

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108346.D
 Acq On : 21 Aug 2018 19:20
 Operator : JU/SJ
 Sample : J4521-10DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 72-11975DL

Manual Integrations
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Sohil
 8/22/2018 4:02:54 PM

Quant Time: Aug 21 23:38:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	175683	20.00	ng	-0.01
21) Naphthalene-d8	8.29	136	702713	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	354139	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	667773	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	396399	20.00	ng	-0.02
86) Perylene-d12	15.75	264	393686	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	81258	8.37	ng	-0.01
7) Phenol-d6	6.61	99	111651	8.66	ng	-0.02
23) Nitrobenzene-d5	7.56	82	70029	5.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	25155	7.12	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	148139	6.72	ng	-0.02
78) Terphenyl-d14	13.12	244	130557	8.37	ng	-0.02
Target Compounds						
70) Phenanthrene	11.57	178	224964	7.143	ng	Qvalue 97
71) Anthracene	11.62	178	85656	2.653	ng	98
74) Fluoranthene	12.77	202	570481	16.596	ng	95
77) Pyrene	12.99	202	519443	20.698	ng	100
80) Benzo(a)anthracene	14.18	228	231152	10.161	ng	99
82) Chrysene	14.22	228	188322	9.029	ng	99
85) Indeno(1,2,3-cd)pyrene	17.35	276	107955	5.974	ng	# 89
87) Benzo(b)fluoranthene	15.28	252	236191m	10.040	ng	
88) Benzo(k)fluoranthene	15.31	252	90066m	4.165	ng	
89) Benzo(a)pyrene	15.68	252	187917	8.921	ng	95
91) Benzo(g,h,i)perylene	17.85	276	95145	5.544	ng	# 90

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

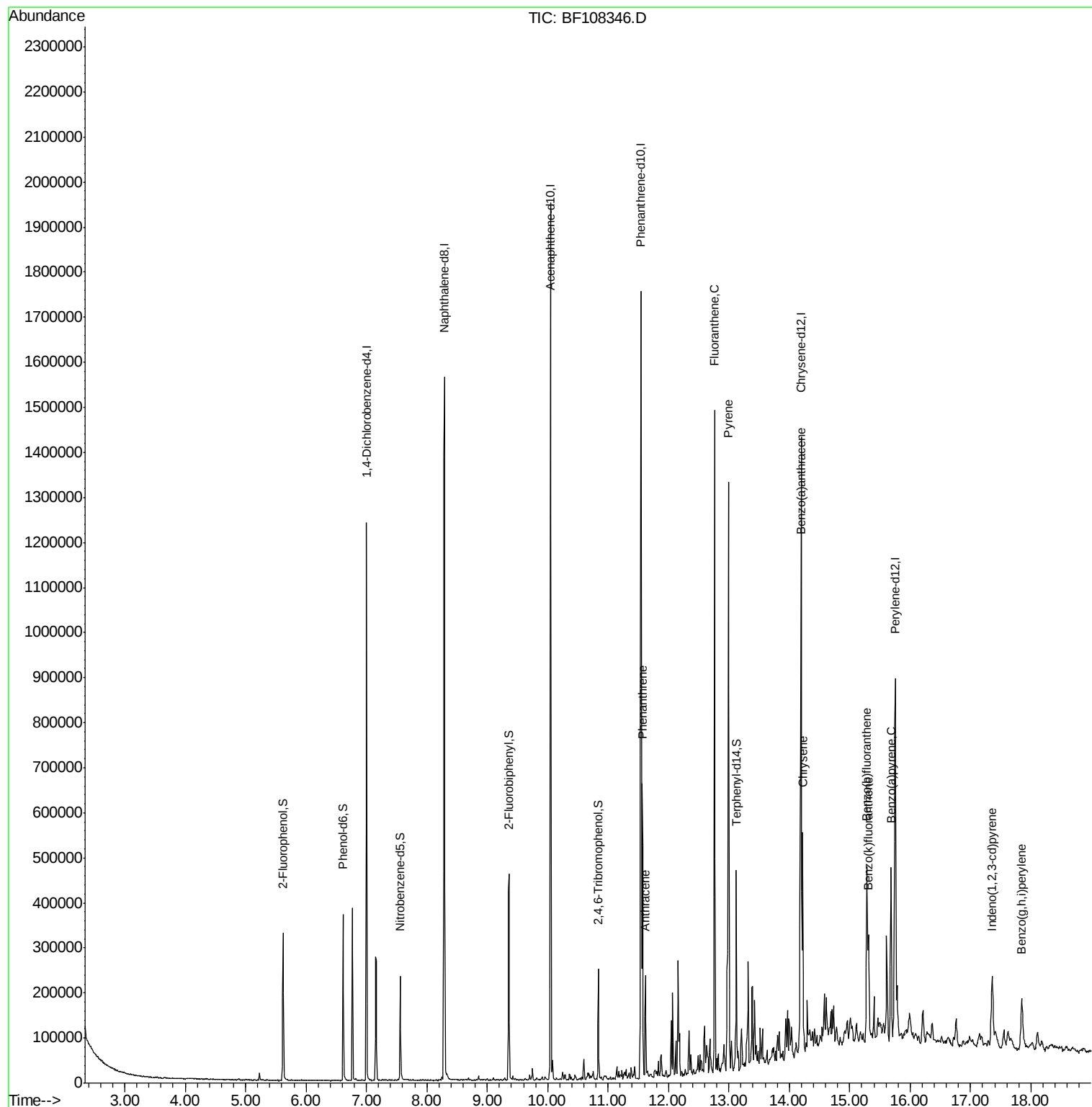
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
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Acq On : 21 Aug 2018 19:20
Operator : JU/SJ
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72-11975DL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 21 15:20:21 2018
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#1

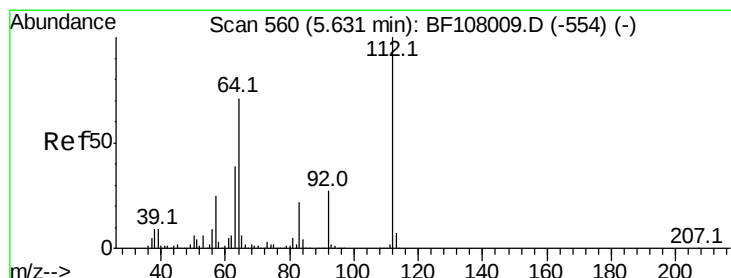
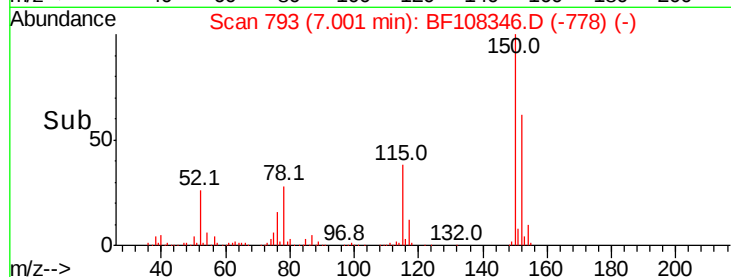
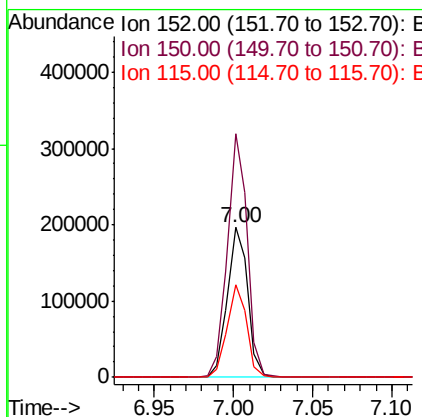
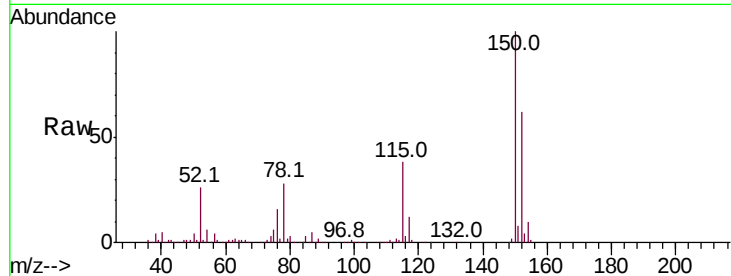
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108346.D
Acq: 21 Aug 2018 19:20

Instrument :
BNA_F
ClientSampleId :
72-11975DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.4	124.6	186.8
115	62.0	50.1	75.1

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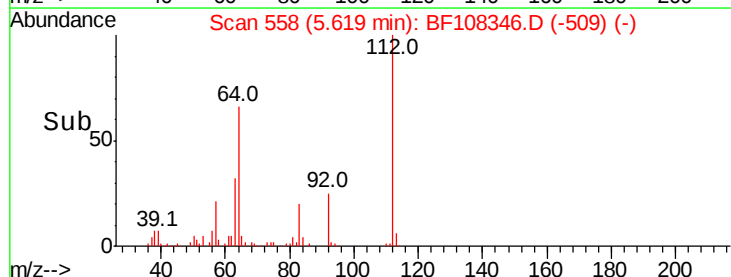
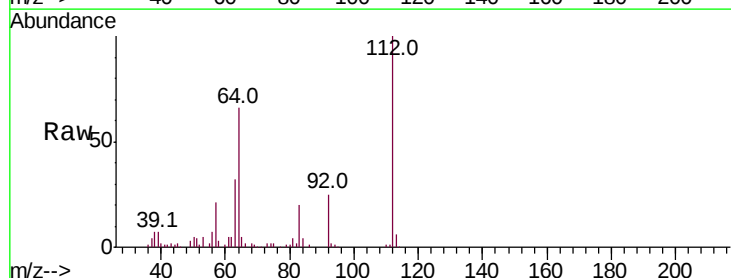
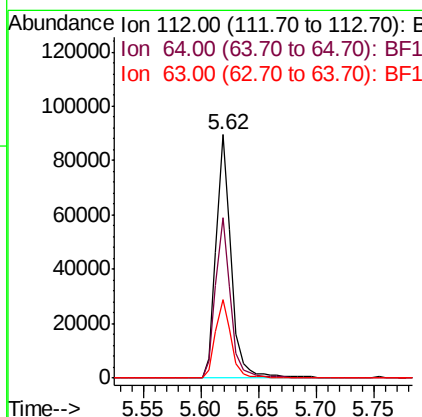
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#5

2-Fluorophenol
Concen: 8.374 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108346.D
Acq: 21 Aug 2018 19:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	47.9	71.9
63	32.4	23.7	35.5





#7

Phenol-d6

Concen: 8.658 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

Instrument :

BNA_F

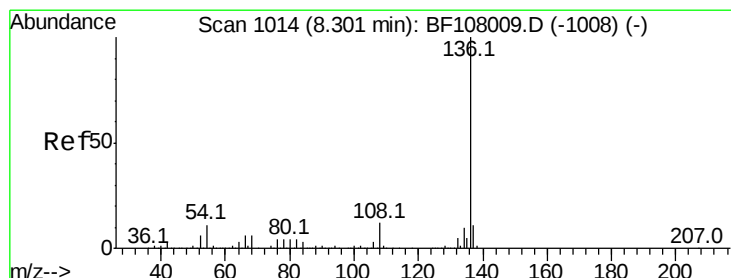
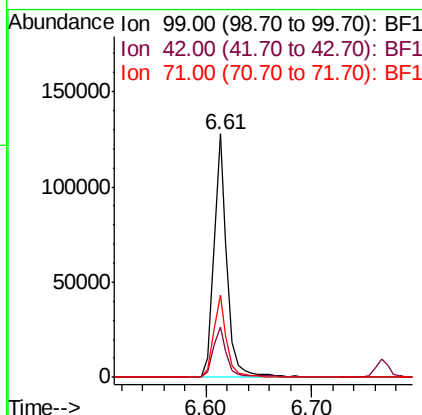
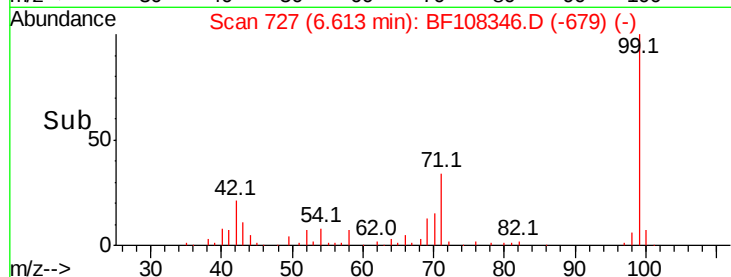
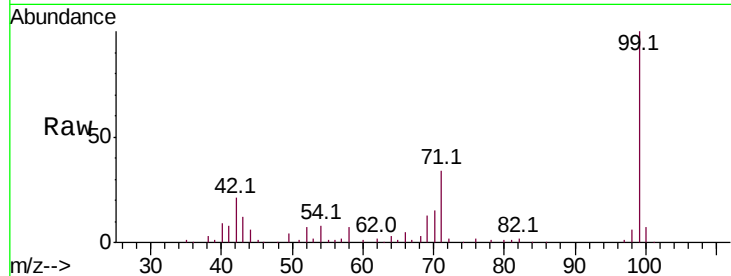
ClientSampleId :

72-11975DL

Tot Ion:	99	Resp:	111651
Ion Ratio	Lower	Upper	
99	100		
42	20.9	14.5	21.7
71	33.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

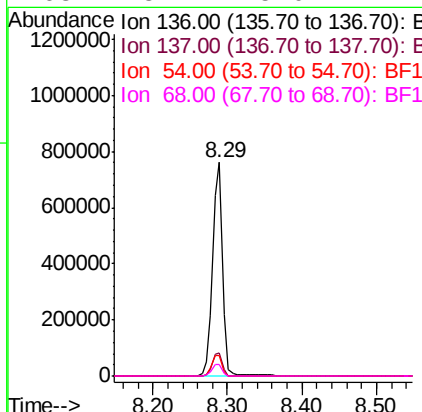
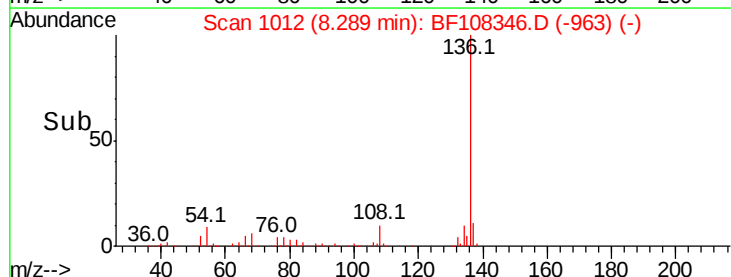
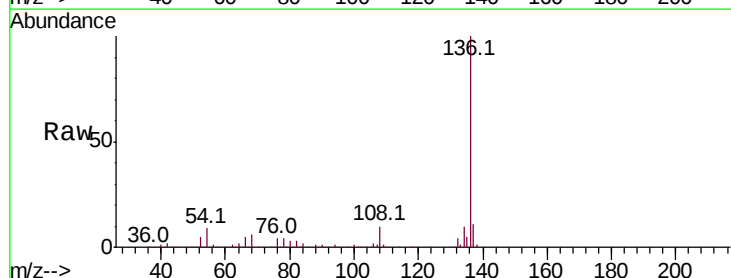
RT: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

Tgt Ion:	136	Resp:	702713
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	9.3	6.6	9.8
68	5.7	5.0	7.4





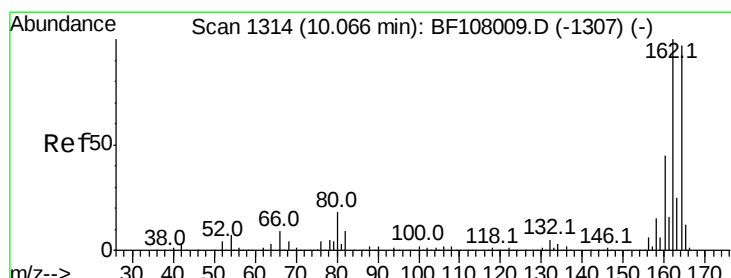
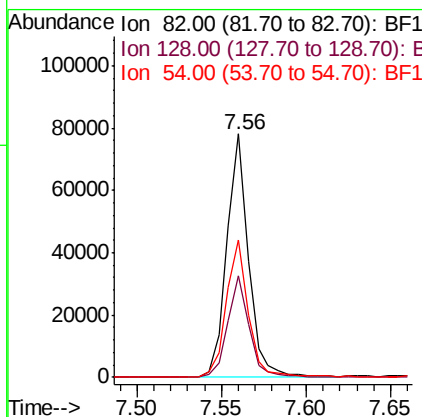
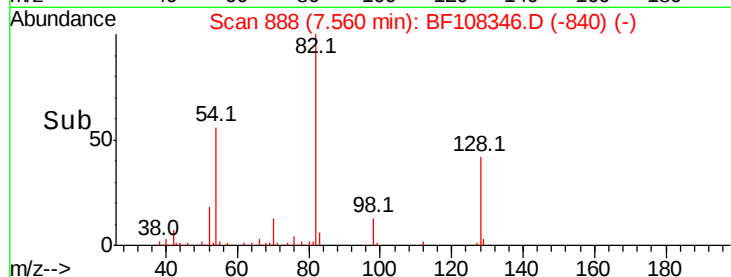
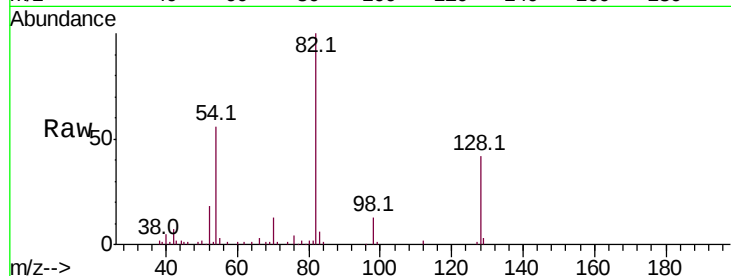
#23
 Nitrobenzene-d5
 Concen: 5.561 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BF108346.D
 Acq: 21 Aug 2018 19:20

Instrument :
 BNA_F
 ClientSampleID :
 72-11975DL

Tot Ion:	82	Resp:	70029
Ion Ratio	Lower	Upper	
82	100		
128	41.9	36.1	54.1
54	56.3	41.4	62.2

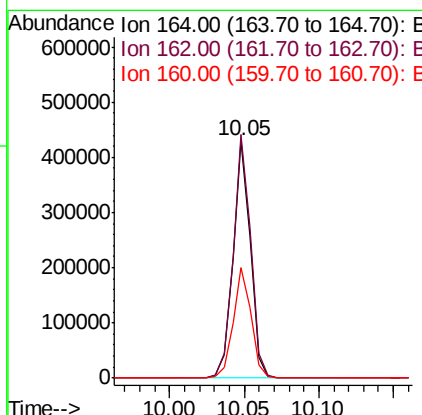
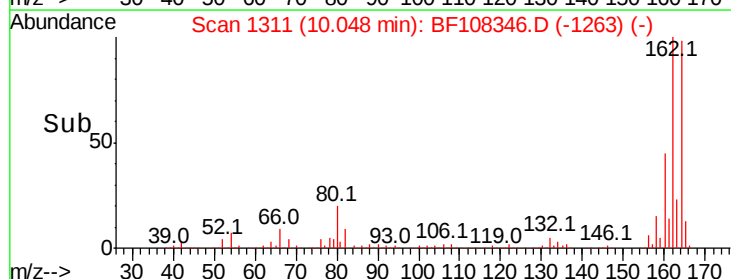
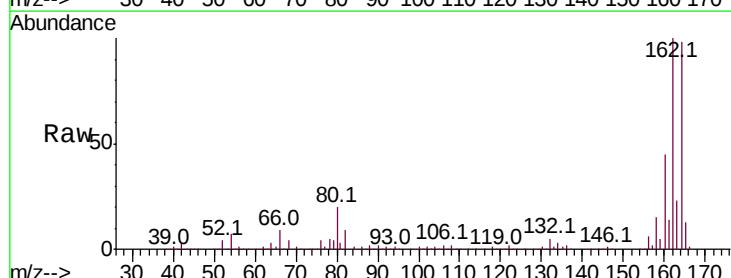
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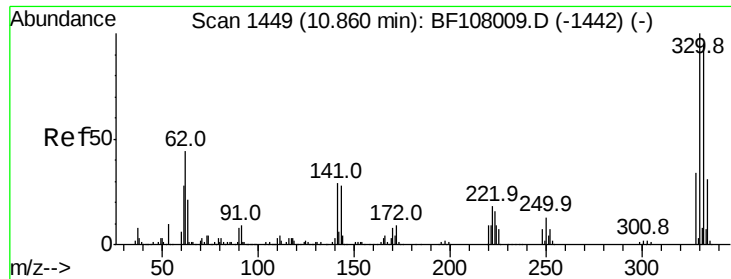
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF108346.D
 Acq: 21 Aug 2018 19:20

Tgt Ion:	164	Resp:	354139
Ion Ratio	Lower	Upper	
164	100		
162	102.5	86.1	129.1
160	46.4	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 7.121 ng

RT: 10.84 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

Instrument :

BNA_F

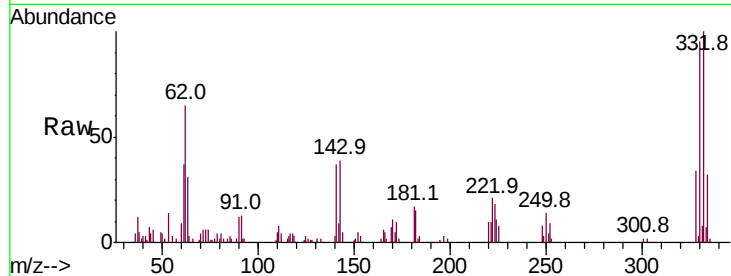
ClientSampleId :

72-11975DL

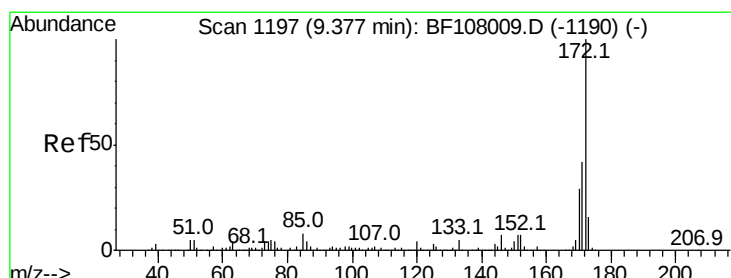
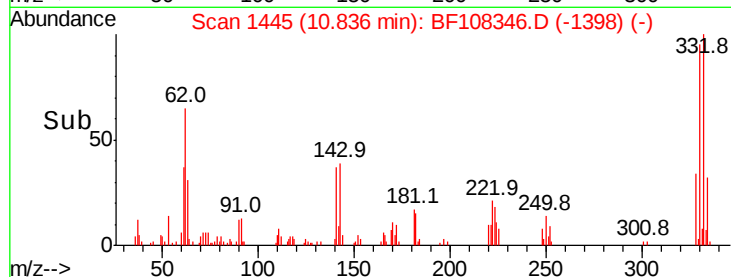
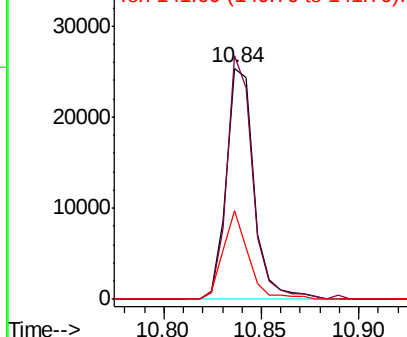
Tot Ion:	330	Resp:	25155
Ion Ratio	Lower	Upper	
330	100		
332	98.8	77.0	115.6
141	35.0	29.9	44.9

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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: 6.716 ng

RT: 9.36 min Scan# 1194

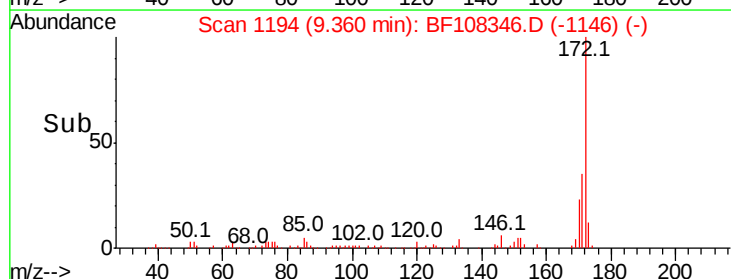
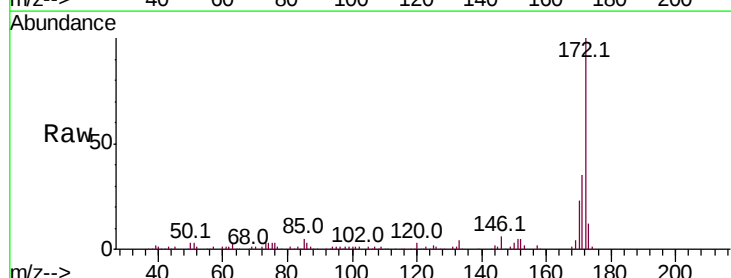
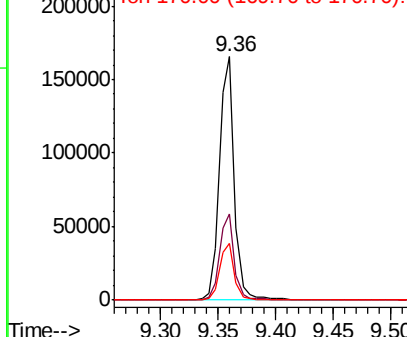
Delta R.T. -0.02 min

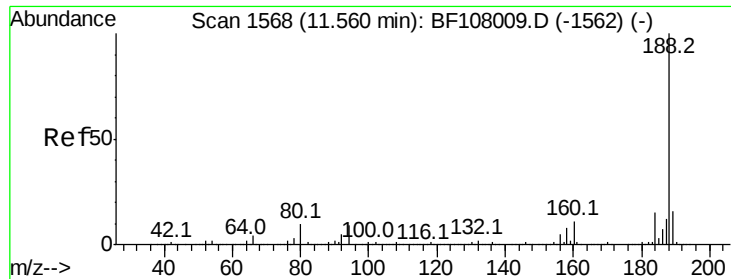
Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

Tgt Ion:	172	Resp:	148139
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.7	44.5
170	23.1	19.6	29.4

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





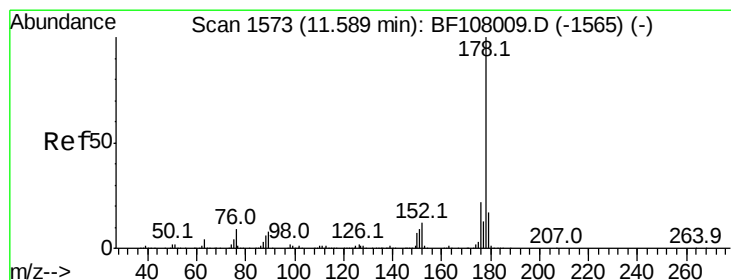
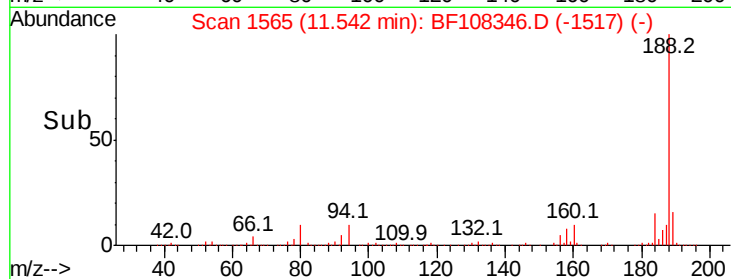
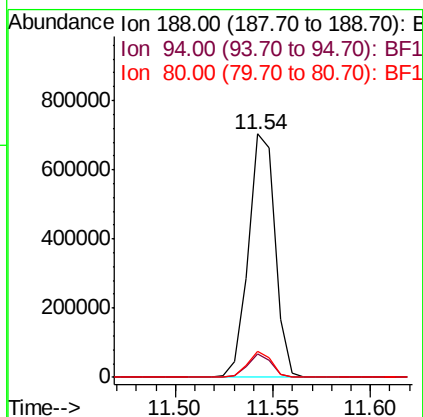
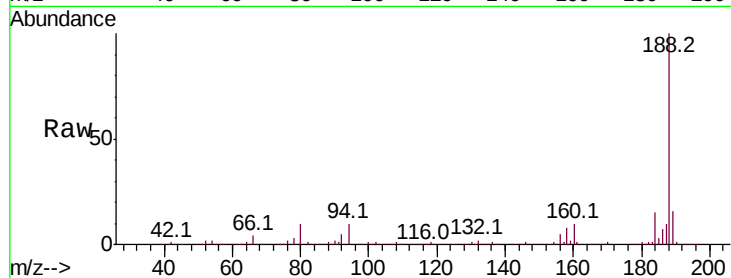
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BF108346.D
Acq: 21 Aug 2018 19:20

Instrument :
BNA_F
ClientSampleId :
72-11975DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	667773		
94	9.5		8.5	12.7
80	10.5		9.2	13.8

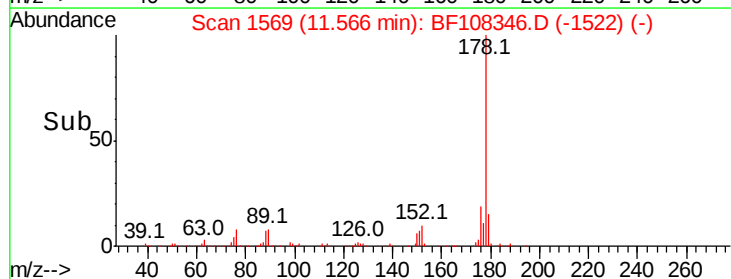
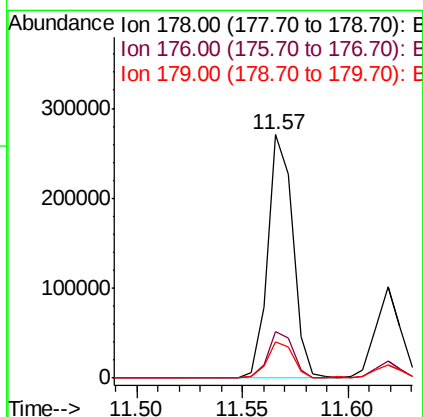
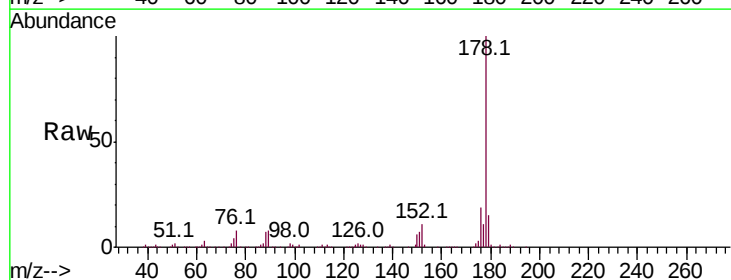
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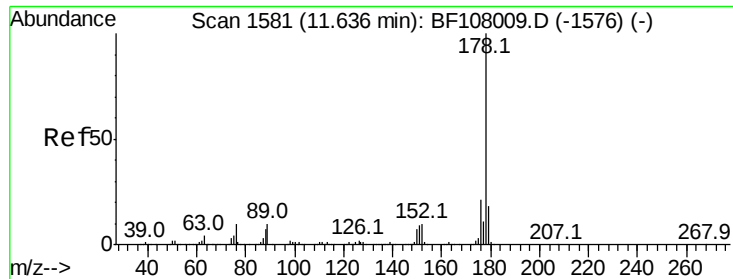
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#70
Phenanthrene
Concen: 7.143 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF108346.D
Acq: 21 Aug 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	224964		
176	19.1		15.8	23.8
179	14.7		13.0	19.6





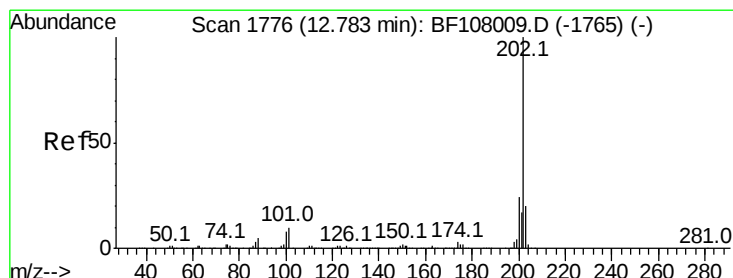
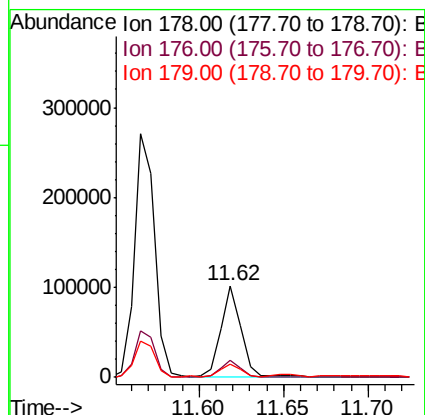
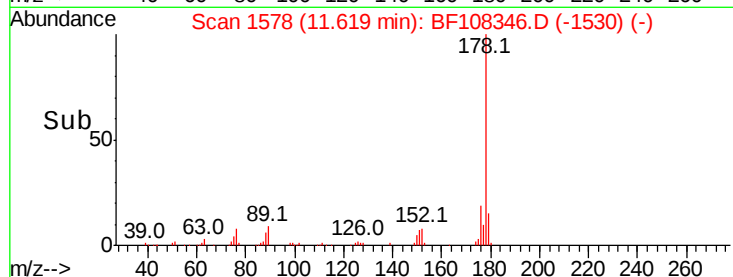
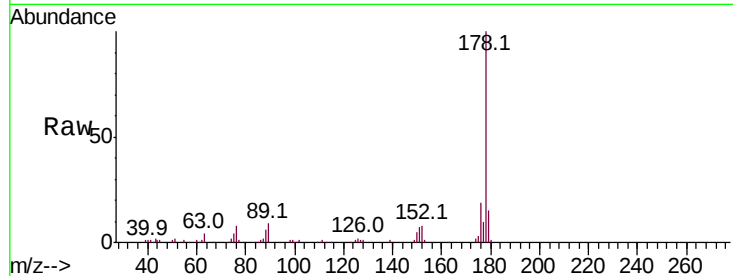
#71
 Anthracene
 Concen: 2.653 ng
 RT: 11.62 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: BF108346.D
 Acq: 21 Aug 2018 19:20

Instrument :
 BNA_F
 ClientSampleId :
 72-11975DL

Tot Ion:	178	Resp:	85656
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.4	23.2
179	14.8	12.6	19.0

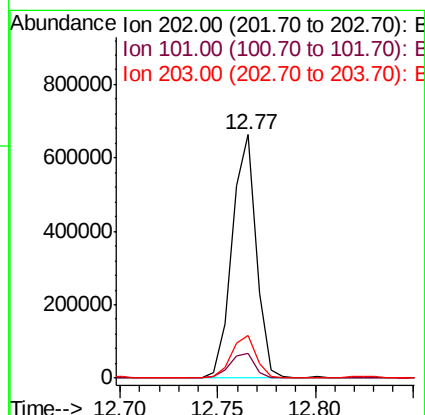
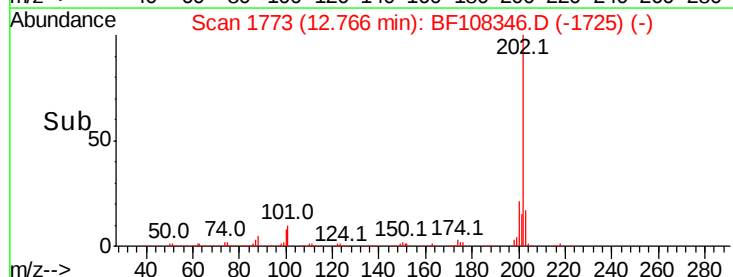
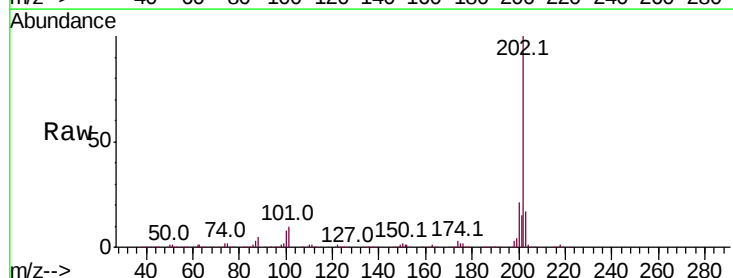
Manual Integrations
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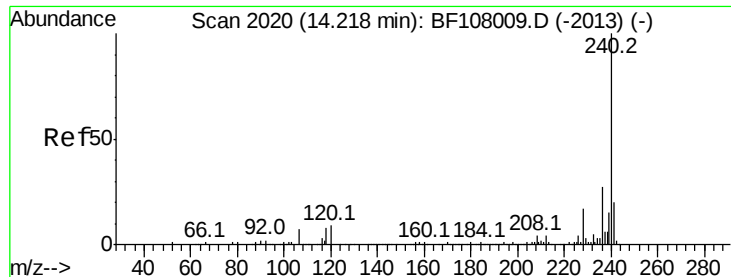
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#74
 Fluoranthene
 Concen: 16.596 ng
 RT: 12.77 min Scan# 1773
 Delta R.T. -0.02 min
 Lab File: BF108346.D
 Acq: 21 Aug 2018 19:20

Tgt Ion:	202	Resp:	570481
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	34.1
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

Instrument :

BNA_F

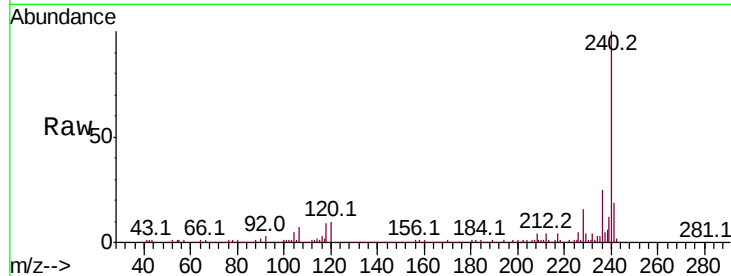
ClientSampleId :

72-11975DL

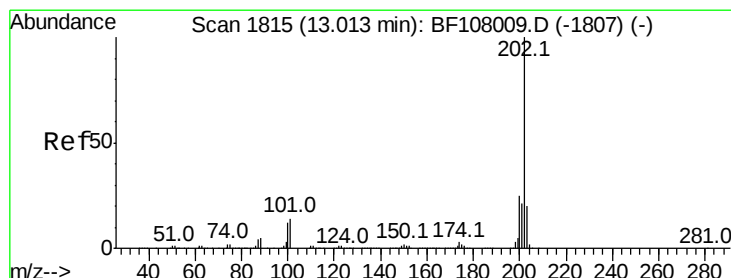
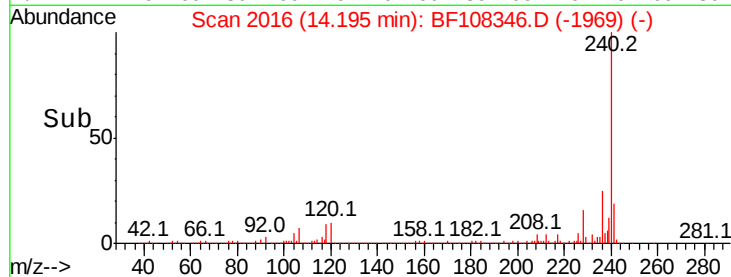
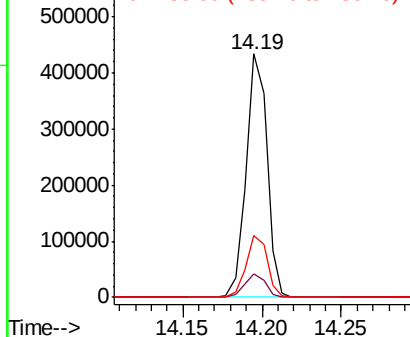
Tot Ion:	240	Resp:	396399
Ion Ratio	Lower	Upper	
240	100		
120	9.9	9.5	14.3
236	25.4	20.7	31.1

Manual Integrations
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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



#77

Pyrene

Concen: 20.698 ng

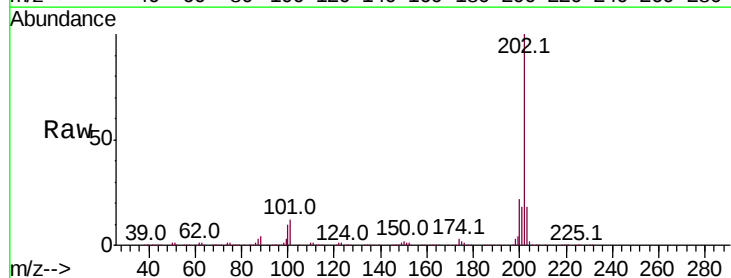
RT: 12.99 min Scan# 1812

Delta R.T. -0.02 min

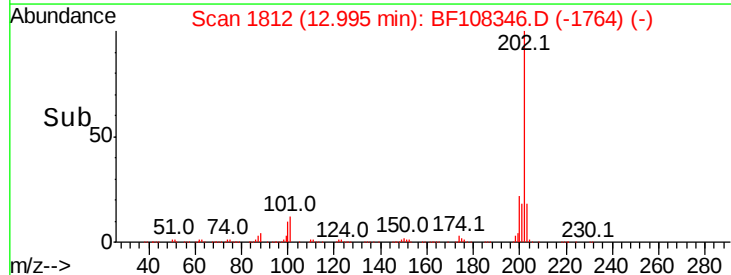
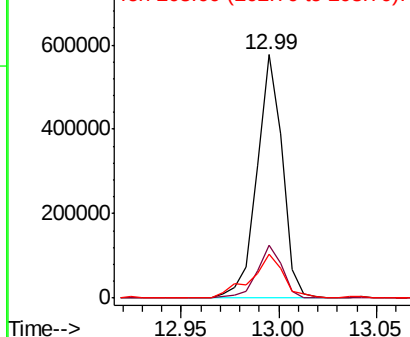
Lab File: BF108346.D

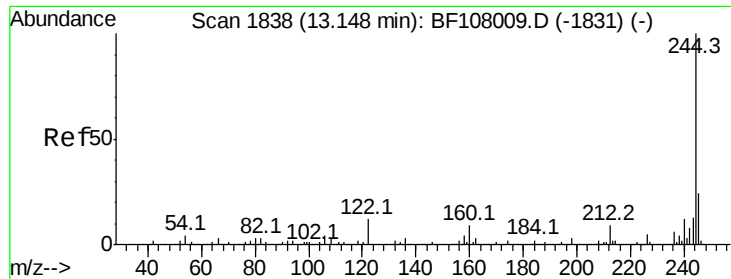
Acq: 21 Aug 2018 19:20

Tgt Ion:	202	Resp:	519443
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	17.8	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.374 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

Instrument :

BNA_F

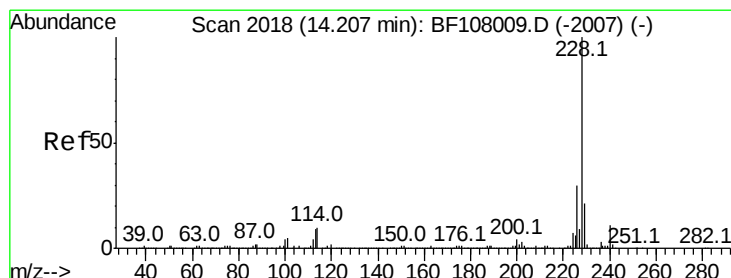
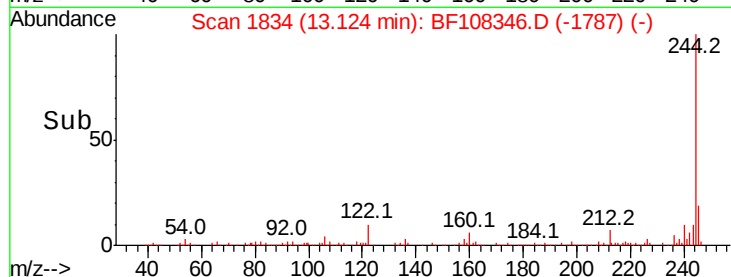
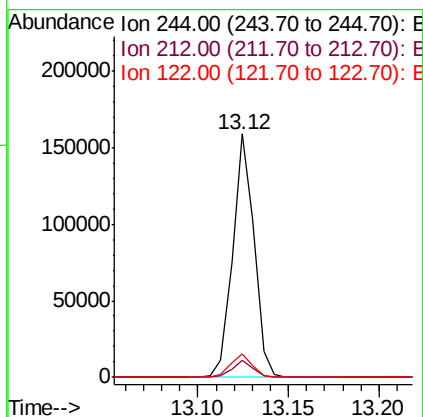
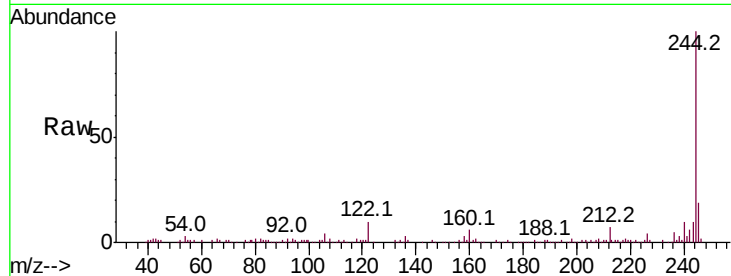
ClientSampleId :

72-11975DL

Tot Ion:	244	Resp:	130557
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	9.6	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 10.161 ng

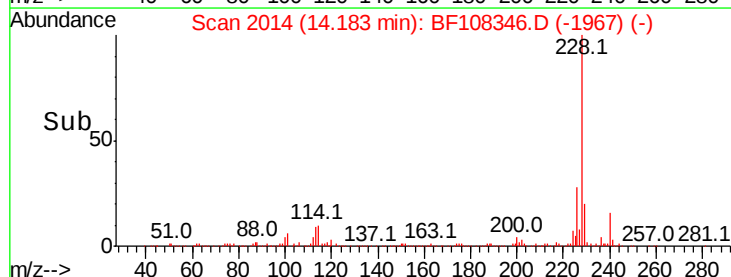
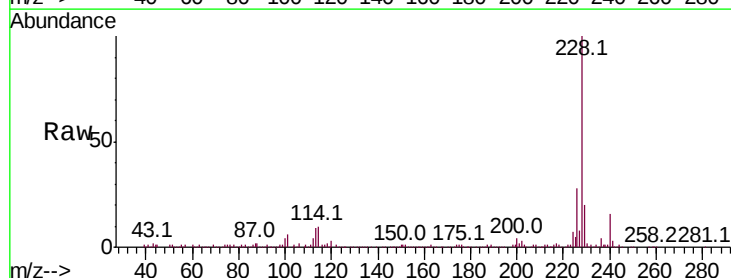
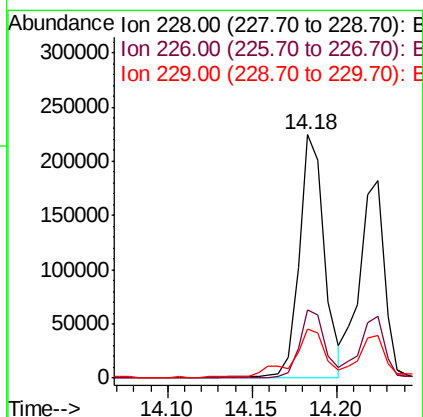
RT: 14.18 min Scan# 2014

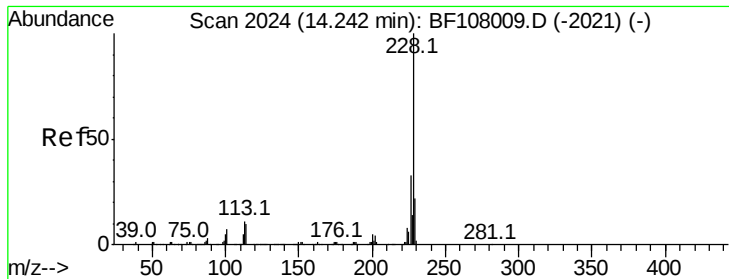
Delta R.T. -0.02 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

Tgt Ion:	228	Resp:	231152
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.6	33.8
229	20.2	15.8	23.6





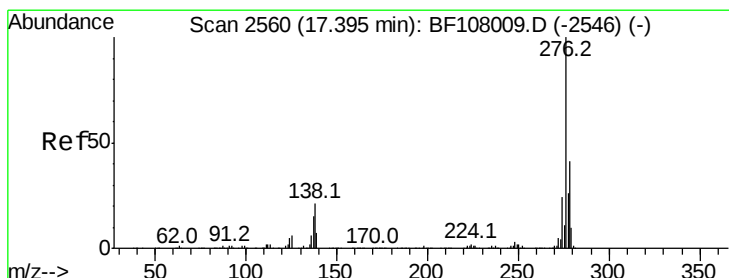
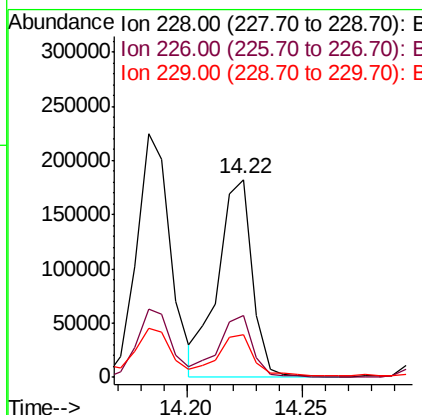
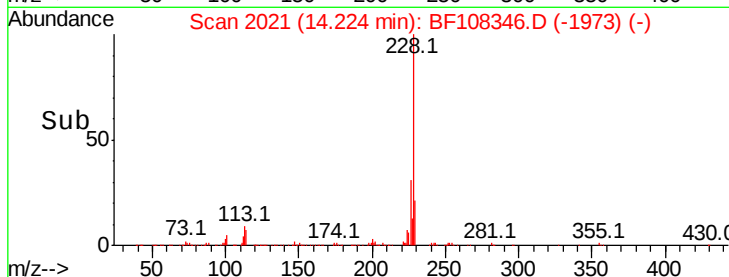
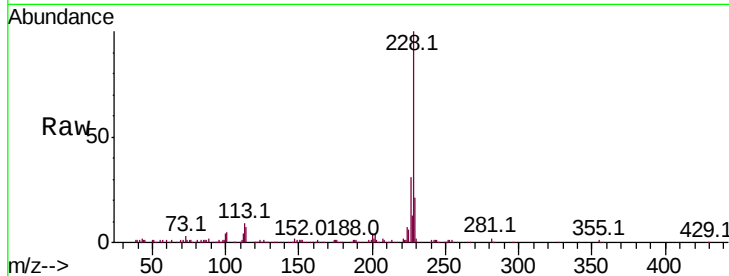
#82
Chrysene
Concen: 9.029 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF108346.D
Acq: 21 Aug 2018 19:20

Instrument :
BNA_F
ClientSampleId :
72-11975DL

Tot Ion:228	Resp:	188322
Ion Ratio	Lower	Upper
228 100		
226 31.4	25.0	37.6
229 21.3	16.2	24.4

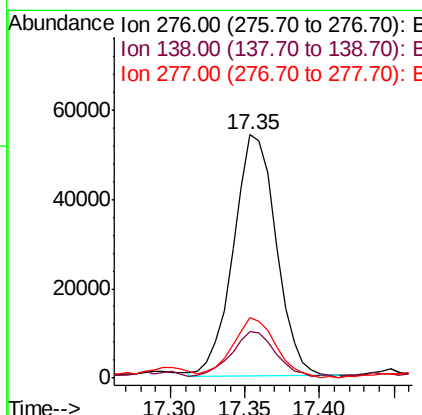
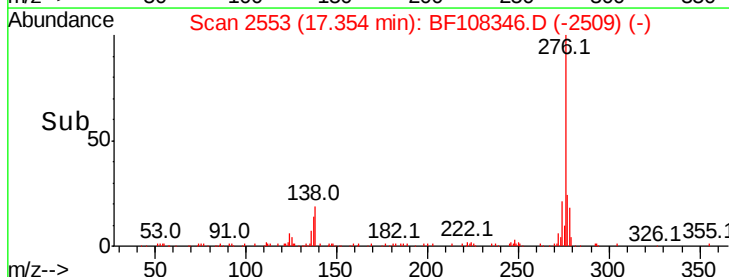
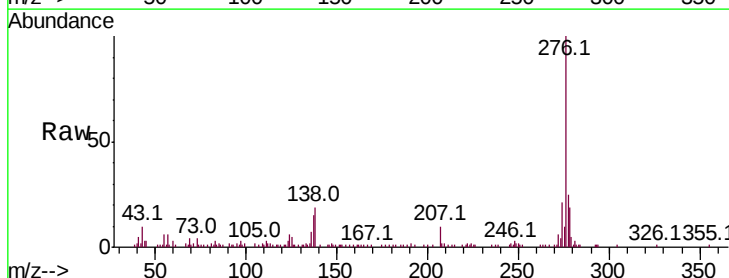
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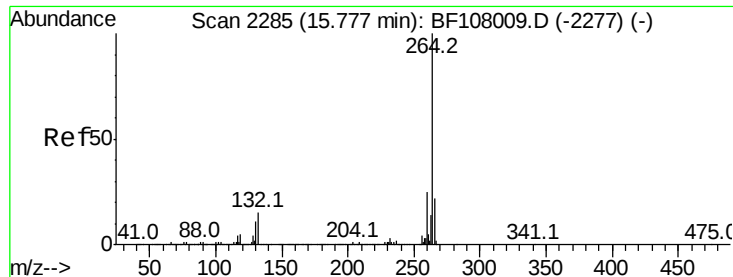
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.974 ng
RT: 17.35 min Scan# 2553
Delta R.T. -0.04 min
Lab File: BF108346.D
Acq: 21 Aug 2018 19:20

Tgt Ion:276	Resp:	107955
Ion Ratio	Lower	Upper
276 100		
138 20.9	25.0	37.6#
277 25.6	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

Instrument :

BNA_F

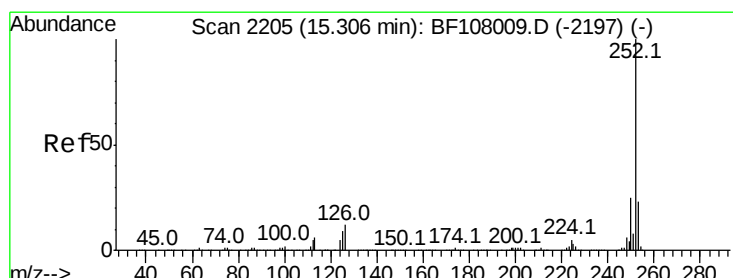
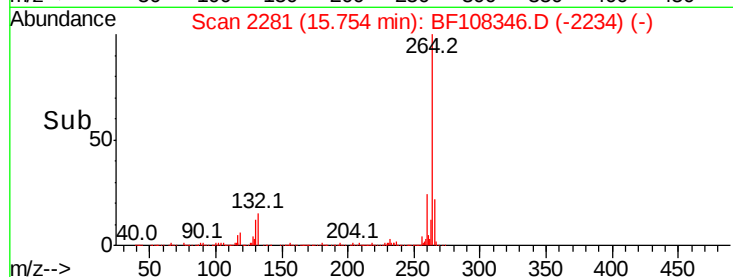
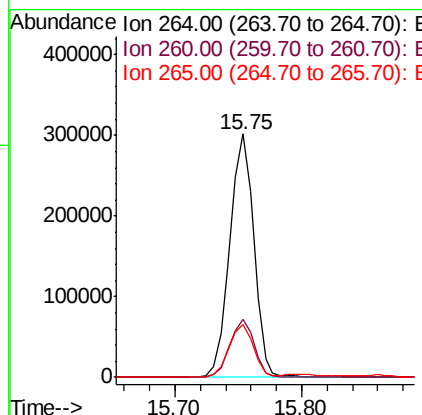
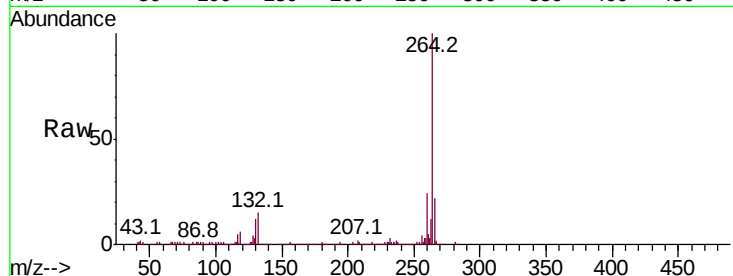
ClientSampleId :

72-11975DL

Tot Ion:	264	Resp:	393686
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	21.7	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 10.040 ng m

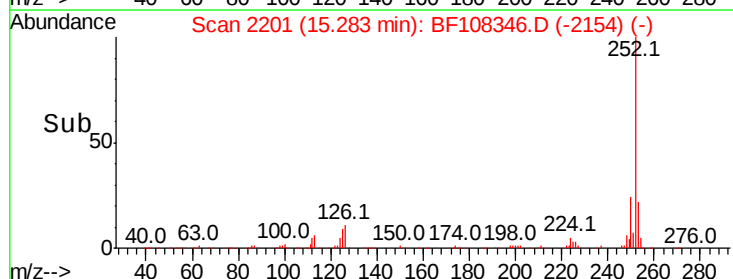
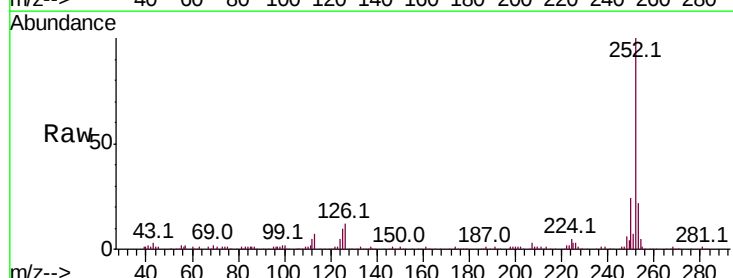
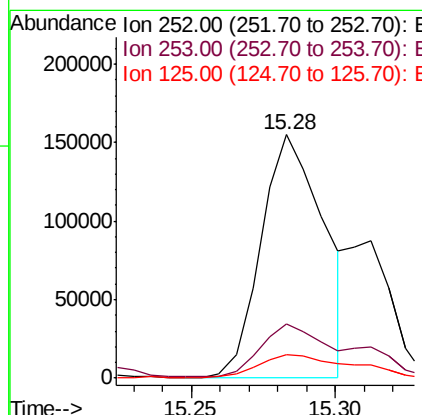
RT: 15.28 min Scan# 2201

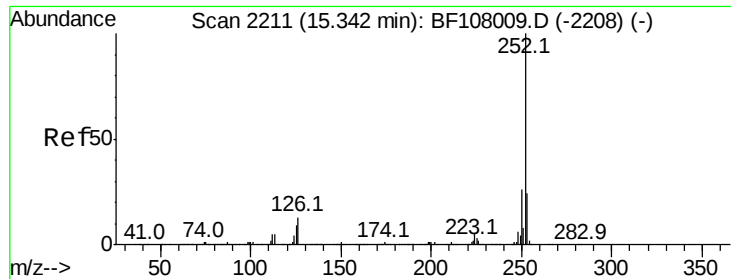
Delta R.T. -0.02 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

Tgt Ion:	252	Resp:	236191
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.0	25.6
125	9.8	9.0	13.6





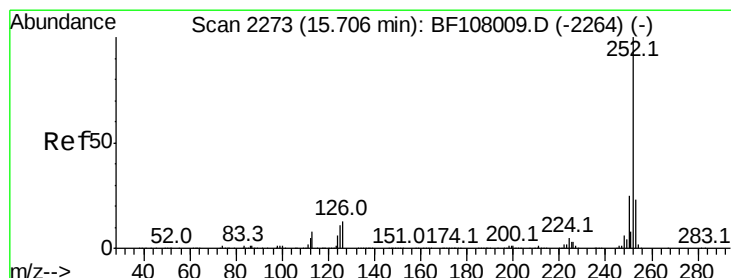
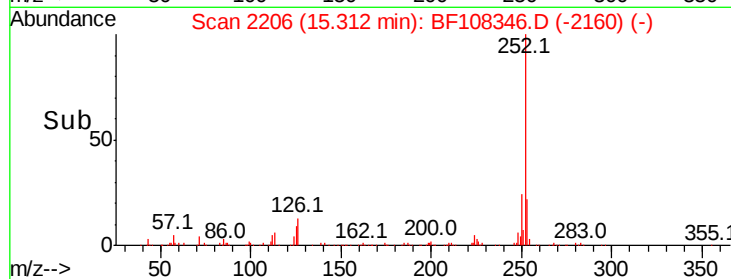
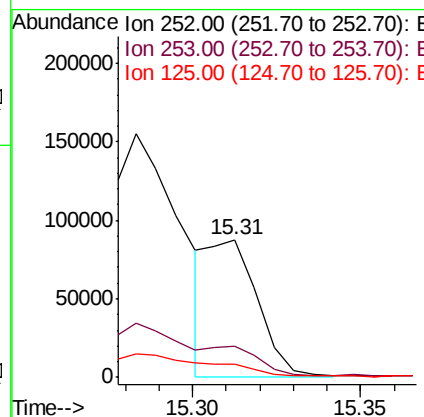
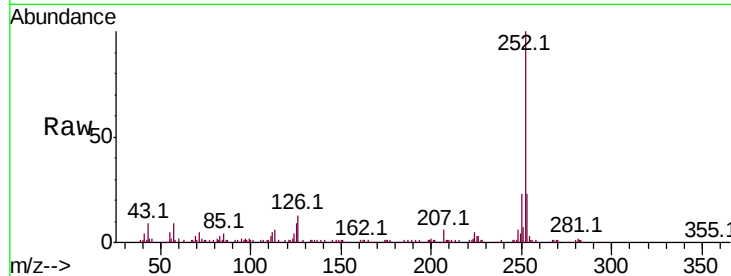
#88
Benzo(k)fluoranthene
Concen: 4.165 ng m
RT: 15.31 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF108346.D
Acq: 21 Aug 2018 19:20

Instrument :
BNA_F
ClientSampleId :
72-11975DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	9.4	10.2	15.2

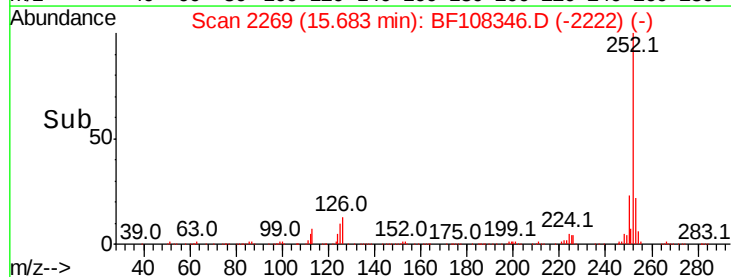
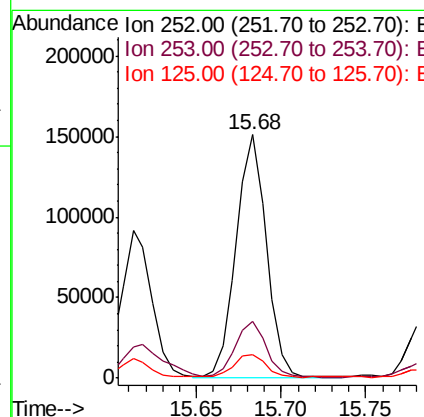
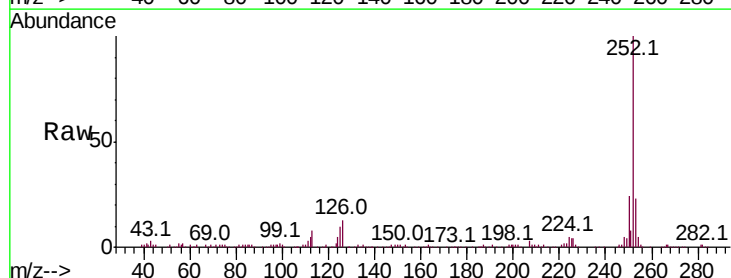
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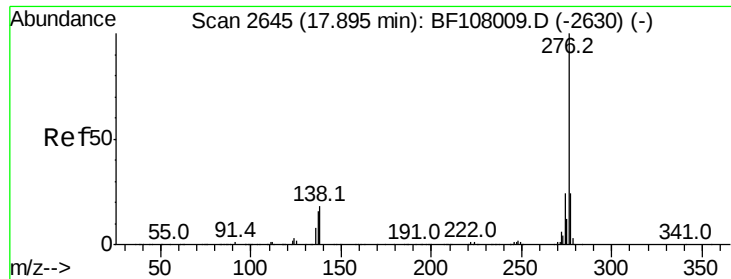
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#89
Benzo(a)pyrene
Concen: 8.921 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF108346.D
Acq: 21 Aug 2018 19:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	9.9	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.544 ng
 RT: 17.85 min Scan# 2637
 Delta R.T. -0.05 min
 Lab File: BF108346.D
 Acq: 21 Aug 2018 19:20

Instrument :
 BNA_F
 ClientSampleId :
 72-11975DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.9	26.9
138	18.4	21.8	32.8

Manual Integrations
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