

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072619\
 Data File : BF115812.D
 Acq On : 27 Jul 2019 2:46
 Operator : HP/JU
 Sample : K3626-11 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-B

Quant Time: Jul 27 03:35:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 25 13:16:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	145798	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	504891	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	262946	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	398046	20.00	ng	0.00
76) Chrysene-d12	14.03	240	369971	20.00	ng	0.00
87) Perylene-d12	15.50	264	365884	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	136121	15.27	ng	0.00
7) Phenol-d6	6.50	99	183828	16.25	ng	0.00
23) Nitrobenzene-d5	7.43	82	105501	12.15	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	32792	10.68	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	207427	13.81	ng	-0.01
79) Terphenyl-d14	12.97	244	197003	9.83	ng	-0.01

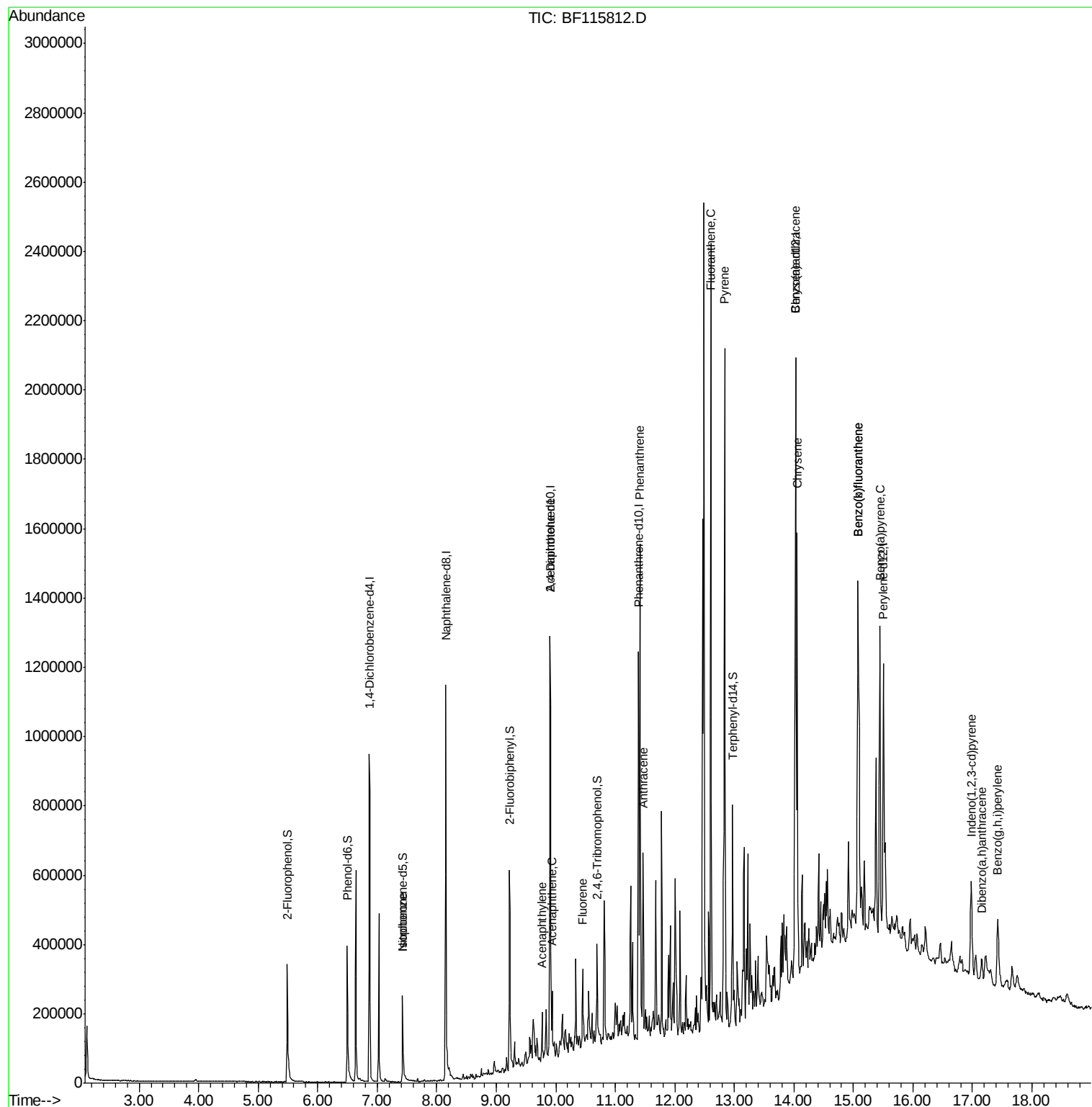
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.43	82	105500	6.072	ng	# 65
49) Acenaphthylene	9.77	152	60176	2.373	ng	97
52) Acenaphthene	9.94	154	33001	2.015	ng	95
57) 2,4-Dinitrotoluene	9.90	165	38360	6.586	ng	# 25
58) Fluorene	10.45	166	67999	4.090	ng	99
71) Phenanthrene	11.42	178	505623	24.781	ng	99
72) Anthracene	11.47	178	210354	9.976	ng	98
75) Fluoranthene	12.61	202	943735	43.770	ng	99
78) Pyrene	12.84	202	869350	27.735	ng	99
81) Benzo(a)anthracene	14.02	228	566657	23.249	ng	97
83) Chrysene	14.06	228	462193	18.890	ng	97
86) Indeno(1,2,3-cd)pyrene	16.98	276	184074	8.855	ng	96
88) Benzo(b)fluoranthene	15.07	252	771676	32.754	ng	97
89) Benzo(k)fluoranthene	15.07	252	771676	36.738	ng	98
90) Benzo(a)pyrene	15.44	252	413945	20.442	ng	97
91) Dibenzo(a,h)anthracene	17.16	278	43297	2.436	ng	93
92) Benzo(g,h,i)perylene	17.43	276	174869	9.863	ng	98

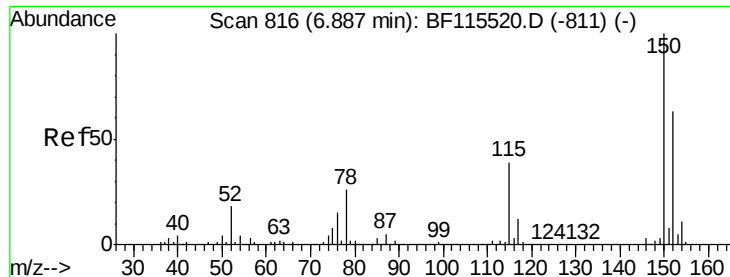
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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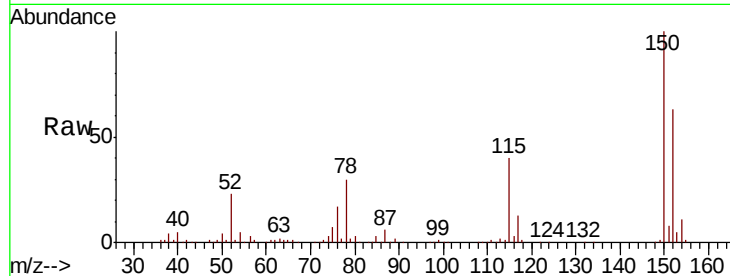




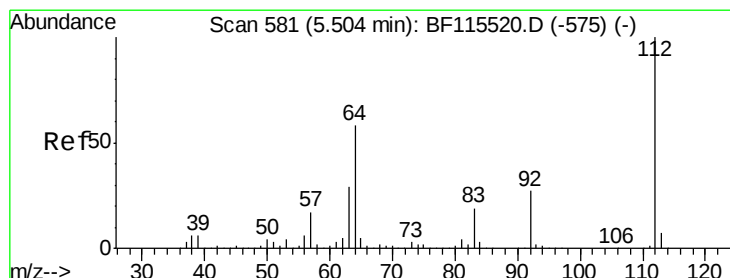
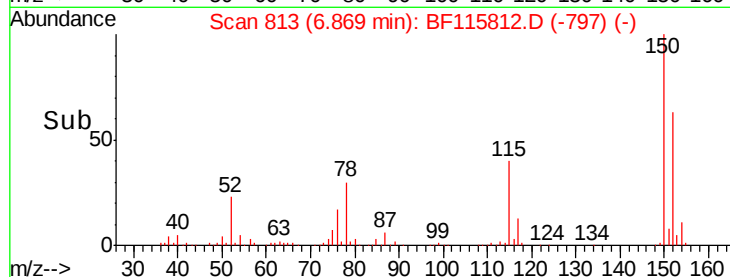
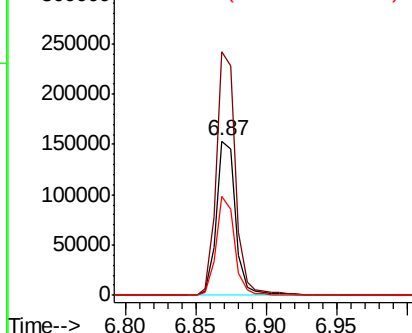
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF115812.D
 Acq: 27 Jul 2019 2:46

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-B

Tgt Ion:152 Resp: 145798
 Ion Ratio Lower Upper
 152 100
 150 158.0 126.6 189.8
 115 63.9 47.8 71.6

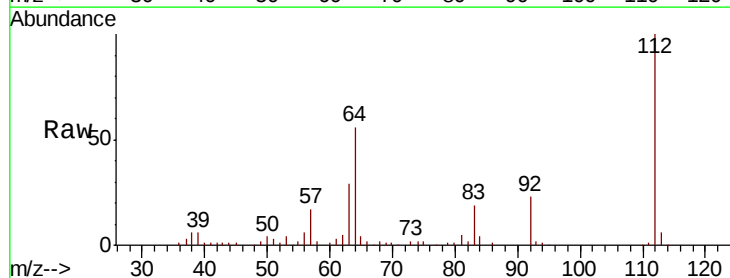


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

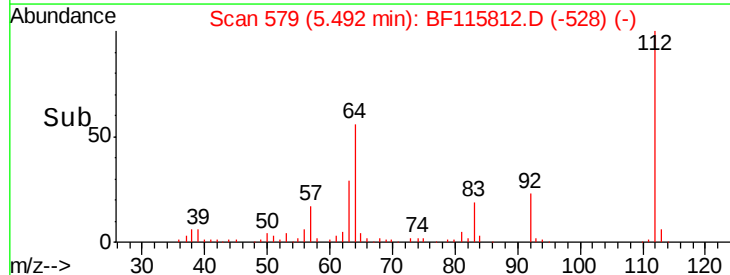
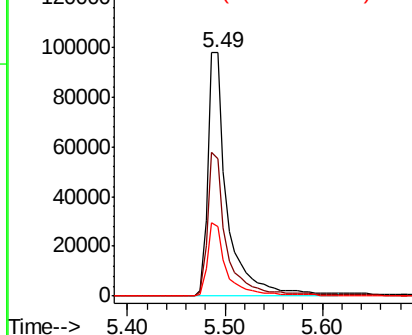


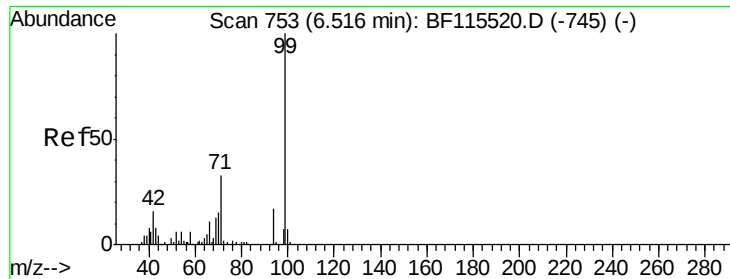
#5
 2-Fluorophenol
 Concen: 15.271 ng
 RT: 5.49 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: BF115812.D
 Acq: 27 Jul 2019 2:46

Tgt Ion:112 Resp: 136121
 Ion Ratio Lower Upper
 112 100
 64 56.2 45.8 68.8
 63 28.7 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: 16.253 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF115812.D

Acq: 27 Jul 2019 2:46

Instrument :

BNA_F

ClientSampleId :

SU-01-072519-B

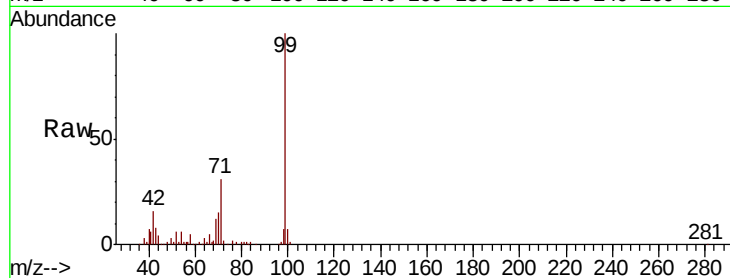
Tgt Ion: 99 Resp: 183828

Ion Ratio Lower Upper

99 100

42 16.5 13.4 20.2

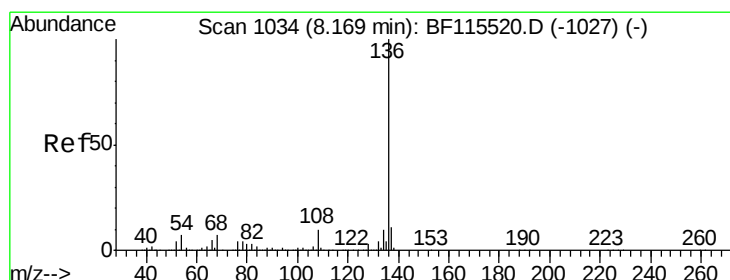
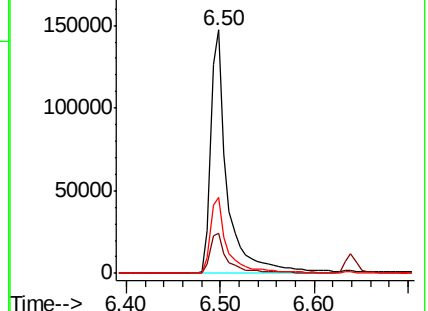
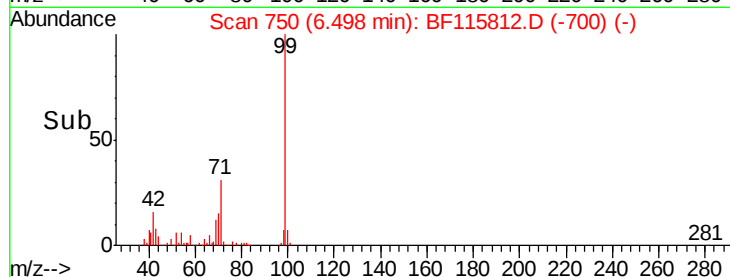
71 31.2 26.7 40.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF115812.D

Acq: 27 Jul 2019 2:46

Tgt Ion: 136 Resp: 504891

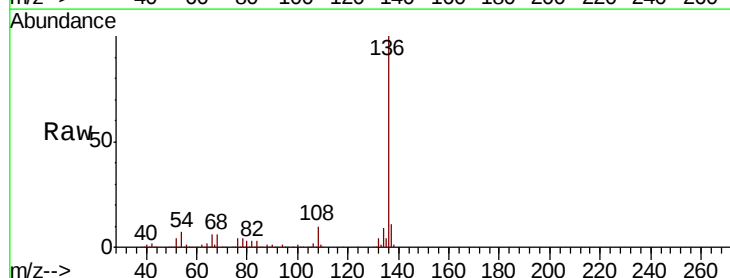
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 7.3 5.0 7.6

68 6.1 4.7 7.1

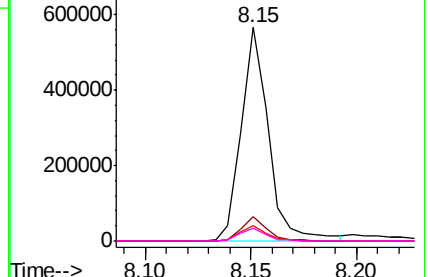
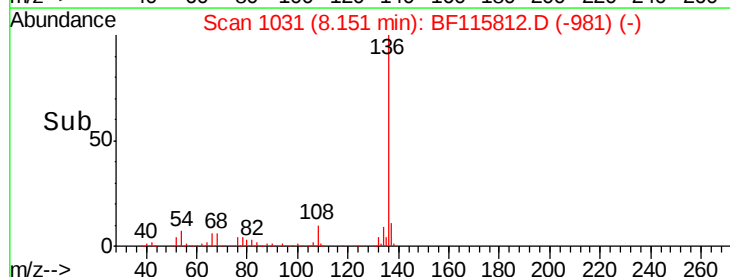


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

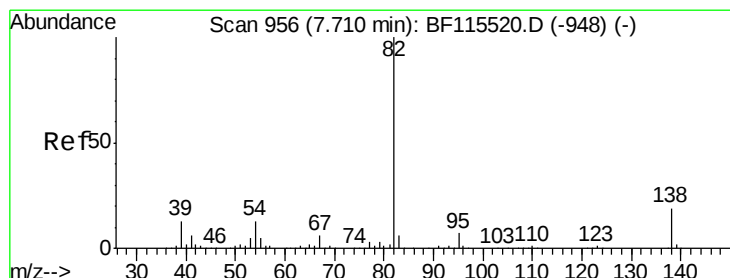
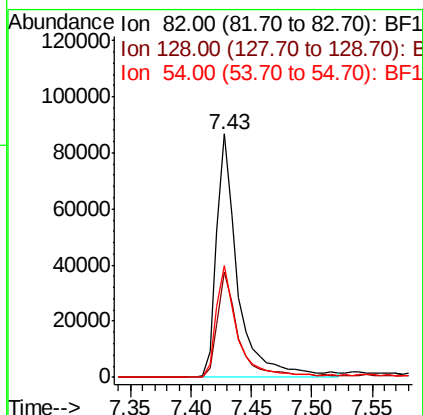
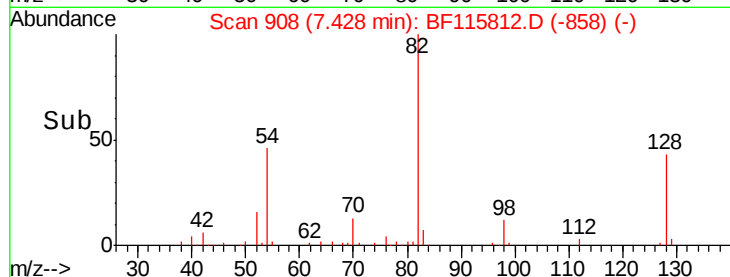
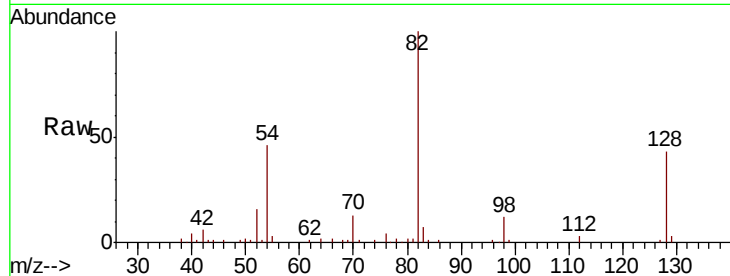




#23
 Nitrobenzene-d5
 Concen: 12.150 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF115812.D
 Acq: 27 Jul 2019 2:46

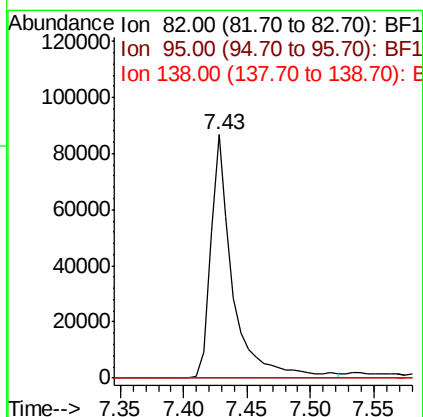
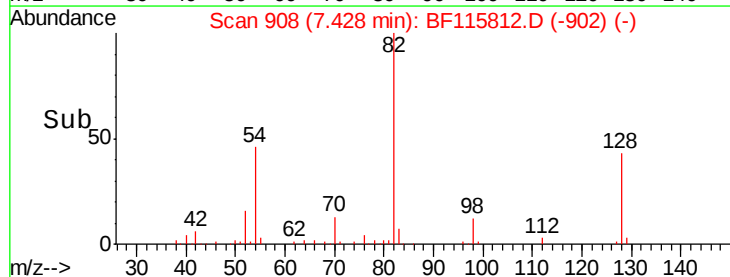
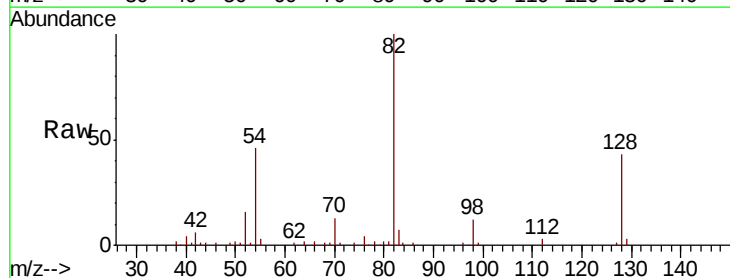
Instrument :
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 SU-01-072519-B

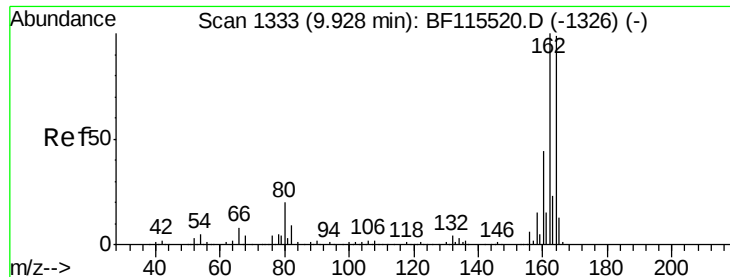
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.6	55.0
54	45.9	36.6	54.8



#25
 Isophorone
 Concen: 6.072 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.26 min
 Lab File: BF115812.D
 Acq: 27 Jul 2019 2:46

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.2	21.4#

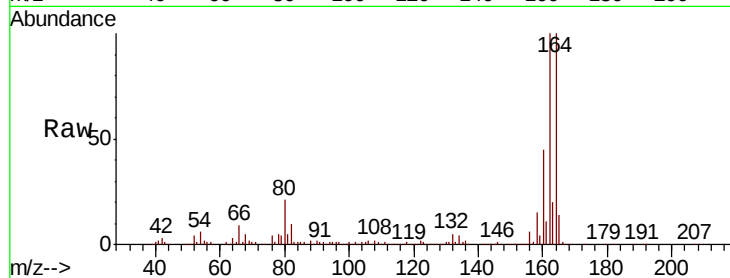




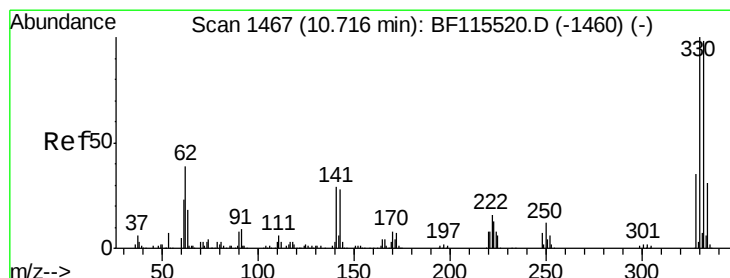
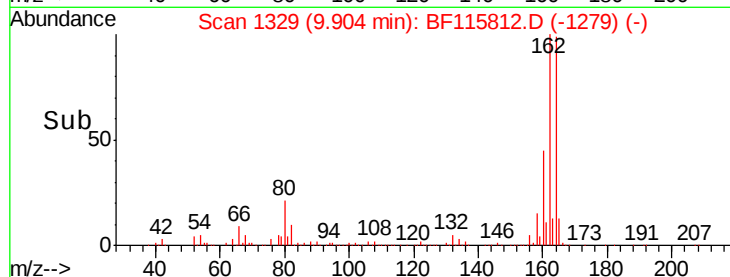
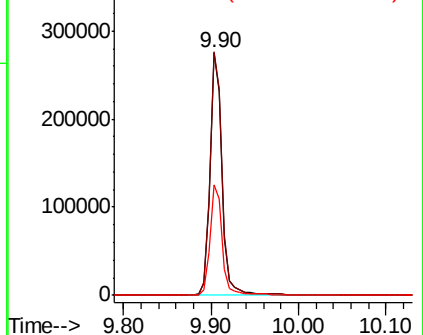
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

Tgt Ion:164 Resp: 262946
Ion Ratio Lower Upper
164 100
162 100.4 81.8 122.6
160 45.5 37.5 56.3

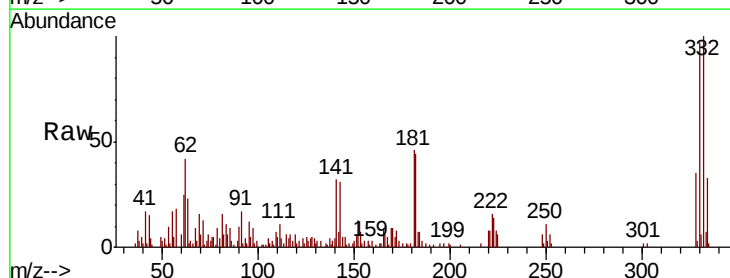


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

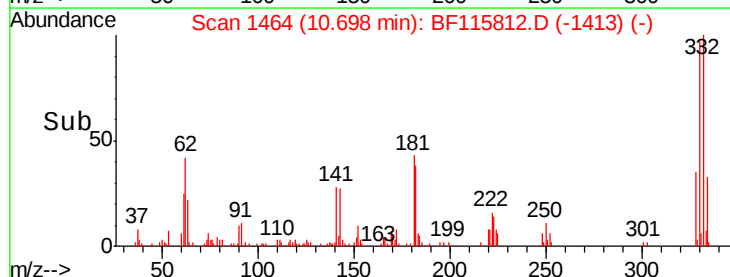
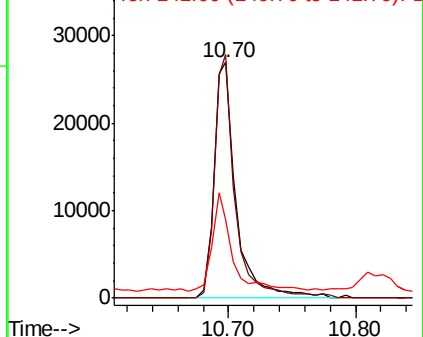


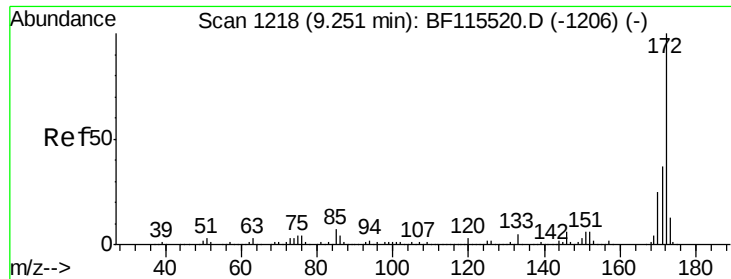
#42
2,4,6-Tribromophenol
Concen: 10.684 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.00 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Tgt Ion:330 Resp: 32792
Ion Ratio Lower Upper
330 100
332 97.8 76.1 114.1
141 37.4 25.9 38.9



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

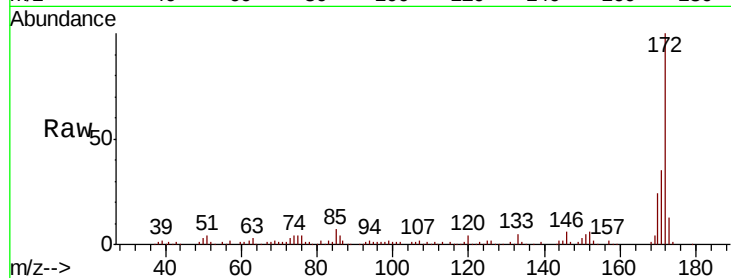




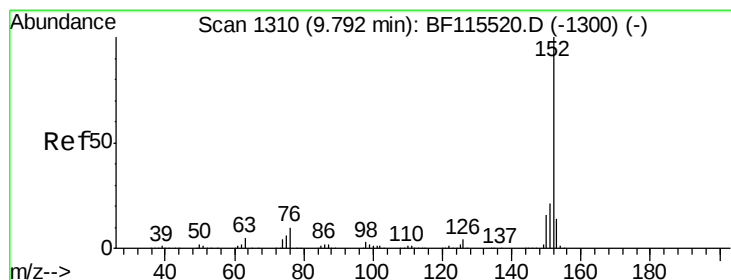
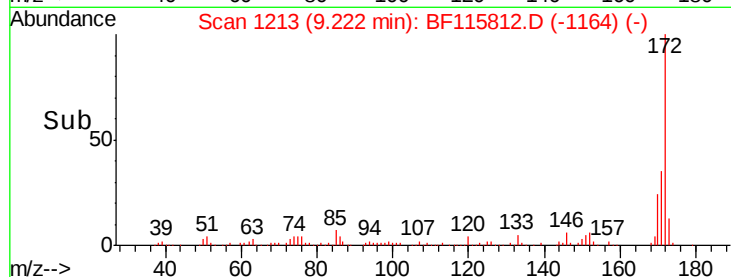
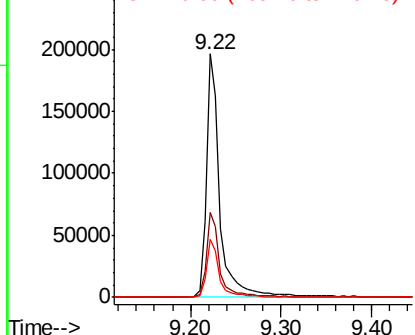
#45
2-Fluorobiphenyl
Concen: 13.807 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Instrument :
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ClientSampleId :
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Tgt Ion:172 Resp: 207427
Ion Ratio Lower Upper
172 100
171 35.0 29.0 43.4
170 23.7 20.1 30.1

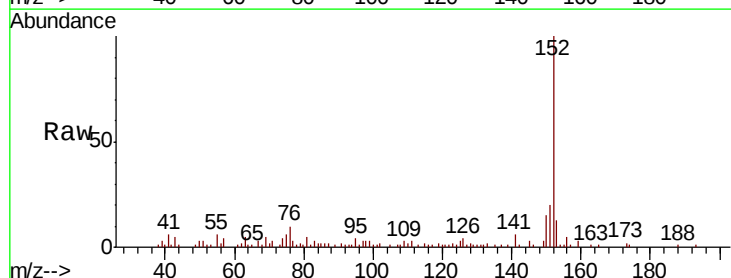


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

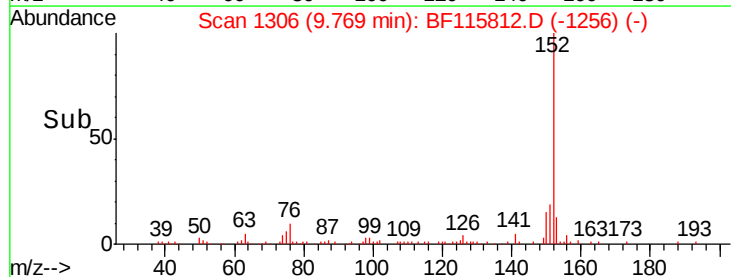
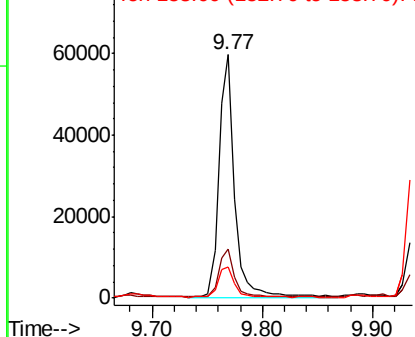


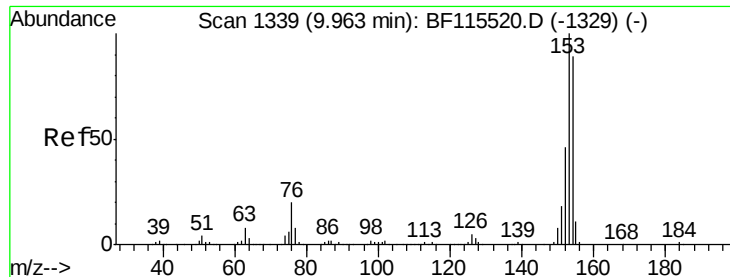
#49
Acenaphthylene
Concen: 2.373 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Tgt Ion:152 Resp: 60176
Ion Ratio Lower Upper
152 100
151 19.9 16.9 25.3
153 12.9 11.5 17.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#52

Acenaphthene

Concen: 2.015 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF115812.D

Acq: 27 Jul 2019 2:46

Instrument :

BNA_F

ClientSampleId :

SU-01-072519-B

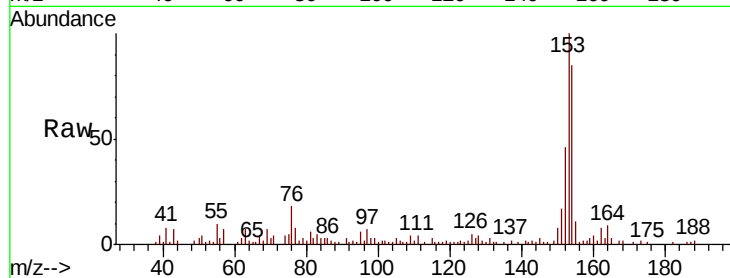
Tgt Ion:154 Resp: 33001

Ion Ratio Lower Upper

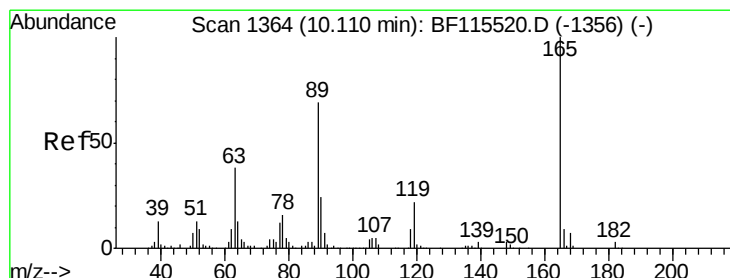
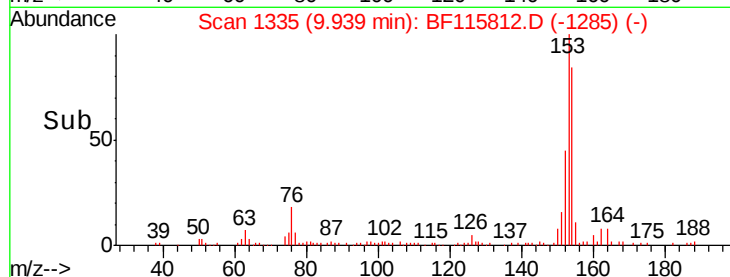
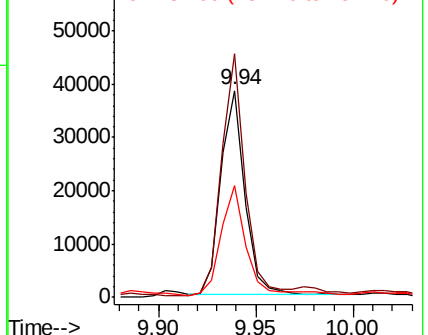
154 100

153 117.6 88.1 132.1

152 53.9 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 6.586 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.19 min

Lab File: BF115812.D

Acq: 27 Jul 2019 2:46

Tgt Ion:165 Resp: 38360

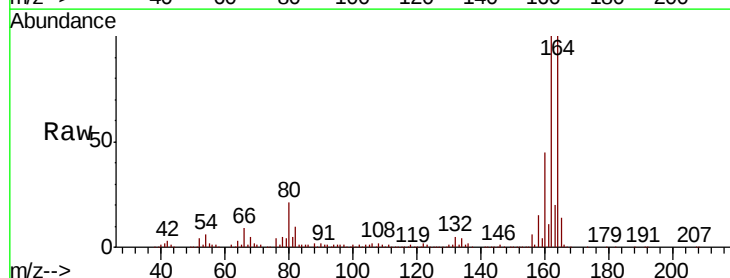
Ion Ratio Lower Upper

165 100

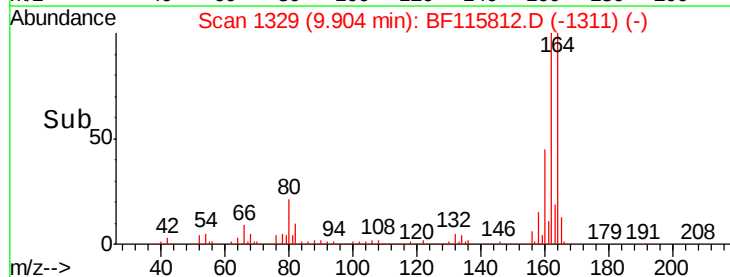
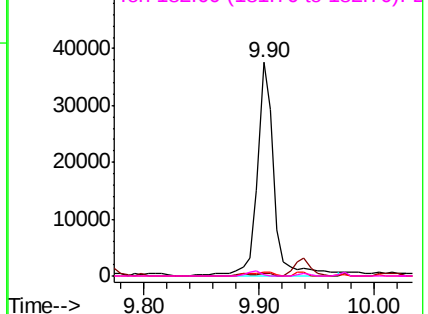
63 1.5 33.4 50.2#

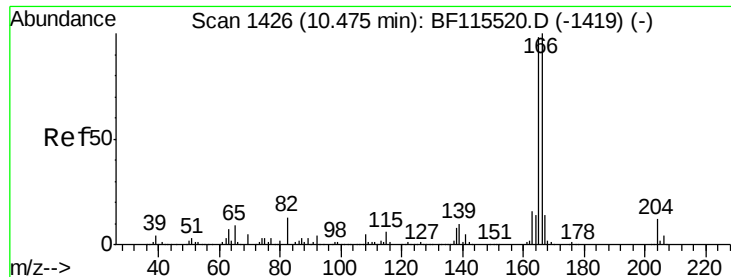
89 1.8 57.3 85.9#

182 0.9 2.1 3.1#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 4.090 ng

RT: 10.45 min Scan# 1422

Delta R.T. -0.01 min

Lab File: BF115812.D

Acq: 27 Jul 2019 2:46

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SU-01-072519-B

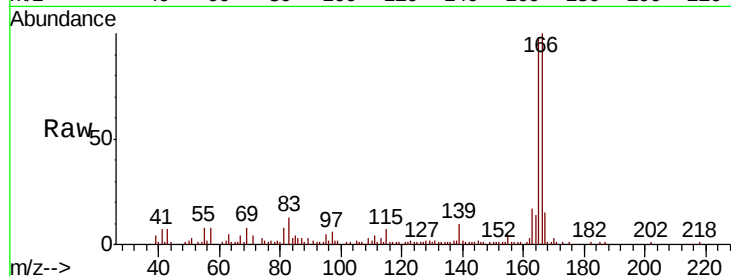
Tgt Ion:166 Resp: 67999

Ion Ratio Lower Upper

166 100

165 97.5 79.0 118.4

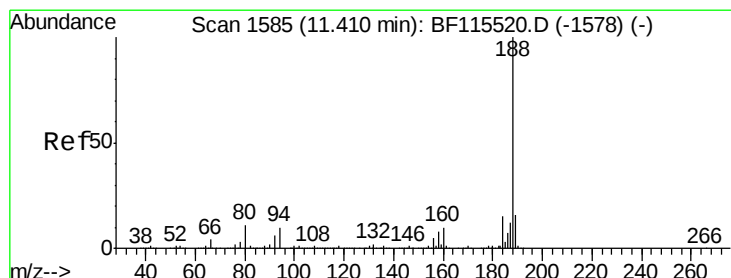
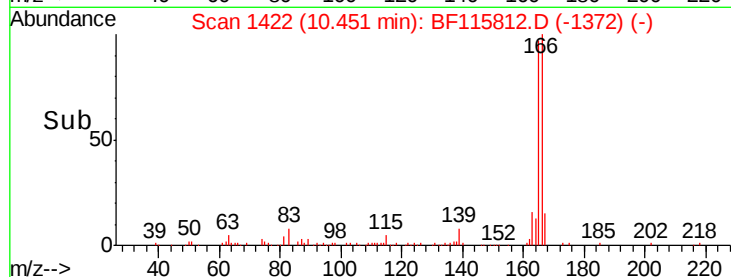
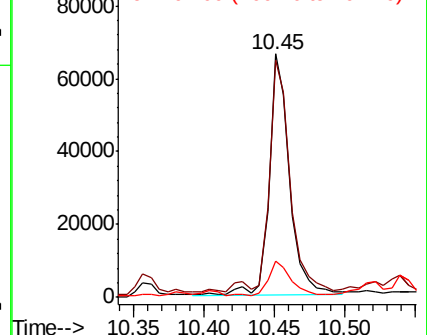
167 15.1 11.0 16.6



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: 11.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BF115812.D

Acq: 27 Jul 2019 2:46

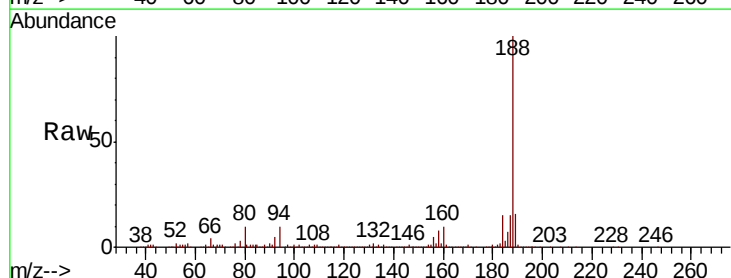
Tgt Ion:188 Resp: 398046

Ion Ratio Lower Upper

188 100

94 9.6 8.2 12.2

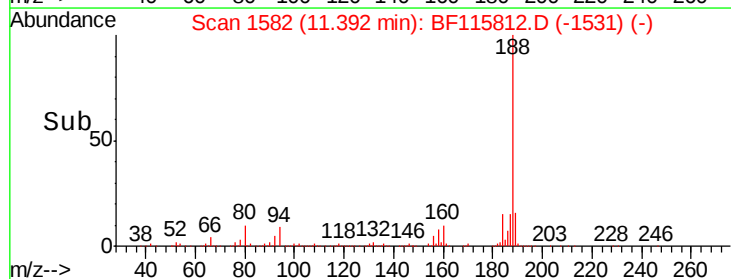
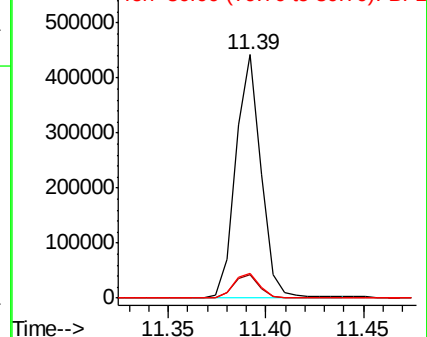
80 10.1 9.0 13.6

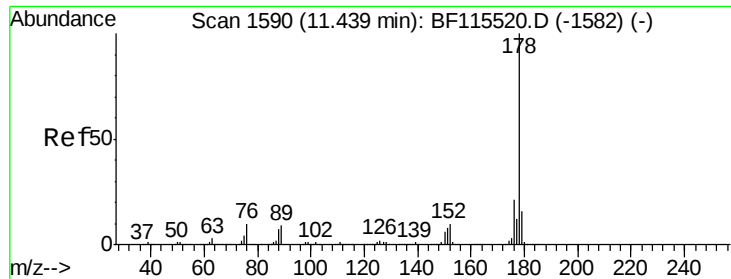


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

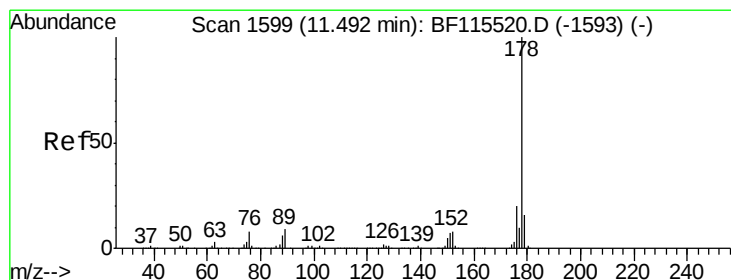
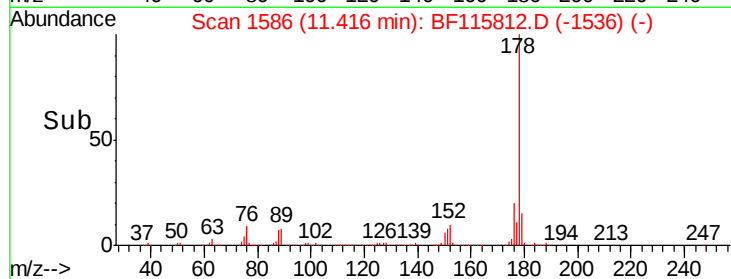
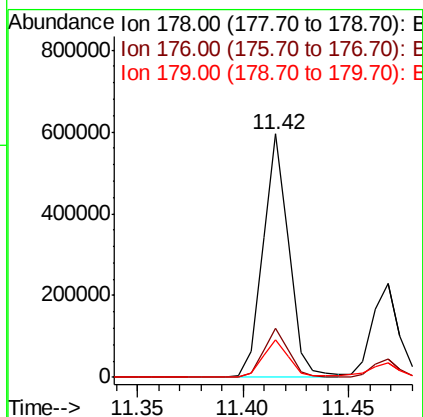
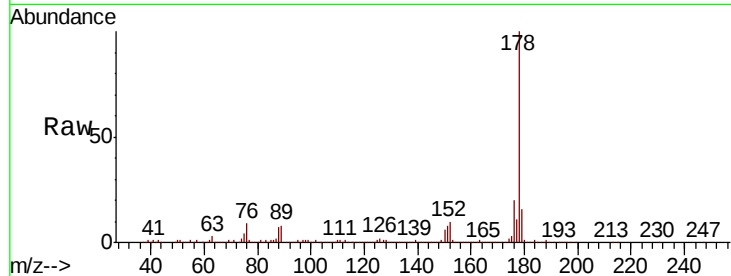




#71
Phenanthrene
Concen: 24.781 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

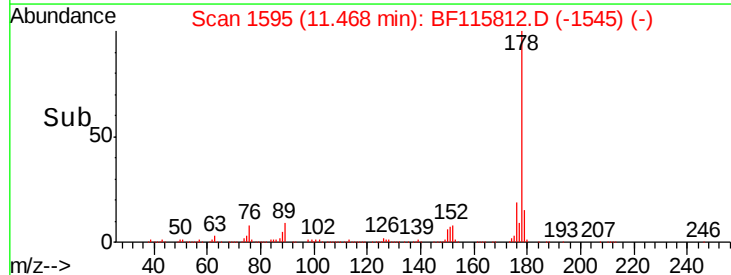
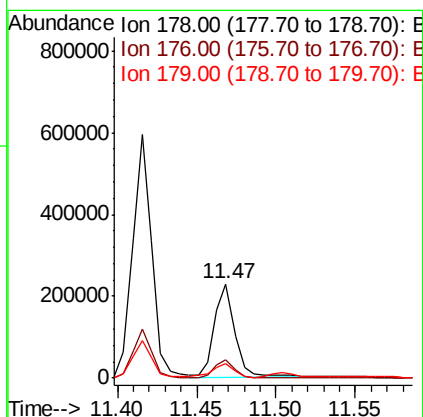
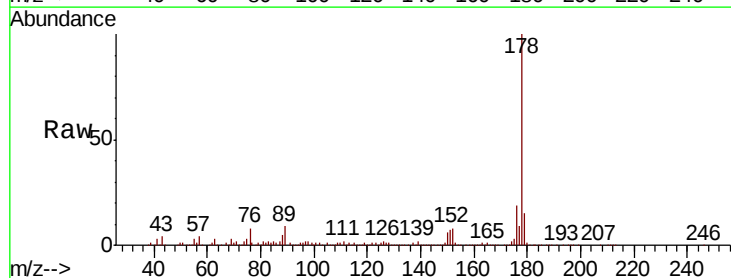
Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

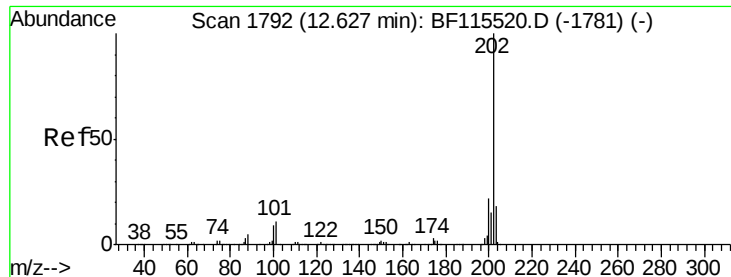
Tgt Ion:178 Resp: 505623
Ion Ratio Lower Upper
178 100
176 20.0 16.4 24.6
179 15.5 12.7 19.1



#72
Anthracene
Concen: 9.976 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Tgt Ion:178 Resp: 210354
Ion Ratio Lower Upper
178 100
176 19.0 16.1 24.1
179 15.4 12.6 18.8





#75

Fluoranthene

Concen: 43.770 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BF115812.D

Acq: 27 Jul 2019 2:46

Instrument :

BNA_F

ClientSampleId :

SU-01-072519-B

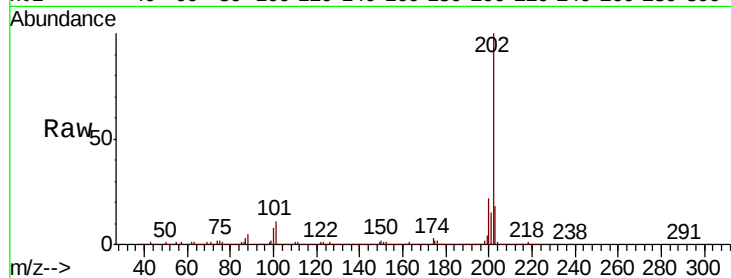
Tgt Ion: 202 Resp: 943735

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.6

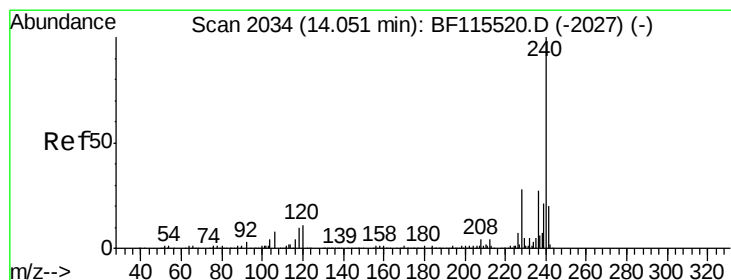
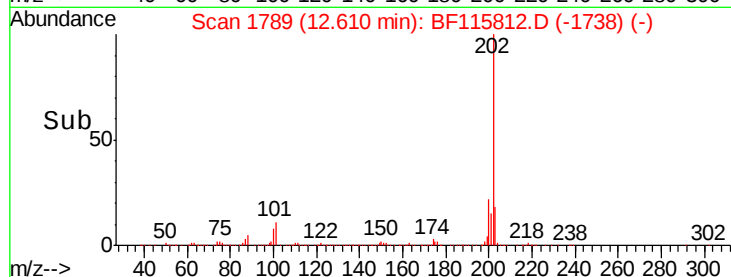
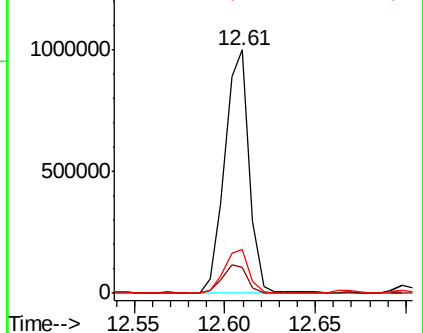
203 17.9 0.0 38.0



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: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF115812.D

Acq: 27 Jul 2019 2:46

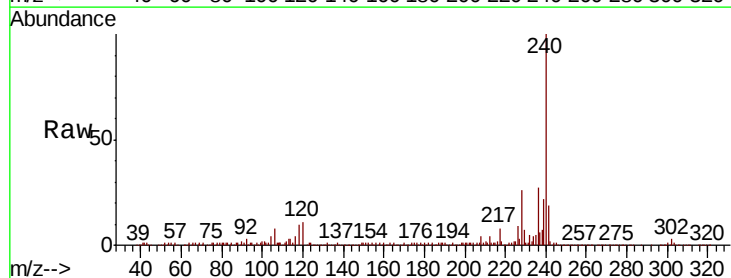
Tgt Ion: 240 Resp: 369971

Ion Ratio Lower Upper

240 100

120 11.2 10.0 15.0

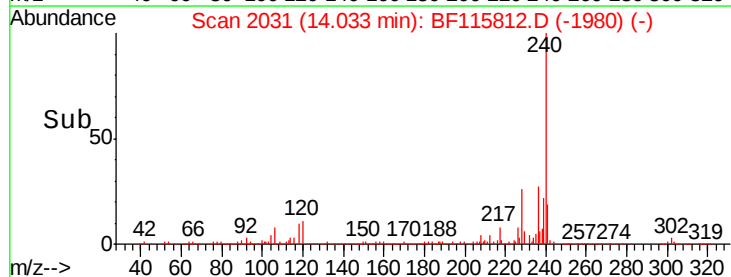
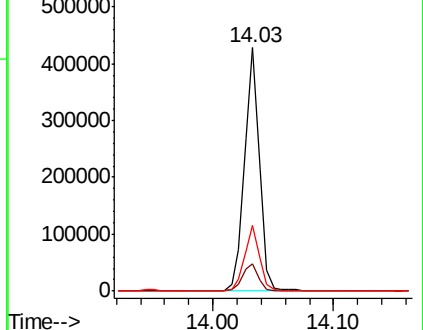
236 26.8 21.8 32.6

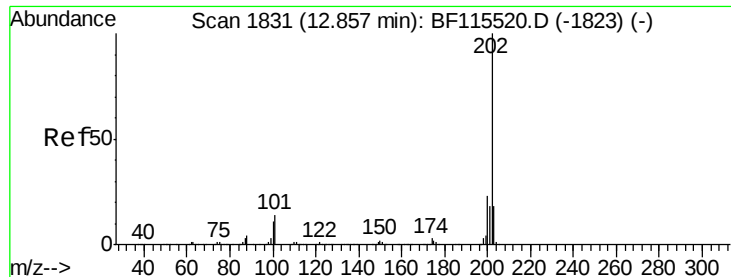


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

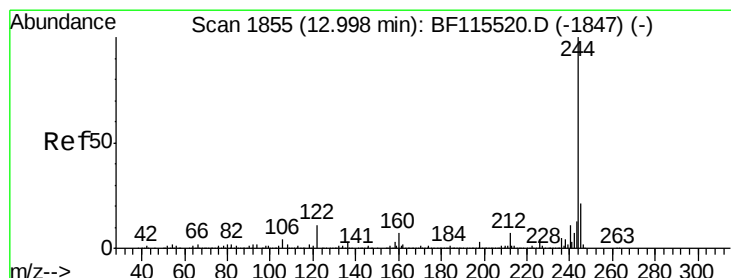
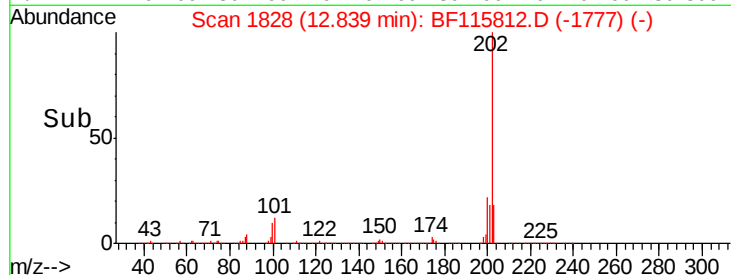
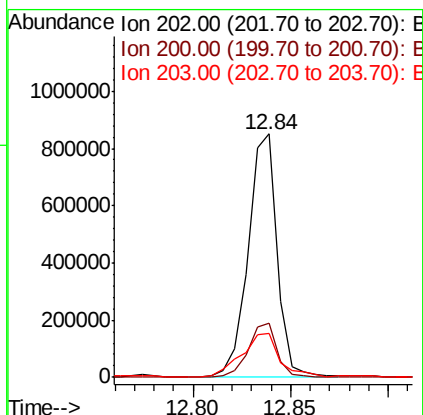
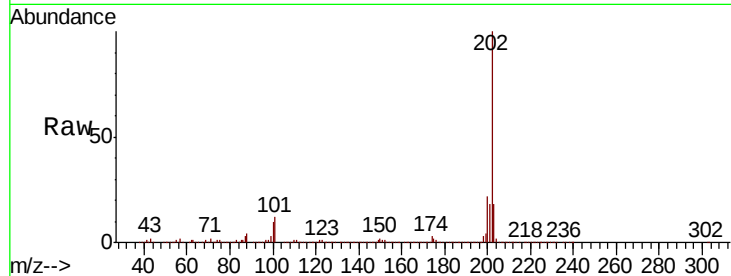




#78
 Pyrene
 Concen: 27.735 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BF115812.D
 Acq: 27 Jul 2019 2:46

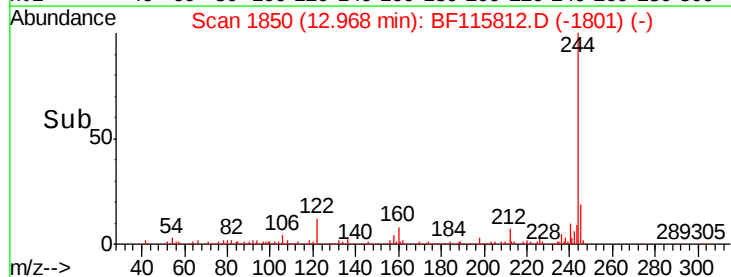
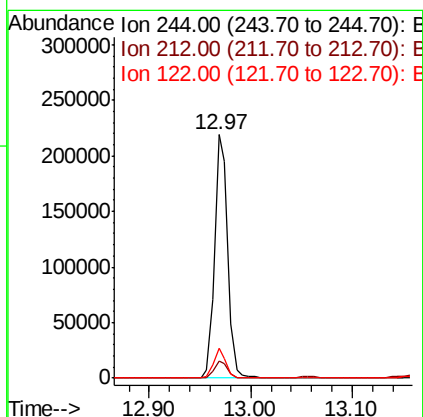
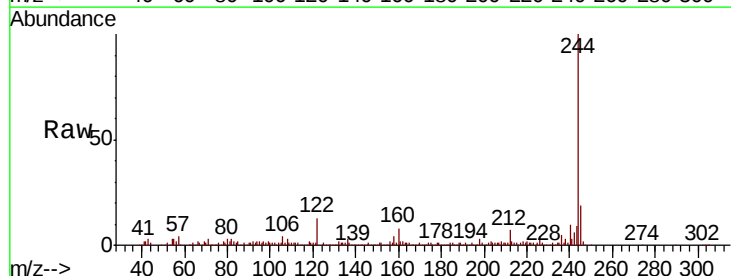
Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-B

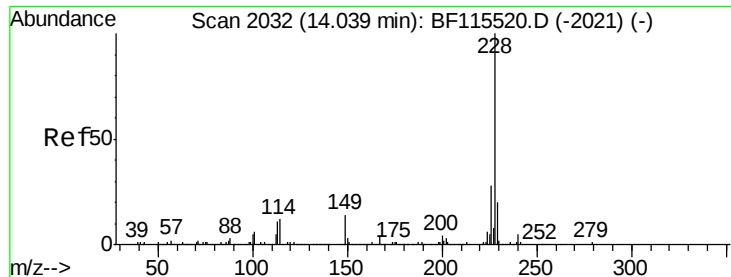
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.2	27.4
203	18.1	14.6	21.8



#79
 Terphenyl-d14
 Concen: 9.825 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF115812.D
 Acq: 27 Jul 2019 2:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	12.5	8.2	12.4

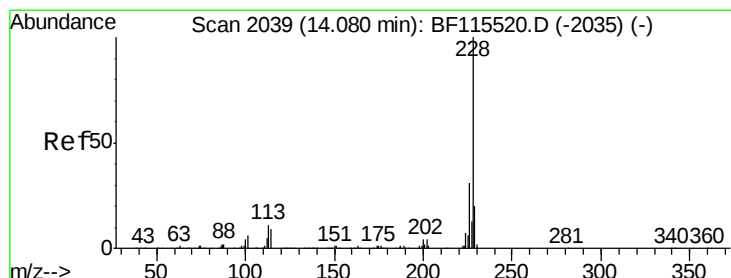
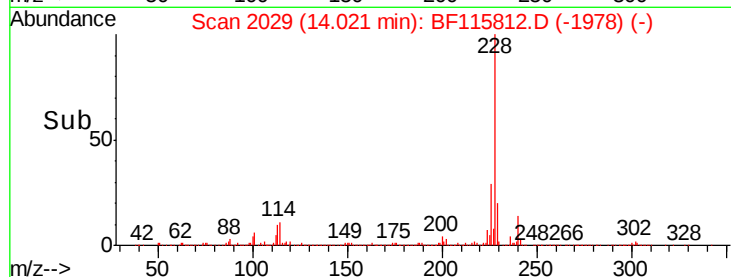
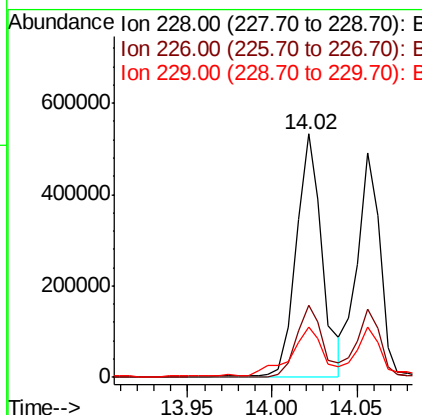
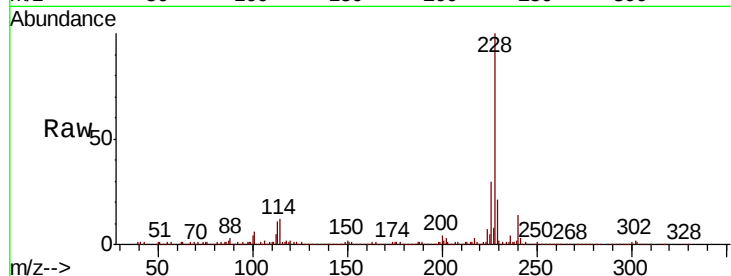




#81
Benzo(a)anthracene
Concen: 23.249 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

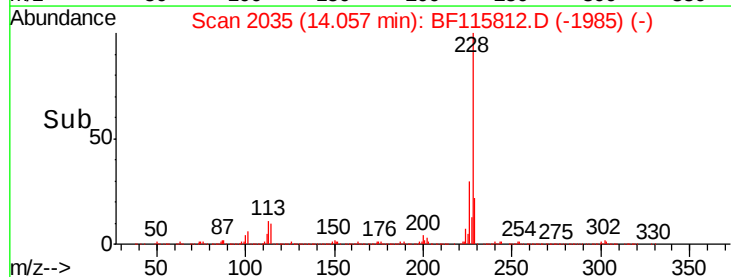
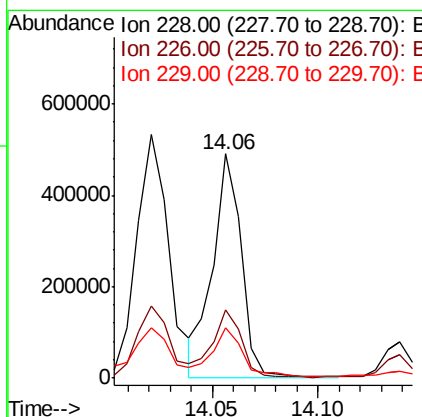
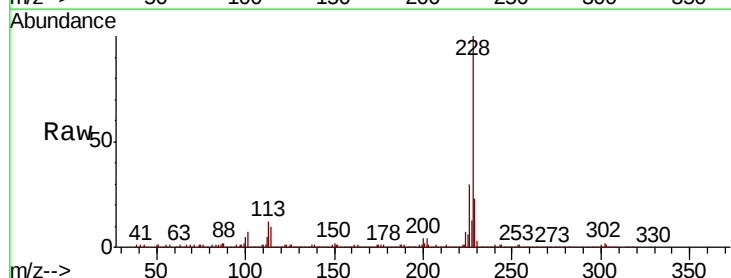
Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

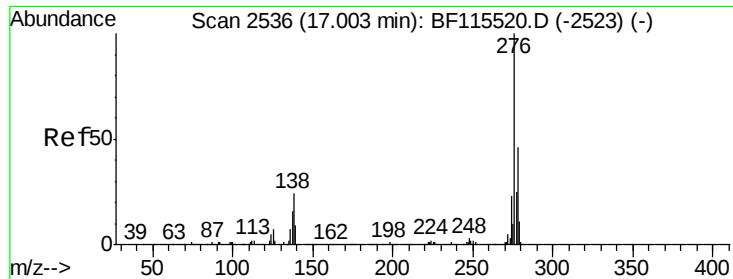
Tgt Ion:228 Resp: 566657
Ion Ratio Lower Upper
228 100
226 29.5 22.2 33.2
229 20.8 16.1 24.1



#83
Chrysene
Concen: 18.890 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Tgt Ion:228 Resp: 462193
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.4
229 22.7 16.2 24.2

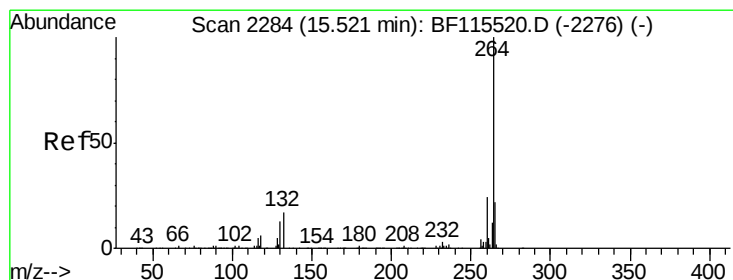
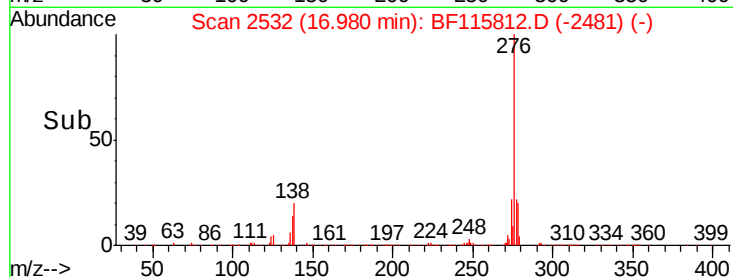
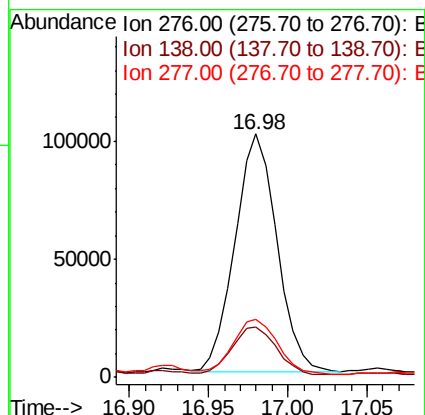
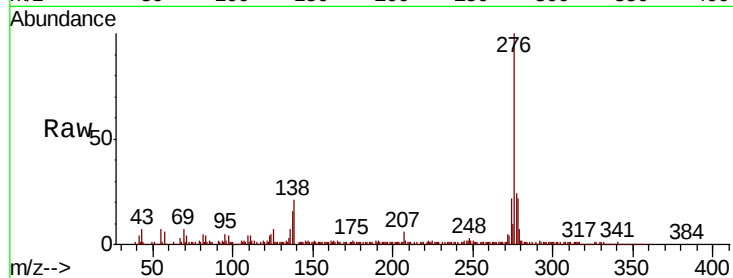




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.855 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. -0.00 min
 Lab File: BF115812.D
 Acq: 27 Jul 2019 2:46

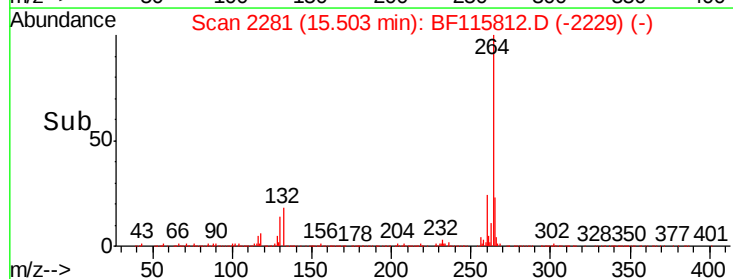
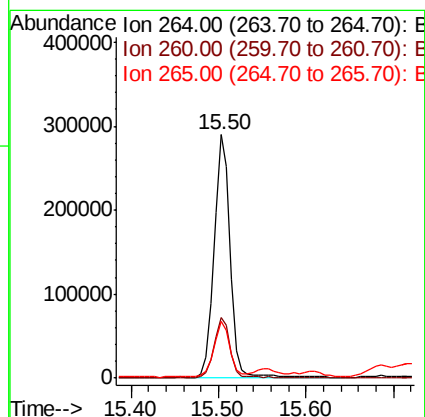
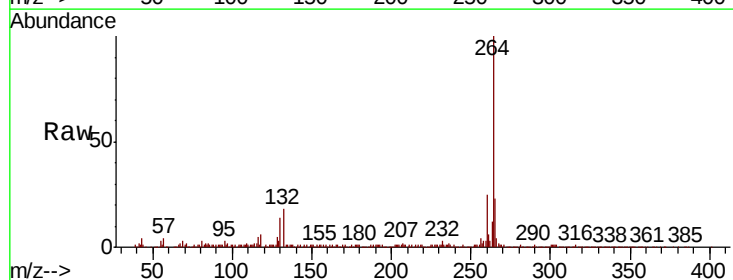
Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-B

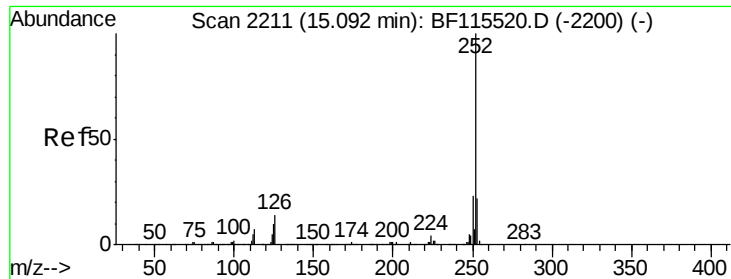
Tgt Ion:276 Resp: 184074
 Ion Ratio Lower Upper
 276 100
 138 21.3 20.1 30.1
 277 24.6 19.8 29.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. 0.01 min
 Lab File: BF115812.D
 Acq: 27 Jul 2019 2:46

Tgt Ion:264 Resp: 365884
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.8 29.6
 265 23.1 17.5 26.3

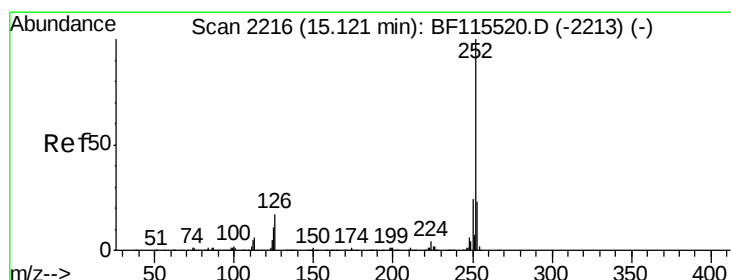
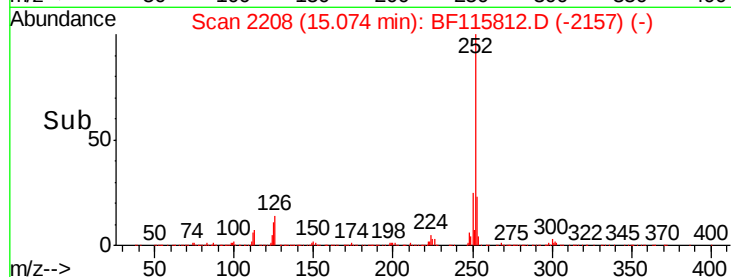
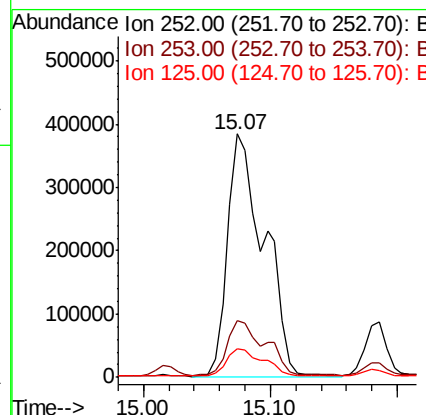
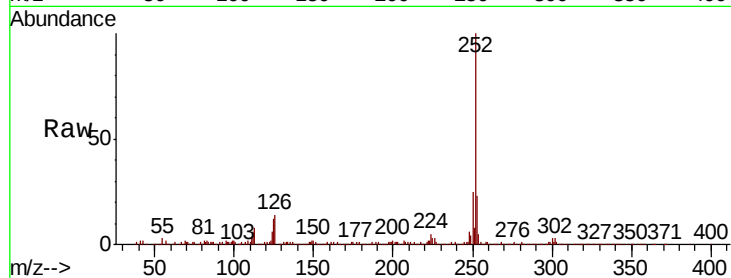




#88
 Benzo(b)fluoranthene
 Concen: 32.754 ng
 RT: 15.07 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: BF115812.D
 Acq: 27 Jul 2019 2:46

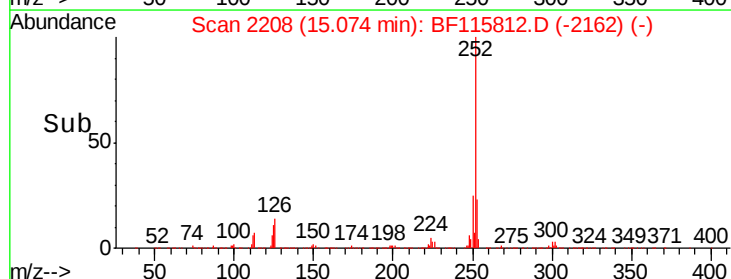
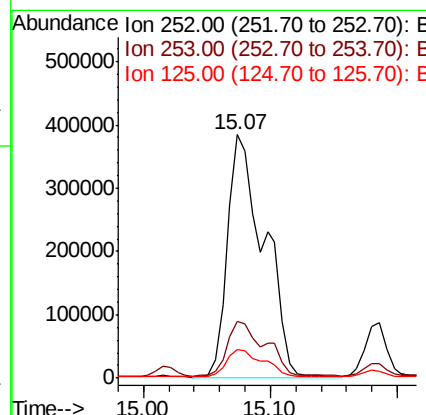
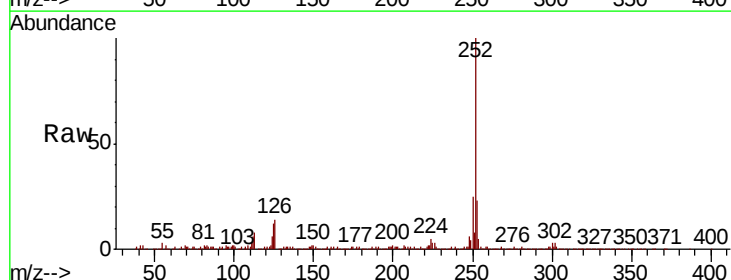
Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-B

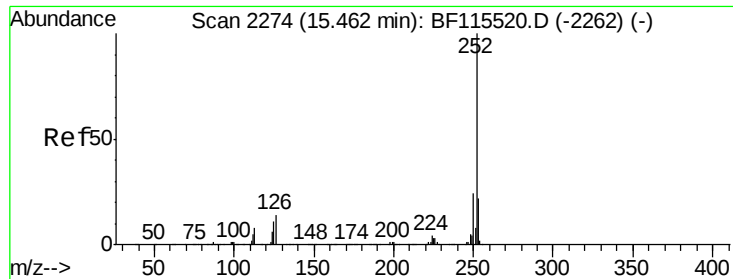
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	12.0	8.4	12.6



#89
 Benzo(k)fluoranthene
 Concen: 36.738 ng
 RT: 15.07 min Scan# 2208
 Delta R.T. -0.03 min
 Lab File: BF115812.D
 Acq: 27 Jul 2019 2:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	12.0	8.6	13.0

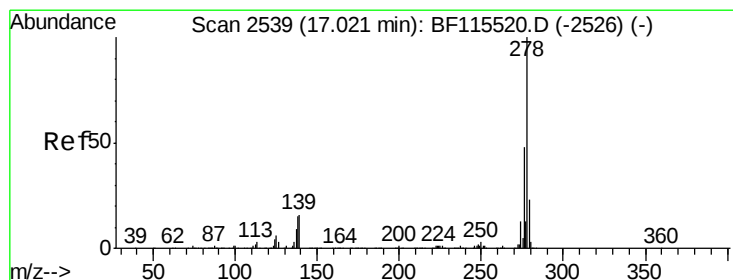
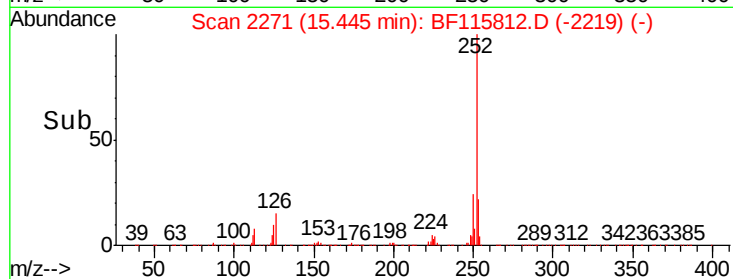
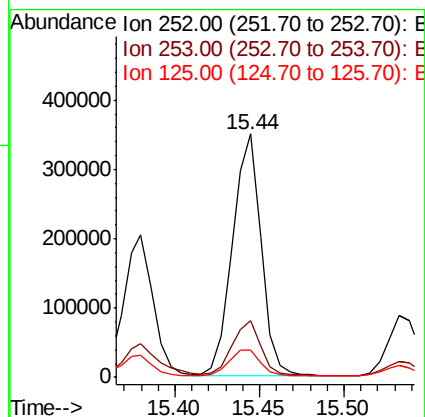
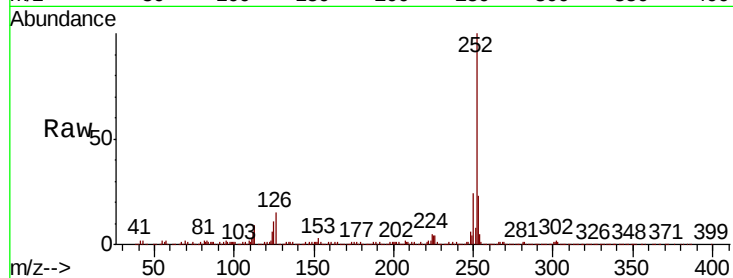




#90
Benzo(a)pyrene
Concen: 20.442 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

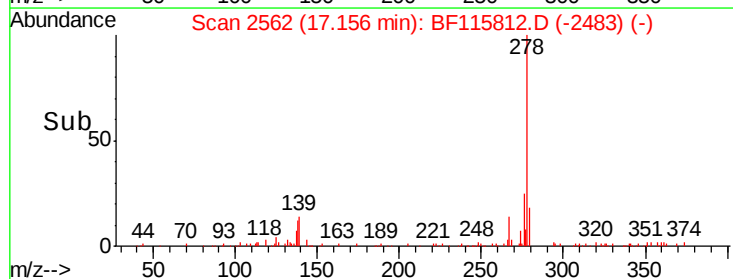
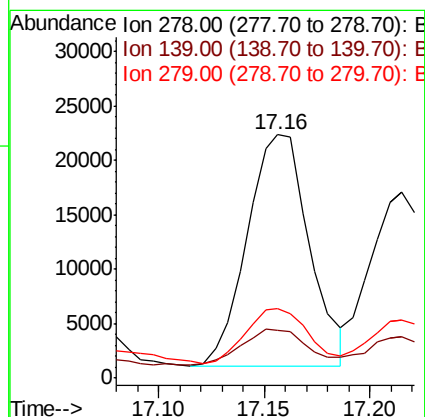
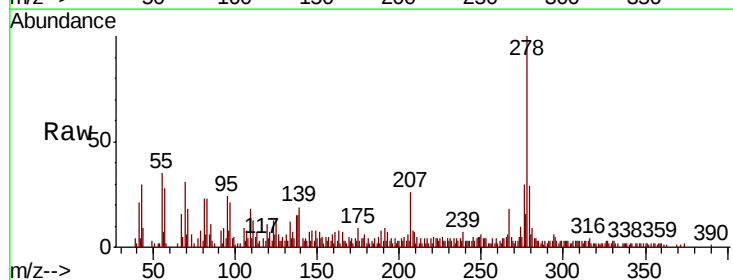
Instrument :
BNA_F
ClientSampleId :
SU-01-072519-B

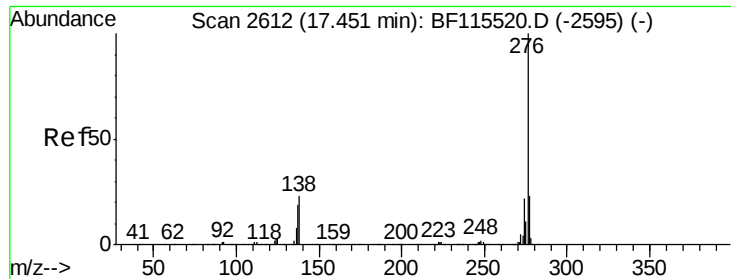
Tgt Ion: 252 Resp: 413945
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 11.2 9.4 14.2



#91
Dibenzo(a,h)anthracene
Concen: 2.436 ng
RT: 17.16 min Scan# 2562
Delta R.T. 0.16 min
Lab File: BF115812.D
Acq: 27 Jul 2019 2:46

Tgt Ion: 278 Resp: 43297
Ion Ratio Lower Upper
278 100
139 19.4 13.6 20.4
279 28.7 19.6 29.4





#92
 Benzo(g,h,i)perylene
 Concen: 9.863 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. -0.00 min
 Lab File: BF115812.D
 Acq: 27 Jul 2019 2:46

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-B

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.1	27.1
138	21.6	16.6	24.8

