

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118621.D
 Acq On : 21 Jan 2020 6:40
 Operator : CG/JU
 Sample : L1142-01DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-1DL

Manual Integrations
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Quant Time: Jan 21 07:26:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	481677	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	1744410	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	933537	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	1502389	20.00	ng	0.00
76) Chrysene-d12	14.05	240	993917	20.00	ng	0.00
87) Perylene-d12	15.52	264	1032851	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	549917	21.20	ng	0.00
7) Phenol-d6	6.50	99	759733	22.54	ng	-0.01
23) Nitrobenzene-d5	7.43	82	598742	19.20	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	176928	16.39	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	877734	15.45	ng	0.00
79) Terphenyl-d14	12.99	244	818292	17.96	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.19	128	458342	5.816	ng	98
52) Acenaphthene	9.95	154	211781	4.151	ng	98
55) Dibenzofuran	10.12	168	240356	3.400	ng	96
58) Fluorene	10.47	166	270086	4.866	ng	99
71) Phenanthrene	11.43	178	1978355	27.295	ng	95
72) Anthracene	11.48	178	616904	8.602	ng	93
73) Carbazole	11.63	167	241354	3.669	ng	96
75) Fluoranthene	12.62	202	1719627	22.494	ng	94
78) Pyrene	12.85	202	1476853	21.886	ng	93
81) Benzo(a)anthracene	14.03	228	622364	10.409	ng	96
83) Chrysene	14.07	228	539319m	9.412	ng	
86) Indeno(1,2,3-cd)pyrene	16.99	276	257619	5.174	ng	97
88) Benzo(b)fluoranthene	15.09	252	668600m	10.298	ng	
89) Benzo(k)fluoranthene	15.11	252	188106m	3.127	ng	
90) Benzo(a)pyrene	15.45	252	499000	8.910	ng	99
92) Benzo(g,h,i)perylene	17.43	276	233020	4.845	ng	99

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

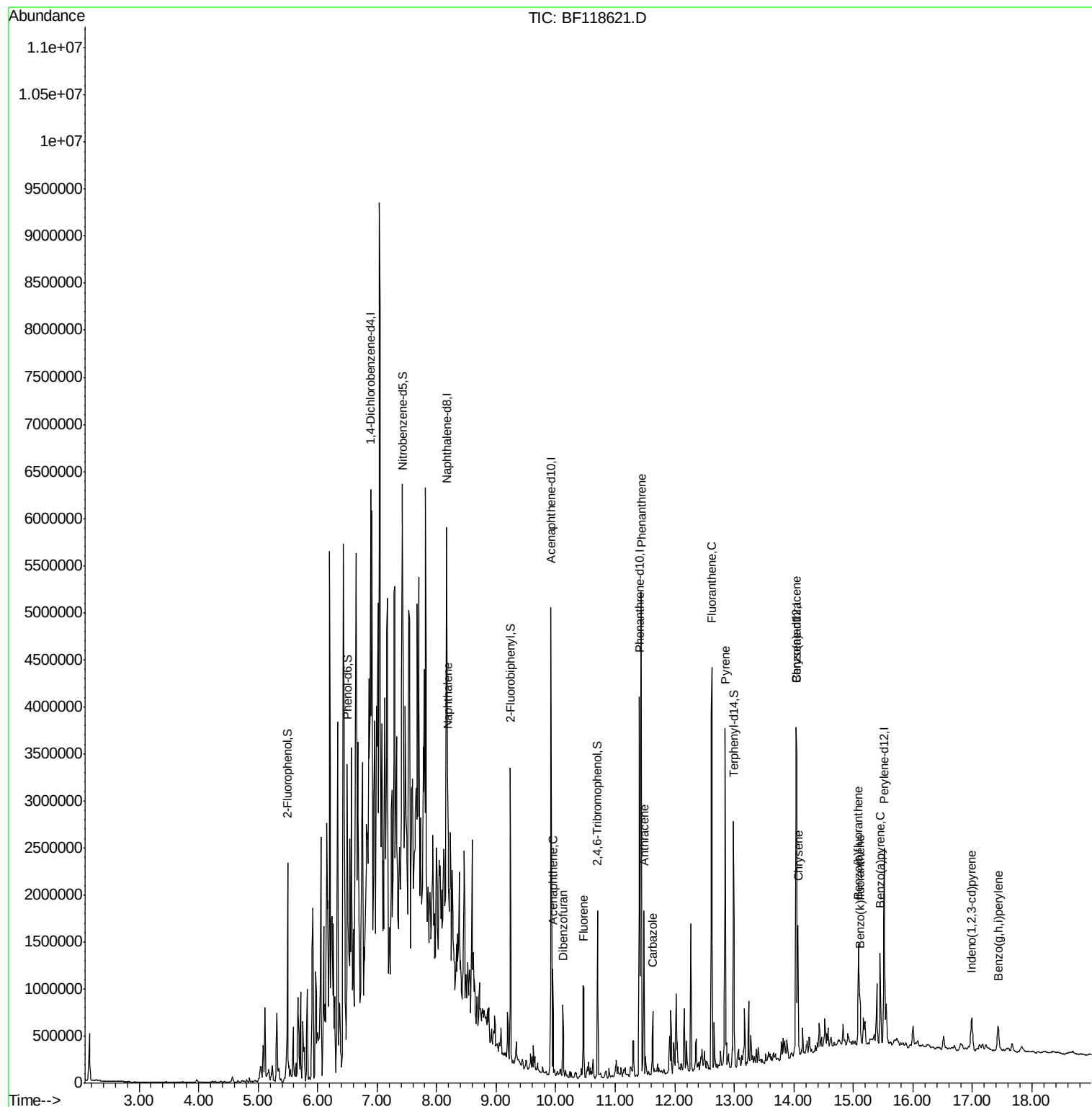
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118621.D
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ALS Vial : 29 Sample Multiplier: 1

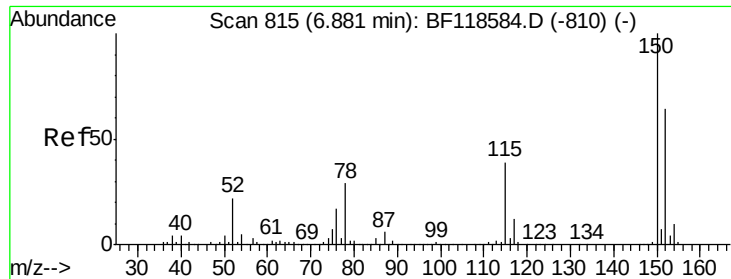
Instrument :
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Quant Time: Jan 21 07:26:35 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

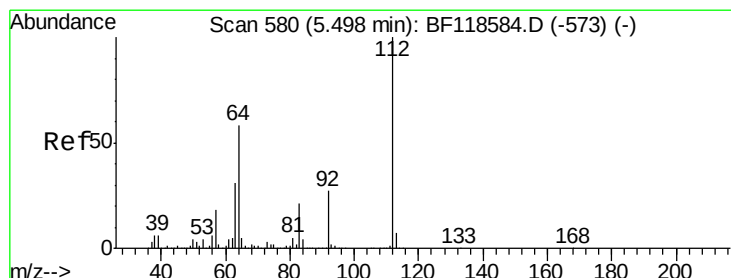
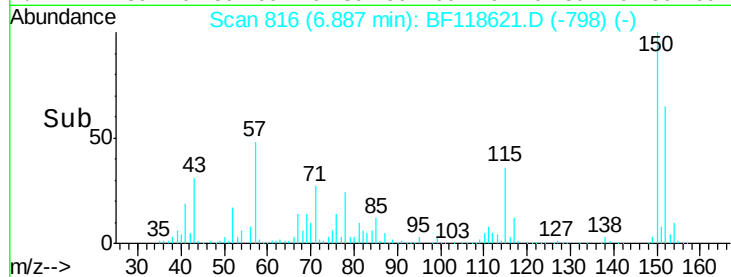
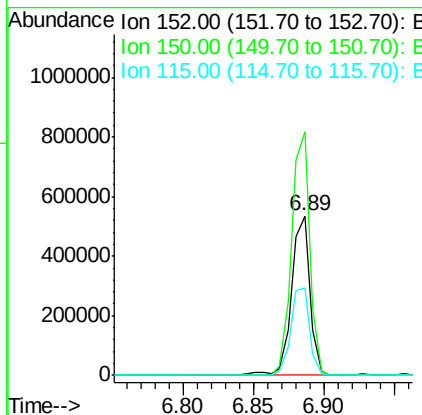
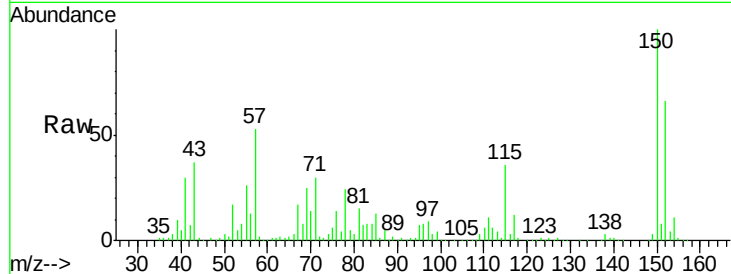
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Instrument :
BNA_F
ClientSampled :
SS-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	125.6	188.4
115	54.6	48.4	72.6

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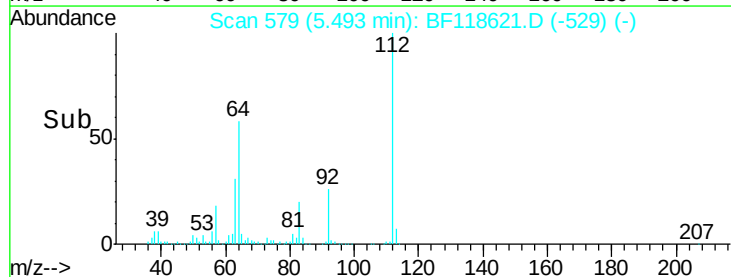
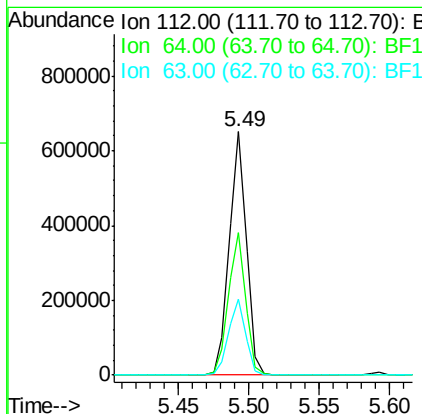
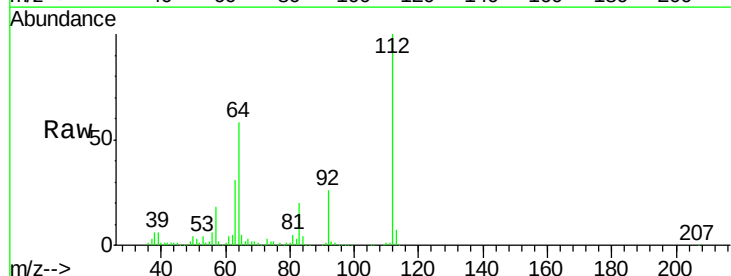
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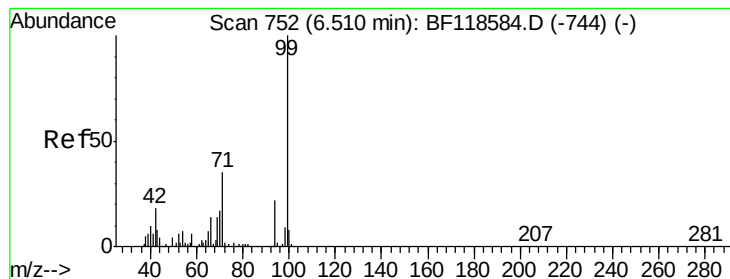


#5

2-Fluorophenol
Concen: 21.204 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.6	70.0
63	31.3	25.1	37.7





#7

Phenol-d6

Concen: 22.538 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF118621.D

Acq: 21 Jan 2020 6:40

Instrument :

BNA_F

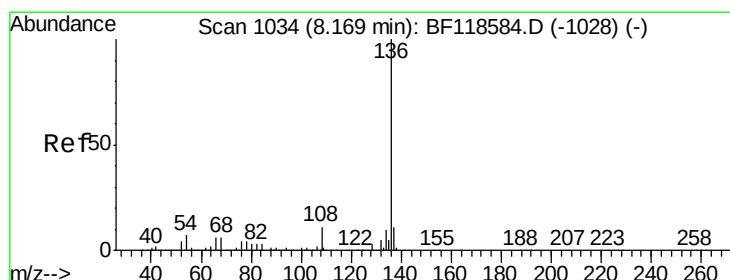
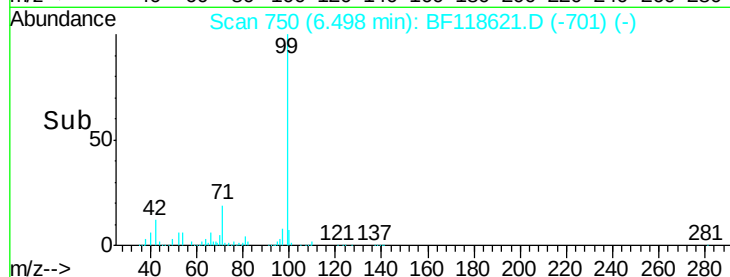
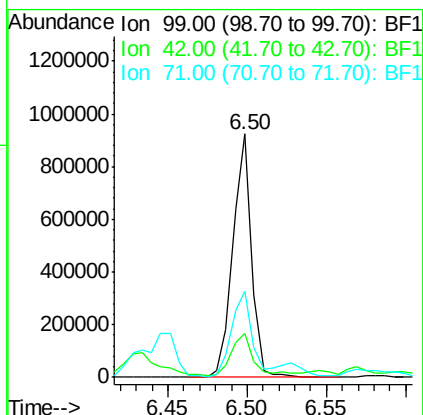
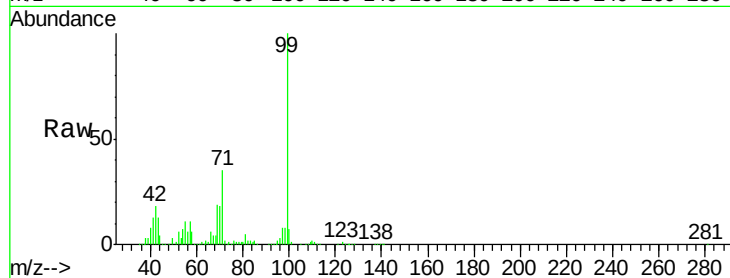
ClientSampleId :

SS-1DL

Tot Ion:	99	Resp:	759733
Ion Ratio	Lower	Upper	
99	100		
42	18.2	14.2	21.2
71	35.2	27.8	41.6

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#21

Naphthalene-d8

Concen: 20.000 ng

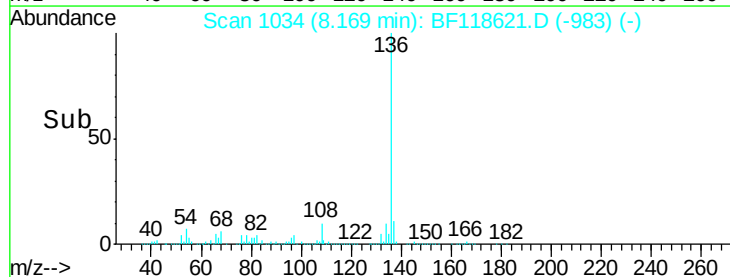
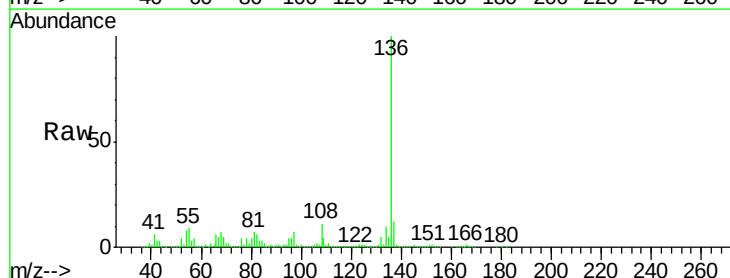
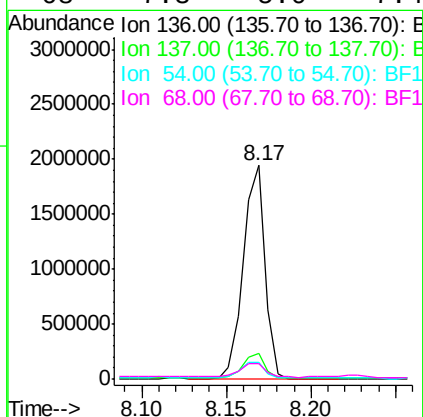
RT: 8.17 min Scan# 1034

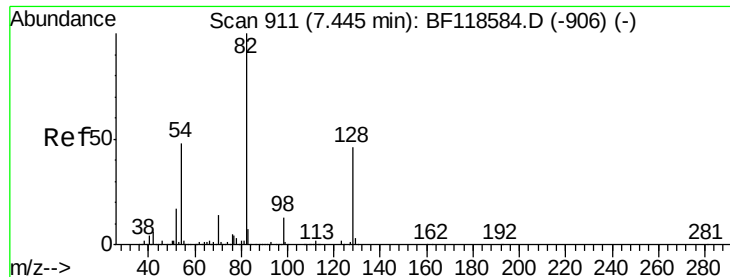
Delta R.T. 0.00 min

Lab File: BF118621.D

Acq: 21 Jan 2020 6:40

Tgt Ion:	136	Resp:	1744410
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.1	13.7
54	7.5	5.8	8.6
68	7.3	5.0	7.4





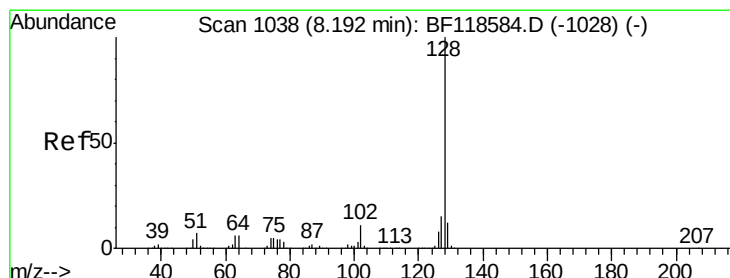
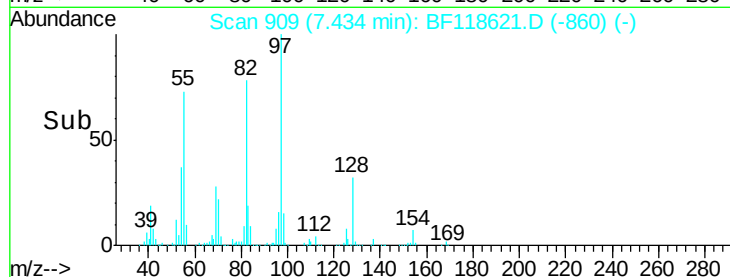
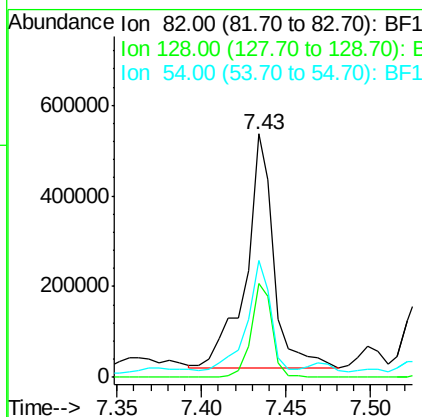
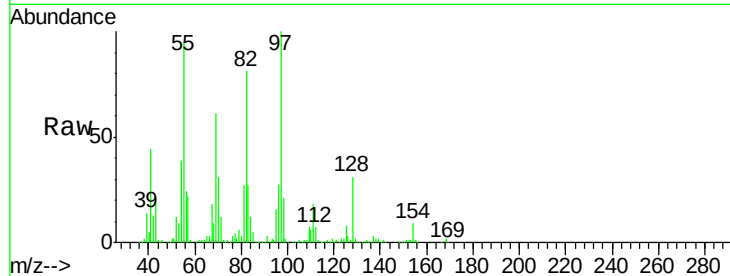
#23
Nitrobenzene-d5
Concen: 19.198 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Instrument :
BNA_F
ClientSampled :
SS-1DL

Tot Ion	82	Resp	598742
Ion Ratio	Lower	Upper	
82	100		
128	38.3	36.6	54.8
54	48.0	38.0	57.0

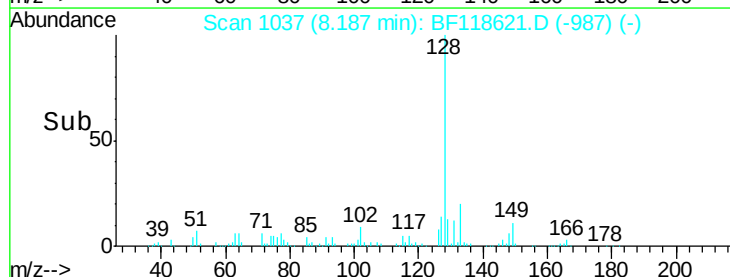
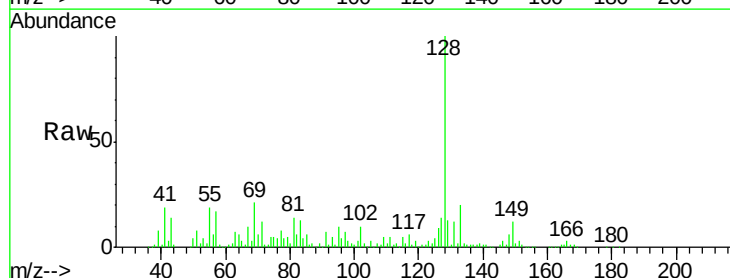
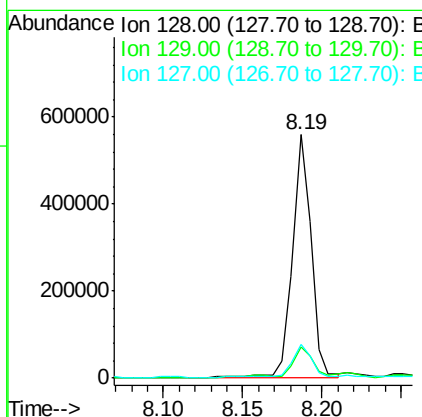
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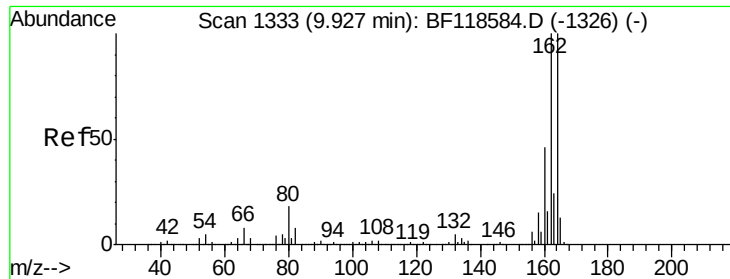
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#31
Naphthalene
Concen: 5.816 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Tgt Ion	128	Resp	458342
Ion Ratio	Lower	Upper	
128	100		
129	12.8	9.9	14.9
127	14.1	12.0	18.0





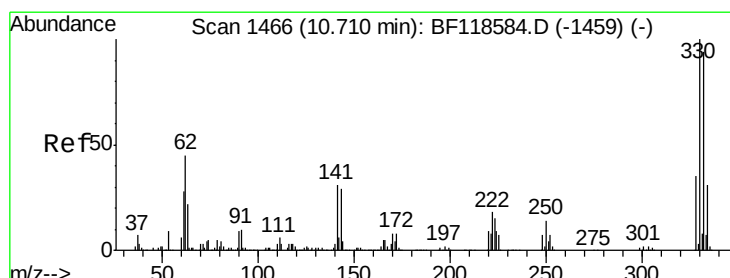
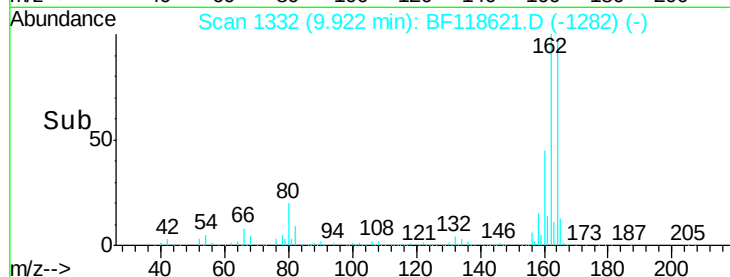
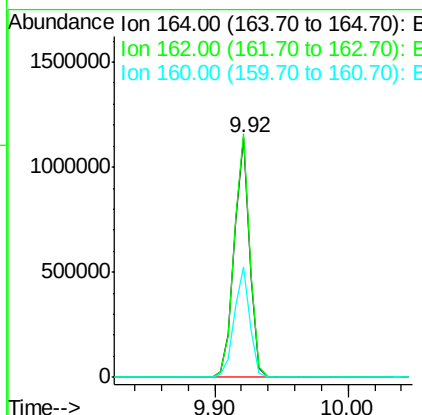
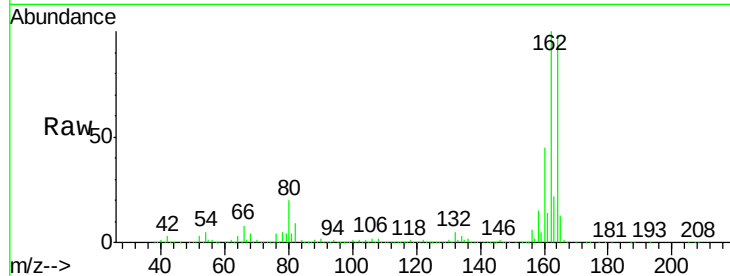
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Instrument :
BNA_F
ClientSampleId :
SS-1DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.8	80.4	120.6	
160	46.2	36.6	55.0	

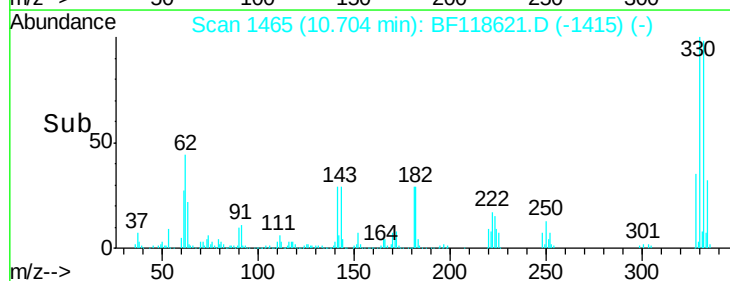
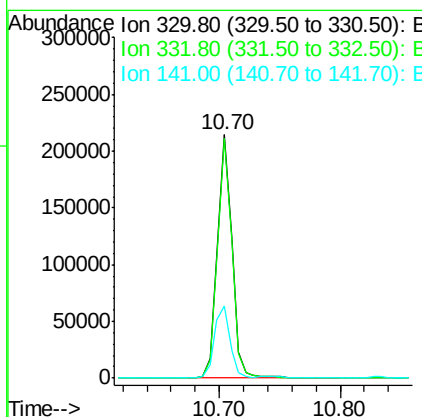
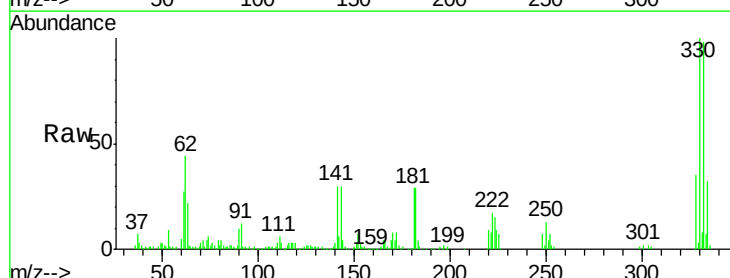
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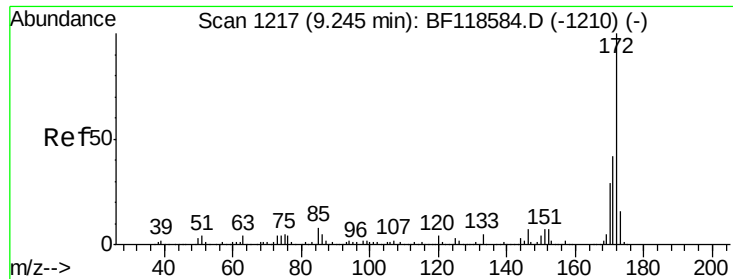
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#42
2,4,6-Tribromophenol
Concen: 16.386 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3	76.2	114.4	
141	32.7	23.9	35.9	





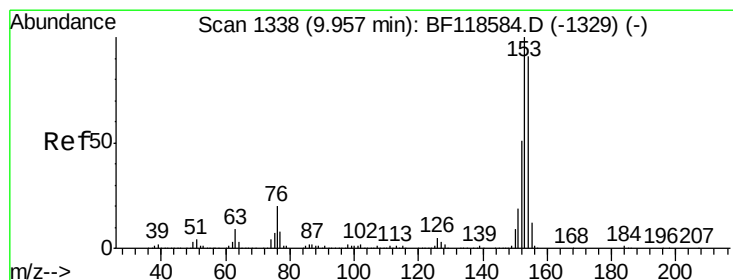
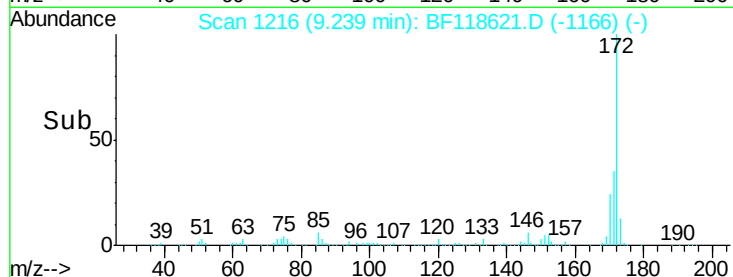
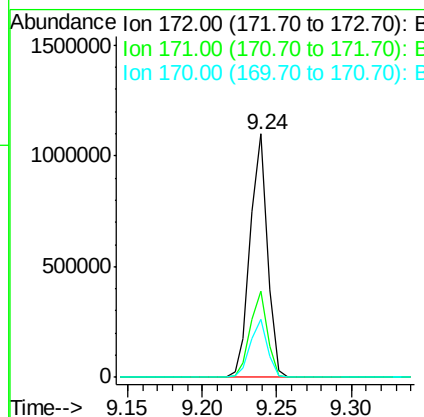
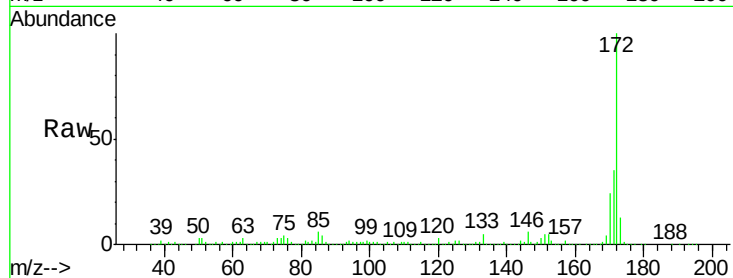
#45
2-Fluorobiphenyl
Concen: 15.454 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Instrument :
BNA_F
ClientSampled :
SS-1DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	33.4	50.2
170	23.7	23.2	34.8

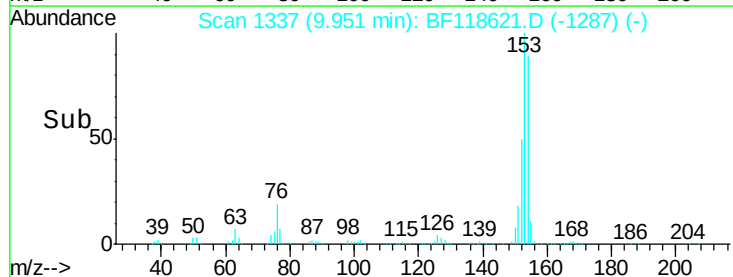
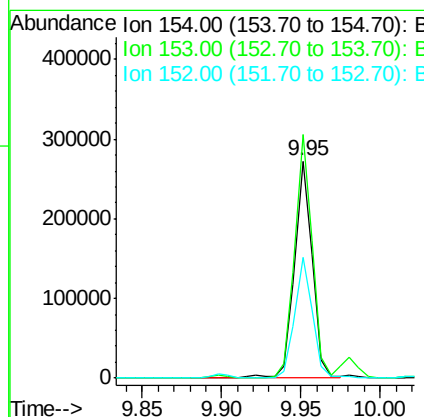
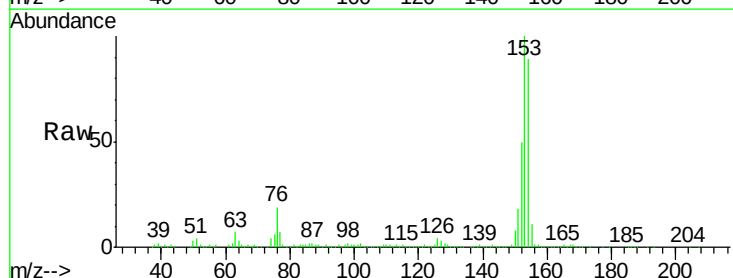
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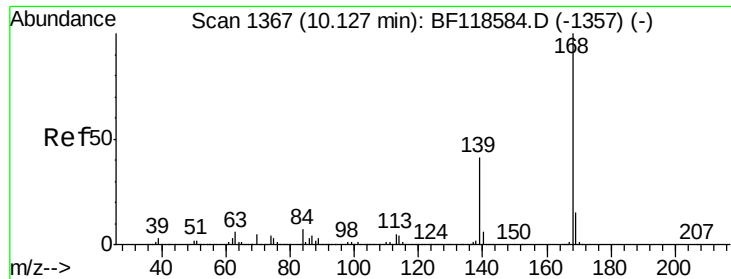
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#52
Acenaphthene
Concen: 4.151 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.2	87.6	131.4
152	55.7	44.4	66.6





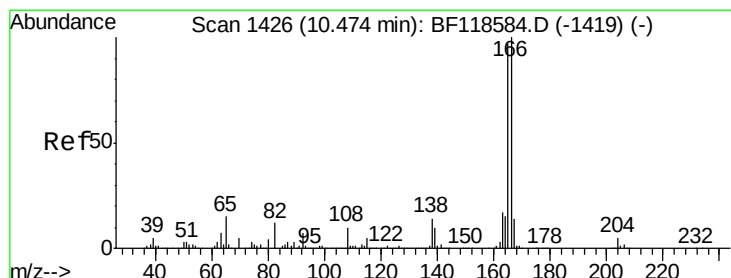
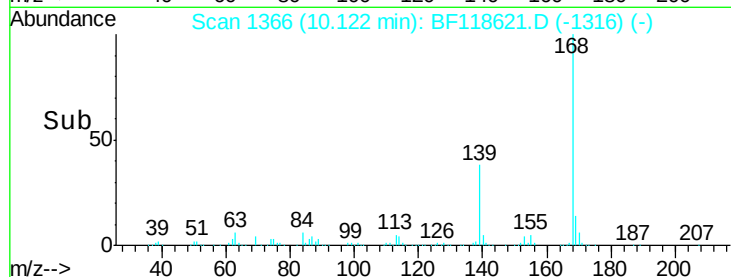
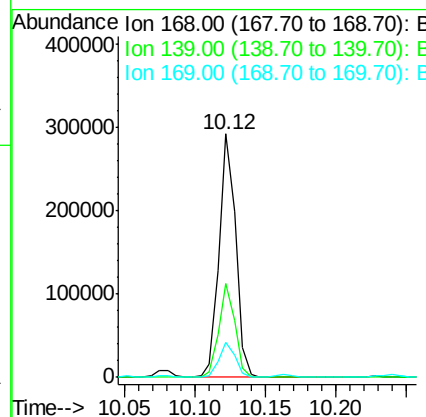
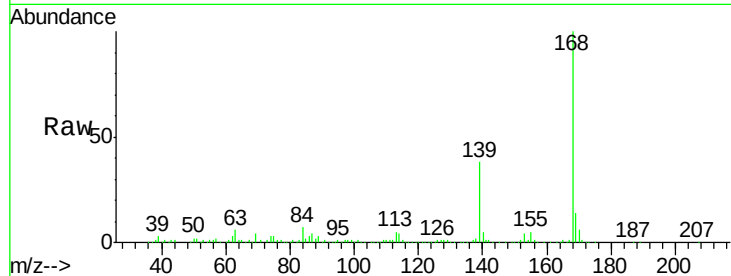
#55
Dibenzofuran
Concen: 3.400 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Instrument :
BNA_F
ClientSampleId :
SS-1DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.4	32.7	49.1
169	14.3	12.2	18.2

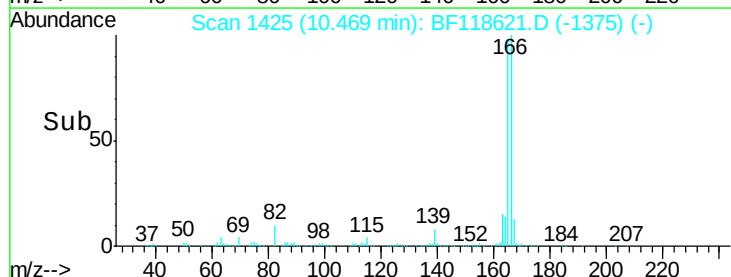
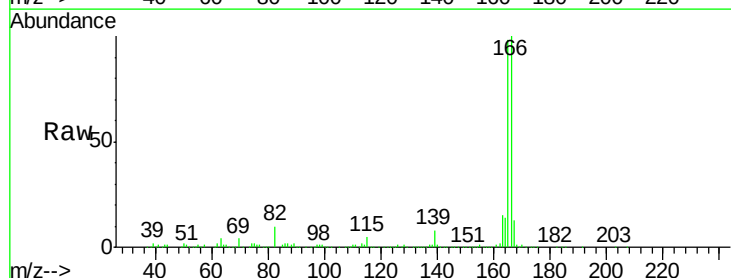
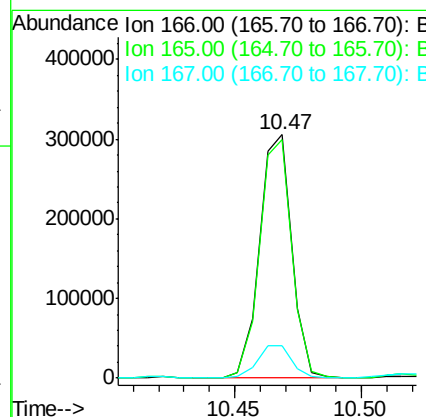
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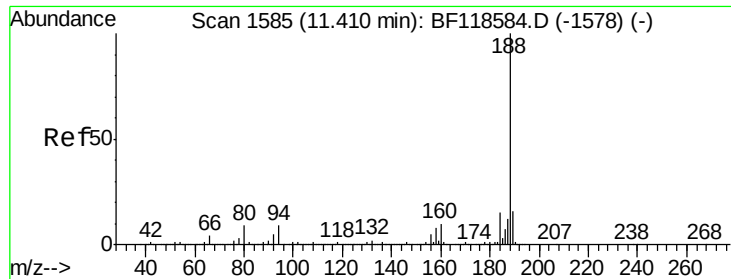
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#58
Fluorene
Concen: 4.866 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.3	115.9
167	13.3	11.5	17.3





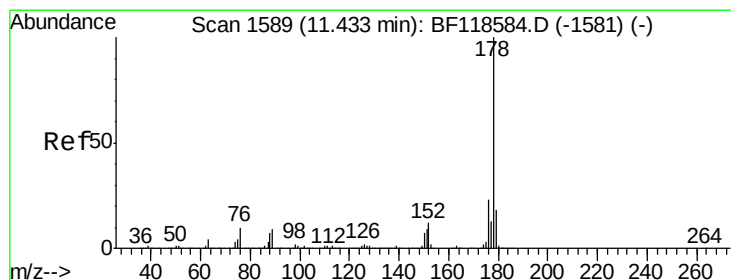
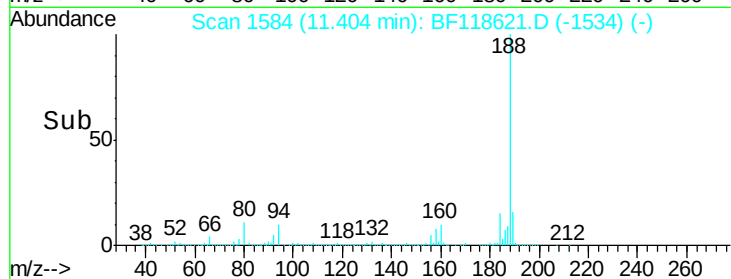
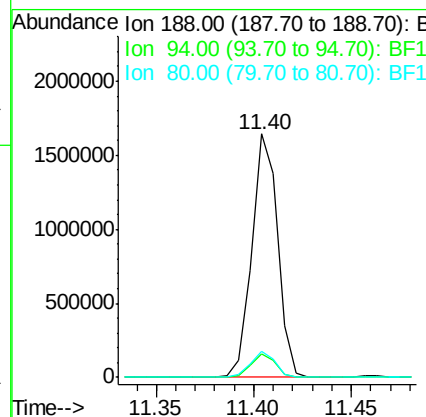
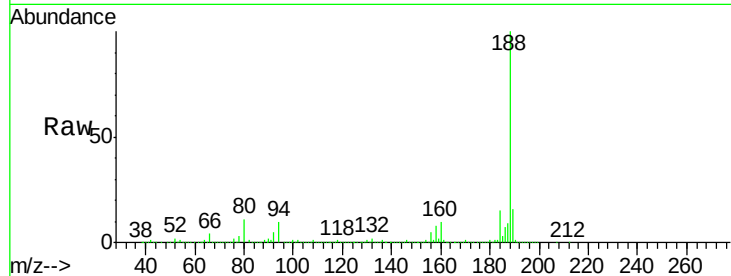
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Instrument :
BNA_F
ClientSampleId :
SS-1DL

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.1	10.7
80	10.7	7.5	11.3

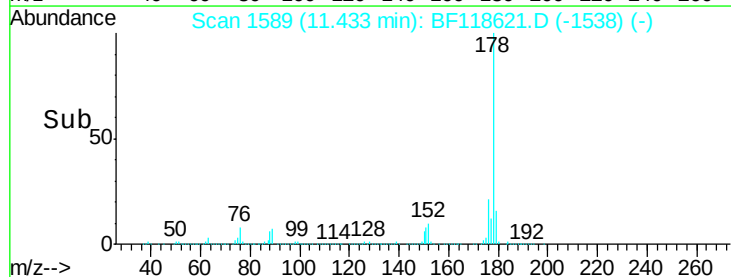
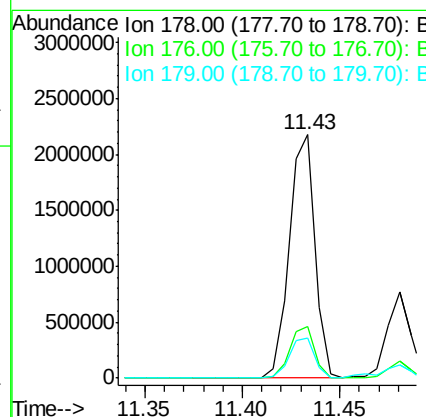
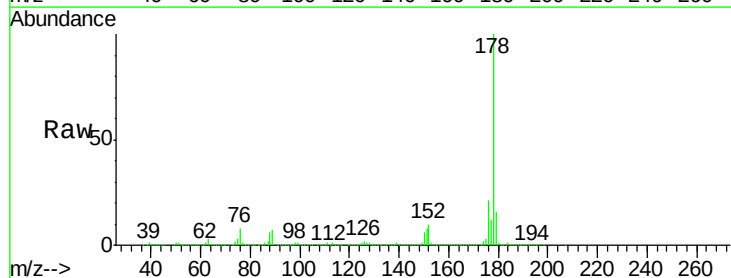
Manual Integrations
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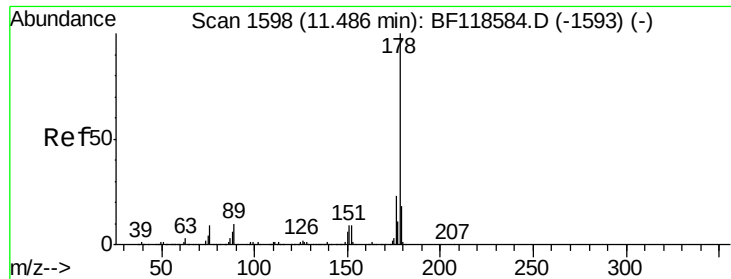
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#71
Phenanthrene
Concen: 27.295 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.9	18.6	27.8
179	16.3	14.7	22.1





#72

Anthracene

Concen: 8.602 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF118621.D

Acq: 21 Jan 2020 6:40

Instrument :

BNA_F

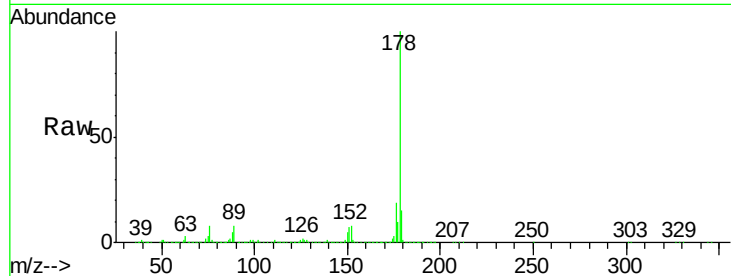
ClientSampleId :

SS-1DL

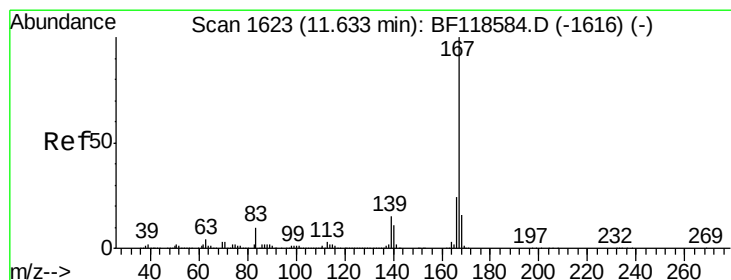
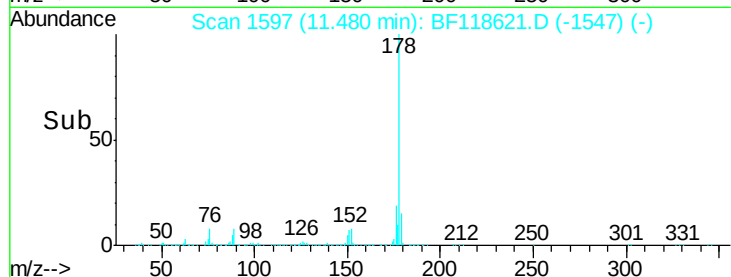
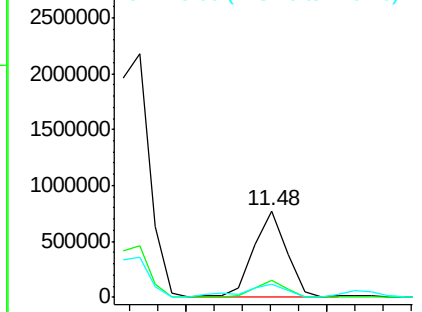
Tot Ion:	178	Resp:	616904
Ion Ratio	Lower	Upper	
178	100		
176	19.2	18.0	27.0
179	15.4	14.7	22.1

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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



#73

Carbazole

Concen: 3.669 ng

RT: 11.63 min Scan# 1622

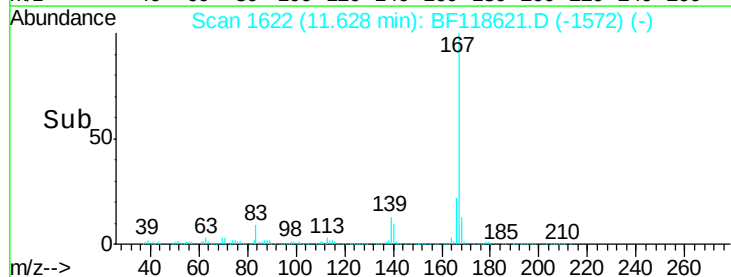
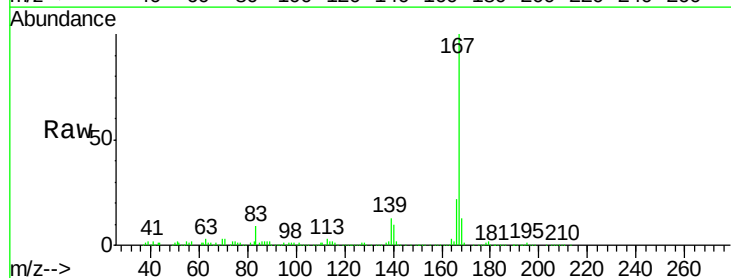
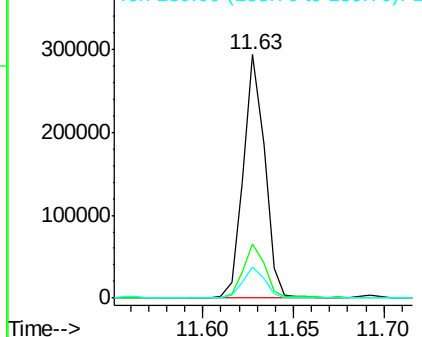
Delta R.T. -0.01 min

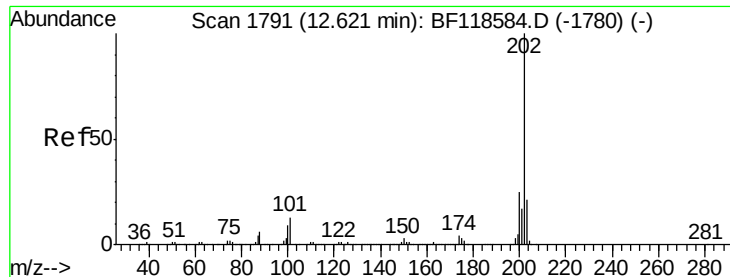
Lab File: BF118621.D

Acq: 21 Jan 2020 6:40

Tgt Ion:	167	Resp:	241354
Ion Ratio	Lower	Upper	
167	100		
166	22.1	19.4	29.2
139	13.0	11.7	17.5

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 22.494 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF118621.D

Acq: 21 Jan 2020 6:40

Instrument :

BNA_F

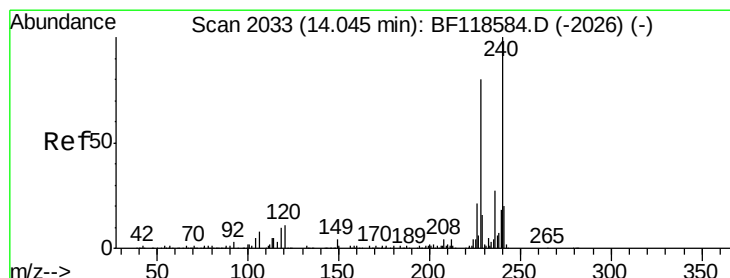
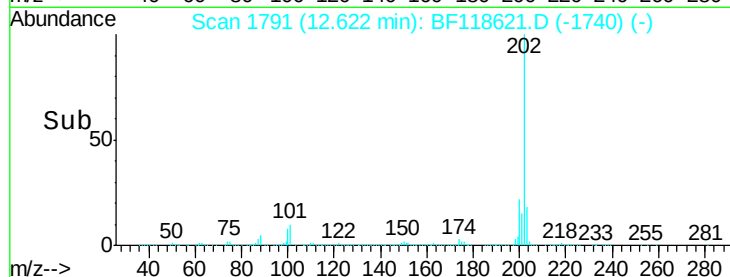
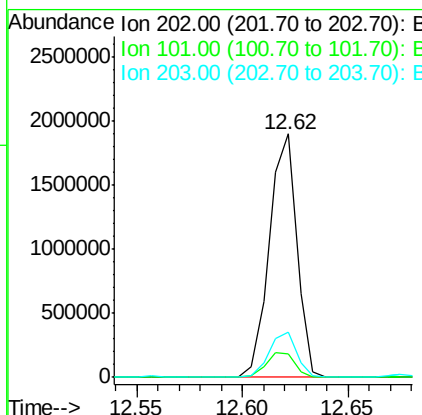
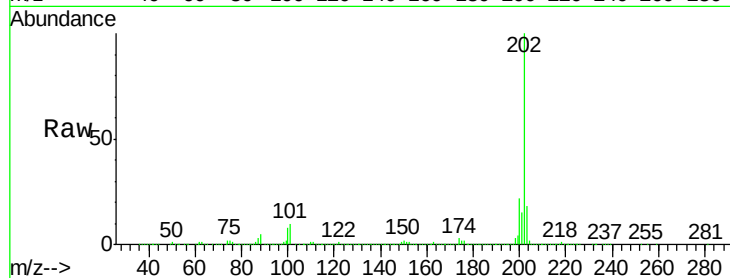
ClientSampleId :

SS-1DL

Tot Ion:	202	Resp:	1719627
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	32.5
203	18.4	0.8	40.8

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#76

Chrysene-d12

Concen: 20.000 ng

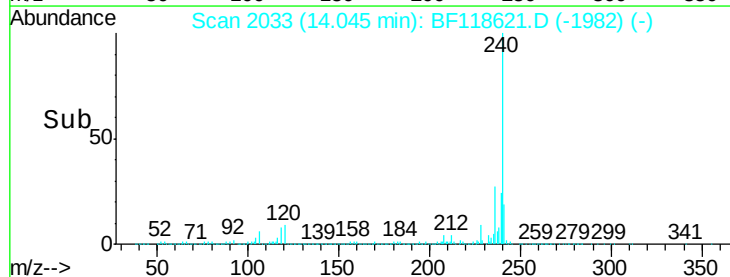
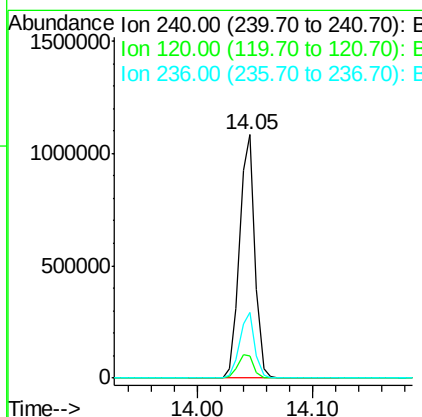
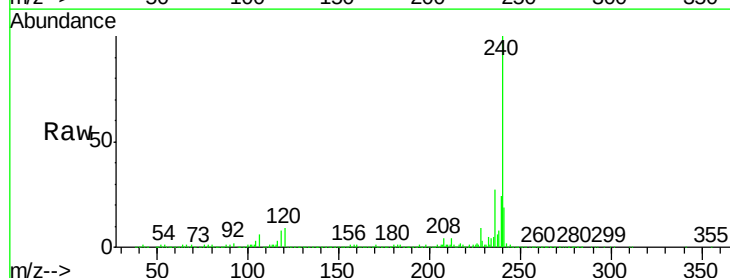
RT: 14.05 min Scan# 2033

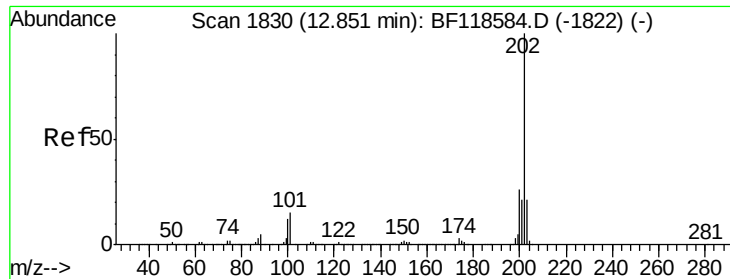
Delta R.T. 0.00 min

Lab File: BF118621.D

Acq: 21 Jan 2020 6:40

Tgt Ion:	240	Resp:	993917
Ion	Ratio	Lower	Upper
240	100		
120	8.9	8.9	13.3
236	26.9	21.5	32.3





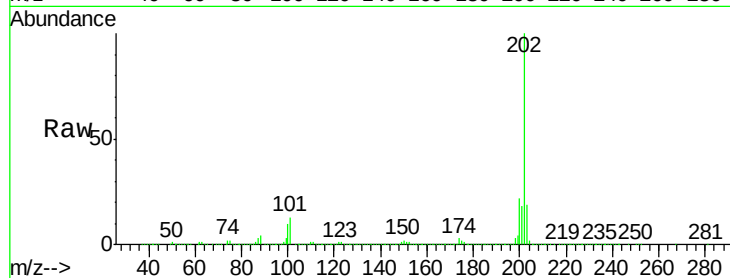
#78
Pvrene
Concen: 21.886 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Instrument :
BNA_F
ClientSampleId :
SS-1DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	20.6	31.0
203	18.7	16.8	25.2

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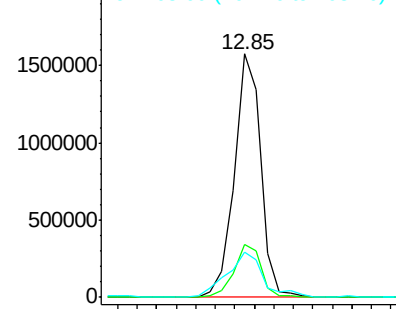


Abundance

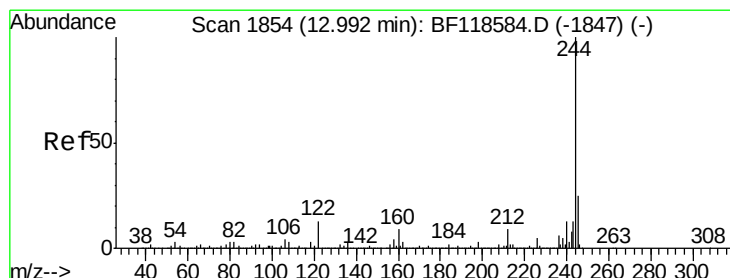
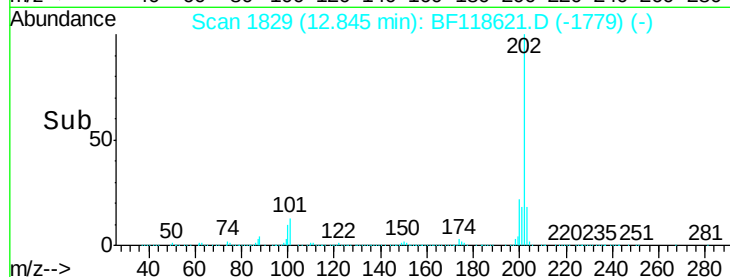
Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

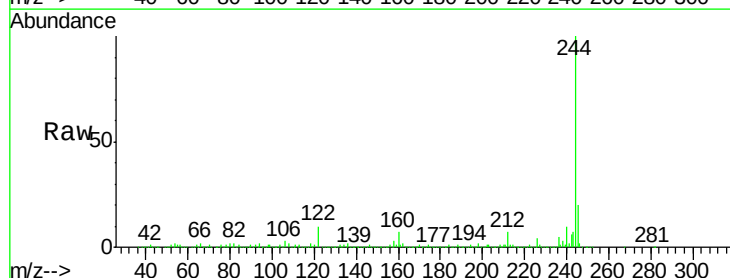


Time-->



#79
Terphenyl-d14
Concen: 17.957 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	7.0	10.4#
122	9.8	10.7	16.1#

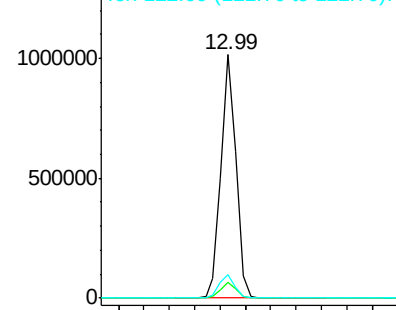


Abundance

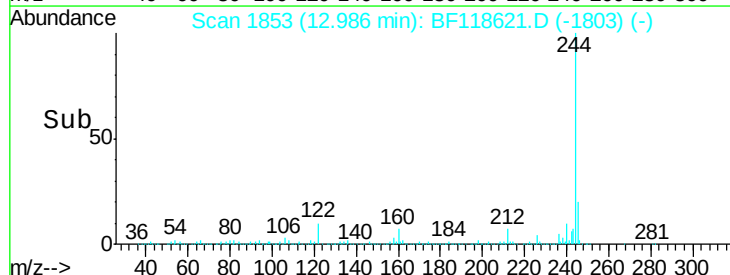
Ion 244.00 (243.70 to 244.70): E

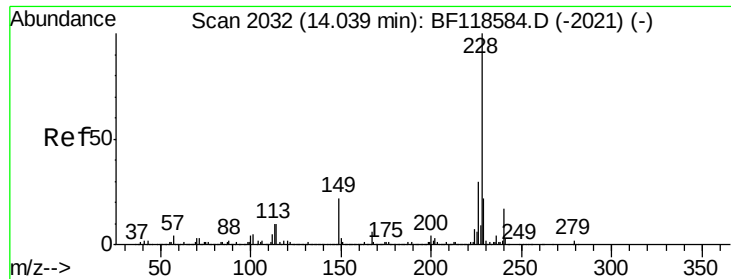
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





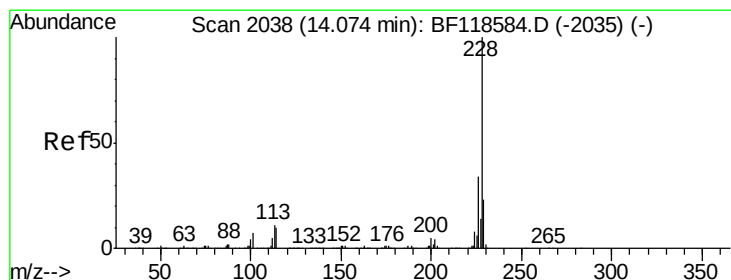
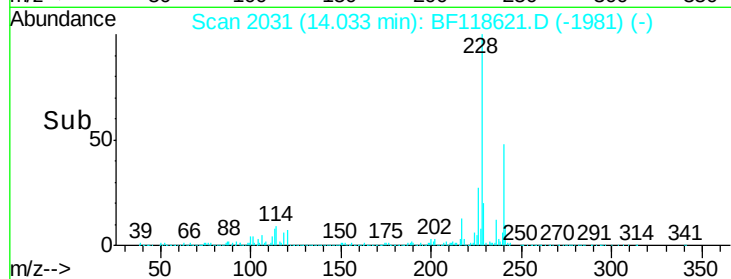
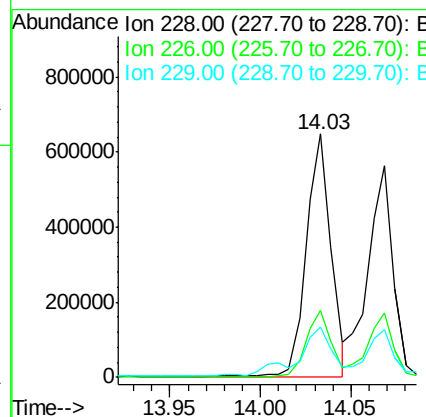
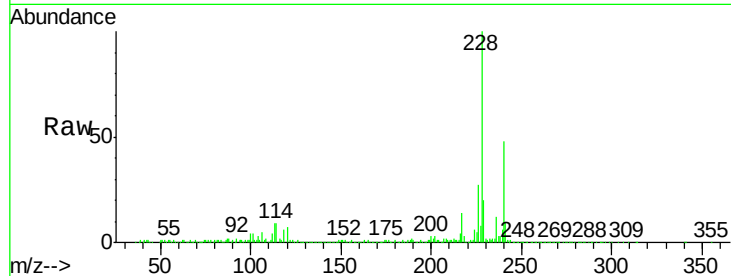
#81
Benzo(a)anthracene
Concen: 10.409 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Instrument :
BNA_F
ClientSampled :
SS-1DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	24.1	36.1
229	20.4	17.6	26.4

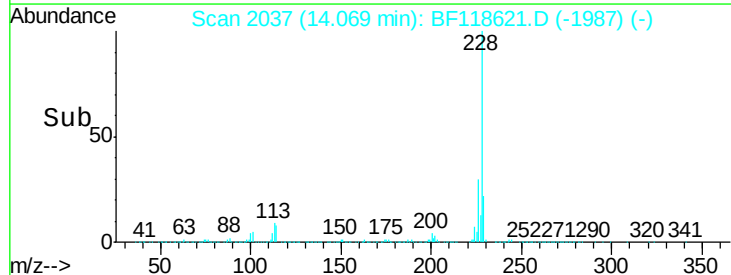
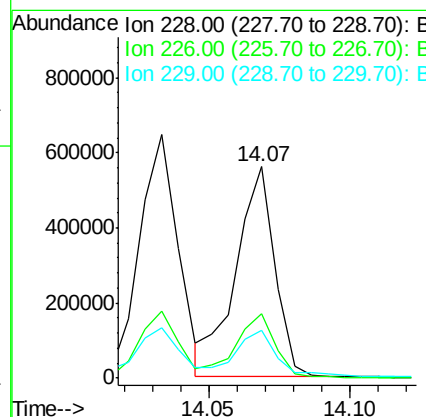
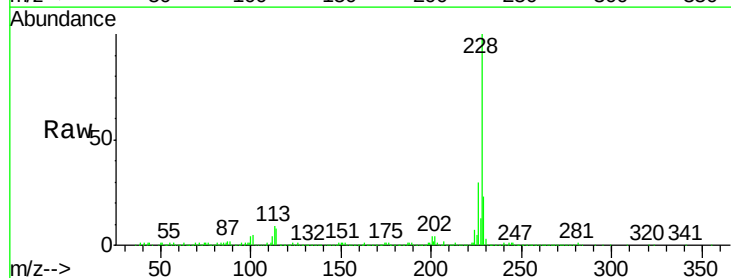
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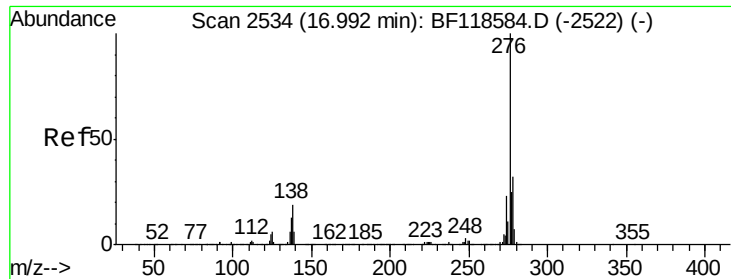
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#83
Chrysene
Concen: 9.412 ng m
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	27.4	41.0
229	22.5	18.3	27.5





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.174 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF118621.D

Acq: 21 Jan 2020 6:40

Instrument :

BNA_F

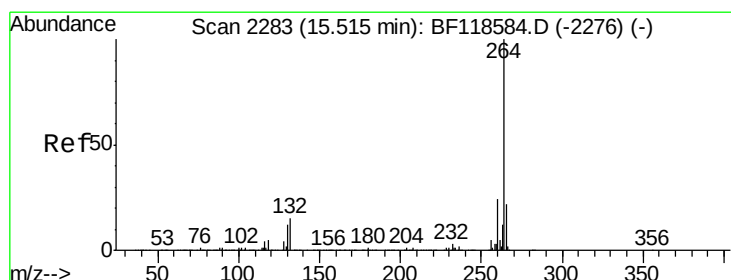
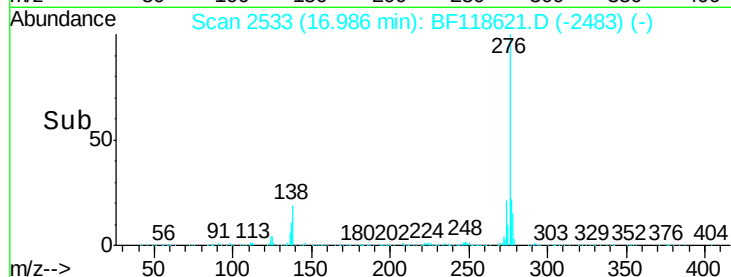
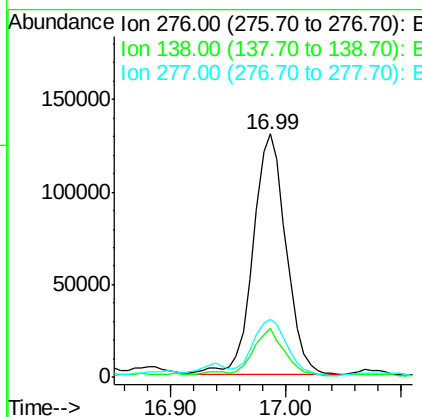
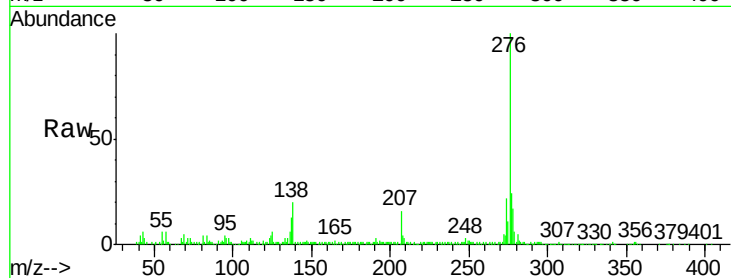
ClientSampleId :

SS-1DL

Tot Ion:	276	Resp:	257619
Ion Ratio		Lower	Upper
276	100		
138	20.1	17.2	25.8
277	24.2	20.5	30.7

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#87

Perylene-d12

Concen: 20.000 ng

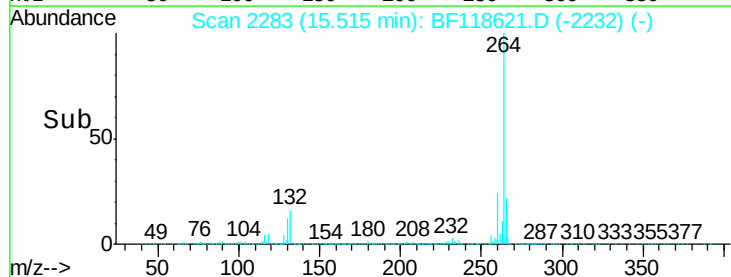
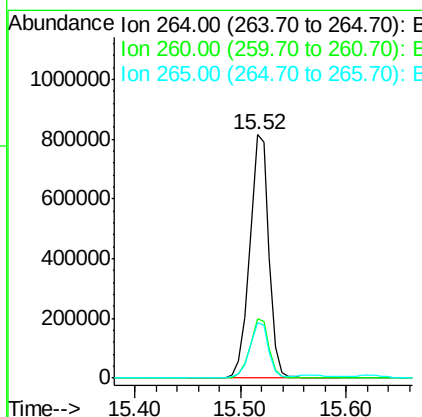
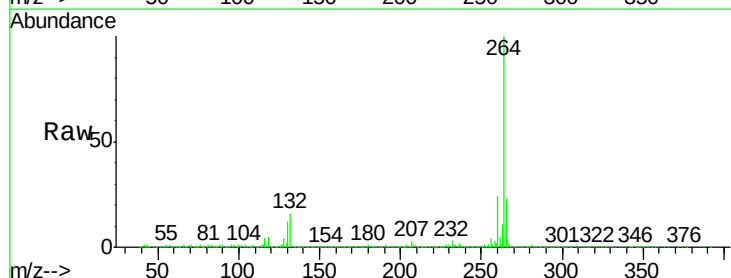
RT: 15.52 min Scan# 2283

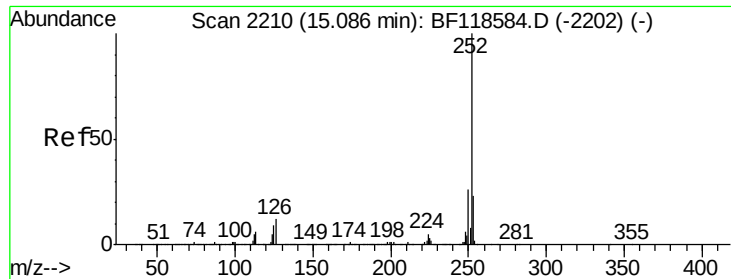
Delta R.T. 0.00 min

Lab File: BF118621.D

Acq: 21 Jan 2020 6:40

Tgt Ion:	264	Resp:	1032851
Ion Ratio		Lower	Upper
264	100		
260	24.2	19.6	29.4
265	22.6	17.7	26.5





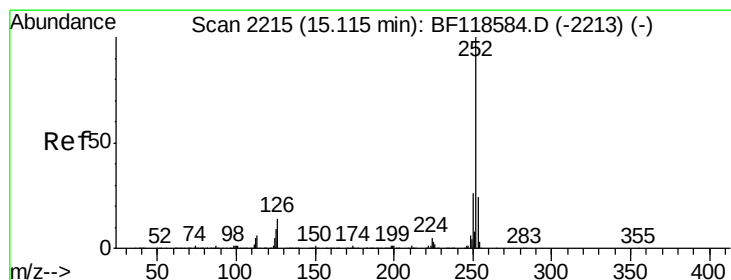
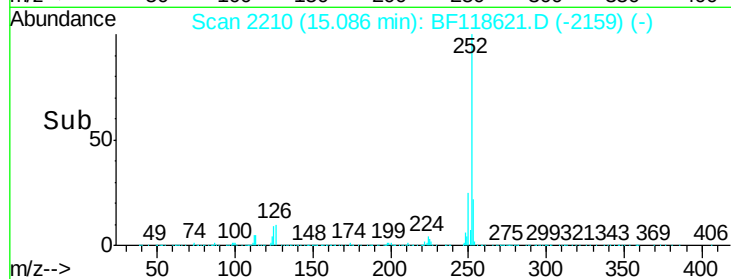
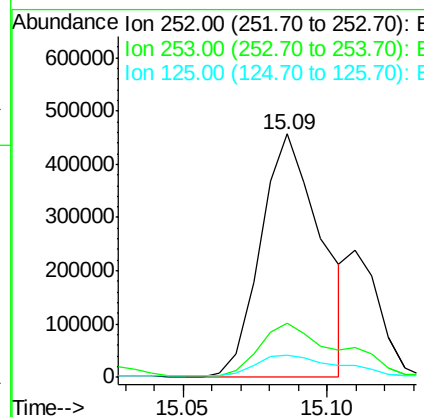
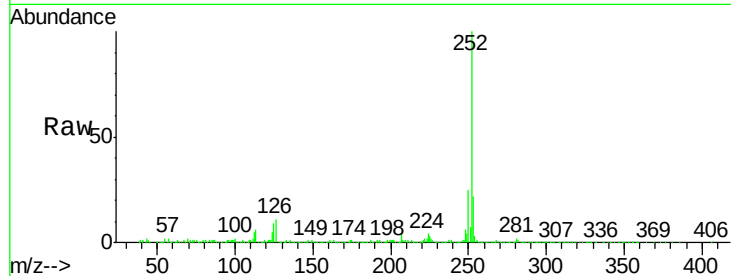
#88
Benzo(b)fluoranthene
Concen: 10.298 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.00 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Instrument :
BNA_F
ClientSampleId :
SS-1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.7	28.1
125	9.2	7.3	10.9

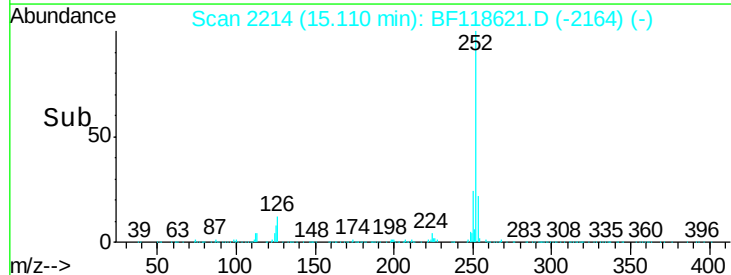
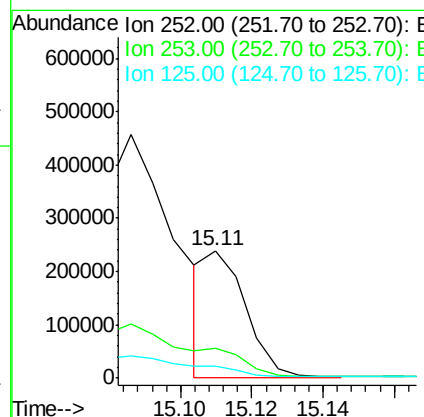
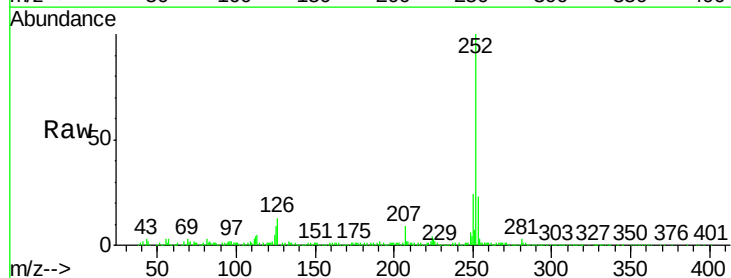
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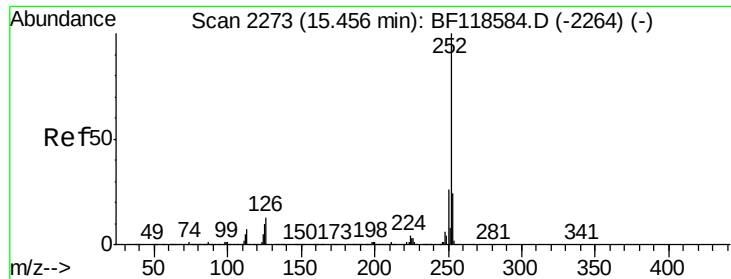
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#89
Benzo(k)fluoranthene
Concen: 3.127 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.0	28.4
125	9.2	7.6	11.4





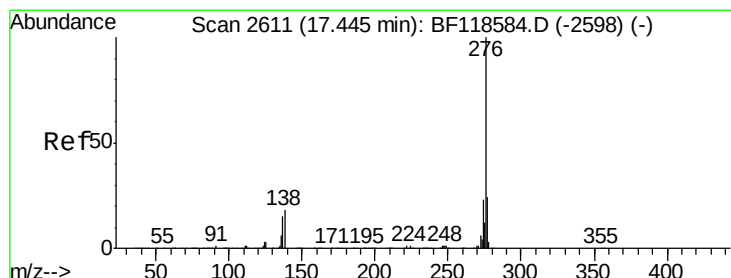
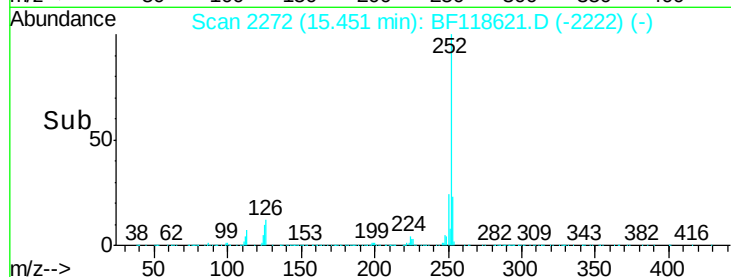
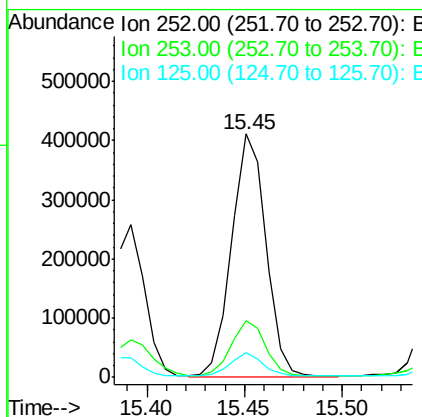
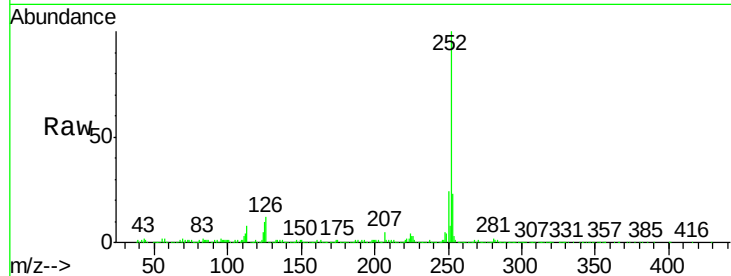
#90
Benzo(a)pyrene
Concen: 8.910 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Instrument :
BNA_F
ClientSampled :
SS-1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.8	28.2
125	10.3	7.8	11.6

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#92
Benzo(g,h,i)perylene
Concen: 4.845 ng
RT: 17.43 min Scan# 2609
Delta R.T. -0.01 min
Lab File: BF118621.D
Acq: 21 Jan 2020 6:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.9	28.3
138	18.4	14.4	21.6

