

Data File : BF118694.D
Acq On : 24 Jan 2020 19:14
Operator : CG/JU
Sample : L1016-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-012320

Quant Time: Jan 27 01:03:58 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

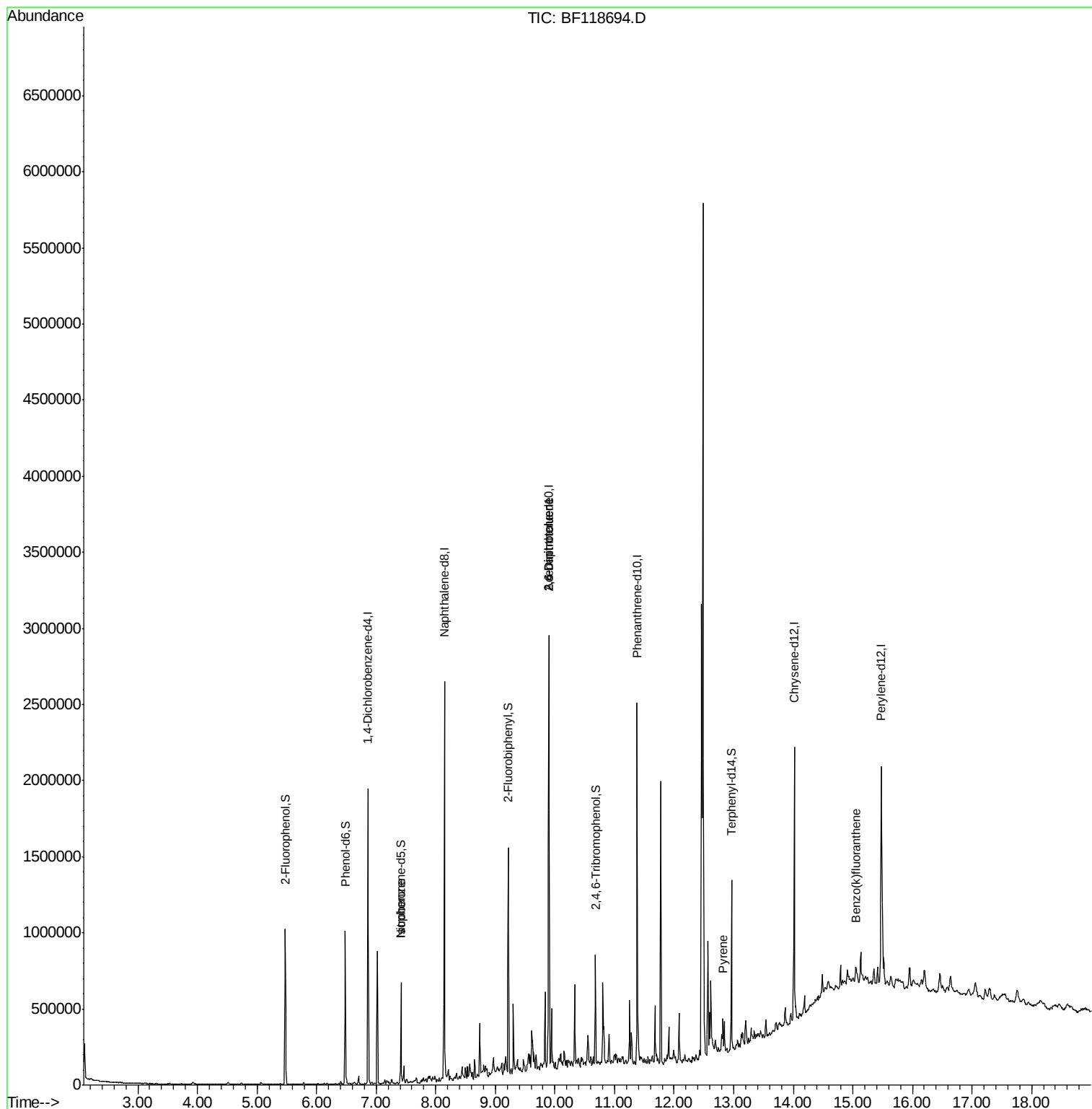
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	273379	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	1046012	20.00	ng	-0.02
39) Acenaphthene-d10	9.90	164	527395	20.00	ng	-0.03
64) Phenanthrene-d10	11.38	188	863717	20.00	ng	-0.03
76) Chrysene-d12	14.02	240	573749	20.00	ng	-0.03
87) Perylene-d12	15.48	264	715461	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	270200	18.36	ng	-0.02
7) Phenol-d6	6.48	99	316317	16.53	ng	-0.03
23) Nitrobenzene-d5	7.42	82	186115	9.95	ng	-0.03
42) 2,4,6-Tribromophenol	10.68	330	86465	14.17	ng	-0.03
45) 2-Fluorobiphenyl	9.22	172	424883	13.24	ng	-0.03
79) Terphenyl-d14	12.96	244	380760	14.47	ng	-0.03
Target Compounds						
25) Isophorone	7.42	82	183197	5.371	ng	# 64
51) 2,6-Dinitrotoluene	9.90	165	71023	9.231	ng	# 21
57) 2,4-Dinitrotoluene	9.90	165	71259	7.347	ng	# 26
78) Pyrene	12.82	202	89805	2.306	ng	# 90
89) Benzo(k)fluoranthene	15.05	252	88240	2.118	ng	# 86

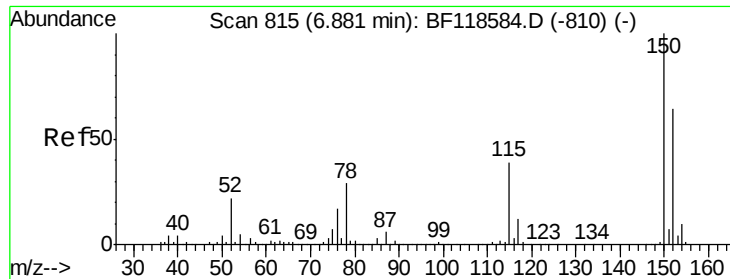
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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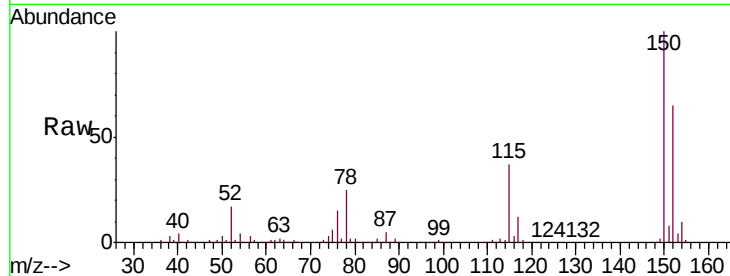




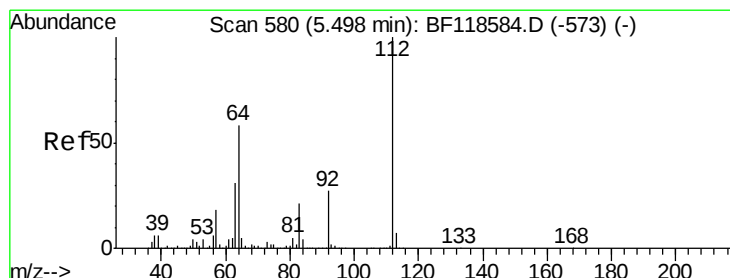
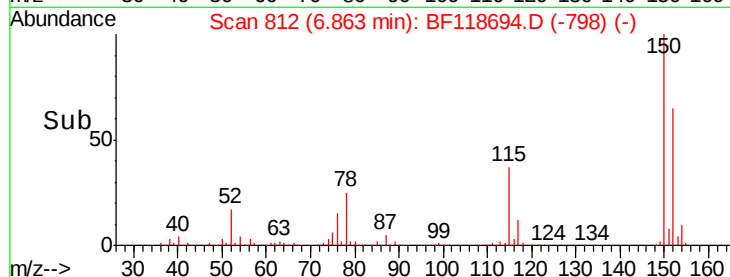
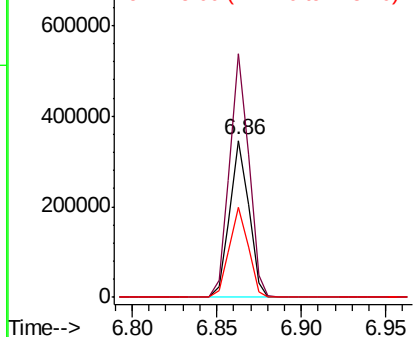
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BF118694.D
 Acq: 24 Jan 2020 19:14

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-012320

Tgt Ion:152 Resp: 273379
 Ion Ratio Lower Upper
 152 100
 150 155.0 125.6 188.4
 115 57.5 48.4 72.6

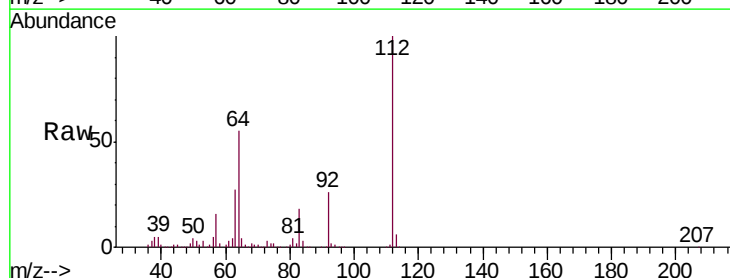


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

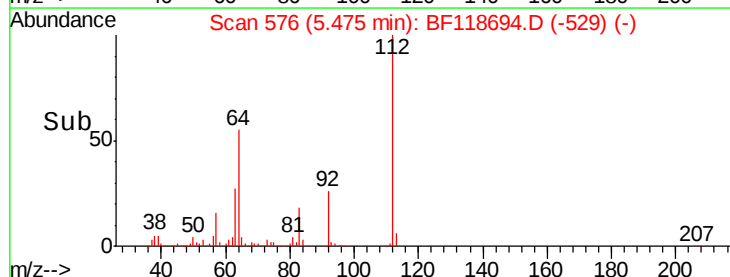
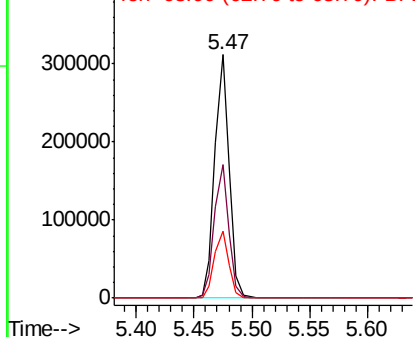


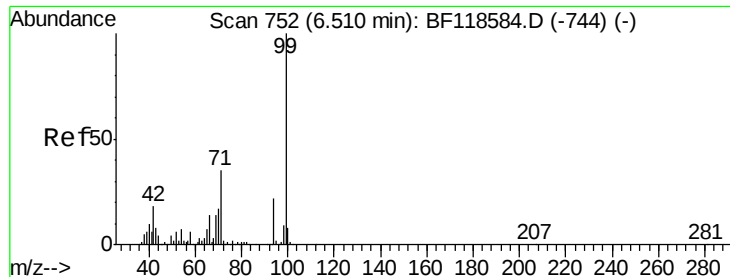
#5
 2-Fluorophenol
 Concen: 18.357 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.02 min
 Lab File: BF118694.D
 Acq: 24 Jan 2020 19:14

Tgt Ion:112 Resp: 270200
 Ion Ratio Lower Upper
 112 100
 64 55.0 46.6 70.0
 63 27.3 25.1 37.7



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: 16.534 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF118694.D

Acq: 24 Jan 2020 19:14

Instrument :

BNA_F

ClientSampleId :

SU-04-012320

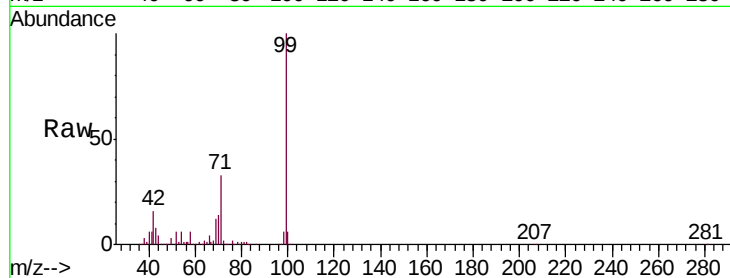
Tgt Ion: 99 Resp: 316317

Ion Ratio Lower Upper

99 100

42 15.7 14.2 21.2

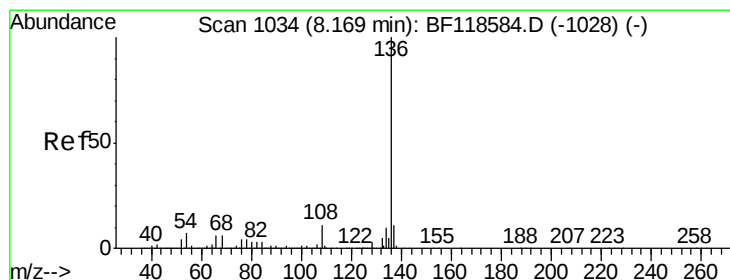
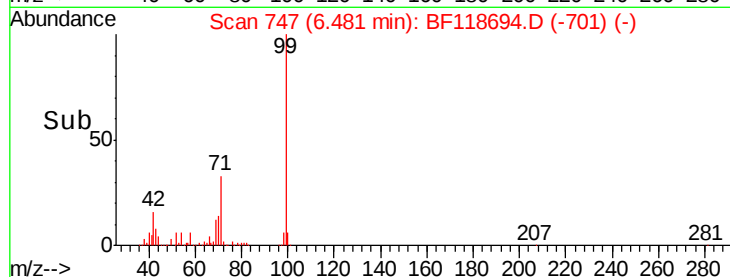
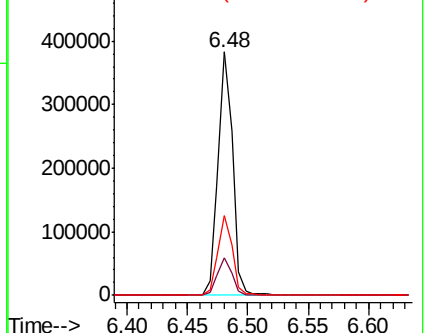
71 33.0 27.8 41.6



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# 1030

Delta R.T. -0.02 min

Lab File: BF118694.D

Acq: 24 Jan 2020 19:14

Tgt Ion: 136 Resp: 1046012

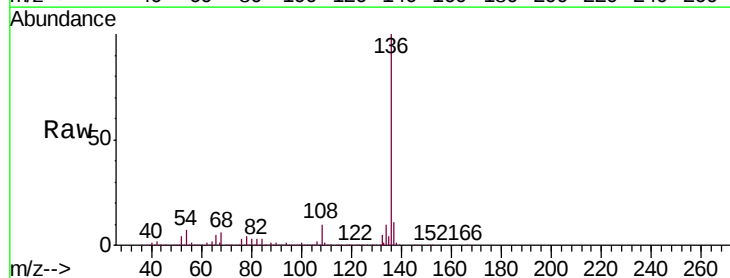
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 6.8 5.8 8.6

68 6.1 5.0 7.4

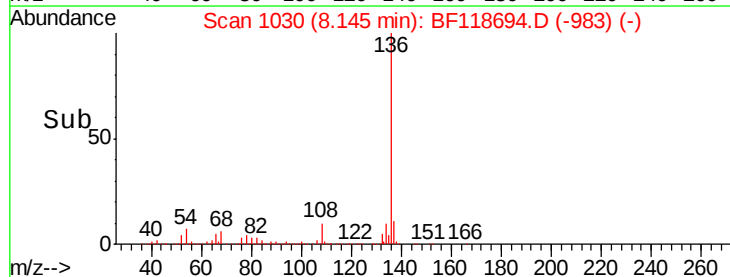
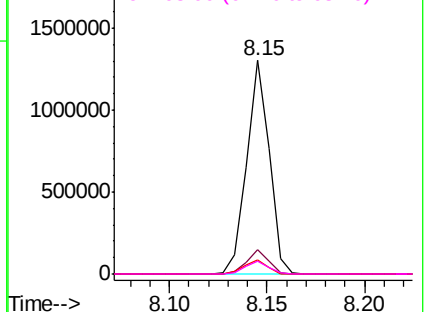


Abundance Ion 136.00 (135.70 to 136.70): E

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

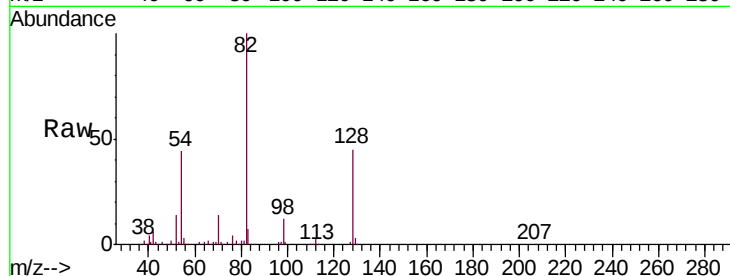




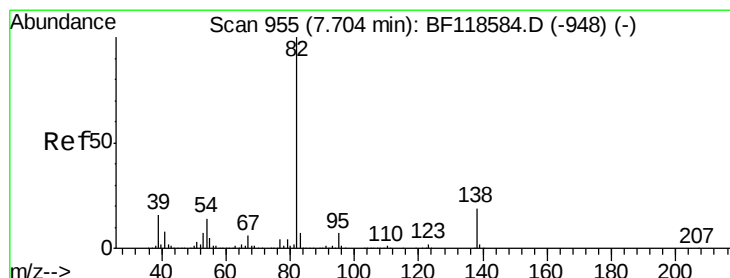
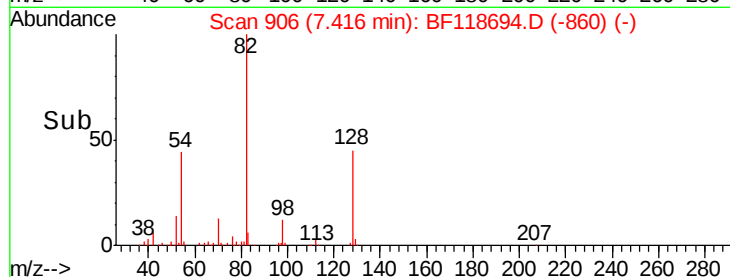
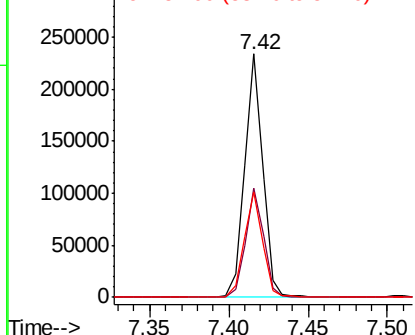
#23
 Nitrobenzene-d5
 Concen: 9.952 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.03 min
 Lab File: BF118694.D
 Acq: 24 Jan 2020 19:14

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-012320

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.6	54.8
54	43.5	38.0	57.0

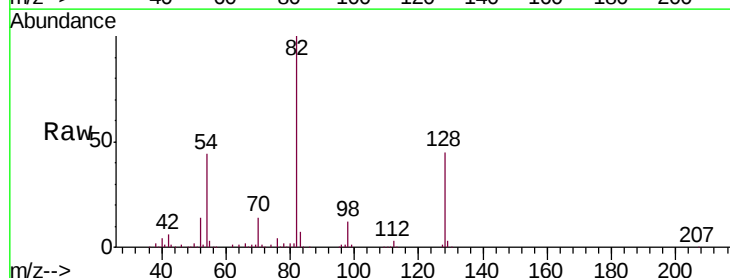


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

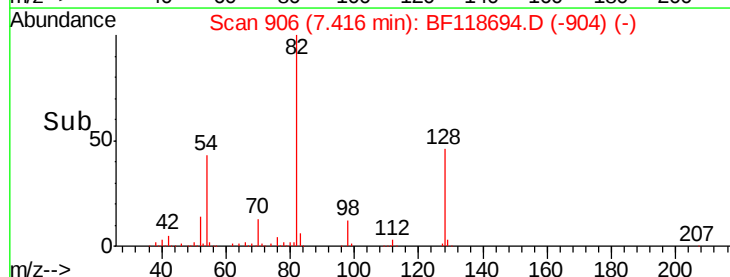
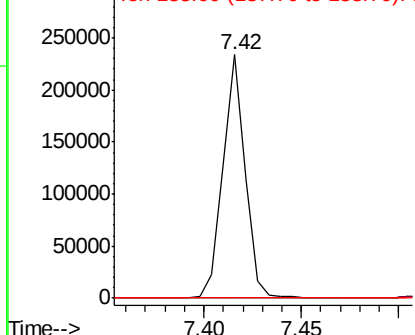


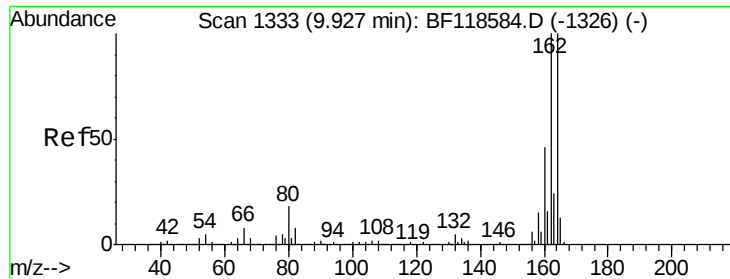
#25
 Isophorone
 Concen: 5.371 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.29 min
 Lab File: BF118694.D
 Acq: 24 Jan 2020 19:14

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.2	5.9	8.9#
138	0.0	15.3	22.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

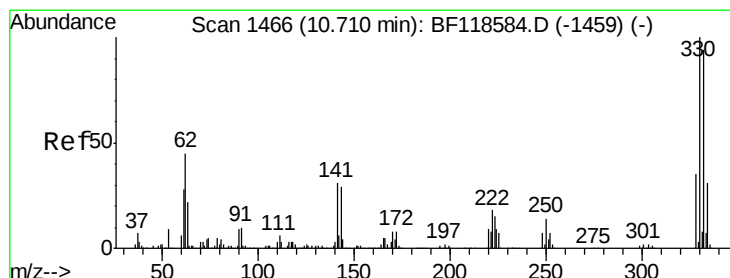
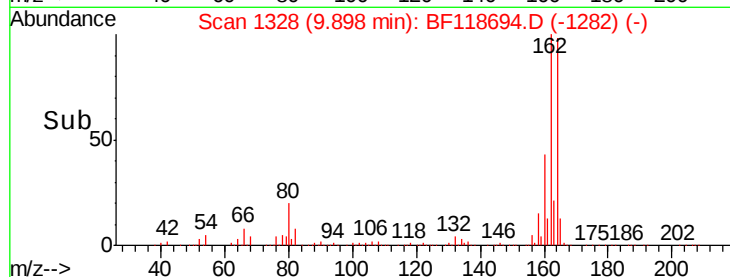
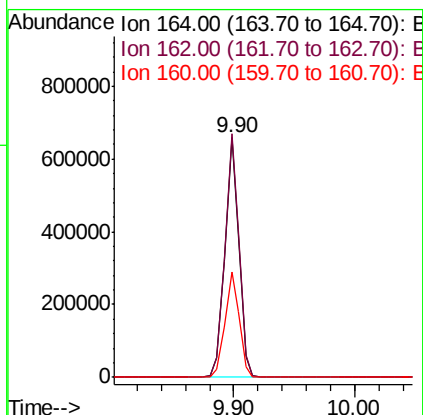
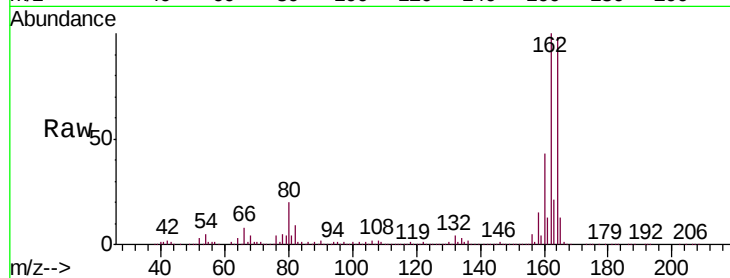




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.03 min
Lab File: BF118694.D
Acq: 24 Jan 2020 19:14

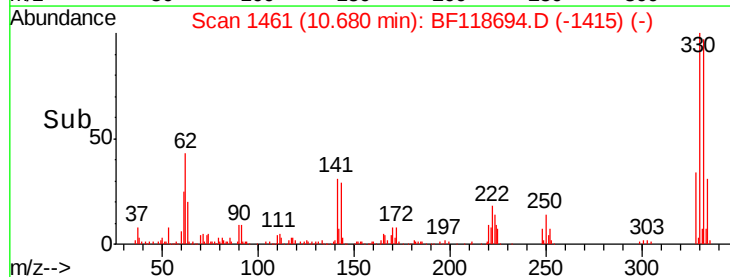
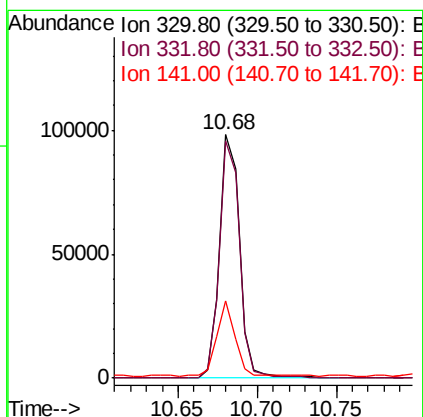
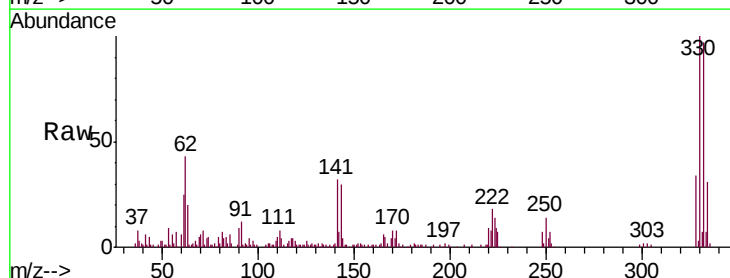
Instrument :
BNA_F
ClientSampleId :
SU-04-012320

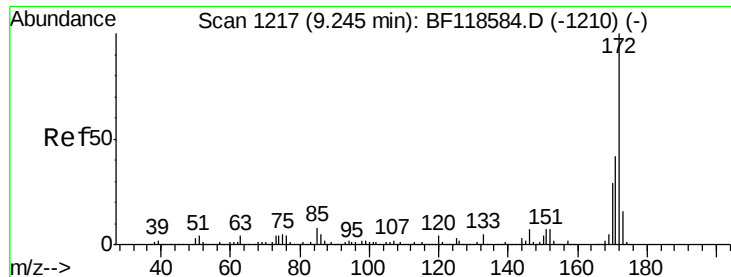
Tgt Ion:164 Resp: 527395
Ion Ratio Lower Upper
164 100
162 101.7 80.4 120.6
160 44.0 36.6 55.0



#42
2,4,6-Tribromophenol
Concen: 14.175 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.03 min
Lab File: BF118694.D
Acq: 24 Jan 2020 19:14

Tgt Ion:330 Resp: 86465
Ion Ratio Lower Upper
330 100
332 97.6 76.2 114.4
141 27.5 23.9 35.9

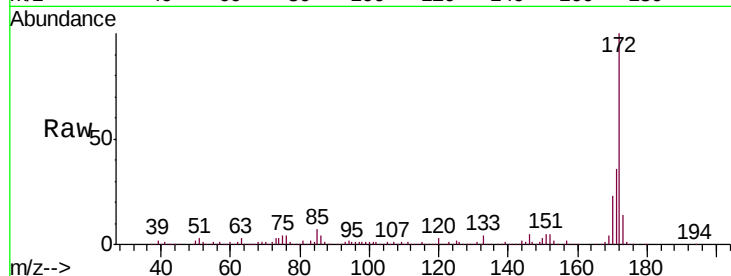




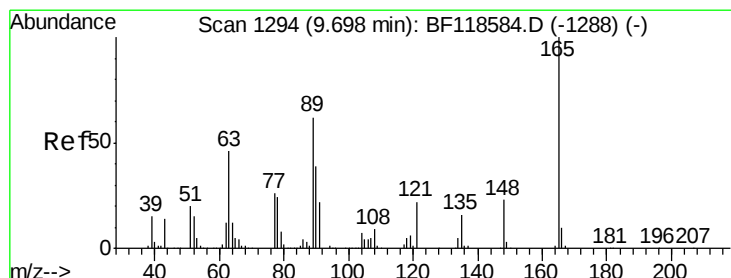
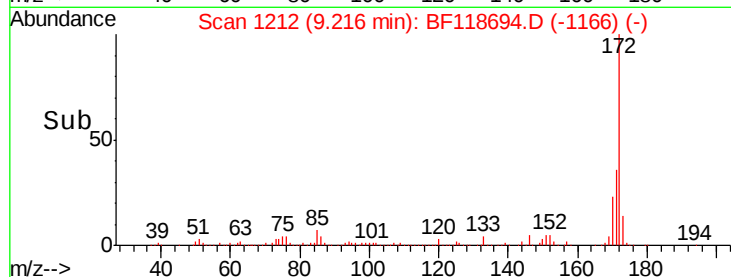
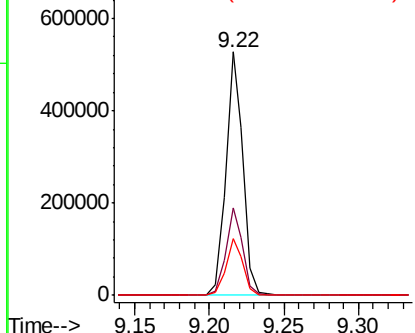
#45
 2-Fluorobiphenyl
 Concen: 13.241 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.03 min
 Lab File: BF118694.D
 Acq: 24 Jan 2020 19:14

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-012320

Tgt Ion:172 Resp: 424883
 Ion Ratio Lower Upper
 172 100
 171 35.7 33.4 50.2
 170 23.2 23.2 34.8

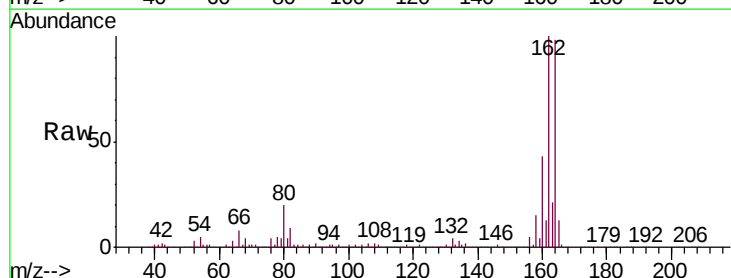


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

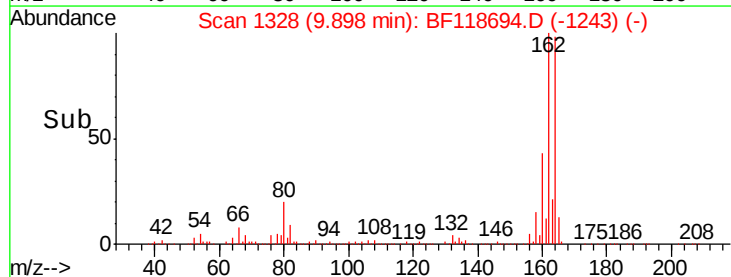
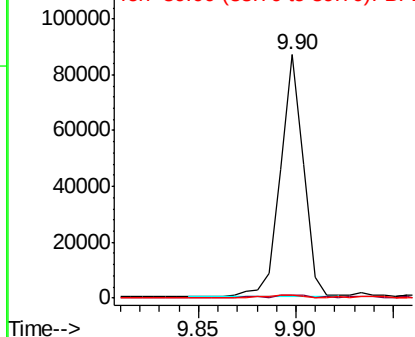


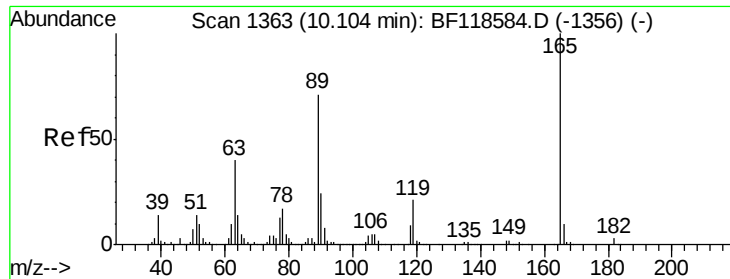
#51
 2,6-Dinitrotoluene
 Concen: 9.231 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.20 min
 Lab File: BF118694.D
 Acq: 24 Jan 2020 19:14

Tgt Ion:165 Resp: 71023
 Ion Ratio Lower Upper
 165 100
 63 1.3 48.9 73.3#
 89 1.5 49.8 74.6#



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





#57

2,4-Dinitrotoluene

Concen: 7.347 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.21 min

Lab File: BF118694.D

Acq: 24 Jan 2020 19:14

Instrument :

BNA_F

ClientSampleId :

SU-04-012320

Tgt Ion:165 Resp: 71259

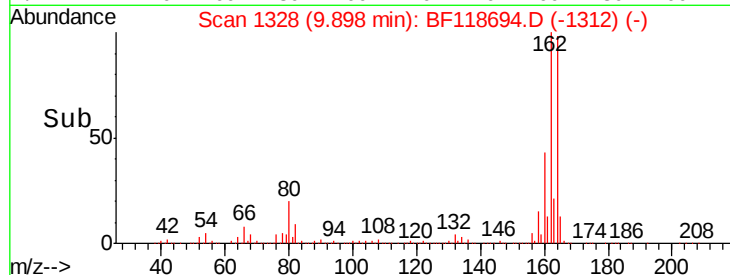
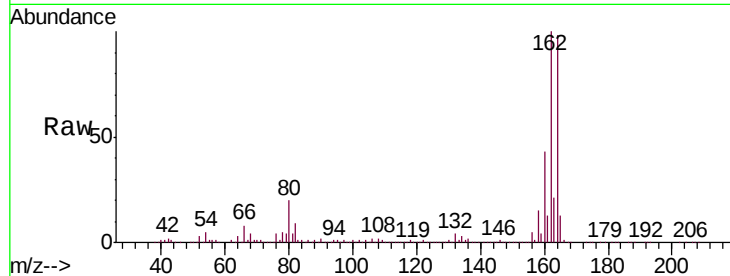
Ion Ratio Lower Upper

165 100

63 1.3 32.4 48.6#

89 1.5 56.4 84.6#

182 0.8 2.3 3.5#

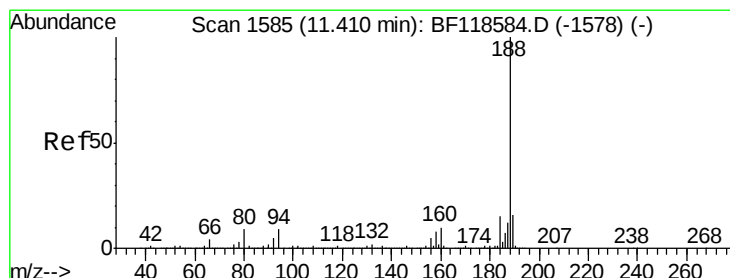
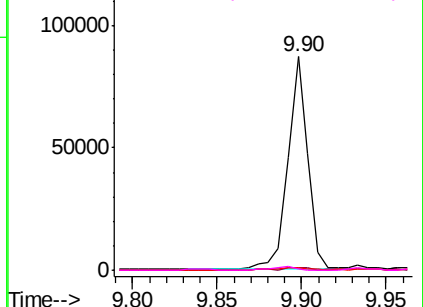


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.03 min

Lab File: BF118694.D

Acq: 24 Jan 2020 19:14

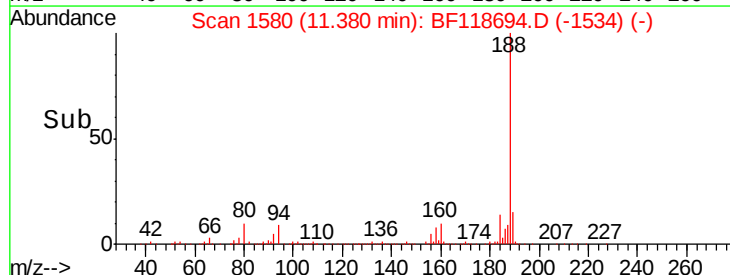
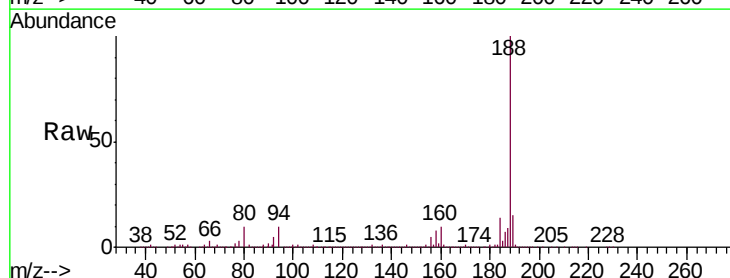
Tgt Ion:188 Resp: 863717

Ion Ratio Lower Upper

188 100

94 9.5 7.1 10.7

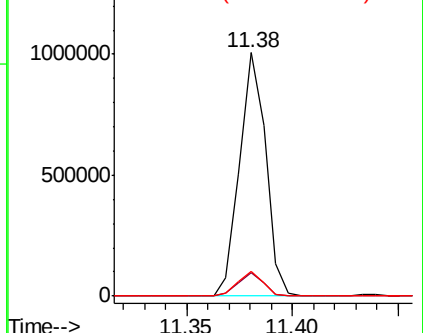
80 10.2 7.5 11.3

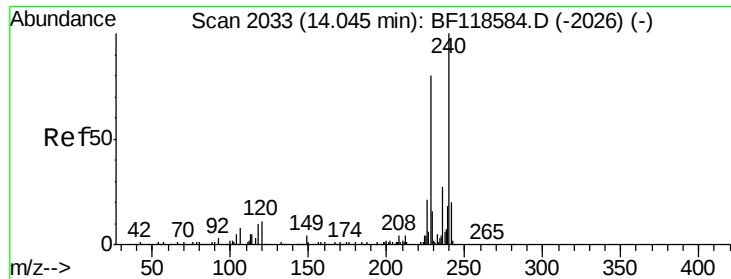


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

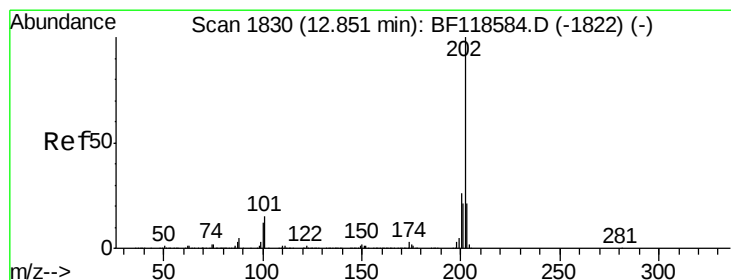
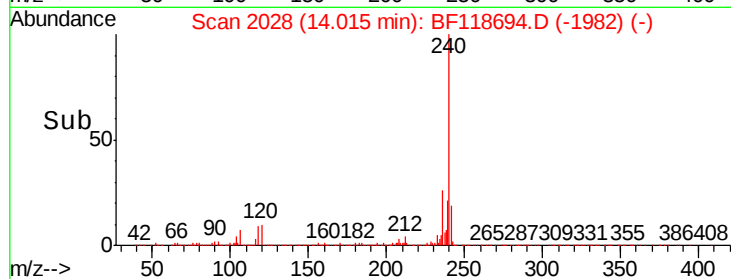
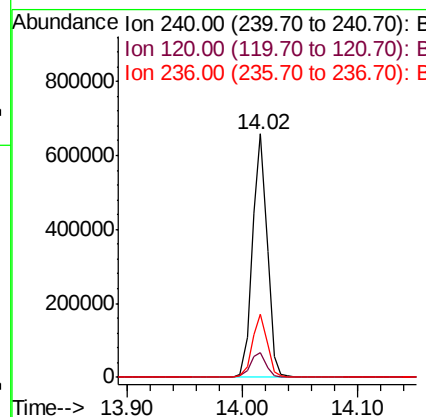
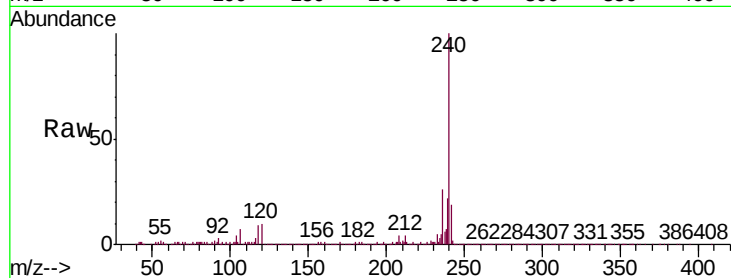




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.03 min
Lab File: BF118694.D
Acq: 24 Jan 2020 19:14

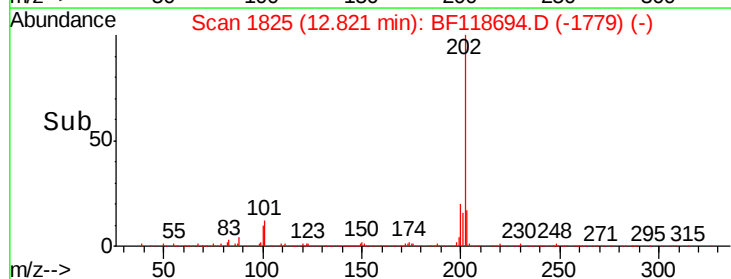
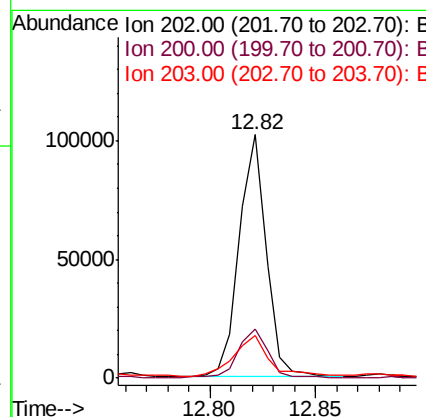
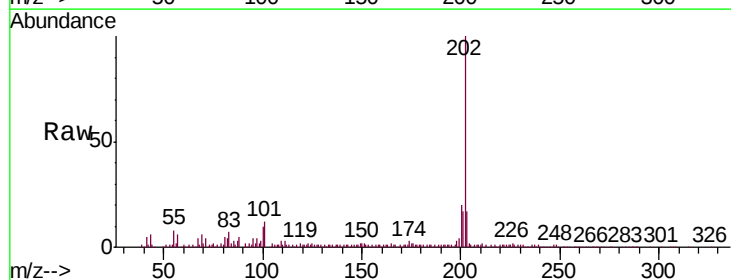
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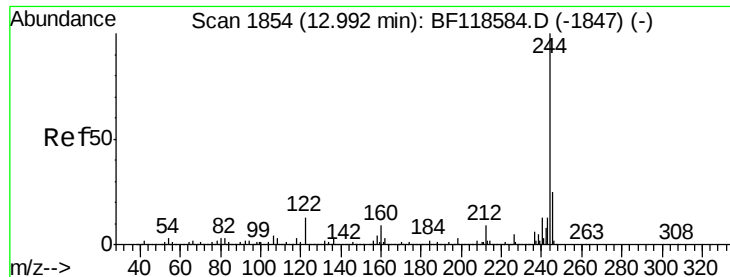
Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.9	13.3
236	25.9	21.5	32.3



#78
Pyrene
Concen: 2.306 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.03 min
Lab File: BF118694.D
Acq: 24 Jan 2020 19:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	20.6	31.0#
203	17.3	16.8	25.2





#79

Terphenyl-d14

Concen: 14.475 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.03 min

Lab File: BF118694.D

Acq: 24 Jan 2020 19:14

Instrument :

BNA_F

ClientSampleId :

SU-04-012320

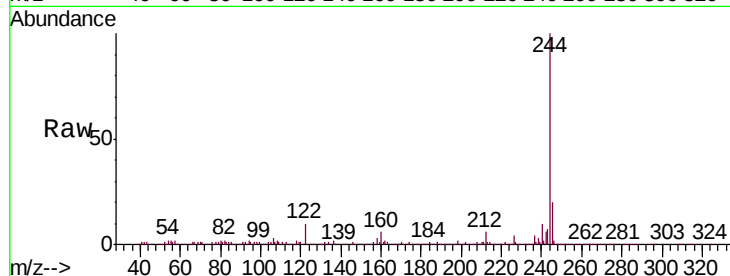
Tgt Ion:244 Resp: 380760

Ion Ratio Lower Upper

244 100

212 6.3 7.0 10.4#

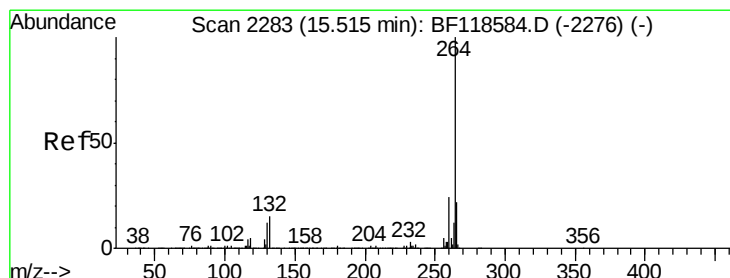
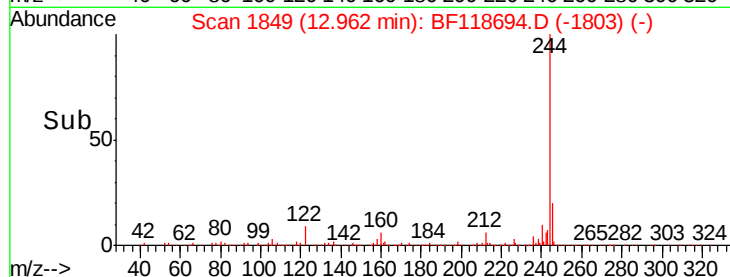
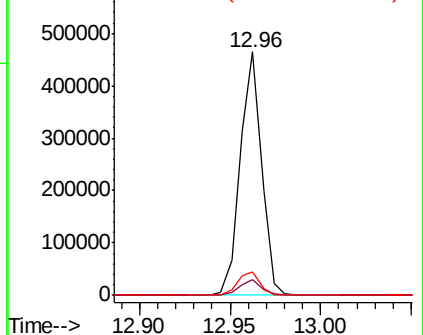
122 9.5 10.7 16.1#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.04 min

Lab File: BF118694.D

Acq: 24 Jan 2020 19:14

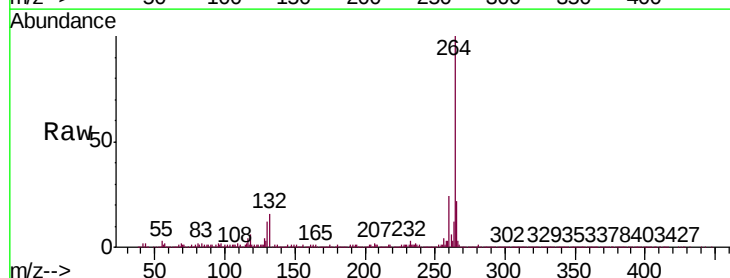
Tgt Ion:264 Resp: 715461

Ion Ratio Lower Upper

264 100

260 24.0 19.6 29.4

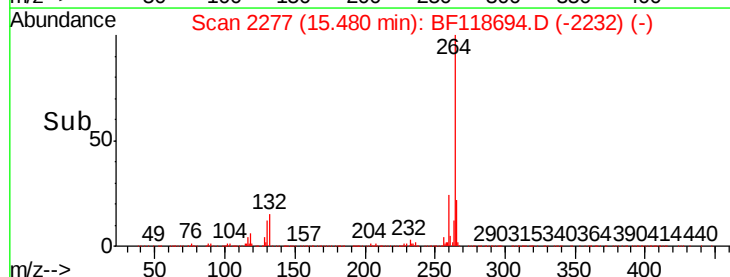
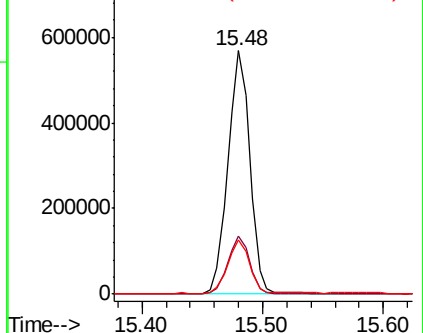
265 22.1 17.7 26.5

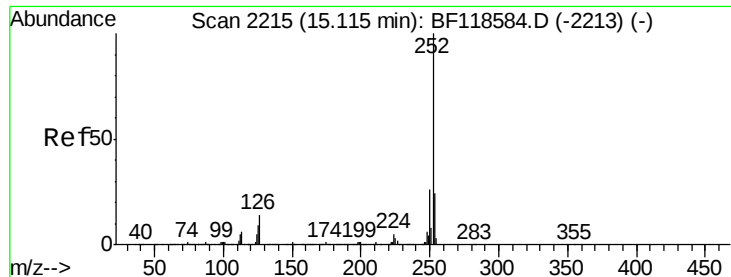


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(k)fluoranthene

Concen: 2.118 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.06 min

Lab File: BF118694.D

Acq: 24 Jan 2020 19:14

Instrument :

BNA_F

ClientSampleId :

SU-04-012320

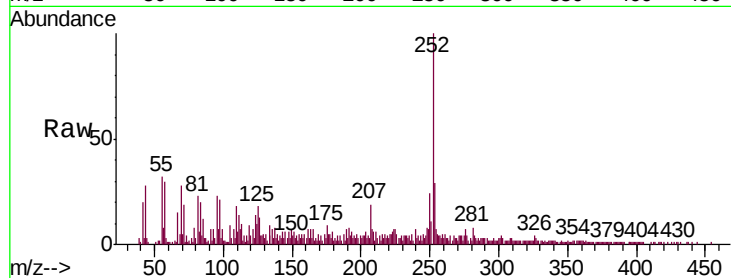
Tgt Ion:252 Resp: 88240

Ion Ratio Lower Upper

252 100

253 28.6 19.0 28.4#

125 17.8 7.6 11.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

