

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
 Data File : BF112160.D
 Acq On : 21 Jan 2019 15:56
 Operator : JU/SJ
 Sample : K1013-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-A

Manual Integrations
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 1/22/2019 9:59:04 AM

Quant Time: Jan 21 18:02:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	223999	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	776547	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	301984	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	540789	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	519882	20.00	ng	0.00
87) Perylene-d12	15.49	264	388822	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	322194	26.11	ng	0.00
7) Phenol-d6	6.49	99	388751	25.18	ng	-0.01
23) Nitrobenzene-d5	7.41	82	207217	18.44	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	76960	23.62	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	412810	20.04	ng	0.00
79) Terphenyl-d14	12.96	244	416412	17.04	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.16	128	86623	2.453	ng	99
52) Acenaphthene	9.92	154	61089	3.462	ng	99
55) Dibenzofuran	10.09	168	60384	2.263	ng	# 96
58) Fluorene	10.44	166	114227	5.728	ng	96
71) Phenanthrene	11.40	178	794011	29.175	ng	98
72) Anthracene	11.45	178	296625	10.759	ng	99
75) Fluoranthene	12.59	202	1236042	43.015	ng	99
78) Pyrene	12.82	202	1162278	33.886	ng	99
81) Benzo(a)anthracene	14.01	228	574355	19.268	ng	99
83) Chrysene	14.04	228	482825	17.118	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	191052	7.342	ng	94
88) Benzo(b)fluoranthene	15.07	252	513276m	23.256	ng	
89) Benzo(k)fluoranthene	15.09	252	194573m	9.108	ng	
90) Benzo(a)pyrene	15.43	252	376677	18.610	ng	99
91) Dibenzo(a,h)anthracene	16.97	278	49415	2.749	ng	# 88
92) Benzo(g,h,i)perylene	17.42	276	183606	10.367	ng	98

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

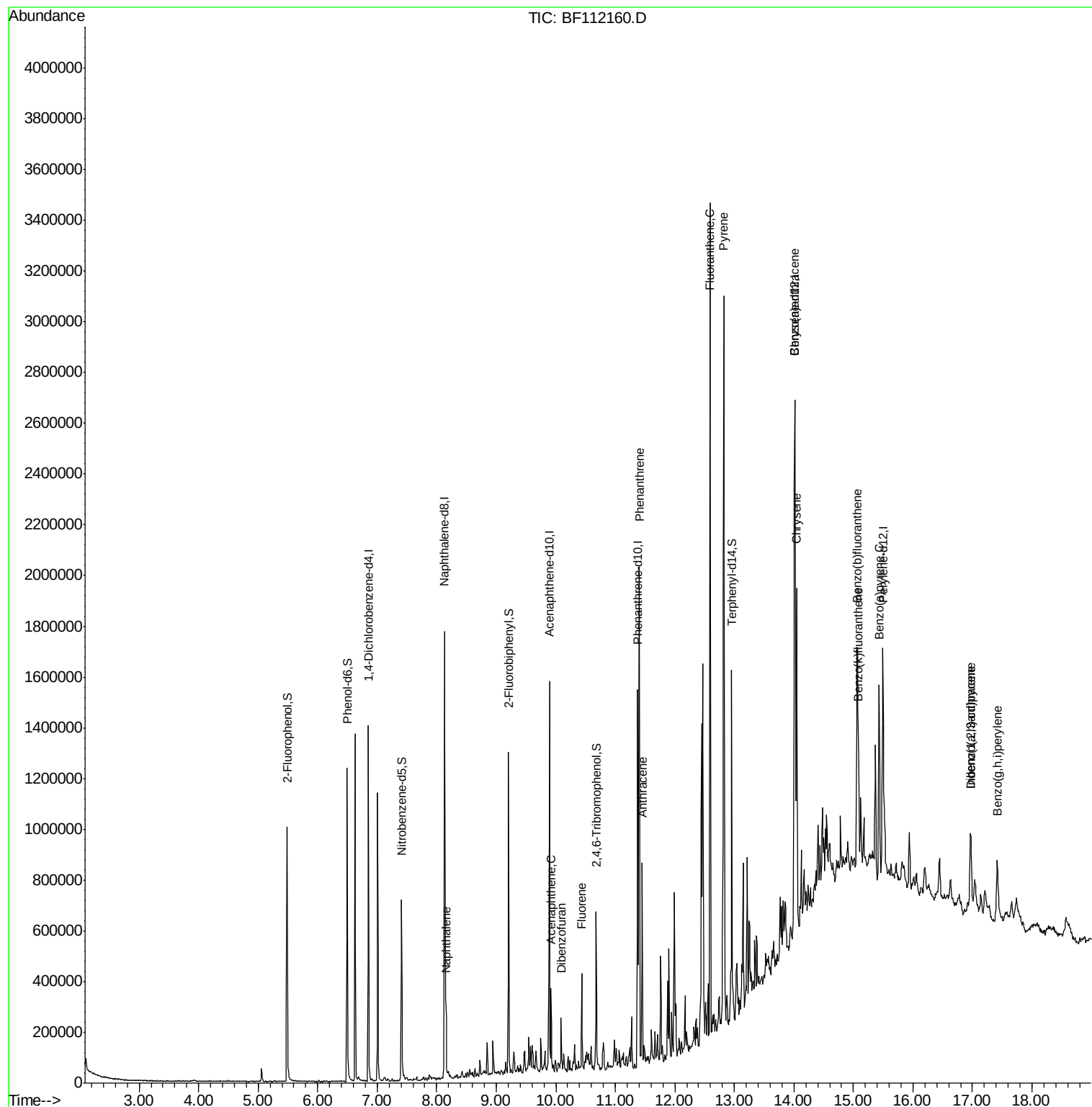
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112160.D
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Sample : K1013-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

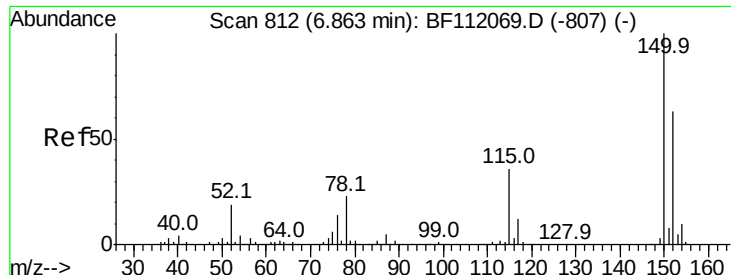
Instrument :
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PL-01-011819-A

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

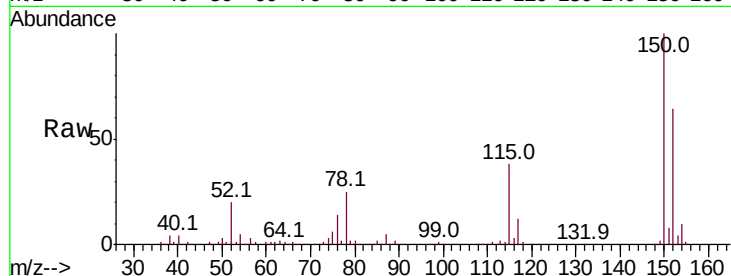
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	127.4	191.0
115	58.6	45.5	68.3

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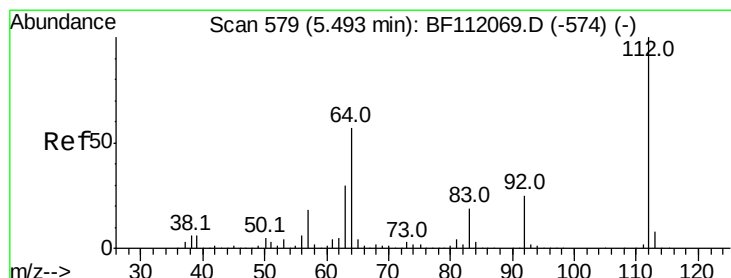
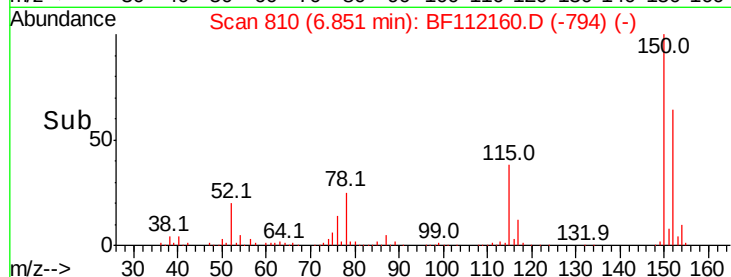
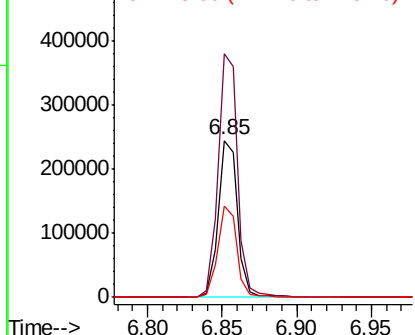


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

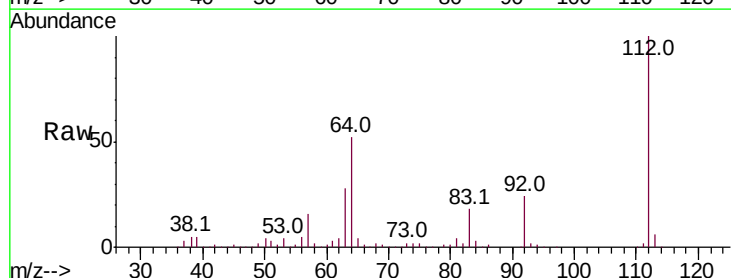
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 26.107 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	45.7	68.5
63	27.5	23.6	35.4

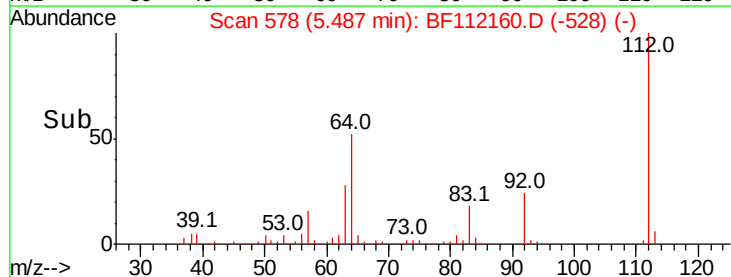
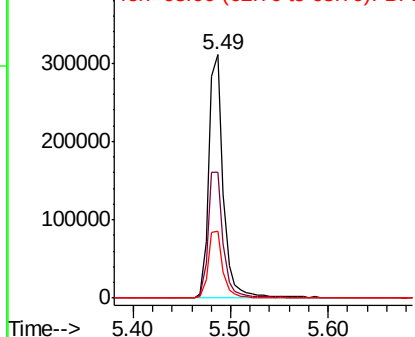


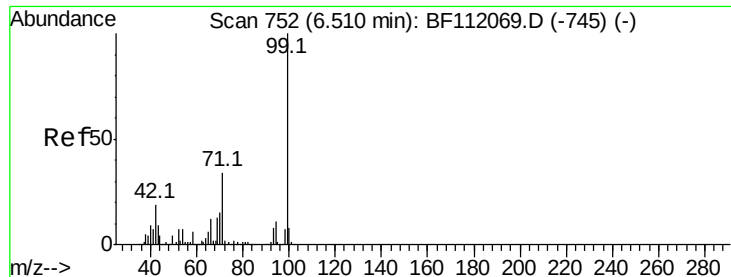
Abundance

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: 25.177 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112160.D

Acq: 21 Jan 2019 15:56

Instrument :

BNA_F

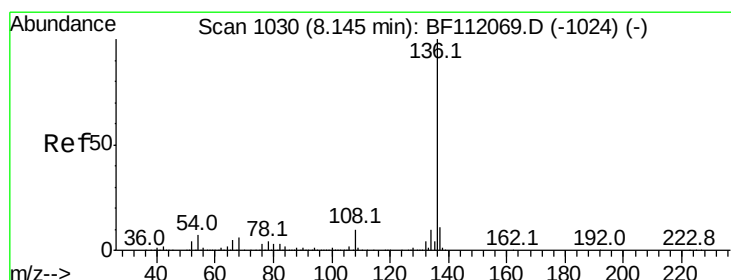
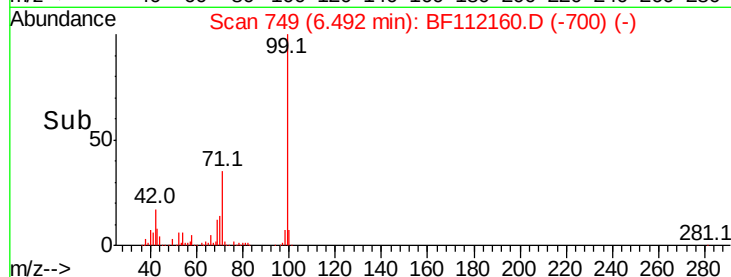
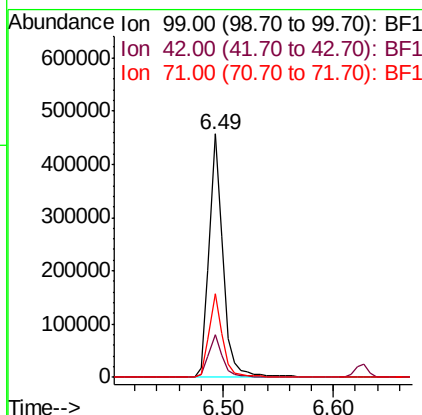
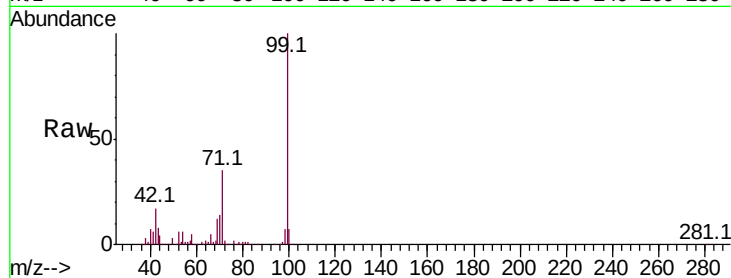
ClientSampleId :

PL-01-011819-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		388751		
42	17.4	15.1	22.7		
71	34.5	26.9	40.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

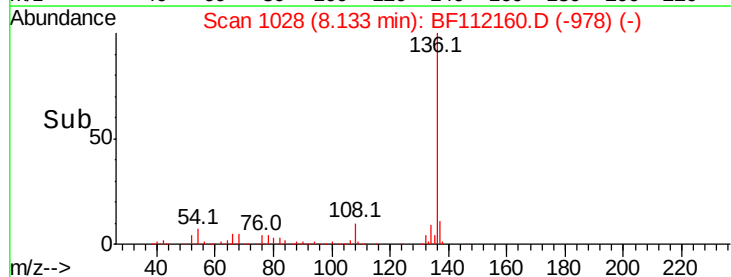
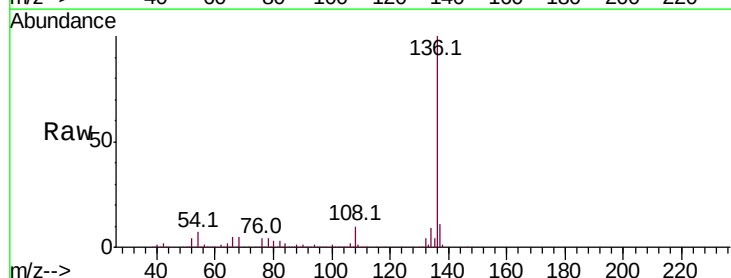
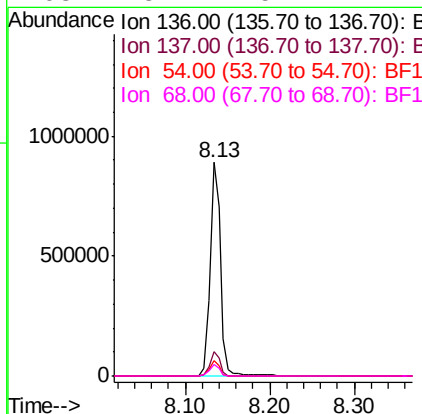
RT: 8.13 min Scan# 1028

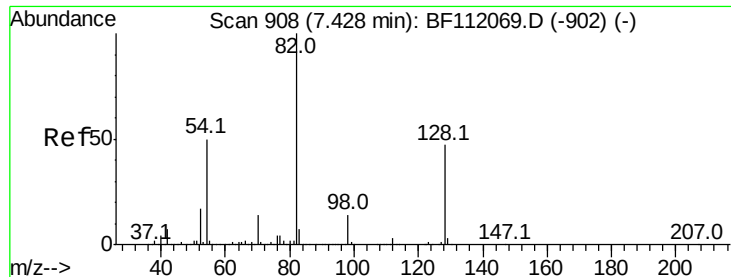
Delta R.T. -0.01 min

Lab File: BF112160.D

Acq: 21 Jan 2019 15:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		776547		
137	11.1	9.1	13.7		
54	7.0	5.9	8.9		
68	5.4	5.1	7.7		





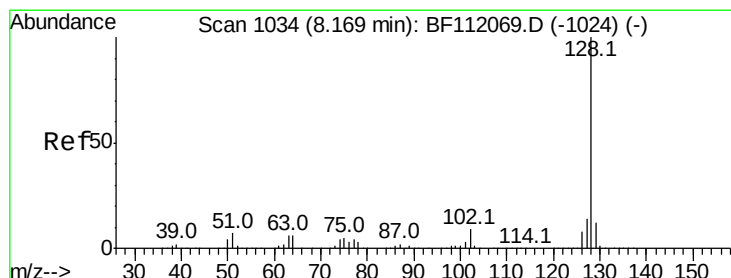
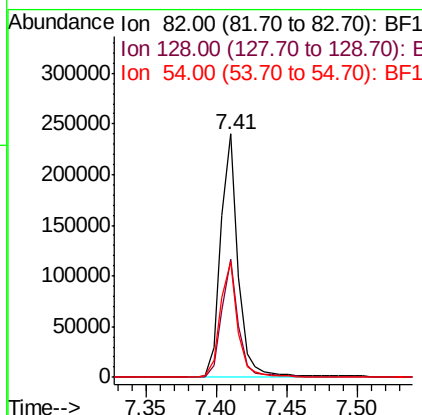
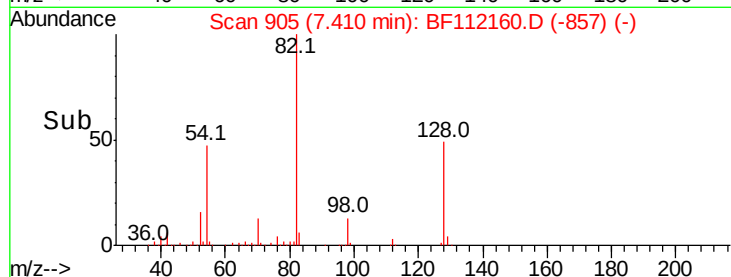
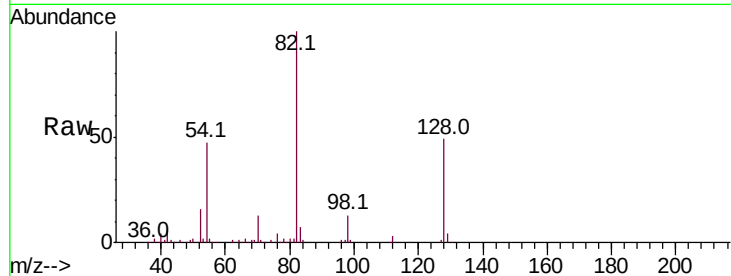
#23
Nitrobenzene-d5
Concen: 18.436 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.7	37.8	56.8
54	47.5	39.7	59.5

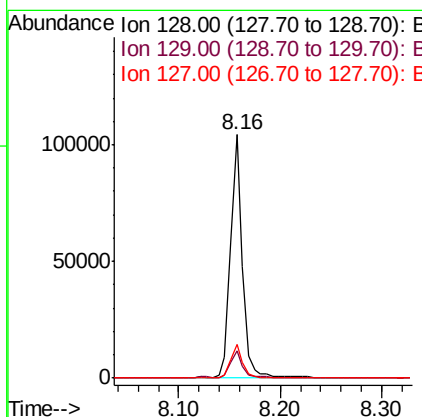
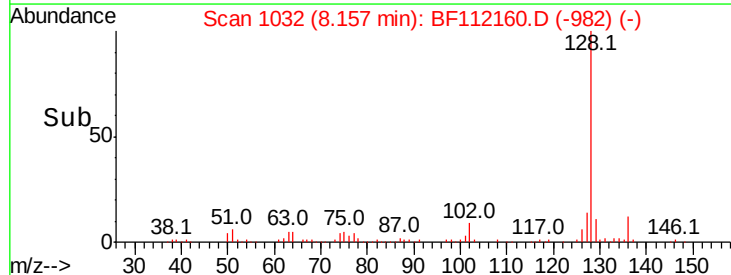
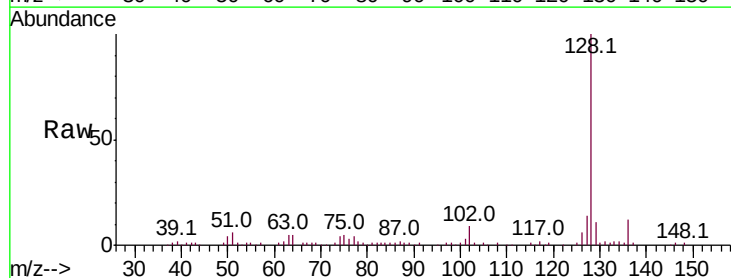
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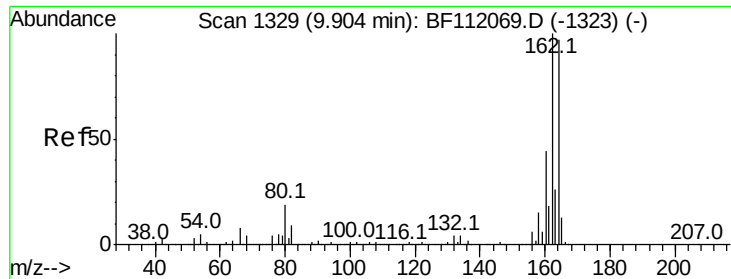
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#31
Naphthalene
Concen: 2.453 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.6	14.4
127	13.6	11.1	16.7





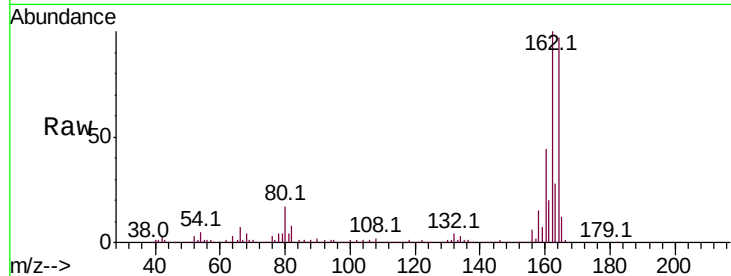
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-A

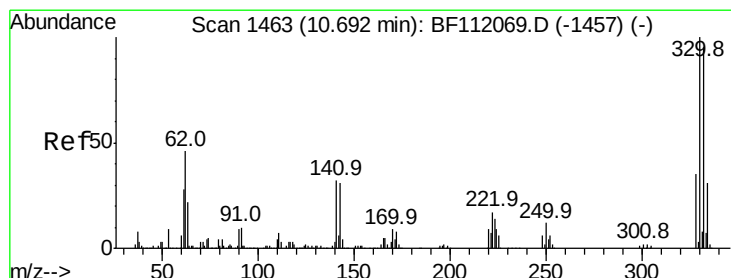
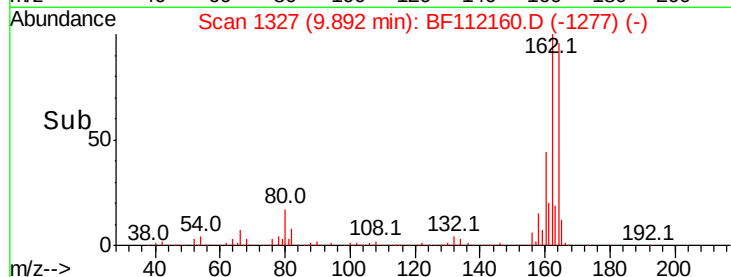
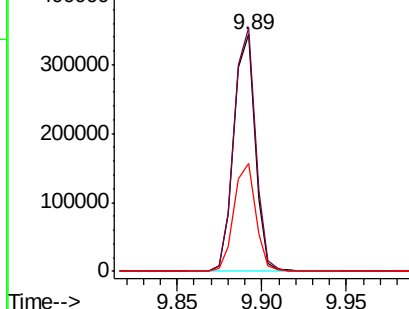
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.2	123.4
160	45.6	36.2	54.4

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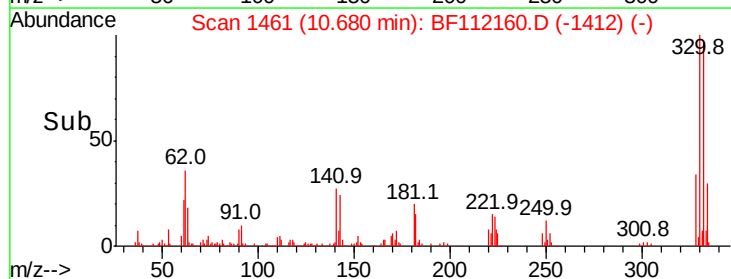
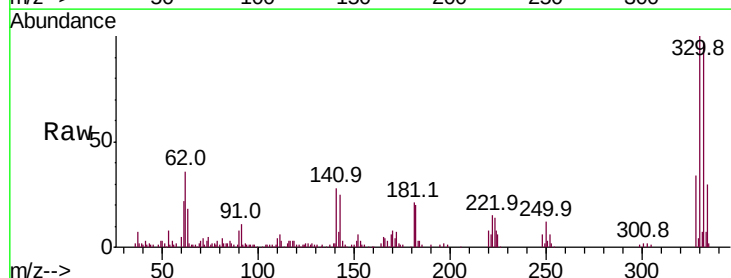
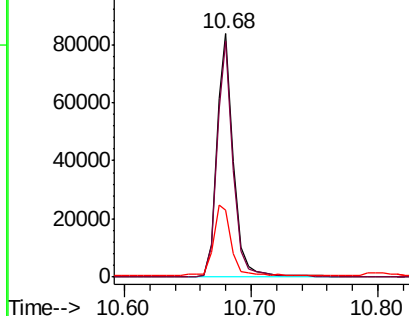
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

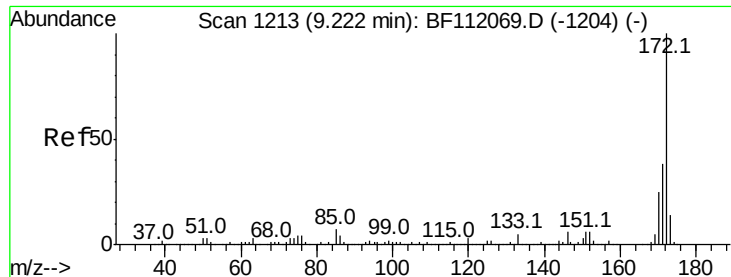


#42
2,4,6-Tribromophenol
Concen: 23.624 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.8	76.6	114.8
141	31.8	24.3	36.5

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





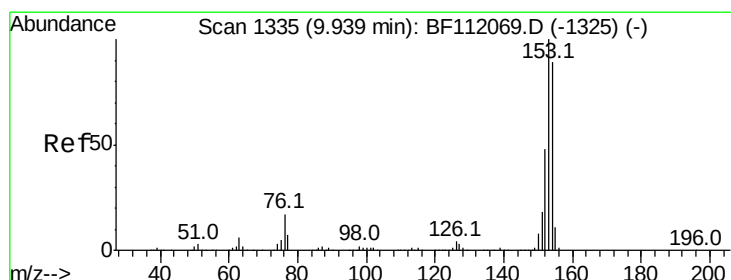
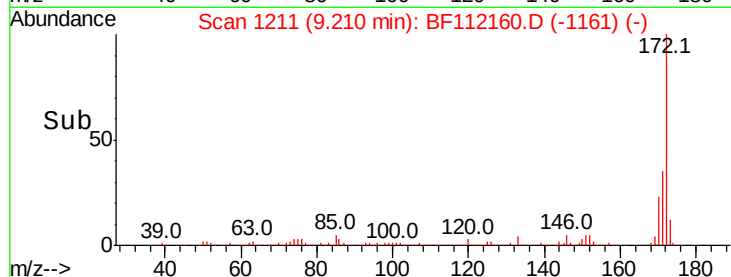
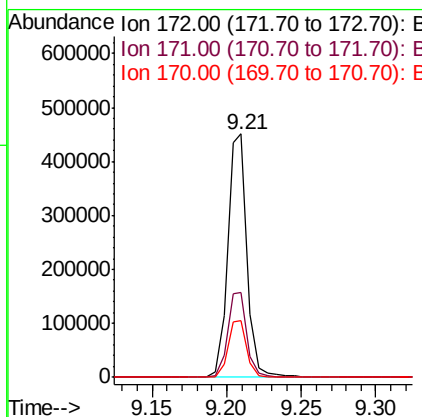
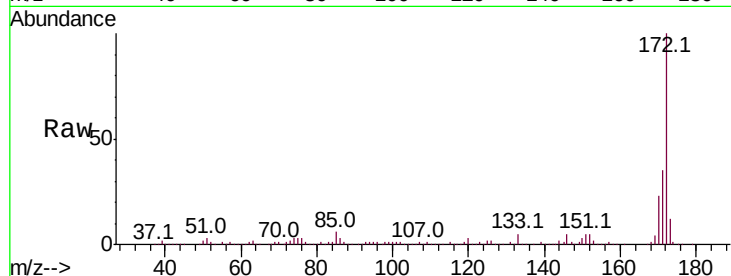
#45
2-Fluorobiphenyl
Concen: 20.042 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-A

Tot Ion	Ratio	Resp	Lower	Upper
172	100	412810		
171	35.0		30.5	45.7
170	23.4		20.2	30.4

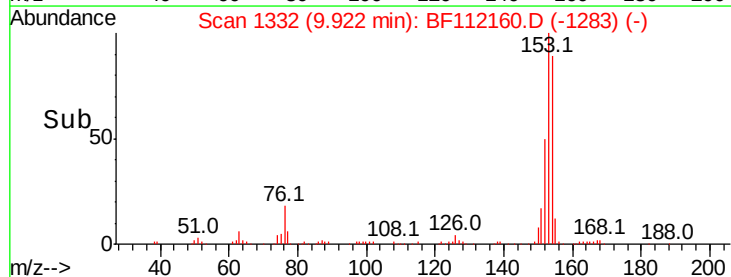
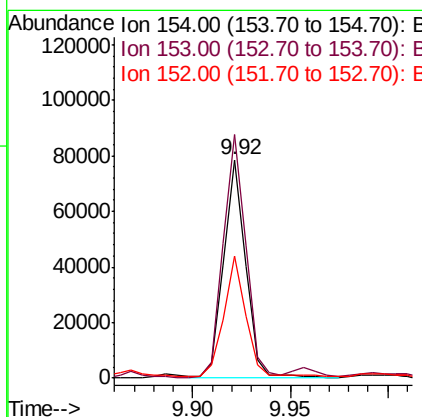
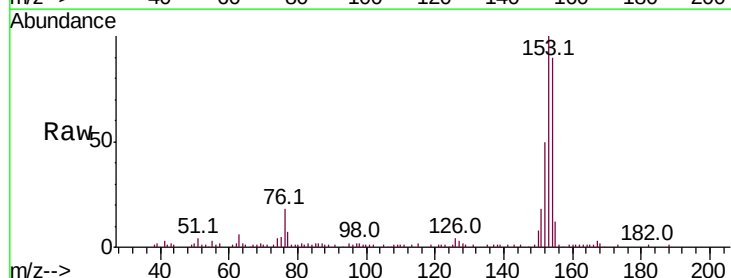
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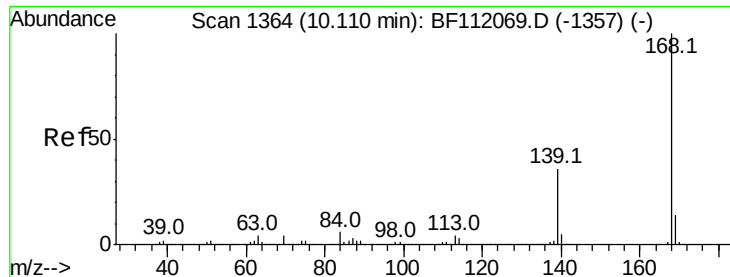
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#52
Acenaphthene
Concen: 3.462 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	61089		
153	111.6		89.8	134.6
152	56.1		43.5	65.3





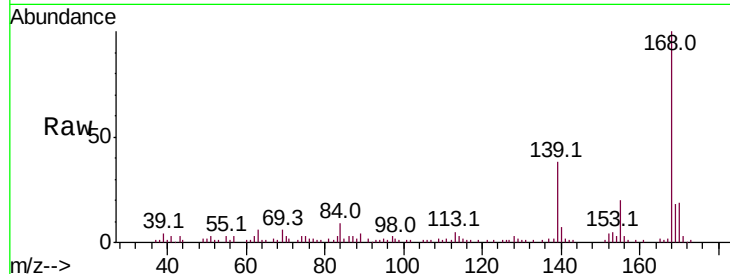
#55
Dibenzenofuran
Concen: 2.263 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-A

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.1	29.2	43.8
169	17.6	11.4	17.0

Manual Integrations
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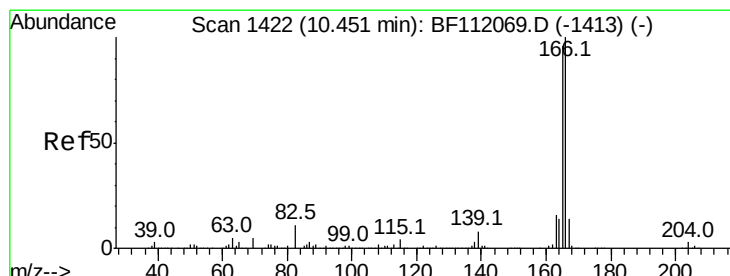
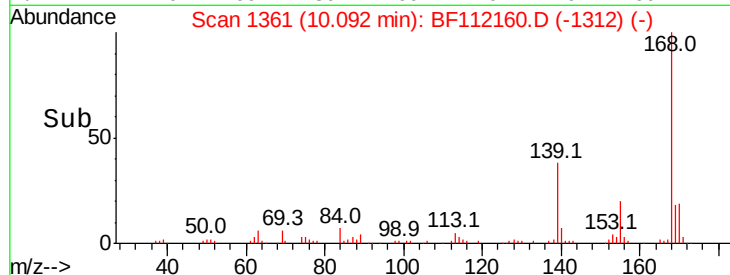
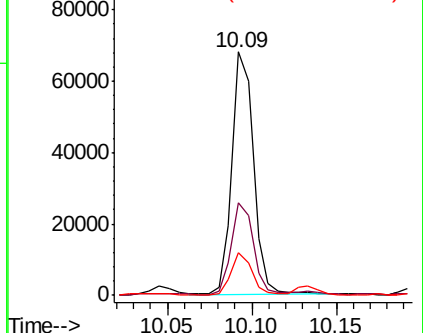


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 5.728 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

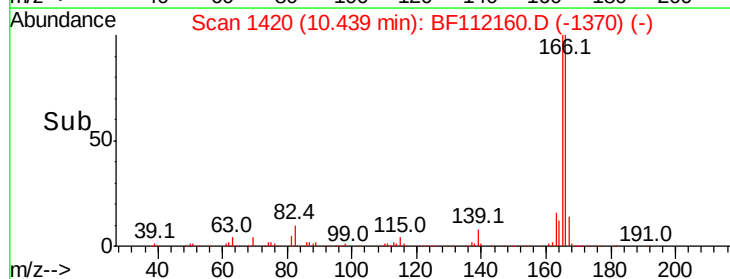
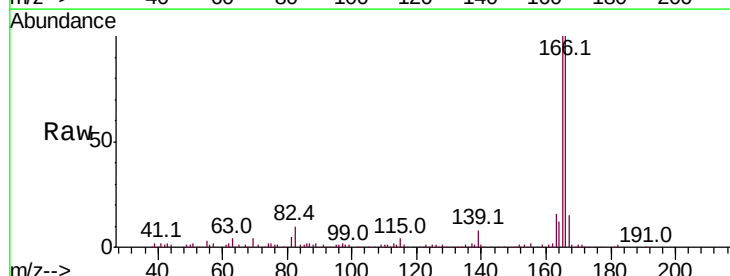
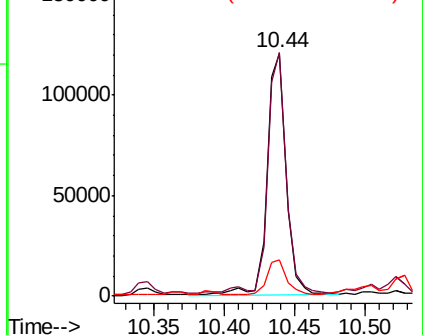
Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.3	77.1	115.7
167	14.7	11.3	16.9

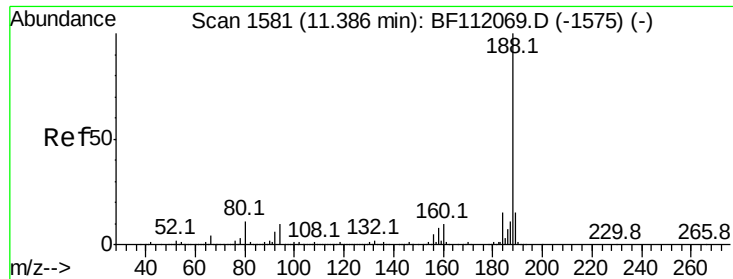
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





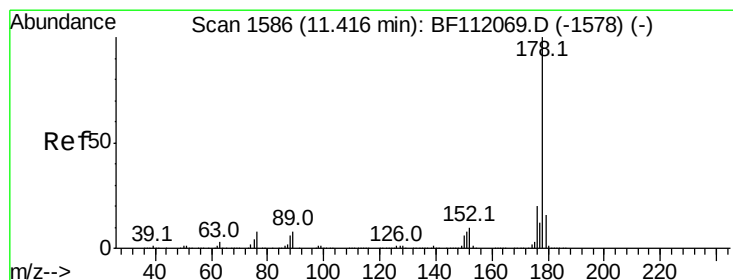
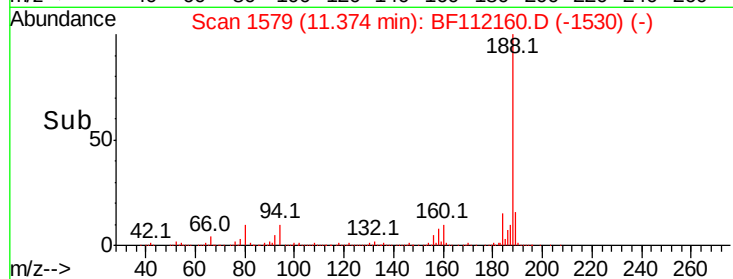
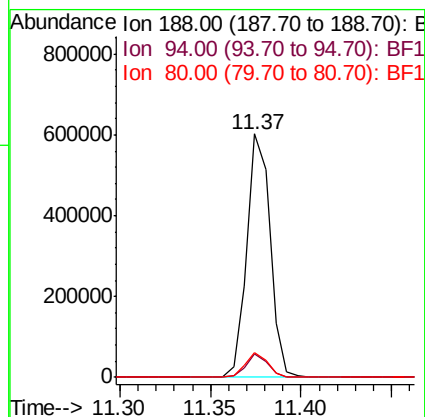
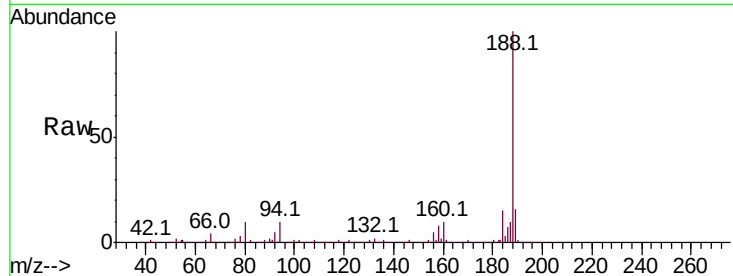
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.7	8.2	12.2	
80	10.2	8.9	13.3	

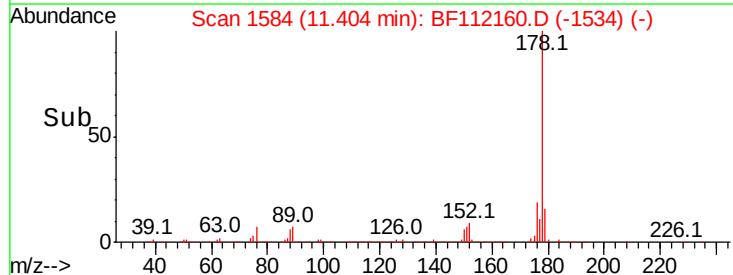
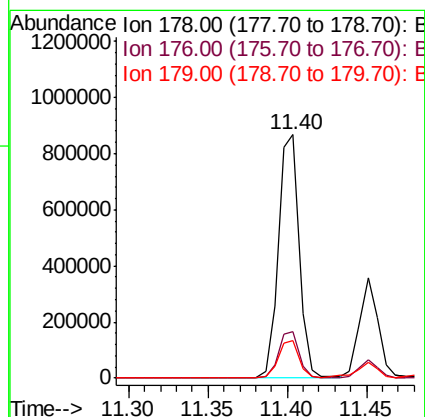
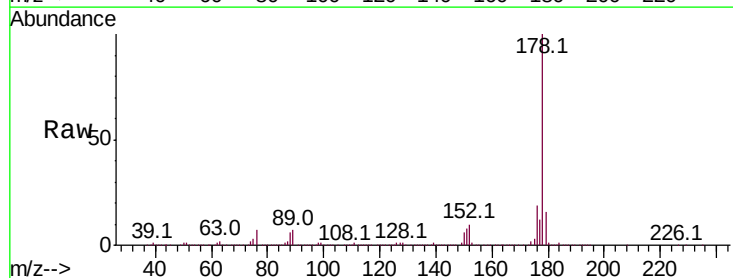
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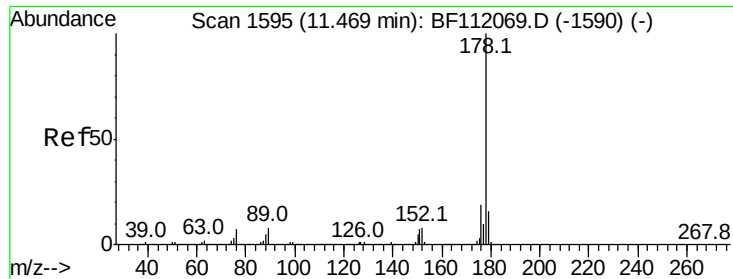
Sohil
1/22/2019 9:59:04 AM



#71
Phenanthrene
Concen: 29.175 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.2	16.3	24.5	
179	15.6	13.0	19.4	





#72

Anthracene

Concen: 10.759 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF112160.D

Acq: 21 Jan 2019 15:56

Instrument :

BNA_F

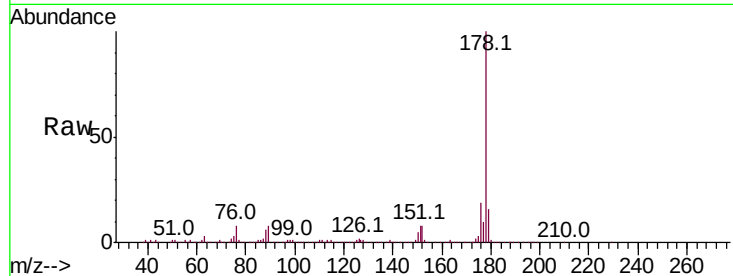
ClientSampleId :

PL-01-011819-A

Tot Ion:	178	Resp:	296625
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.5	23.3
179	15.7	12.8	19.2

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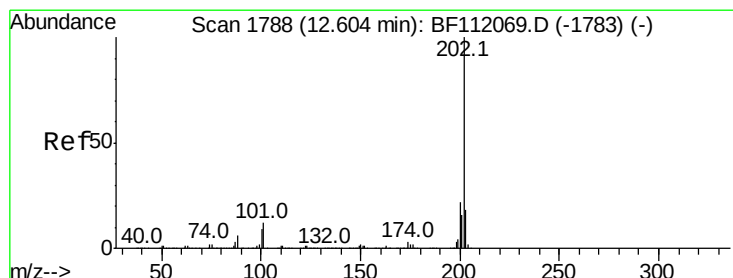
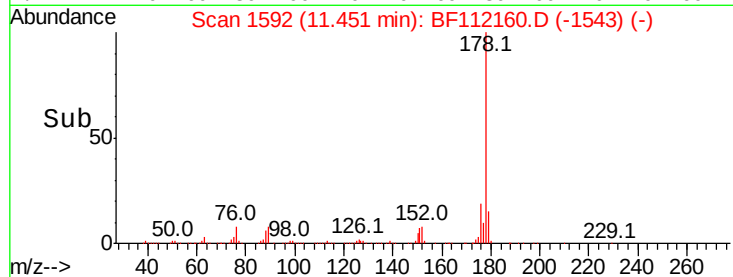
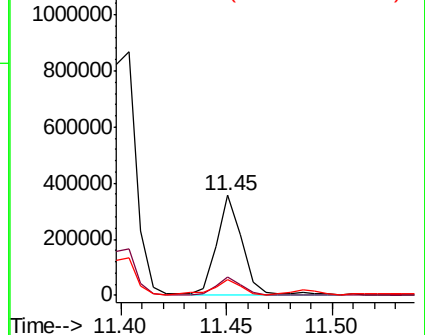


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 43.015 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112160.D

Acq: 21 Jan 2019 15:56

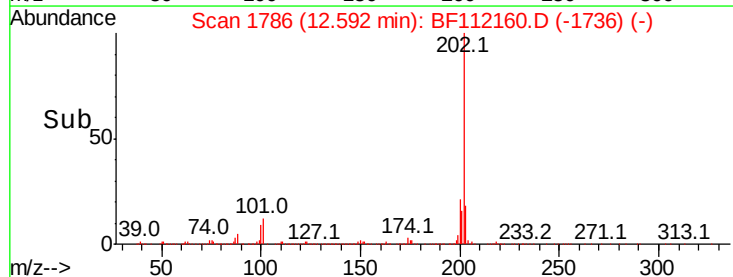
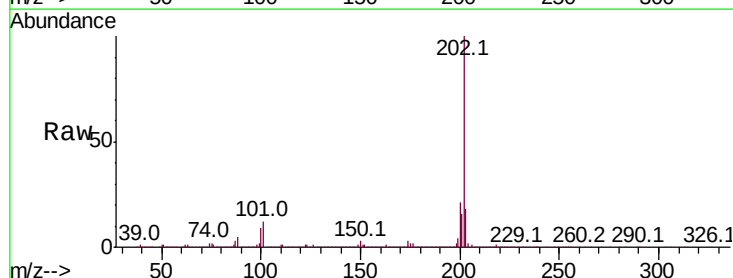
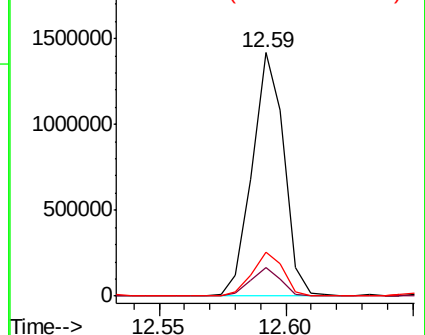
Tgt Ion:	202	Resp:	1236042
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	31.8
203	18.0	0.0	38.4

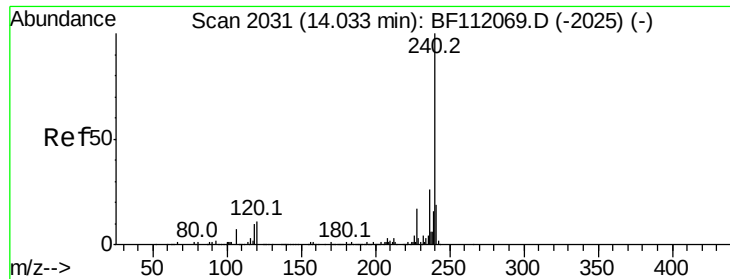
Abundance

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





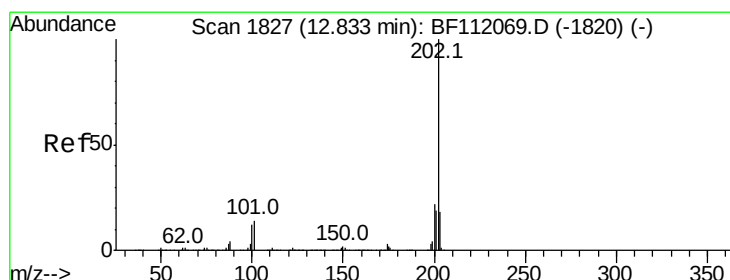
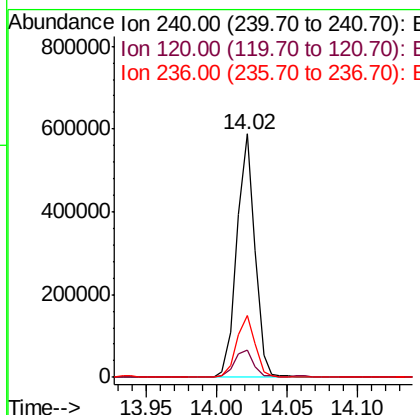
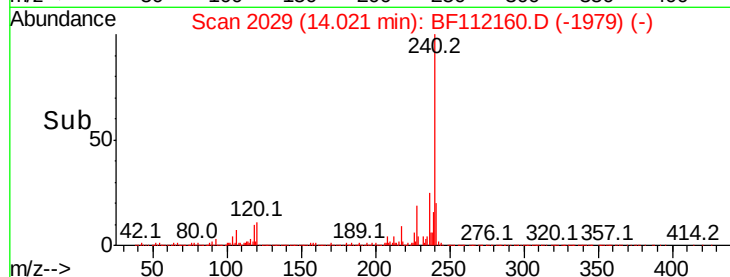
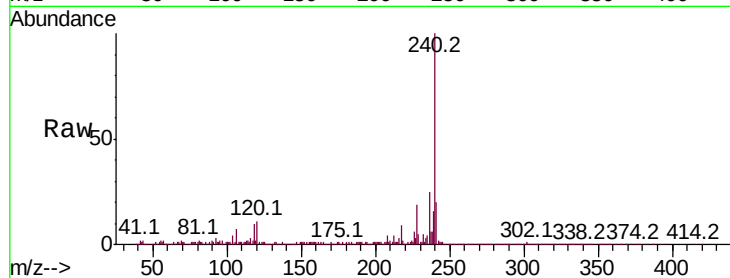
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.0	13.6
236	25.4	20.7	31.1

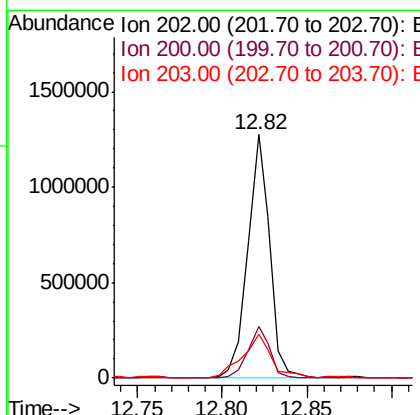
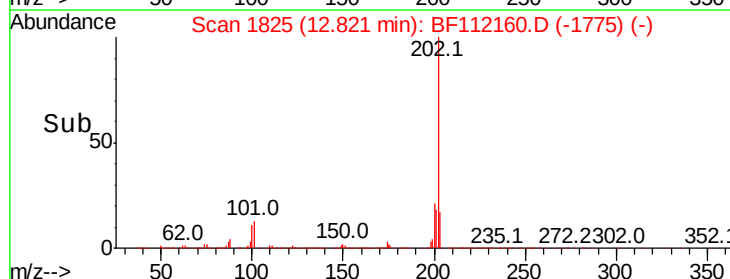
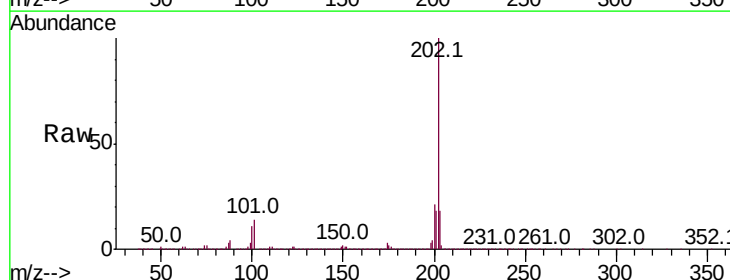
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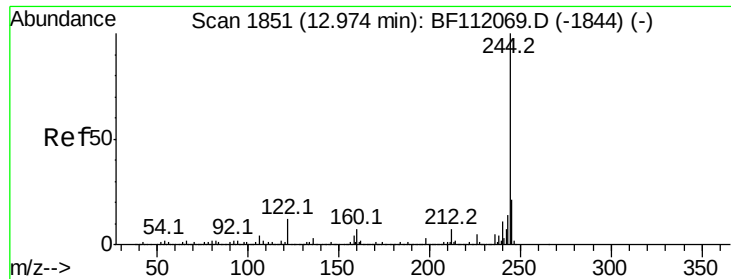
Sohil
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#78
Pyrene
Concen: 33.886 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	18.1	14.6	22.0





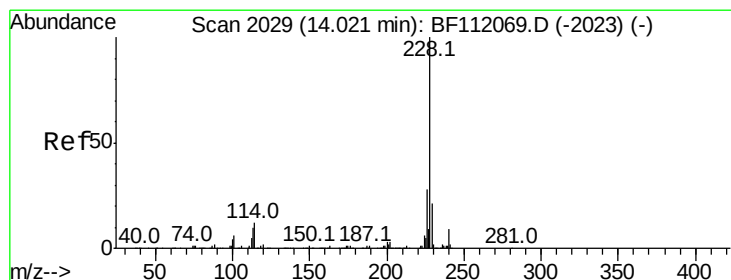
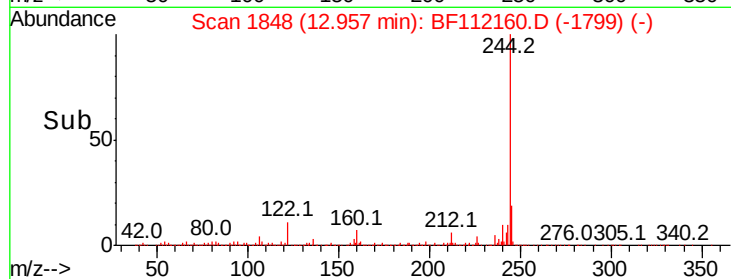
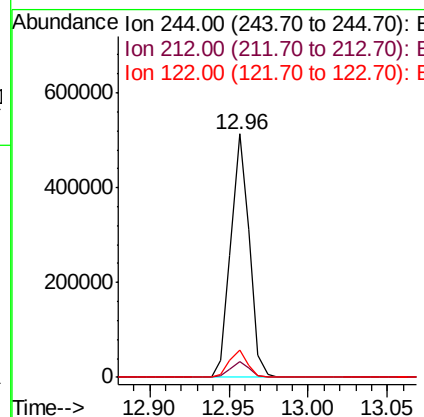
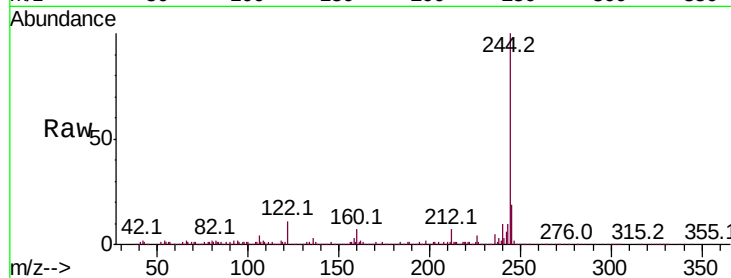
#79
 Terphenyl-d14
 Concen: 17.040 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF112160.D
 Acq: 21 Jan 2019 15:56

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-A

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.6	5.9	8.9	
122	11.2	9.8	14.6	

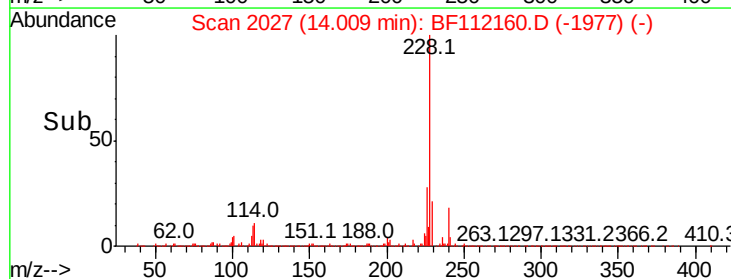
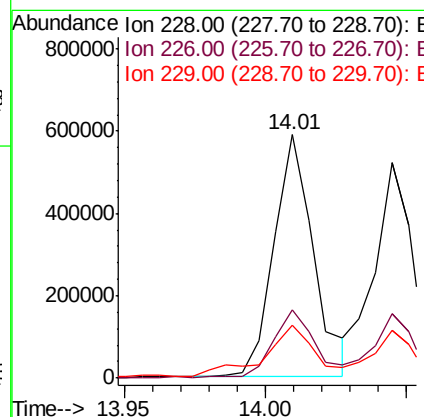
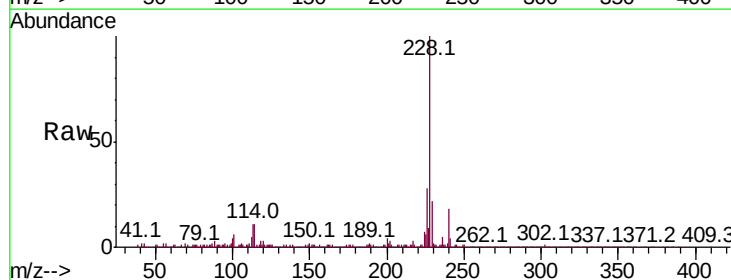
Manual Integrations
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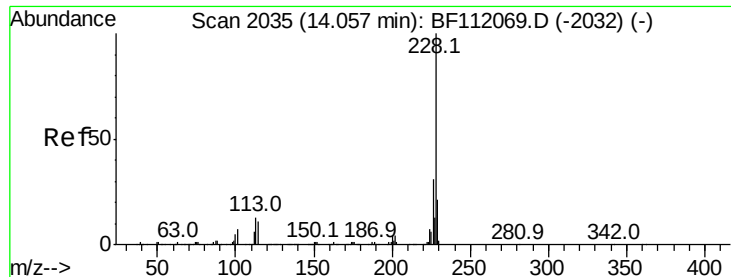
Sohil
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#81
 Benzo(a)anthracene
 Concen: 19.268 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF112160.D
 Acq: 21 Jan 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.2	22.6	34.0	
229	21.6	16.5	24.7	





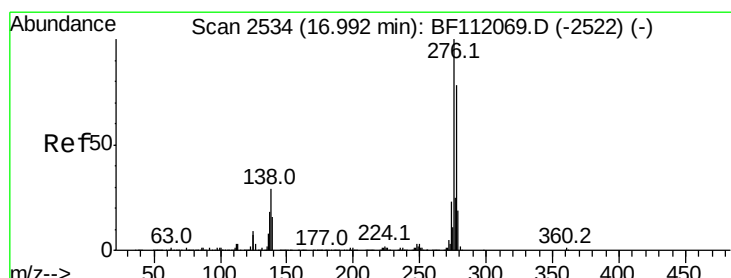
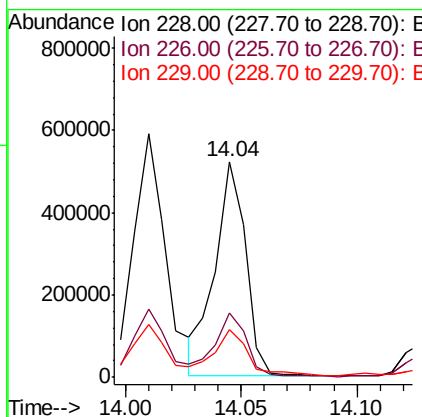
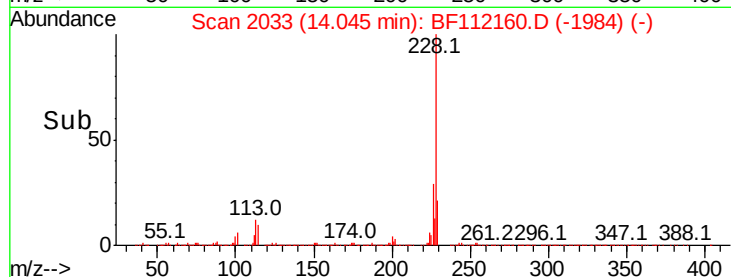
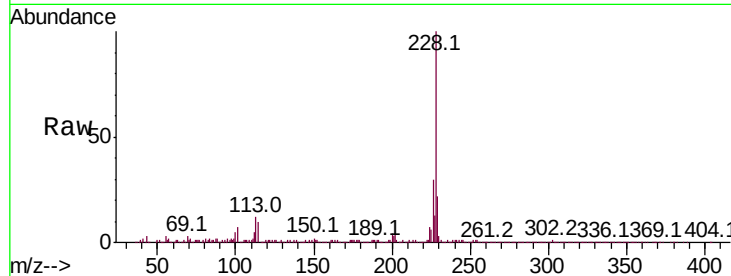
#83
Chrysene
Concen: 17.118 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-A

Tot Ion:	228	Resp:	482825
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.0	37.6
229	22.3	16.6	24.8

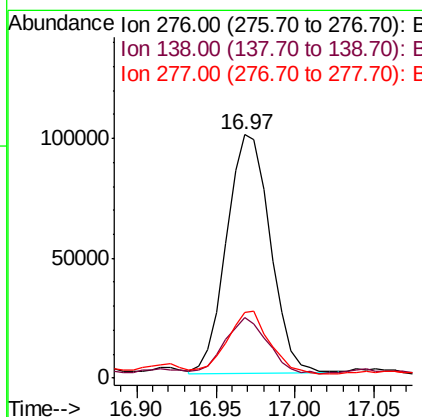
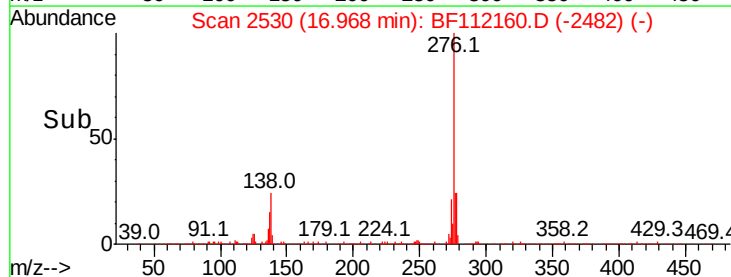
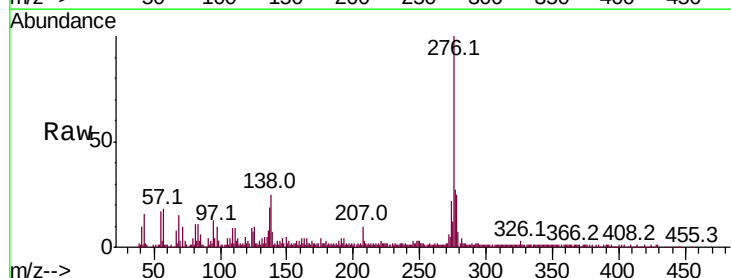
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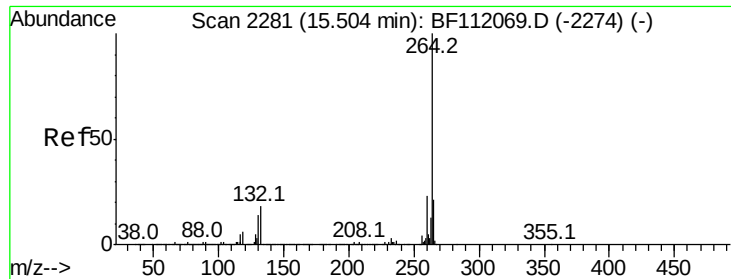
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.342 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Tgt Ion:	276	Resp:	191052
Ion Ratio	Lower	Upper	
276	100		
138	22.8	22.6	34.0
277	25.0	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF112160.D

Acq: 21 Jan 2019 15:56

Instrument :

BNA_F

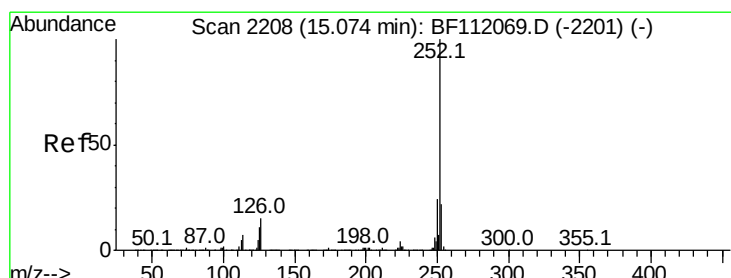
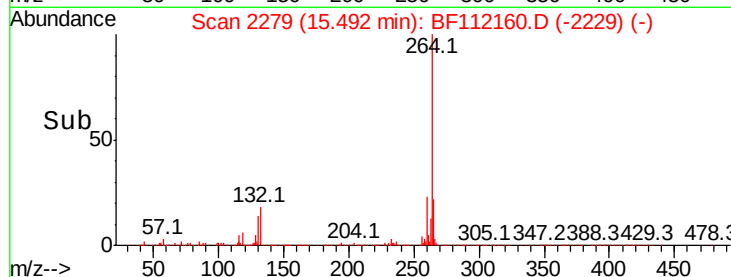
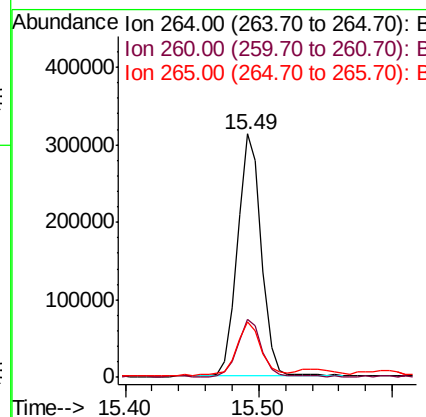
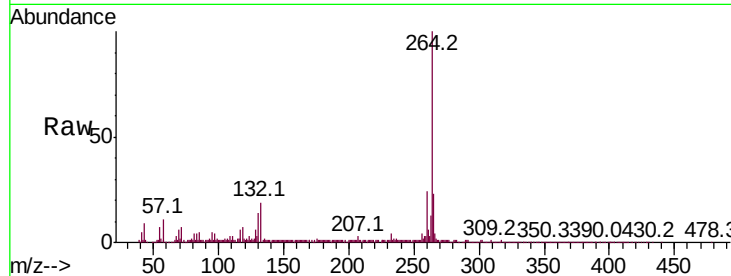
ClientSampleId :

PL-01-011819-A

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.7	18.2	27.2	
265	22.6	17.0	25.4	

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#88

Benzo(b)fluoranthene

Concen: 23.256 ng m

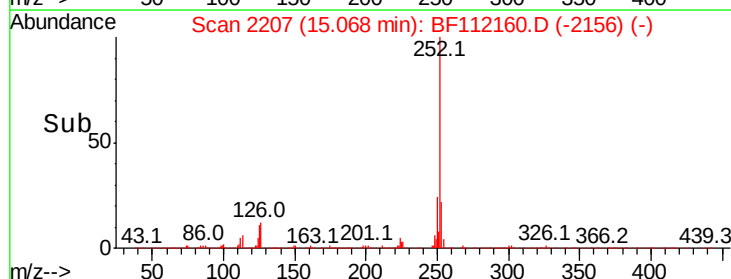
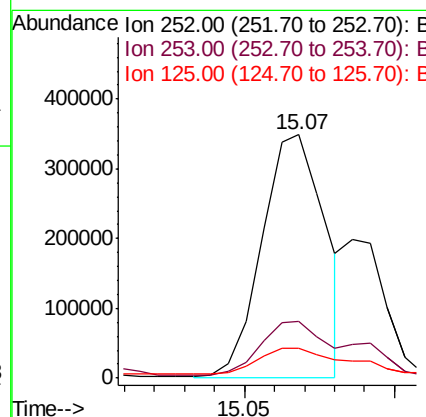
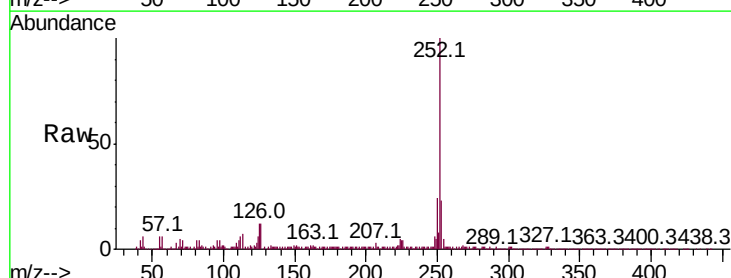
RT: 15.07 min Scan# 2207

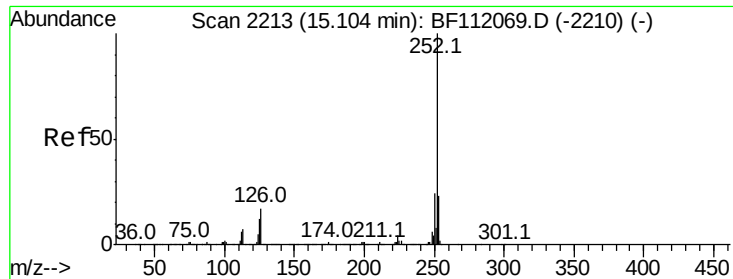
Delta R.T. 0.00 min

Lab File: BF112160.D

Acq: 21 Jan 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.1	18.0	27.0	
125	12.4	8.7	13.1	





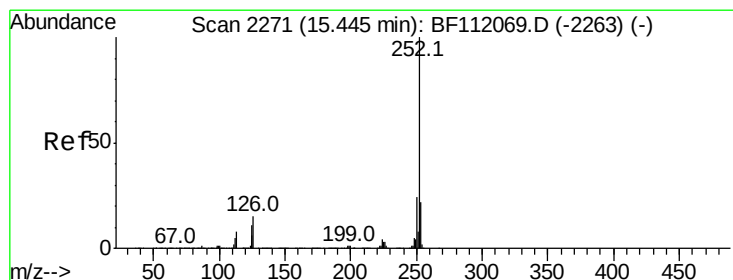
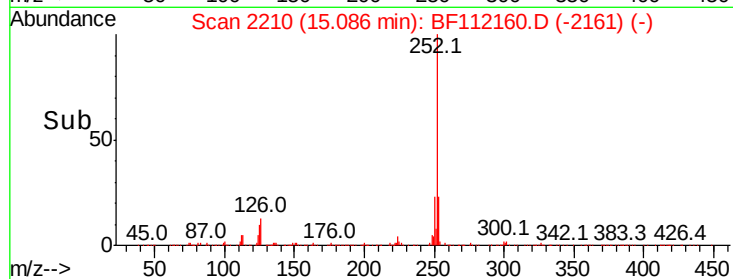
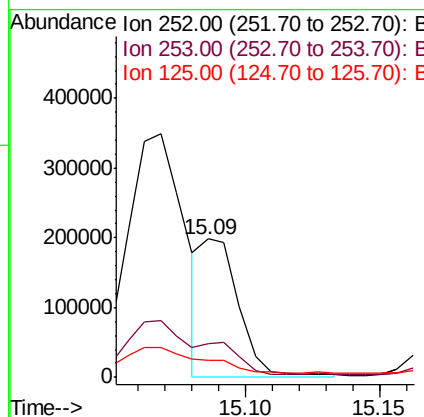
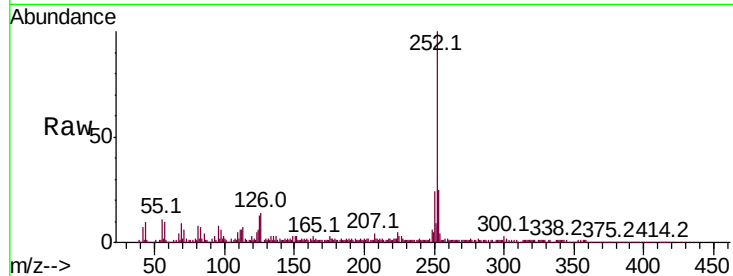
#89
Benzo(k)fluoranthene
Concen: 9.108 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	12.7	9.1	13.7

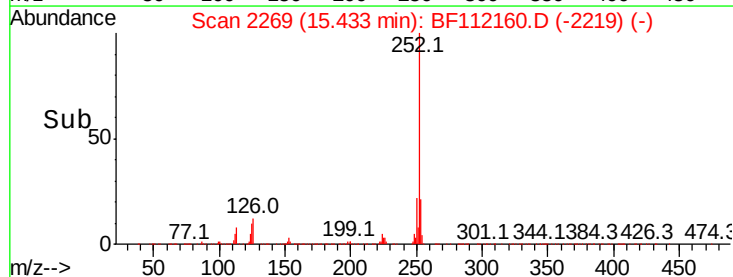
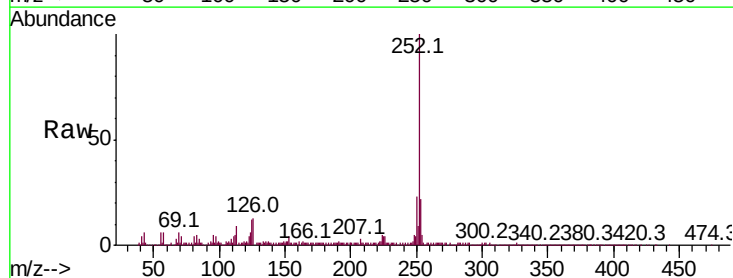
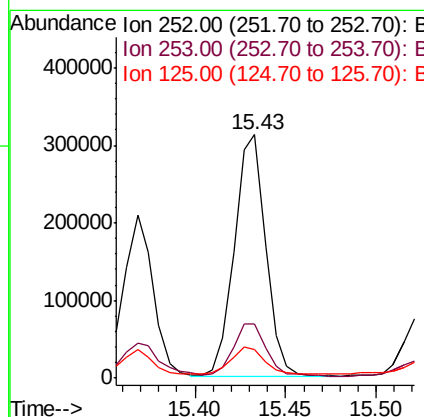
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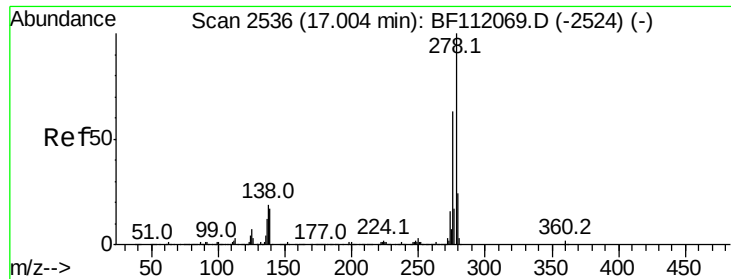
Sohil
1/22/2019 9:59:04 AM



#90
Benzo(a)pyrene
Concen: 18.610 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	11.7	9.0	13.4





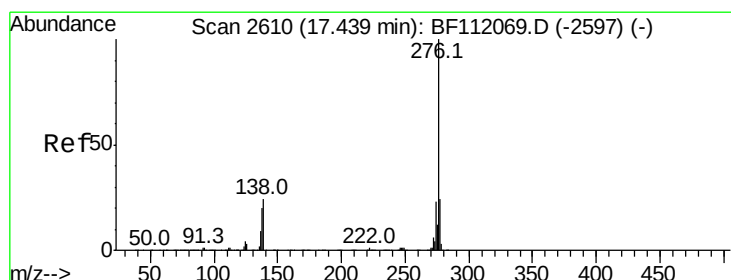
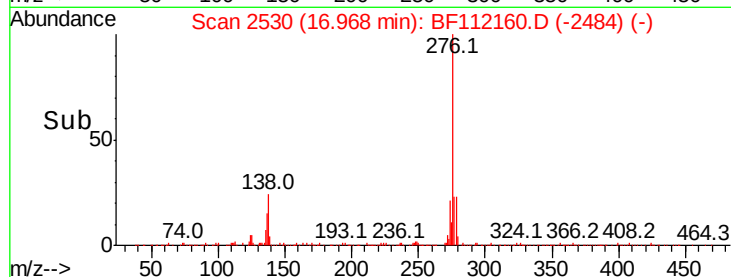
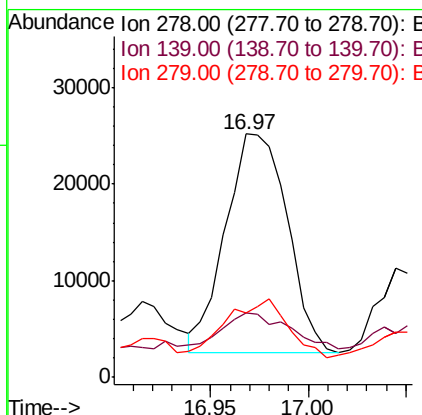
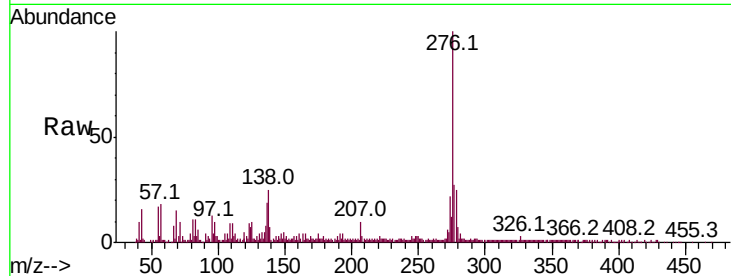
#91
Dibenzo(a,h)anthracene
Concen: 2.749 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.03 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-A

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.4	13.7	20.5#
279	26.4	19.0	28.6

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#92
Benzo(g,h,i)perylene
Concen: 10.367 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.01 min
Lab File: BF112160.D
Acq: 21 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.4	29.0
138	24.5	19.1	28.7

