

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011916\
 Data File : BF084554.D
 Acq On : 19 Jan 2016 16:10
 Operator : SJ/UM
 Sample : H1169-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-001(0-2)

Manual Integrations
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Quant Time: Jan 20 09:34:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	161289	20.00	ng	-0.03
21) Naphthalene-d8	8.08	136	610192	20.00	ng	-0.05
38) Acenaphthene-d10	9.84	164	304973	20.00	ng	-0.03
63) Phenanthrene-d10	11.31	188	516791	20.00	ng	-0.05
75) Chrysene-d12	13.95	240	359938	20.00	ng	-0.05
86) Perylene-d12	15.36	264	321140	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	931719	93.44	ng	-0.05
7) Phenol-d6	6.44	99	1331115	106.29	ng	-0.03
23) Nitrobenzene-d5	7.36	82	740202	67.51	ng	-0.05
41) 2,4,6-Tribromophenol	10.62	330	316407	102.76	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1342652	76.84	ng	-0.03
78) Terphenyl-d14	12.90	244	961147	59.61	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.10	128	218002	7.87	ng	97
37) 2-Methylnaphthalene	8.80	142	228417	11.49	ng	98
48) Acenaphthylene	9.70	152	71479	2.54	ng	# 88
49) Dimethylphthalate	9.55	163	274080	12.57	ng	# 95
70) Phenanthrene	11.33	178	158375	5.86	ng	97
71) Anthracene	11.39	178	66337	2.50	ng	98
74) Fluoranthene	12.52	202	513180	18.17	ng	100
77) Pyrene	12.75	202	514028	18.20	ng	100
80) Benzo(a)anthracene	13.94	228	278015m	13.15	ng	
82) Chrysene	13.97	228	285015m	14.03	ng	
85) Indeno(1,2,3-cd)pyrene	16.72	276	174190m	10.82	ng	
87) Benzo(b)fluoranthene	14.96	252	452084m	21.52	ng	
88) Benzo(k)fluoranthene	14.98	252	77929m	4.54	ng	
89) Benzo(a)pyrene	15.30	252	230889	12.96	ng	# 96
90) Dibenzo(a,h)anthracene	16.73	278	47373m	3.09	ng	
91) Benzo(g,h,i)perylene	17.12	276	155105	9.77	ng	98

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

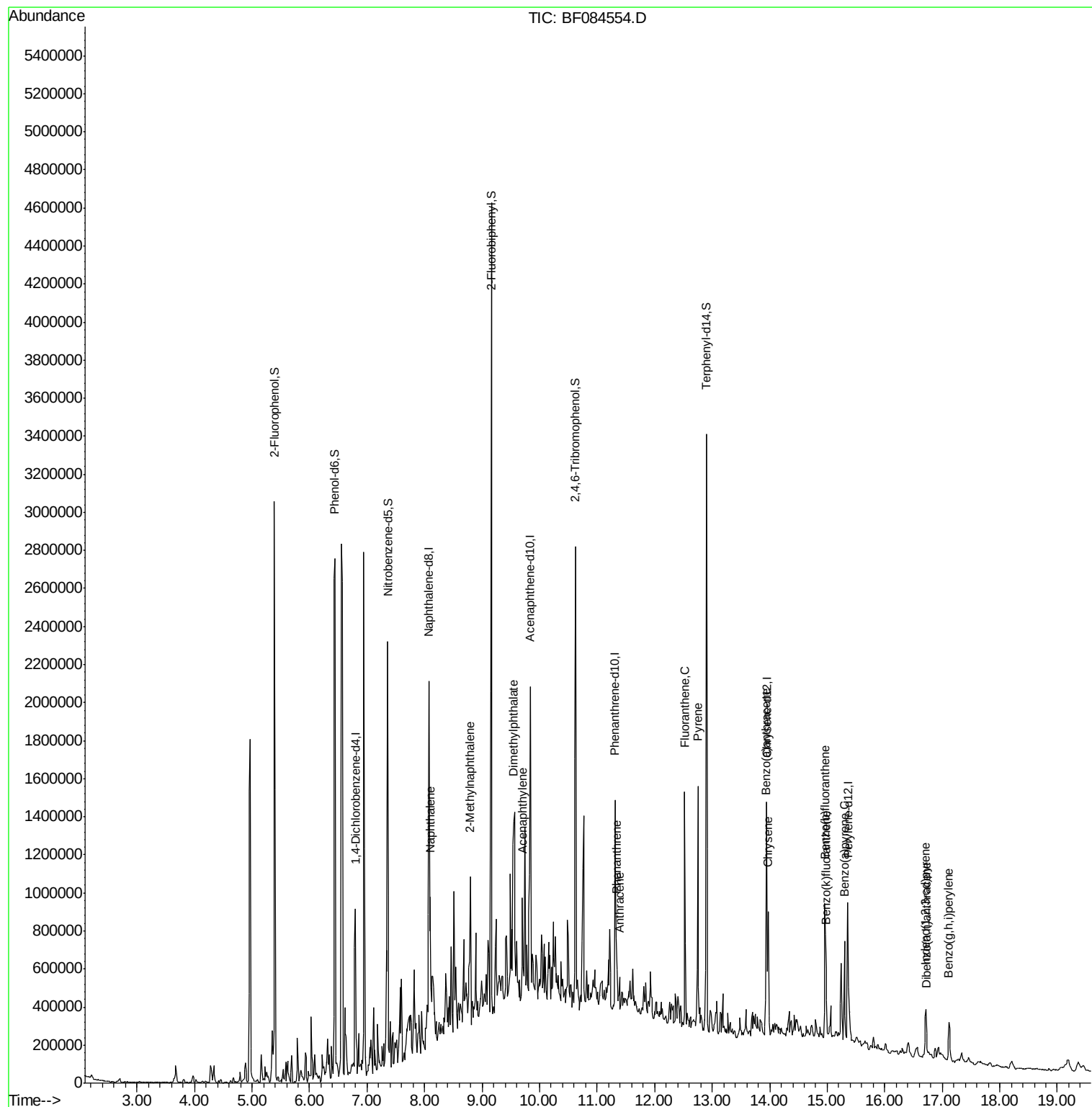
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011916\
Data File : BF084554.D
Acq On : 19 Jan 2016 16:10
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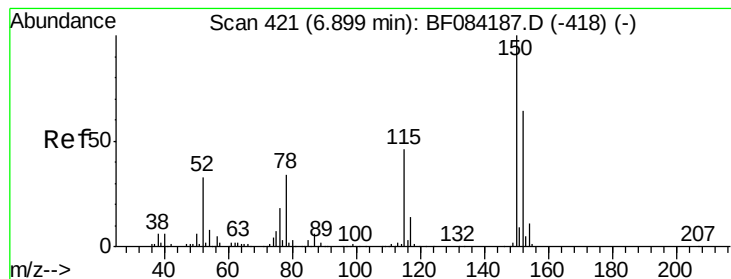
Instrument :
BNA_F
ClientSampleId :
SP-001(0-2)

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Quant Time: Jan 20 09:34:36 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration





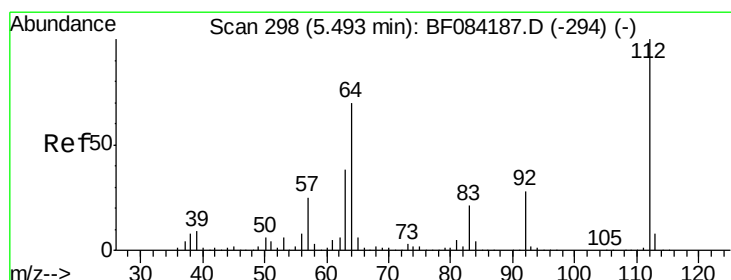
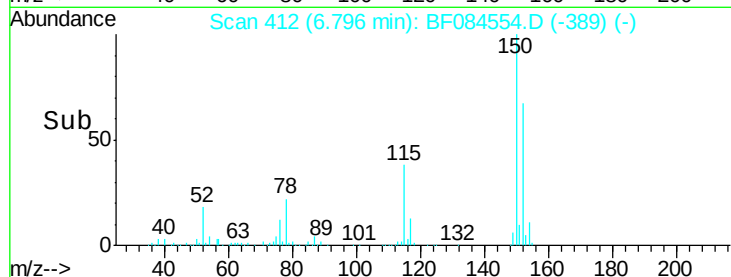
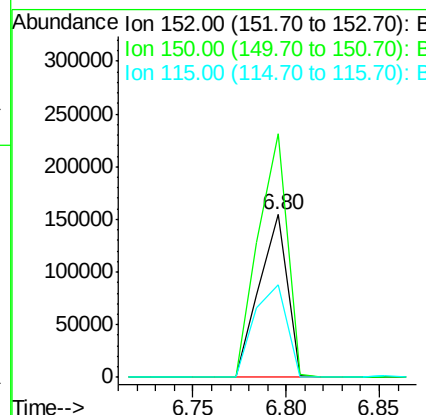
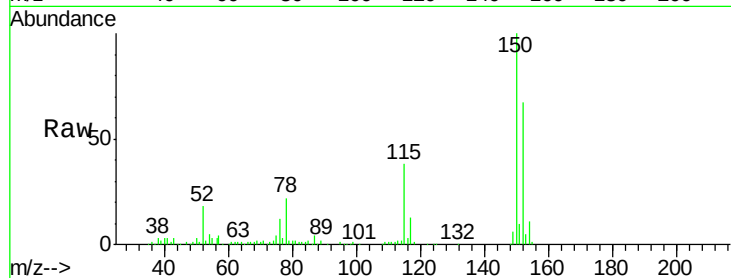
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 412
 Delta R.T. -0.03 min
 Lab File: BF084554.D
 Acq: 19 Jan 2016 16:10

Instrument :
 BNA_F
 ClientSampleId :
 SP-001(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	123.0	184.4
115	56.9	51.4	77.2

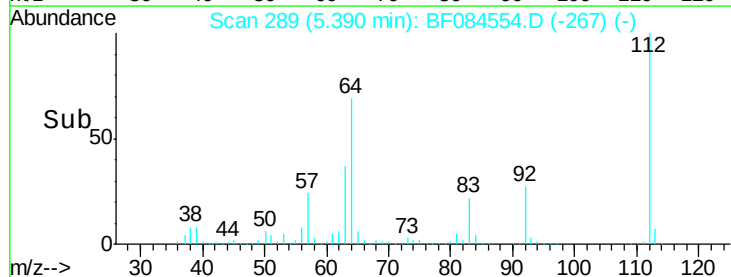
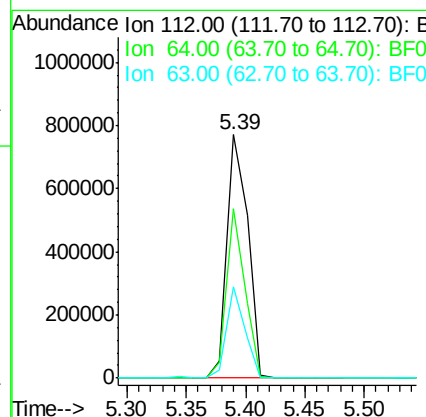
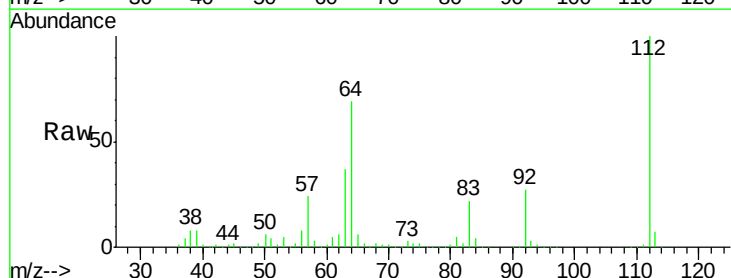
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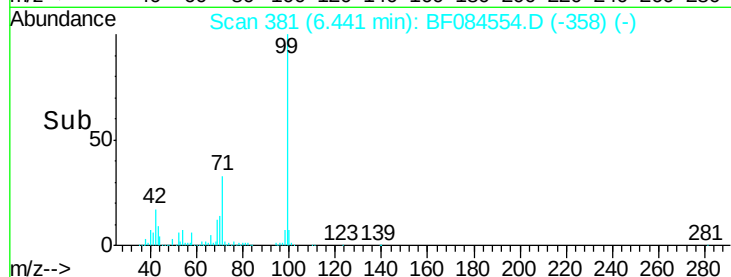
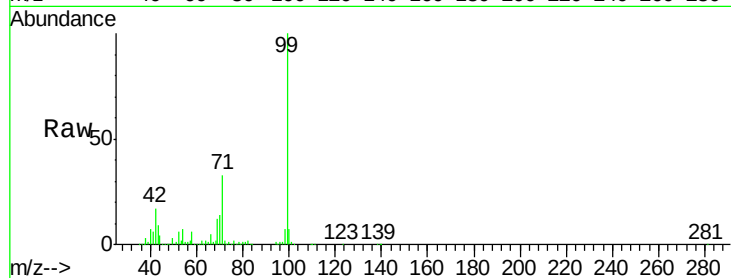
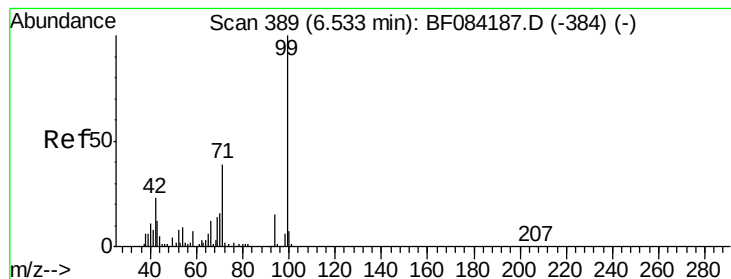
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#5
 2-Fluorophenol
 Concen: 93.44 ng
 RT: 5.39 min Scan# 289
 Delta R.T. -0.05 min
 Lab File: BF084554.D
 Acq: 19 Jan 2016 16:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	36.6	55.0#
63	37.3	19.4	29.0#





#7

Phenol-d6

Concen: 106.29 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.03 min

Lab File: BF084554.D

Acq: 19 Jan 2016 16:10

Tot Ion: 99 Resp: 1331115

Ion Ratio Lower Upper

99 100

42 16.9 12.8 19.2

71 33.5 30.9 46.3

Instrument :

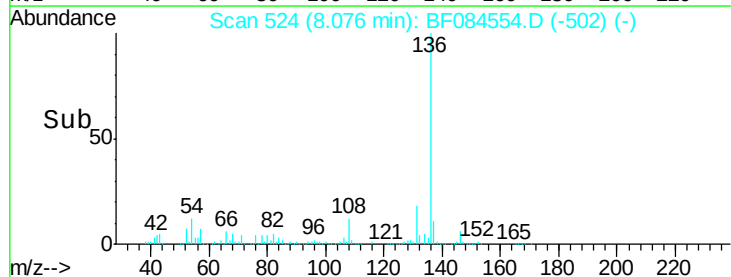
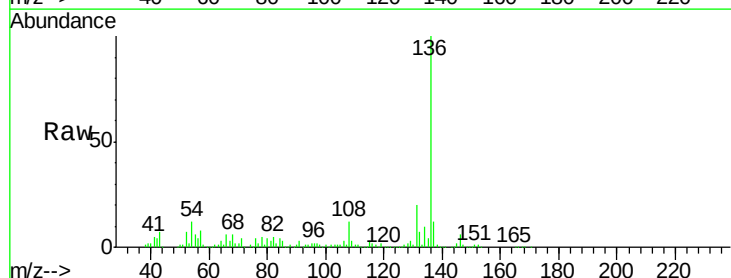
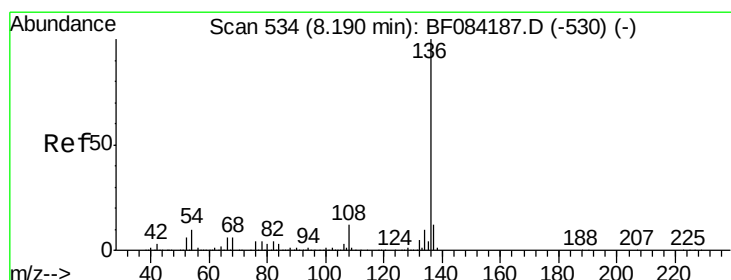
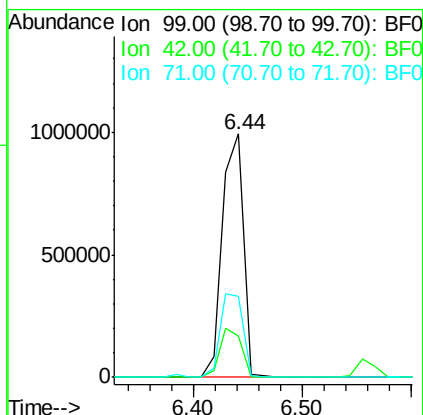
BNA_F

ClientSampleId :

SP-001(0-2)

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.05 min

Lab File: BF084554.D

Acq: 19 Jan 2016 16:10

Tgt Ion: 136 Resp: 610192

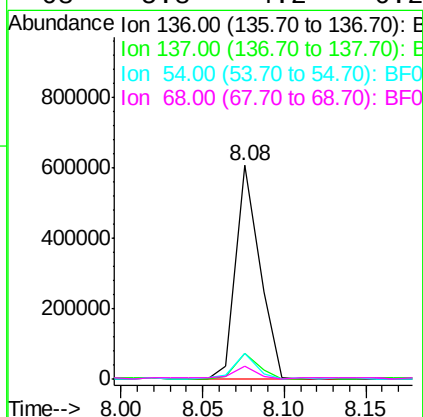
Ion Ratio Lower Upper

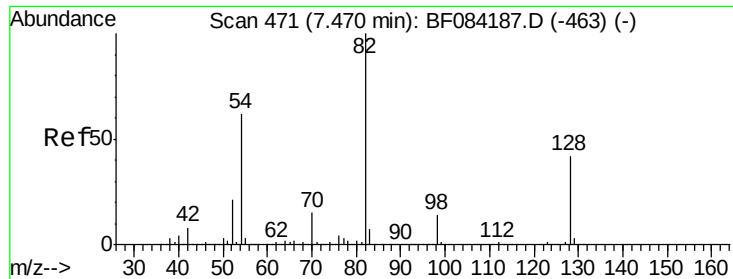
136 100

137 11.7 8.7 13.1

54 12.0 5.8 8.8#

68 5.8 4.2 6.2





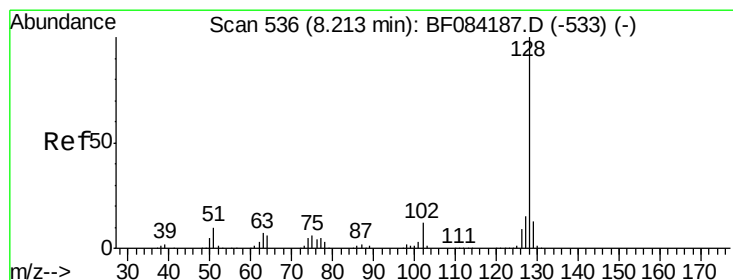
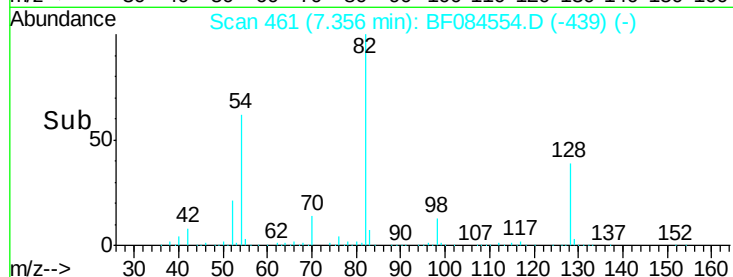
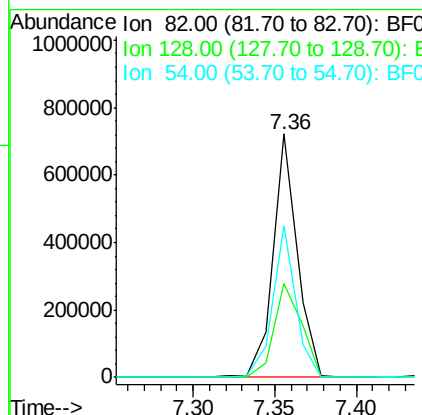
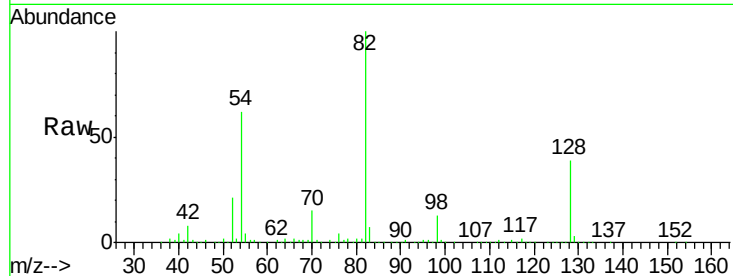
#23
 Nitrobenzene-d5
 Concen: 67.51 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.05 min
 Lab File: BF084554.D
 Acq: 19 Jan 2016 16:10

Instrument :
 BNA_F
 ClientSampleId :
 SP-001(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	740202		
128	38.6		34.6	51.8
54	62.3		38.4	57.6

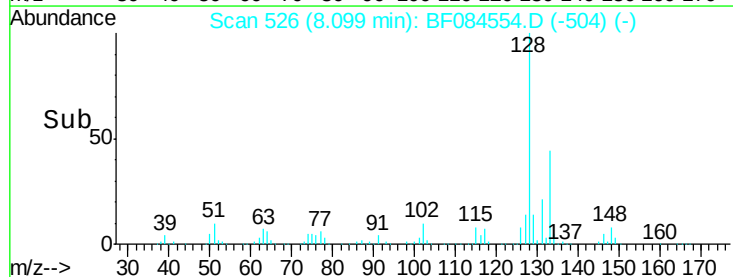
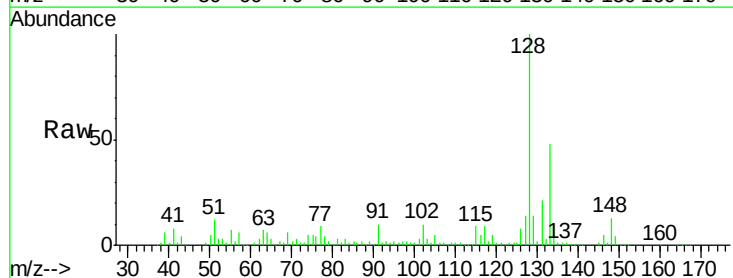
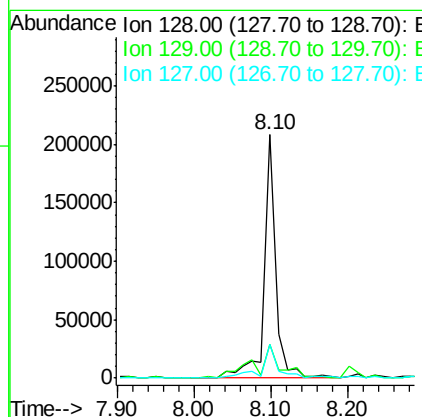
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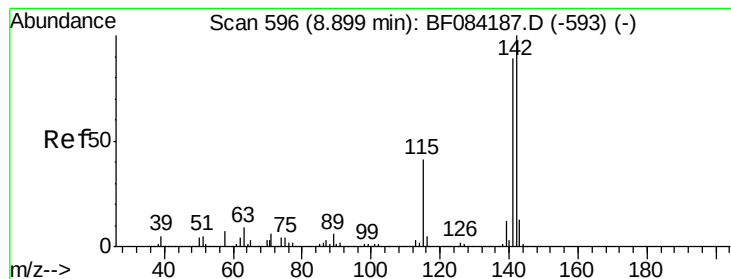
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#31
 Naphthalene
 Concen: 7.87 ng
 RT: 8.10 min Scan# 526
 Delta R.T. -0.05 min
 Lab File: BF084554.D
 Acq: 19 Jan 2016 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	218002		
129	13.6		9.1	13.7
127	13.9		11.1	16.7





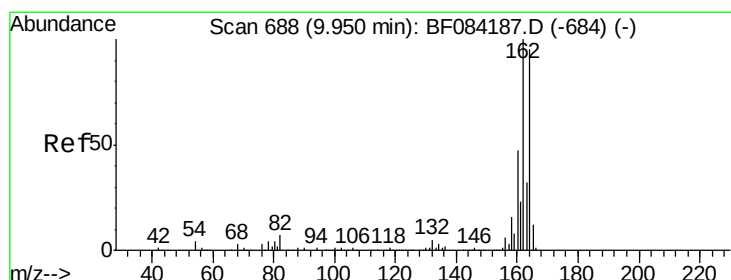
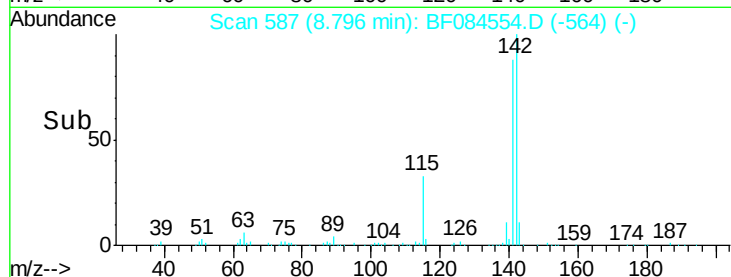
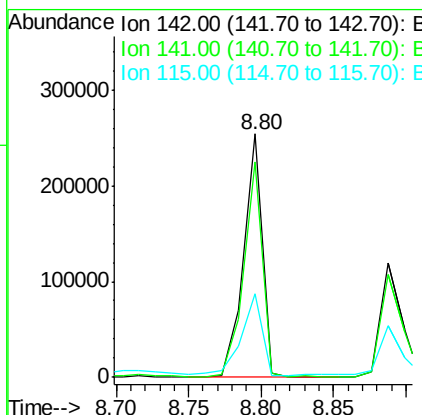
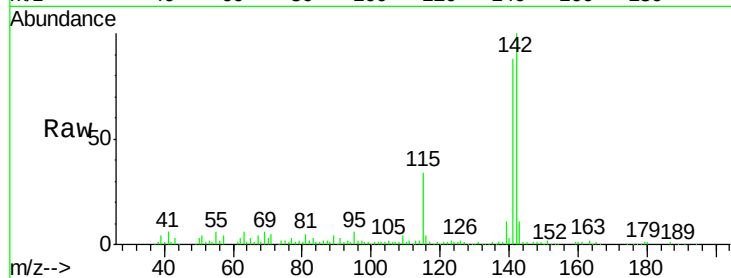
#37
2-Methylnaphthalene
Concen: 11.49 ng
RT: 8.80 min Scan# 587
Delta R.T. -0.03 min
Lab File: BF084554.D
Acq: 19 Jan 2016 16:10

Instrument :
BNA_F
ClientSampleId :
SP-001(0-2)

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.4	108.6
115	34.3	27.9	41.9

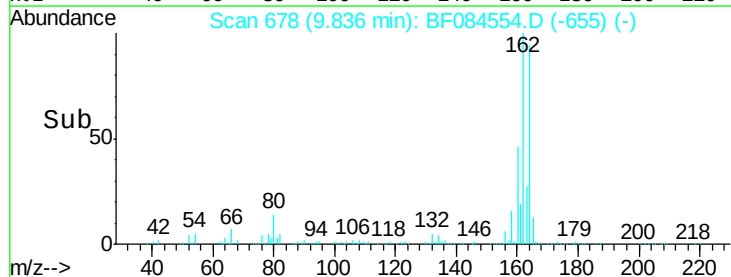
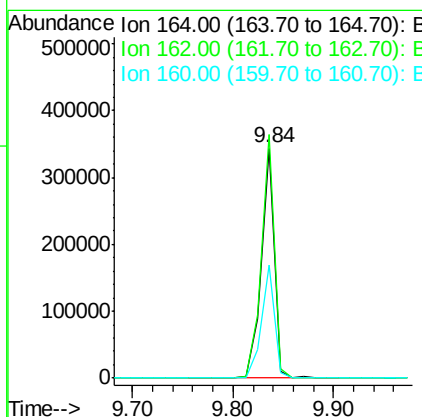
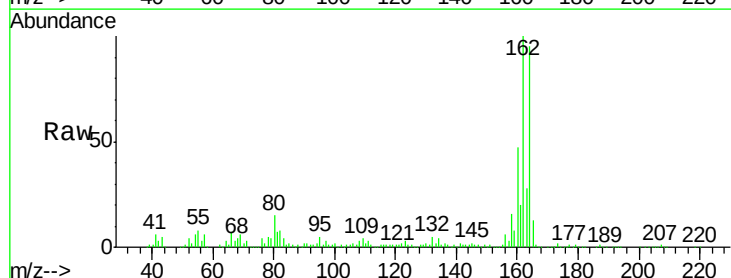
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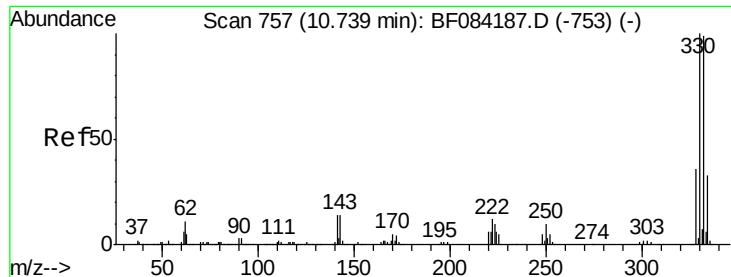
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.03 min
Lab File: BF084554.D
Acq: 19 Jan 2016 16:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	85.1	127.7
160	49.3	37.5	56.3





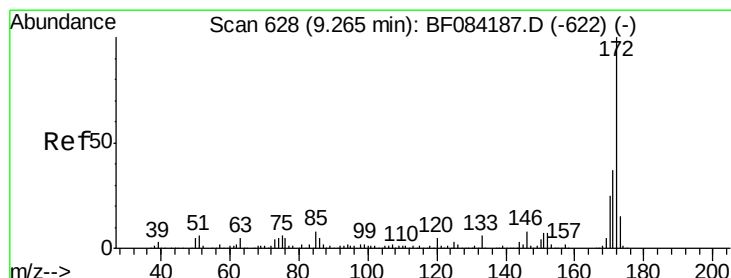
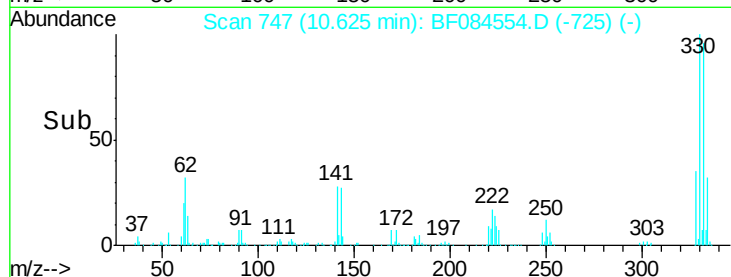
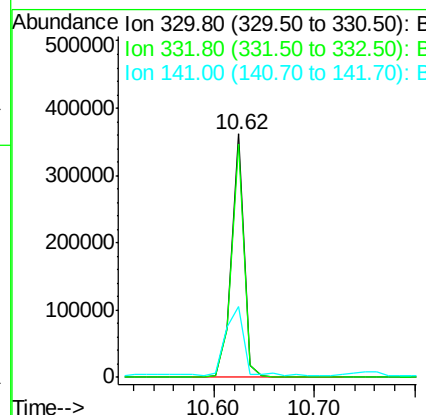
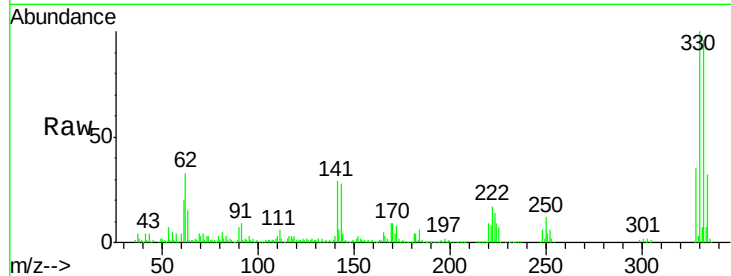
#41
 2,4,6-Tribromophenol
 Concen: 102.76 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.05 min
 Lab File: BF084554.D
 Acq: 19 Jan 2016 16:10

Instrument :
 BNA_F
 ClientSampleId :
 SP-001(0-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	114.8
141	41.2	27.8	41.6

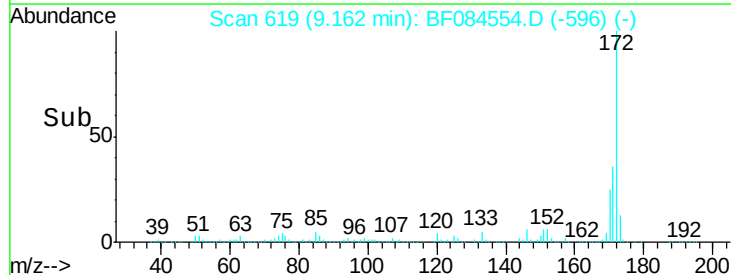
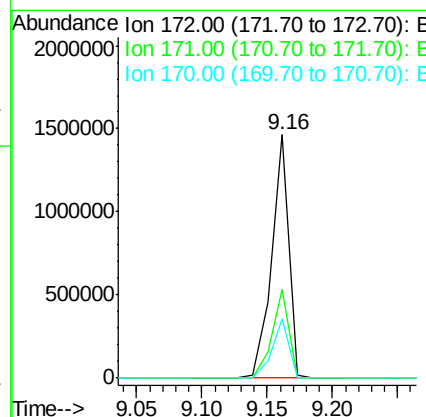
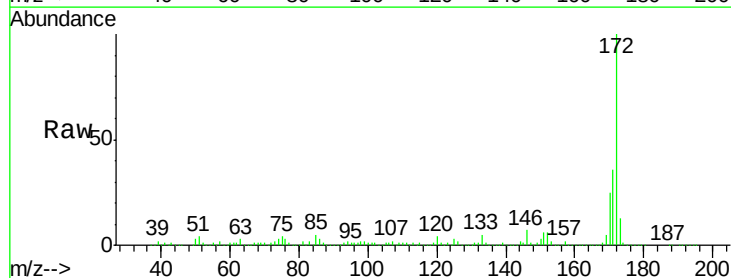
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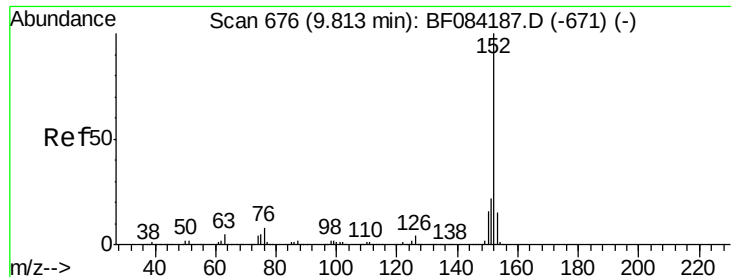
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#44
 2-Fluorobiphenyl
 Concen: 76.84 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.03 min
 Lab File: BF084554.D
 Acq: 19 Jan 2016 16:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.9	43.3
170	24.5	18.6	27.8





#48

Acenaphthylene

Concen: 2.54 ng

RT: 9.70 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF084554.D

Acq: 19 Jan 2016 16:10

Instrument :

BNA_F

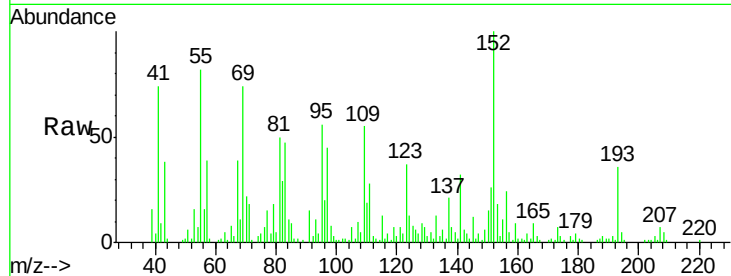
ClientSampleId :

SP-001(0-2)

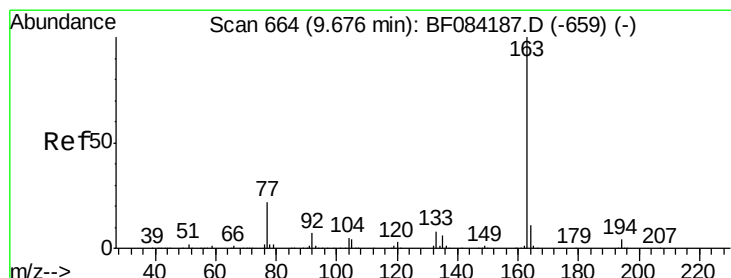
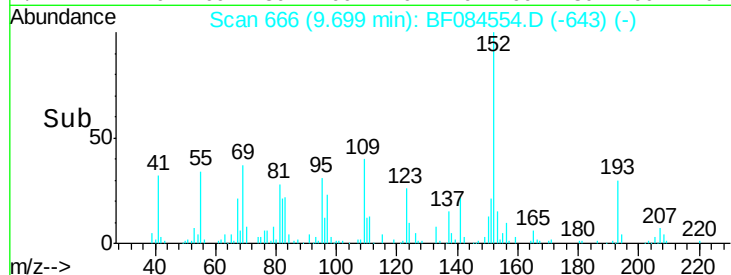
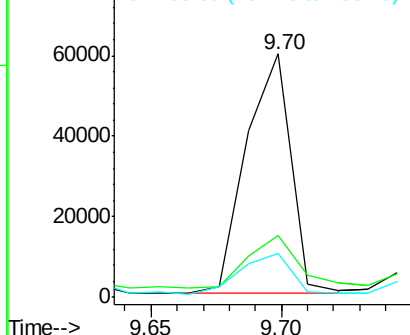
Tot Ion:	152	Resp:	71479
Ion Ratio	Lower	Upper	
152	100		
151	25.6	16.3	24.5#
153	17.8	10.4	15.6#

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



#49

Dimethylphthalate

Concen: 12.57 ng

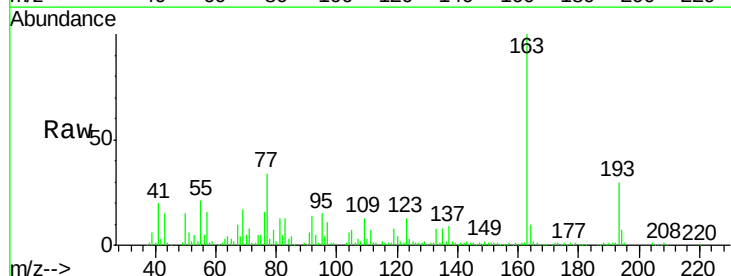
RT: 9.55 min Scan# 653

Delta R.T. -0.06 min

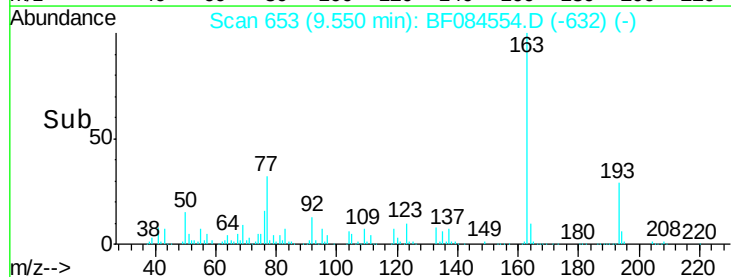
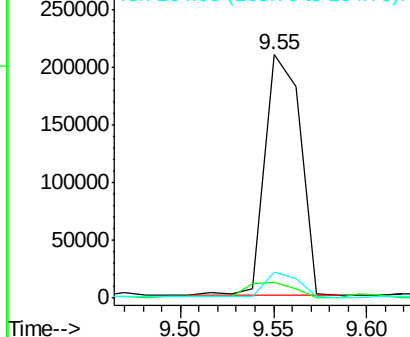
Lab File: BF084554.D

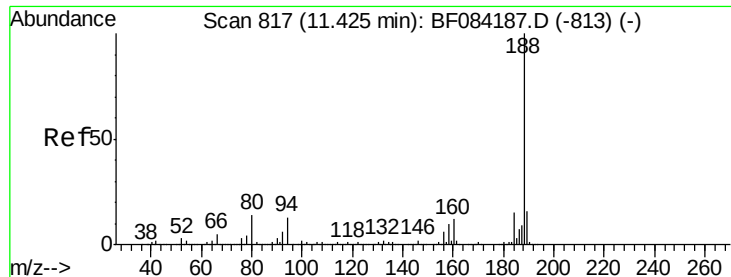
Acq: 19 Jan 2016 16:10

Tgt Ion:	163	Resp:	274080
Ion Ratio	Lower	Upper	
163	100		
194	6.7	8.0	12.0#
164	10.5	8.0	12.0



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.05 min

Lab File: BF084554.D

Acq: 19 Jan 2016 16:10

Instrument :

BNA_F

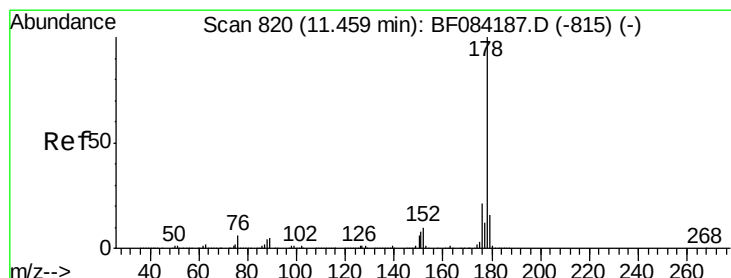
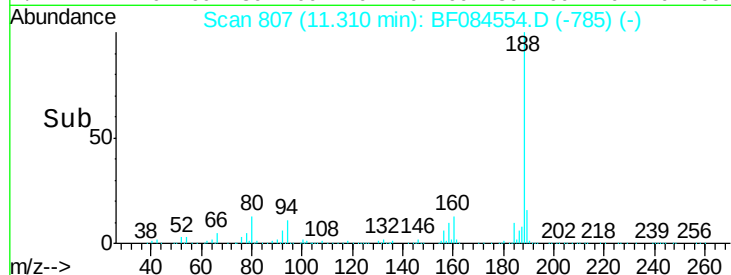
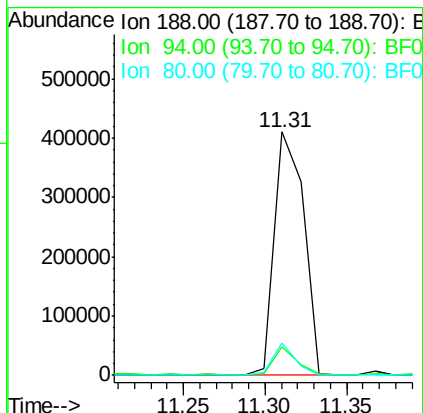
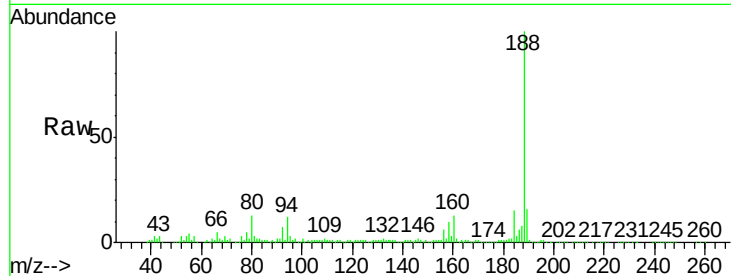
ClientSampled :

SP-001(0-2)

Tot Ion:	188	Resp:	516791
Ion Ratio	Lower	Upper	
188	100		
94	11.8	9.0	13.4
80	13.2	9.6	14.4

Manual Integrations
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#70

Phenanthrene

Concen: 5.86 ng

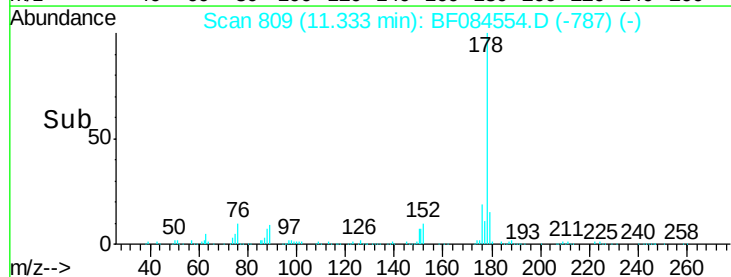
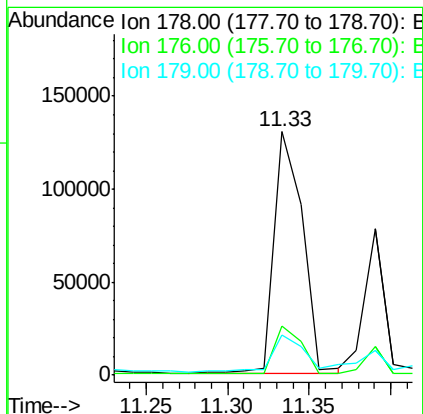
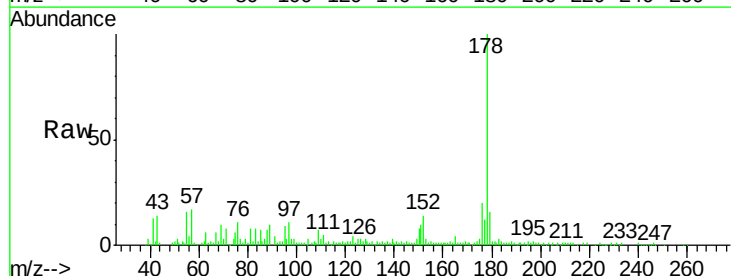
RT: 11.33 min Scan# 809

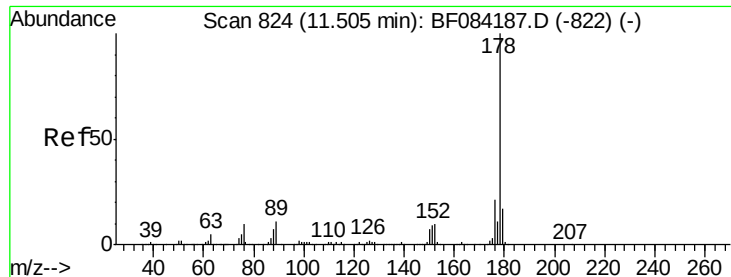
Delta R.T. -0.05 min

Lab File: BF084554.D

Acq: 19 Jan 2016 16:10

Tgt Ion:	178	Resp:	158375
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.3	22.9
179	16.2	12.0	18.0





#71

Anthracene

Concen: 2.50 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.05 min

Lab File: BF084554.D

Acq: 19 Jan 2016 16:10

Instrument :

BNA_F

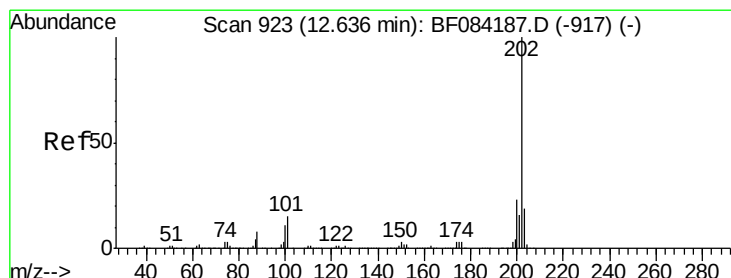
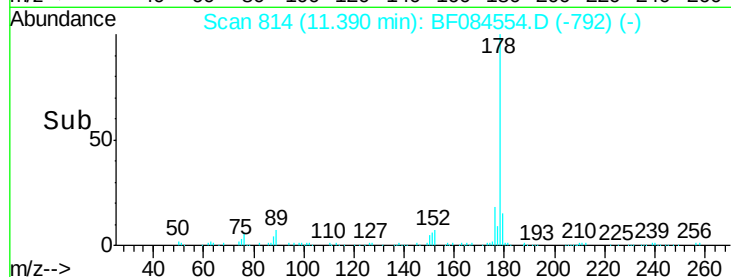
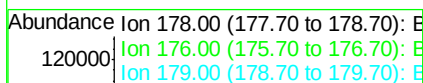
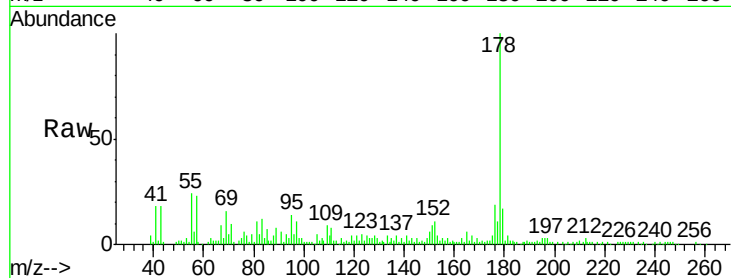
ClientSampleId :

SP-001(0-2)

Tot Ion:	178	Resp:	66337
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.4	23.0
179	17.2	12.5	18.7

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#74

Fluoranthene

Concen: 18.17 ng

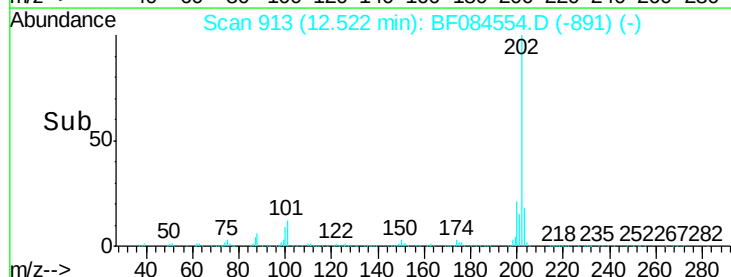
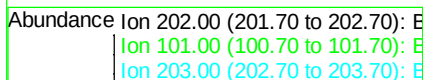
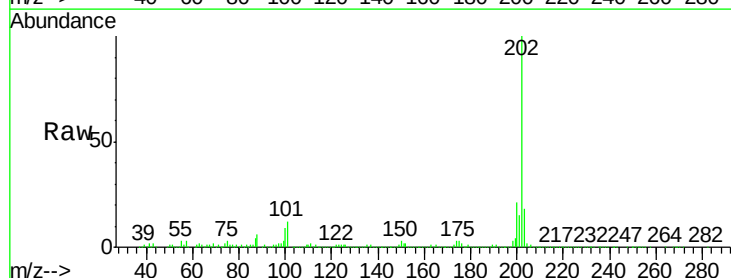
RT: 12.52 min Scan# 913

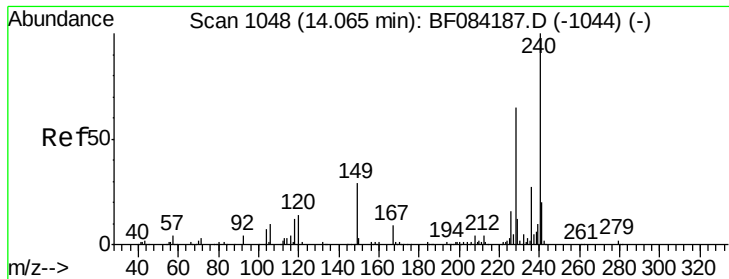
Delta R.T. -0.05 min

Lab File: BF084554.D

Acq: 19 Jan 2016 16:10

Tgt Ion:	202	Resp:	513180
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	32.8
203	17.8	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.05 min

Lab File: BF084554.D

Acq: 19 Jan 2016 16:10

Instrument :

BNA_F

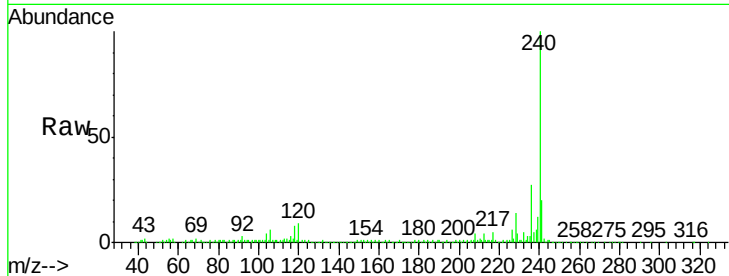
ClientSampled :

SP-001(0-2)

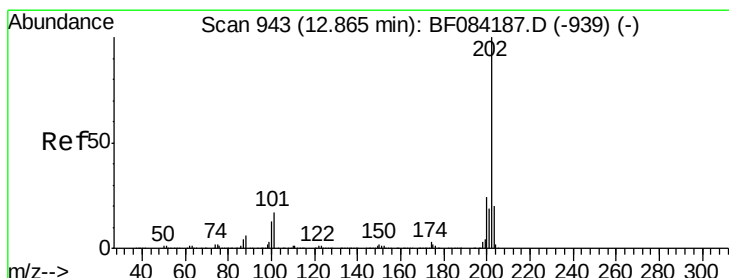
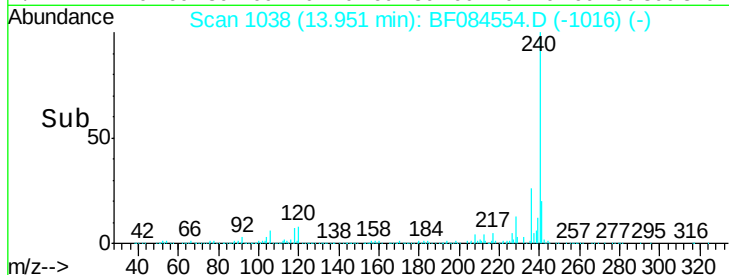
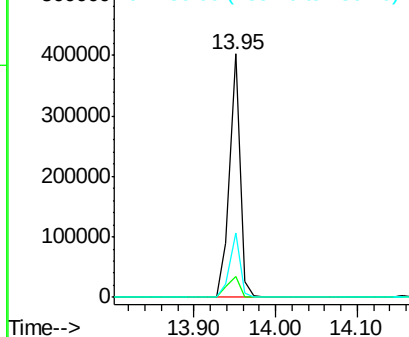
Tot Ion:	240	Resp:	359938
Ion Ratio	Lower	Upper	
240	100		
120	8.6	9.5	14.3#
236	26.6	20.6	31.0

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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

Pyrene

Concen: 18.20 ng

RT: 12.75 min Scan# 933

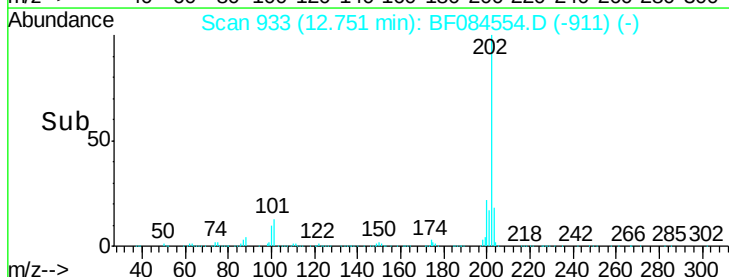
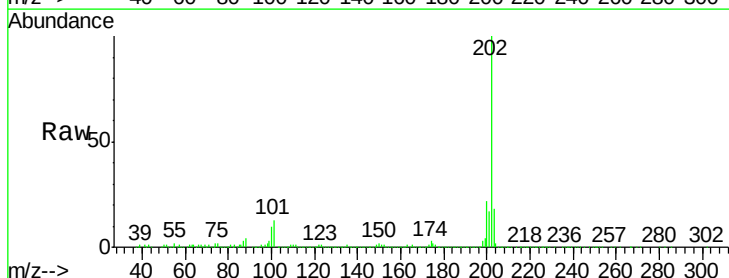
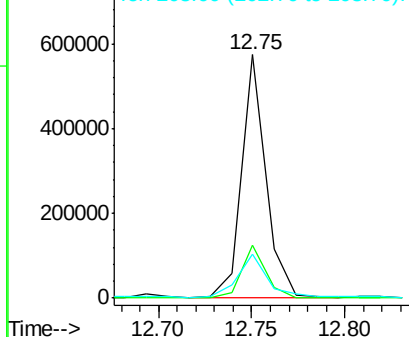
Delta R.T. -0.05 min

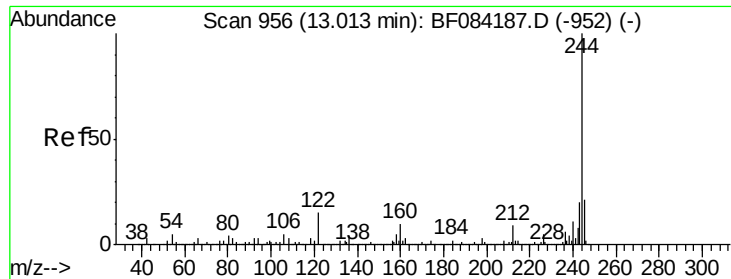
Lab File: BF084554.D

Acq: 19 Jan 2016 16:10

Tgt Ion:	202	Resp:	514028
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.2	25.8
203	18.1	14.3	21.5

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: 59.61 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.05 min

Lab File: BF084554.D

Acq: 19 Jan 2016 16:10

Instrument :

BNA_F

ClientSampleId :

SP-001(0-2)

Tot Ion:244 Resp: 961147

Ion Ratio Lower Upper

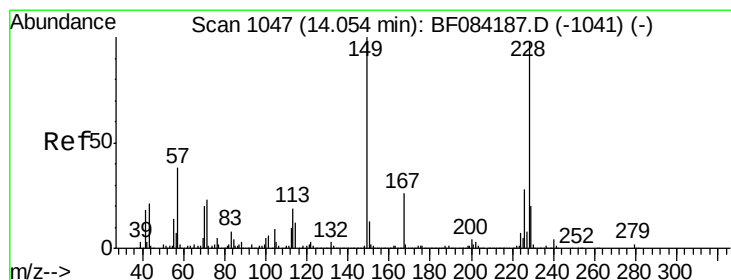
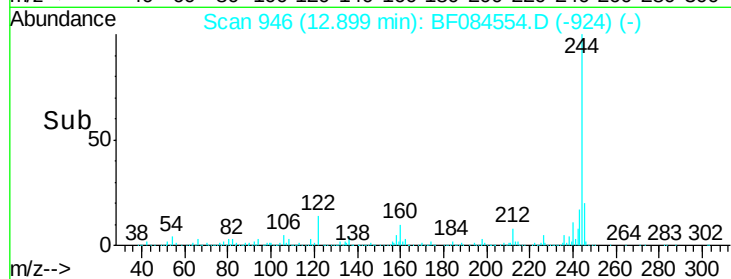
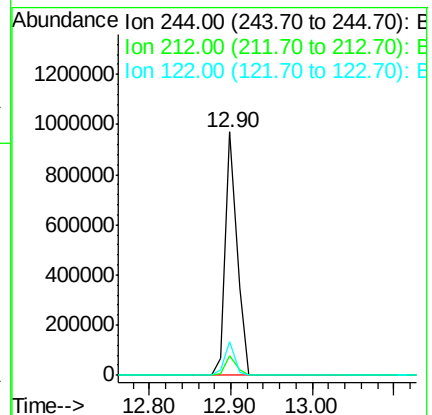
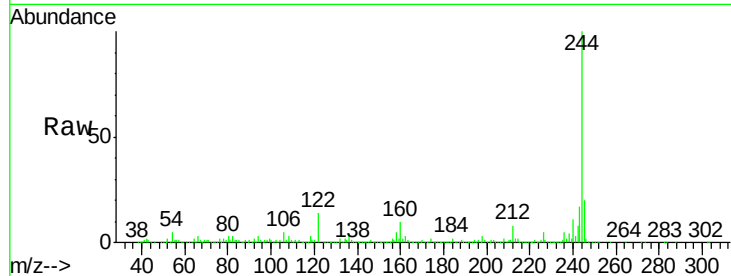
244 100

212 7.9 5.7 8.5

122 14.0 7.4 11.0#

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#80

Benzo(a)anthracene

Concen: 13.15 ng m

RT: 13.94 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BF084554.D

Acq: 19 Jan 2016 16:10

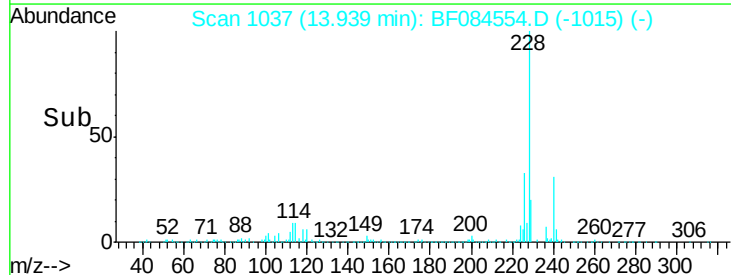
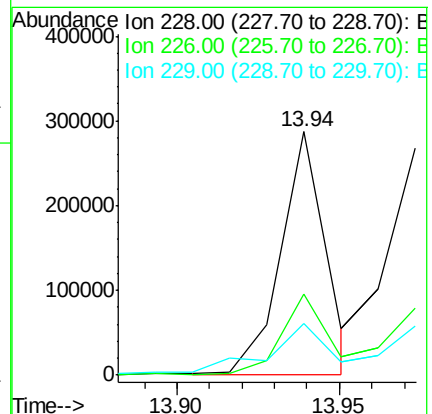
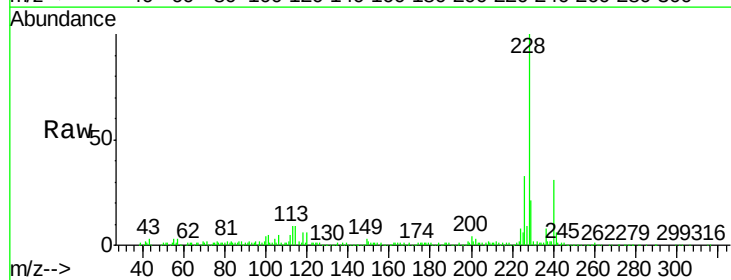
Tgt Ion:228 Resp: 278015

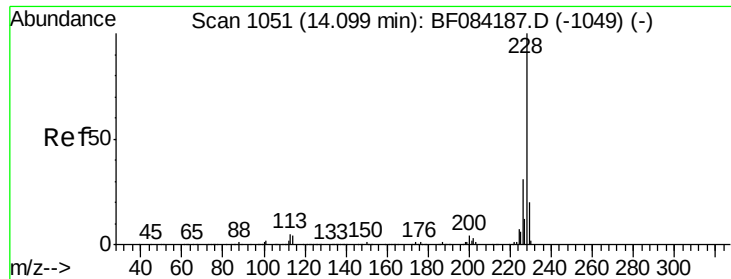
Ion Ratio Lower Upper

228 100

226 33.2 21.8 32.6#

229 21.2 15.8 23.8





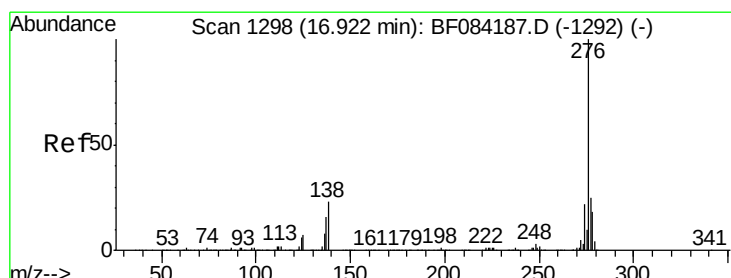
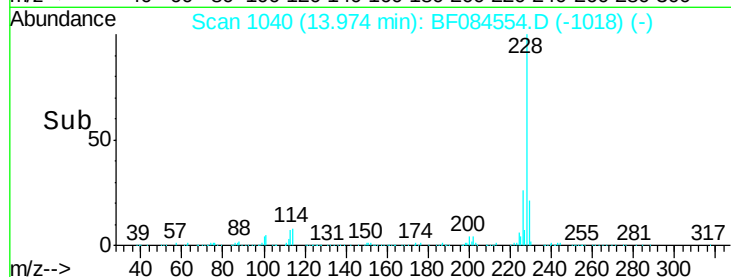
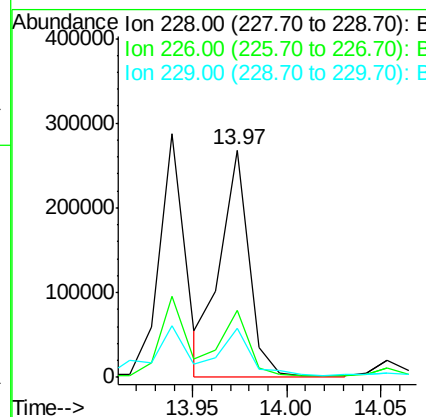
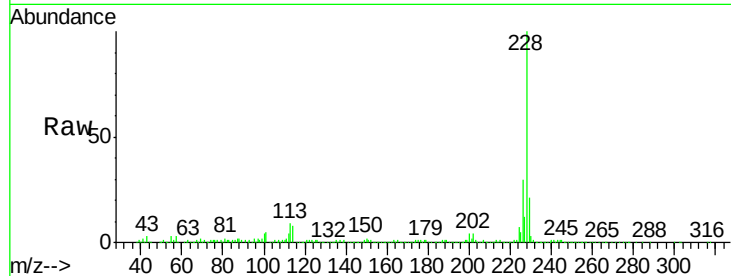
#82
Chrysene
Concen: 14.03 ng m
RT: 13.97 min Scan# 1040
Delta R.T. -0.05 min
Lab File: BF084554.D
Acq: 19 Jan 2016 16:10

Instrument :
BNA_F
ClientSampleId :
SP-001(0-2)

Tot Ion:	228	Resp:	285015
Ion Ratio		Lower	Upper
228	100		
226	29.5	24.3	36.5
229	21.5	16.1	24.1

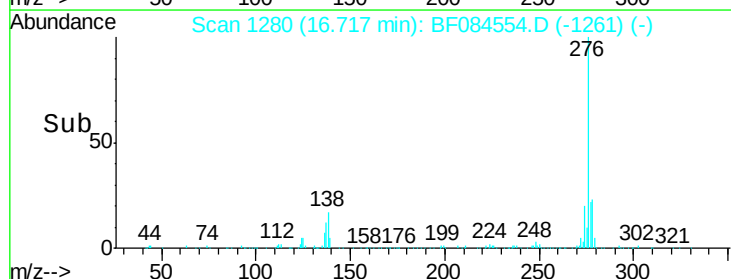
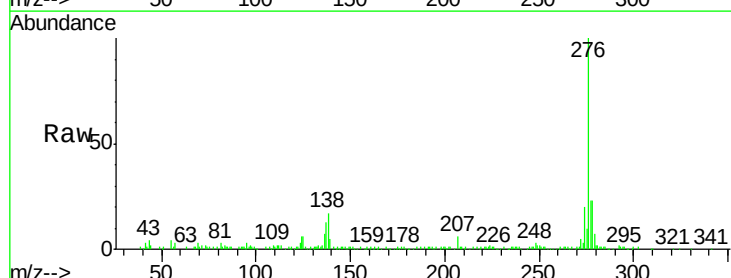
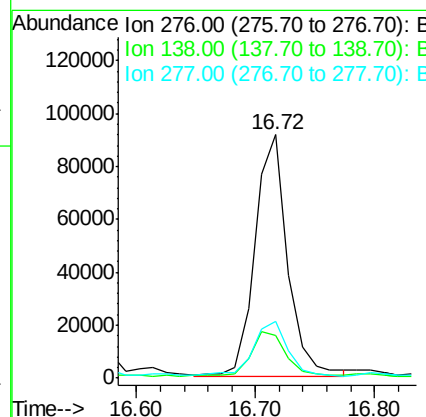
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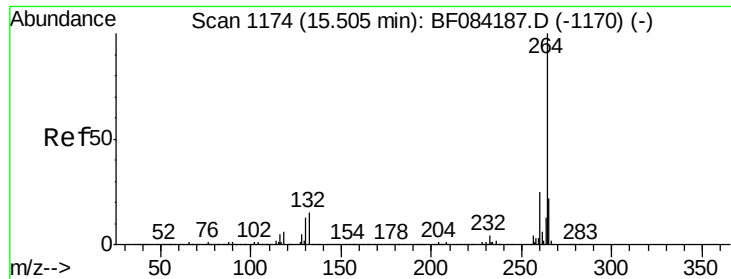
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#85
Indeno(1,2,3-cd)pyrene
Concen: 10.82 ng m
RT: 16.72 min Scan# 1280
Delta R.T. -0.08 min
Lab File: BF084554.D
Acq: 19 Jan 2016 16:10

Tgt Ion:	276	Resp:	174190
Ion Ratio		Lower	Upper
276	100		
138	4.9	20.6	30.8#
277	4.5	20.1	30.1#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 1161

Delta R.T. -0.06 min

Lab File: BF084554.D

Acq: 19 Jan 2016 16:10

Instrument :

BNA_F

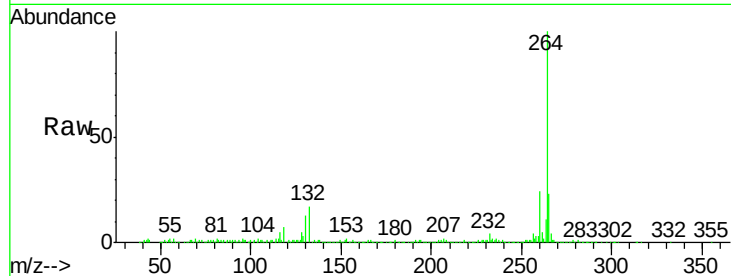
ClientSampleId :

SP-001(0-2)

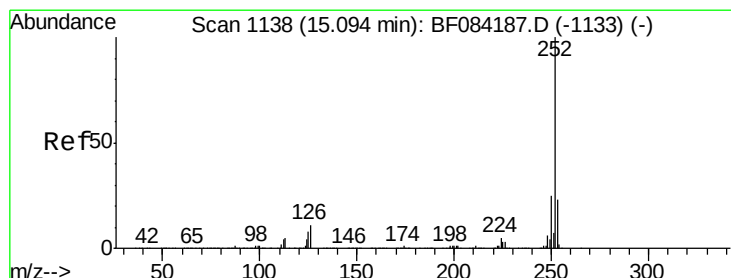
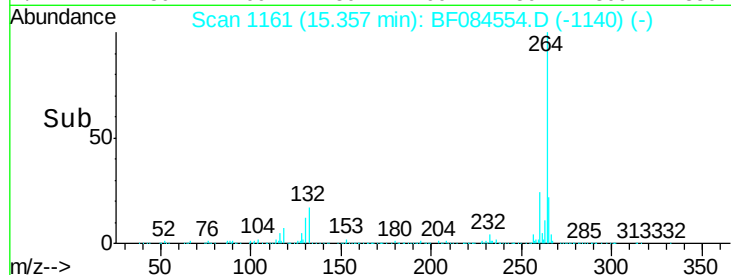
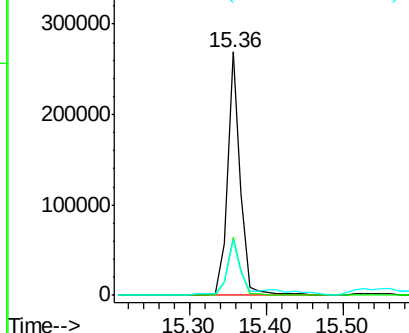
Tot Ion:	264	Resp:	321140
Ion Ratio		Lower	Upper
264	100		
260	23.9	19.4	29.2
265	22.5	17.8	26.6

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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



#87

Benzo(b)fluoranthene

Concen: 21.52 ng m

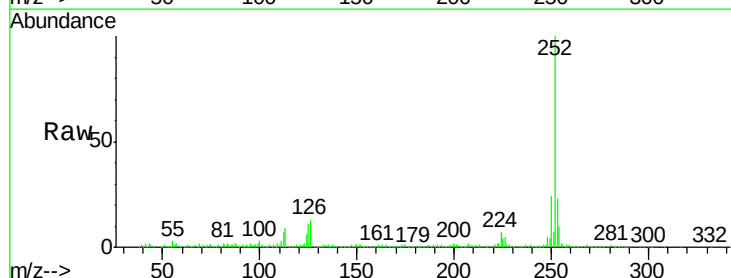
RT: 14.96 min Scan# 1126

Delta R.T. -0.06 min

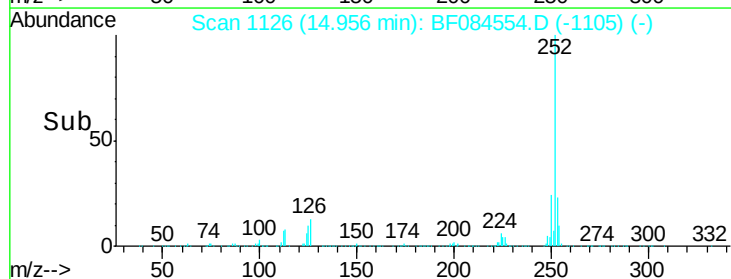
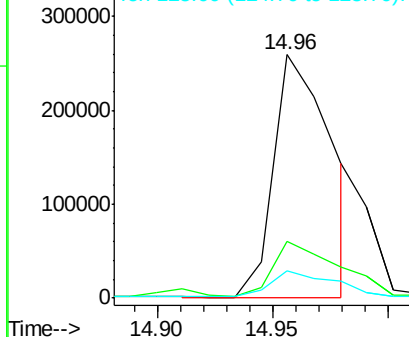
Lab File: BF084554.D

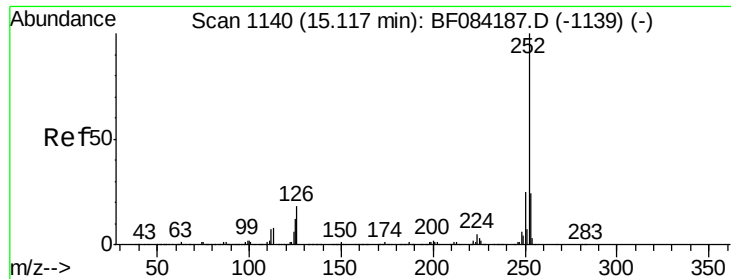
Acq: 19 Jan 2016 16:10

Tgt Ion:	252	Resp:	452084
Ion Ratio		Lower	Upper
252	100		
253	23.2	17.3	25.9
125	11.0	6.5	9.7#



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





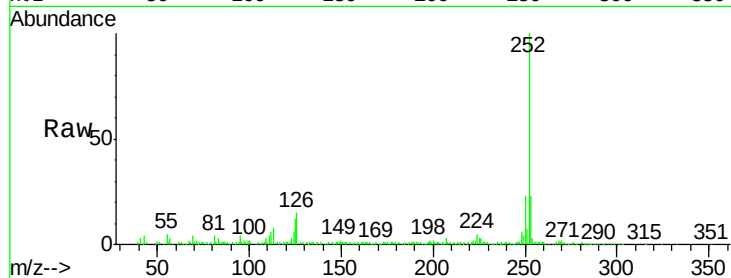
#88
Benzo(k)fluoranthene
Concen: 4.54 ng m
RT: 14.98 min Scan# 1128
Delta R.T. -0.06 min
Lab File: BF084554.D
Acq: 19 Jan 2016 16:10

Instrument :
BNA_F
ClientSampleId :
SP-001(0-2)

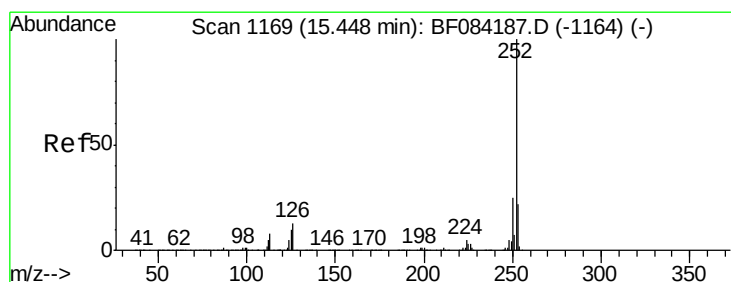
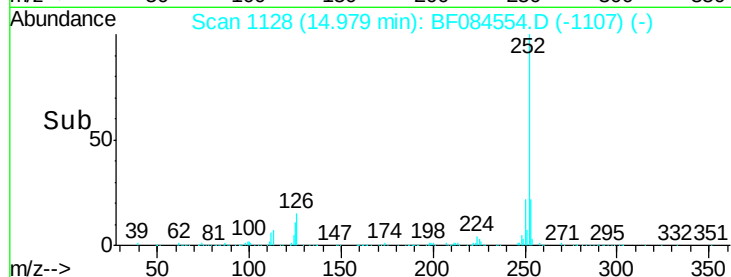
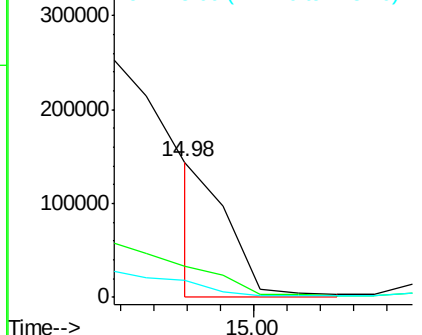
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	12.2	9.0	13.6

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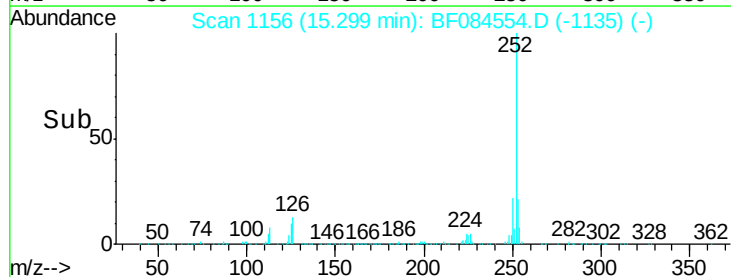
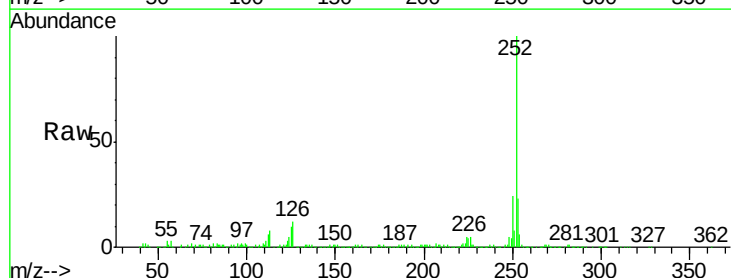
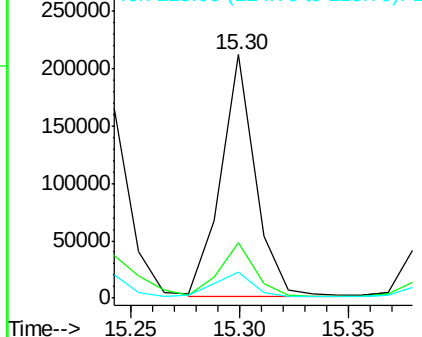
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

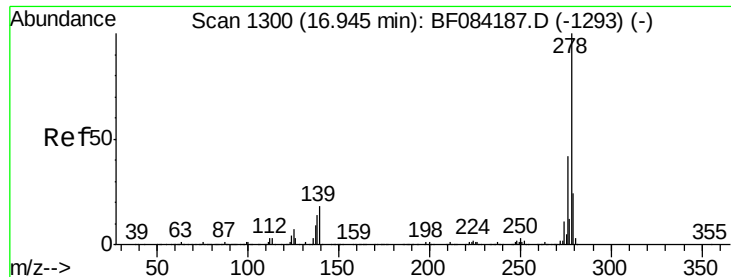


#89
Benzo(a)pyrene
Concen: 12.96 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF084554.D
Acq: 19 Jan 2016 16:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	10.5	7.0	10.4

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





#90

Dibenzo(a,h)anthracene

Concen: 3.09 ng/mL

RT: 16.73 min Scan# 1281

Delta R.T. -0.08 min

Lab File: BF084554.D

Acq: 19 Jan 2016 16:10

Instrument :

BNA_F

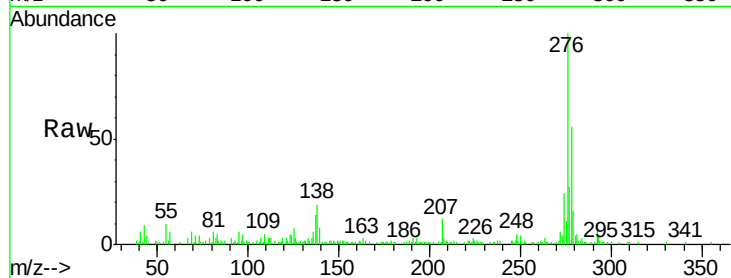
ClientSampleId :

SP-001(0-2)

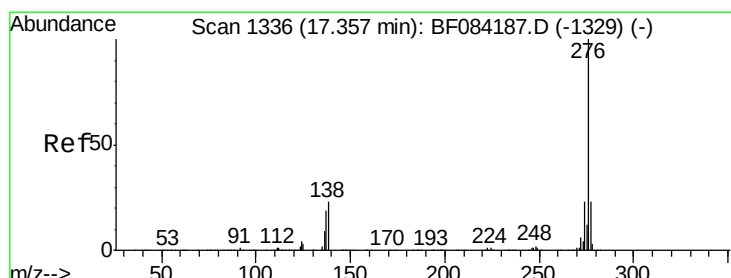
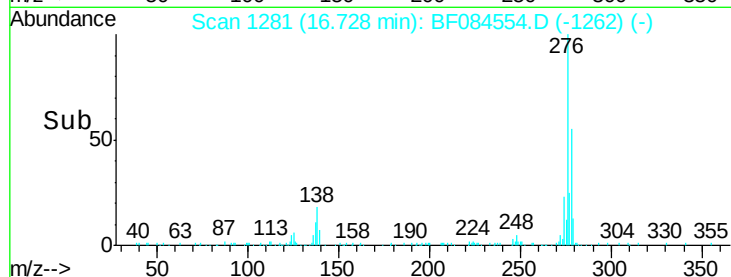
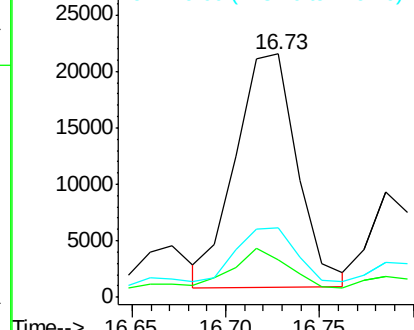
Tot Ion:	278	Resp:	47373
Ion Ratio	Lower	Upper	
278	100		
139	15.2	15.0	22.4
279	28.5	18.9	28.3

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.77 ng/mL

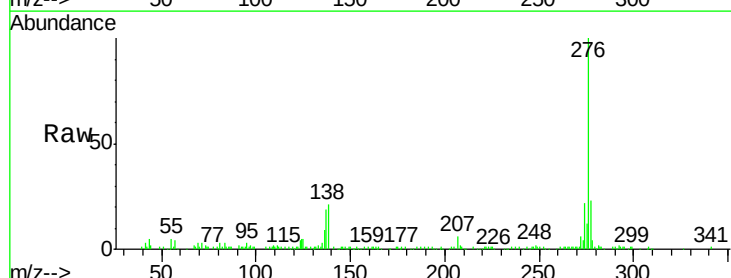
RT: 17.12 min Scan# 1315

Delta R.T. -0.10 min

Lab File: BF084554.D

Acq: 19 Jan 2016 16:10

Tgt Ion:	276	Resp:	155105
Ion Ratio	Lower	Upper	
276	100		
277	22.5	18.8	28.2
138	20.9	17.8	26.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

