

Data File : BF114748.D
Acq On : 1 Jun 2019 11:20
Operator : HP/JU
Sample : K3109-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-006

Quant Time: Jun 03 01:34:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	467264	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1739594	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	866353	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1622792	20.00	ng	0.00
76) Chrysene-d12	13.82	240	928743	20.00	ng	0.00
87) Perylene-d12	15.21	264	997882	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	37457	1.41	ng	0.00
7) Phenol-d6	6.32	99	829352	25.86	ng	-0.01
23) Nitrobenzene-d5	7.25	82	1884989	67.60	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	502	0.06	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	3262754	67.44	ng	0.00
79) Terphenyl-d14	12.78	244	3166551	64.10	ng	0.00

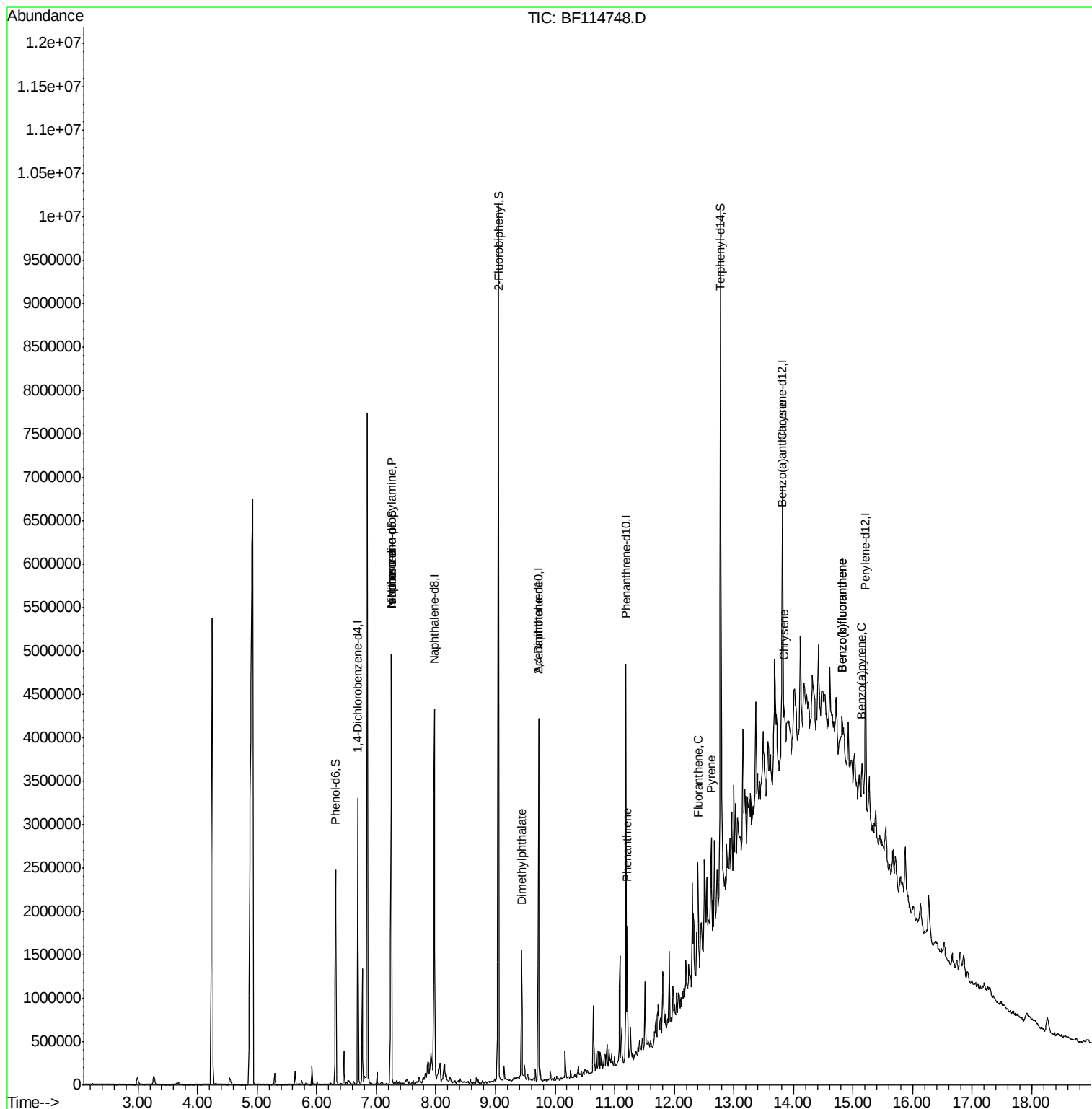
Target Compounds				Qvalue		
9) Benzaldehyde	6.23	77	3839	Below Cal	#	83
19) n-Nitroso-di-n-propylamine	7.25	70	264009	11.926 ng	#	75
25) Isophorone	7.25	82	1804723	32.252 ng	#	63
50) Dimethylphthalate	9.44	163	584995	9.690 ng		99
57) 2,4-Dinitrotoluene	9.72	165	114734	6.373 ng	#	24
58) Fluorene	10.26	166	28859	Below Cal		97
61) 4-Chlorophenyl-phenylether	10.10	204	107	Below Cal	#	27
69) Atrazine	10.93	200	122	Below Cal	#	22
71) Phenanthrene	11.22	178	509364	6.153 ng		95
74) Di-n-butylphthalate	11.76	149	11548	Below Cal	#	80
75) Fluoranthene	12.40	202	508992	5.938 ng		96
78) Pyrene	12.62	202	447396	5.695 ng		97
81) Benzo(a)anthracene	13.80	228	167153	2.342 ng		98
83) Chrysene	13.84	228	170406	2.499 ng		95
88) Benzo(b)fluoranthene	14.82	252	238349	3.792 ng	#	60
89) Benzo(k)fluoranthene	14.82	252	238349	4.363 ng	#	60
90) Benzo(a)pyrene	15.15	252	117555	2.129 ng	#	55

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

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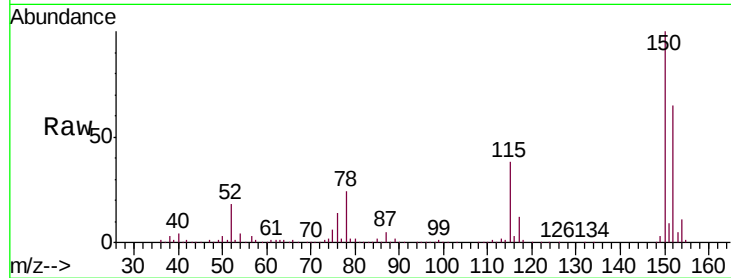


#1

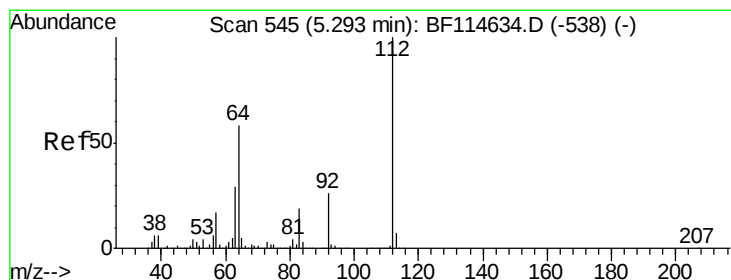
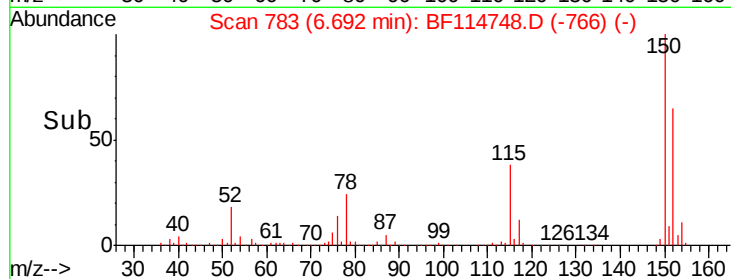
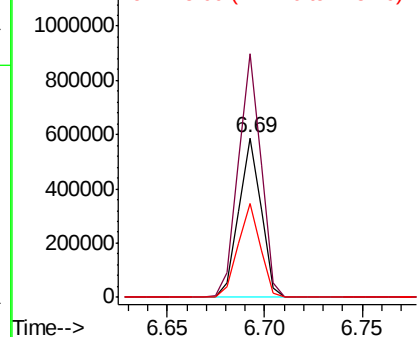
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF114748.D
 Acq: 1 Jun 2019 11:20

Instrument :
 BNA_F
 ClientSampleId :
 FK-0D015-03-006

Tgt Ion:152 Resp: 467264
 Ion Ratio Lower Upper
 152 100
 150 153.0 124.4 186.6
 115 58.8 48.7 73.1



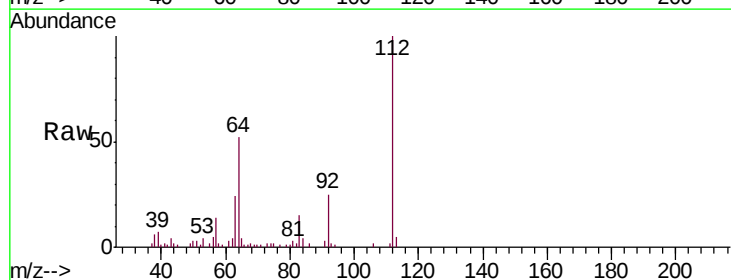
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



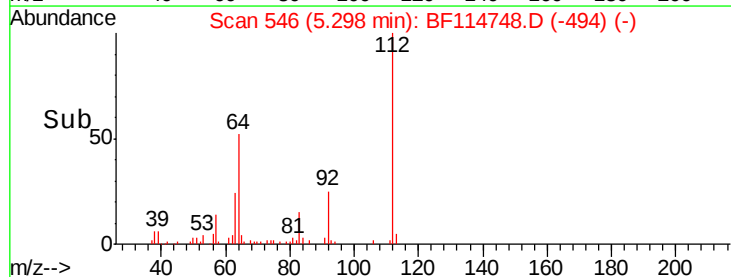
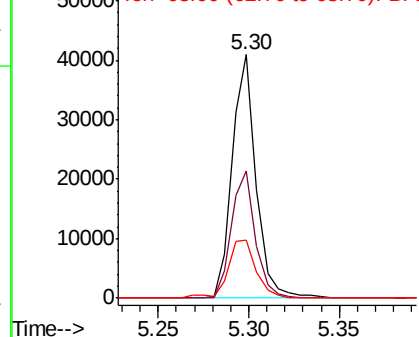
#5

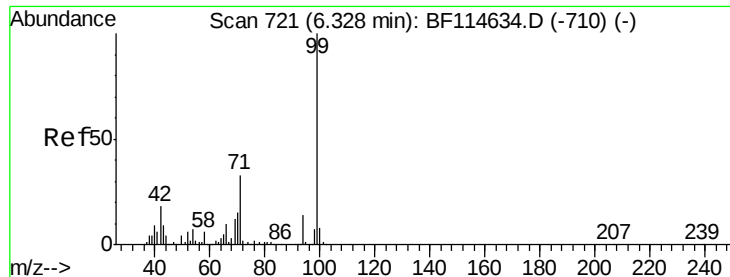
2-Fluorophenol
 Concen: 1.407 ng
 RT: 5.30 min Scan# 546
 Delta R.T. 0.01 min
 Lab File: BF114748.D
 Acq: 1 Jun 2019 11:20

Tgt Ion:112 Resp: 37457
 Ion Ratio Lower Upper
 112 100
 64 52.4 46.1 69.1
 63 23.6 23.4 35.2



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: 25.860 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF114748.D

Acq: 1 Jun 2019 11:20

Instrument :

BNA_F

ClientSampleId :

FK-0D015-03-006

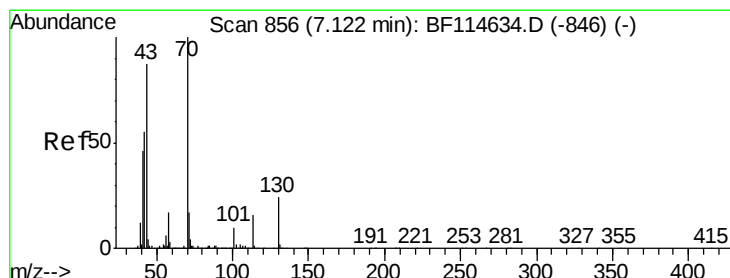
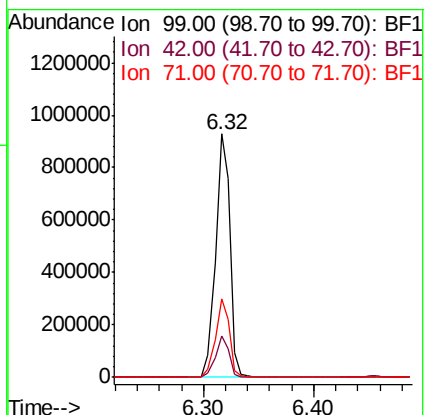
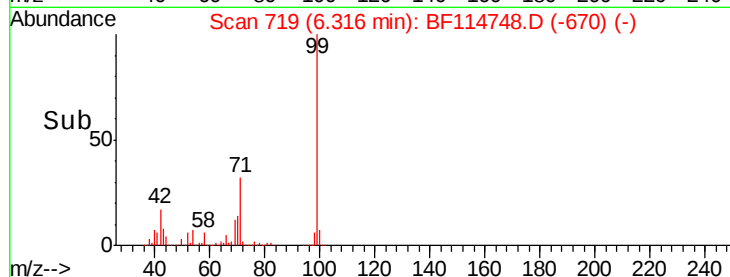
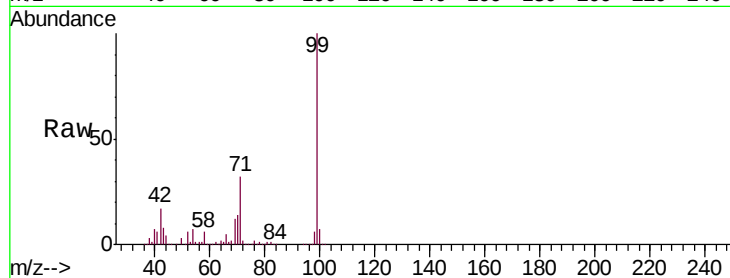
Tgt Ion: 99 Resp: 829352

Ion Ratio Lower Upper

99 100

42 17.0 14.7 22.1

71 32.3 26.6 40.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.926 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.13 min

Lab File: BF114748.D

Acq: 1 Jun 2019 11:20

Tgt Ion: 70 Resp: 264009

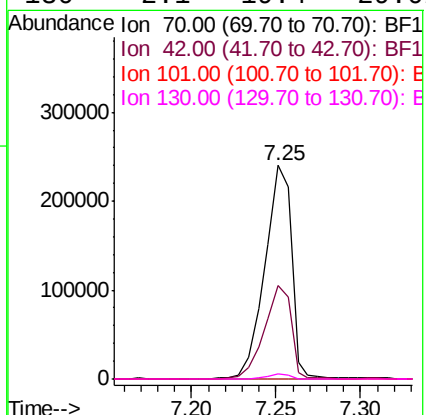
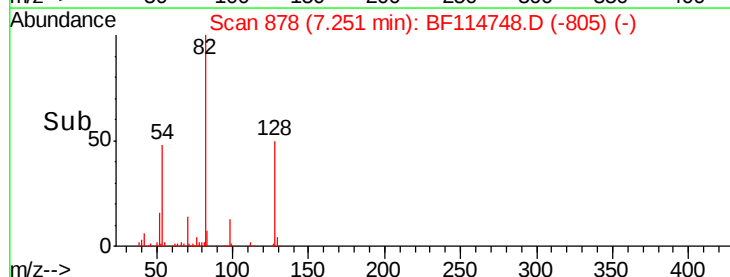
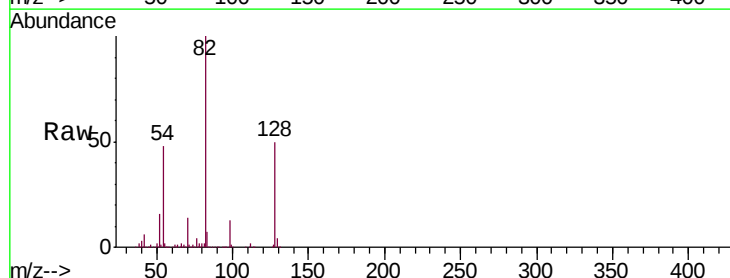
Ion Ratio Lower Upper

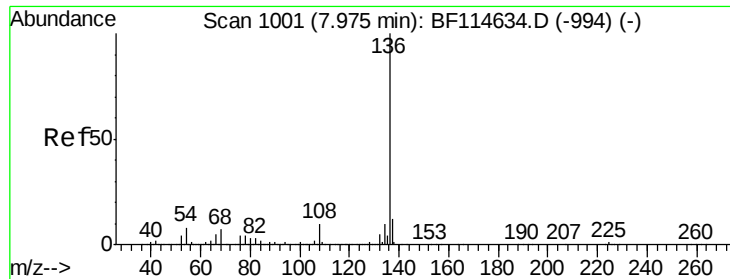
70 100

42 44.0 44.4 66.6#

101 0.0 8.2 12.4#

130 2.1 19.4 29.0#

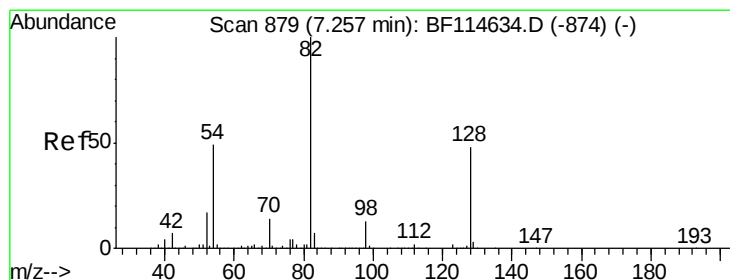
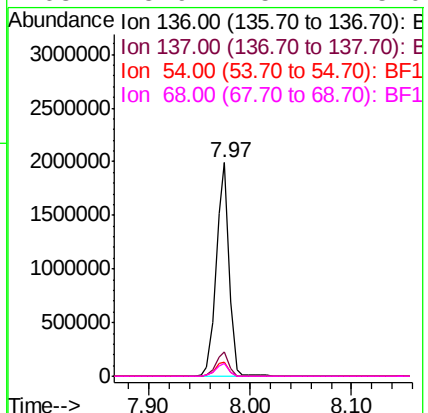
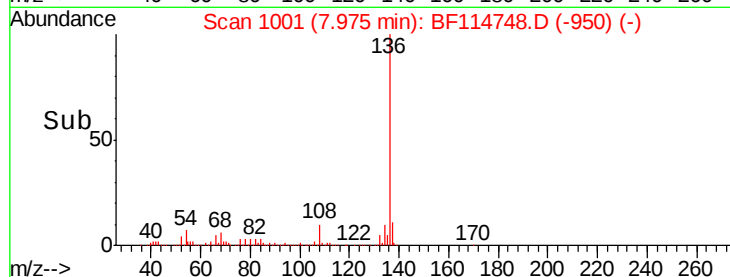
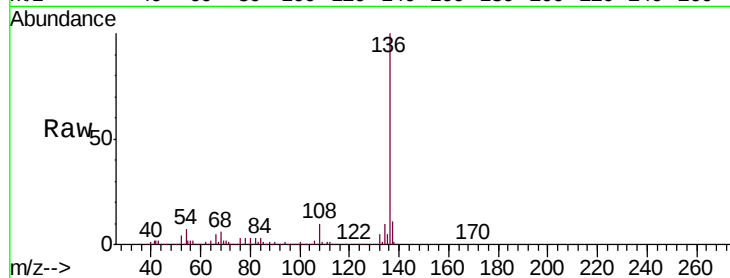




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF114748.D
Acq: 1 Jun 2019 11:20

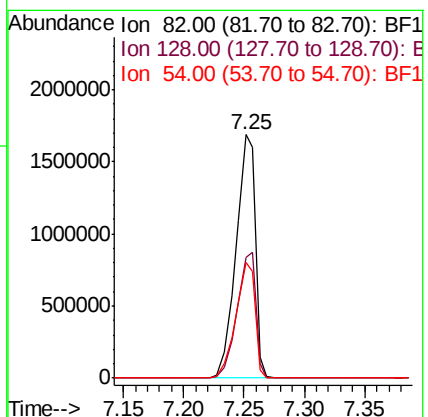
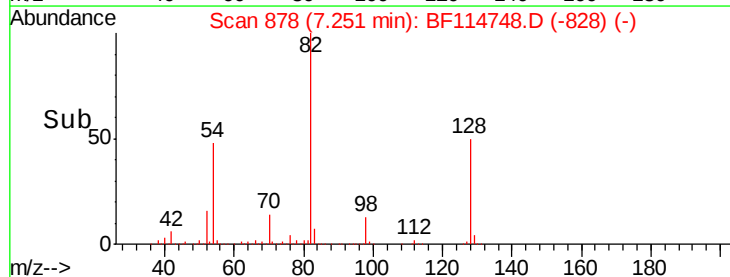
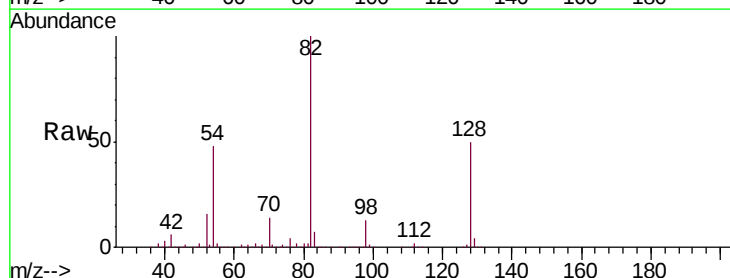
Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-006

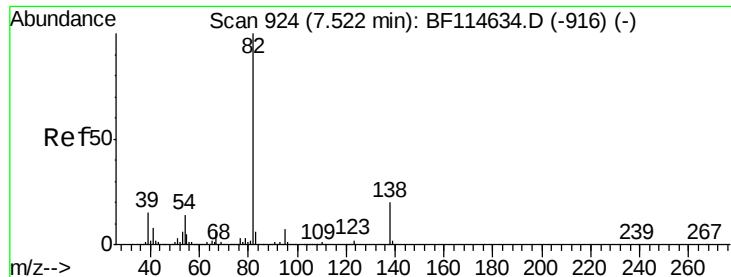
Tgt Ion:136 Resp: 1739594
Ion Ratio Lower Upper
136 100
137 11.4 9.3 13.9
54 6.8 6.3 9.5
68 5.9 5.4 8.0



#23
Nitrobenzene-d5
Concen: 67.604 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114748.D
Acq: 1 Jun 2019 11:20

Tgt Ion: 82 Resp: 1884989
Ion Ratio Lower Upper
82 100
128 49.5 38.5 57.7
54 47.7 39.1 58.7





#25

Isophorone

Concen: 32.252 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.27 min

Lab File: BF114748.D

Acq: 1 Jun 2019 11:20

Instrument :

BNA_F

ClientSampleId :

FK-0D015-03-006

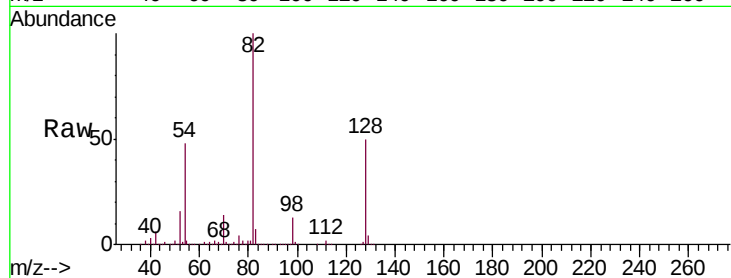
Tgt Ion: 82 Resp: 1804723

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

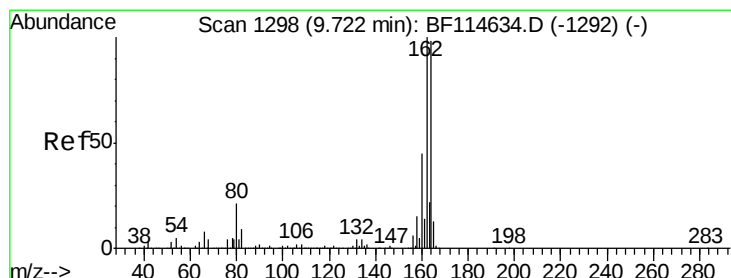
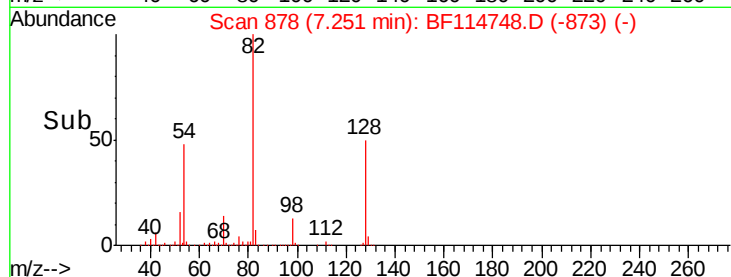
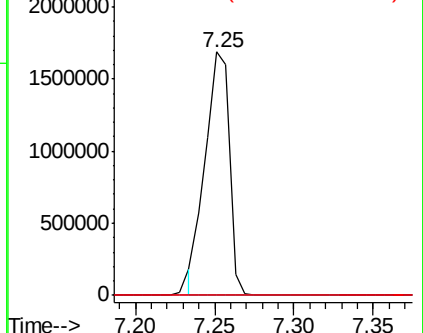
138 0.0 15.9 23.9#



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: 9.72 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BF114748.D

Acq: 1 Jun 2019 11:20

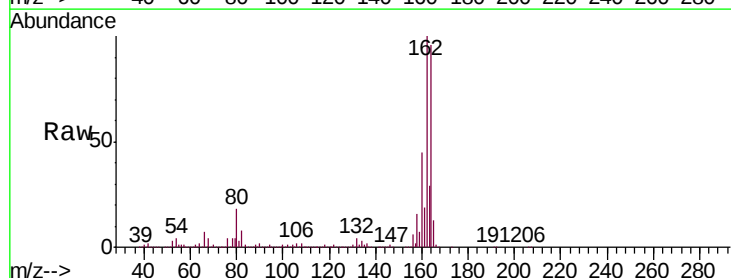
Tgt Ion: 164 Resp: 866353

Ion Ratio Lower Upper

164 100

162 104.1 81.4 122.2

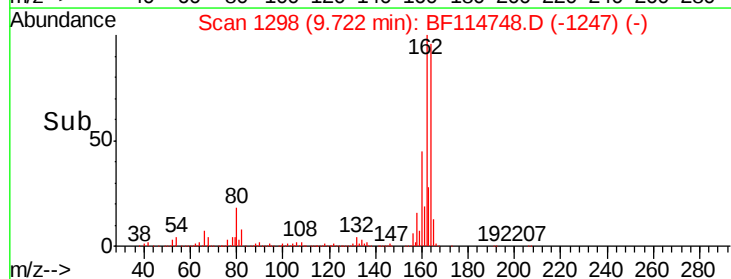
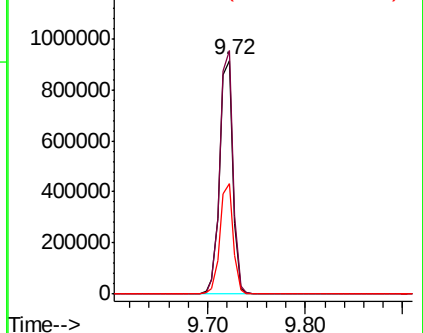
160 47.4 36.6 54.8

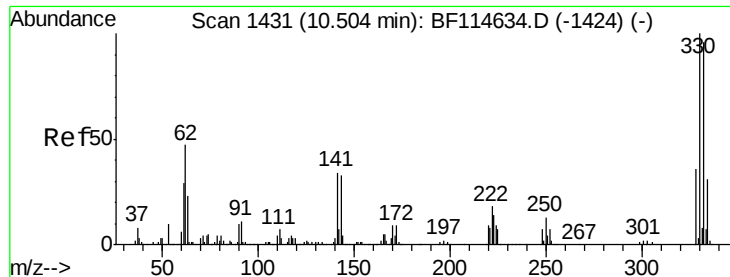


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

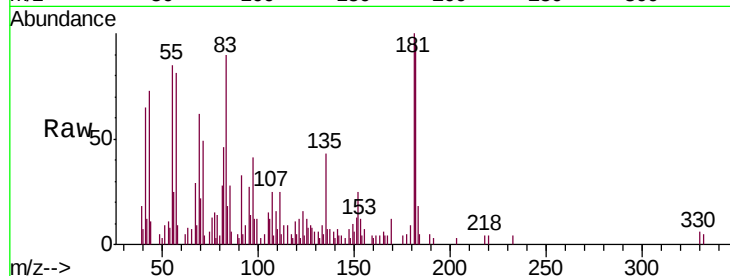




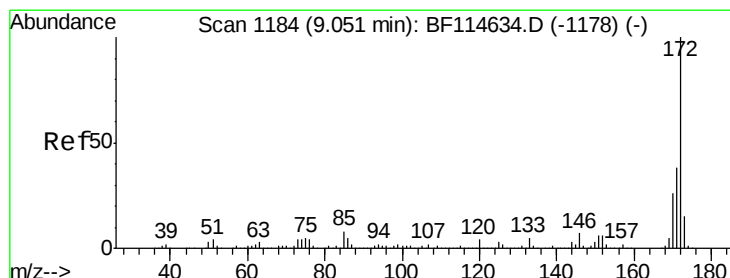
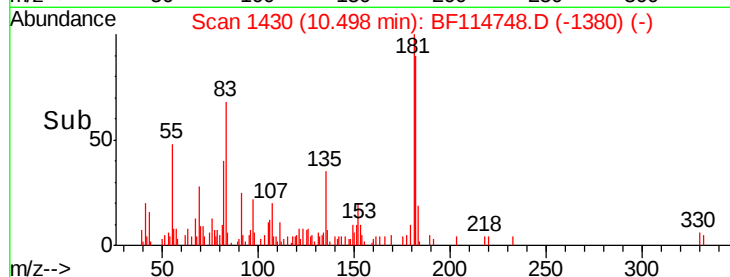
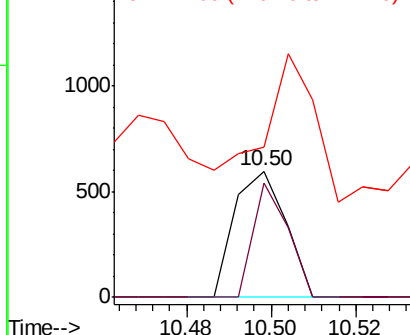
#42
 2,4,6-Tribromophenol
 Concen: 0.061 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: BF114748.D
 Acq: 1 Jun 2019 11:20

Instrument :
 BNA_F
 ClientSampleId :
 FK-0D015-03-006

Tgt Ion:330 Resp: 502
 Ion Ratio Lower Upper
 330 100
 332 61.0 75.8 113.8#
 141 196.0 27.8 41.8#

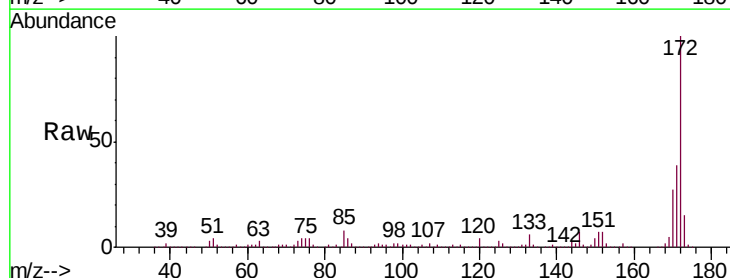


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

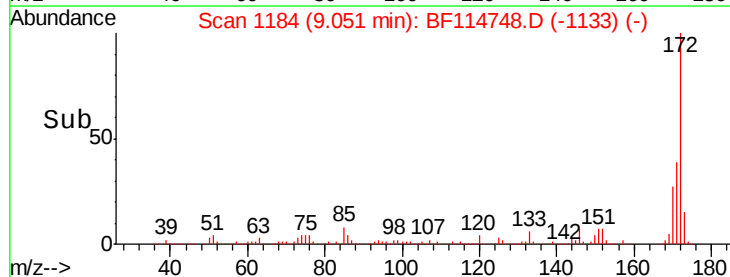
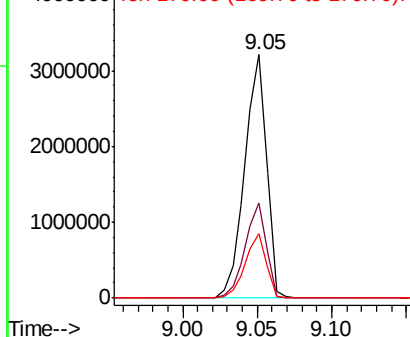


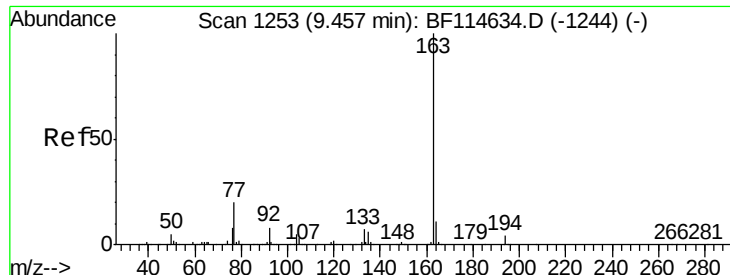
#45
 2-Fluorobiphenyl
 Concen: 67.439 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114748.D
 Acq: 1 Jun 2019 11:20

Tgt Ion:172 Resp: 3262754
 Ion Ratio Lower Upper
 172 100
 171 39.0 30.6 45.8
 170 26.7 20.7 31.1



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





#50

Dimethylphthalate

Concen: 9.690 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.02 min

Lab File: BF114748.D

Acq: 1 Jun 2019 11:20

Instrument :

BNA_F

ClientSampleId :

FK-0D015-03-006

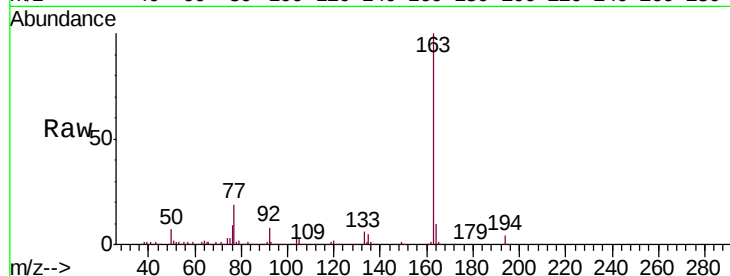
Tgt Ion:163 Resp: 584995

Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.0

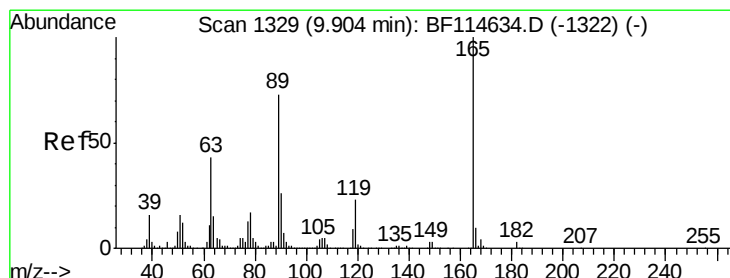
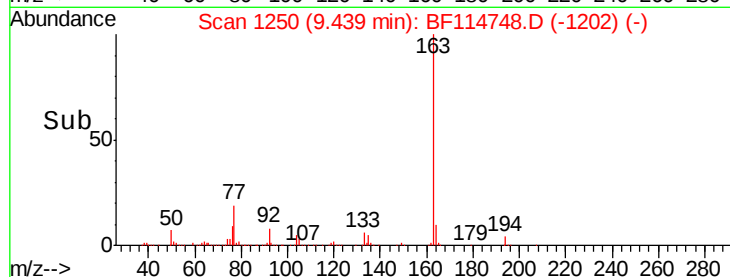
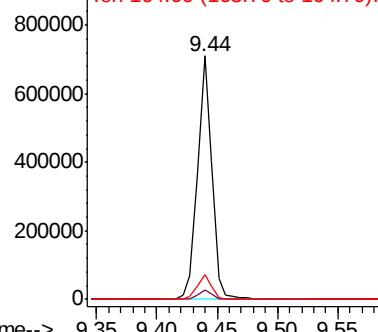
164 10.2 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.373 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.18 min

Lab File: BF114748.D

Acq: 1 Jun 2019 11:20

Tgt Ion:165 Resp: 114734

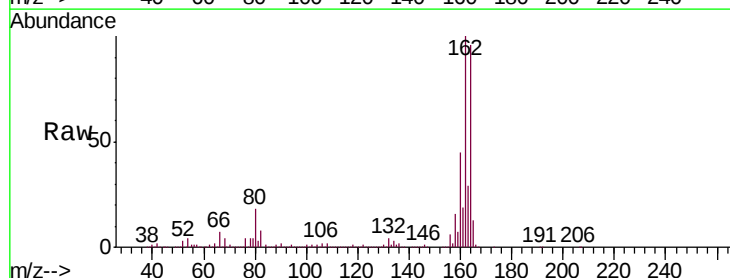
Ion Ratio Lower Upper

165 100

63 1.2 34.8 52.2#

89 1.5 58.5 87.7#

182 0.0 2.2 3.2#

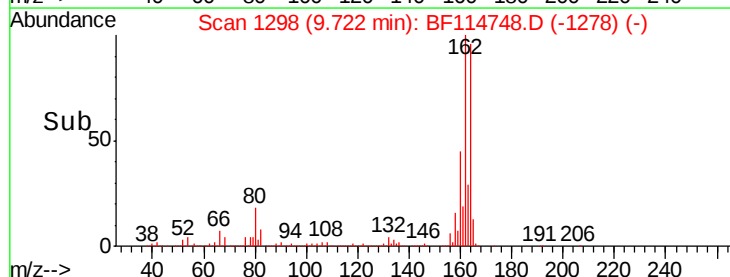
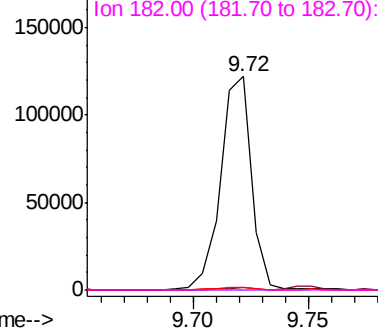


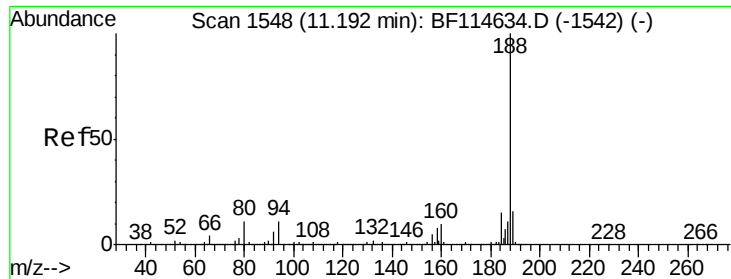
Abundance Ion 165.00 (164.70 to 165.70): E

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

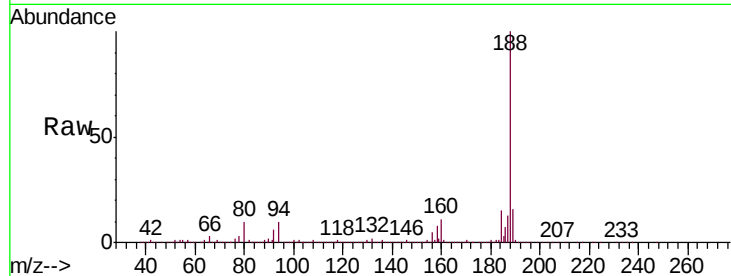




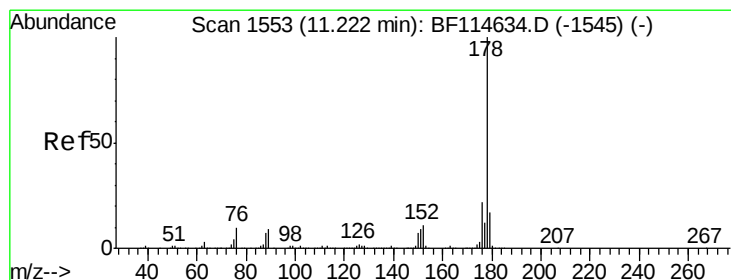
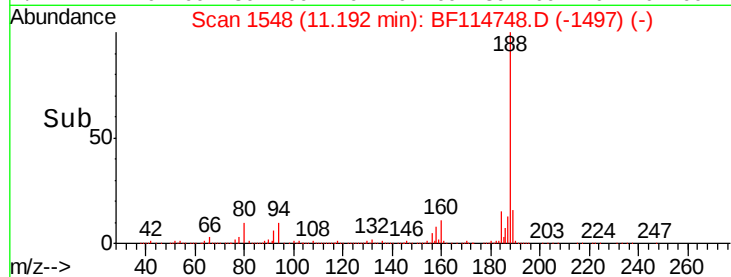
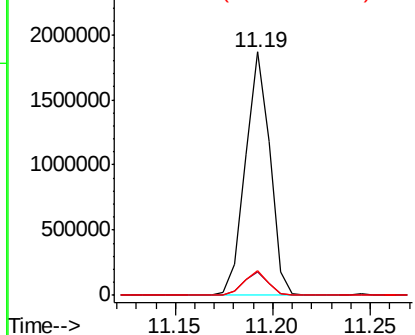
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.00 min
Lab File: BF114748.D
Acq: 1 Jun 2019 11:20

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-006

Tgt Ion:188 Resp: 1622792
Ion Ratio Lower Upper
188 100
94 9.8 8.6 13.0
80 10.3 9.0 13.6

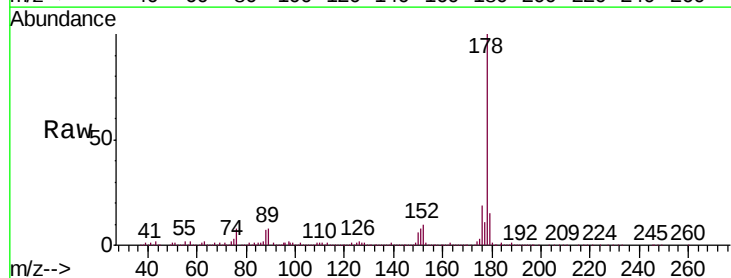


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

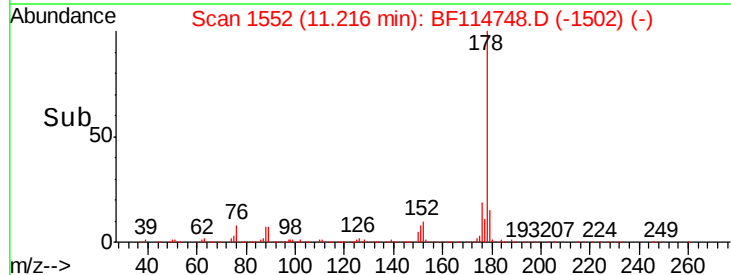
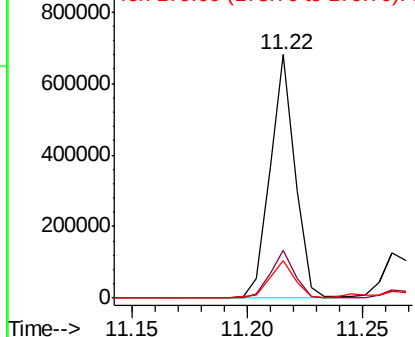


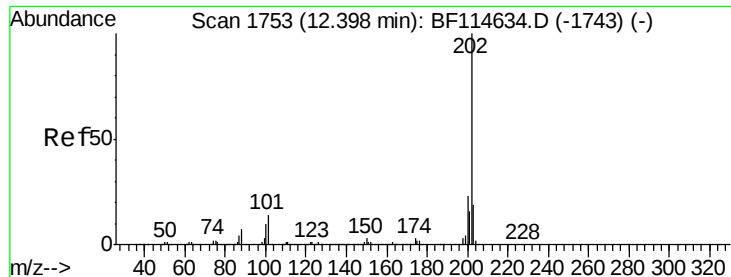
#71
Phenanthrene
Concen: 6.153 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BF114748.D
Acq: 1 Jun 2019 11:20

Tgt Ion:178 Resp: 509364
Ion Ratio Lower Upper
178 100
176 19.5 17.2 25.8
179 15.2 13.9 20.9



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





#75

Fluoranthene

Concen: 5.938 ng

RT: 12.40 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BF114748.D

Acq: 1 Jun 2019 11:20

Instrument :

BNA_F

ClientSampleId :

FK-0D015-03-006

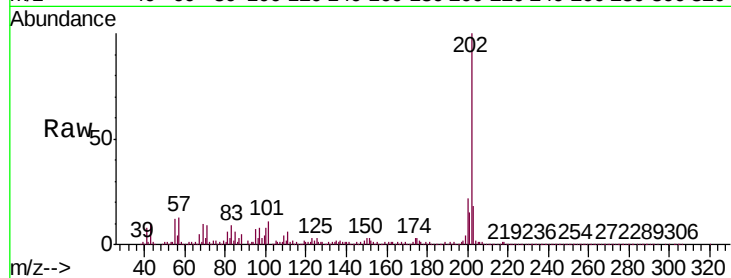
Tgt Ion: 202 Resp: 508992

Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.9

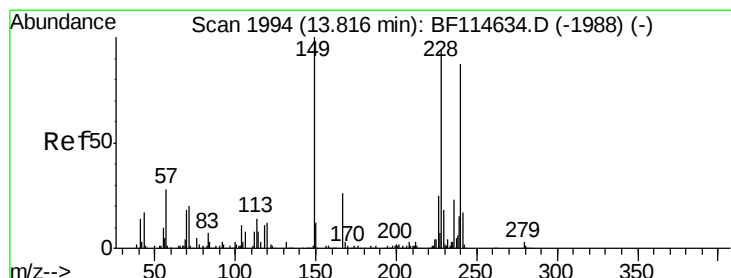
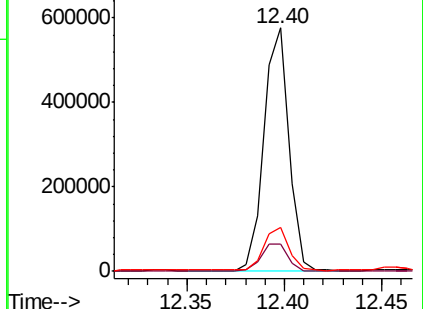
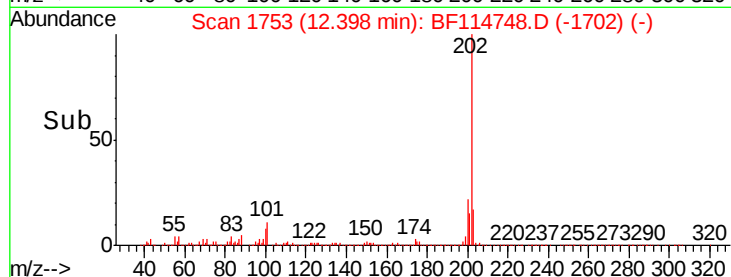
203 17.8 0.0 39.1



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: 13.82 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BF114748.D

Acq: 1 Jun 2019 11:20

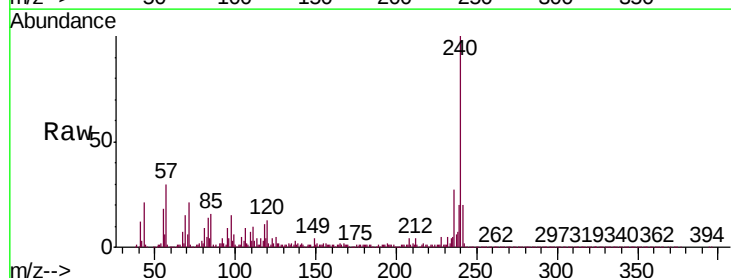
Tgt Ion: 240 Resp: 928743

Ion Ratio Lower Upper

240 100

120 12.8 11.2 16.8

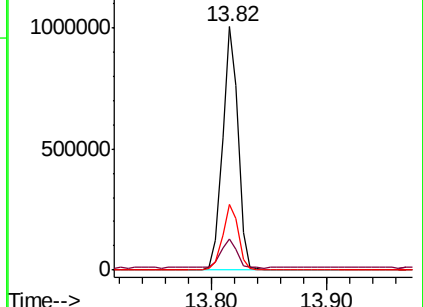
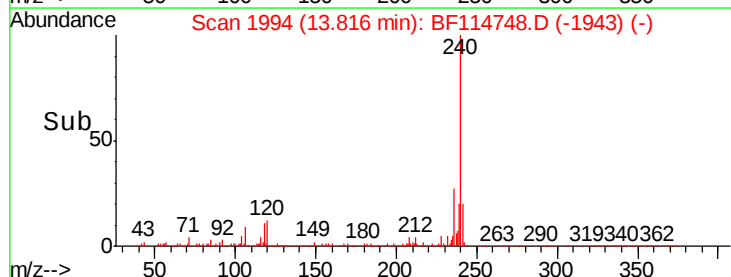
236 27.0 21.2 31.8

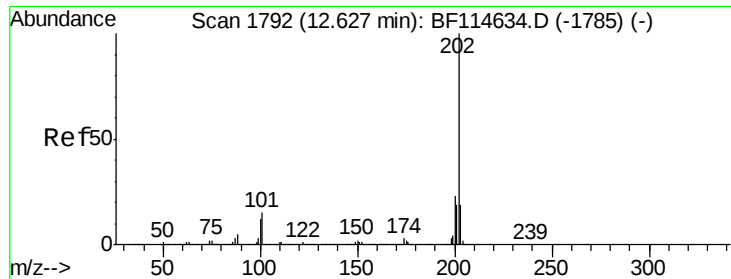


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

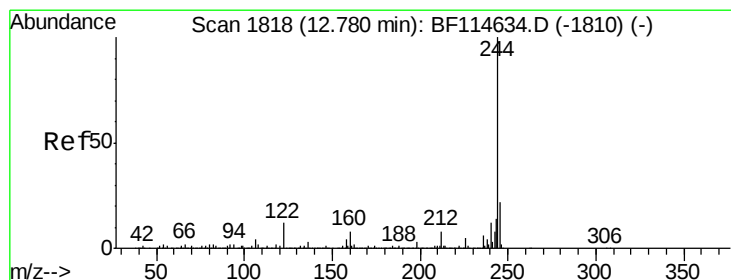
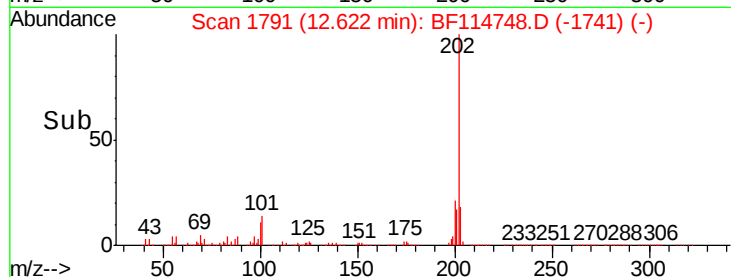
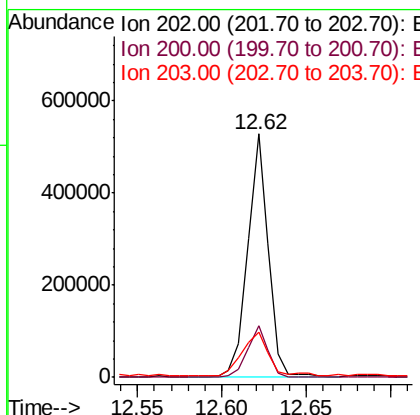
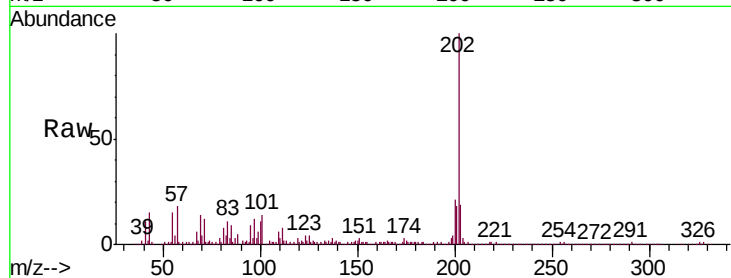




#78
Pyrene
Concen: 5.695 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF114748.D
Acq: 1 Jun 2019 11:20

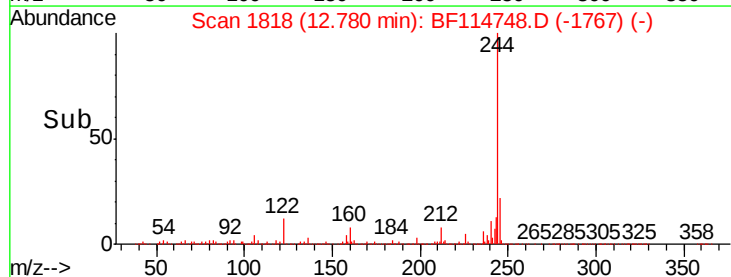
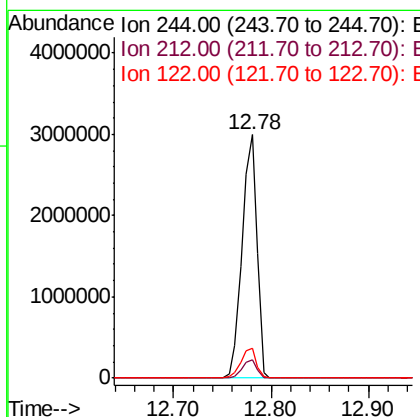
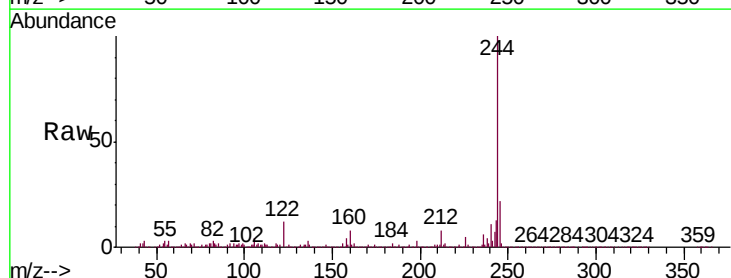
Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-006

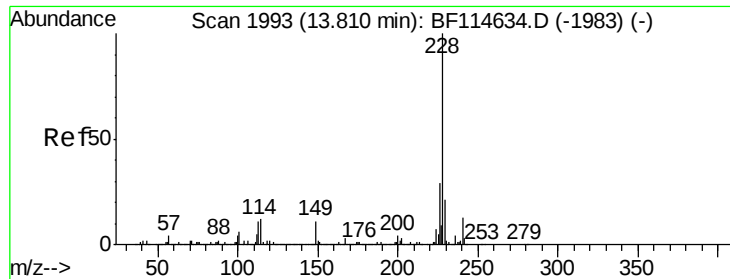
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.6	28.0
203	18.8	15.4	23.2



#79
Terphenyl-d14
Concen: 64.104 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BF114748.D
Acq: 1 Jun 2019 11:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	12.1	9.8	14.8

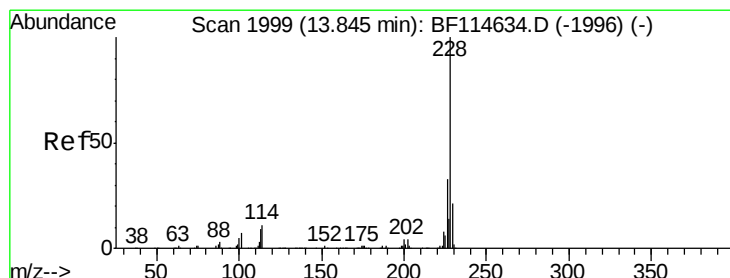
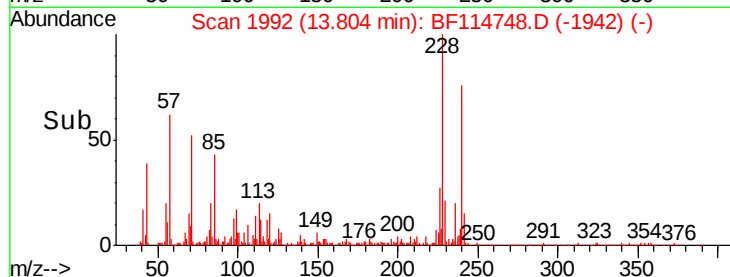
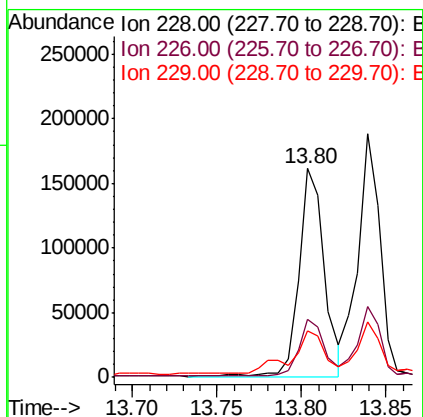
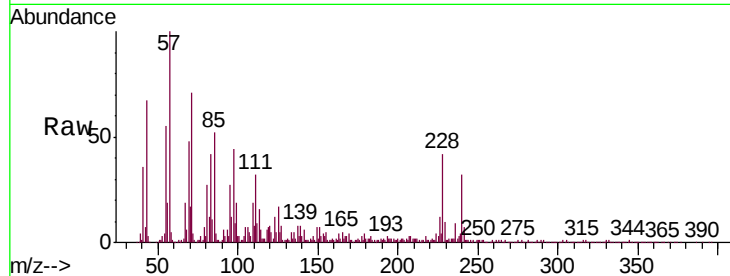




#81
Benzo(a)anthracene
Concen: 2.342 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF114748.D
Acq: 1 Jun 2019 11:20

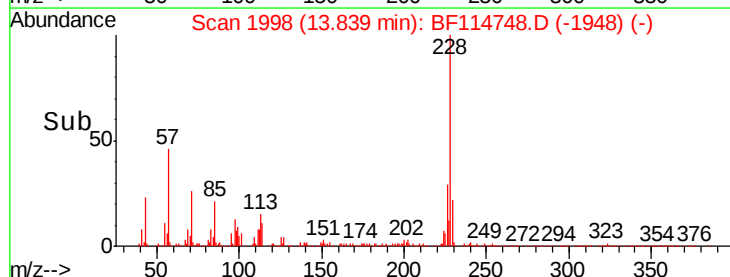
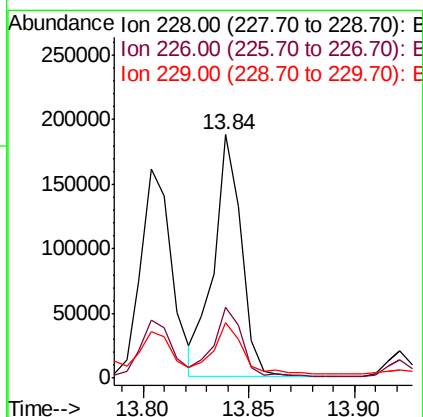
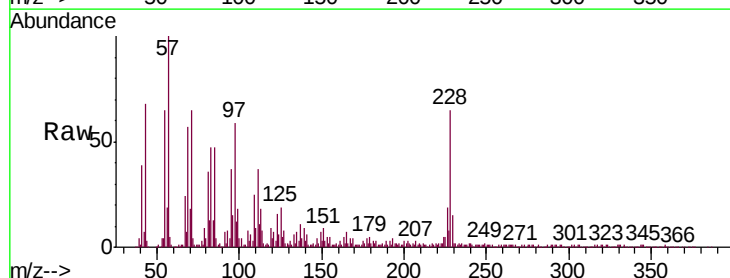
Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-006

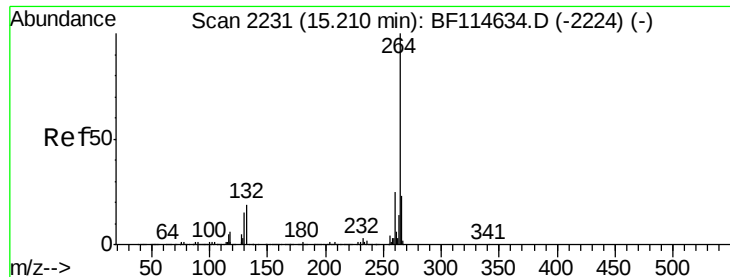
Tgt Ion:228 Resp: 167153
Ion Ratio Lower Upper
228 100
226 27.6 23.0 34.6
229 22.4 17.0 25.4



#83
Chrysene
Concen: 2.499 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF114748.D
Acq: 1 Jun 2019 11:20

Tgt Ion:228 Resp: 170406
Ion Ratio Lower Upper
228 100
226 29.0 26.4 39.6
229 22.6 17.1 25.7

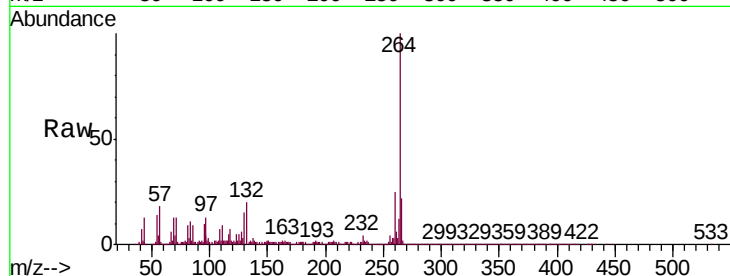




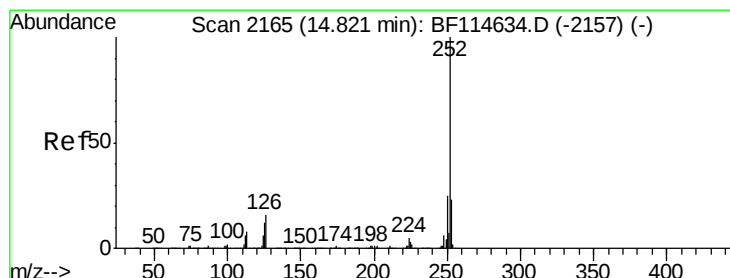
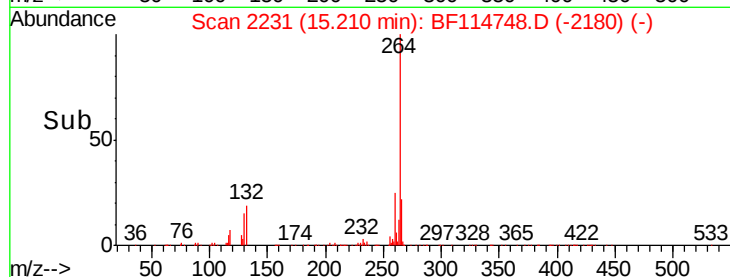
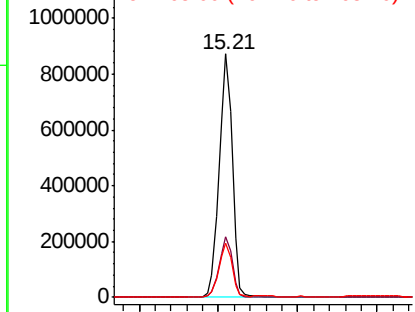
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BF114748.D
Acq: 1 Jun 2019 11:20

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-006

Tgt Ion:264 Resp: 997882
Ion Ratio Lower Upper
264 100
260 25.0 19.7 29.5
265 22.4 18.1 27.1

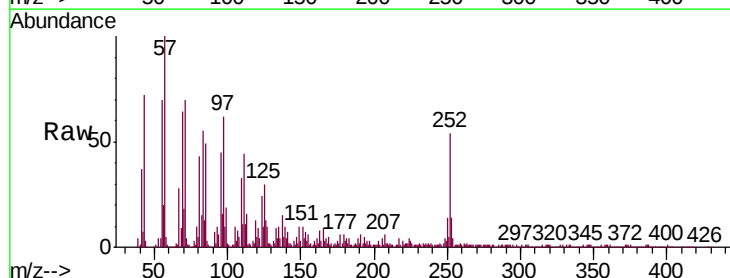


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

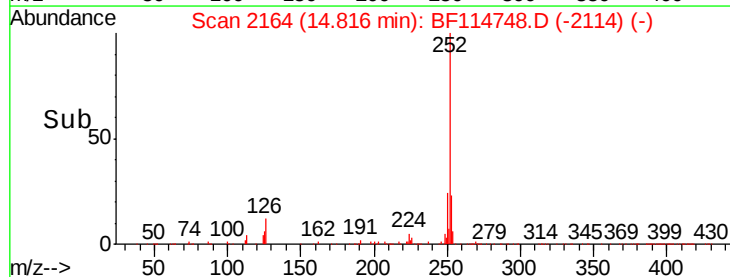
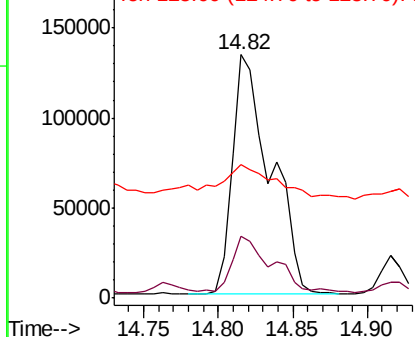


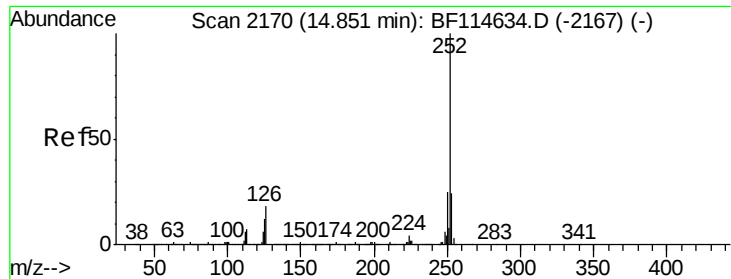
#88
Benzo(b)fluoranthene
Concen: 3.792 ng
RT: 14.82 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF114748.D
Acq: 1 Jun 2019 11:20

Tgt Ion:252 Resp: 238349
Ion Ratio Lower Upper
252 100
253 25.4 18.7 28.1
125 55.0 9.4 14.2#



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

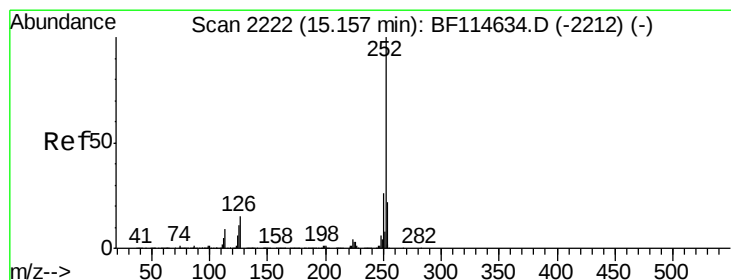
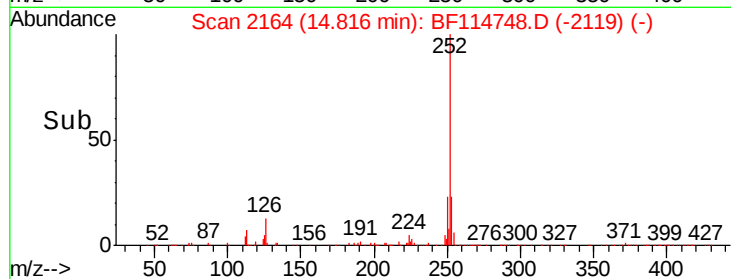
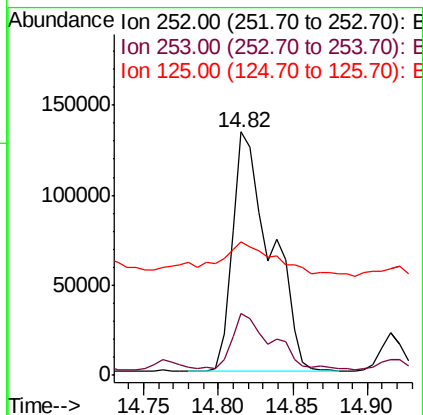
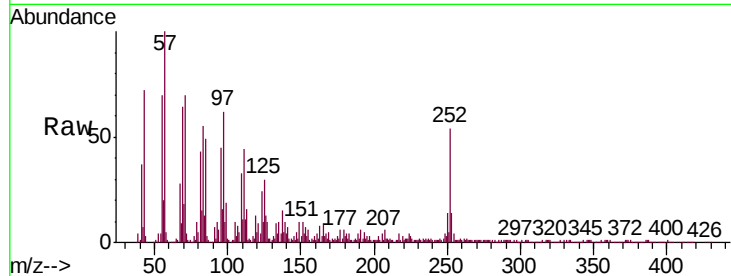




#89
Benzo(k)fluoranthene
Concen: 4.363 ng
RT: 14.82 min Scan# 2164
Delta R.T. -0.04 min
Lab File: BF114748.D
Acq: 1 Jun 2019 11:20

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-006

Tgt Ion: 252 Resp: 238349
Ion Ratio Lower Upper
252 100
253 25.4 18.9 28.3
125 55.0 9.5 14.3#



#90
Benzo(a)pyrene
Concen: 2.129 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF114748.D
Acq: 1 Jun 2019 11:20

Tgt Ion: 252 Resp: 117555
Ion Ratio Lower Upper
252 100
253 24.5 18.0 27.0
125 59.9 9.2 13.8#

