

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
 Data File : BF113429.D
 Acq On : 29 Mar 2019 22:46
 Operator : JU/SJ
 Sample : K1685-11 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-032819-B

Manual Integrations
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Quant Time: Mar 30 02:52:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	133049	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	514569	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	248965	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	477019	20.00	ng	0.00
76) Chrysene-d12	13.84	240	455993	20.00	ng	0.00
87) Perylene-d12	15.24	264	398859	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	331509	40.74	ng	0.00
7) Phenol-d6	6.35	99	462650	44.95	ng	-0.01
23) Nitrobenzene-d5	7.26	82	253096	29.19	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	124355	40.44	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	499256	17.41	ng	0.00
79) Terphenyl-d14	12.79	244	519281	25.10	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.00	128	75503	3.003	ng	97
37) 2-Methylnaphthalene	8.70	142	40650	2.591	ng	98
38) 1-Methylnaphthalene	8.79	142	33218	2.201	ng	99
49) Acenaphthylene	9.59	152	62733	2.423	ng	99
55) Dibenzofuran	9.94	168	59629	2.721	ng	# 93
58) Fluorene	10.28	166	92607	5.439	ng	99
71) Phenanthrene	11.23	178	460334	19.433	ng	99
72) Anthracene	11.29	178	125300	5.207	ng	97
75) Fluoranthene	12.42	202	443515	16.562	ng	98
78) Pyrene	12.65	202	373295	11.814	ng	98
81) Benzo(a)anthracene	13.83	228	186626	7.150	ng	96
83) Chrysene	13.86	228	162500	6.129	ng	98
86) Indeno(1,2,3-cd)pyrene	16.60	276	58176	2.557	ng	98
88) Benzo(b)fluoranthene	14.85	252	175725m	7.092	ng	
89) Benzo(k)fluoranthene	14.87	252	65847m	3.026	ng	
90) Benzo(a)pyrene	15.19	252	127582	5.808	ng	97
92) Benzo(g,h,i)perylene	17.00	276	52901	2.762	ng	95

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

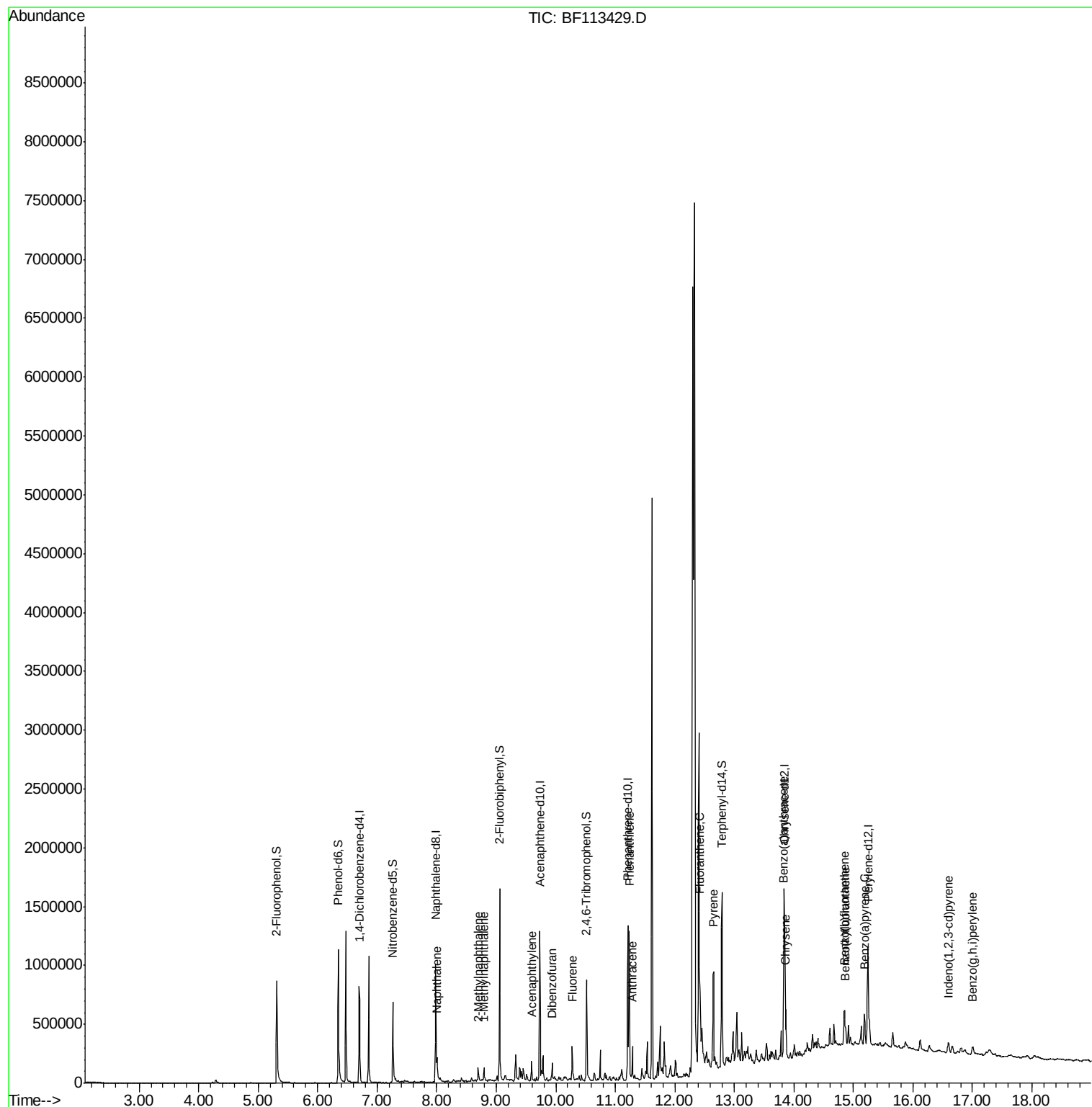
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
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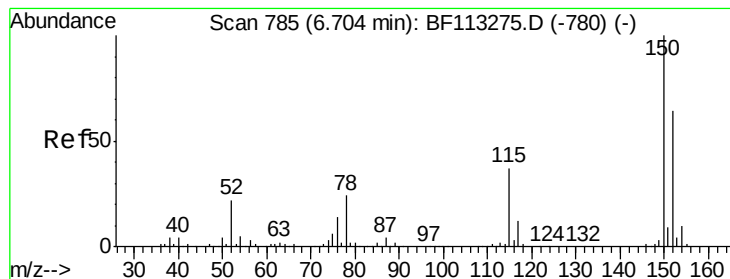
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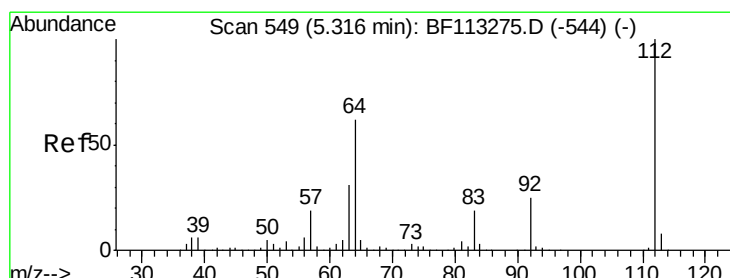
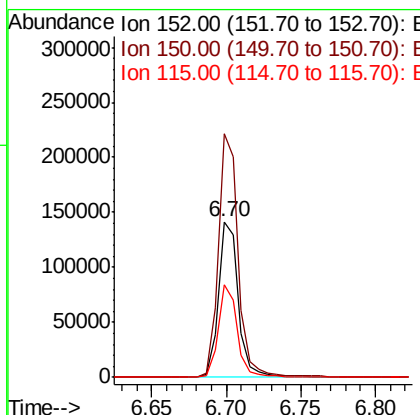
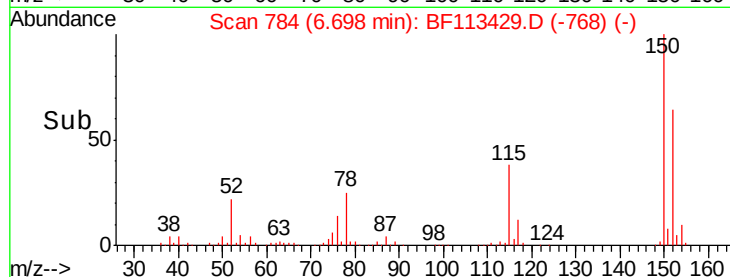
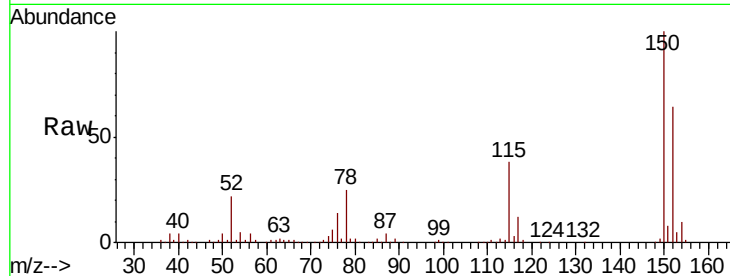
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF113429.D
Acq: 29 Mar 2019 22:46

Instrument :
BNA_F
ClientSampleId :
AU-06-032819-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.7	187.1
115	59.1	46.0	69.0

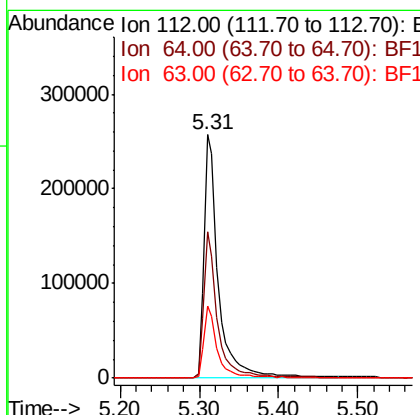
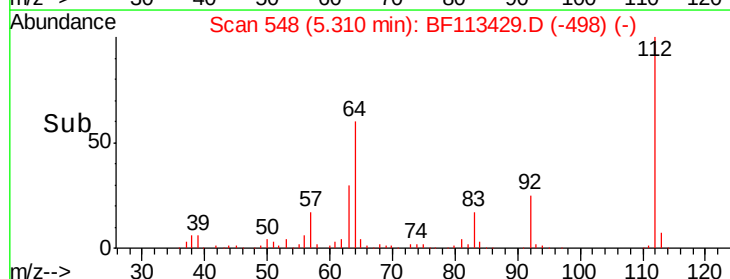
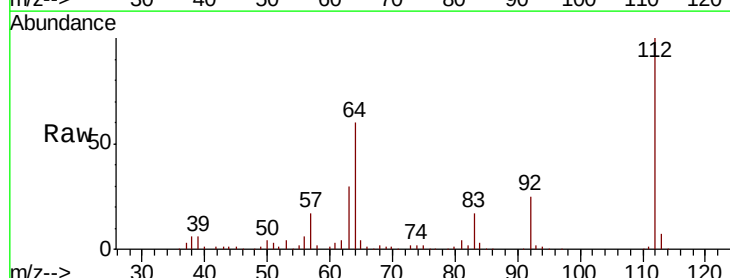
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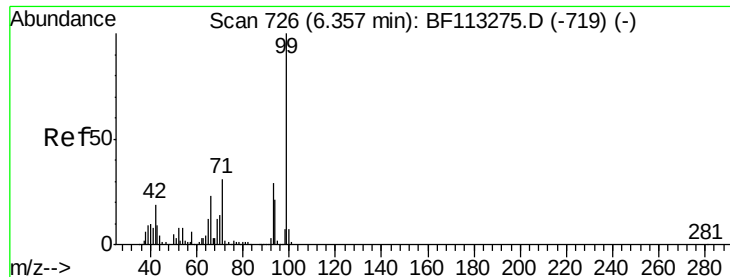
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#5
2-Fluorophenol
Concen: 40.741 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF113429.D
Acq: 29 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	49.2	73.8
63	29.7	24.9	37.3





#7

Phenol-d6

Concen: 44.945 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113429.D

Acq: 29 Mar 2019 22:46

Instrument :

BNA_F

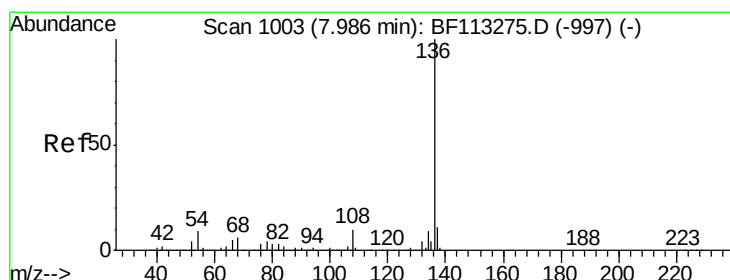
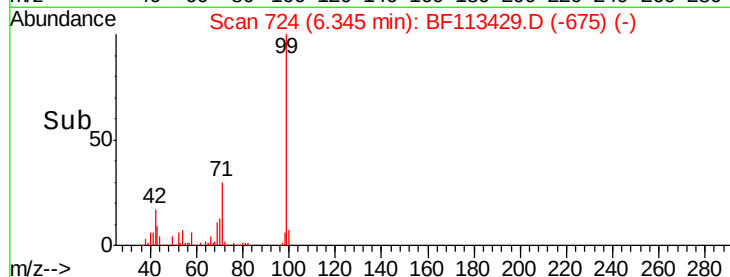
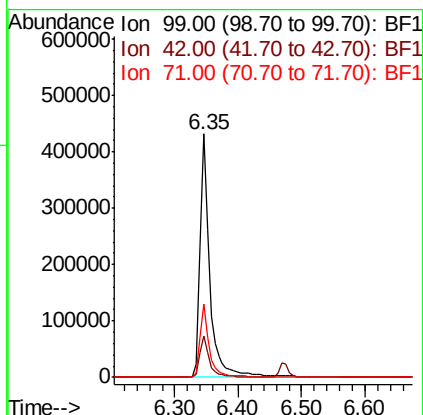
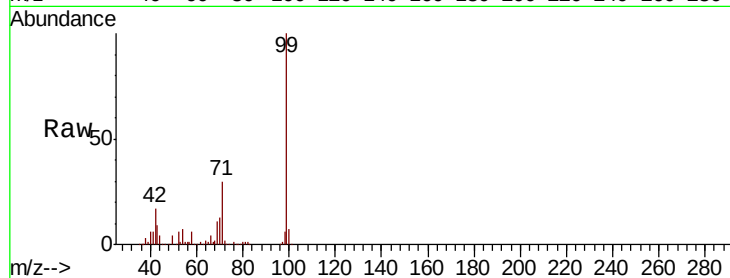
ClientSampleId :

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Tgt Ion:	99	Resp:	462650
Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.8	22.2
71	30.2	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

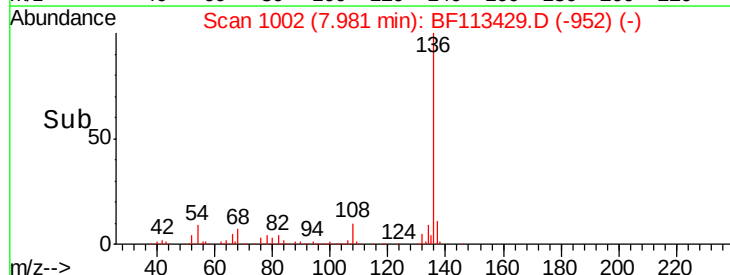
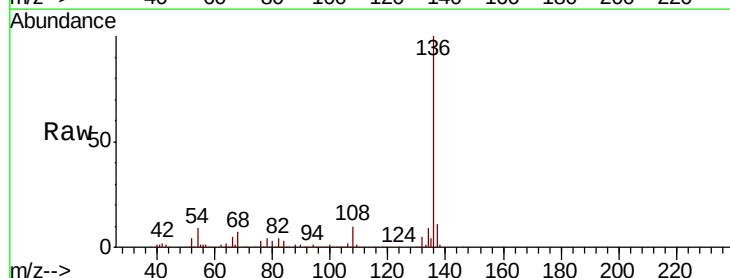
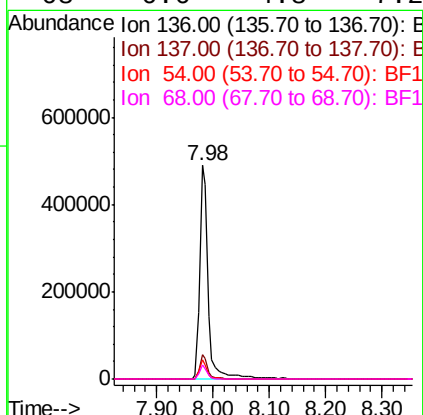
RT: 7.98 min Scan# 1002

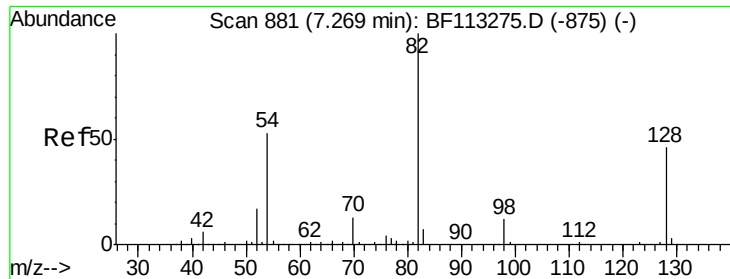
Delta R.T. -0.01 min

Lab File: BF113429.D

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Tgt Ion:	136	Resp:	514569
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.7	7.0	10.6
68	6.6	4.8	7.2





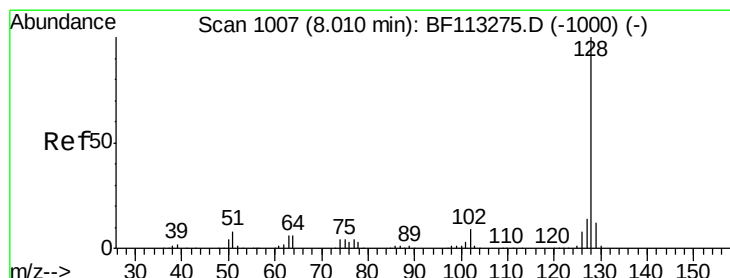
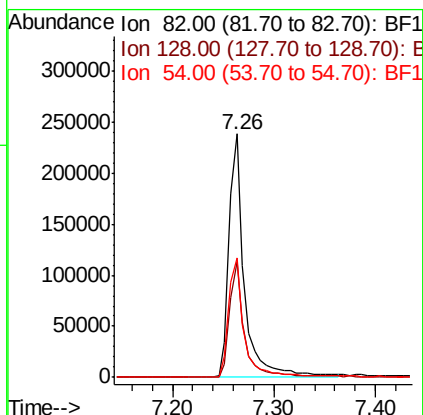
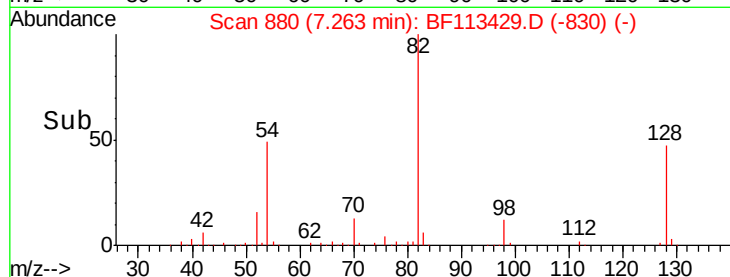
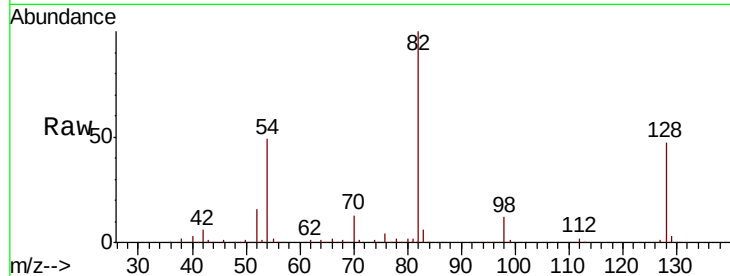
#23
 Nitrobenzene-d5
 Concen: 29.194 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.00 min
 Lab File: BF113429.D
 Acq: 29 Mar 2019 22:46

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-032819-B

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.5	54.7
54	49.3	42.2	63.2

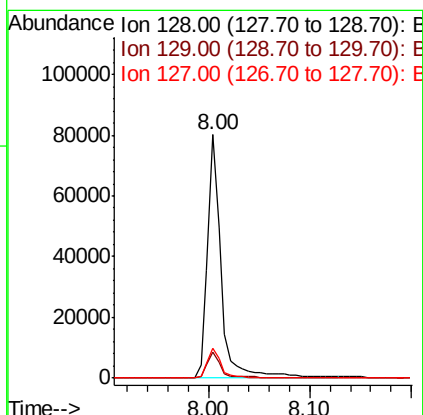
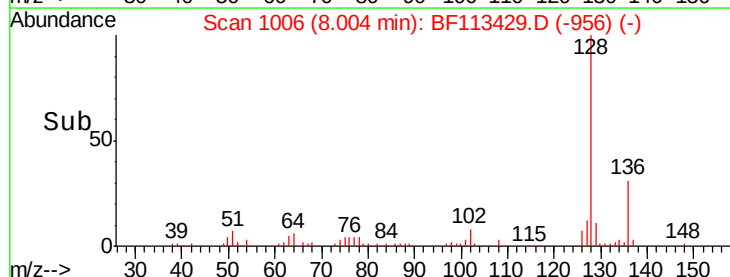
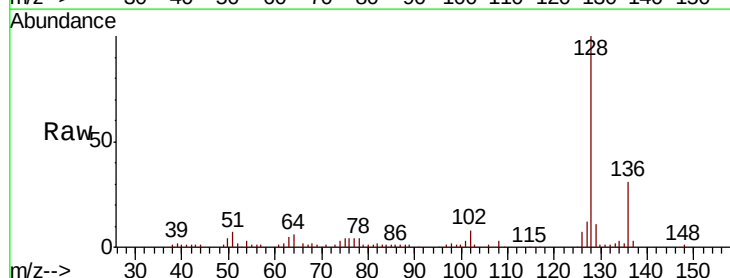
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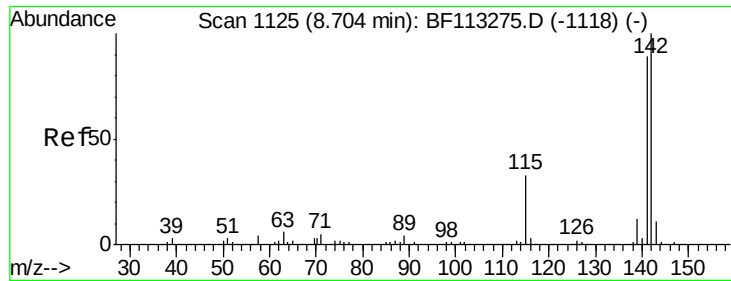
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#31
 Naphthalene
 Concen: 3.003 ng
 RT: 8.00 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BF113429.D
 Acq: 29 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.3	13.9
127	12.4	10.9	16.3





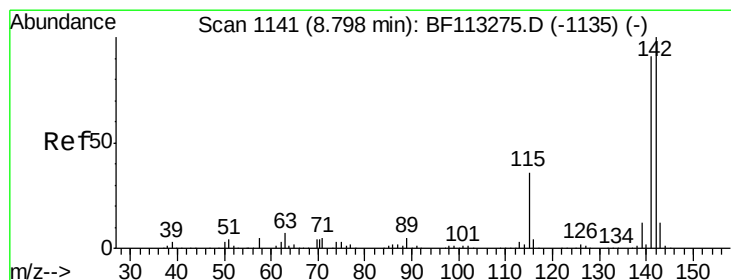
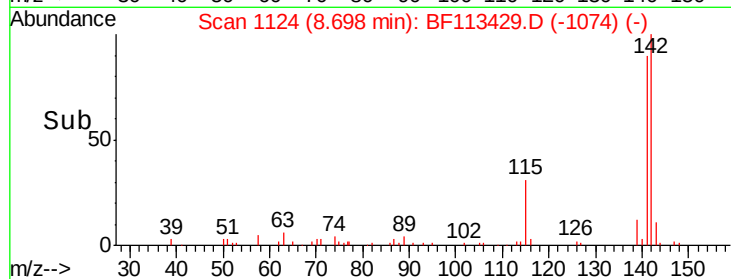
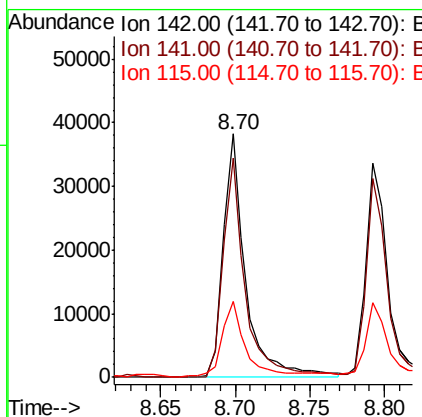
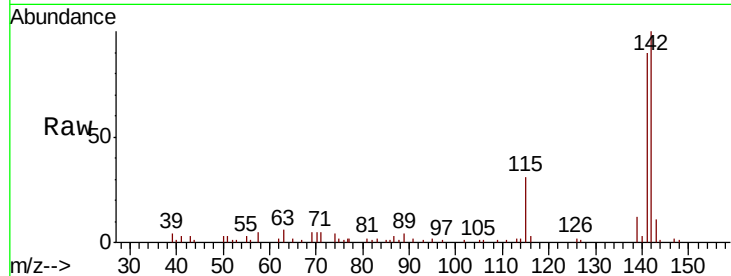
#37
2-Methylnaphthalene
Concen: 2.591 ng
RT: 8.70 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF113429.D
Acq: 29 Mar 2019 22:46

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.0	106.6
115	31.4	26.6	39.8

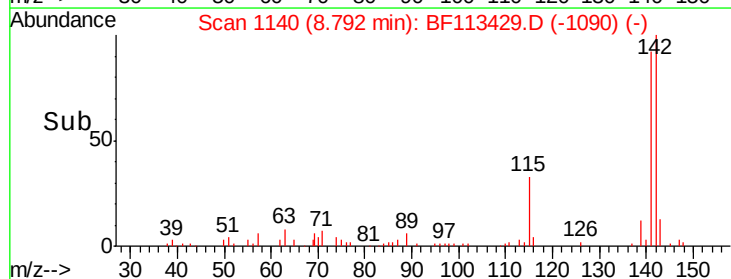
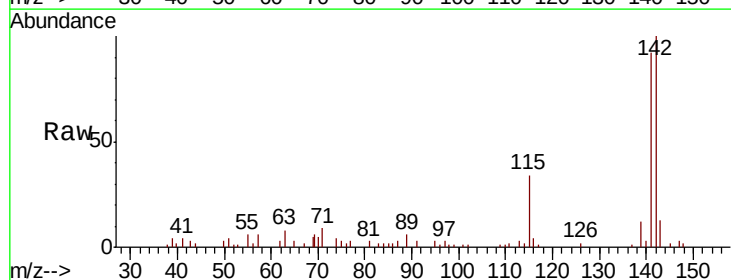
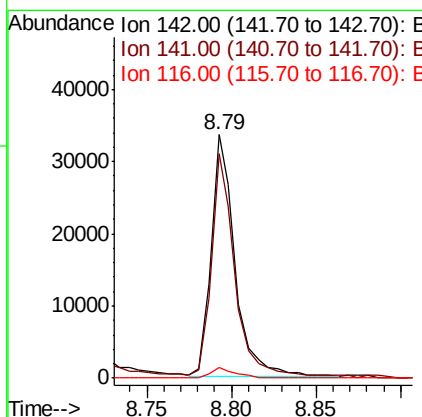
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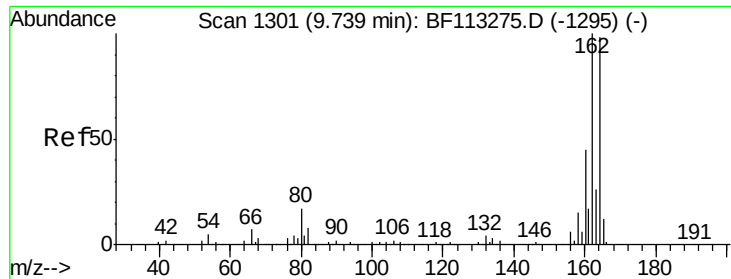
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#38
1-Methylnaphthalene
Concen: 2.201 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF113429.D
Acq: 29 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.2	109.8
116	4.1	3.0	4.4





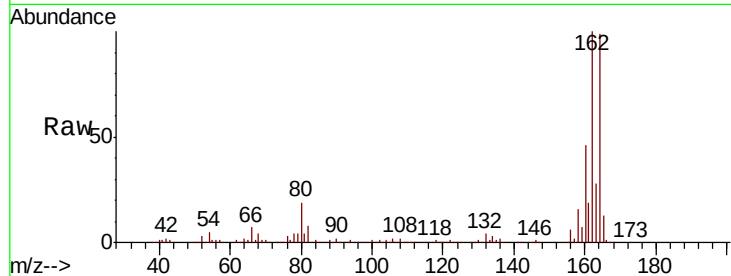
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113429.D
Acq: 29 Mar 2019 22:46

Instrument :
BNA_F
ClientSampleId :
AU-06-032819-B

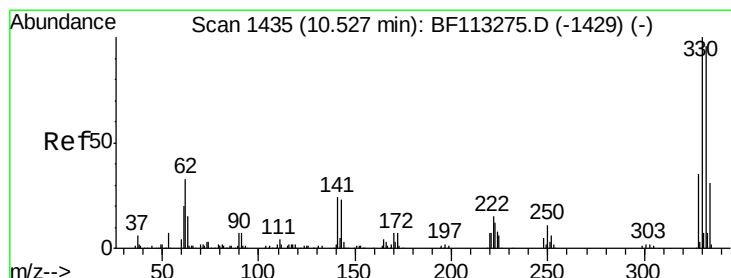
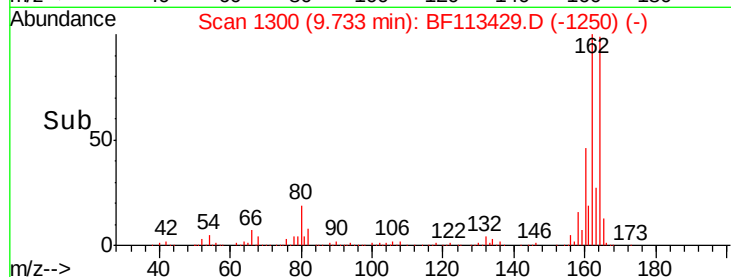
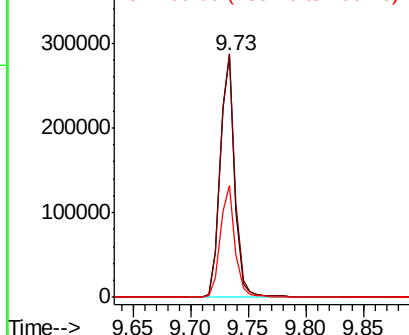
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	248965		
162	100.5	81.8	122.6	
160	45.9	36.4	54.6	

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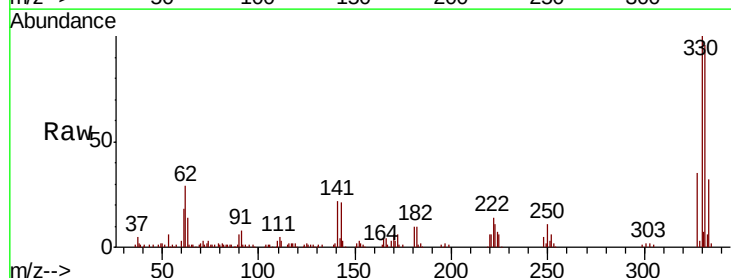


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

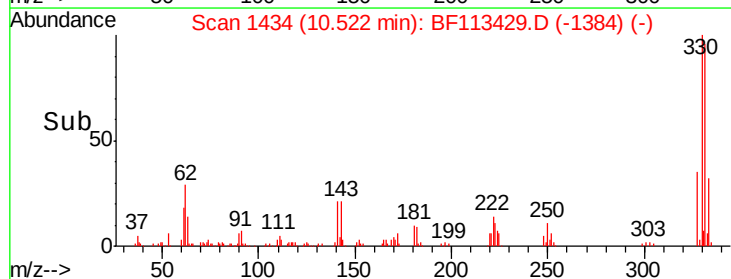
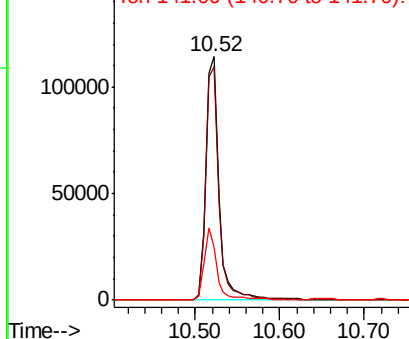


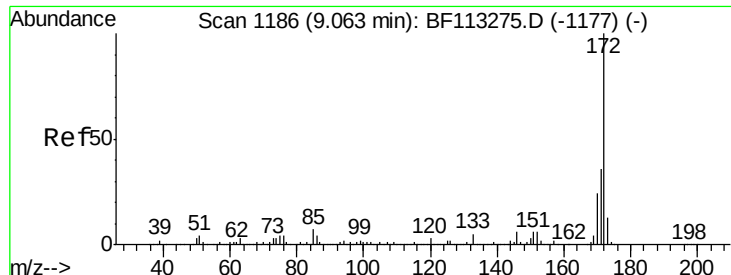
#42
2,4,6-Tribromophenol
Concen: 40.437 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF113429.D
Acq: 29 Mar 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	124355		
332	95.7	77.8	116.6	
141	28.5	22.7	34.1	



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





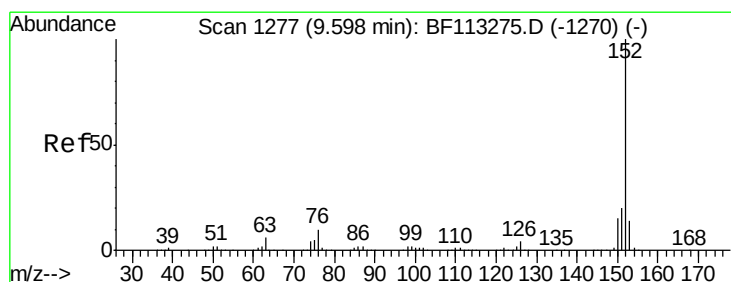
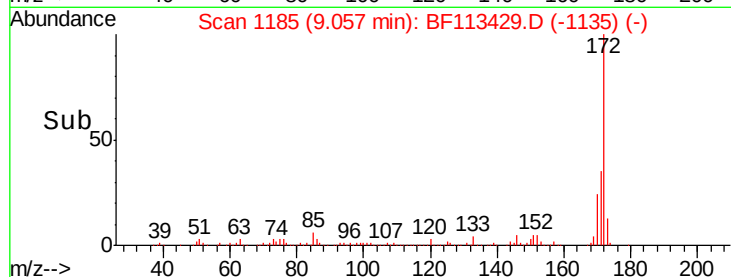
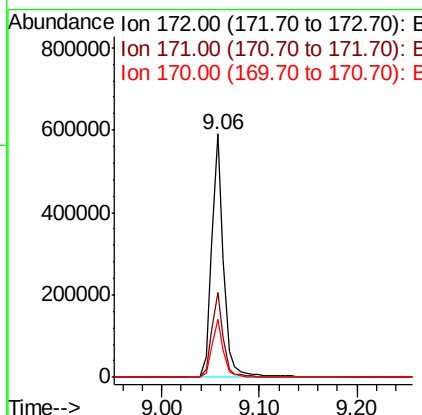
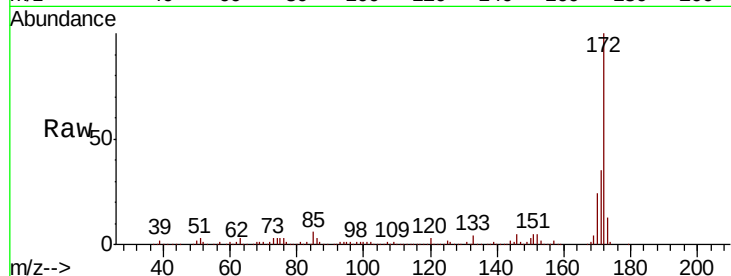
#45
2-Fluorobiphenyl
Concen: 17.405 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.00 min
Lab File: BF113429.D
Acq: 29 Mar 2019 22:46

Instrument :
BNA_F
ClientSampleId :
AU-06-032819-B

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	499256		
171	34.9	29.0	43.6	
170	23.6	19.5	29.3	

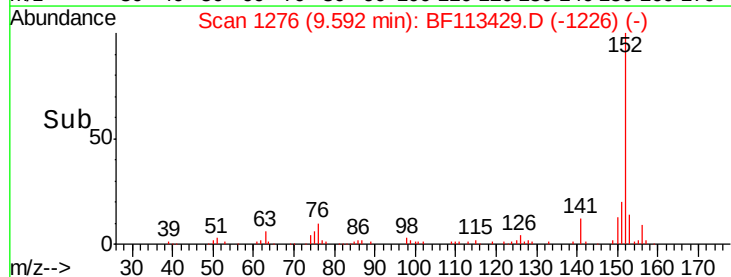
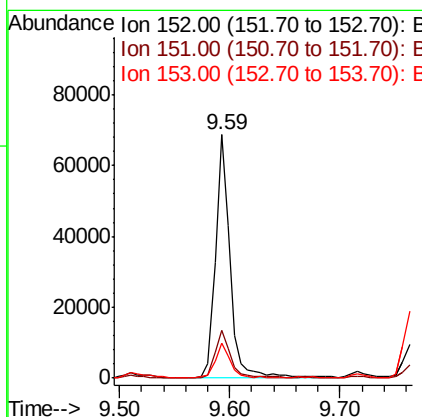
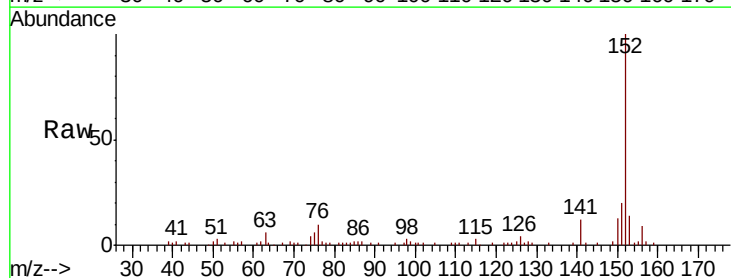
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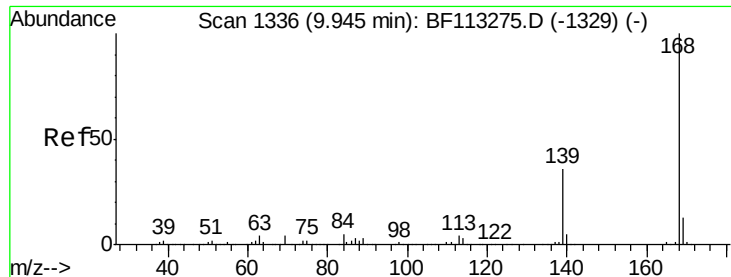
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#49
Acenaphthylene
Concen: 2.423 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF113429.D
Acq: 29 Mar 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	62733		
151	19.6	16.2	24.4	
153	14.1	11.0	16.6	





#55

Dibenzenofuran

Concen: 2.721 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF113429.D

Acq: 29 Mar 2019 22:46

Instrument :

BNA_F

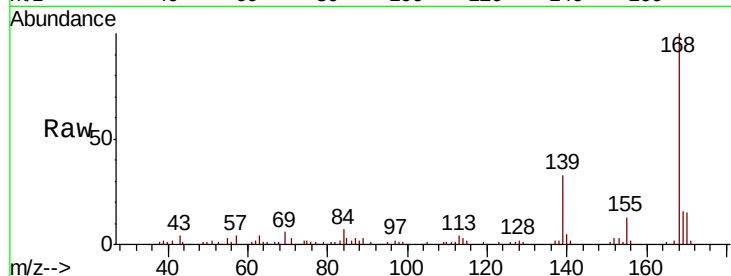
ClientSampleId :

AU-06-032819-B

Tgt Ion:	168	Resp:	59629
Ion Ratio	Lower	Upper	
168	100		
139	32.7	29.7	44.5
169	16.5	10.7	16.1#

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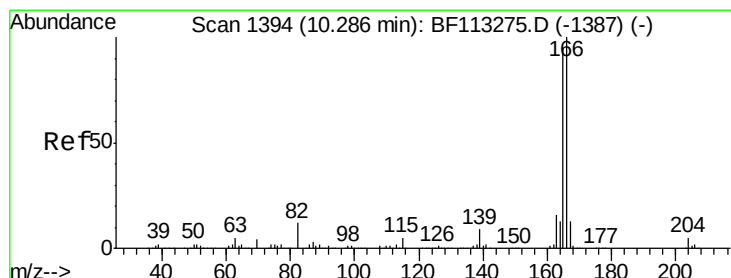
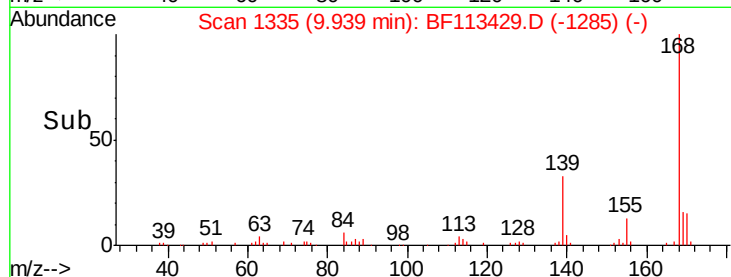
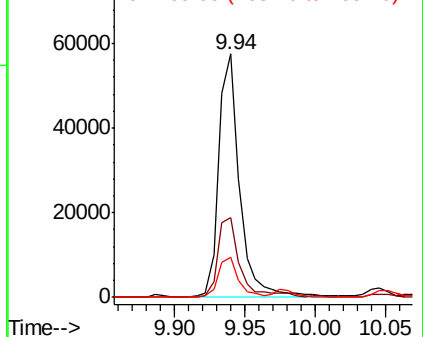


Abundance

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: 5.439 ng

RT: 10.28 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BF113429.D

Acq: 29 Mar 2019 22:46

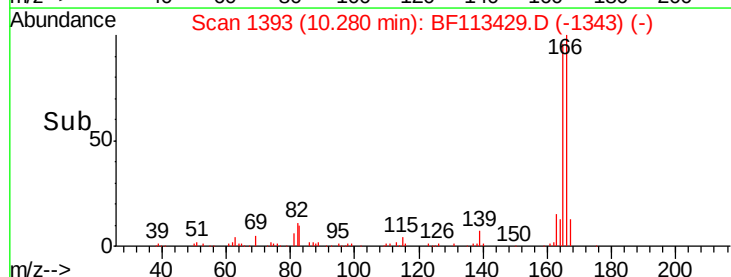
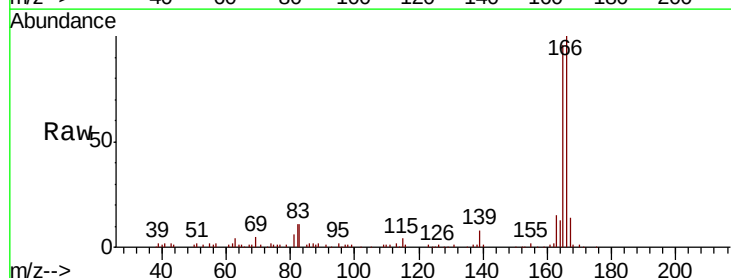
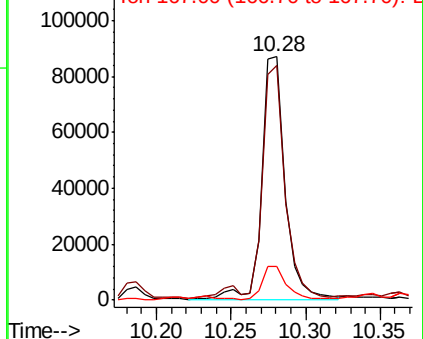
Tgt Ion:	166	Resp:	92607
Ion Ratio	Lower	Upper	
166	100		
165	96.2	76.2	114.2
167	14.0	10.7	16.1

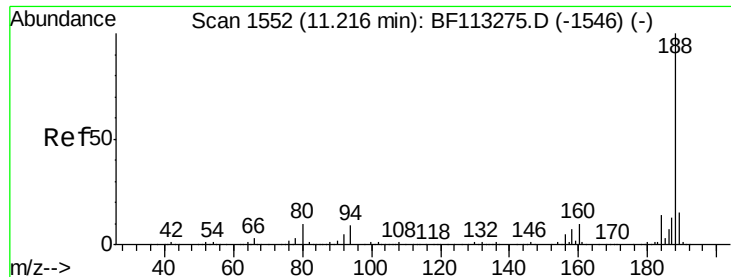
Abundance

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





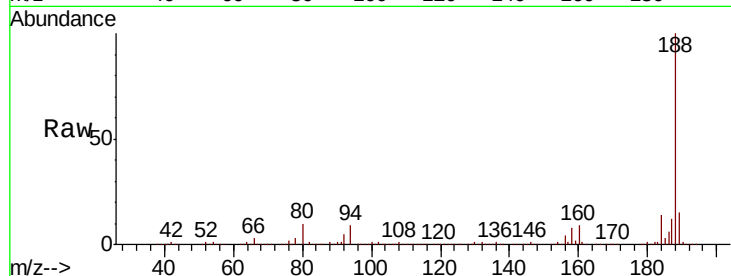
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113429.D
Acq: 29 Mar 2019 22:46

Instrument :
BNA_F
ClientSampleId :
AU-06-032819-B

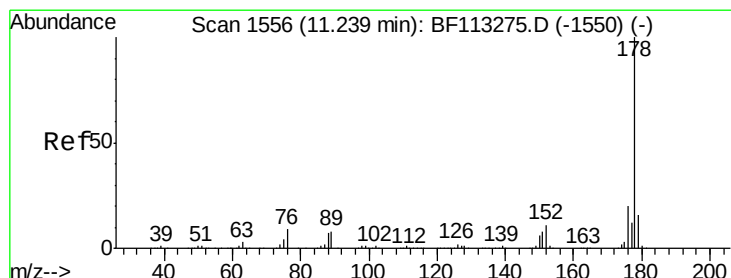
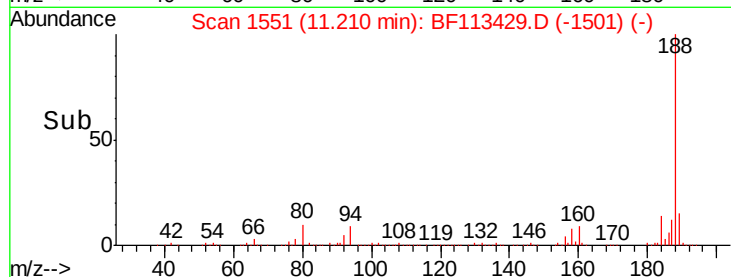
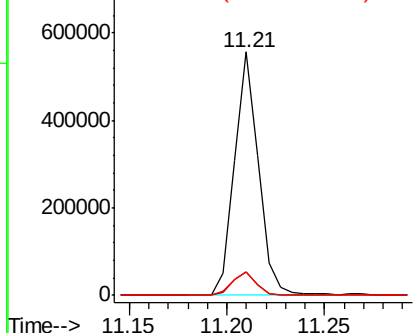
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	477019		
94	9.4	7.0	10.6	
80	9.6	7.7	11.5	

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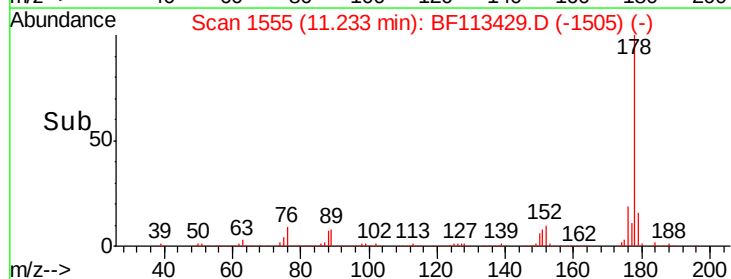
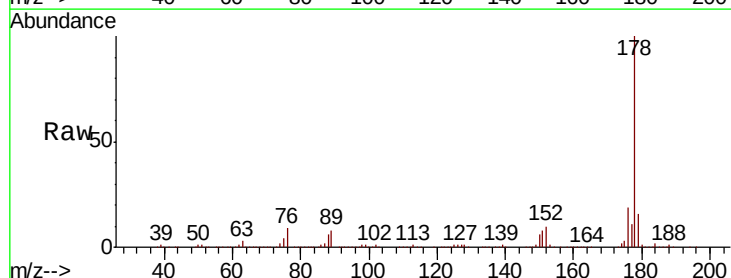
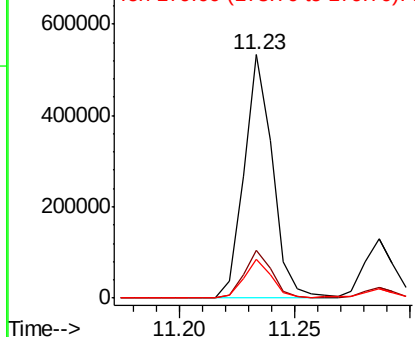
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

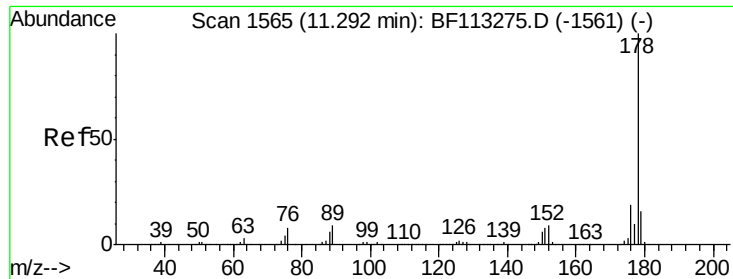


#71
Phenanthrene
Concen: 19.433 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113429.D
Acq: 29 Mar 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	460334		
176	19.4	16.2	24.2	
179	15.7	12.7	19.1	

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.207 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF113429.D

Acq: 29 Mar 2019 22:46

Instrument :

BNA_F

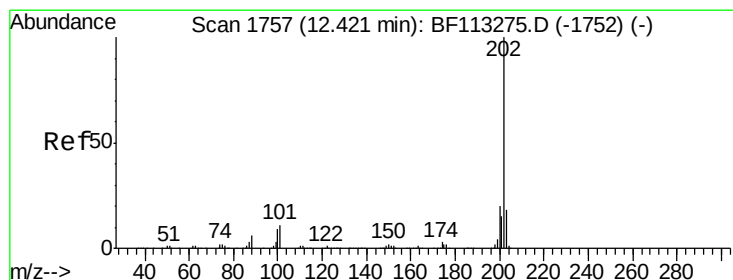
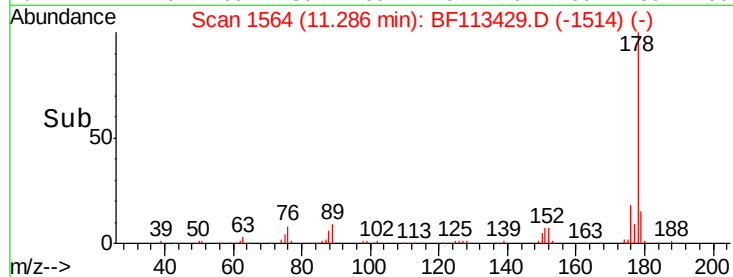
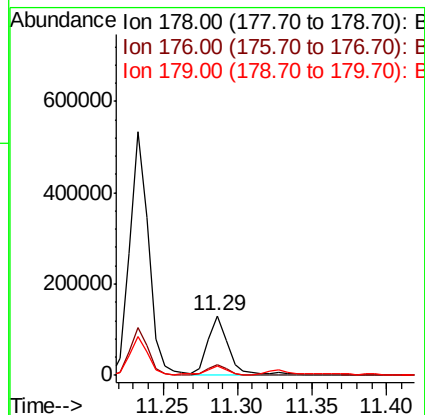
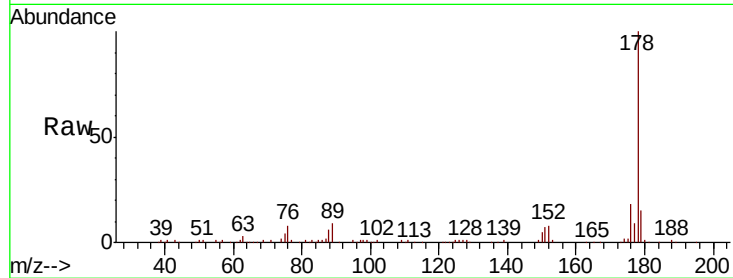
ClientSampleId :

AU-06-032819-B

Tgt Ion:	178	Resp:	125300
Ion Ratio	Lower	Upper	
178	100		
176	17.5	15.4	23.2
179	15.3	12.8	19.2

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#75

Fluoranthene

Concen: 16.562 ng

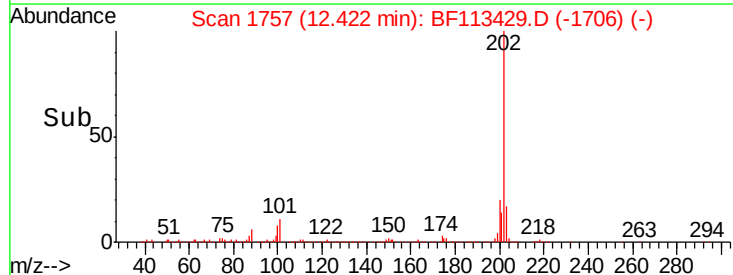
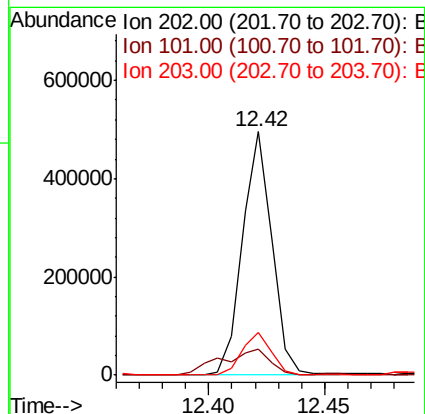
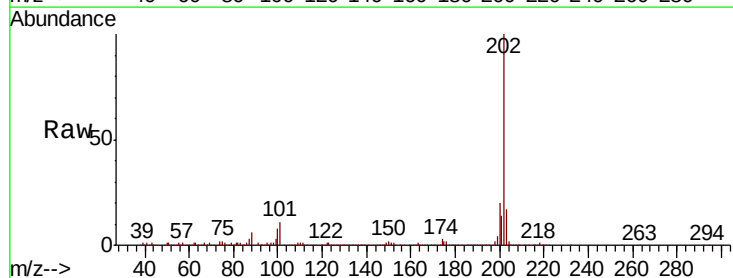
RT: 12.42 min Scan# 1757

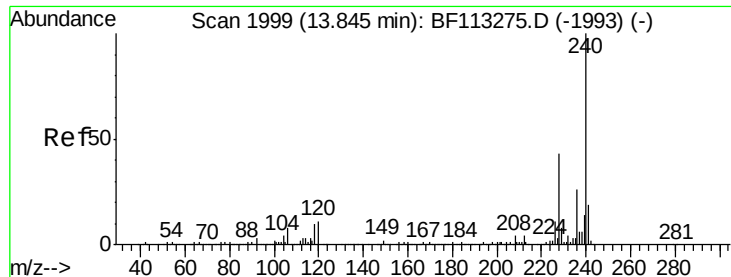
Delta R.T. 0.00 min

Lab File: BF113429.D

Acq: 29 Mar 2019 22:46

Tgt Ion:	202	Resp:	443515
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	31.4
203	17.4	0.0	38.0





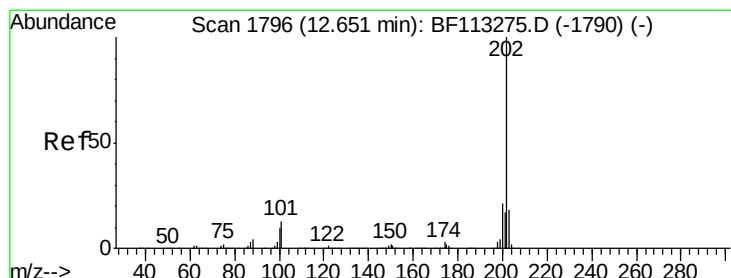
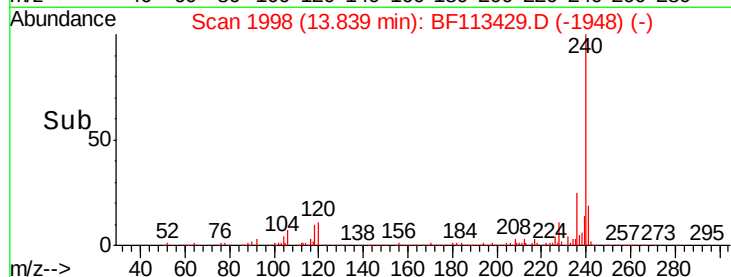
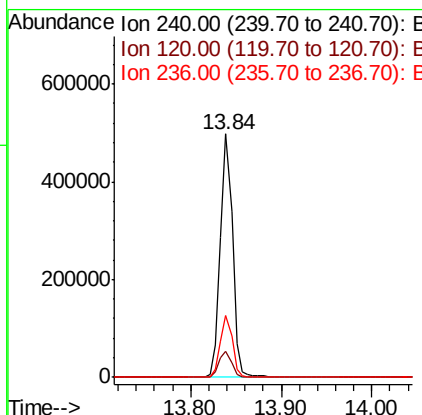
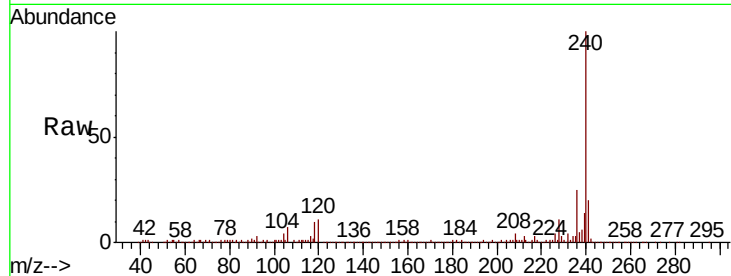
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113429.D
Acq: 29 Mar 2019 22:46

Instrument :
BNA_F
ClientSampleId :
AU-06-032819-B

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	455993		
120	10.9	8.8	13.2	
236	25.3	20.9	31.3	

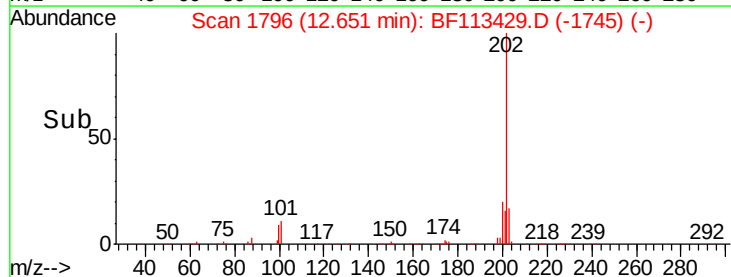
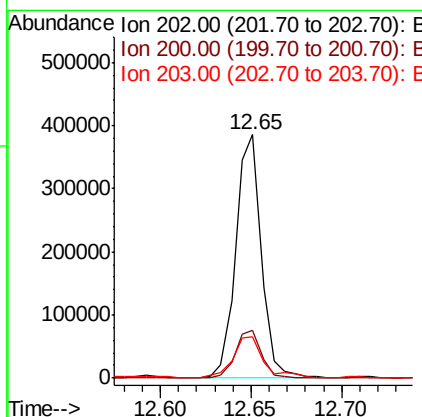
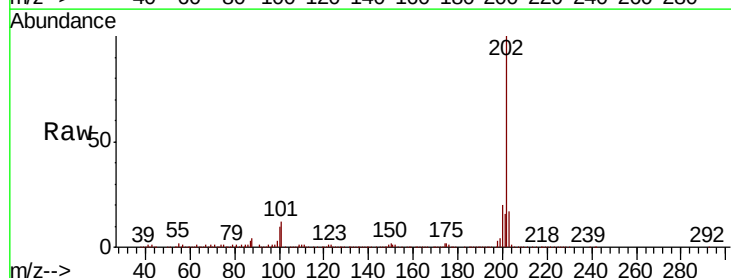
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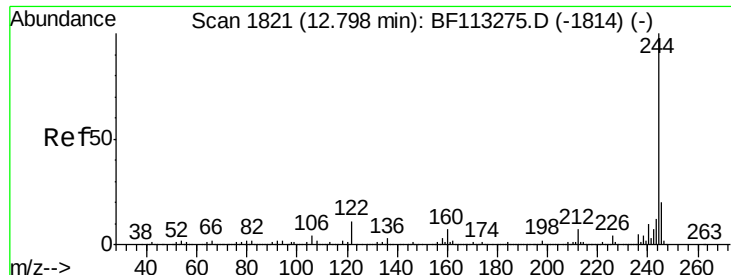
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#78
Pyrene
Concen: 11.814 ng
RT: 12.65 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BF113429.D
Acq: 29 Mar 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	373295		
200	19.8	16.8	25.2	
203	17.2	14.4	21.6	





#79

Terphenyl-d14

Concen: 25.101 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BF113429.D

Acq: 29 Mar 2019 22:46

Instrument :

BNA_F

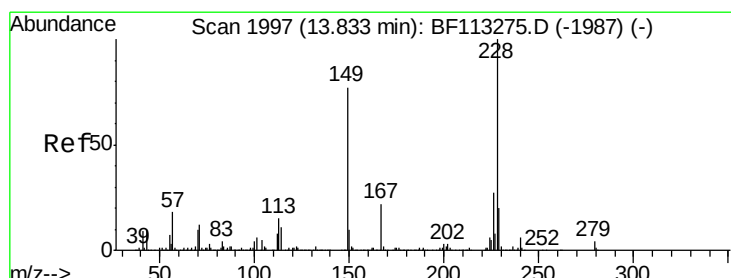
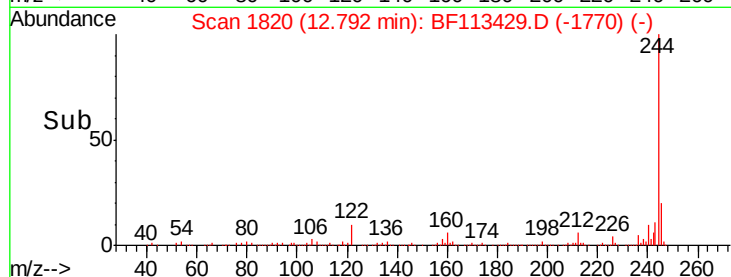
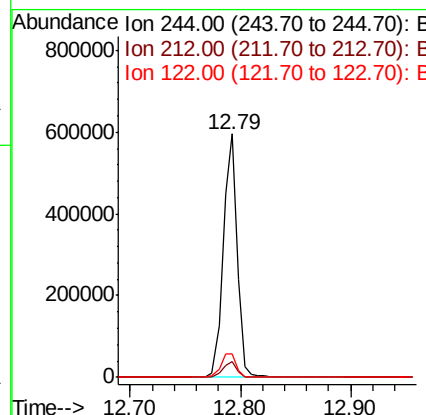
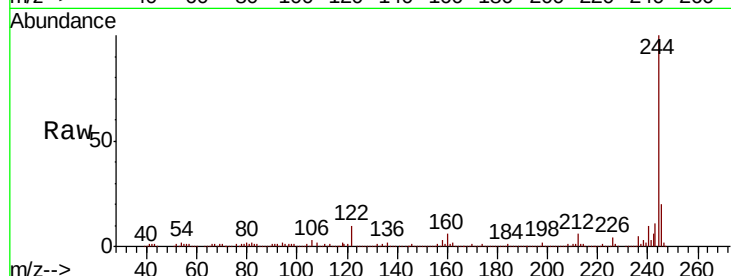
ClientSampleId :

AU-06-032819-B

Tgt Ion:	244	Resp:	519281
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.5	8.3
122	9.8	8.6	13.0

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#81

Benzo(a)anthracene

Concen: 7.150 ng

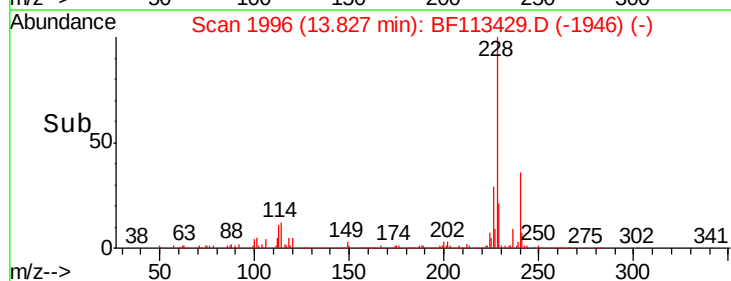
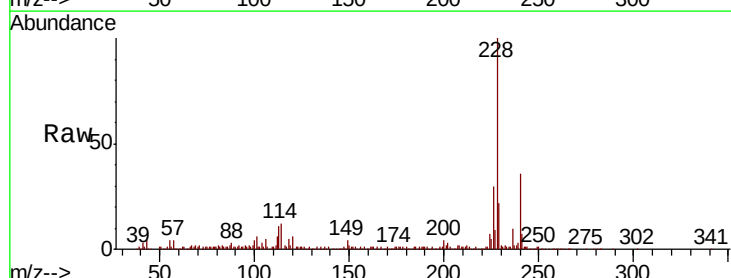
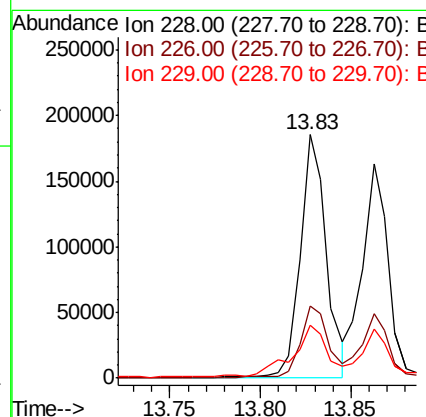
RT: 13.83 min Scan# 1996

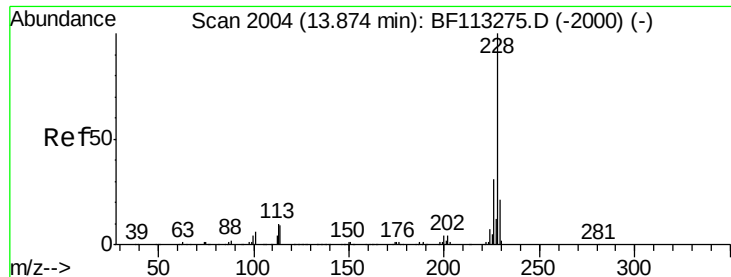
Delta R.T. -0.01 min

Lab File: BF113429.D

Acq: 29 Mar 2019 22:46

Tgt Ion:	228	Resp:	186626
Ion Ratio	Lower	Upper	
228	100		
226	29.7	21.8	32.8
229	21.5	16.2	24.4





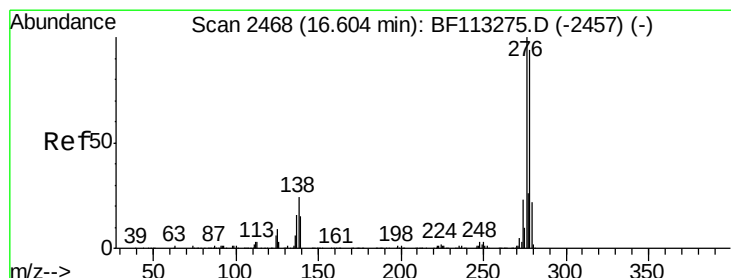
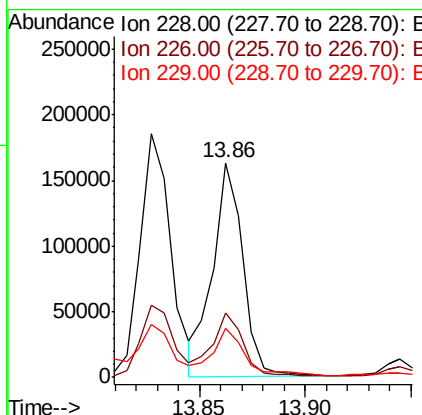
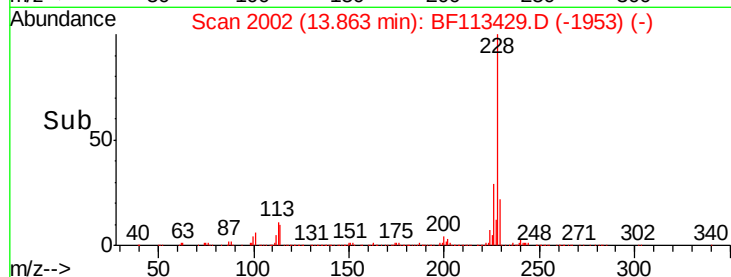
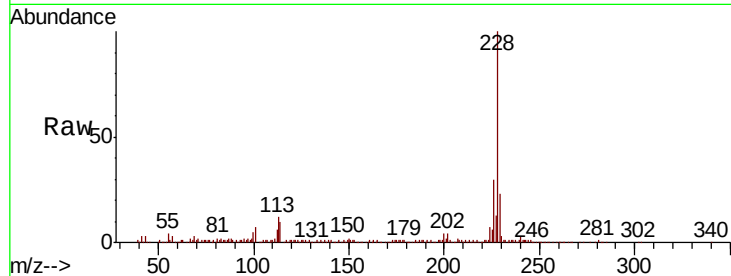
#83
Chrysene
Concen: 6.129 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113429.D
Acq: 29 Mar 2019 22:46

Instrument :
BNA_F
ClientSampleId :
AU-06-032819-B

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	22.6	16.3	24.5

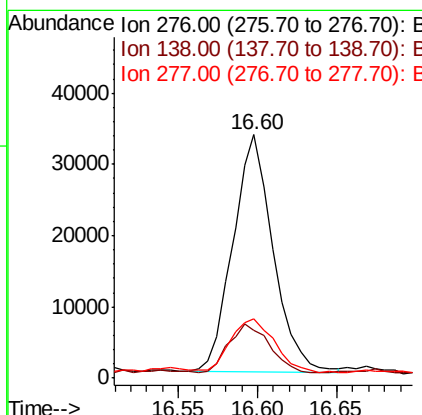
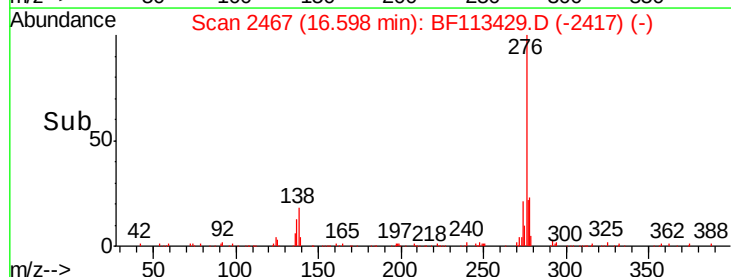
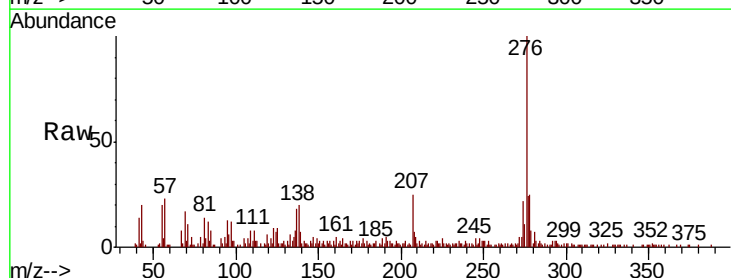
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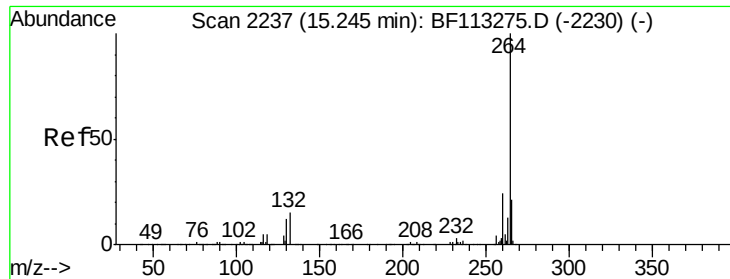
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.557 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113429.D
Acq: 29 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	18.1	27.1
277	24.8	20.2	30.4





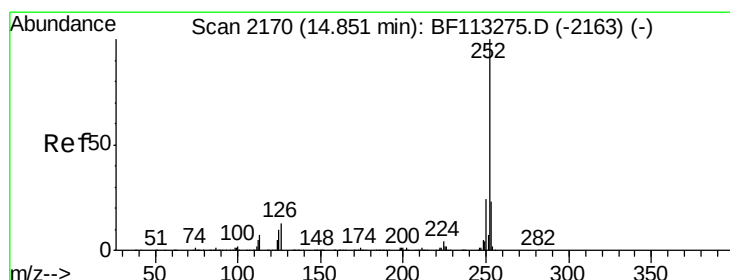
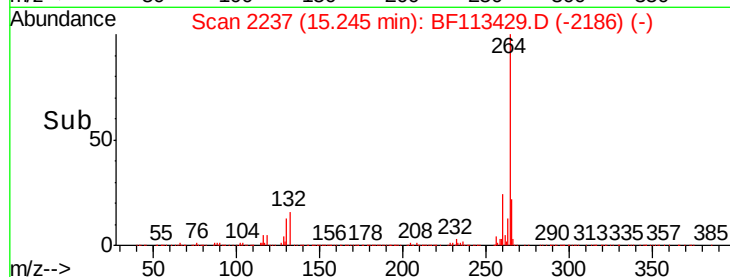
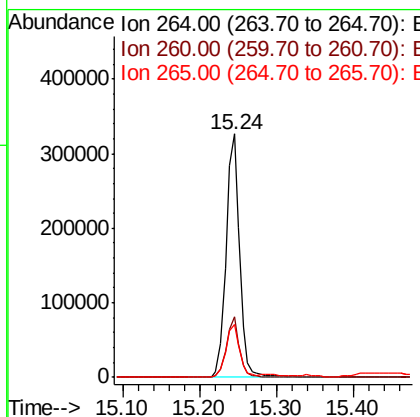
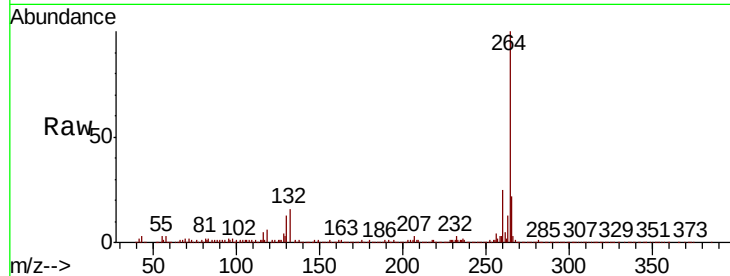
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.00 min
Lab File: BF113429.D
Acq: 29 Mar 2019 22:46

Instrument :
BNA_F
ClientSampleId :
AU-06-032819-B

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	398859		
260	24.7		19.1	28.7
265	21.8		17.1	25.7

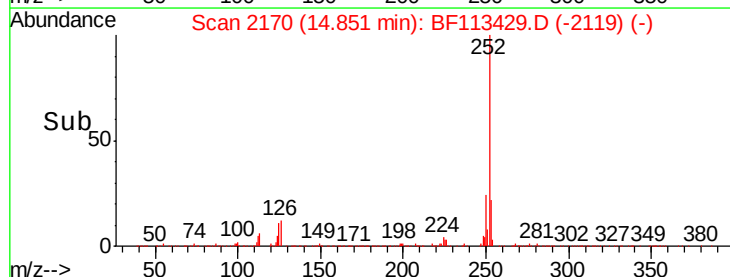
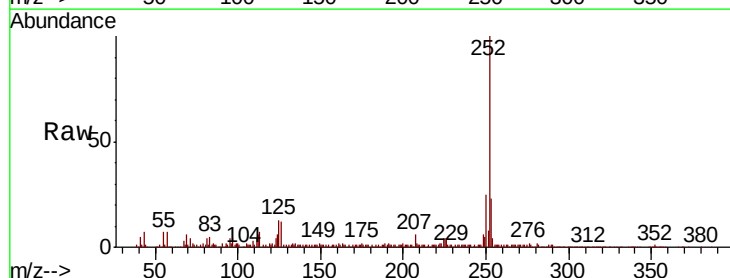
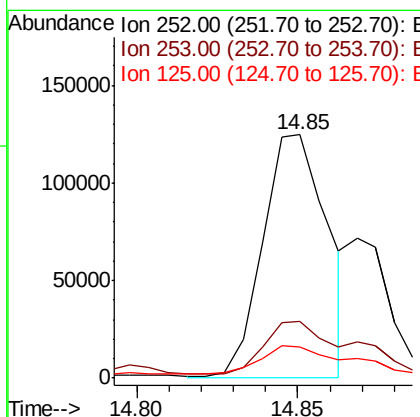
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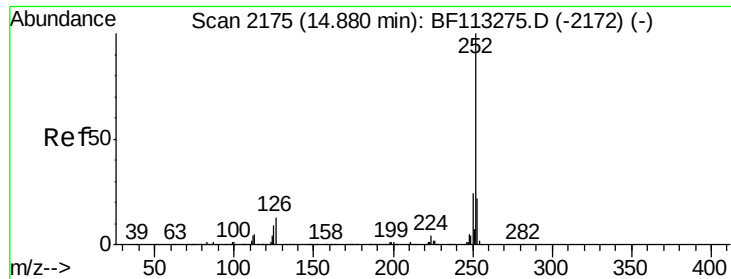
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#88
Benzo(b)fluoranthene
Concen: 7.092 ng m
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF113429.D
Acq: 29 Mar 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	175725		
253	23.1		18.0	27.0
125	12.7		7.6	11.4#





#89

Benzo(k)fluoranthene

Concen: 3.026 ng m

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF113429.D

Acq: 29 Mar 2019 22:46

Instrument :

BNA_F

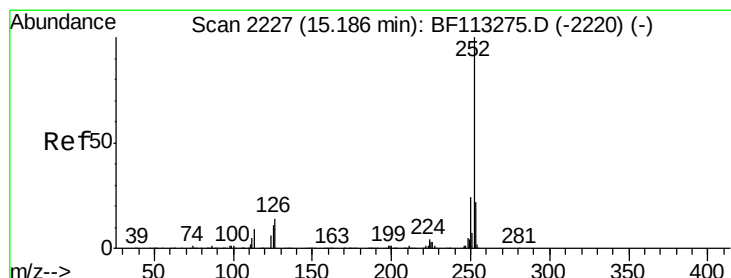
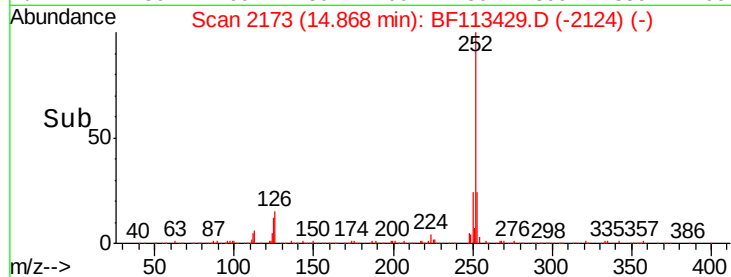
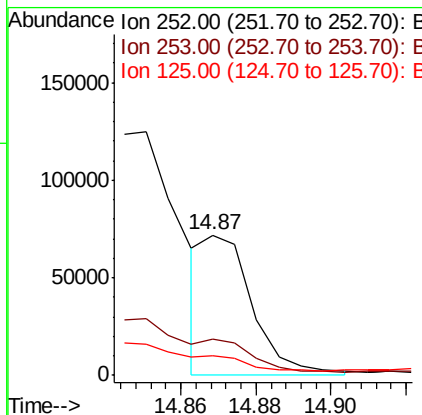
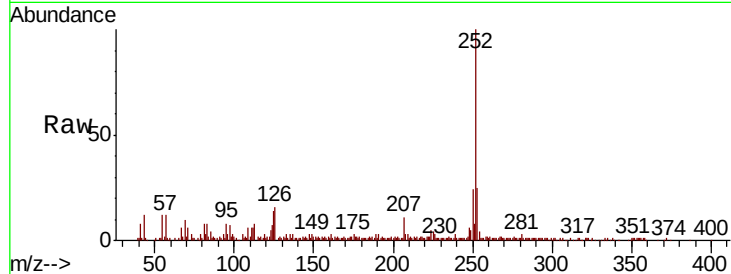
ClientSampleId :

AU-06-032819-B

Tgt Ion:	252	Resp:	65847
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.7	26.5
125	14.4	7.3	10.9#

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#90

Benzo(a)pyrene

Concen: 5.808 ng

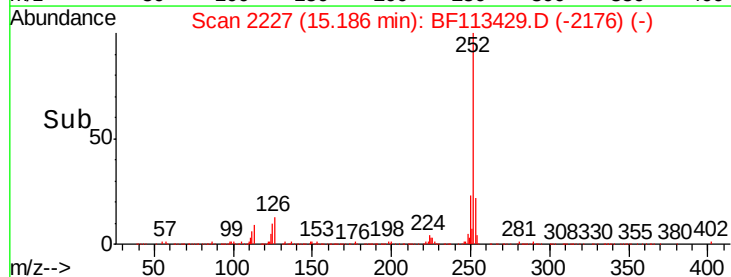
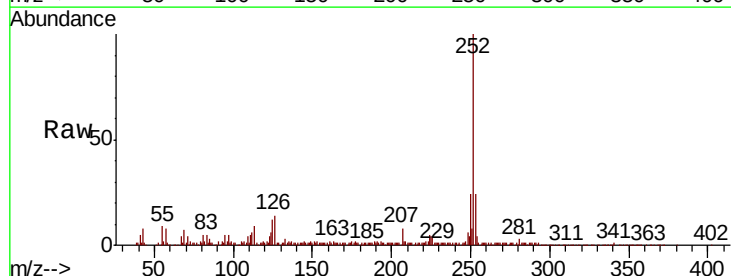
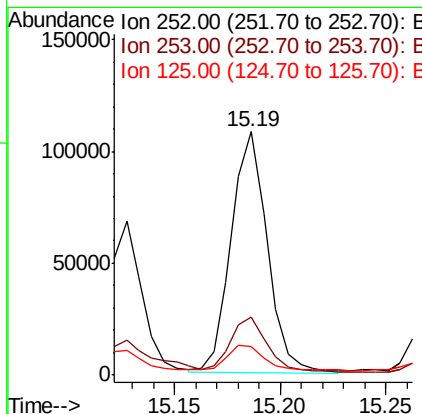
RT: 15.19 min Scan# 2227

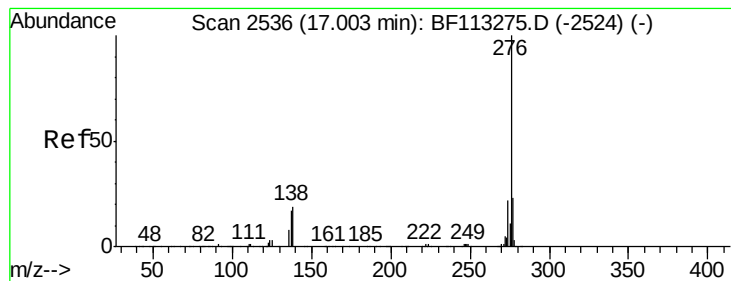
Delta R.T. 0.00 min

Lab File: BF113429.D

Acq: 29 Mar 2019 22:46

Tgt Ion:	252	Resp:	127582
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.9	26.9
125	11.7	8.8	13.2





#92

Benzo(g,h,i)perylene

Concen: 2.762 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.00 min

Lab File: BF113429.D

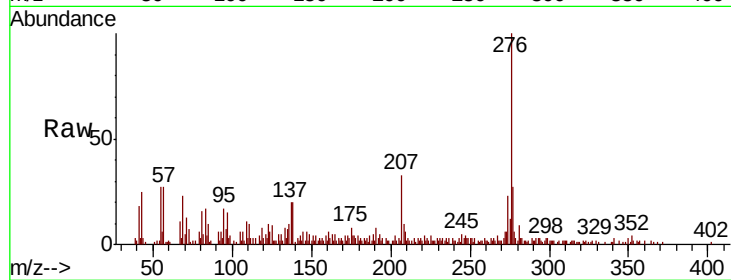
Acq: 29 Mar 2019 22:46

Instrument :

BNA_F

ClientSampleId :

AU-06-032819-B



Tgt Ion:	276	Resp:	52901
Ion Ratio	Lower	Upper	
276	100		
277	27.4	18.8	28.2
138	19.9	15.6	23.4

Manual Integrations
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