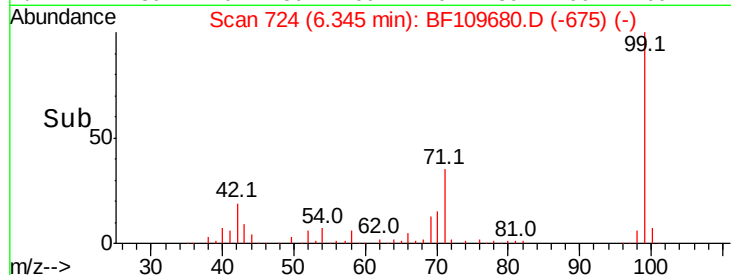
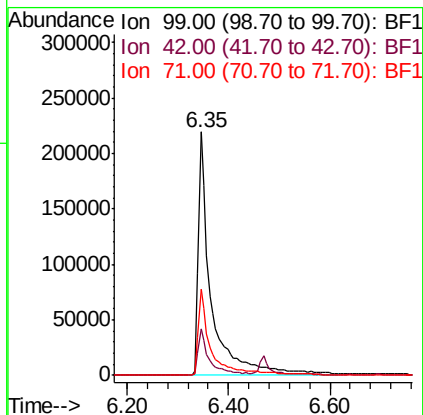
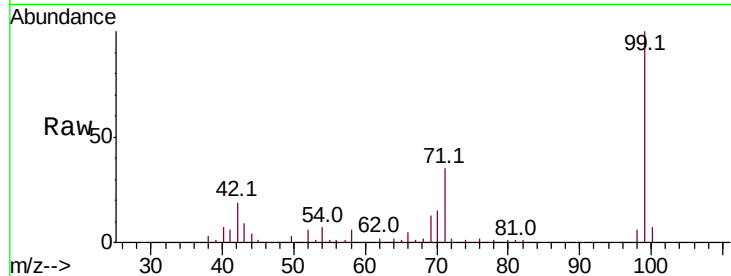
ClientSampled :

331-CON

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		391315		
42	19.2	15.8	23.6		
71	35.2	28.0	42.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

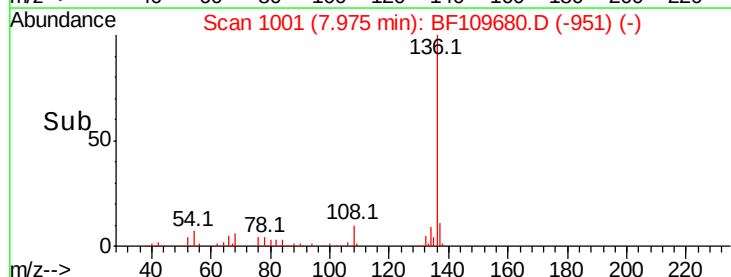
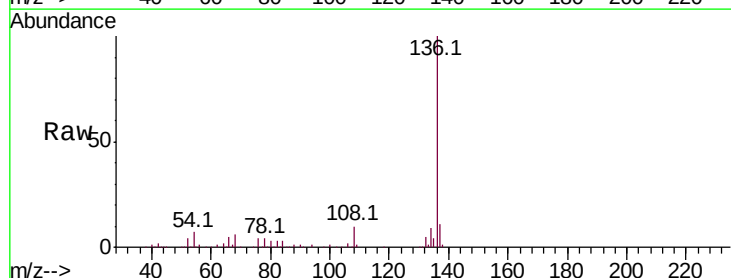
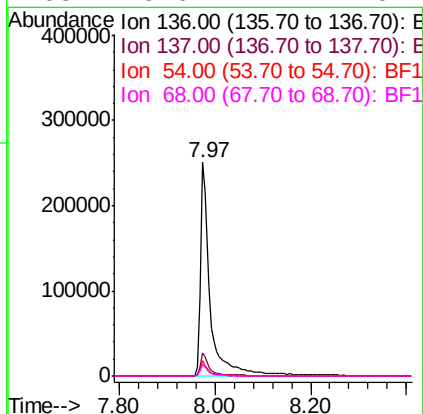
RT: 7.97 min Scan# 1001

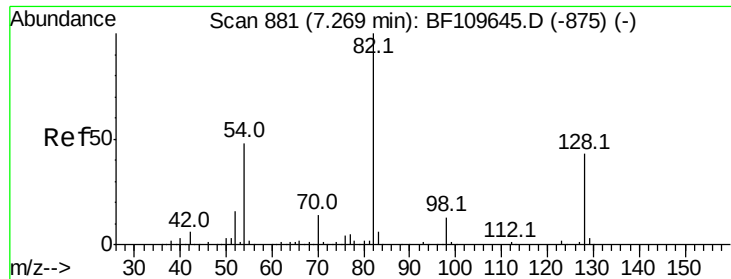
Delta R.T. -0.01 min

Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		356471		
137	10.8	8.8	13.2		
54	7.2	5.4	8.2		
68	5.6	4.2	6.2		





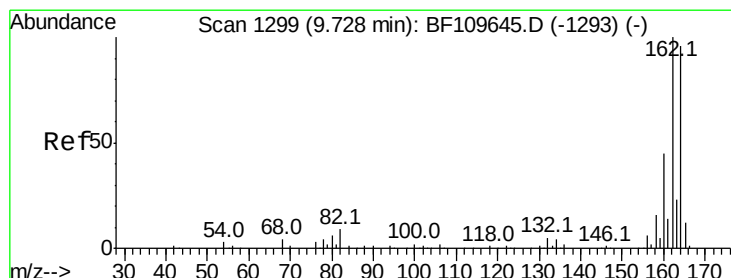
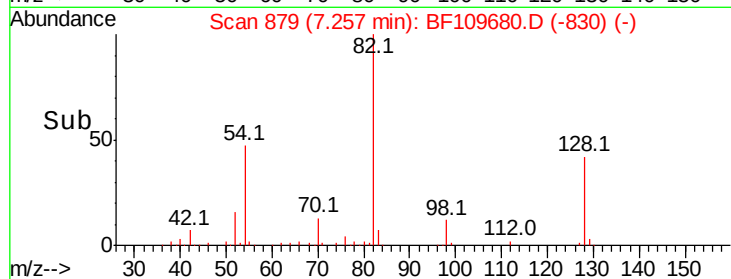
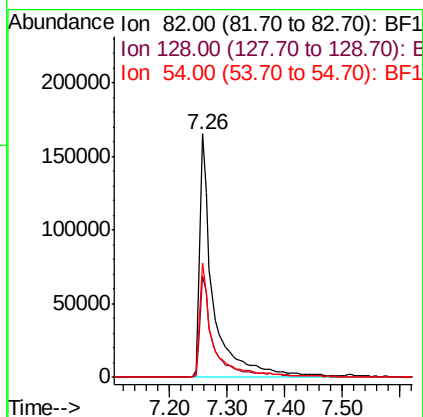
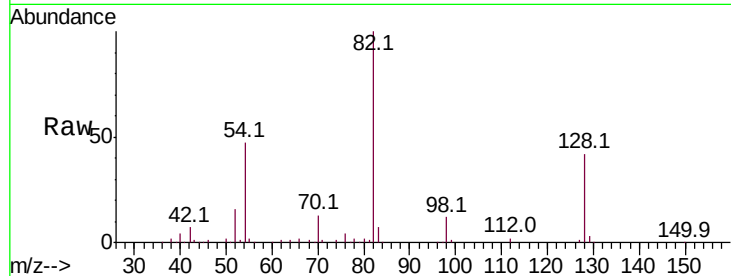
#23
 Nitrobenzene-d5
 Concen: 42.028 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF109680.D
 Acq: 9 Oct 2018 7:01

Instrument :
 BNA_F
 ClientSampled :
 331-CON

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.2	51.2
54	47.1	38.6	58.0

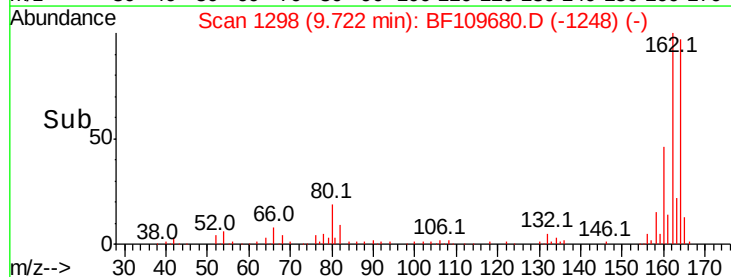
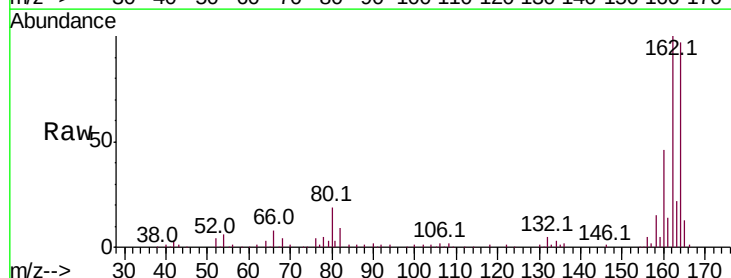
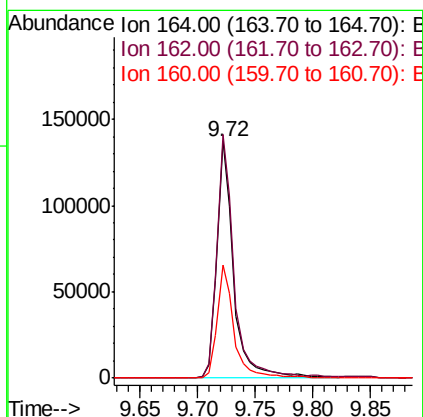
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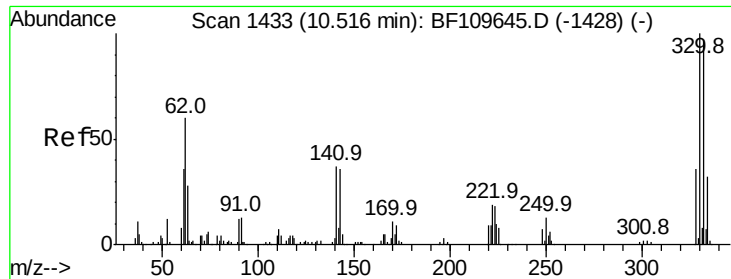
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF109680.D
 Acq: 9 Oct 2018 7:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	83.0	124.6
160	47.6	37.0	55.6





#41

2,4,6-Tribromophenol

Concen: 16.203 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

Instrument :

BNA_F

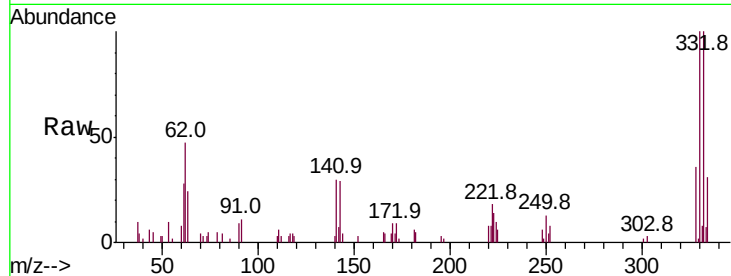
ClientSampled :

331-CON

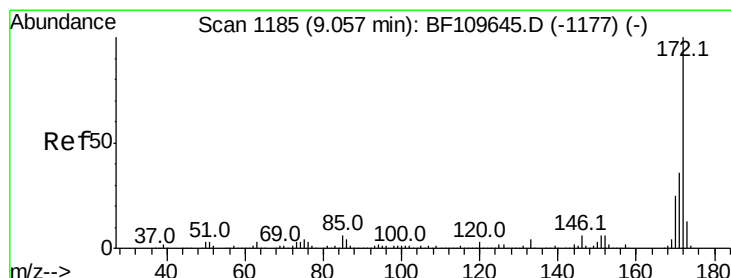
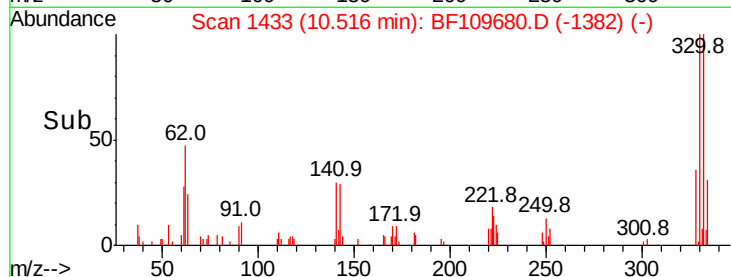
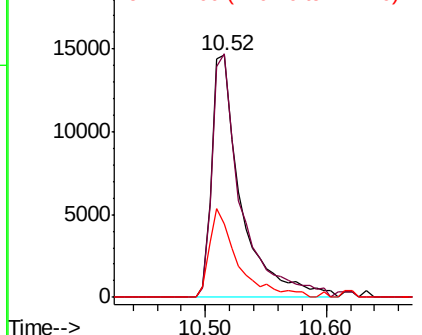
Tot Ion:	330	Resp:	24489
Ion Ratio	Lower	Upper	
330	100		
332	98.8	77.1	115.7
141	35.0	27.0	40.4

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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



#44

2-Fluorobiphenyl

Concen: 48.374 ng

RT: 9.05 min Scan# 1184

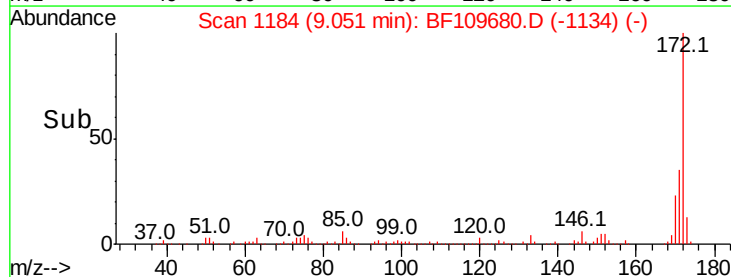
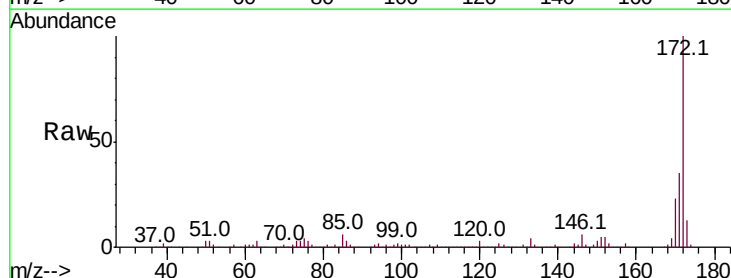
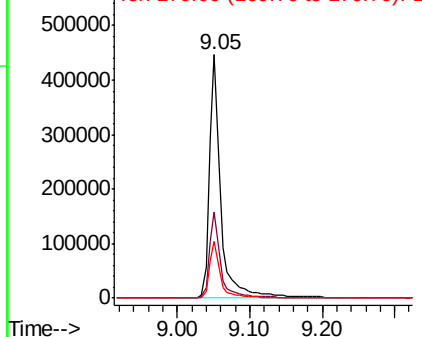
Delta R.T. -0.01 min

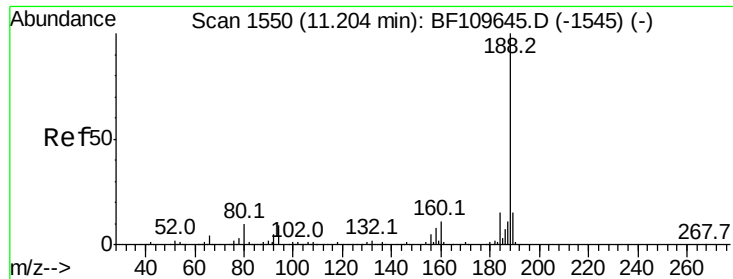
Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

Tgt Ion:	172	Resp:	487208
Ion Ratio	Lower	Upper	
172	100		
171	35.2	28.6	43.0
170	23.3	19.7	29.5

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





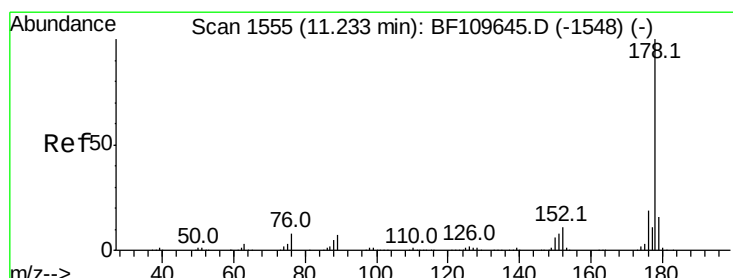
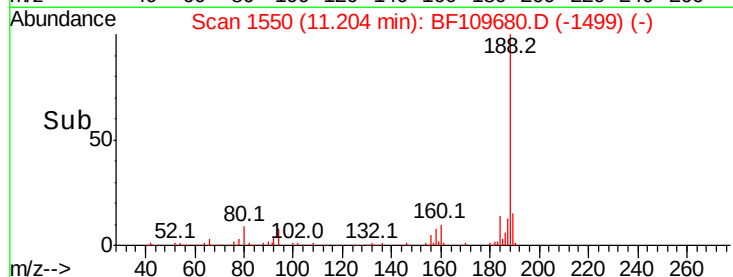
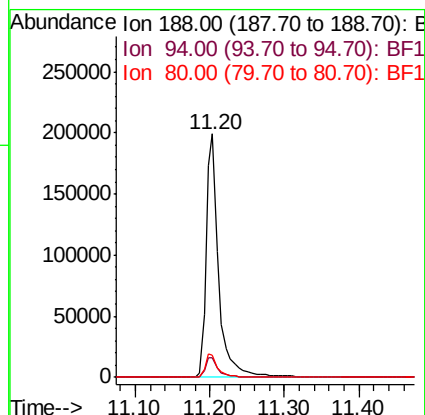
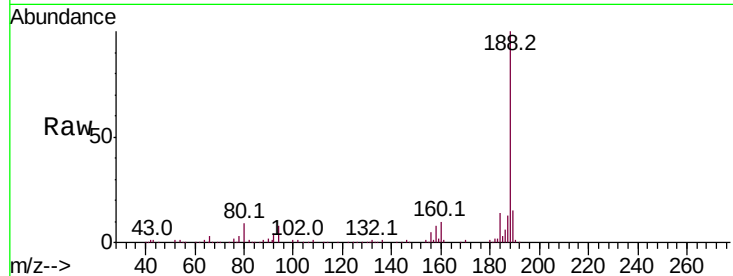
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF109680.D
Acq: 9 Oct 2018 7:01

Instrument :
BNA_F
ClientSampled :
331-CON

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.9	7.2	10.8
80	8.9	7.9	11.9

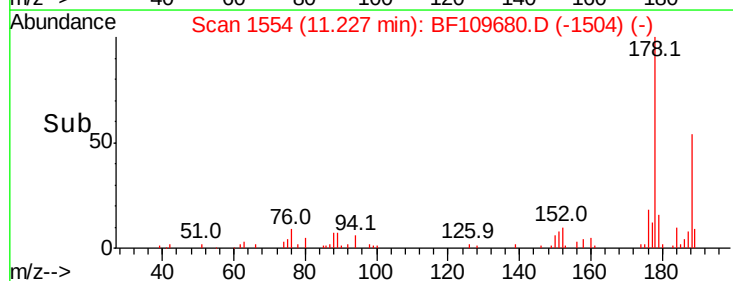
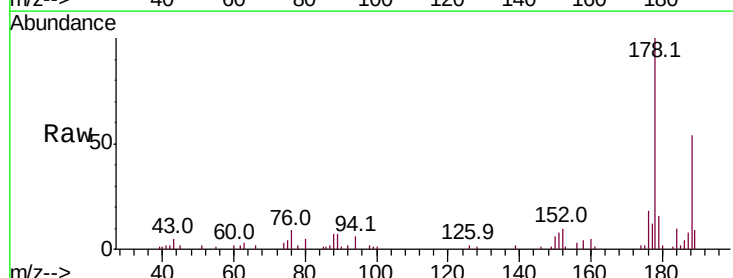
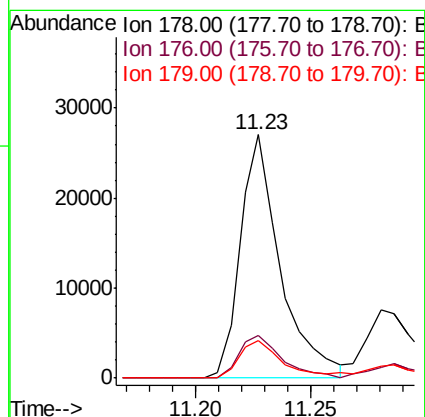
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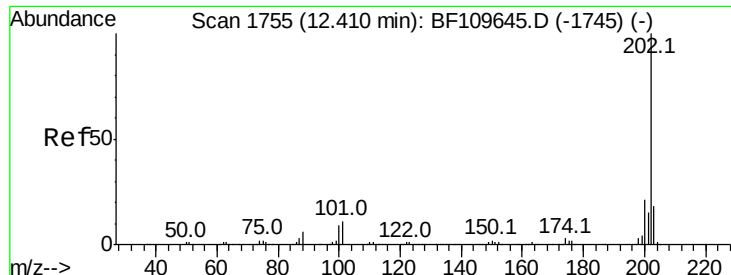
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#70
Phenanthrene
Concen: 2.780 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF109680.D
Acq: 9 Oct 2018 7:01

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	17.5	15.5	23.3
179	15.5	12.5	18.7





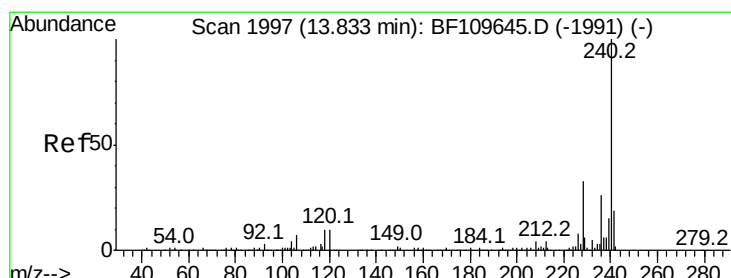
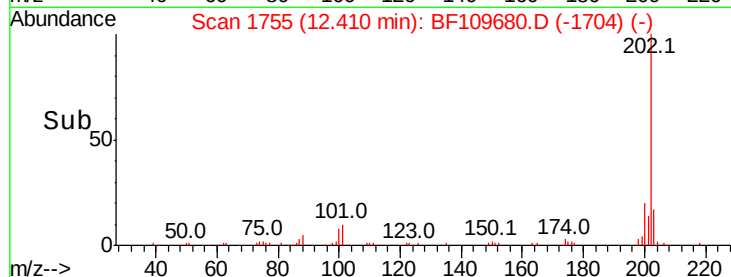
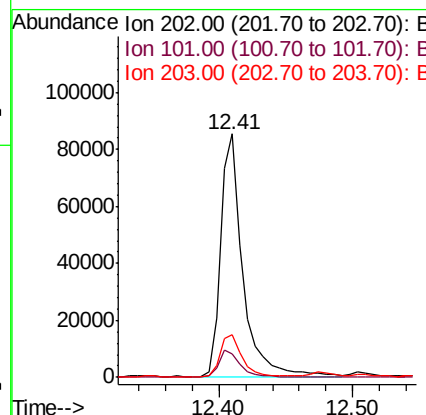
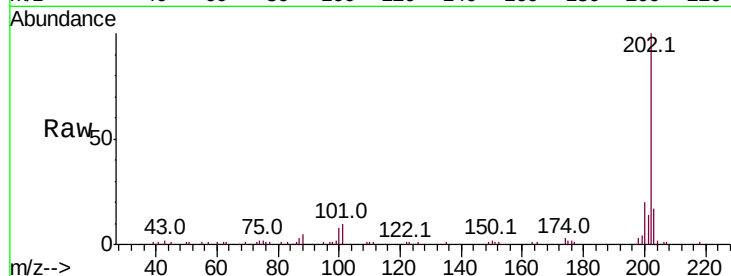
#74
 Fluoranthene
 Concen: 8.247 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: BF109680.D
 Acq: 9 Oct 2018 7:01

Instrument :
 BNA_F
 ClientSampleId :
 331-CON

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.9	0.0	31.4
203	17.3	0.0	37.7

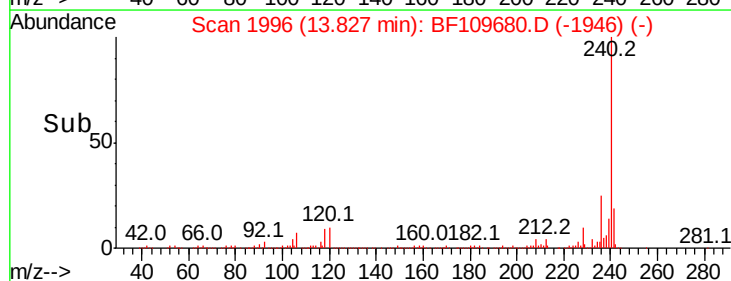
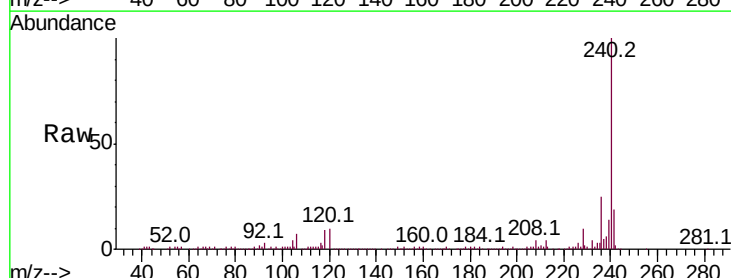
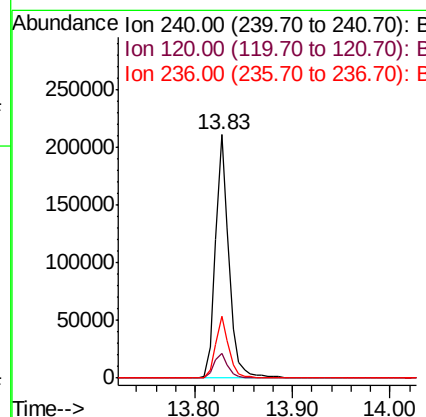
Manual Integrations
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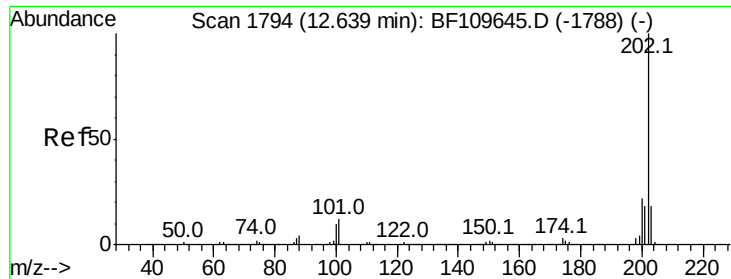
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109680.D
 Acq: 9 Oct 2018 7:01

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.4	8.3	12.5
236	25.5	21.2	31.8





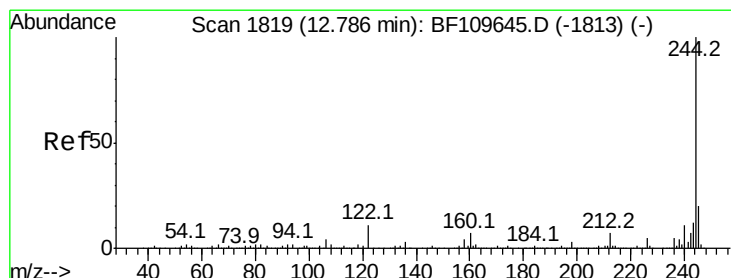
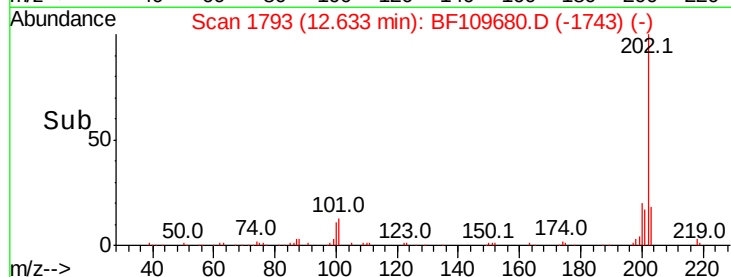
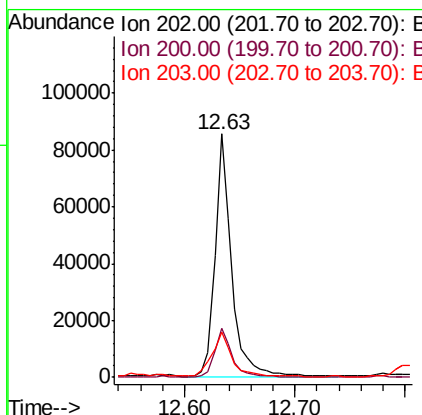
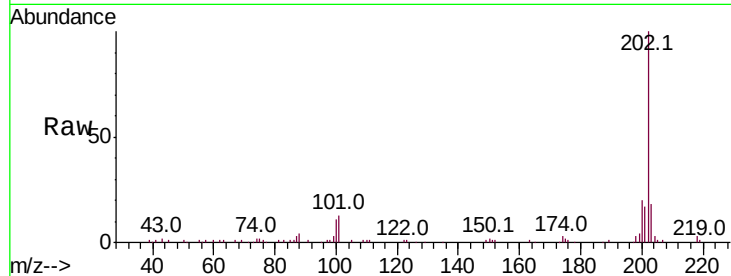
#77
Pvrene
Concen: 5.932 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF109680.D
Acq: 9 Oct 2018 7:01

Instrument :
BNA_F
ClientSampleId :
331-CON

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.8	26.6
203	18.4	14.2	21.4

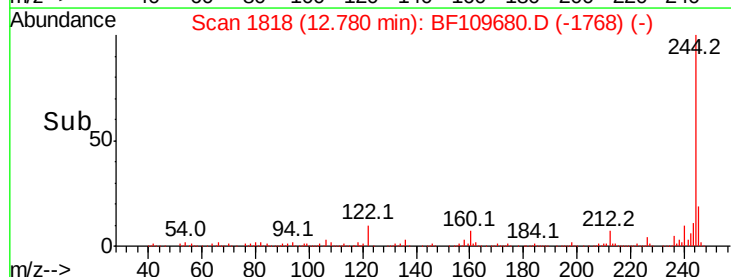
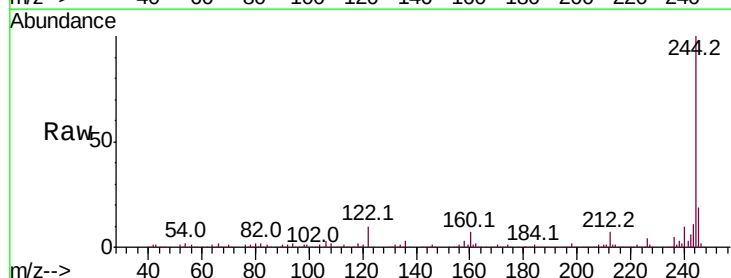
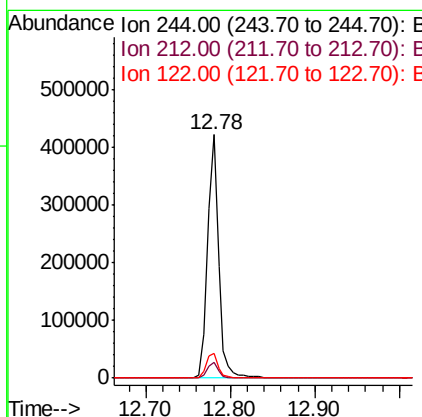
Manual Integrations
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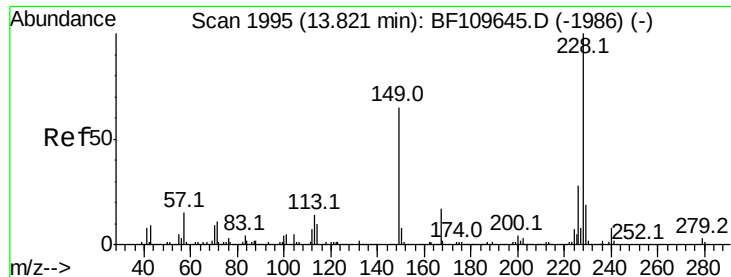
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#78
Terphenyl-d14
Concen: 37.382 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF109680.D
Acq: 9 Oct 2018 7:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	9.9	8.7	13.1





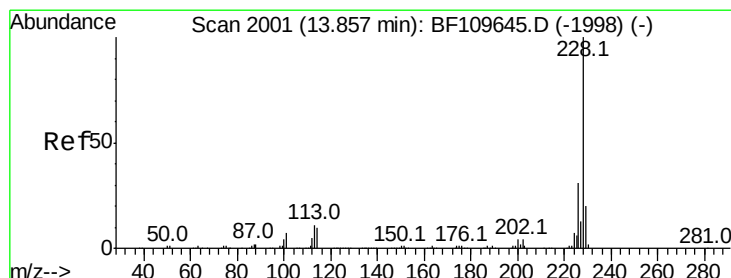
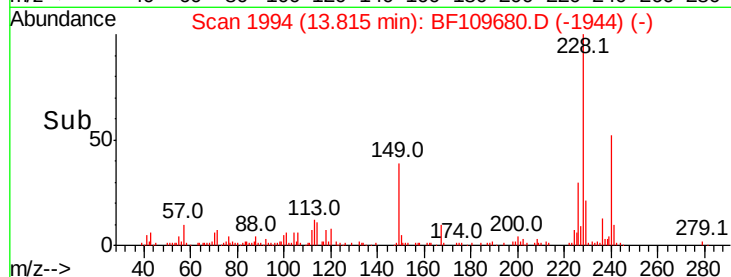
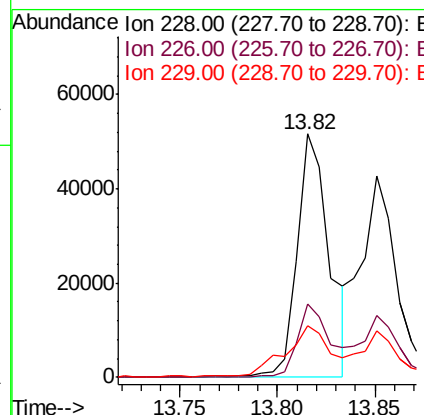
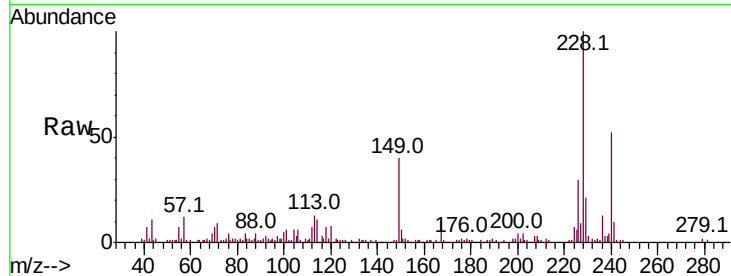
#80
Benzo(a)anthracene
Concen: 5.348 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF109680.D
Acq: 9 Oct 2018 7:01

Instrument :
BNA_F
ClientSampleId :
331-CON

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.1	33.1
229	21.0	15.6	23.4

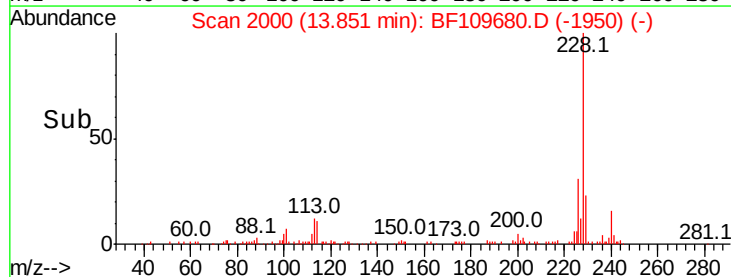
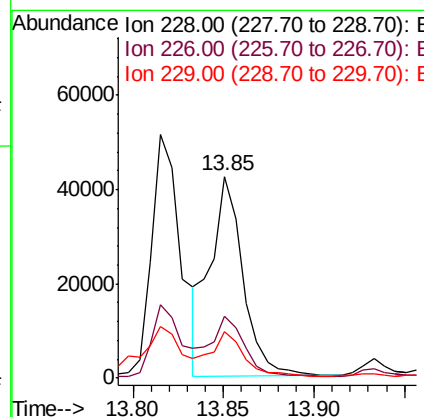
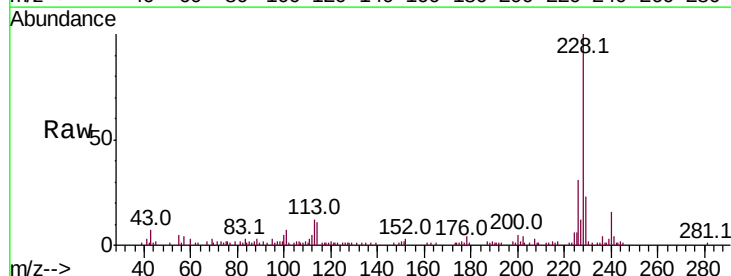
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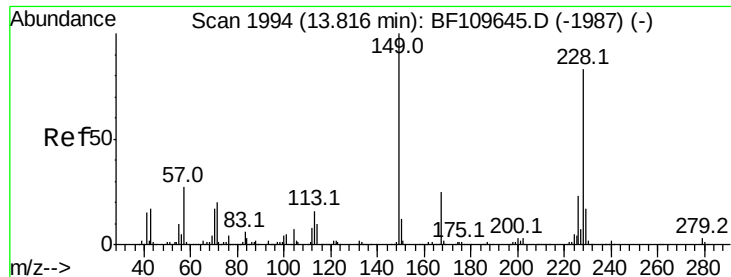
Sohil
10/9/2018 2:57:59 PM



#82
Chrysene
Concen: 4.545 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF109680.D
Acq: 9 Oct 2018 7:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.7	37.1
229	22.8	15.9	23.9





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.291 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

Instrument :

BNA_F

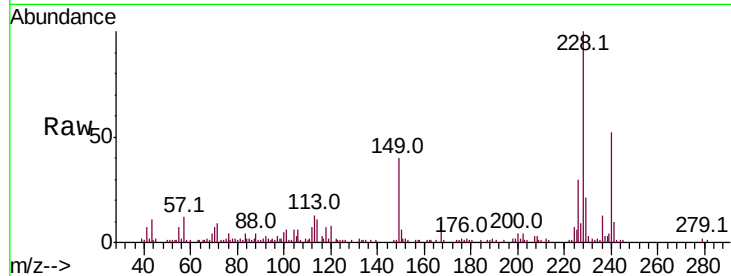
ClientSampled :

331-CON

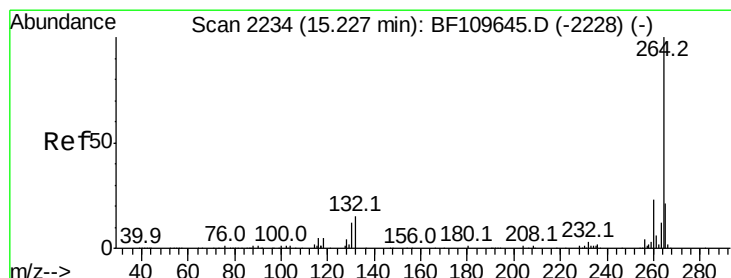
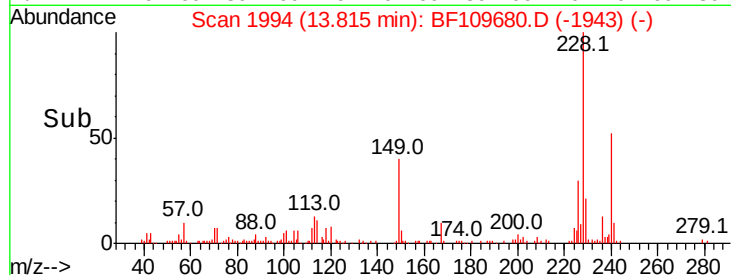
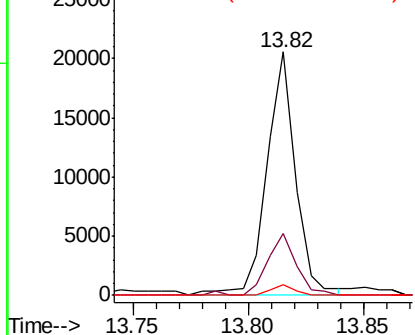
Tot Ion:	149	Resp:	17853
Ion Ratio	Lower	Upper	
149	100		
167	25.4	19.8	29.8
279	4.2	2.7	4.1#

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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

Perylene-d12

Concen: 20.000 ng

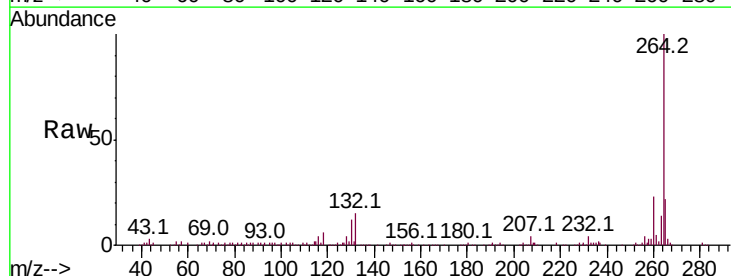
RT: 15.23 min Scan# 2234

Delta R.T. -0.00 min

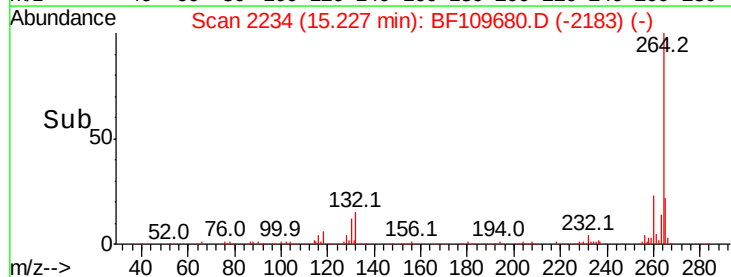
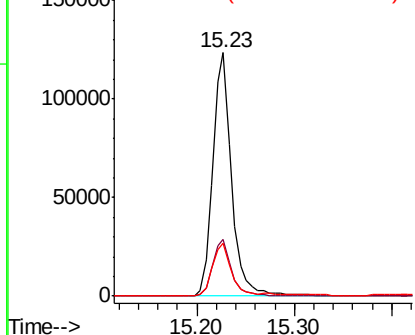
Lab File: BF109680.D

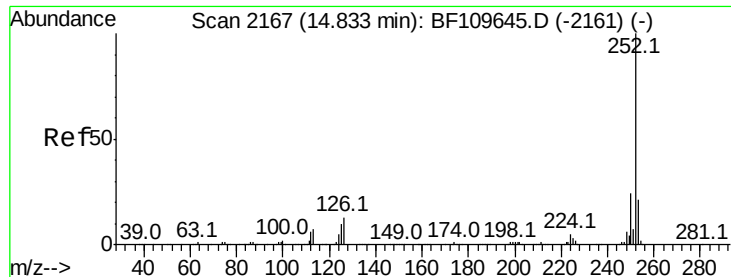
Acq: 9 Oct 2018 7:01

Tgt Ion:	264	Resp:	164233
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.7	28.1
265	21.7	16.7	25.1



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





#87

Benzo(b)fluoranthene

Concen: 5.897 ng m

RT: 14.83 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

Instrument :

BNA_F

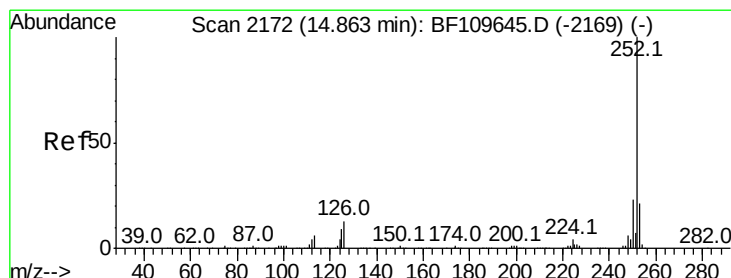
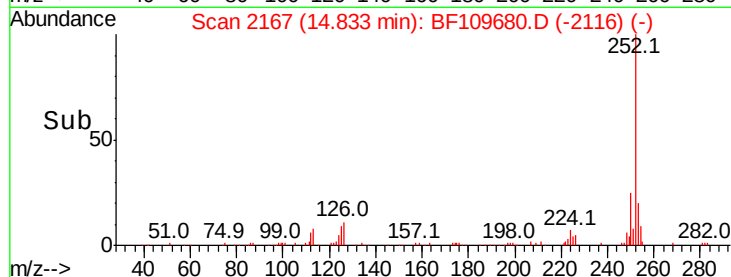
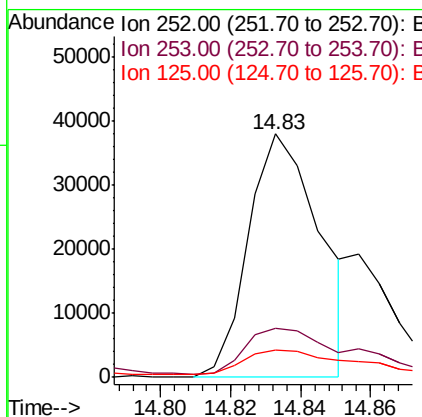
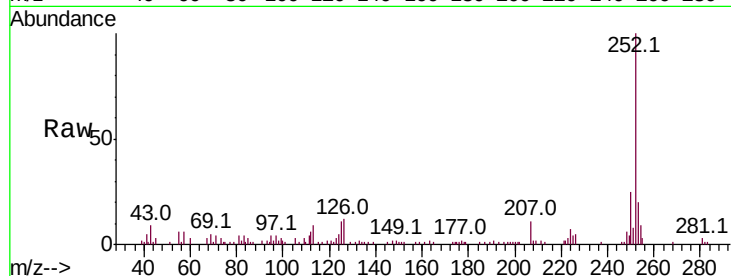
ClientSampled :

331-CON

Tot Ion:	252	Resp:	53520
Ion Ratio	Lower	Upper	
252	100		
253	20.4	17.2	25.8
125	11.4	8.2	12.4

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#88

Benzo(k)fluoranthene

Concen: 2.052 ng m

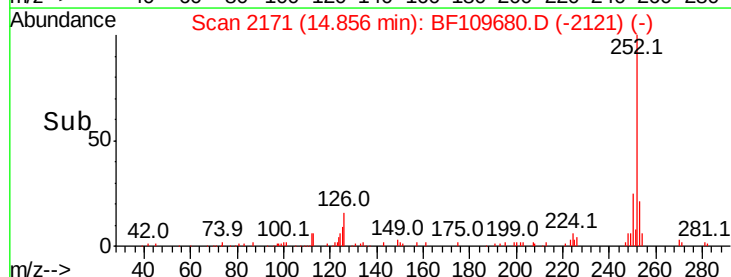
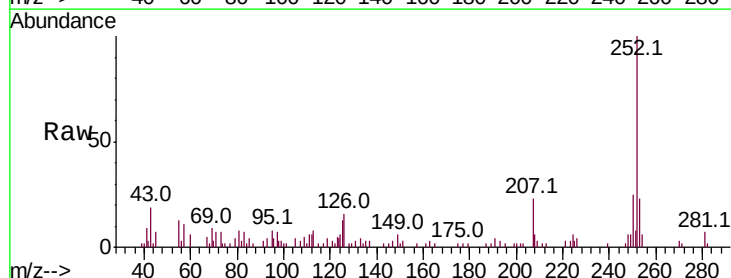
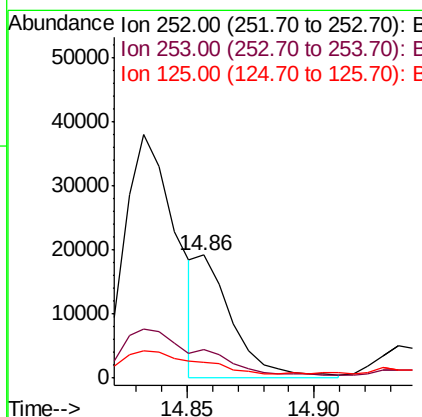
RT: 14.86 min Scan# 2171

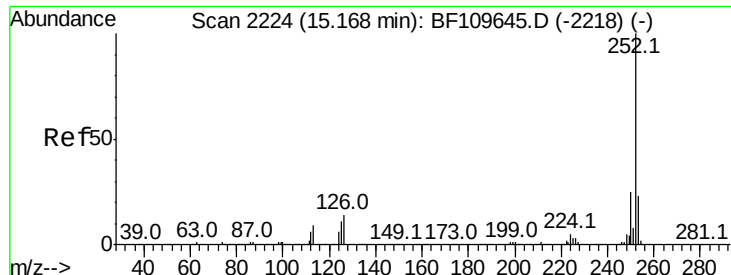
Delta R.T. -0.01 min

Lab File: BF109680.D

Acq: 9 Oct 2018 7:01

Tgt Ion:	252	Resp:	18709
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.2	25.8
125	12.6	7.4	11.0#





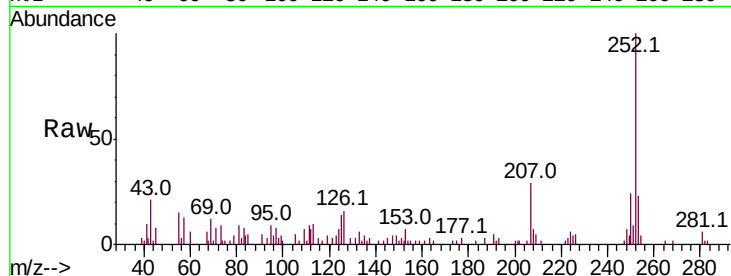
#89
 Benzo(a)pyrene
 Concen: 2.891 ng
 RT: 15.17 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: BF109680.D
 Acq: 9 Oct 2018 7:01

Instrument :
 BNA_F
 ClientSampleId :
 331-CON

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	18.2	27.4
125	13.6	9.0	13.6

Manual Integrations
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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

