

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
 Data File : BF112156.D
 Acq On : 21 Jan 2019 14:05
 Operator : JU/SJ
 Sample : K1009-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
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 1/22/2019 9:58:55 AM

Quant Time: Jan 21 16:30:23 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	276331	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1068687	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	485591	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	737192	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	597889	20.00	ng	0.00
87) Perylene-d12	15.49	264	531594	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	728839	47.87	ng	-0.01
7) Phenol-d6	6.49	99	904188	47.47	ng	-0.01
23) Nitrobenzene-d5	7.41	82	537139	34.73	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	209806	40.05	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	1091695	32.96	ng	0.00
79) Terphenyl-d14	12.96	244	780063	27.76	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) 2-Methylnaphthalene	8.85	142	126420	3.830	ng	99
38) 1-Methylnaphthalene	8.95	142	131325	4.140	ng	98
50) Dimethylphthalate	9.60	163	74311	2.098	ng	# 97
52) Acenaphthene	9.92	154	86280	3.040	ng	99
58) Fluorene	10.43	166	190861	5.953	ng	99
71) Phenanthrene	11.40	178	976209	26.313	ng	99
72) Anthracene	11.45	178	255486	6.798	ng	99
75) Fluoranthene	12.59	202	857496	21.891	ng	99
78) Pyrene	12.82	202	980980	24.869	ng	99
81) Benzo(a)anthracene	14.01	228	405774	11.837	ng	95
83) Chrysene	14.04	228	398015	12.270	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	124148	4.148	ng	# 94
88) Benzo(b)fluoranthene	15.06	252	383154m	12.698	ng	
89) Benzo(k)fluoranthene	15.09	252	117921m	4.038	ng	
90) Benzo(a)pyrene	15.43	252	293222	10.596	ng	# 92
92) Benzo(g,h,i)perylene	17.42	276	122067	5.041	ng	94

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

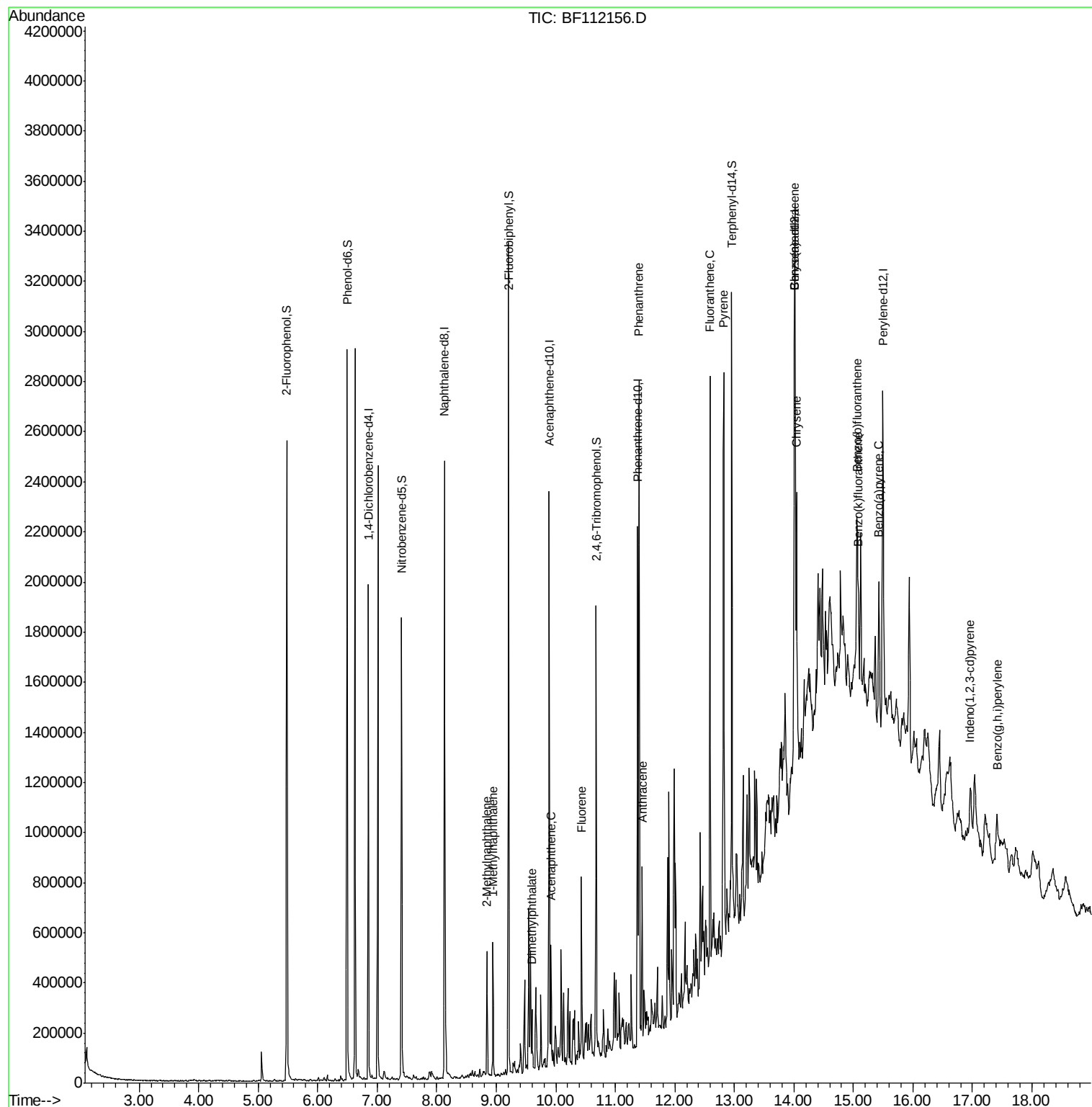
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112156.D
Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

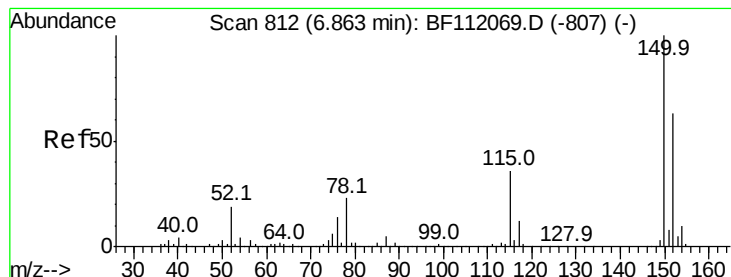
Instrument :
BNA_F
ClientSampled :
CL-01-011819-A

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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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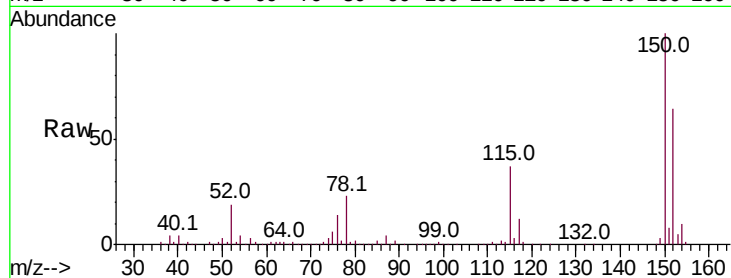
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF112156.D
 Acq: 21 Jan 2019 14:05

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	127.4	191.0
115	58.0	45.5	68.3

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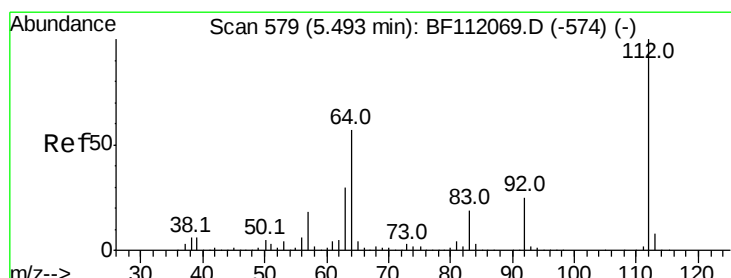
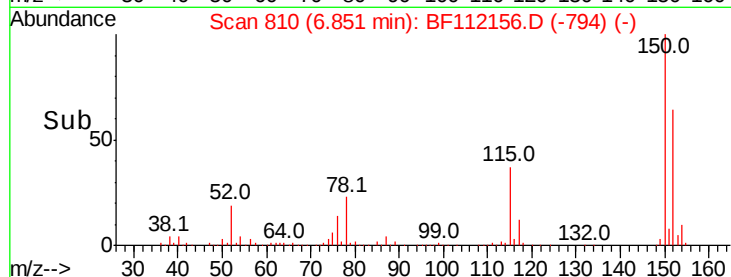
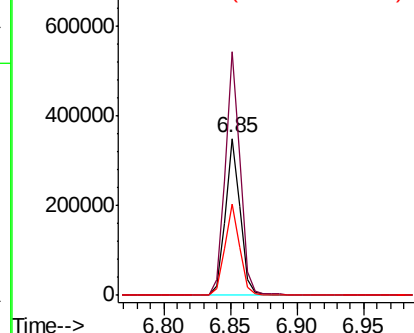


Abundance

Ion 152.00 (151.70 to 152.70): E

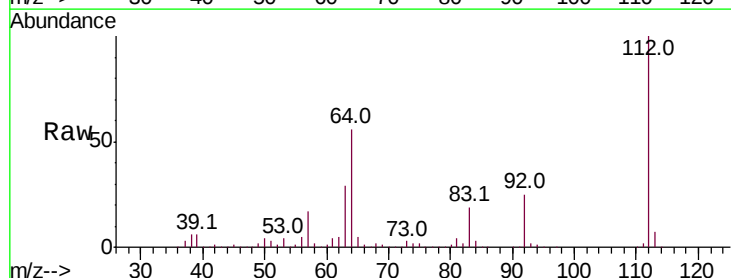
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 47.873 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: BF112156.D
 Acq: 21 Jan 2019 14:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	45.7	68.5
63	29.2	23.6	35.4

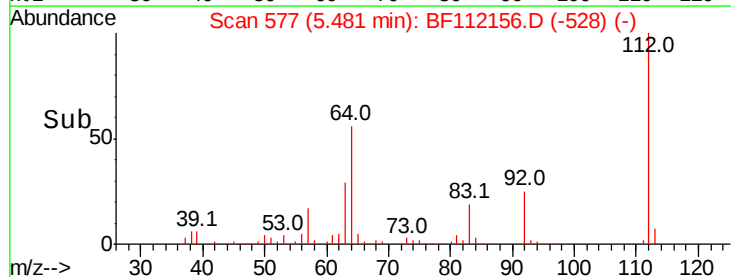
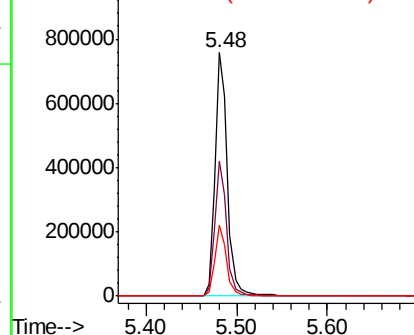


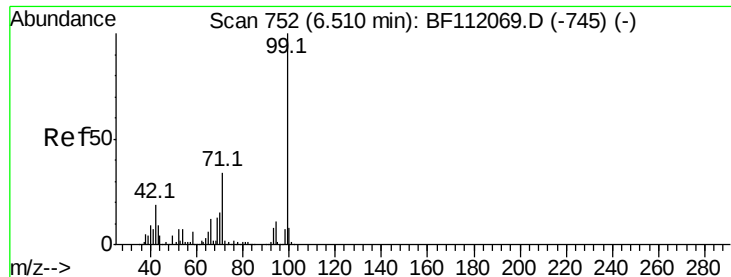
Abundance

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: 47.468 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

Instrument :

BNA_F

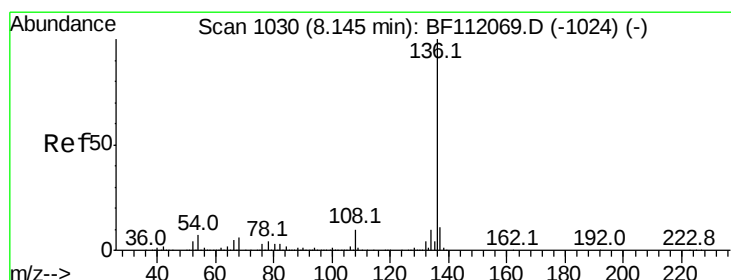
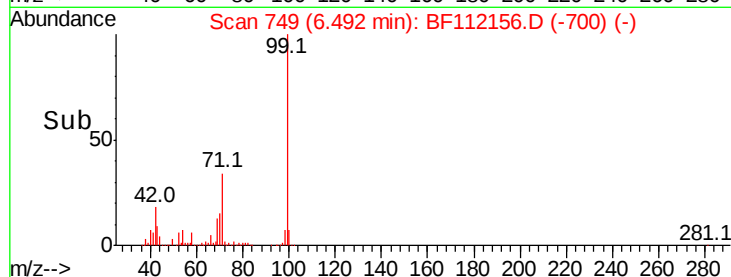
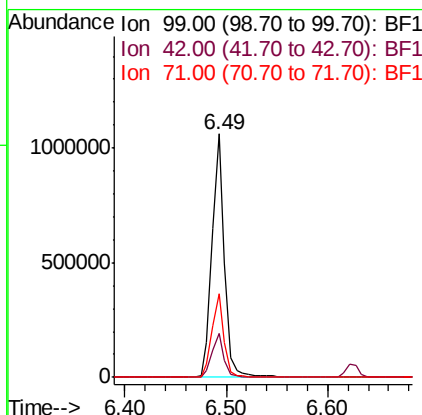
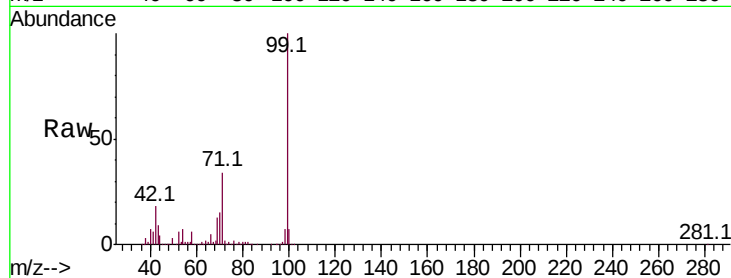
ClientSampleId :

CL-01-011819-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		904188		
42	17.8	15.1	22.7		
71	34.2	26.9	40.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

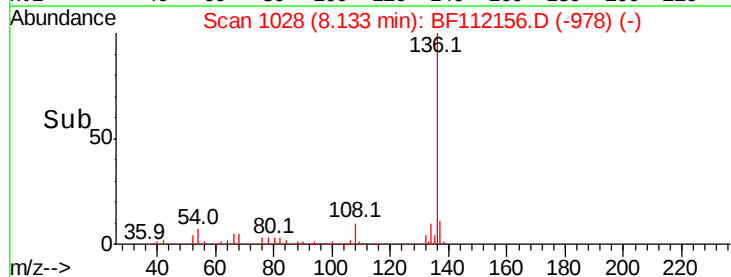
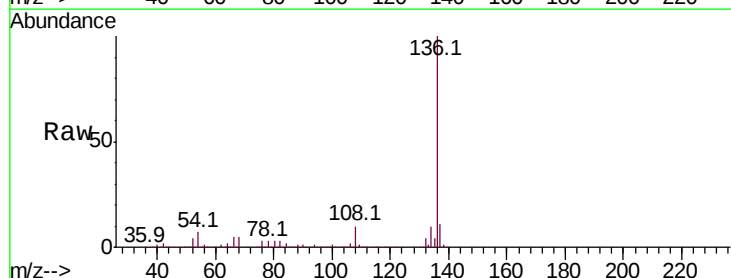
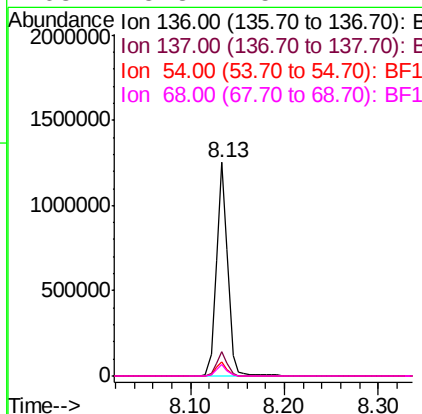
RT: 8.13 min Scan# 1028

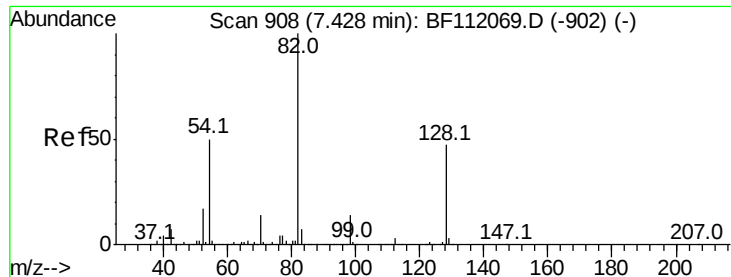
Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		1068687		
137	11.4	9.1	13.7		
54	6.8	5.9	8.9		
68	5.3	5.1	7.7		





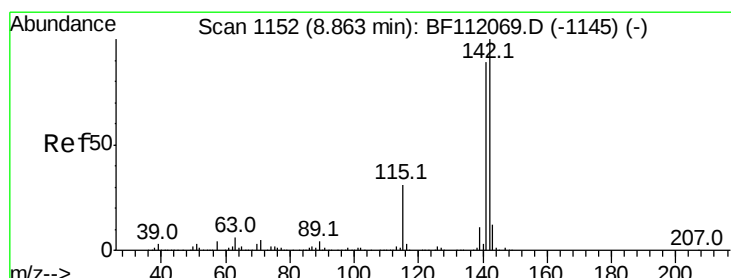
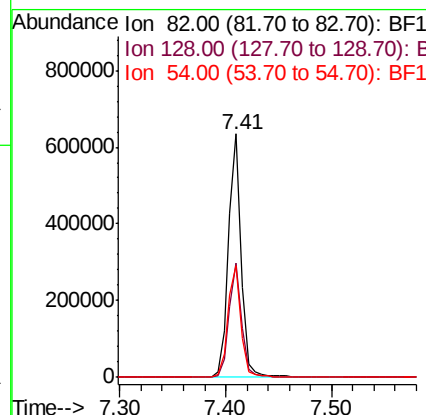
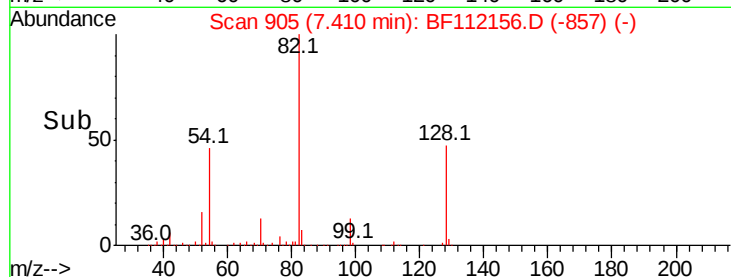
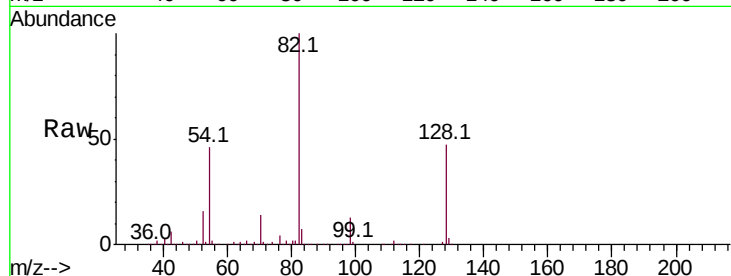
#23
 Nitrobenzene-d5
 Concen: 34.725 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.02 min
 Lab File: BF112156.D
 Acq: 21 Jan 2019 14:05

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.8	56.8
54	45.7	39.7	59.5

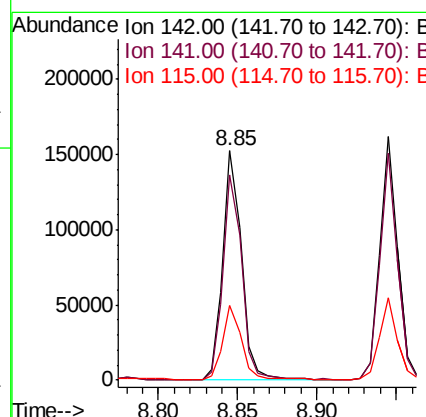
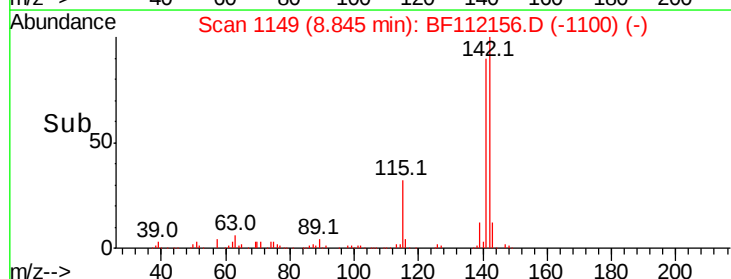
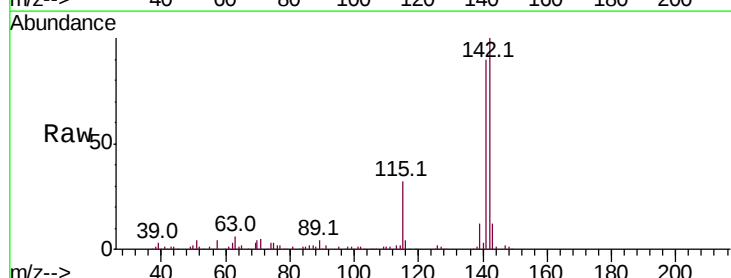
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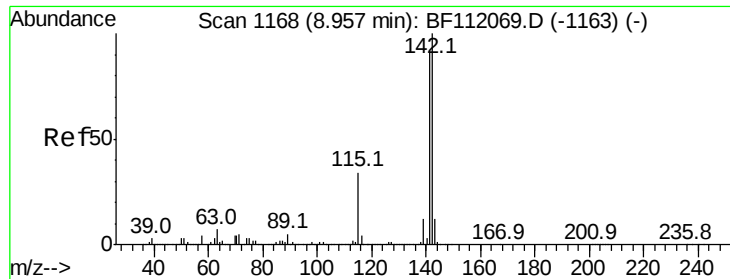
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#37
 2-Methylnaphthalene
 Concen: 3.830 ng
 RT: 8.85 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BF112156.D
 Acq: 21 Jan 2019 14:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.9	106.3
115	32.4	24.9	37.3





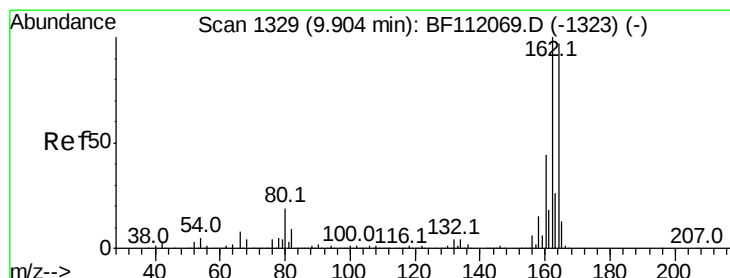
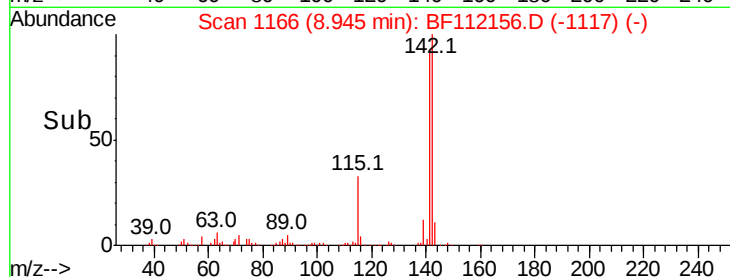
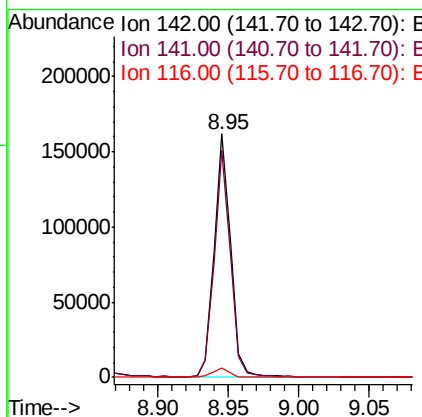
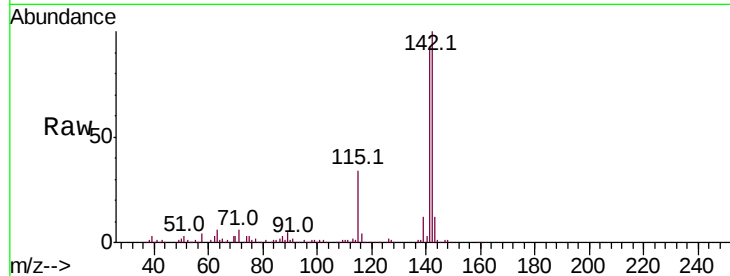
#38
1-Methylnaphthalene
Concen: 4.140 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF112156.D
Acq: 21 Jan 2019 14:05

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

Tot Ion	Ratio	Resp	Lower	Upper
142	100	131325		
141	93.1	72.6	108.8	
116	3.8	2.8	4.2	

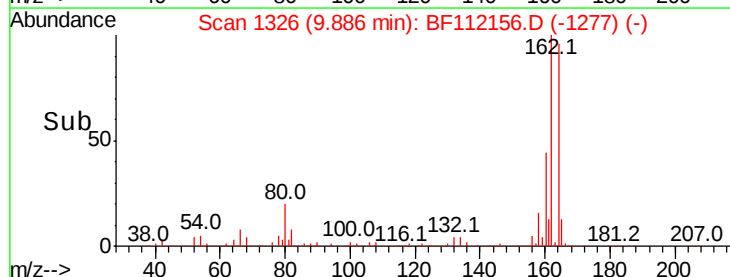
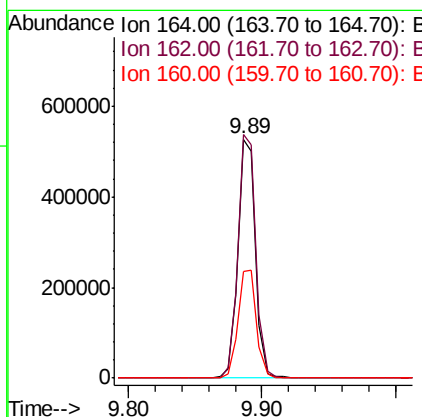
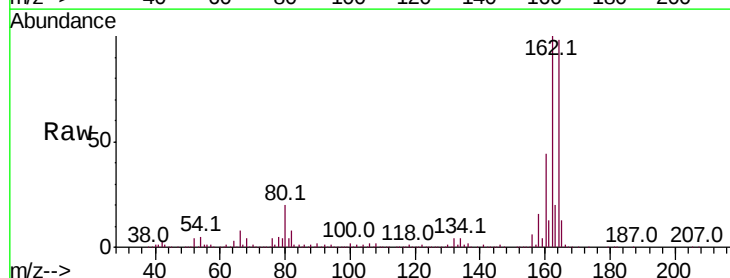
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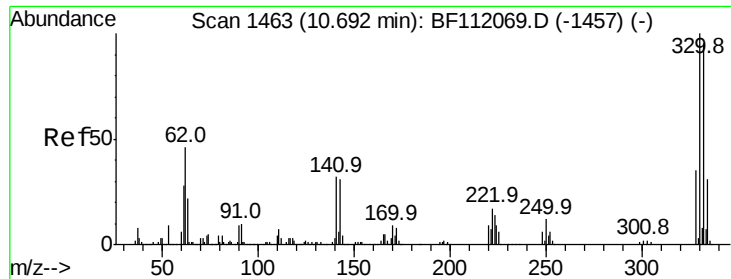
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF112156.D
Acq: 21 Jan 2019 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	485591		
162	102.0	82.2	123.4	
160	44.9	36.2	54.4	





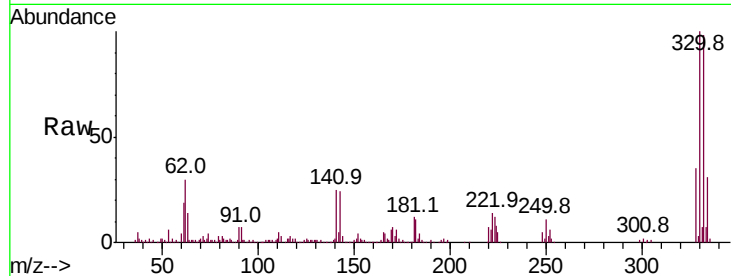
#42
 2,4,6-Tribromophenol
 Concen: 40.051 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112156.D
 Acq: 21 Jan 2019 14:05

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	209806		
332	98.0	76.6	114.8	
141	31.9	24.3	36.5	

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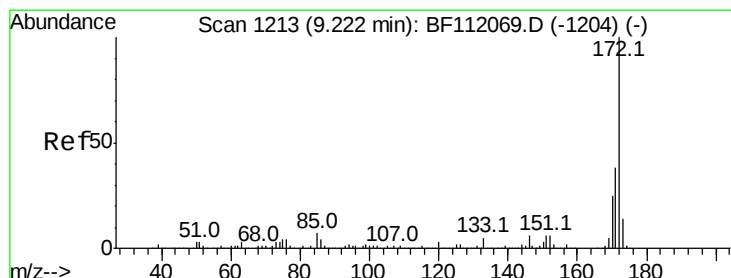
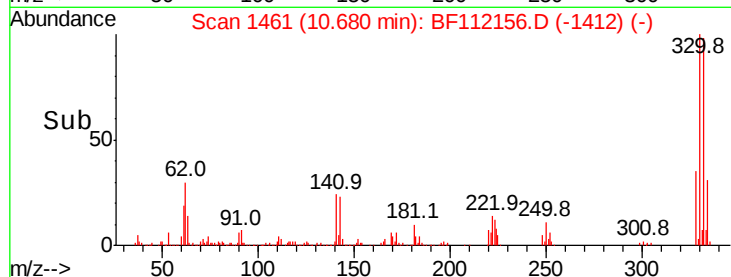
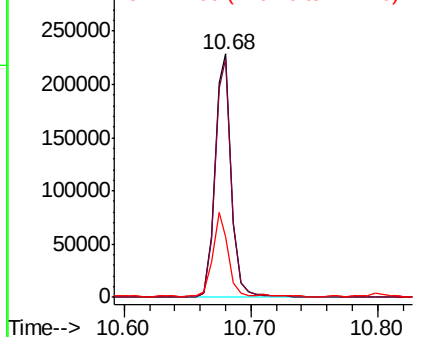


Abundance

Ion 329.80 (329.50 to 330.50): E

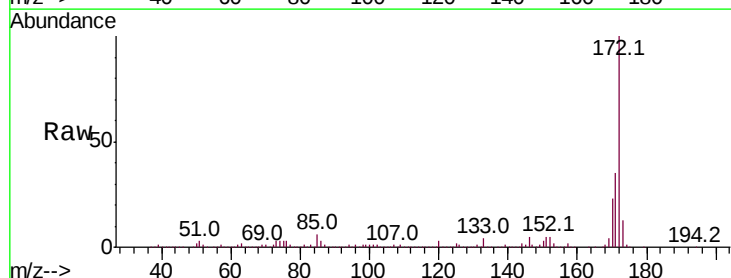
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 32.961 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112156.D
 Acq: 21 Jan 2019 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1091695		
171	35.1	30.5	45.7	
170	23.2	20.2	30.4	

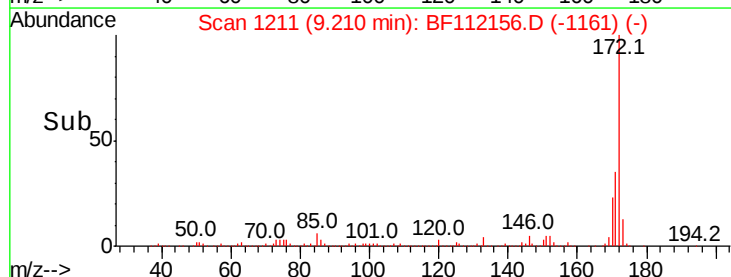
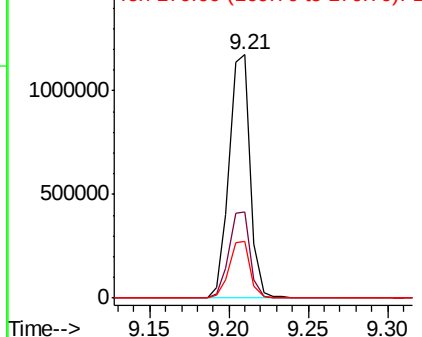


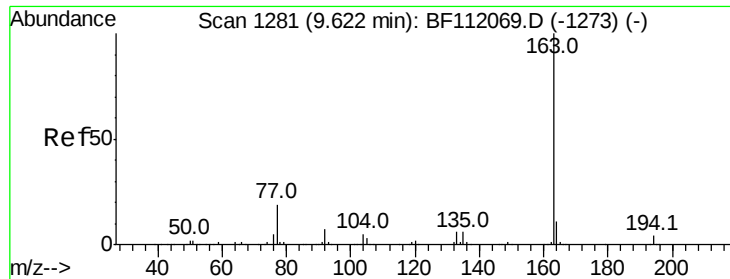
Abundance

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





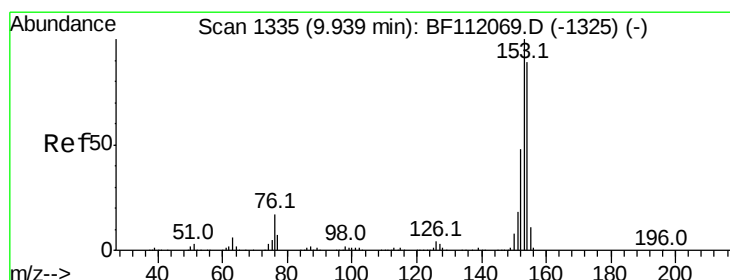
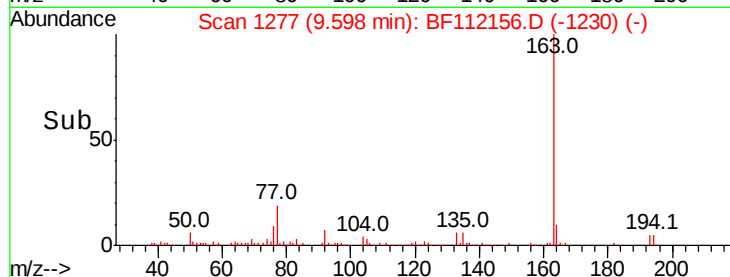
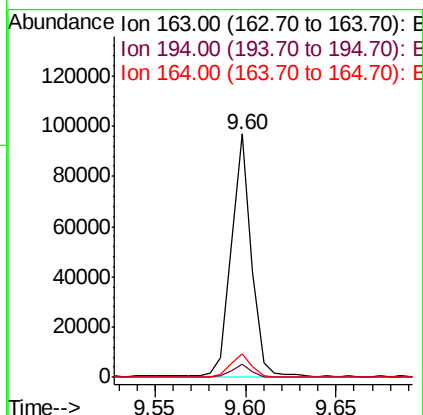
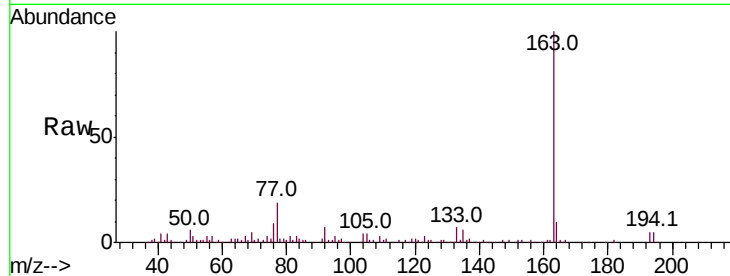
#50
Dimethylphthalate
Concen: 2.098 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF112156.D
Acq: 21 Jan 2019 14:05

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100	74311		
194	5.3		3.3	4.9#
164	9.7		8.5	12.7

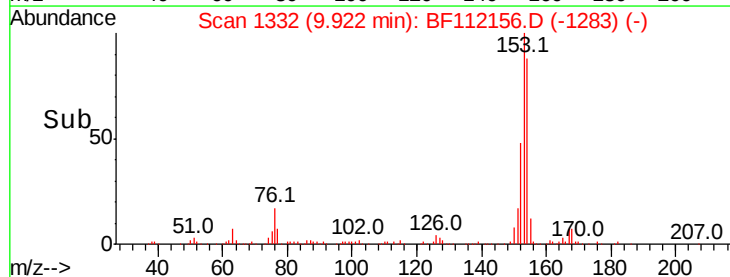
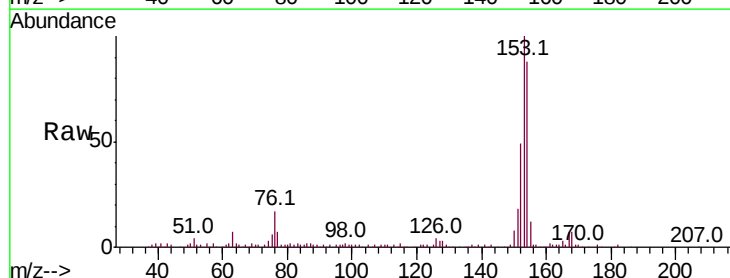
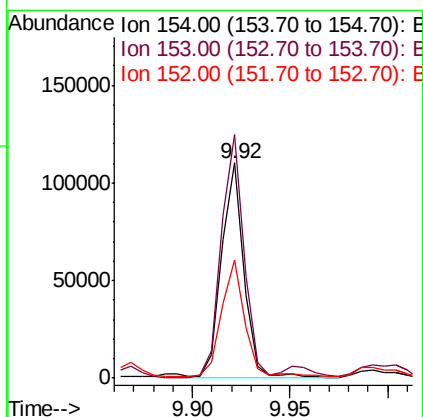
Manual Integrations
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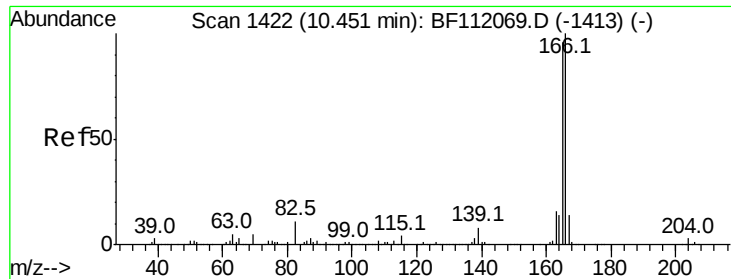
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#52
Acenaphthene
Concen: 3.040 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF112156.D
Acq: 21 Jan 2019 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	86280		
153	113.1		89.8	134.6
152	55.2		43.5	65.3





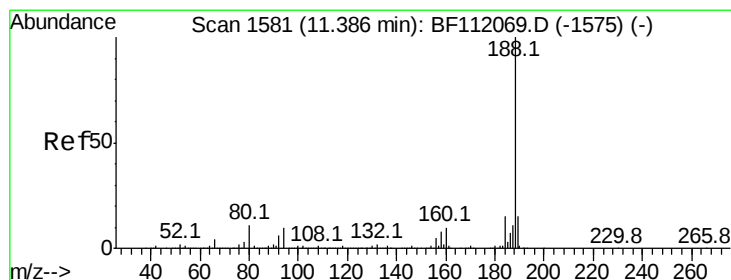
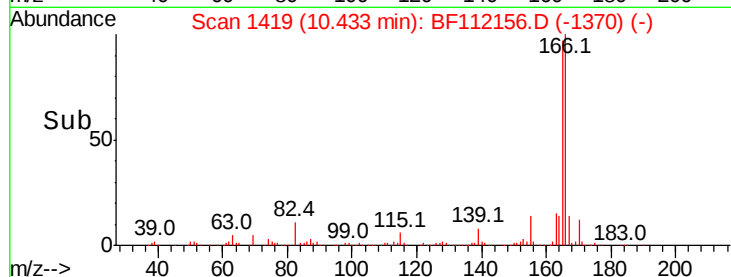
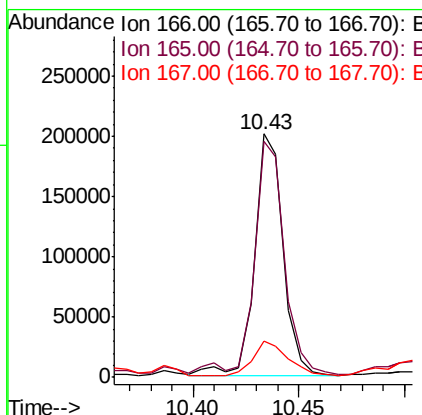
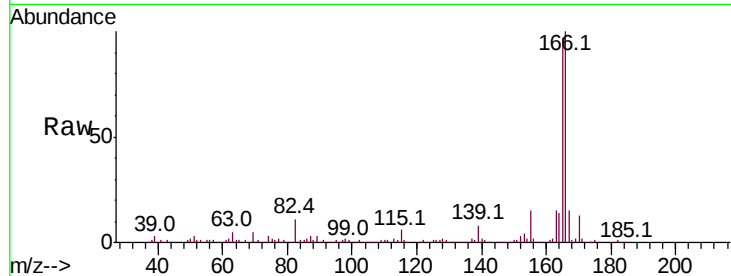
#58
 Fluorene
 Concen: 5.953 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF112156.D
 Acq: 21 Jan 2019 14:05

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

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.1	115.7
167	14.7	11.3	16.9

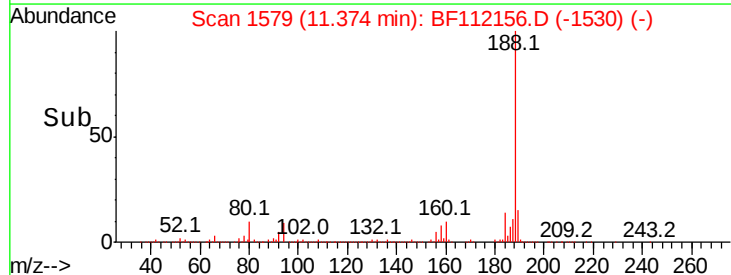
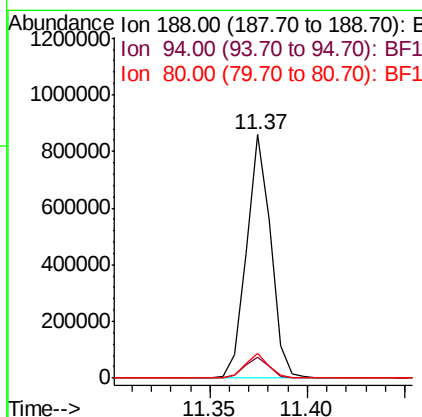
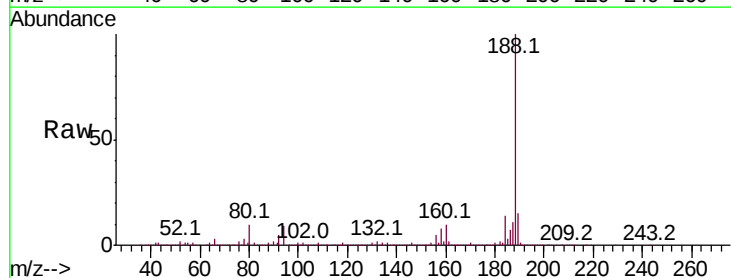
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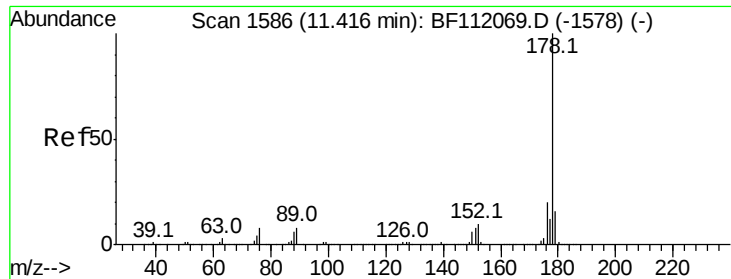
Sohil
 1/22/2019 9:58:55 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF112156.D
 Acq: 21 Jan 2019 14:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	10.0	8.9	13.3





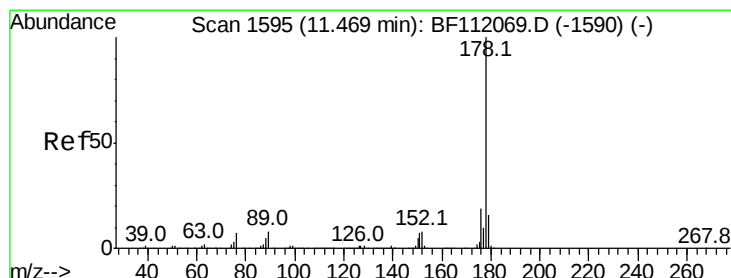
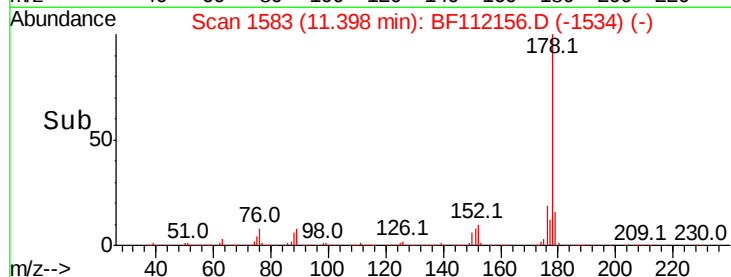
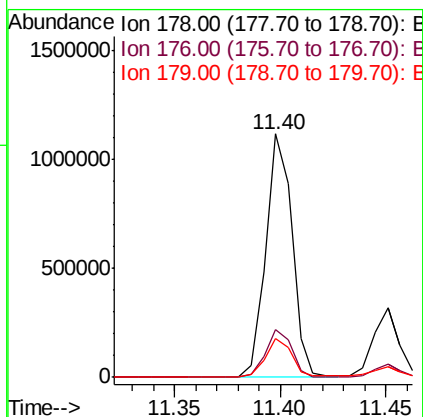
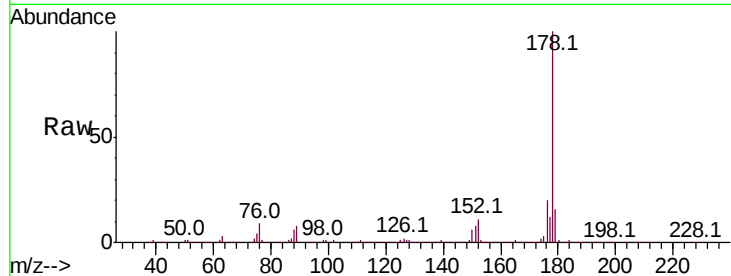
#71
Phenanthrene
Concen: 26.313 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF112156.D
Acq: 21 Jan 2019 14:05

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.3	24.5
179	16.0	13.0	19.4

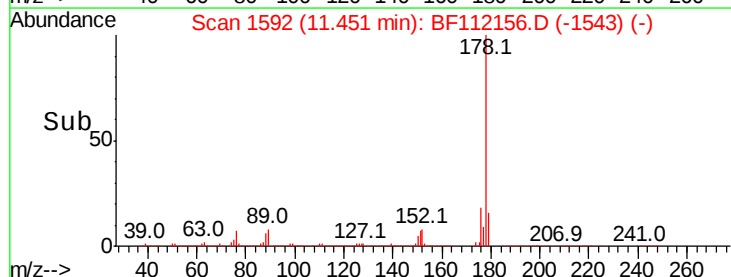
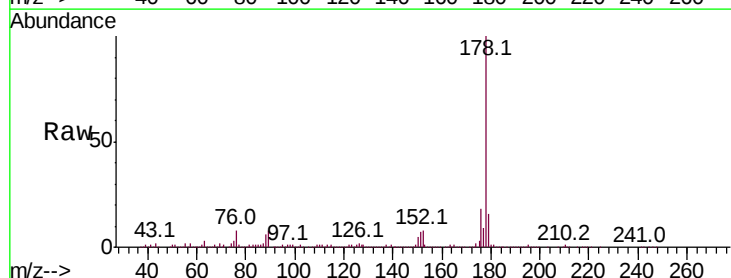
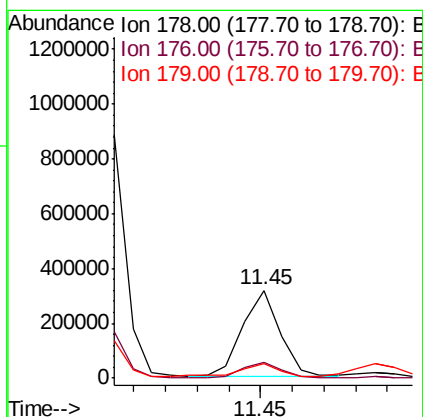
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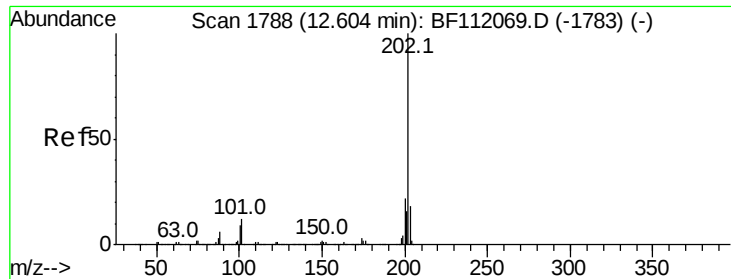
Sohil
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#72
Anthracene
Concen: 6.798 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF112156.D
Acq: 21 Jan 2019 14:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	16.1	12.8	19.2





#75

Fluoranthene

Concen: 21.891 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

Instrument :

BNA_F

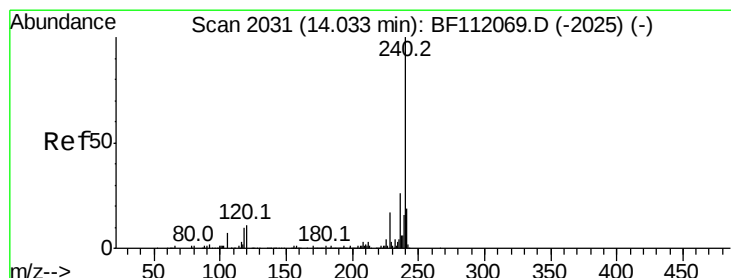
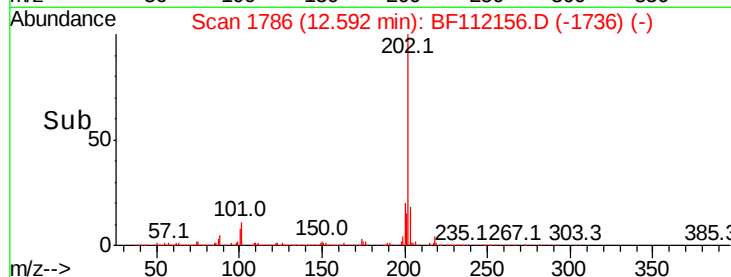
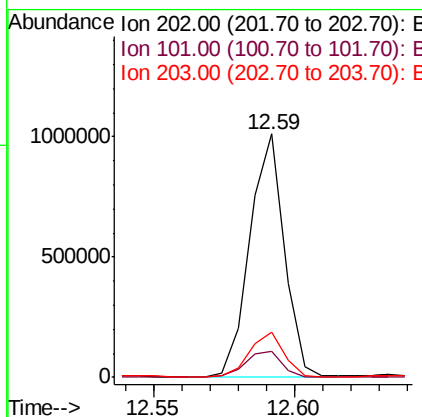
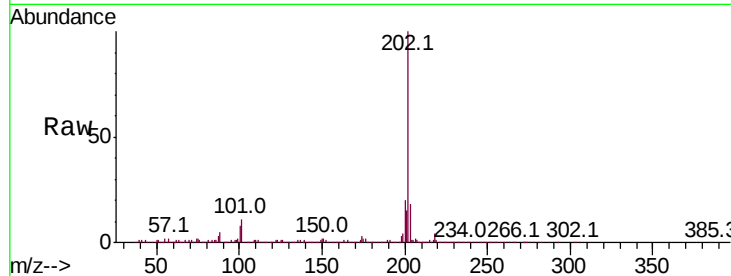
ClientSampleId :

CL-01-011819-A

Tot Ion:	202	Resp:	857496
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	31.8
203	18.3	0.0	38.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

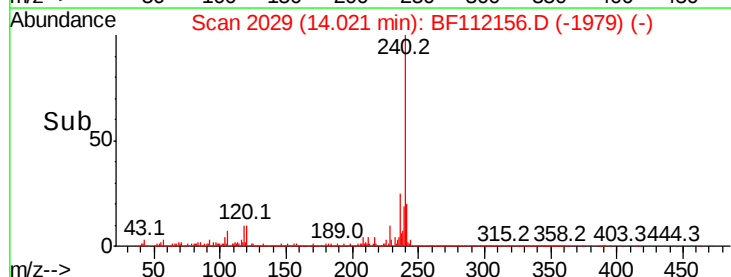
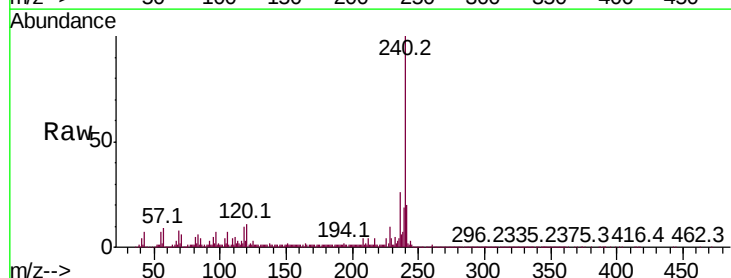
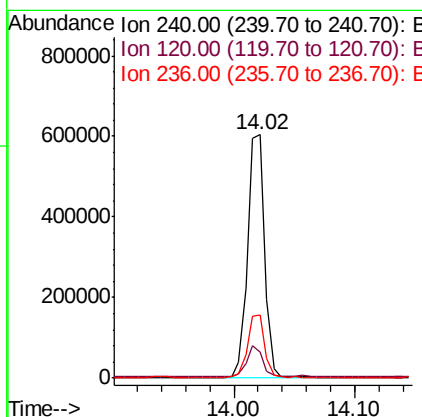
RT: 14.02 min Scan# 2029

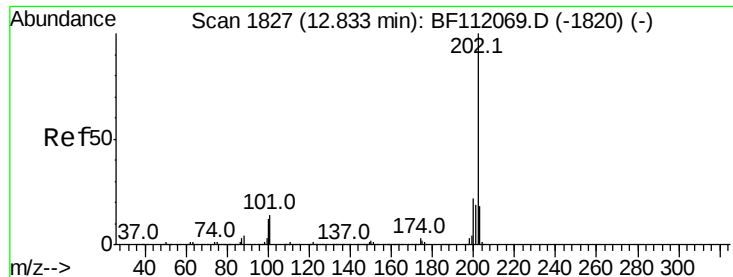
Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

Tgt Ion:	240	Resp:	597889
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.0	13.6
236	25.7	20.7	31.1





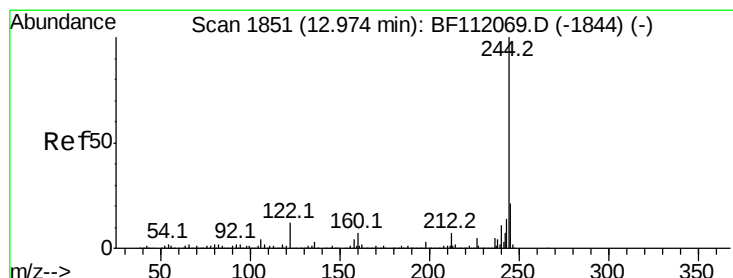
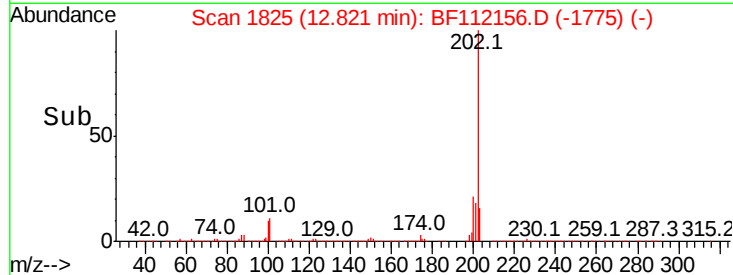
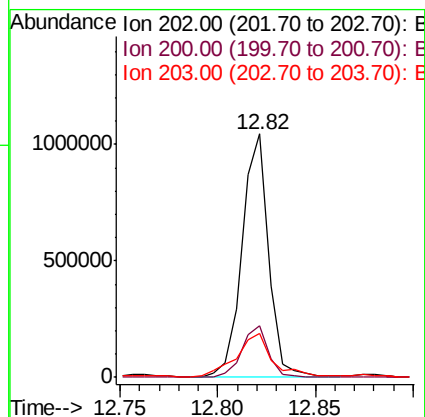
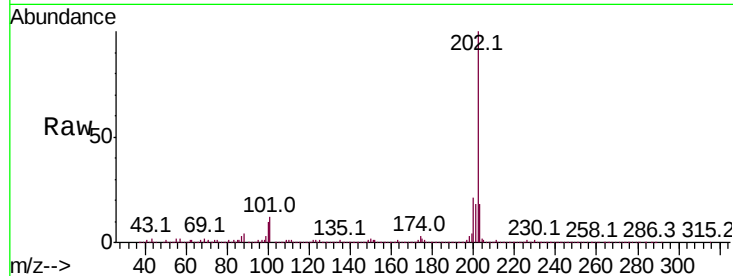
#78
Pvrene
Concen: 24.869 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112156.D
Acq: 21 Jan 2019 14:05

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.7	26.5
203	18.0	14.6	22.0

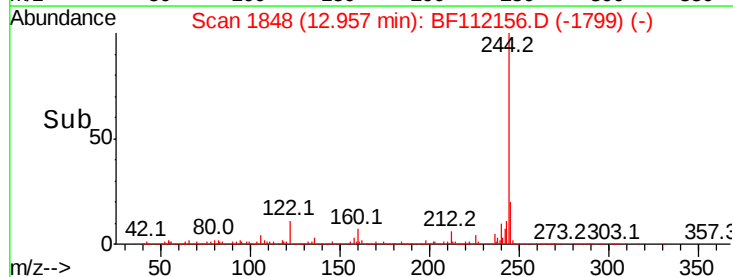
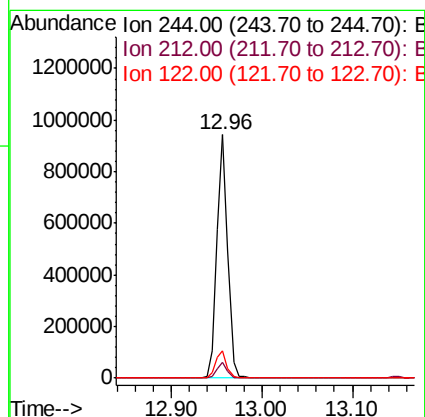
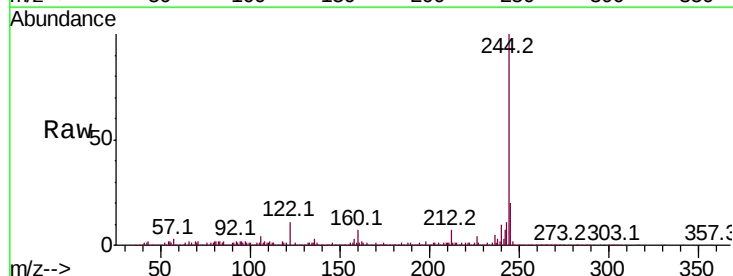
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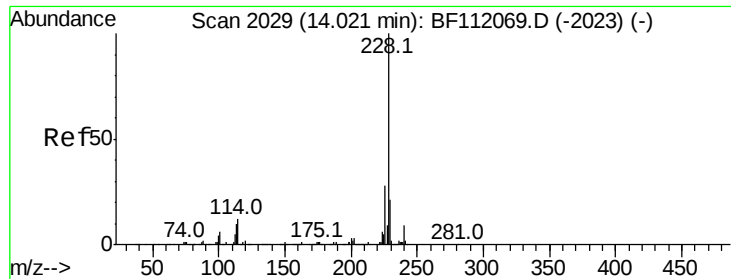
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#79
Terphenyl-d14
Concen: 27.756 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF112156.D
Acq: 21 Jan 2019 14:05

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	5.9	8.9
122	11.1	9.8	14.6





#81

Benzo(a)anthracene

Concen: 11.837 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

Instrument :

BNA_F

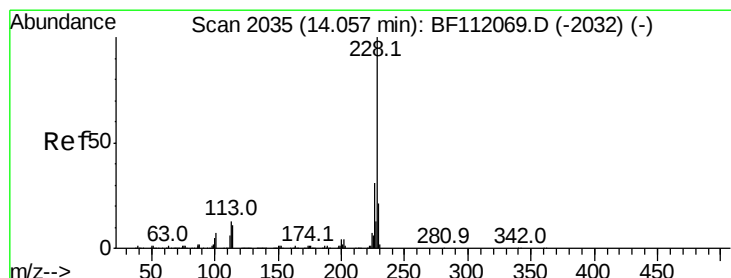
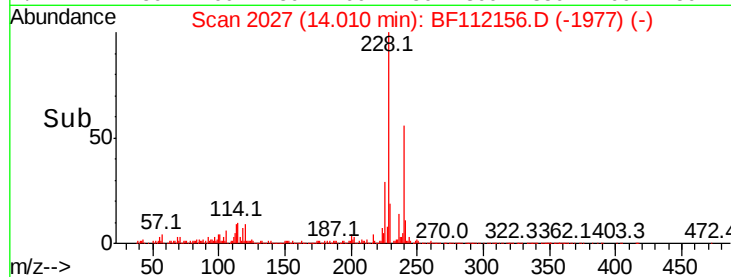
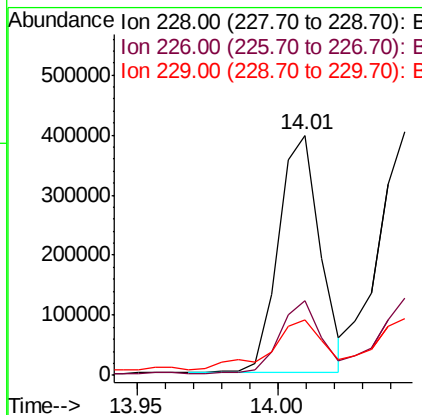
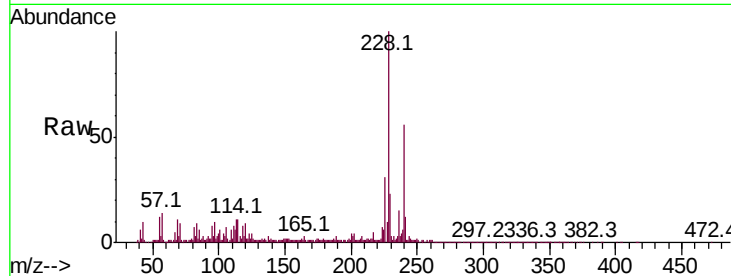
ClientSampleId :

CL-01-011819-A

Tot Ion:	228	Resp:	405774
Ion Ratio	Lower	Upper	
228	100		
226	31.0	22.6	34.0
229	22.9	16.5	24.7

Manual Integrations
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#83

Chrysene

Concen: 12.270 ng

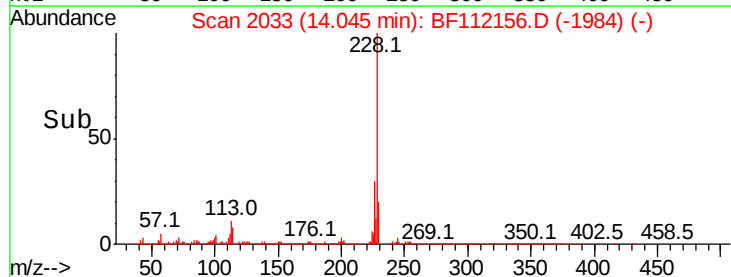
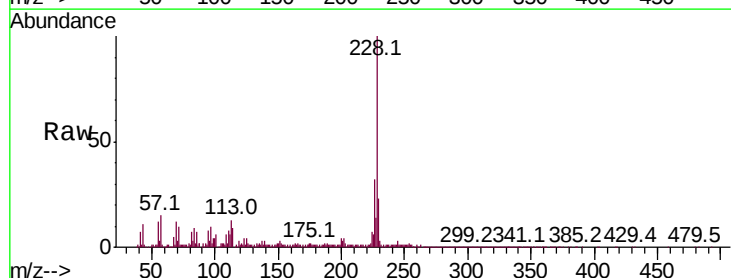
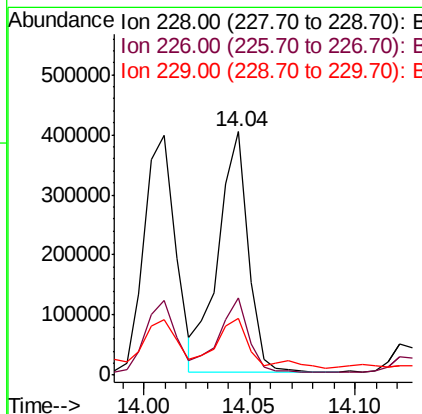
RT: 14.04 min Scan# 2033

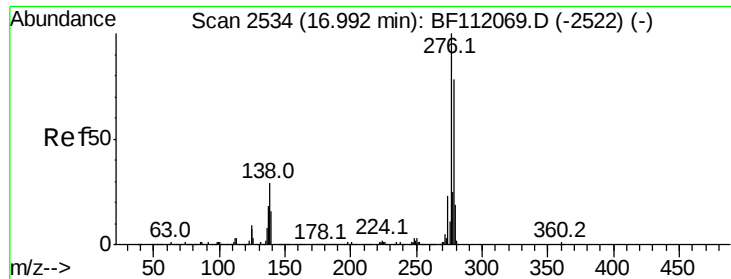
Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

Tgt Ion:	228	Resp:	398015
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.0	37.6
229	23.3	16.6	24.8





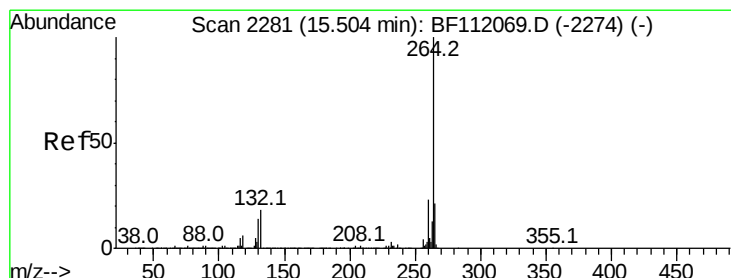
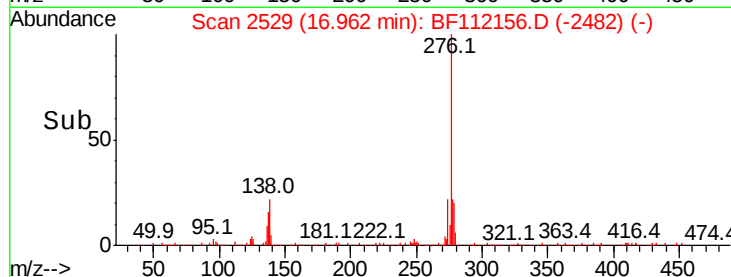
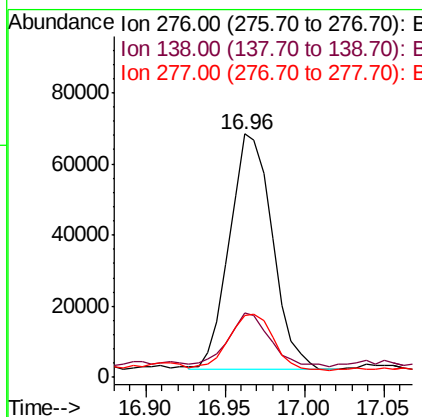
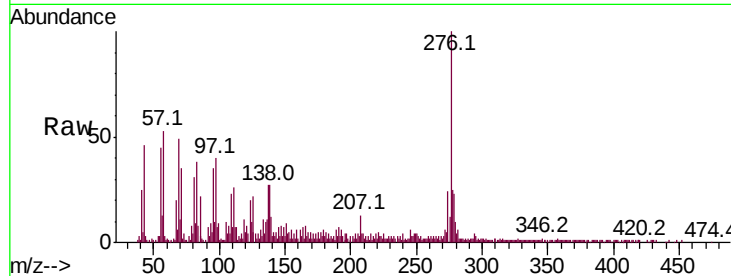
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.148 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.02 min
Lab File: BF112156.D
Acq: 21 Jan 2019 14:05

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	22.6	34.0#
277	24.9	20.3	30.5

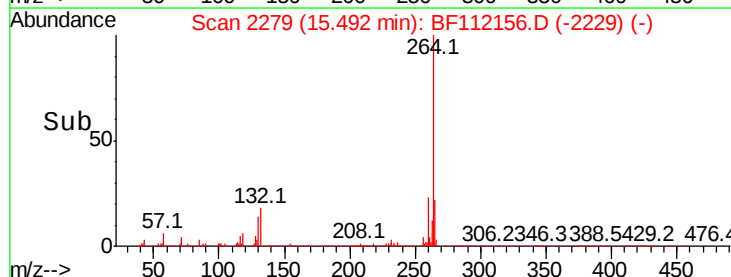
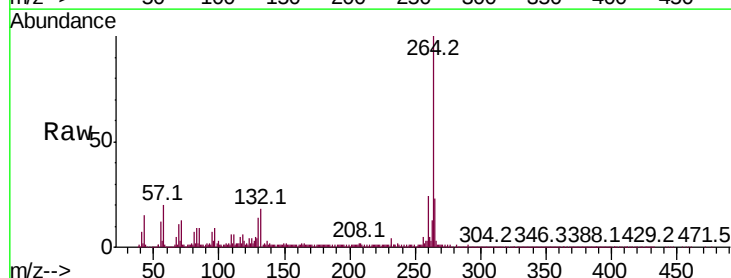
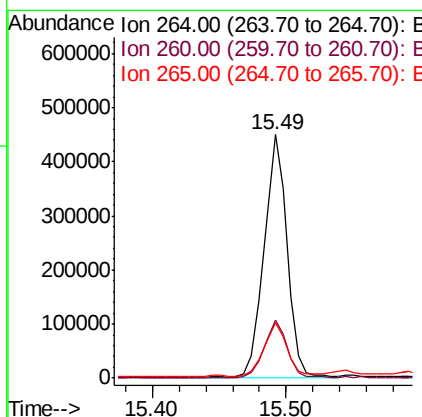
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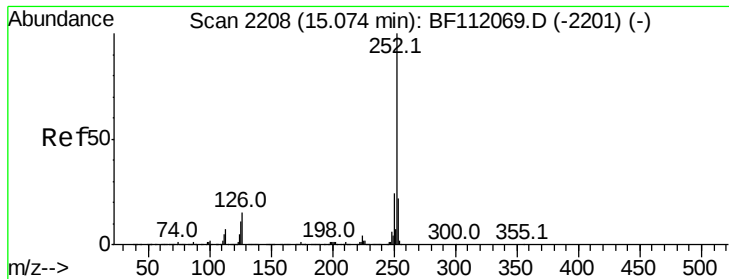
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF112156.D
Acq: 21 Jan 2019 14:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.2
265	22.9	17.0	25.4





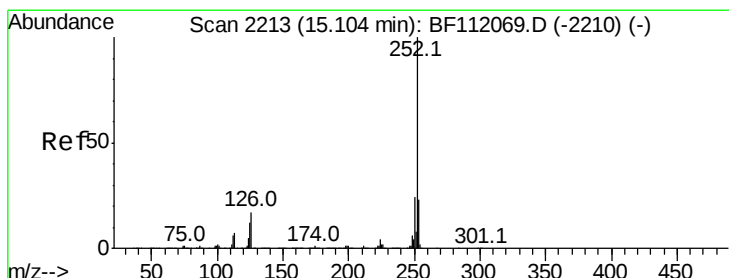
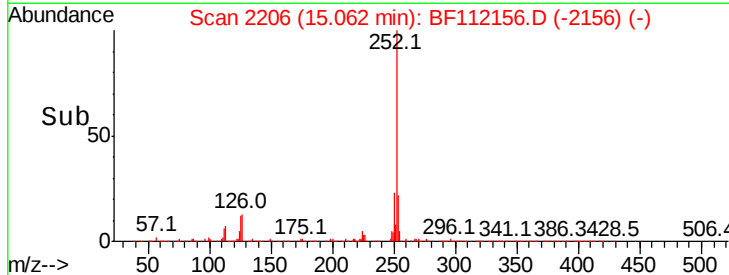
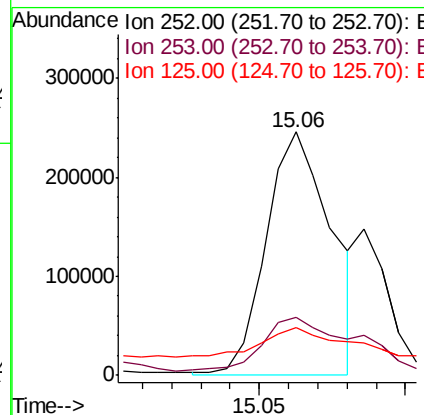
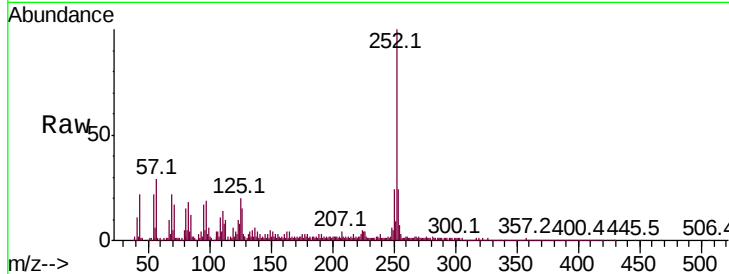
#88
Benzo(b)fluoranthene
Concen: 12.698 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112156.D
Acq: 21 Jan 2019 14:05

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	19.7	8.7	13.1

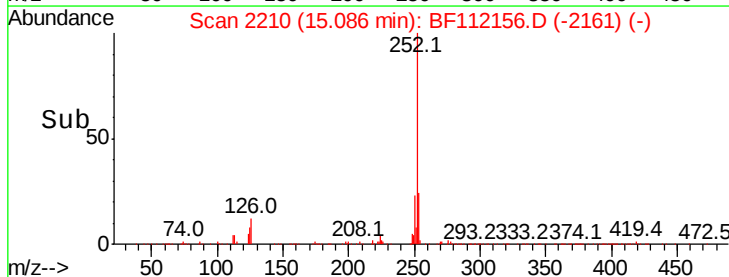
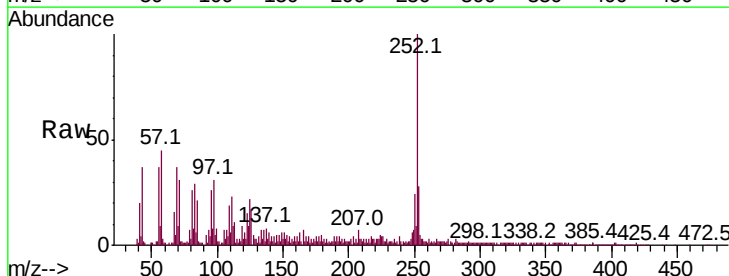
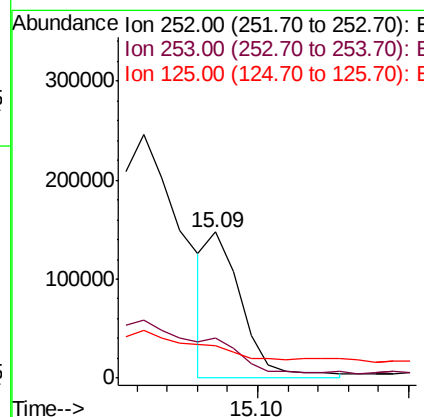
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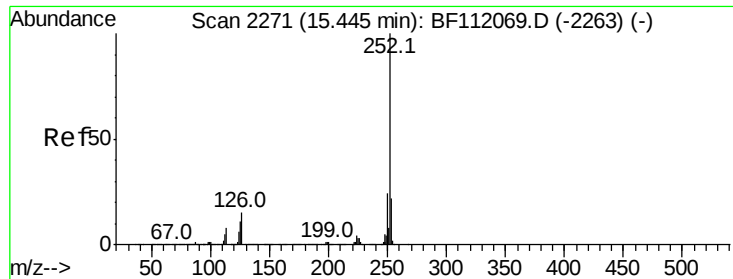
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#89
Benzo(k)fluoranthene
Concen: 4.038 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF112156.D
Acq: 21 Jan 2019 14:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.0	27.0
125	22.5	9.1	13.7





#90

Benzo(a)pyrene

Concen: 10.596 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

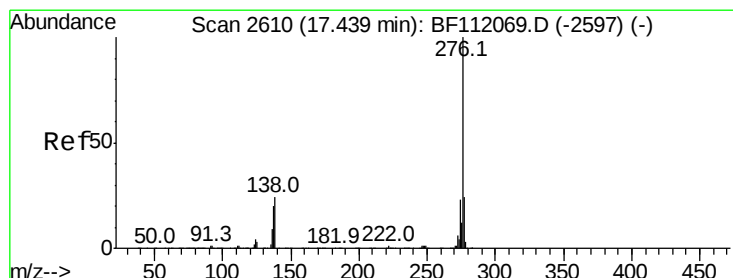
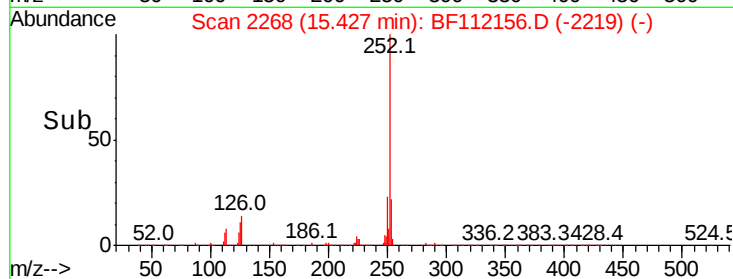
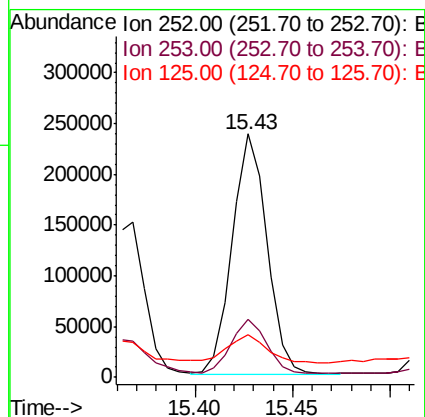
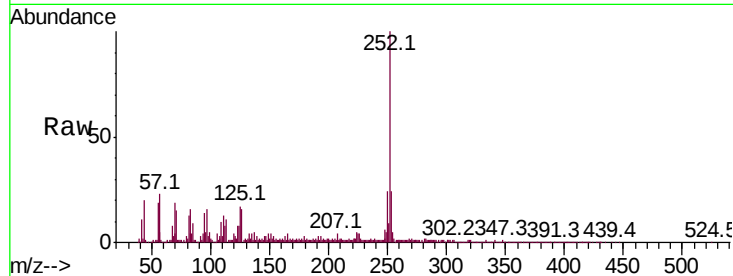
Instrument :
BNA_F

ClientSampleId :
CL-01-011819-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	17.3	9.0	13.4

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 5.041 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.0	19.4	29.0
138	26.8	19.1	28.7

