

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
 Data File : BF083469.D
 Acq On : 3 Dec 2015 19:49
 Operator : UM/IZ
 Sample : G4573-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K207-20-25

Quant Time: Dec 04 06:30:48 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

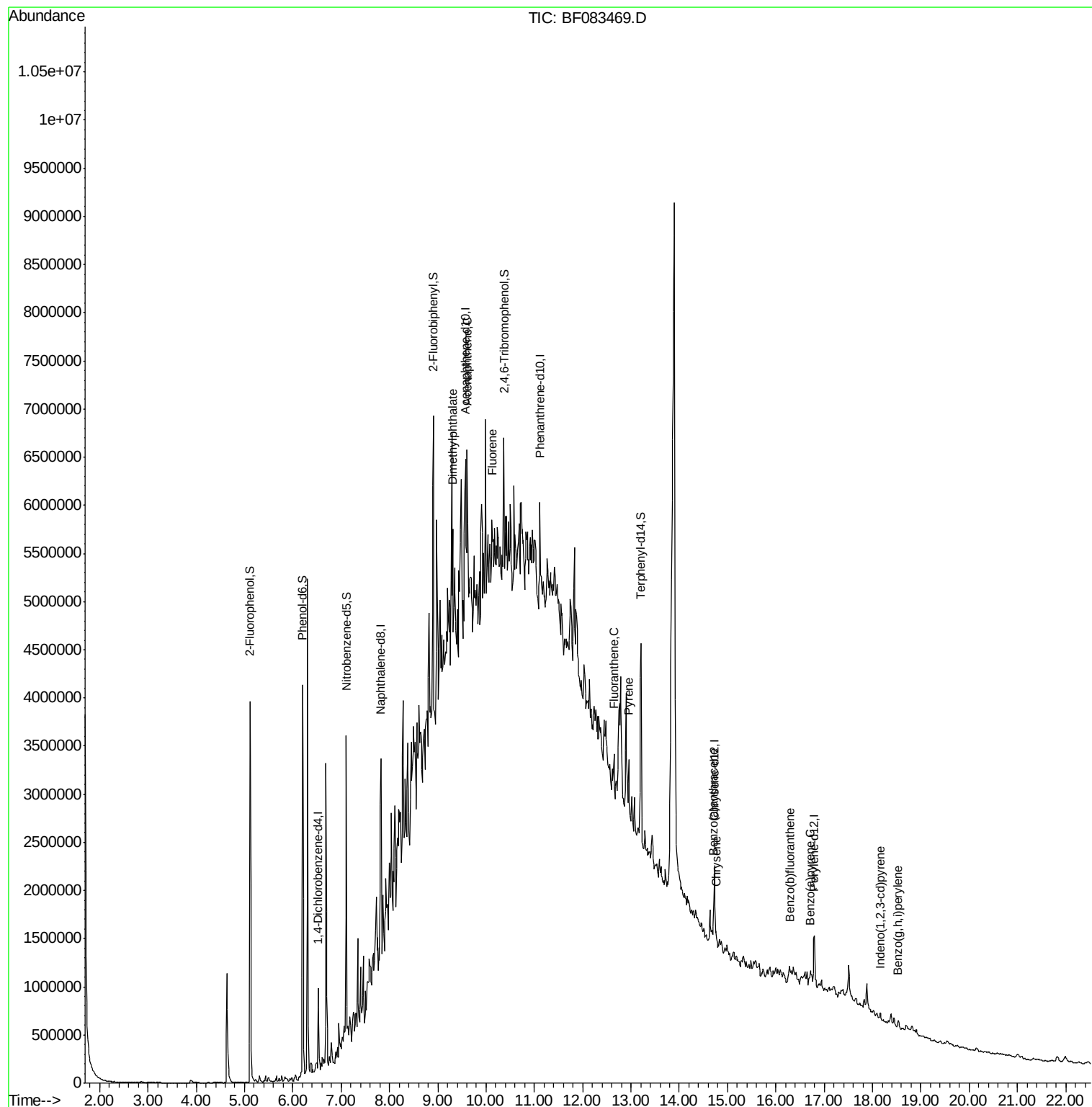
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	171191	20.00	ng	-0.02
21) Naphthalene-d8	7.82	136	636883	20.00	ng	-0.01
38) Acenaphthene-d10	9.57	164	255336	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	415803	20.00	ng	-0.01
75) Chrysene-d12	14.73	240	348794	20.00	ng	-0.03
86) Perylene-d12	16.80	264	325140	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	1321155	115.80	ng	-0.01
7) Phenol-d6	6.20	99	1734747	111.09	ng	-0.02
23) Nitrobenzene-d5	7.10	82	1105514	76.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.37	330	267226	104.26	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	1436557	80.18	ng	-0.01
78) Terphenyl-d14	13.21	244	1080562	73.88	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.31	163	588892	28.38	ng	# 98
51) Acenaphthene	9.61	154	371012	23.18	ng	99
57) Fluorene	10.12	166	132634	7.16	ng	# 92
74) Fluoranthene	12.65	202	227500	8.92	ng	94
77) Pyrene	12.96	202	329828	13.54	ng	# 94
80) Benzo(a)anthracene	14.72	228	125278	5.86	ng	# 75
82) Chrysene	14.76	228	82216	3.98	ng	# 64
85) Indeno(1,2,3-cd)pyrene	18.17	276	40915	2.72	ng	93
87) Benzo(b)fluoranthene	16.28	252	92192m	4.42	ng	
89) Benzo(a)pyrene	16.72	252	95910	5.35	ng	# 89
91) Benzo(g,h,i)perylene	18.53	276	43460	2.84	ng	# 82

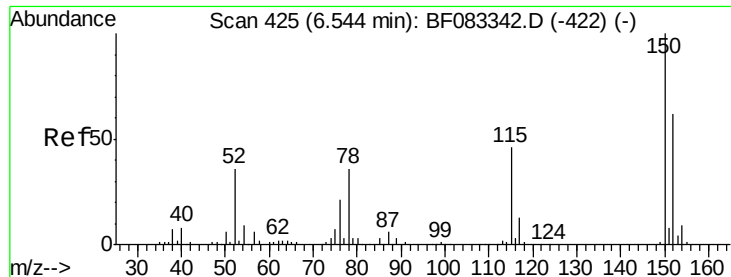
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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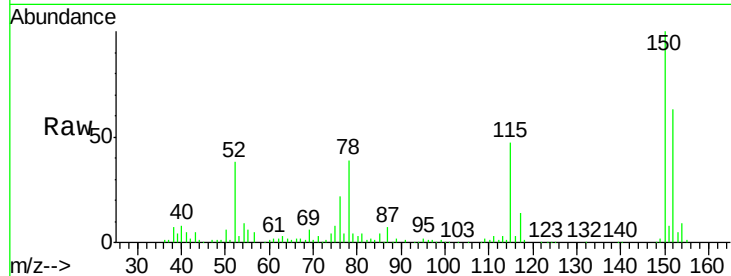


#1

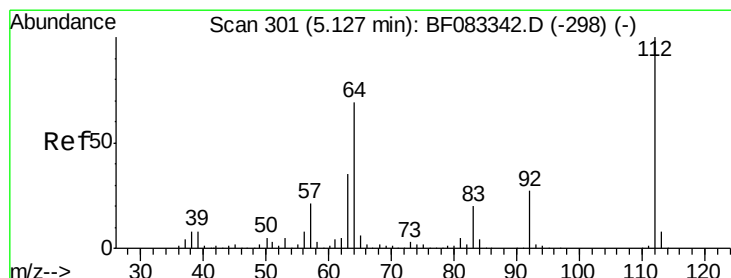
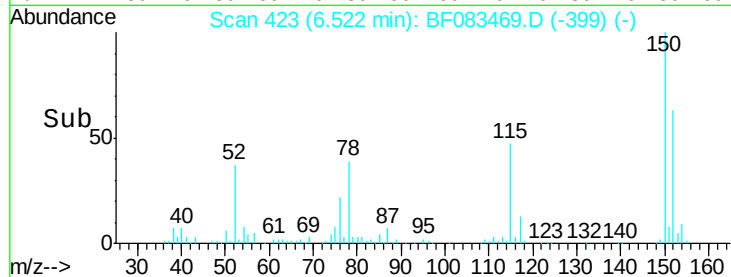
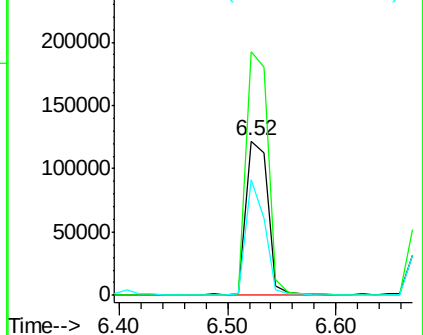
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 423
Delta R.T. -0.02 min
Lab File: BF083469.D
Acq: 3 Dec 2015 19:49

Instrument :
BNA_F
ClientSampleId :
K207-20-25

Tot Ion:152 Resp: 171191
Ion Ratio Lower Upper
152 100
150 157.6 129.8 194.8
115 74.4 59.2 88.8



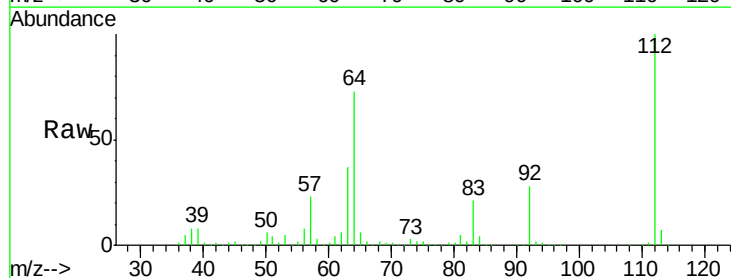
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



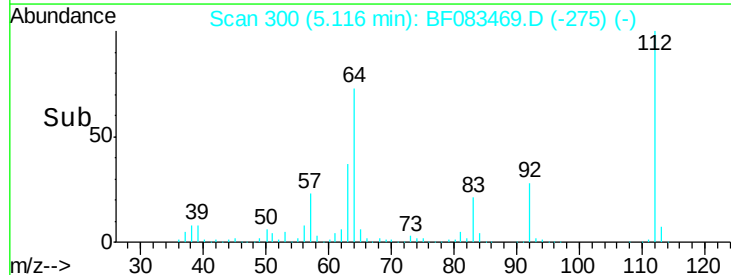
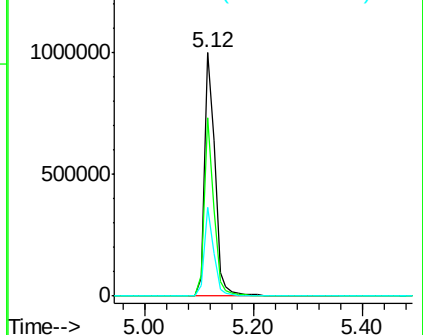
#5

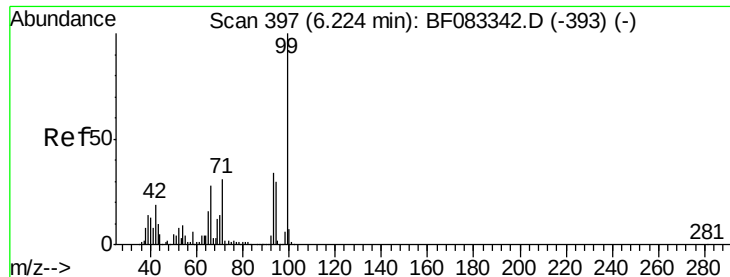
2-Fluorophenol
Concen: 115.80 ng
RT: 5.12 min Scan# 300
Delta R.T. -0.01 min
Lab File: BF083469.D
Acq: 3 Dec 2015 19:49

Tgt Ion:112 Resp: 1321155
Ion Ratio Lower Upper
112 100
64 73.3 55.6 83.4
63 36.6 28.2 42.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.09 ng

RT: 6.20 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF083469.D

Acq: 3 Dec 2015 19:49

Instrument :

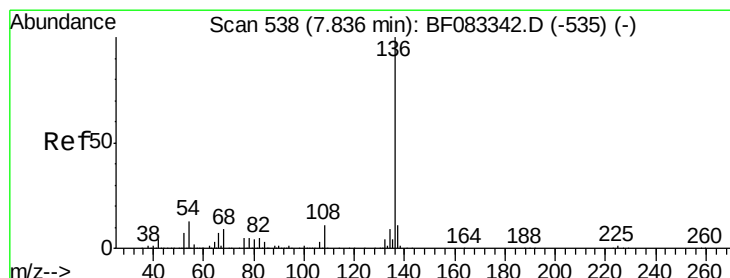
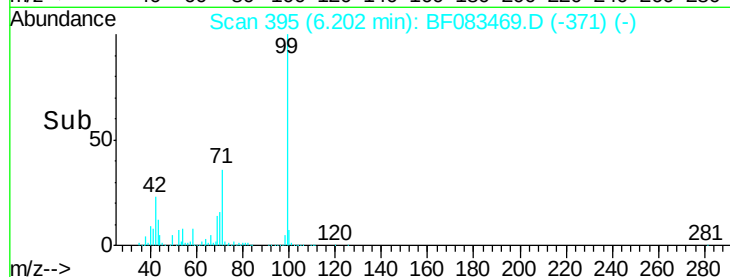
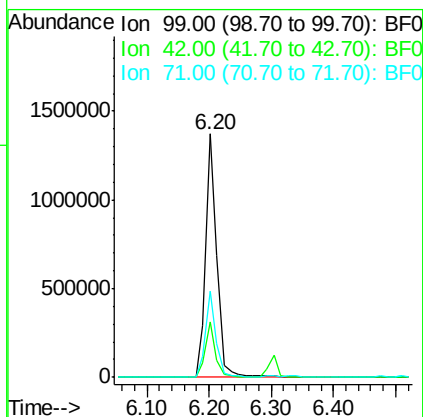
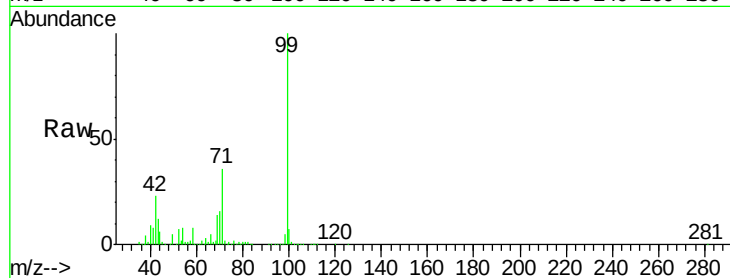
BNA_F

ClientSampleId :

K207-20-25

Tot Ion: 99 Resp: 1734747

Ion	Ratio	Lower	Upper
99	100		
42	22.6	14.9	22.3#
71	35.6	24.7	37.1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.82 min Scan# 537

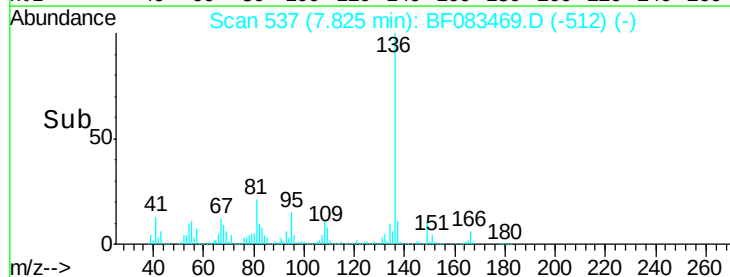
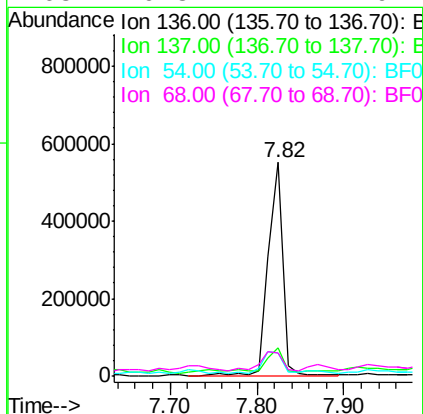
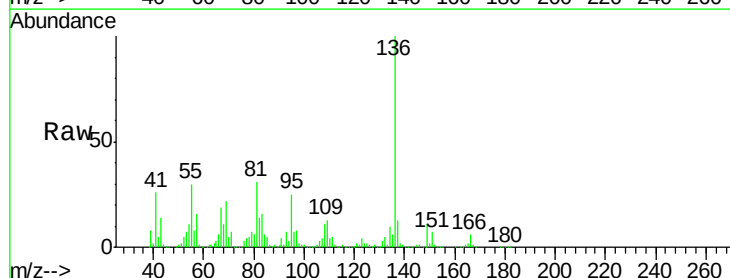
Delta R.T. -0.01 min

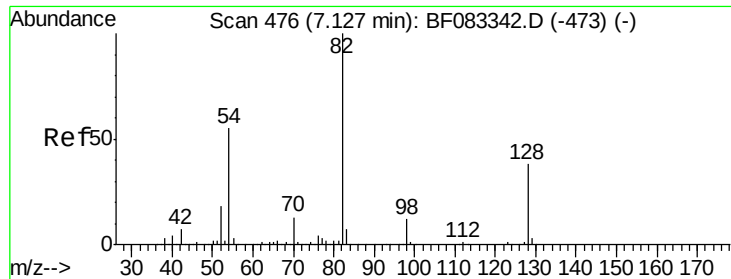
Lab File: BF083469.D

Acq: 3 Dec 2015 19:49

Tgt Ion: 136 Resp: 636883

Ion	Ratio	Lower	Upper
136	100		
137	13.0	9.0	13.4
54	11.0	10.1	15.1
68	10.8	7.1	10.7#

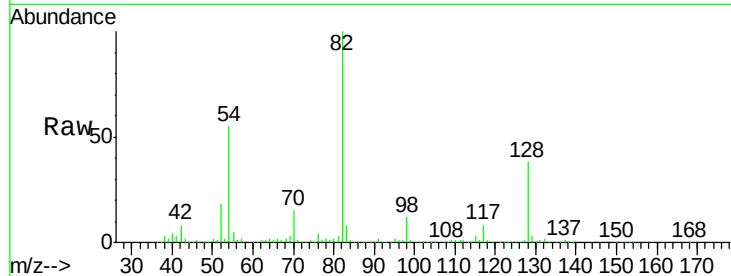




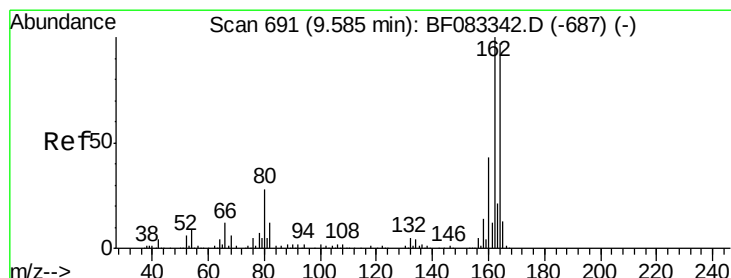
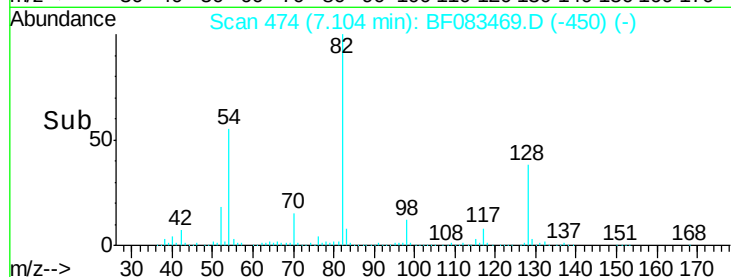
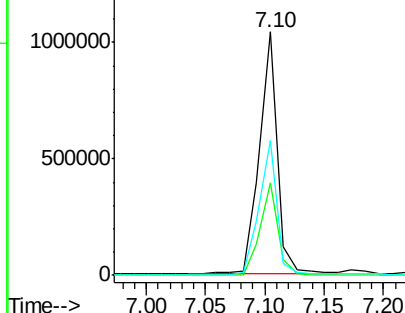
#23
Nitrobenzene-d5
Concen: 76.30 ng
RT: 7.10 min Scan# 474
Delta R.T. -0.02 min
Lab File: BF083469.D
Acq: 3 Dec 2015 19:49

Instrument :
BNA_F
ClientSampleId :
K207-20-25

Tot Ion: 82 Resp: 1105514
Ion Ratio Lower Upper
82 100
128 37.9 30.6 46.0
54 55.2 43.8 65.6

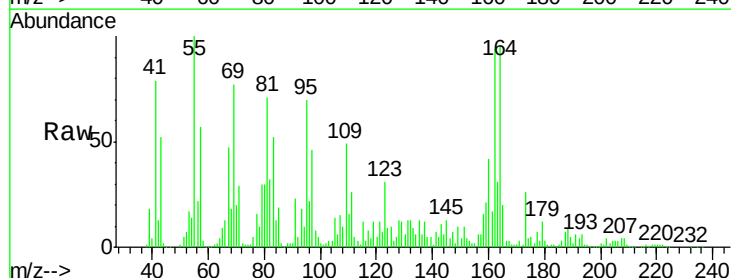


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

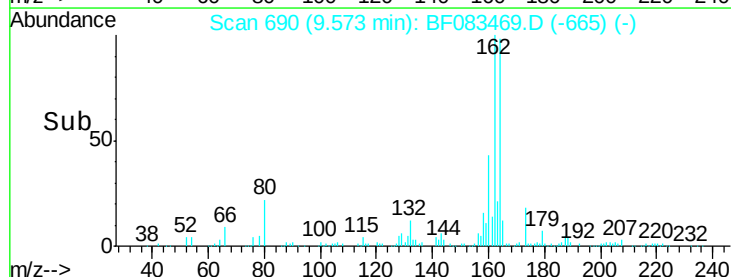
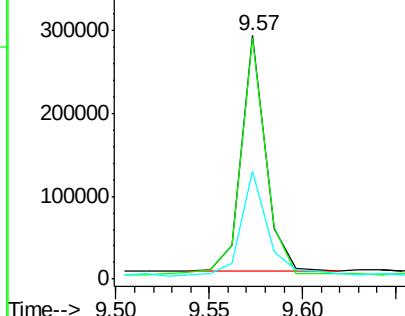


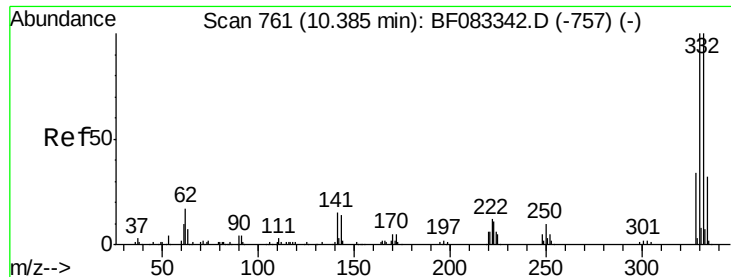
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF083469.D
Acq: 3 Dec 2015 19:49

Tgt Ion:164 Resp: 255336
Ion Ratio Lower Upper
164 100
162 99.2 82.6 123.8
160 44.3 35.3 52.9



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

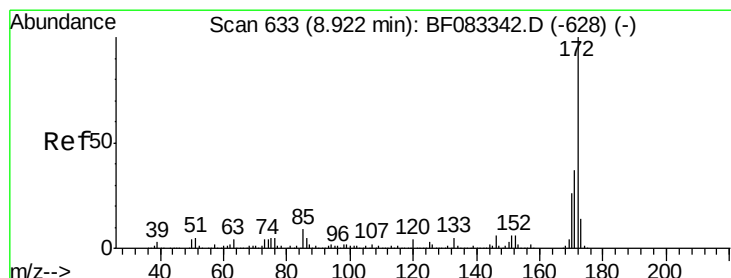
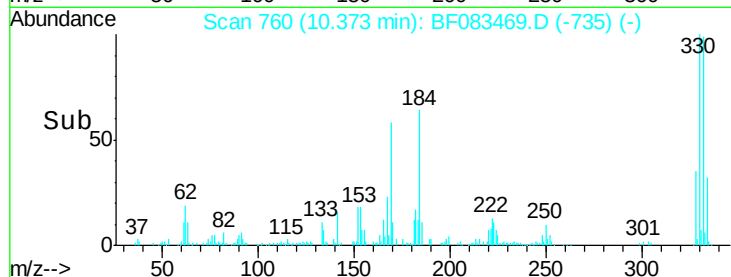
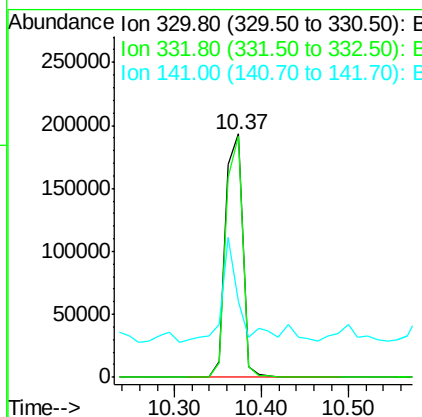
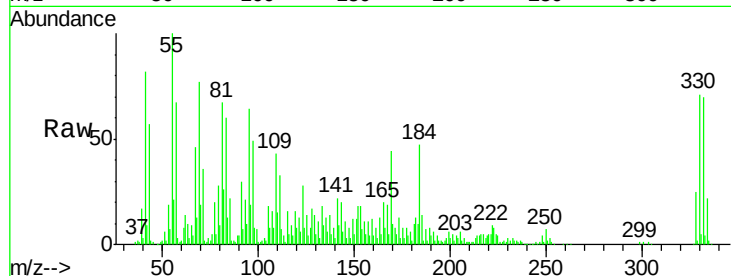




#41
 2,4,6-Tribromophenol
 Concen: 104.26 ng
 RT: 10.37 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF083469.D
 Acq: 3 Dec 2015 19:49

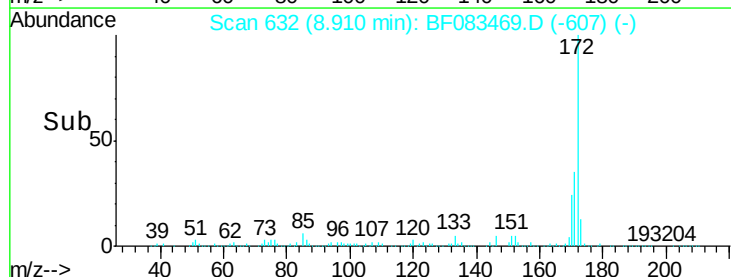
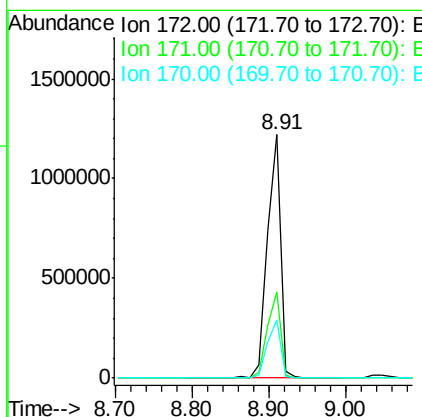
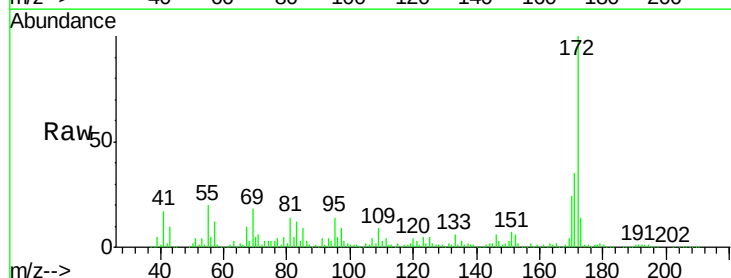
Instrument :
 BNA_F
 ClientSampleId :
 K207-20-25

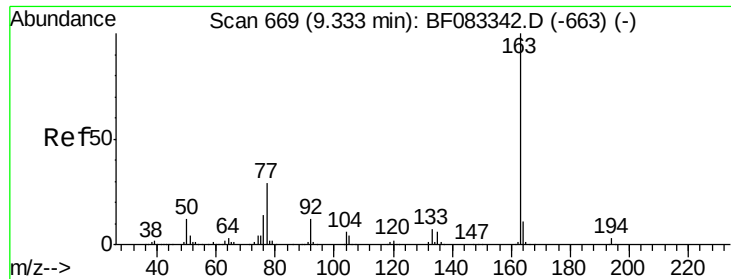
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.8	116.6
141	38.9	29.4	44.0



#44
 2-Fluorobiphenyl
 Concen: 80.18 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF083469.D
 Acq: 3 Dec 2015 19:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.4	44.0
170	23.9	20.4	30.6

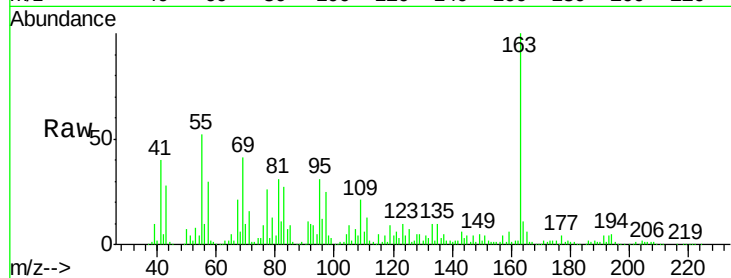




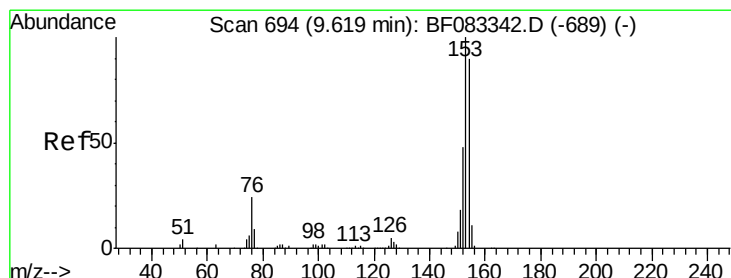
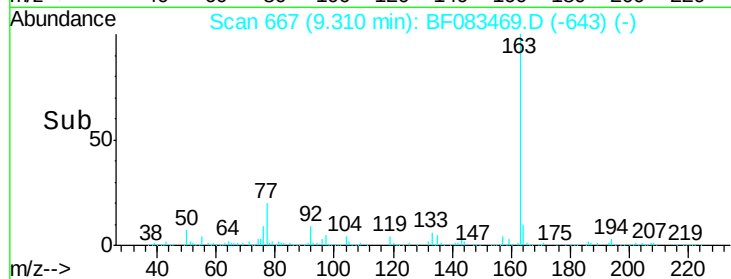
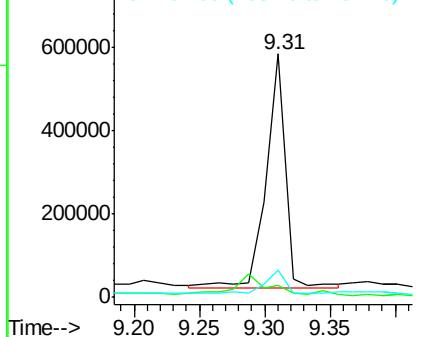
#49
Dimethylphthalate
Concen: 28.38 ng
RT: 9.31 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF083469.D
Acq: 3 Dec 2015 19:49

Instrument :
BNA_F
ClientSampleId :
K207-20-25

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	2.7	4.1#
164	11.3	8.8	13.2

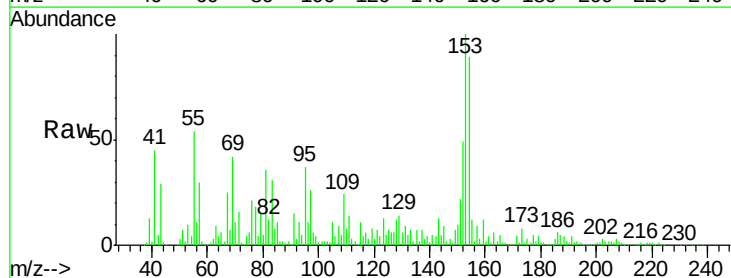


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

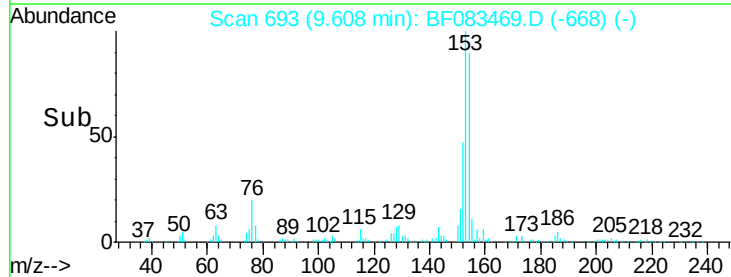
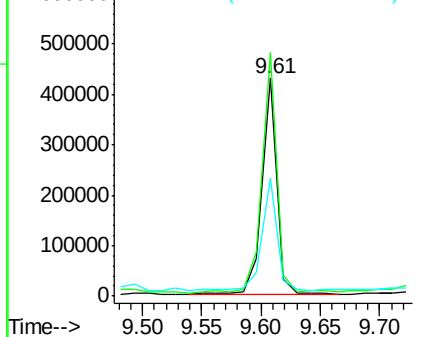


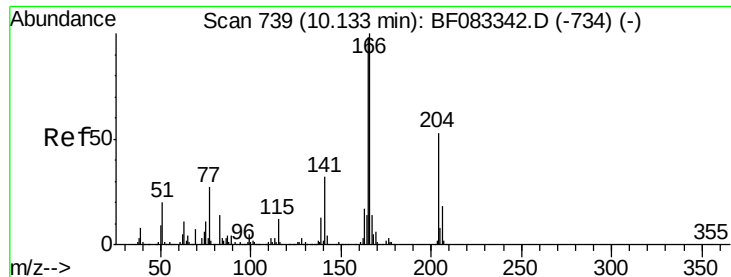
#51
Acenaphthene
Concen: 23.18 ng
RT: 9.61 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF083469.D
Acq: 3 Dec 2015 19:49

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.3	133.9
152	54.2	42.5	63.7



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

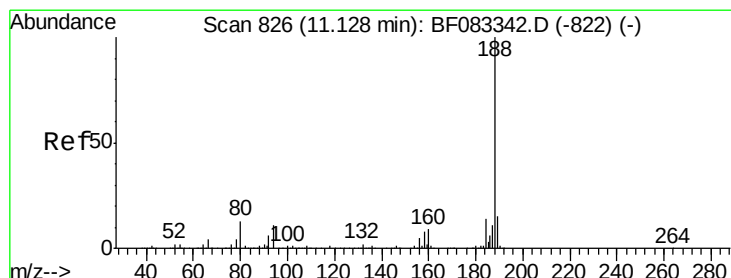
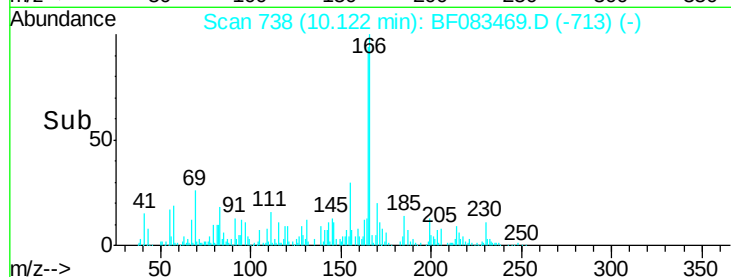
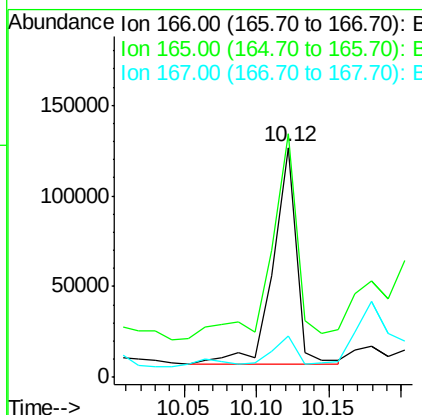
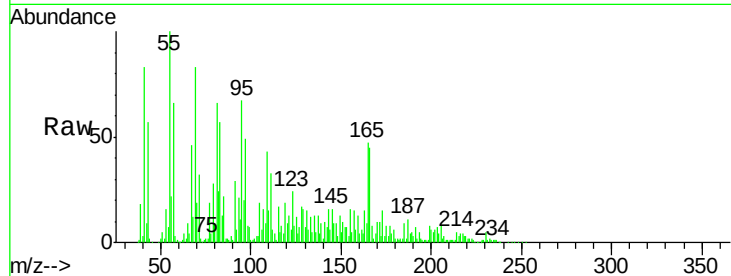




#57
Fluorene
 Concen: 7.16 ng
 RT: 10.12 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: BF083469.D
 Acq: 3 Dec 2015 19:49

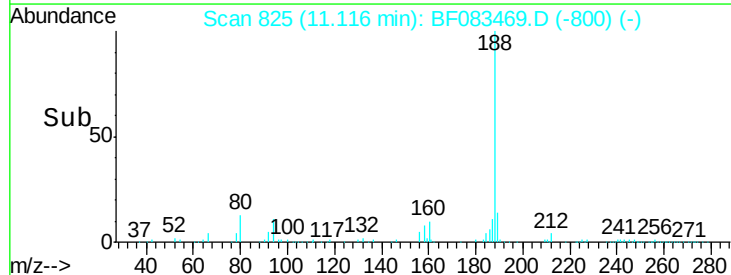
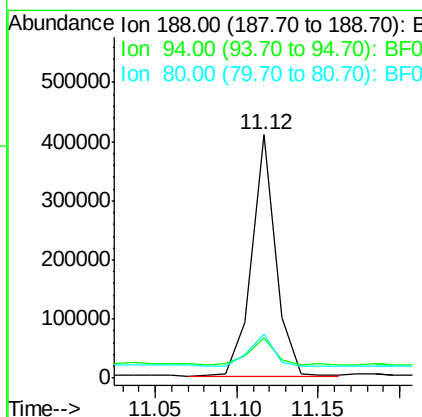
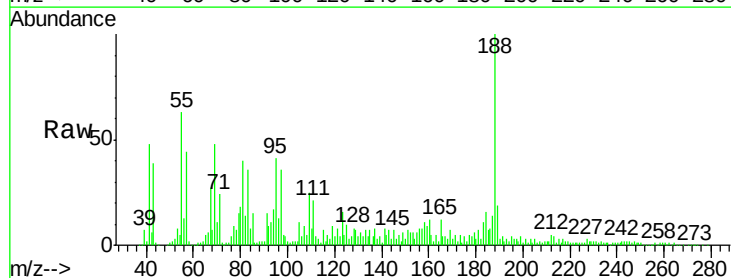
Instrument :
 BNA_F
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 K207-20-25

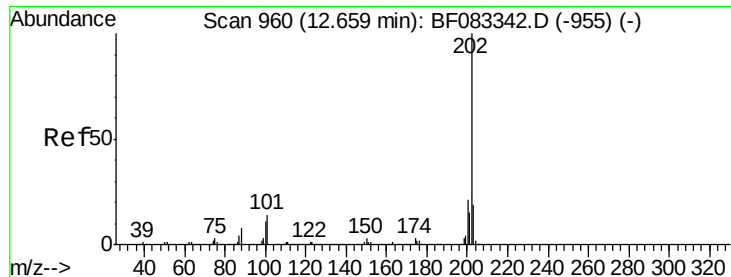
Tot Ion:166 Resp: 132634
 Ion Ratio Lower Upper
 166 100
 165 105.8 78.3 117.5
 167 17.7 11.1 16.7#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF083469.D
 Acq: 3 Dec 2015 19:49

Tgt Ion:188 Resp: 415803
 Ion Ratio Lower Upper
 188 100
 94 16.7 8.7 13.1#
 80 18.1 10.3 15.5#





#74

Fluoranthene

Concen: 8.92 ng

RT: 12.65 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF083469.D

Acq: 3 Dec 2015 19:49

Instrument :

BNA_F

ClientSampleId :

K207-20-25

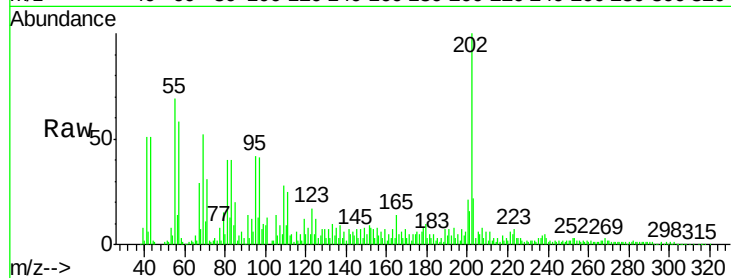
Tot Ion:202 Resp: 227500

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.5

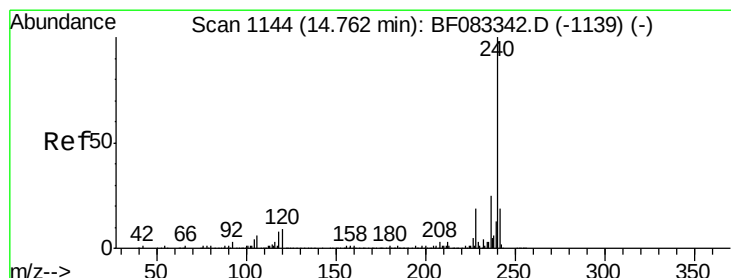
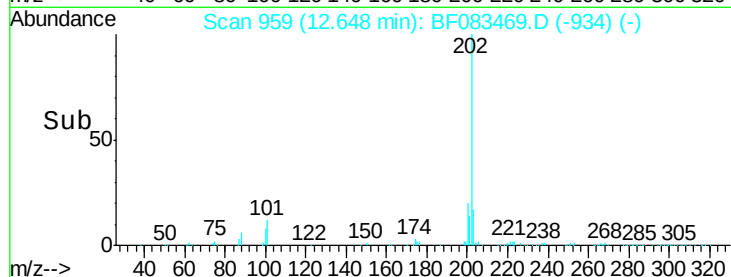
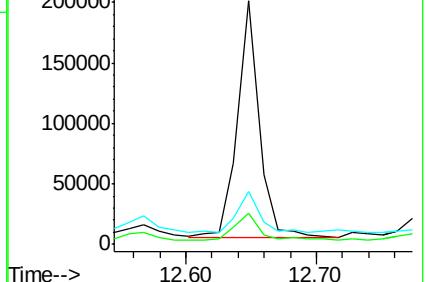
203 21.9 0.0 38.7



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.73 min Scan# 1141

Delta R.T. -0.03 min

Lab File: BF083469.D

Acq: 3 Dec 2015 19:49

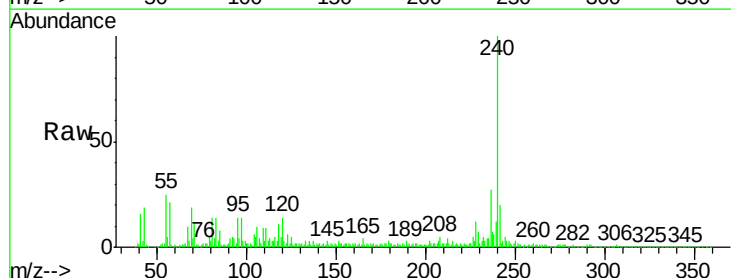
Tgt Ion:240 Resp: 348794

Ion Ratio Lower Upper

240 100

120 13.7 6.9 10.3#

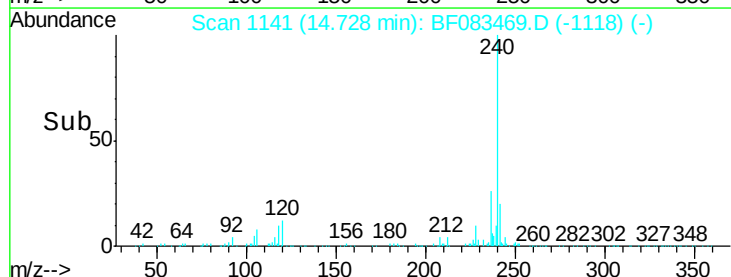
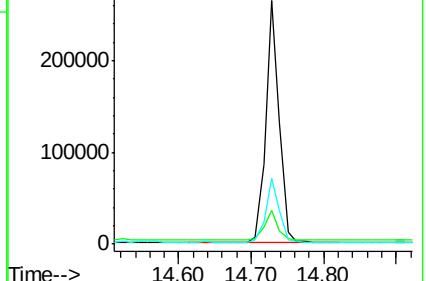
236 26.7 19.8 29.6

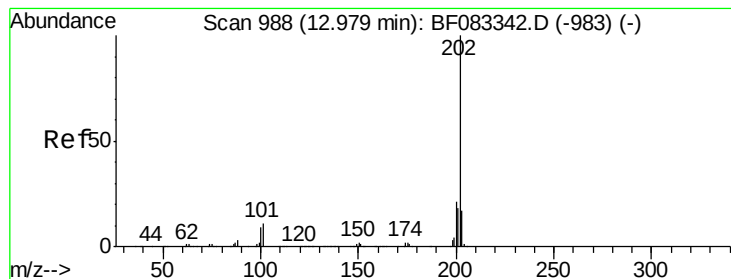


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 13.54 ng

RT: 12.96 min Scan# 986

Delta R.T. -0.02 min

Lab File: BF083469.D

Acq: 3 Dec 2015 19:49

Instrument :

BNA_F

ClientSampleId :

K207-20-25

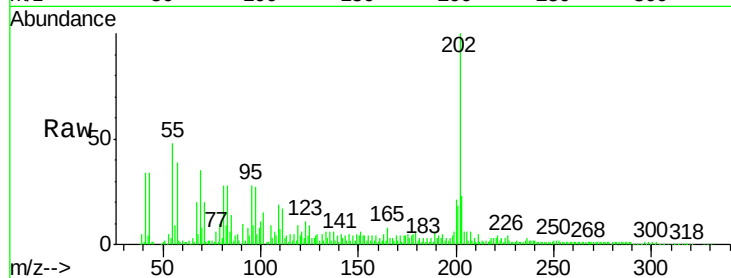
Tot Ion:202 Resp: 329828

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

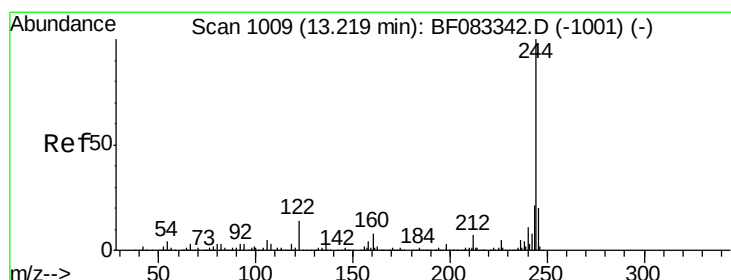
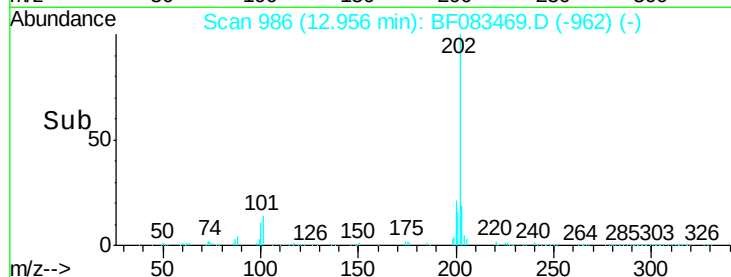
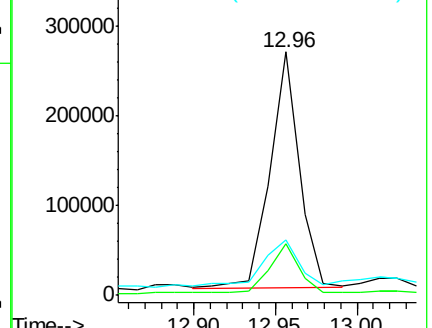
203 22.6 13.9 20.9#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 73.88 ng

RT: 13.21 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF083469.D

Acq: 3 Dec 2015 19:49

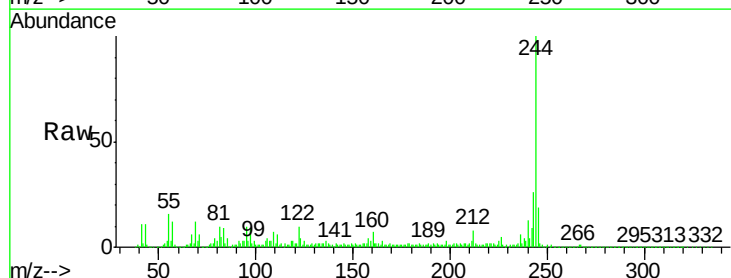
Tgt Ion:244 Resp: 1080562

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

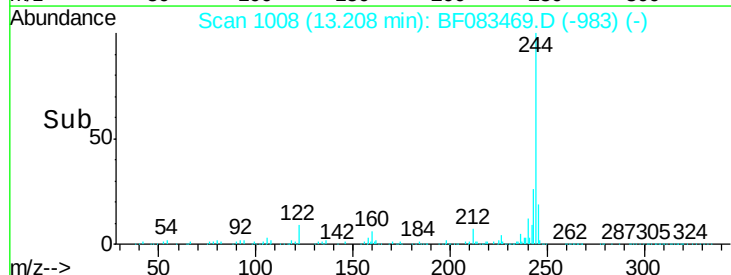
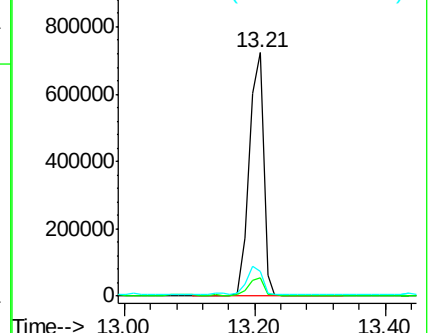
122 10.3 11.0 16.4#

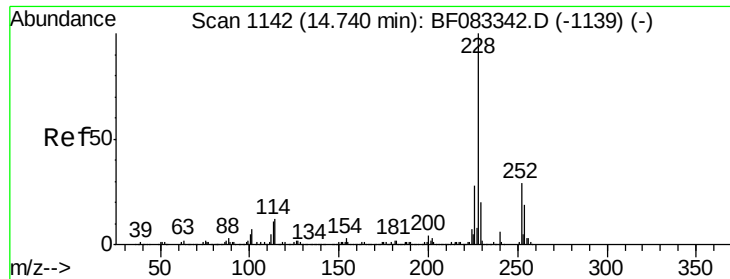


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

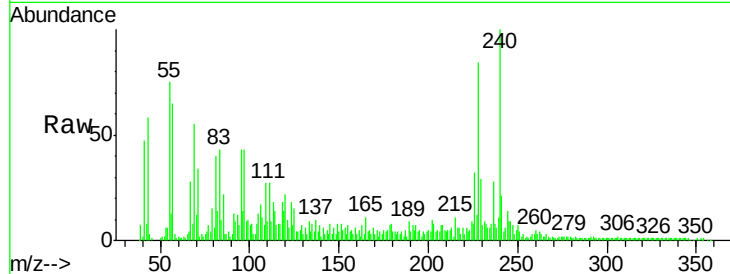




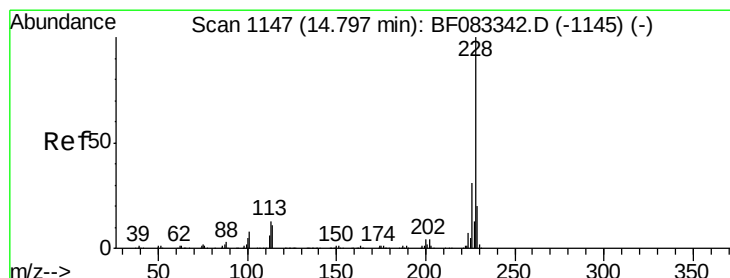
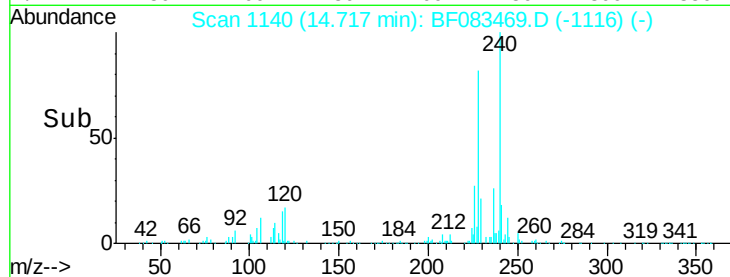
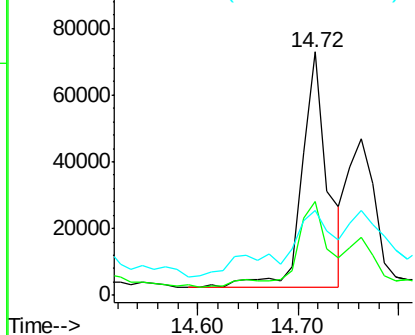
#80
Benzo(a)anthracene
Concen: 5.86 ng
RT: 14.72 min Scan# 1140
Delta R.T. -0.02 min
Lab File: BF083469.D
Acq: 3 Dec 2015 19:49

Instrument :
BNA_F
ClientSampleId :
K207-20-25

Tot Ion:228 Resp: 125278
Ion Ratio Lower Upper
228 100
226 38.4 22.2 33.4#
229 34.9 16.1 24.1#

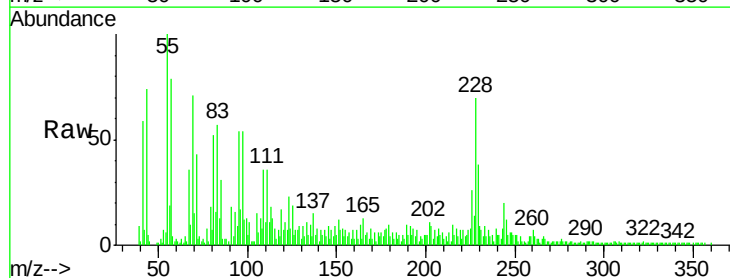


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

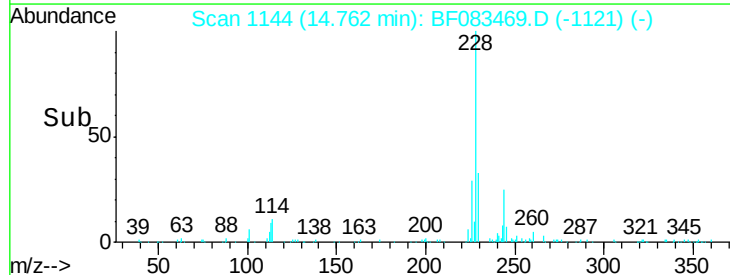
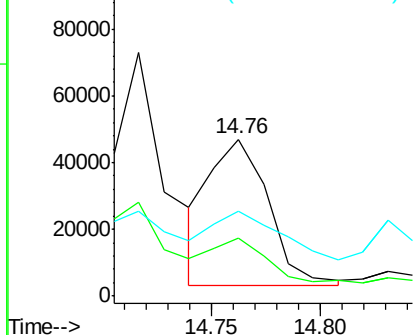


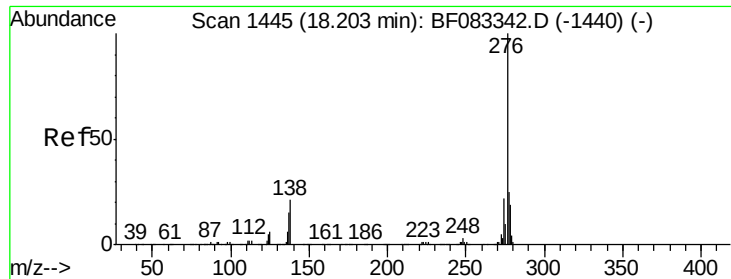
#82
Chrysene
Concen: 3.98 ng
RT: 14.76 min Scan# 1144
Delta R.T. -0.03 min
Lab File: BF083469.D
Acq: 3 Dec 2015 19:49

Tgt Ion:228 Resp: 82216
Ion Ratio Lower Upper
228 100
226 37.4 24.6 37.0#
229 54.0 16.2 24.2#



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

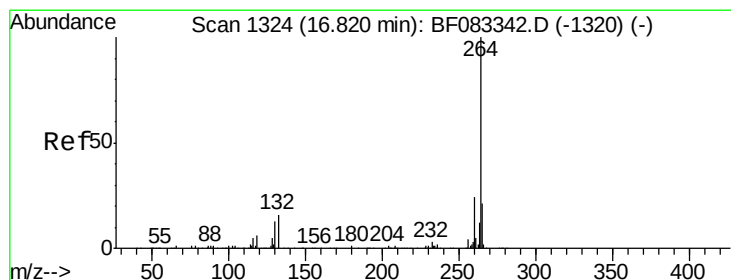
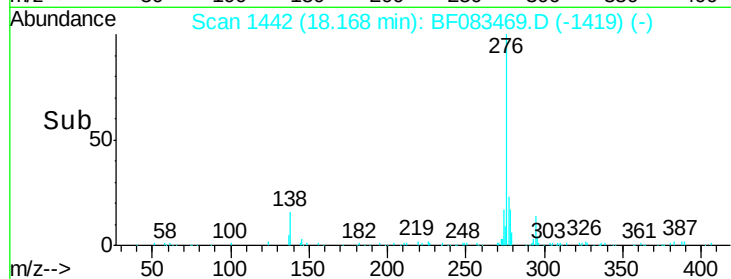
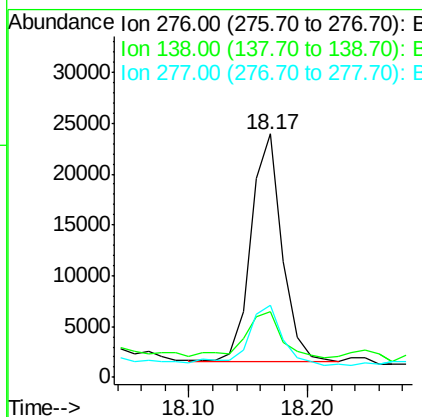
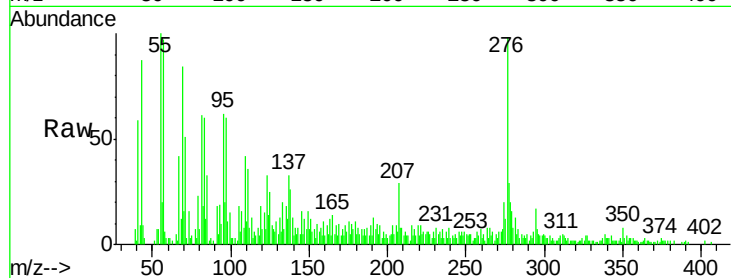




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.72 ng
 RT: 18.17 min Scan# 1442
 Delta R.T. -0.03 min
 Lab File: BF083469.D
 Acq: 3 Dec 2015 19:49

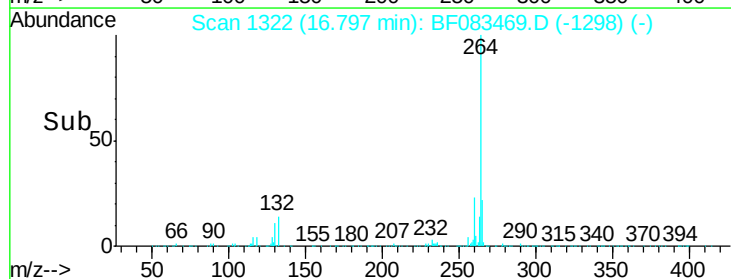
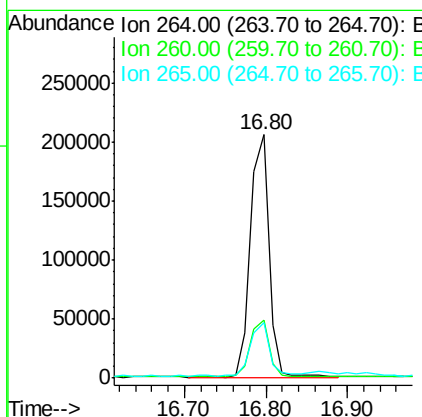
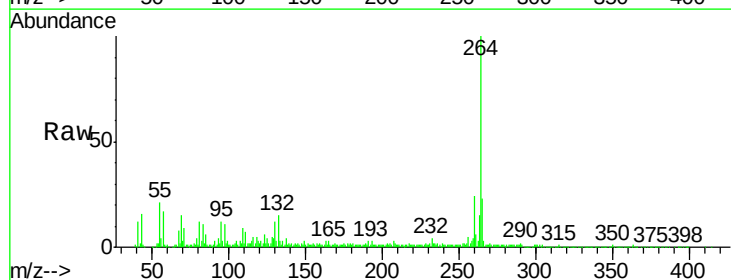
Instrument :
 BNA_F
 ClientSampleId :
 K207-20-25

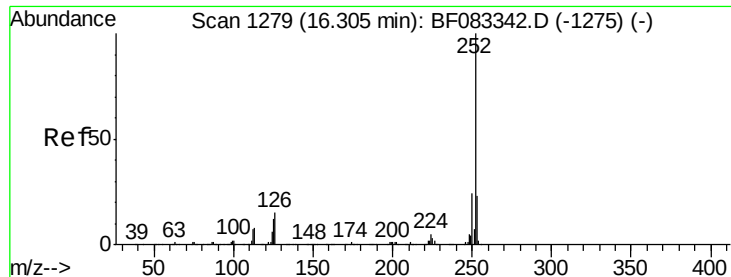
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.3	21.2	31.8
277	29.2	20.0	30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.80 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: BF083469.D
 Acq: 3 Dec 2015 19:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	22.6	16.8	25.2

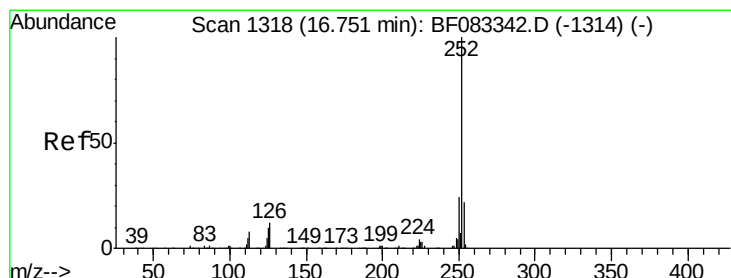
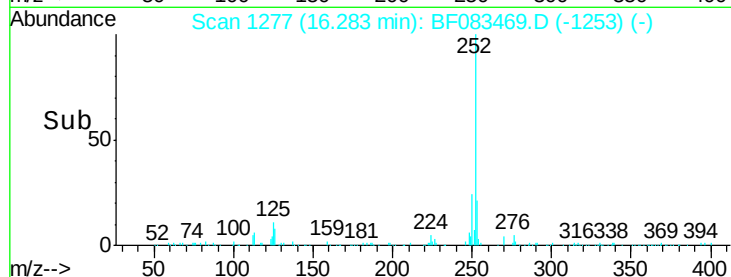
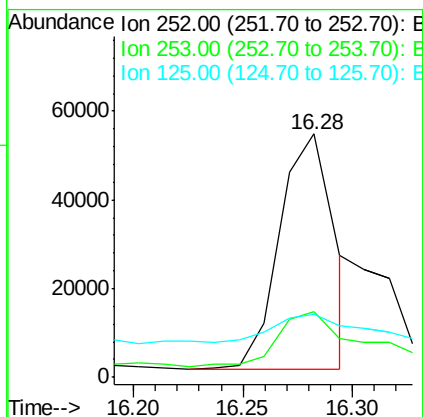
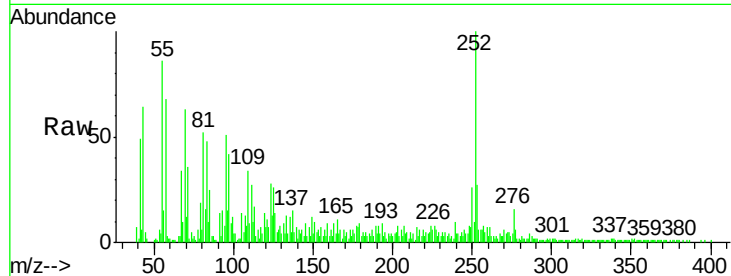




#87
Benzo(b)fluoranthene
Concen: 4.42 ng m
RT: 16.28 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF083469.D
Acq: 3 Dec 2015 19:49

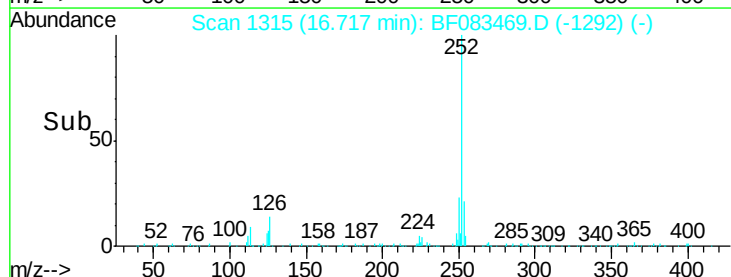
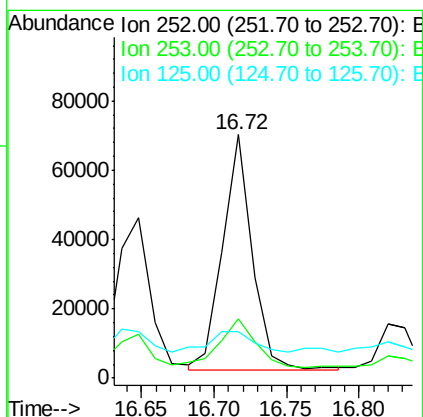
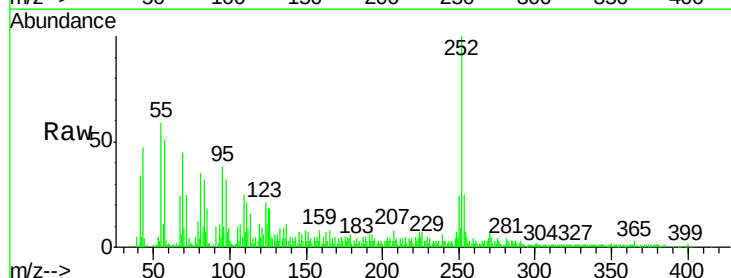
Instrument :
BNA_F
ClientSampleId :
K207-20-25

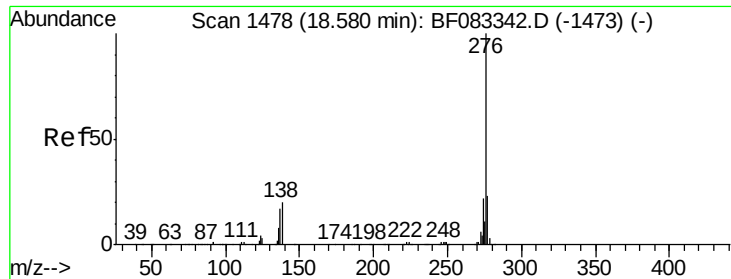
Tot Ion:252 Resp: 92192
Ion Ratio Lower Upper
252 100
253 26.8 18.4 27.6
125 26.1 9.6 14.4#



#89
Benzo(a)pyrene
Concen: 5.35 ng
RT: 16.72 min Scan# 1315
Delta R.T. -0.03 min
Lab File: BF083469.D
Acq: 3 Dec 2015 19:49

Tgt Ion:252 Resp: 95910
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 18.9 7.8 11.8#





#91
 Benzo(a,h,i)perylene
 Concen: 2.84 ng
 RT: 18.53 min Scan# 1474
 Delta R.T. -0.05 min
 Lab File: BF083469.D
 Acq: 3 Dec 2015 19:49

Instrument :
 BNA_F
 ClientSampleId :
 K207-20-25

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.6	18.6	28.0#
138	30.6	16.1	24.1#

