

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071119\
 Data File : BF115512.D
 Acq On : 11 Jul 2019 23:21
 Operator : HP/JU
 Sample : K3740-02 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 12 03:17:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 10 16:47:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	125652	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	520371	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	250823	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	443498	20.00	ng	0.00
76) Chrysene-d12	14.06	240	360629	20.00	ng	-0.01
87) Perylene-d12	15.54	264	359555	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	224189	27.57	ng	-0.01
7) Phenol-d6	6.51	99	316685	30.62	ng	-0.01
23) Nitrobenzene-d5	7.45	82	190968	21.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	61816	22.29	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	404587	28.30	ng	0.00
79) Terphenyl-d14	13.00	244	397162	22.55	ng	-0.01

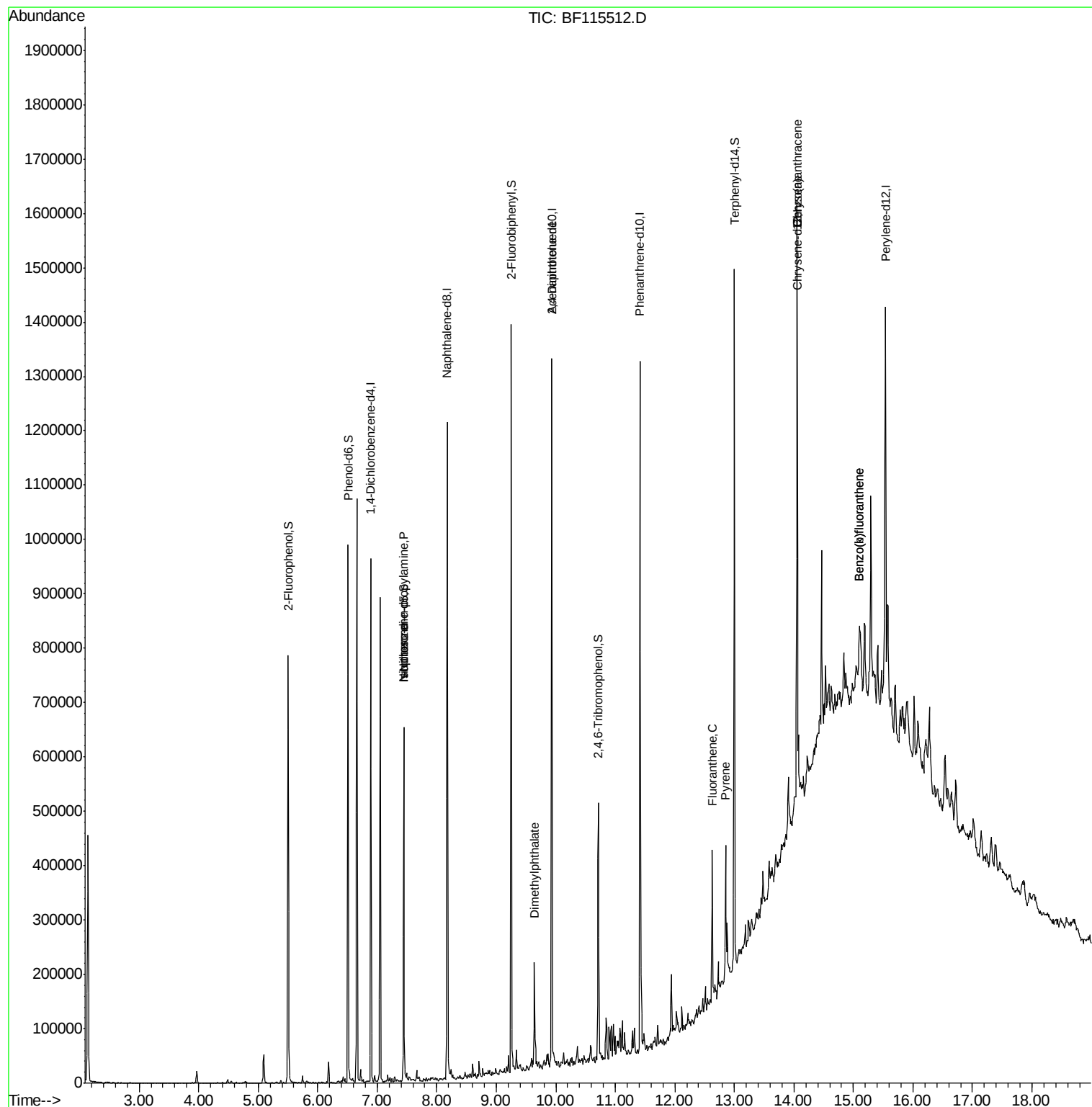
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	480	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.45	70	24726	3.534	ng	# 81
25) Isophorone	7.45	82	187763	9.836	ng	# 64
50) Dimethylphthalate	9.64	163	77589	4.121	ng	# 98
57) 2,4-Dinitrotoluene	9.93	165	33559	6.467	ng	# 24
75) Fluoranthene	12.63	202	102121	4.158	ng	# 97
78) Pyrene	12.86	202	98380	3.508	ng	# 98
81) Benzo(a)anthracene	14.04	228	49068	2.124	ng	# 96
83) Chrysene	14.04	228	49068	2.067	ng	# 96
86) Indeno(1,2,3-cd)pyrene	17.02	276	21459	Below Cal		# 92
88) Benzo(b)fluoranthene	15.10	252	80083	3.421	ng	# 77
89) Benzo(k)fluoranthene	15.10	252	80083	3.847	ng	# 77

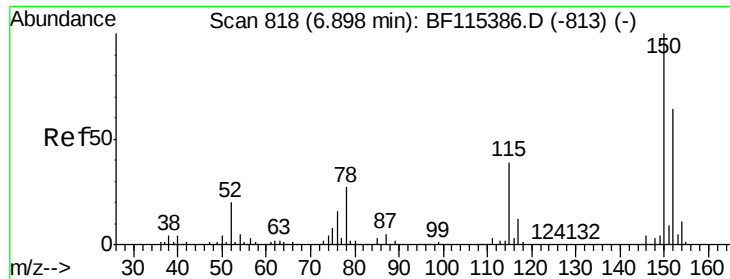
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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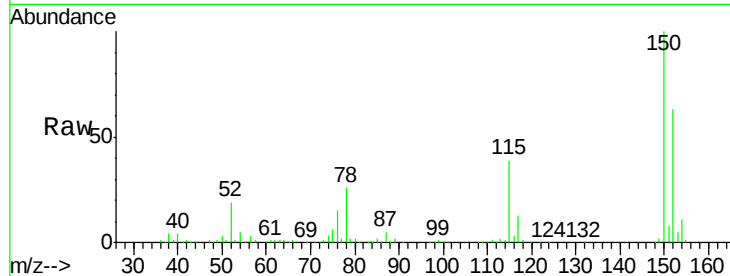


#1

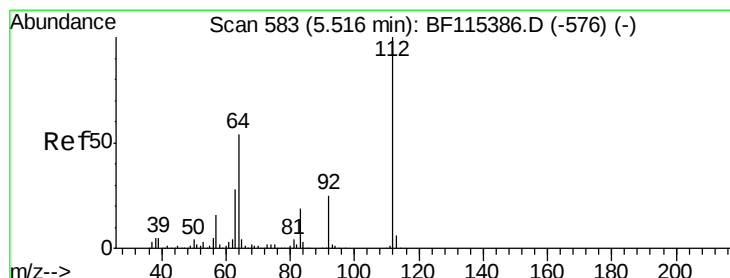
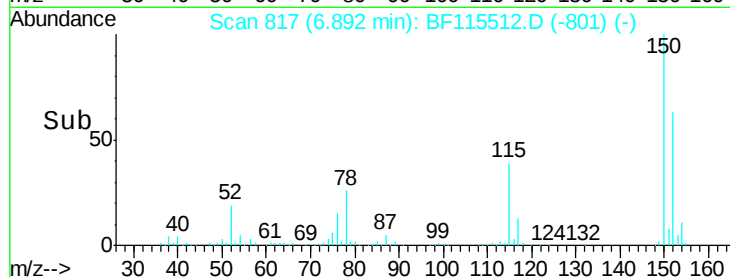
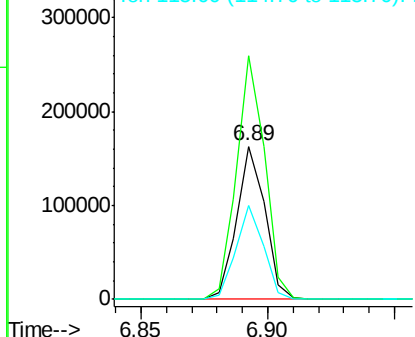
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	127.4	191.2
115	61.2	46.2	69.4



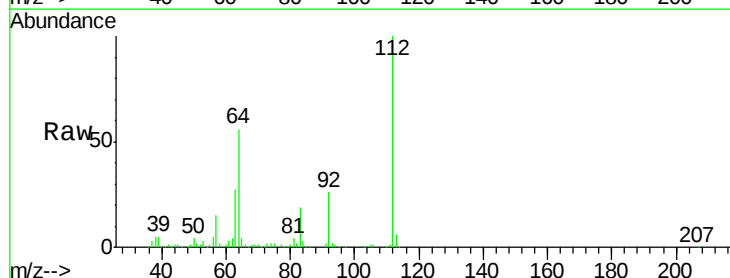
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



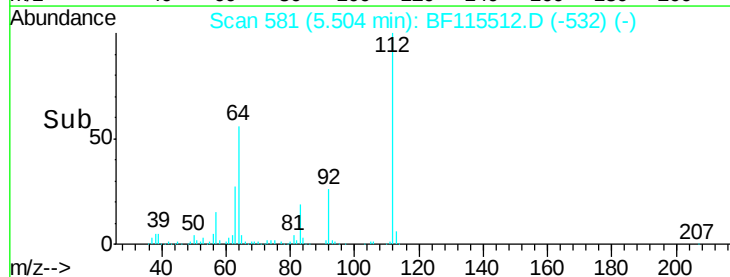
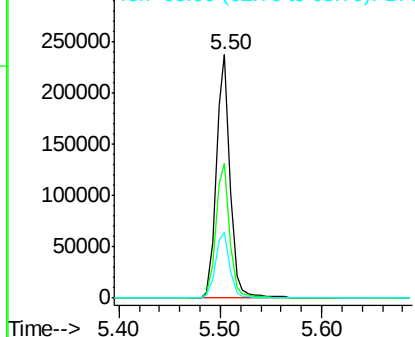
#5

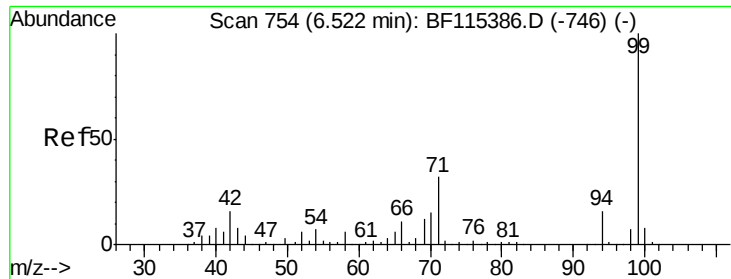
2-Fluorophenol
Concen: 27.567 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.01 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.2	66.2
63	27.2	22.1	33.1



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: 30.618 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115512.D

Acq: 11 Jul 2019 23:21

Instrument :

BNA_F

ClientSampled :

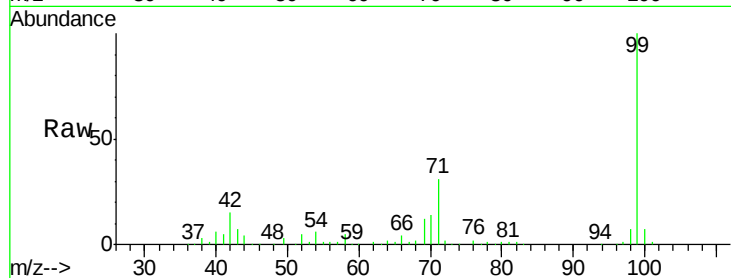
Tot Ion: 99 Resp: 316685

Ion Ratio Lower Upper

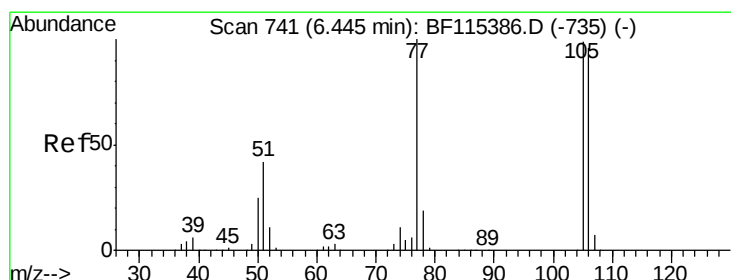
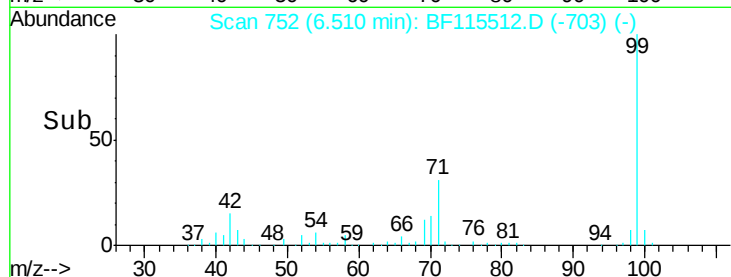
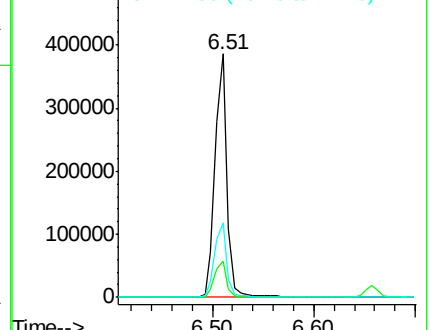
99 100

42 14.7 12.8 19.2

71 30.6 26.5 39.7



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF115512.D

Acq: 11 Jul 2019 23:21

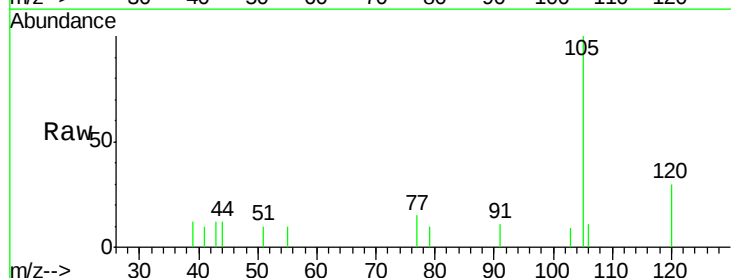
Tgt Ion: 77 Resp: 480

Ion Ratio Lower Upper

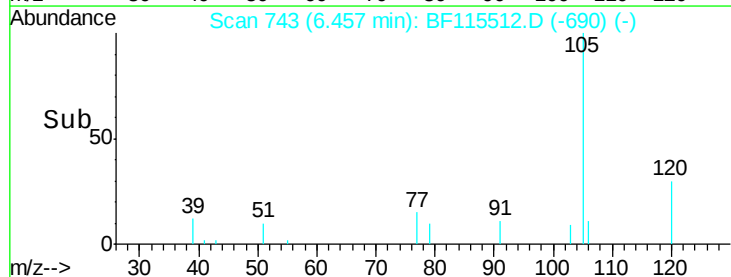
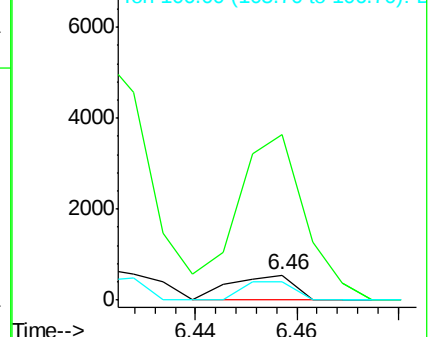
77 100

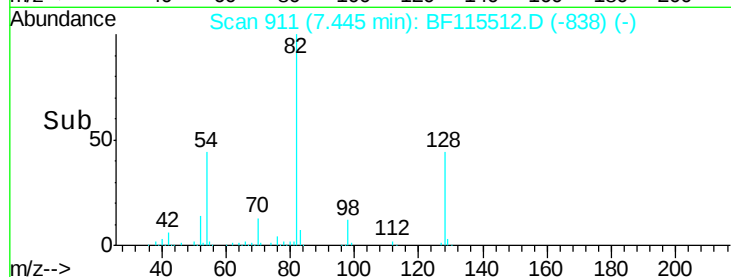
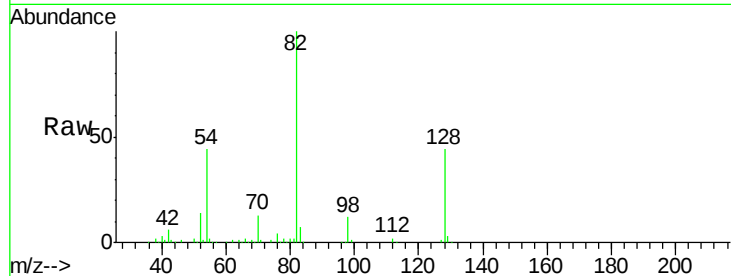
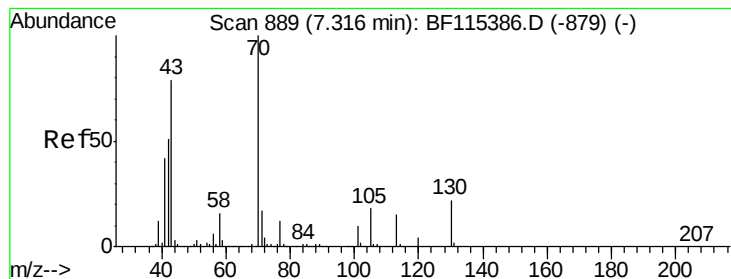
105 657.6 82.9 122.9#

106 70.6 77.8 117.8#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 3.534 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.13 min

Lab File: BF115512.D

Acq: 11 Jul 2019 23:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 24726

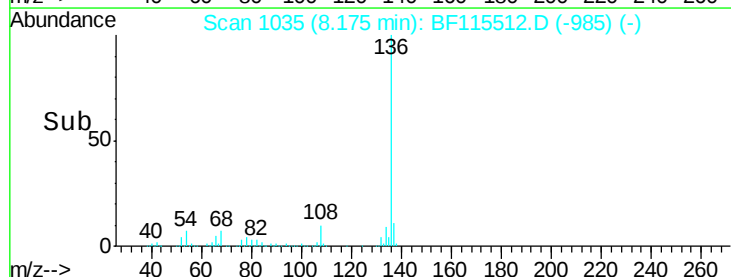
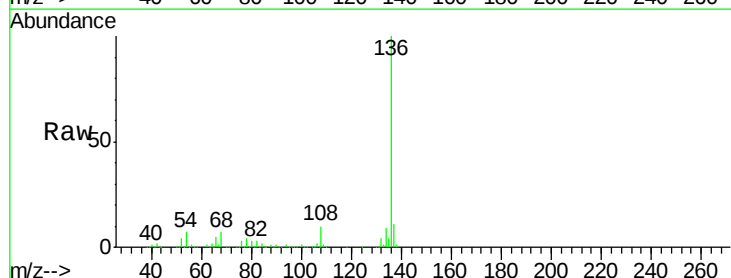
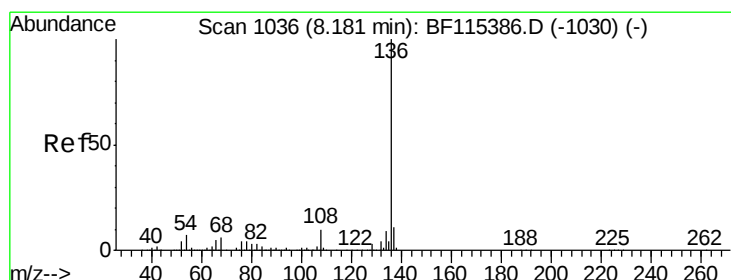
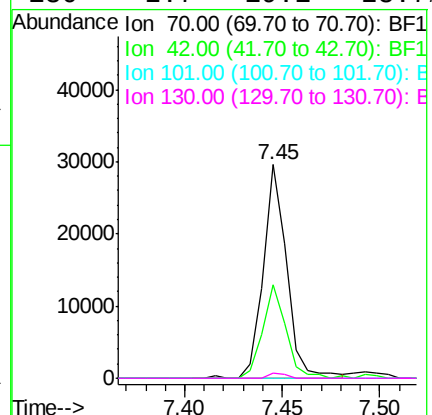
Ion Ratio Lower Upper

70 100

42 43.9 38.5 57.7

101 0.0 8.0 12.0#

130 2.7 19.1 28.7#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF115512.D

Acq: 11 Jul 2019 23:21

Tgt Ion: 136 Resp: 520371

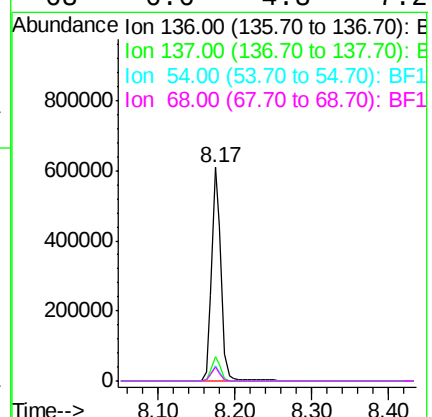
Ion Ratio Lower Upper

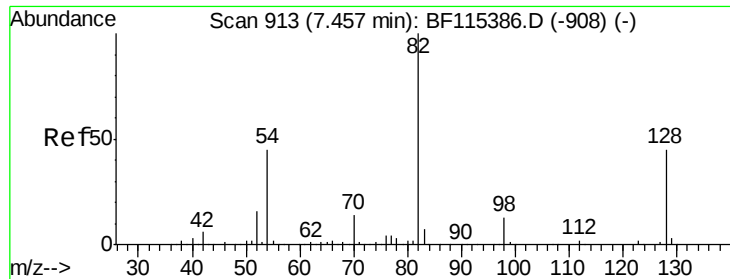
136 100

137 11.1 8.8 13.2

54 6.9 5.4 8.0

68 6.6 4.8 7.2

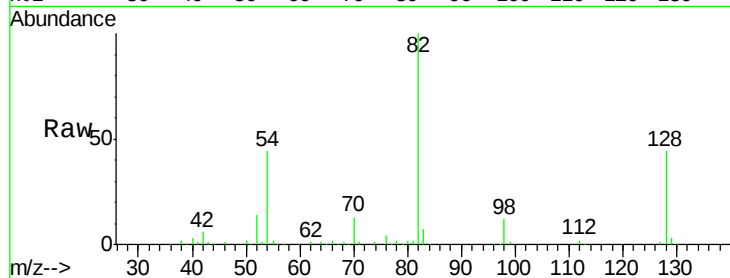




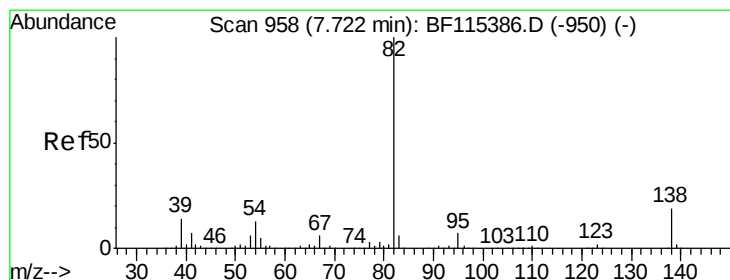
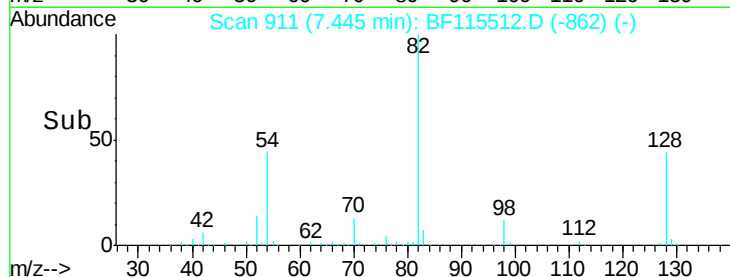
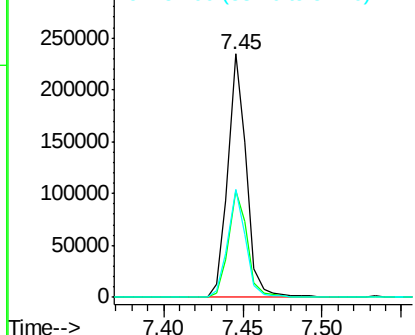
#23
 Nitrobenzene-d5
 Concen: 21.683 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF115512.D
 Acq: 11 Jul 2019 23:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 190968
 Ion Ratio Lower Upper
 82 100
 128 43.6 36.7 55.1
 54 44.2 35.6 53.4

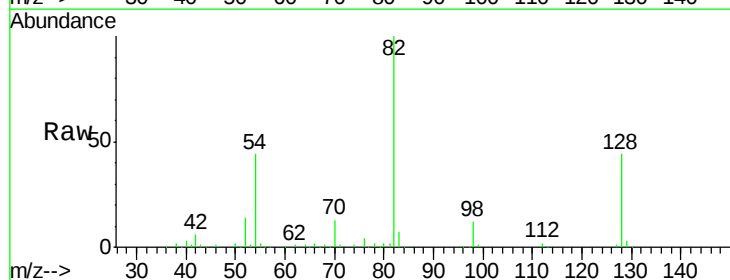


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

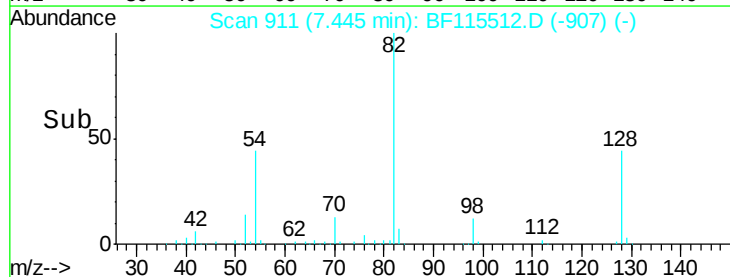
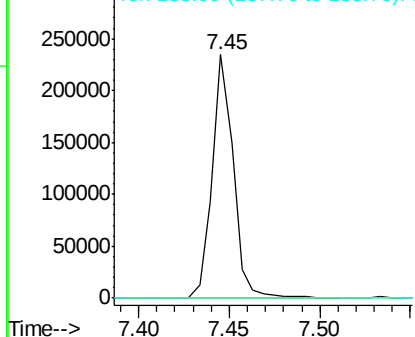


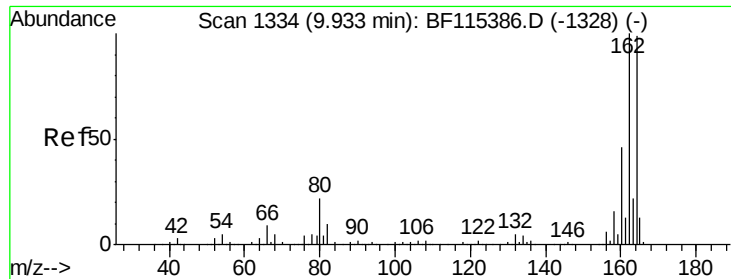
#25
 Isophorone
 Concen: 9.836 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.28 min
 Lab File: BF115512.D
 Acq: 11 Jul 2019 23:21

Tgt Ion: 82 Resp: 187763
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 15.1 22.7#



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

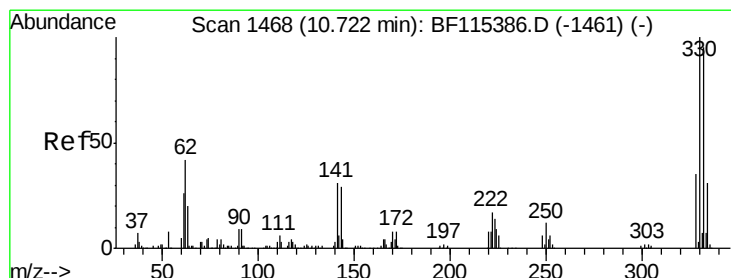
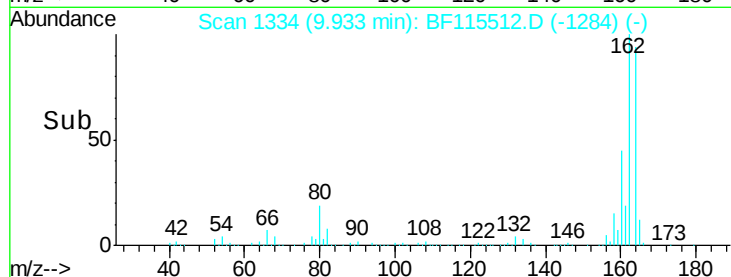
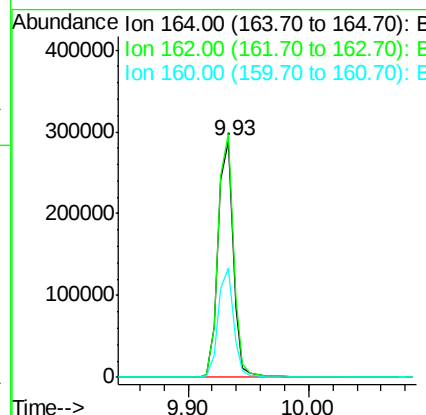
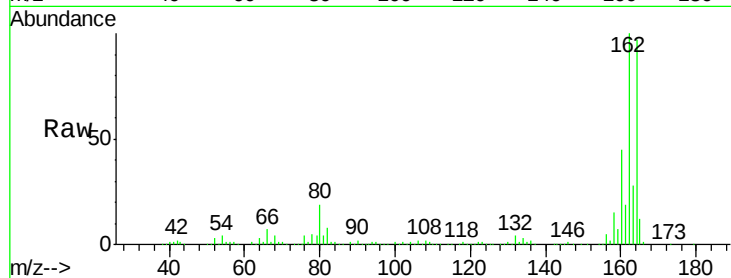




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BF115512.D
 Acq: 11 Jul 2019 23:21

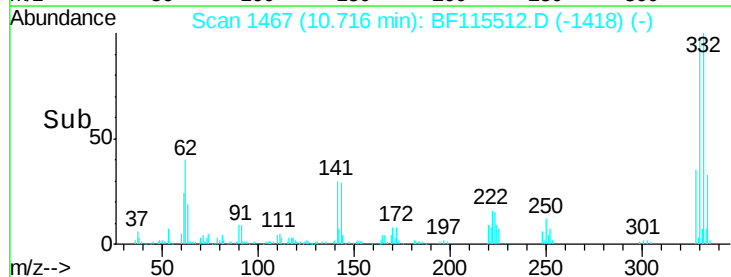
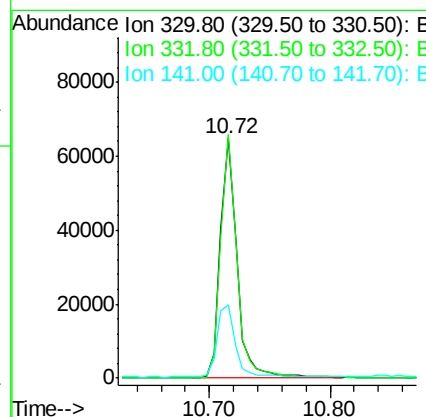
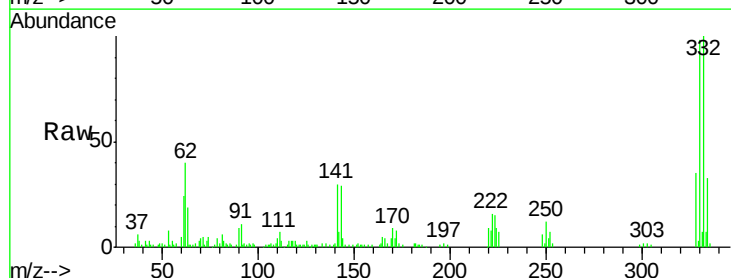
Instrument :
 BNA_F
 ClientSampleId :

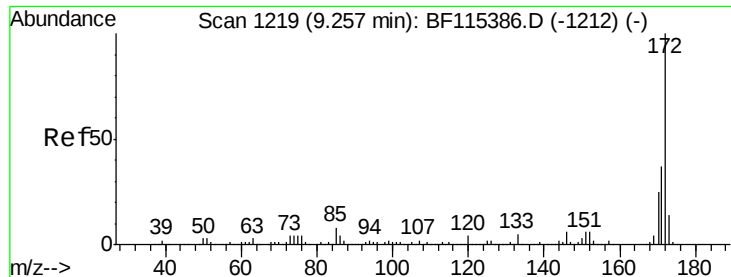
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.3	123.5
160	46.1	37.2	55.8



#42
 2,4,6-Tribromophenol
 Concen: 22.290 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF115512.D
 Acq: 11 Jul 2019 23:21

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.1	77.4	116.0
141	32.3	24.7	37.1

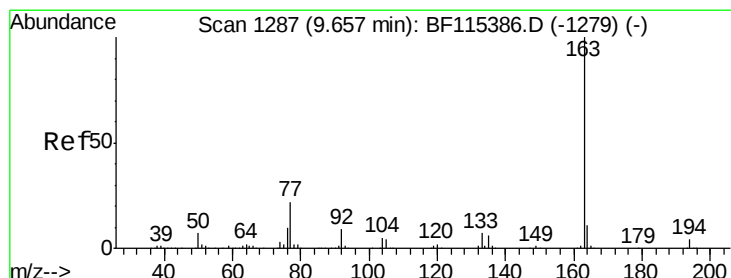
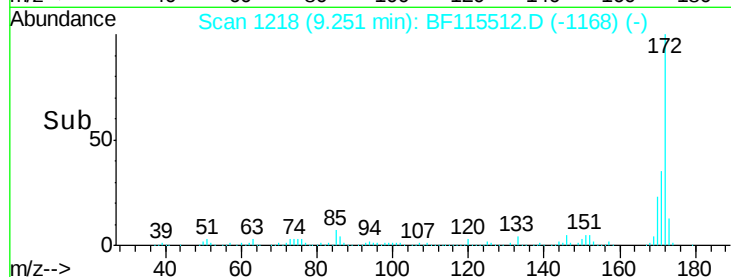
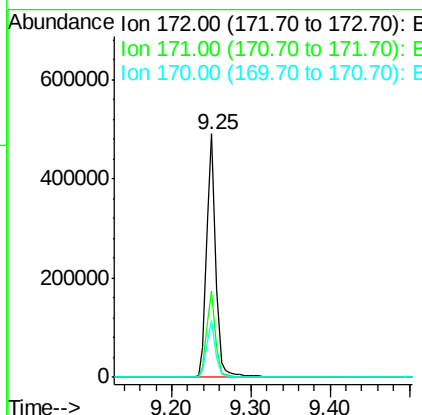
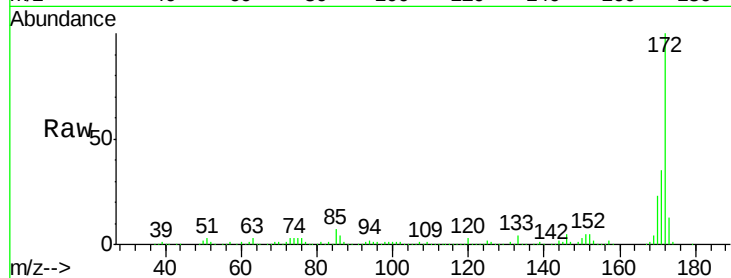




#45
2-Fluorobiphenyl
Concen: 28.305 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

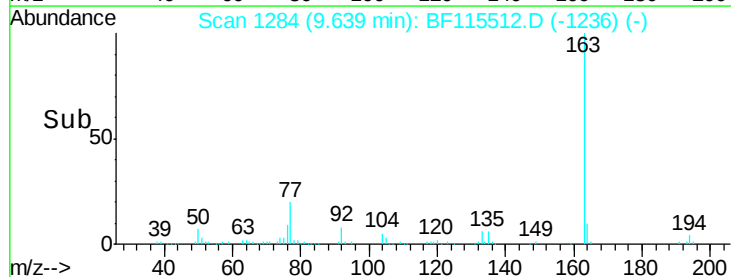
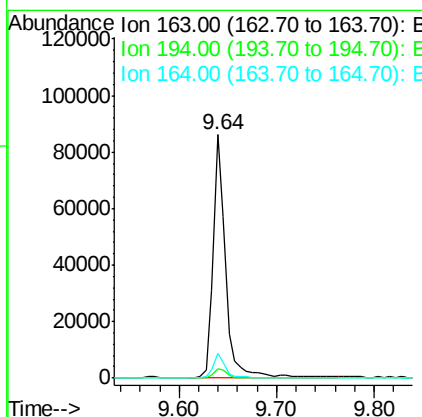
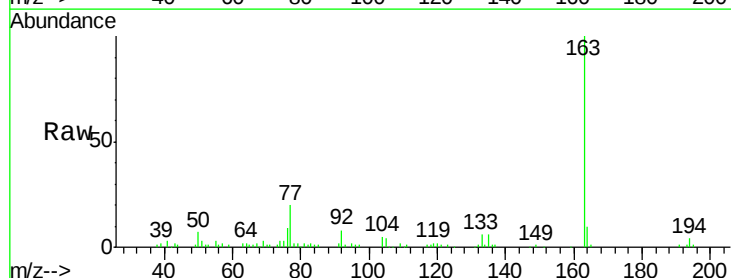
Instrument :
BNA_F
ClientSampleId :

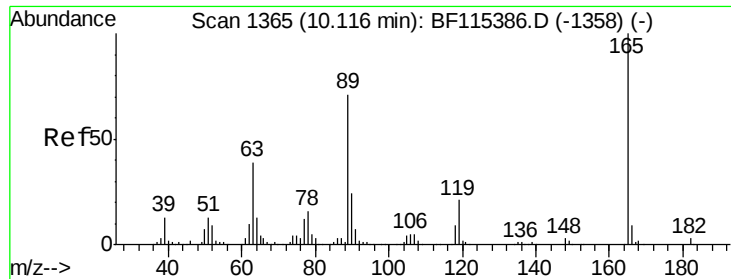
Tot Ion:172 Resp: 404587
Ion Ratio Lower Upper
172 100
171 35.3 29.8 44.8
170 23.3 20.0 30.0



#50
Dimethylphthalate
Concen: 4.121 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Tgt Ion:163 Resp: 77589
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.9 8.6 13.0

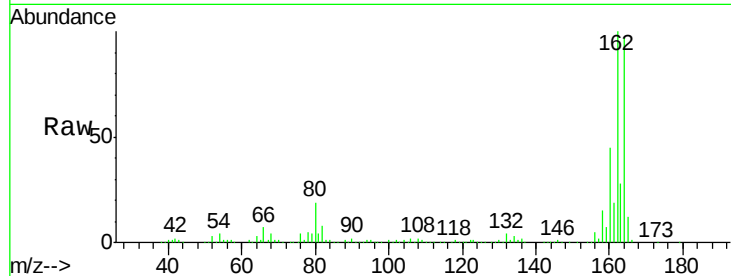




#57
 2,4-Dinitrotoluene
 Concen: 6.467 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF115512.D
 Acq: 11 Jul 2019 23:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	33.0	49.4#
89	1.5	58.5	87.7#
182	0.0	2.1	3.1#

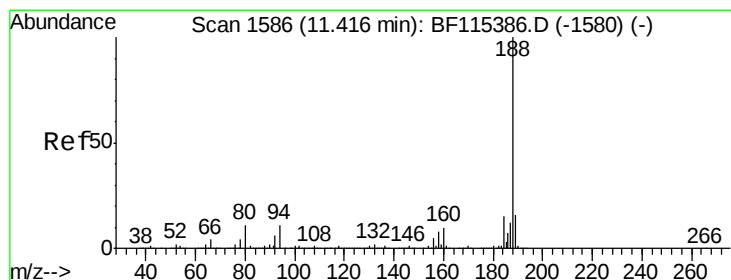
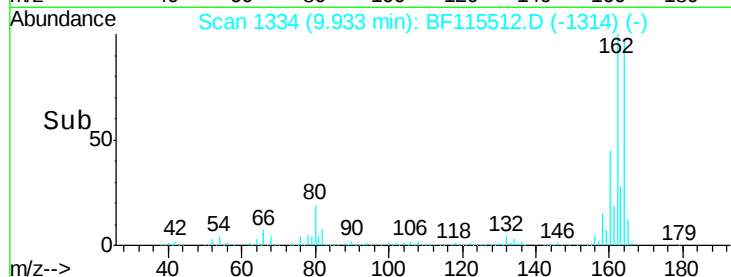
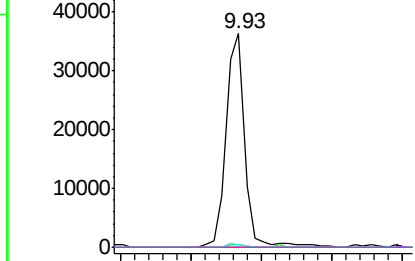


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

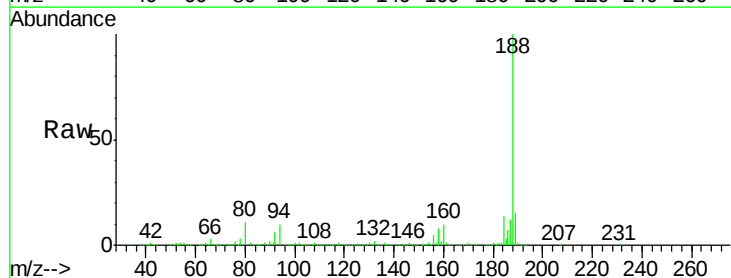
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF115512.D
 Acq: 11 Jul 2019 23:21

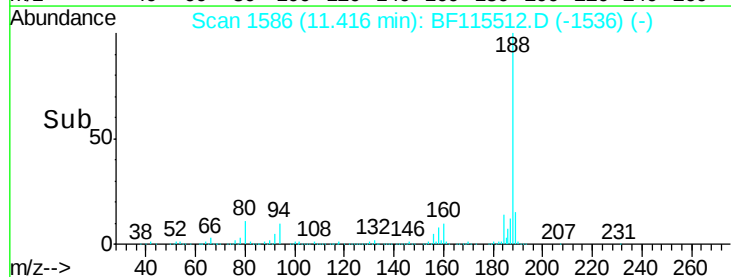
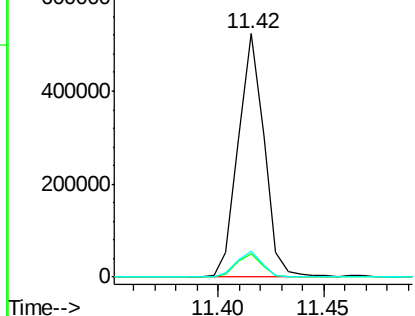
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.8	11.8
80	10.8	8.4	12.6

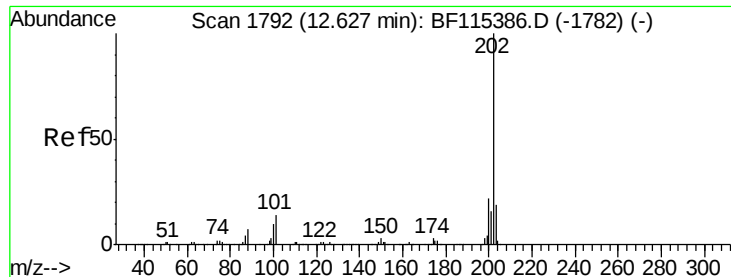


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 4.158 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF115512.D

Acq: 11 Jul 2019 23:21

Instrument :

BNA_F

ClientSampleId :

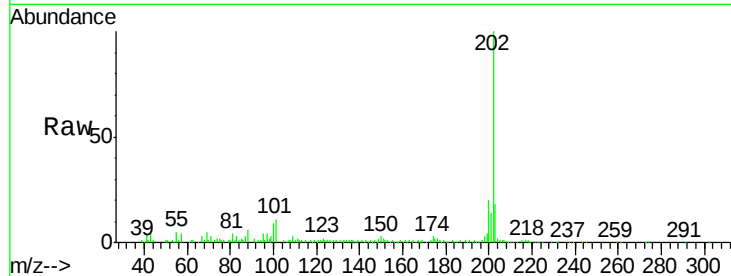
Tot Ion:202 Resp: 102121

Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.9

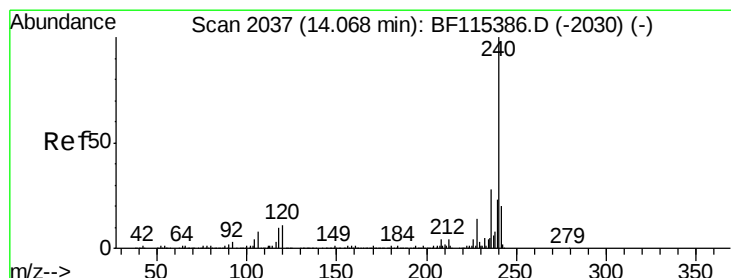
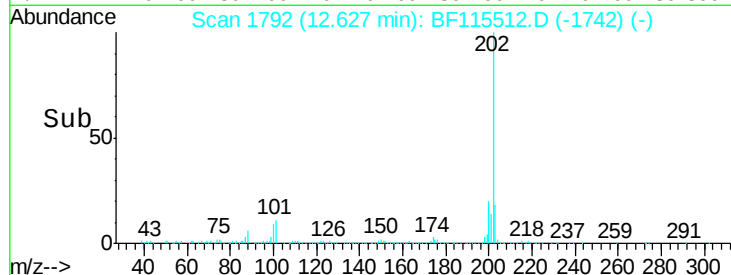
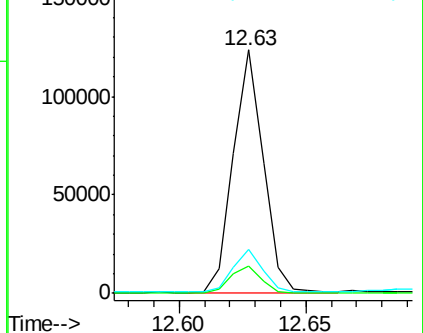
203 18.3 0.0 38.4



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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF115512.D

Acq: 11 Jul 2019 23:21

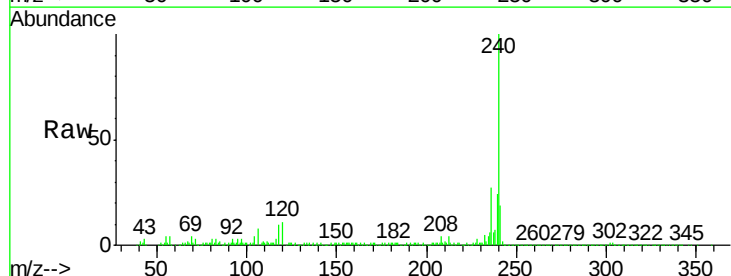
Tgt Ion:240 Resp: 360629

Ion Ratio Lower Upper

240 100

120 10.9 10.2 15.4

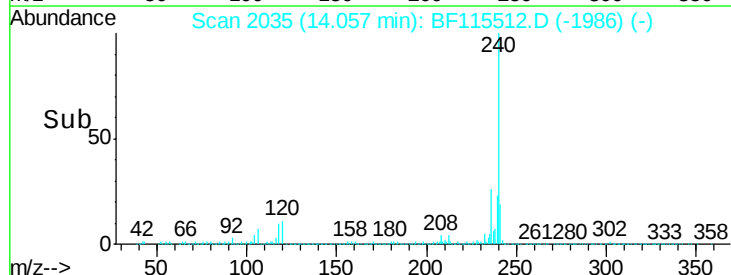
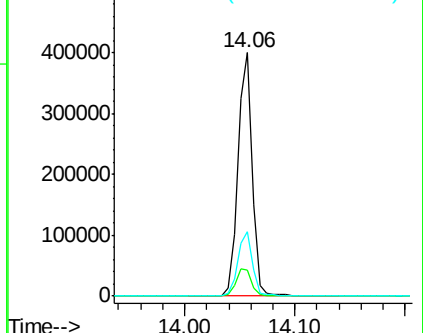
236 26.5 21.1 31.7

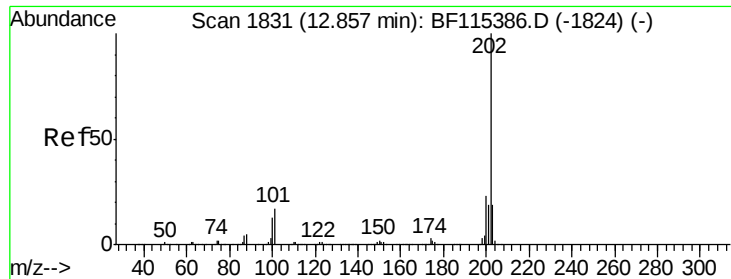


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

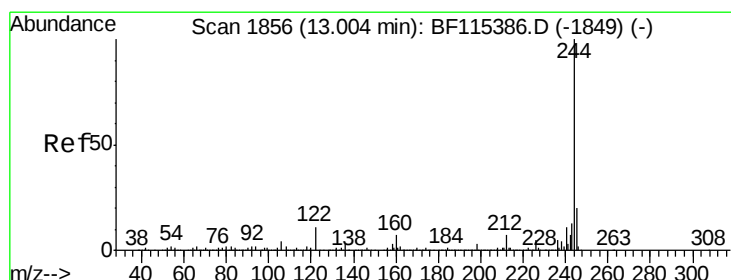
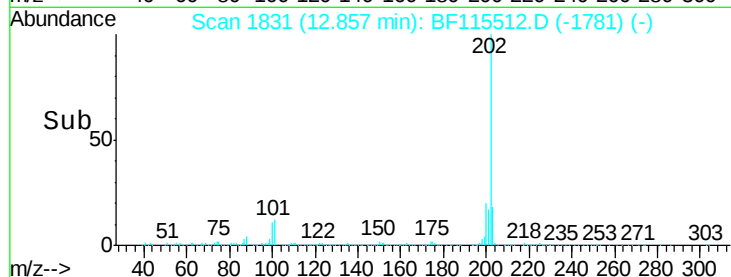
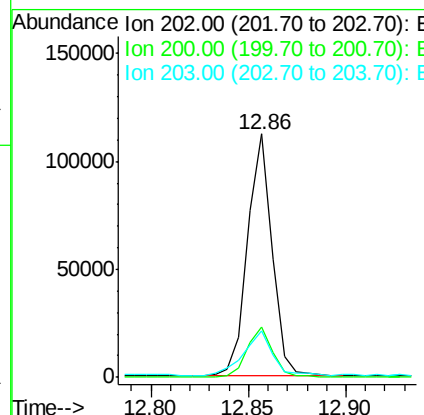
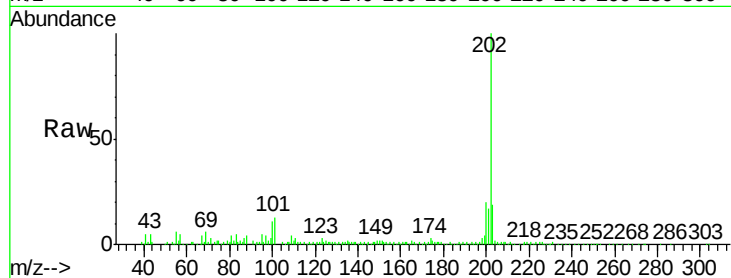




#78
Pvrene
Concen: 3.508 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

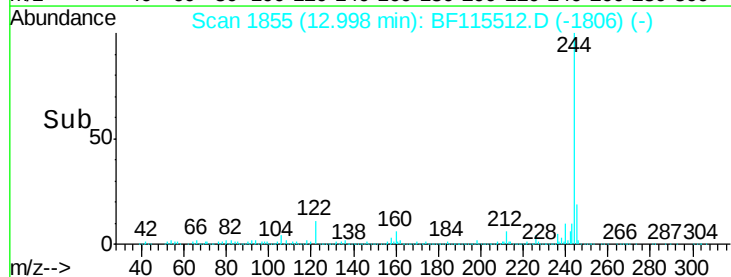
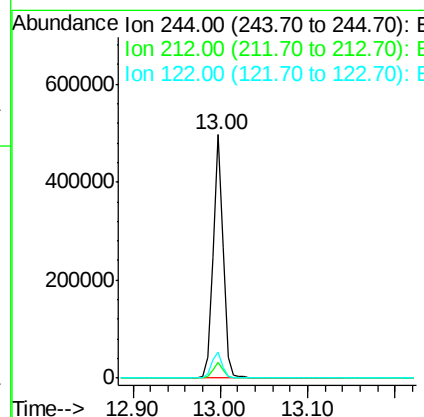
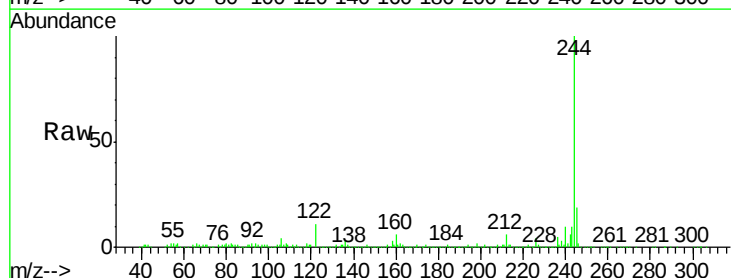
Instrument :
BNA_F
ClientSampleId :

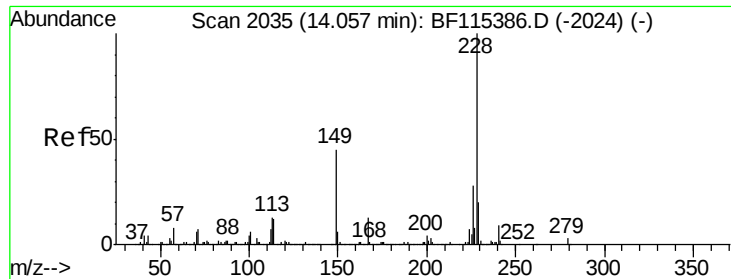
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	19.1	14.7	22.1



#79
Terphenyl-d14
Concen: 22.549 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	10.7	9.1	13.7

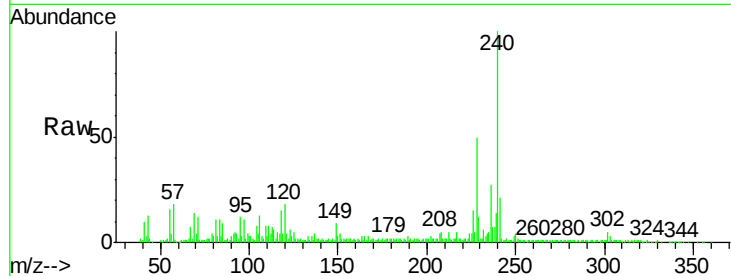




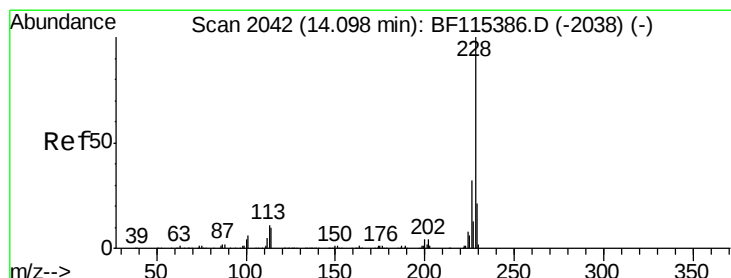
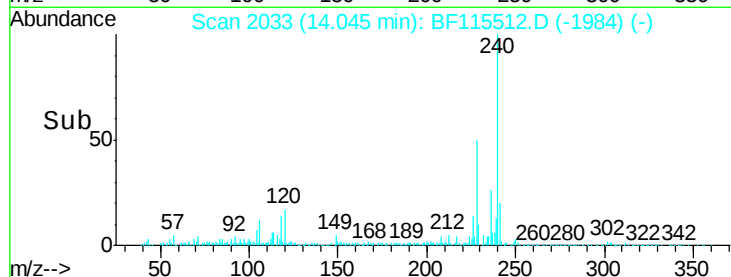
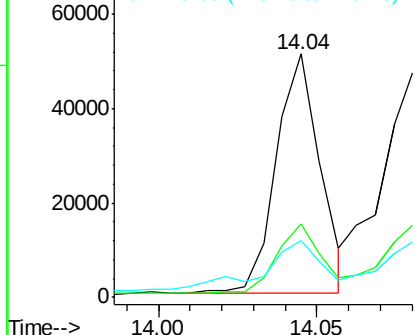
#81
Benzo(a)anthracene
Concen: 2.124 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	34.0
229	23.1	16.4	24.6

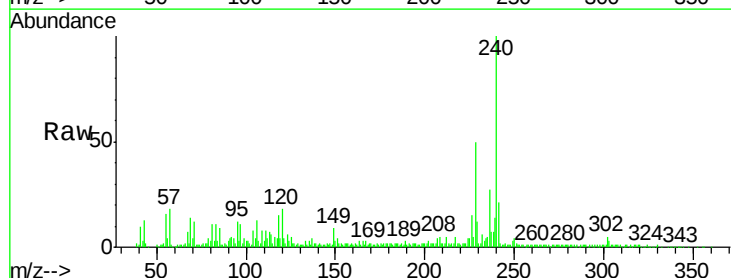


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

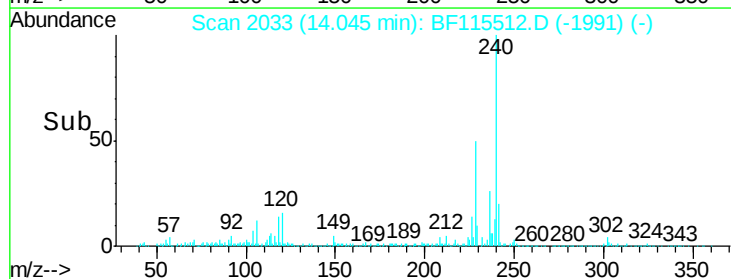
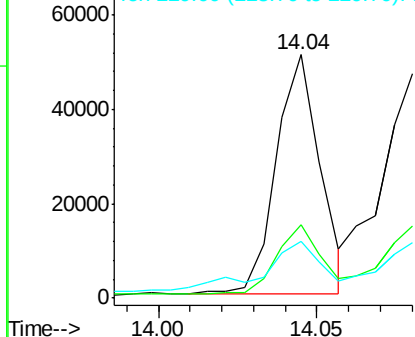


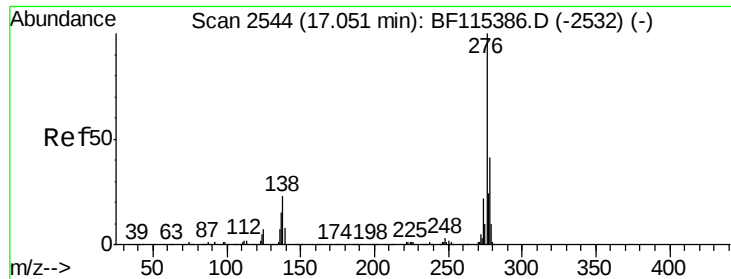
#83
Chrysene
Concen: 2.067 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.05 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.1	37.7
229	23.1	16.1	24.1



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

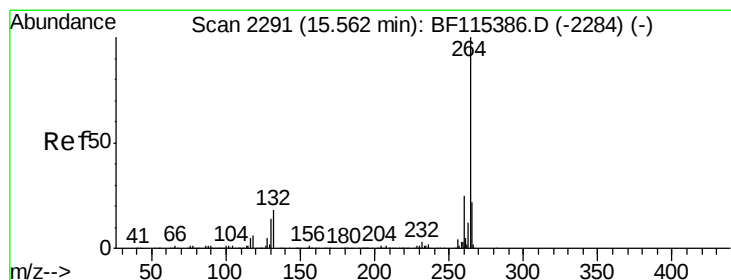
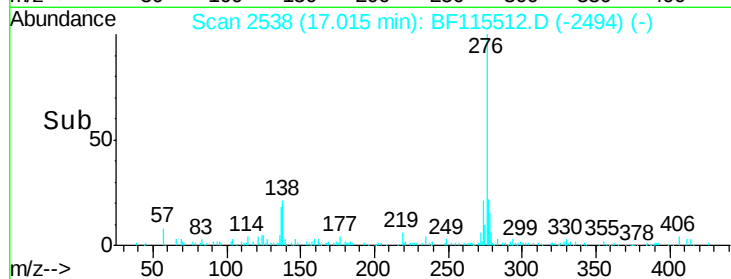
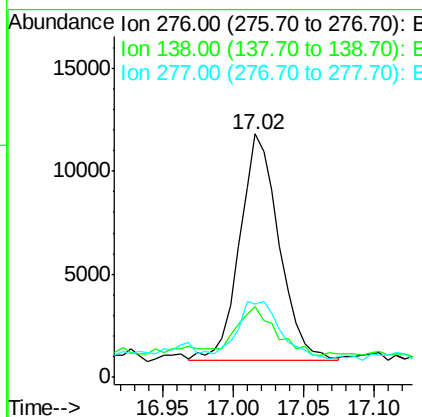
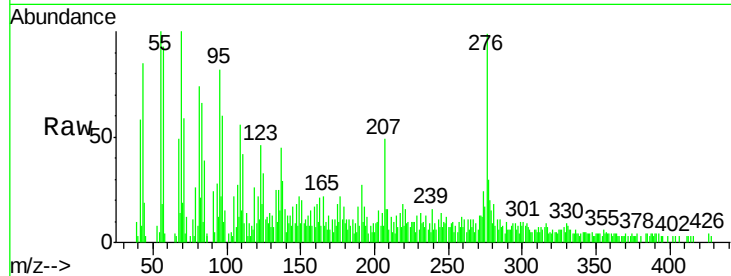




#86
 Indeno(1,2,3-cd)pyrene
 Concen: Below Cal
 RT: 17.02 min Scan# 2538
 Delta R.T. -0.04 min
 Lab File: BF115512.D
 Acq: 11 Jul 2019 23:21

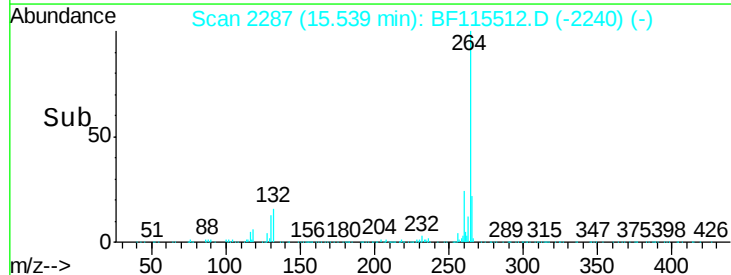
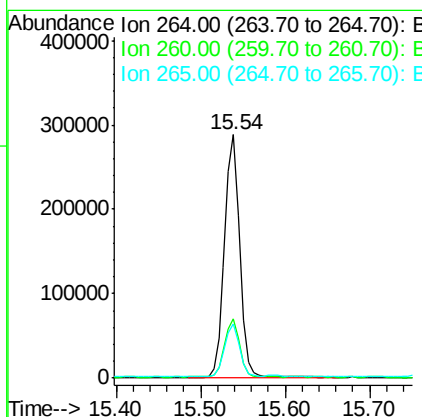
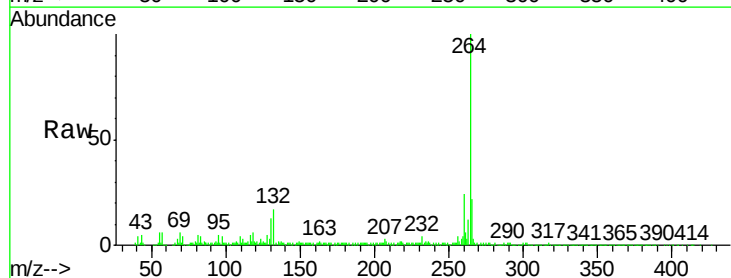
Instrument :
 BNA_F
 ClientSampleId :

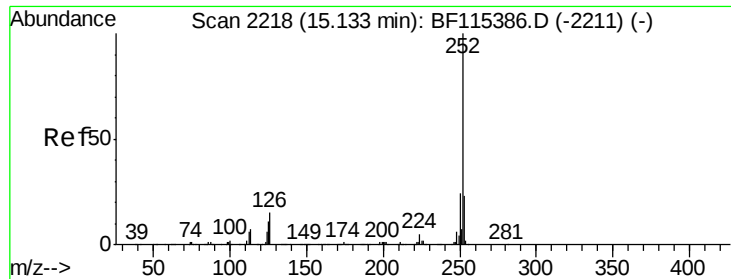
Tot Ion:276 Resp: 21459
 Ion Ratio Lower Upper
 276 100
 138 20.6 20.6 31.0#
 277 28.1 20.2 30.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. -0.02 min
 Lab File: BF115512.D
 Acq: 11 Jul 2019 23:21

Tgt Ion:264 Resp: 359555
 Ion Ratio Lower Upper
 264 100
 260 24.1 20.1 30.1
 265 22.0 17.8 26.6

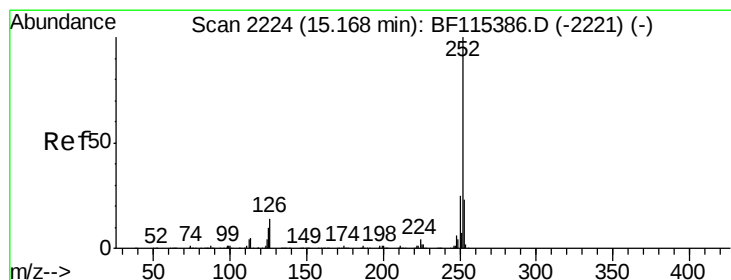
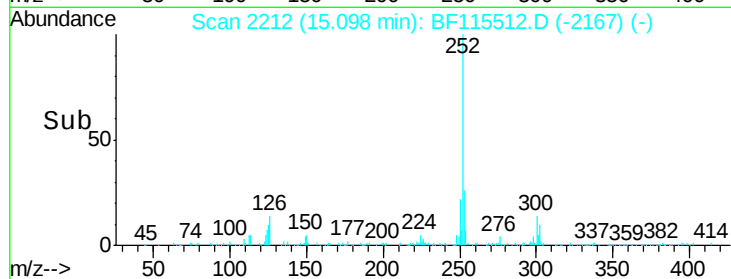
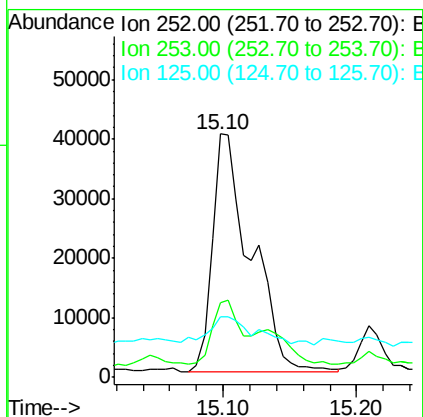
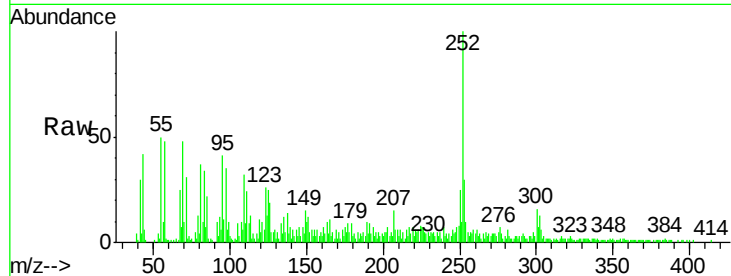




#88
Benzo(b)fluoranthene
Concen: 3.421 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.04 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 80083
Ion Ratio Lower Upper
252 100
253 30.5 18.0 27.0#
125 24.7 8.5 12.7#



#89
Benzo(k)fluoranthene
Concen: 3.847 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.06 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Tgt Ion:252 Resp: 80083
Ion Ratio Lower Upper
252 100
253 30.5 18.0 27.0#
125 24.7 8.6 13.0#

