

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
 Data File : BF083385.D
 Acq On : 1 Dec 2015 21:27
 Operator : UM/IZ
 Sample : G4593-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-14.5

Manual Integrations
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 12/2/2015 6:12:53 PM

Quant Time: Dec 02 03:58:13 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	6.54	152	147775	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	578002	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	293450	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	530241	20.00	ng	0.00
75) Chrysene-d12	14.75	240	371156	20.00	ng	-0.01
86) Perylene-d12	16.82	264	321030	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	1320654	134.10	ng	0.01
7) Phenol-d6	6.22	99	1787762	132.63	ng	0.00
23) Nitrobenzene-d5	7.12	82	1115566	84.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	340017	115.42	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	1808512	87.82	ng	0.00
78) Terphenyl-d14	13.22	244	1606495	103.22	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.32	163	342931	14.38	ng	98
70) Phenanthrene	11.15	178	229643	7.32	ng	100
74) Fluoranthene	12.66	202	344593	10.59	ng	94
77) Pyrene	12.97	202	318239	12.28	ng	99
80) Benzo(a)anthracene	14.73	228	144558	6.36	ng	98
82) Chrysene	14.79	228	143178	6.52	ng	97
85) Indeno(1,2,3-cd)pyrene	18.19	276	90317	5.64	ng	97
87) Benzo(b)fluoranthene	16.31	252	170342m	8.27	ng	
88) Benzo(k)fluoranthene	16.34	252	44755m	2.30	ng	
89) Benzo(a)pyrene	16.74	252	121234	6.85	ng	99
91) Benzo(g,h,i)perylene	18.57	276	88608	5.86	ng	96

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

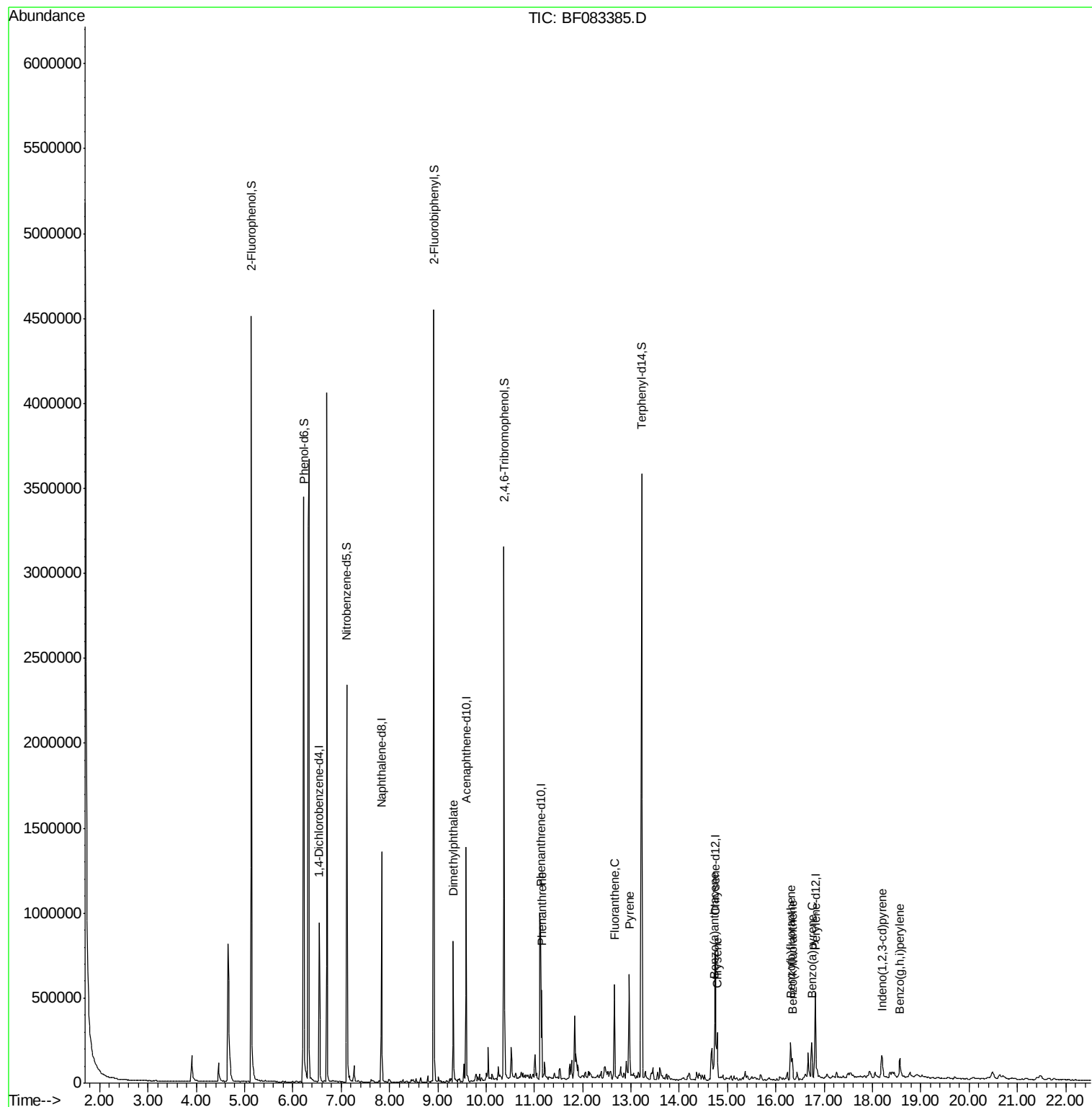
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083385.D
Acq On : 1 Dec 2015 21:27
Operator : UM/IZ
Sample : G4593-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

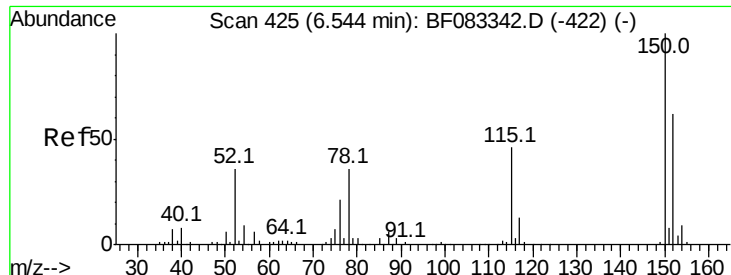
Instrument :
BNA_F
ClientSampleId :
S4-14.5

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Quant Time: Dec 02 03:58:13 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





#1

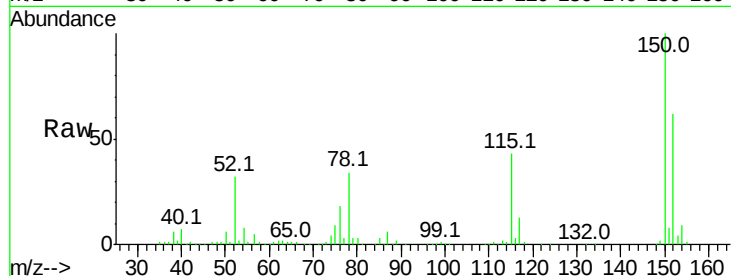
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.54 min Scan# 425
Delta R.T. 0.00 min
Lab File: BF083385.D
Acq: 1 Dec 2015 21:27

Instrument :
BNA_F
ClientSampleId :
S4-14.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	129.8	194.8
115	69.8	59.2	88.8

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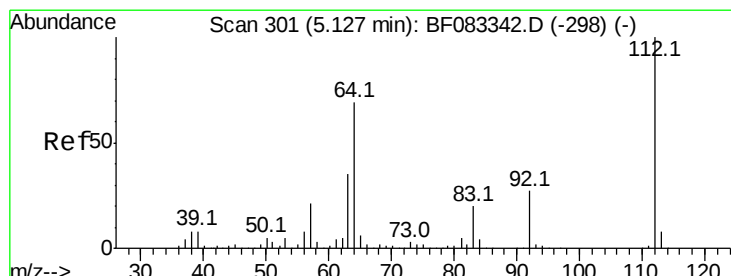
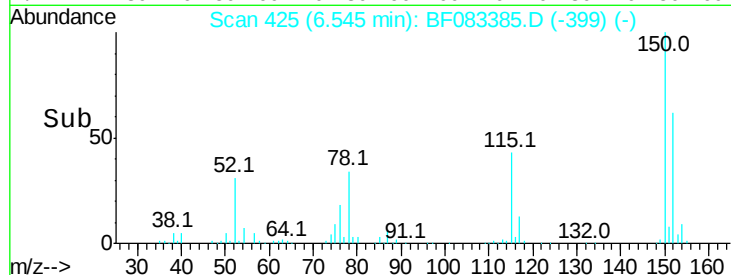
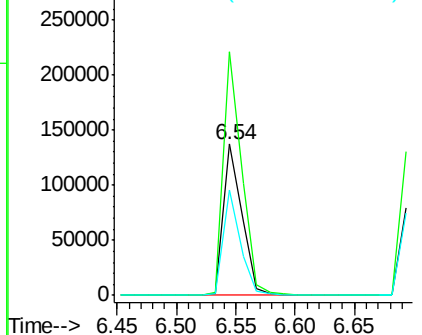


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

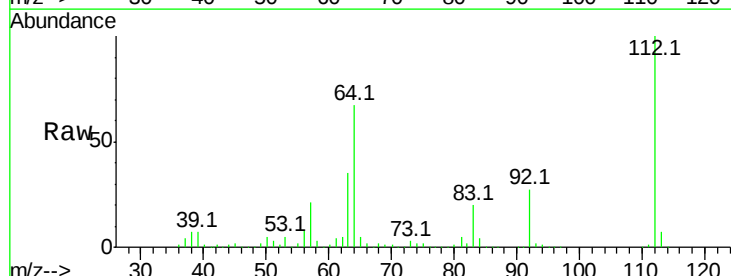
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 134.10 ng
RT: 5.14 min Scan# 302
Delta R.T. 0.01 min
Lab File: BF083385.D
Acq: 1 Dec 2015 21:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	55.6	83.4
63	34.7	28.2	42.2

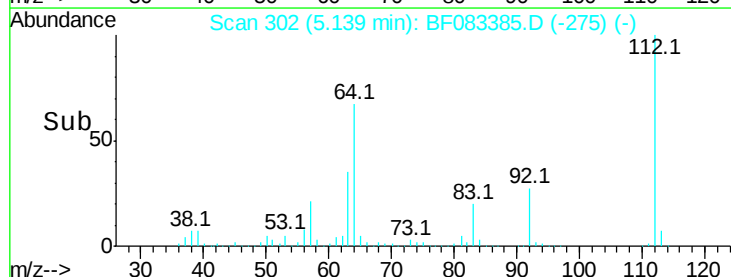
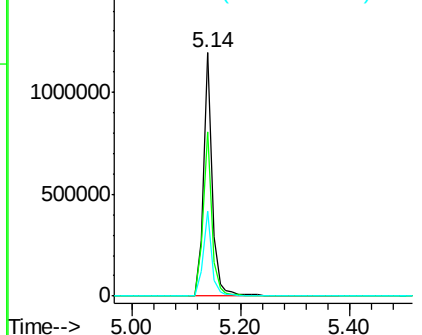


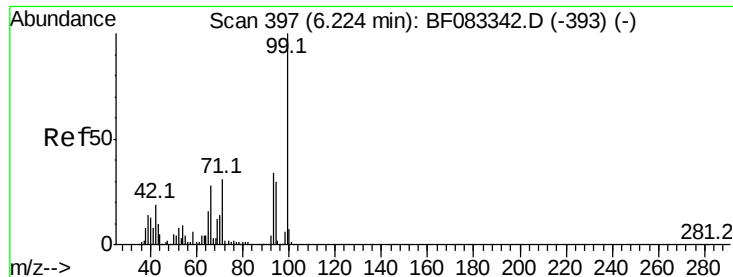
Abundance

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: 132.63 ng

RT: 6.22 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

Instrument :

BNA_F

ClientSampleId :

S4-14.5

Tot Ion: 99 Resp: 1787762

Ion Ratio Lower Upper

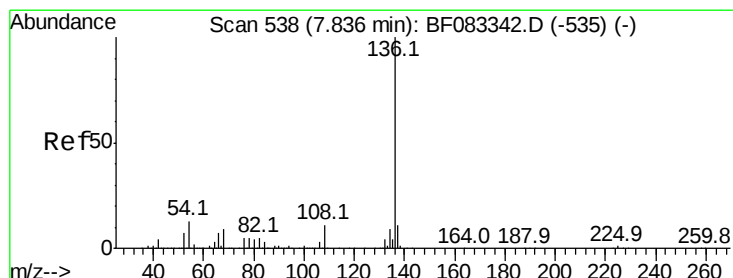
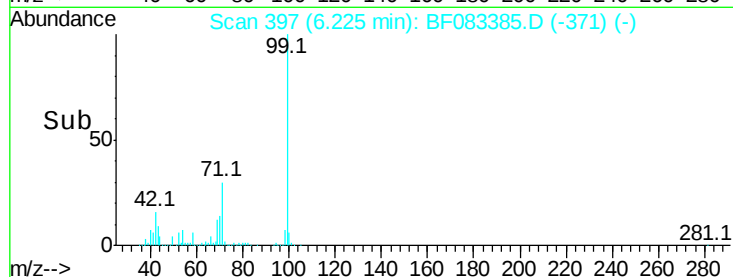
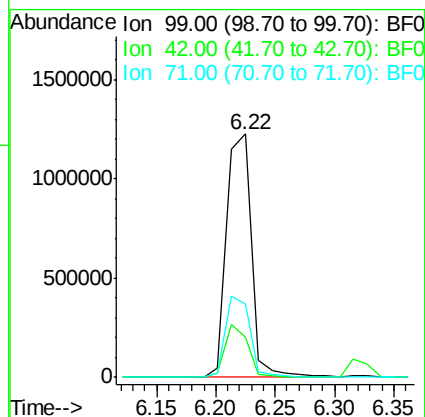
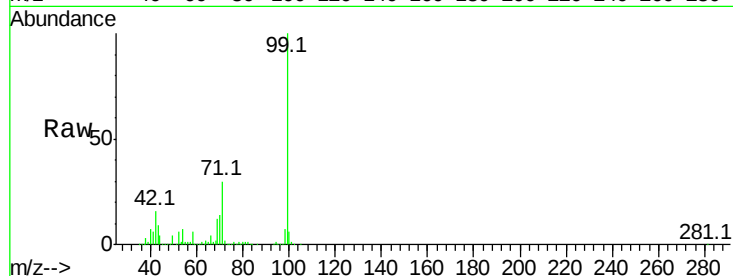
99 100

42 16.4 14.9 22.3

71 29.9 24.7 37.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

Tgt Ion: 136 Resp: 578002

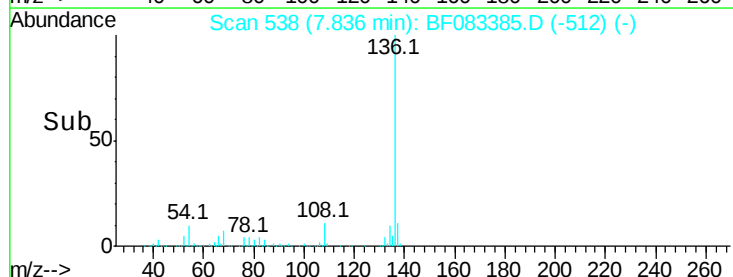
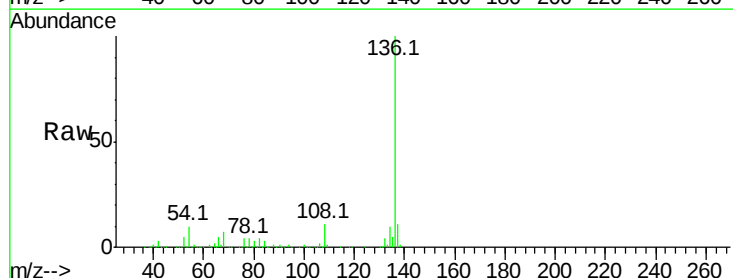
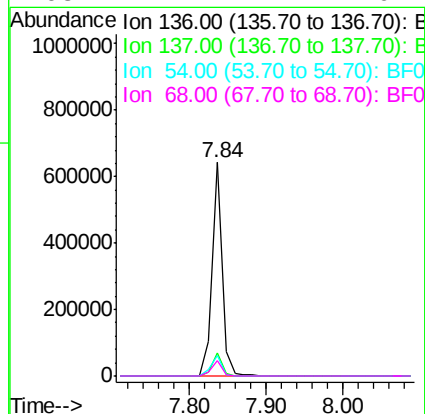
Ion Ratio Lower Upper

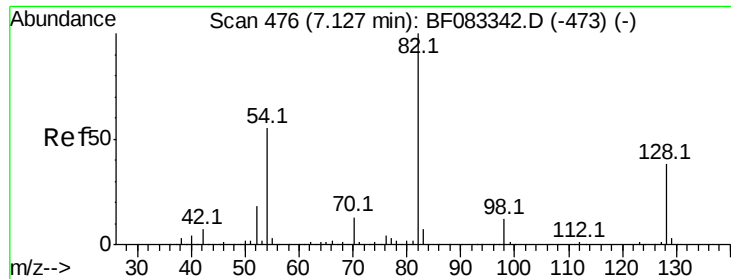
136 100

137 11.1 9.0 13.4

54 9.8 10.1 15.1#

68 7.1 7.1 10.7#





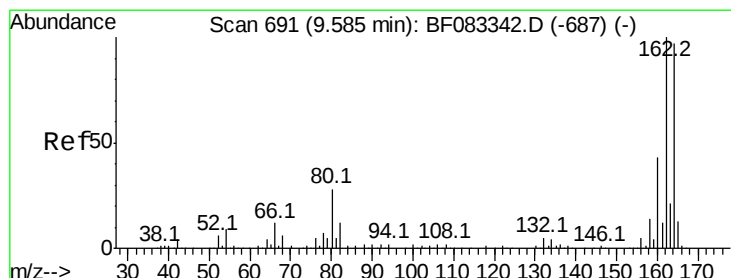
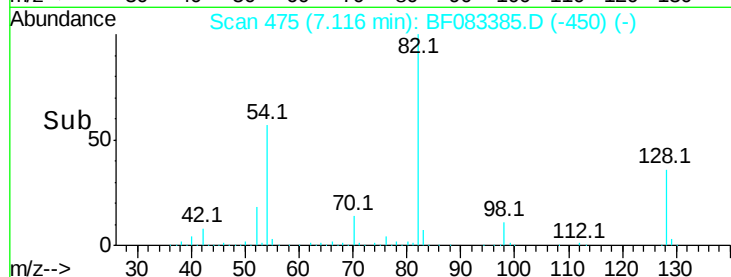
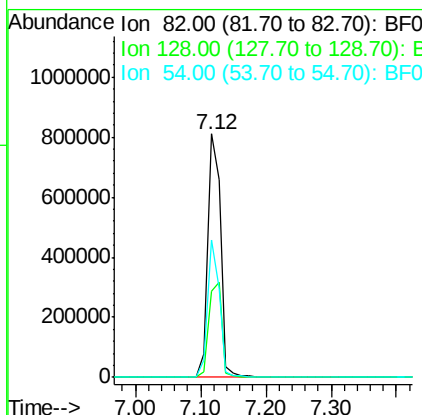
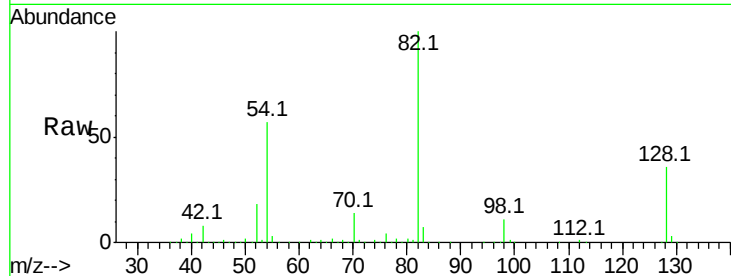
#23
 Nitrobenzene-d5
 Concen: 84.84 ng
 RT: 7.12 min Scan# 475
 Delta R.T. -0.01 min
 Lab File: BF083385.D
 Acq: 1 Dec 2015 21:27

Instrument :
 BNA_F
 ClientSampleId :
 S4-14.5

Tot Ion	82	Resp	1115566
Ion Ratio	100	Lower	Upper
128	35.6	30.6	46.0
54	56.6	43.8	65.6

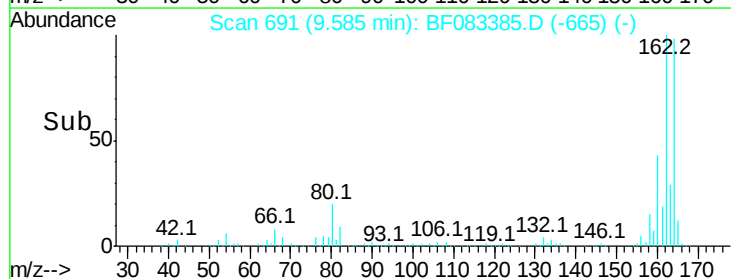
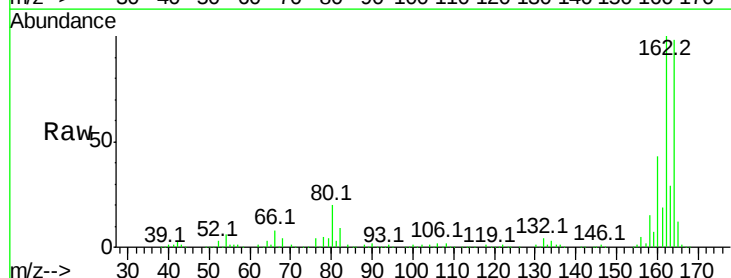
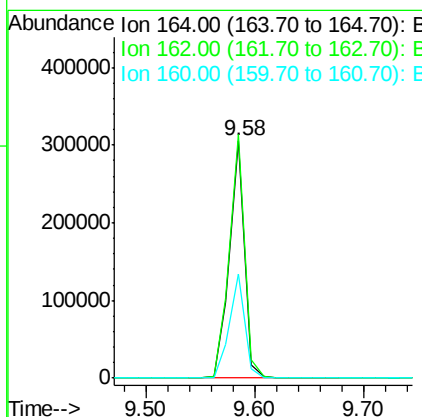
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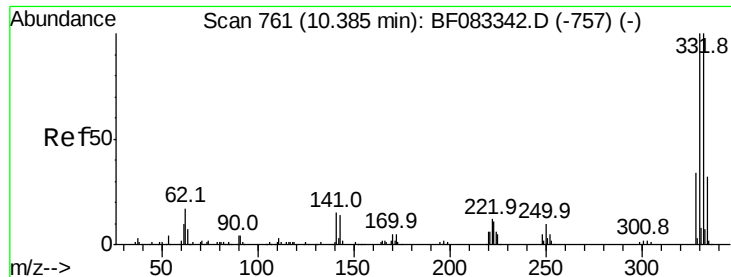
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: BF083385.D
 Acq: 1 Dec 2015 21:27

Tgt Ion	164	Resp	293450
Ion Ratio	100	Lower	Upper
162	102.4	82.6	123.8
160	44.0	35.3	52.9





#41

2,4,6-Tribromophenol

Concen: 115.42 ng

RT: 10.37 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

Instrument :

BNA_F

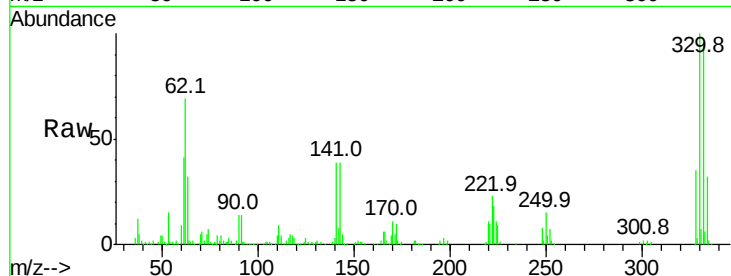
ClientSampleId :

S4-14.5

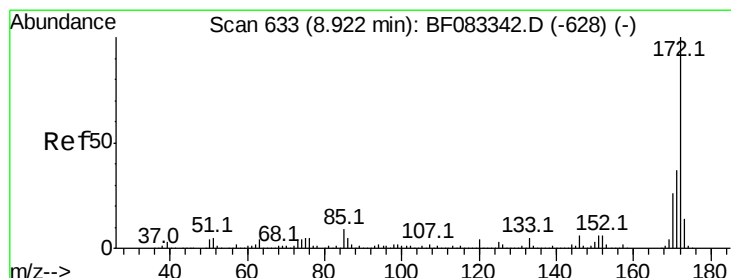
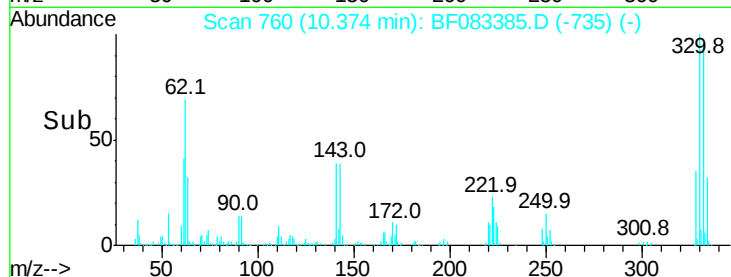
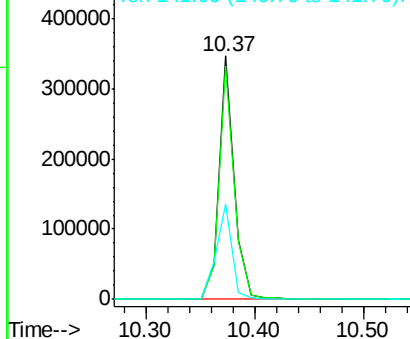
Tot Ion:	330	Resp:	340017
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.8	116.6
141	42.0	29.4	44.0

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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



#44

2-Fluorobiphenyl

Concen: 87.82 ng

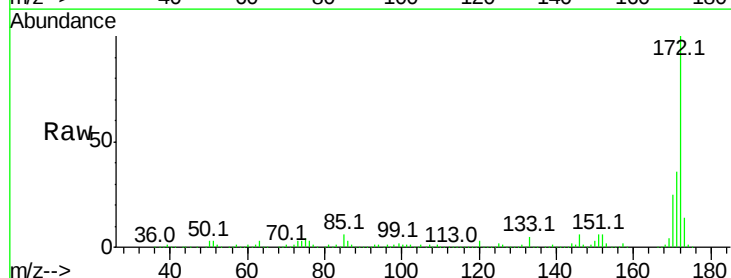
RT: 8.92 min Scan# 633

Delta R.T. 0.00 min

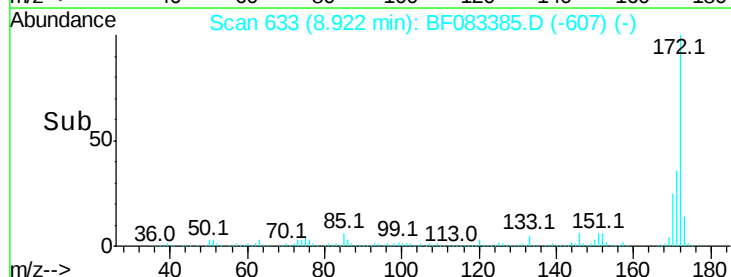
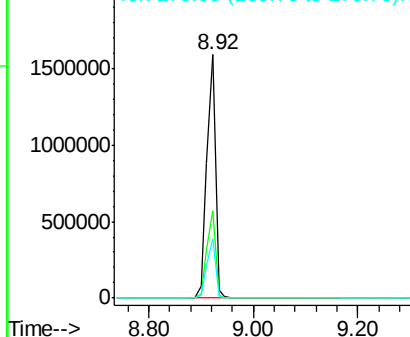
Lab File: BF083385.D

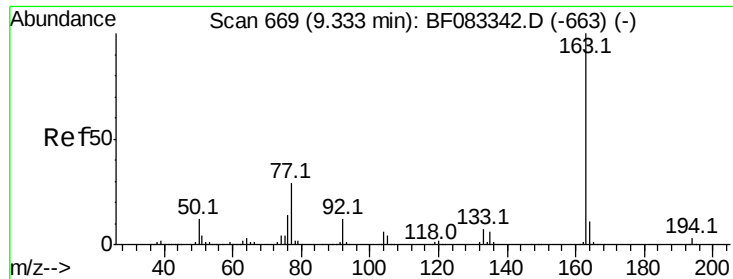
Acq: 1 Dec 2015 21:27

Tgt Ion:	172	Resp:	1808512
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.4	44.0
170	24.6	20.4	30.6



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





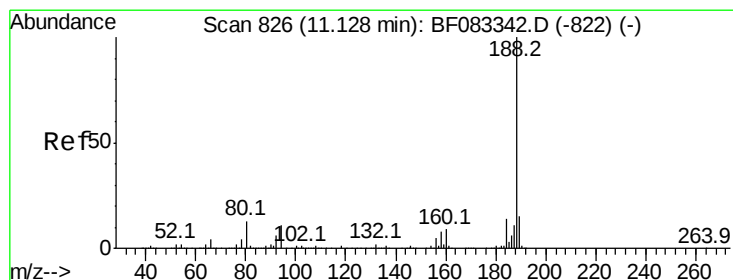
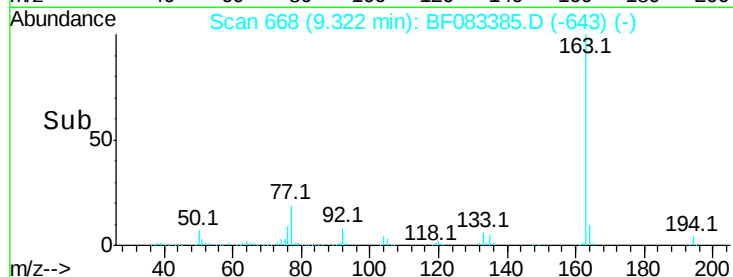
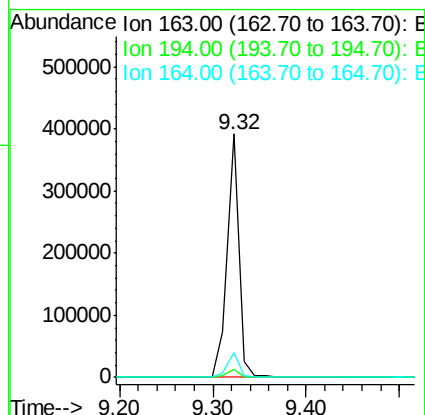
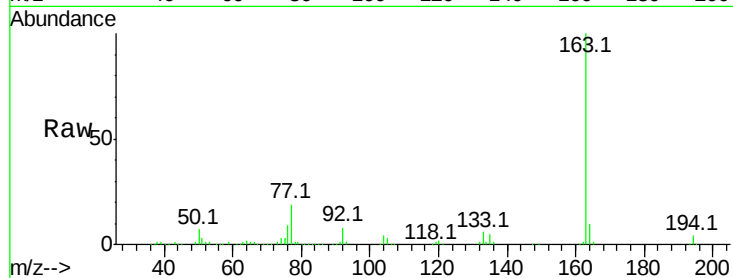
#49
Dimethylphthalate
Concen: 14.38 ng
RT: 9.32 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF083385.D
Acq: 1 Dec 2015 21:27

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	342931		
194	3.6		2.7	4.1
164	10.0		8.8	13.2

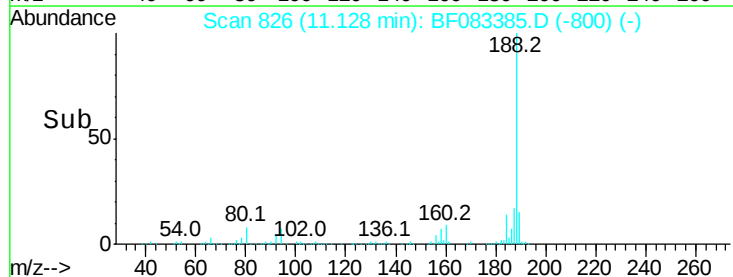
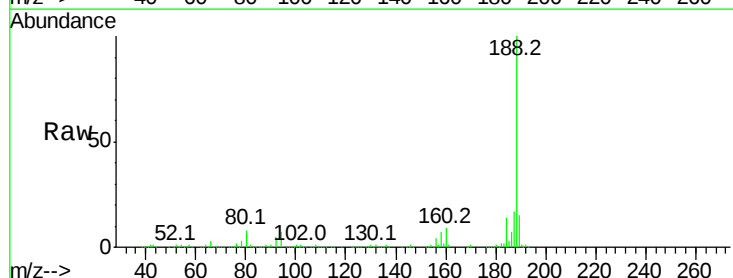
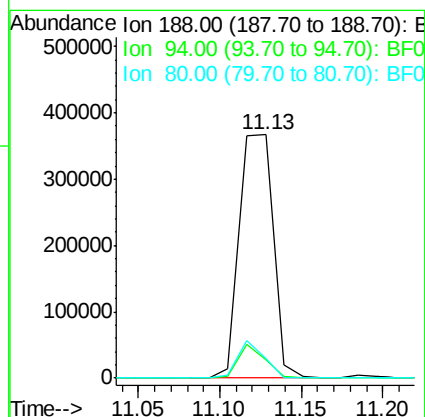
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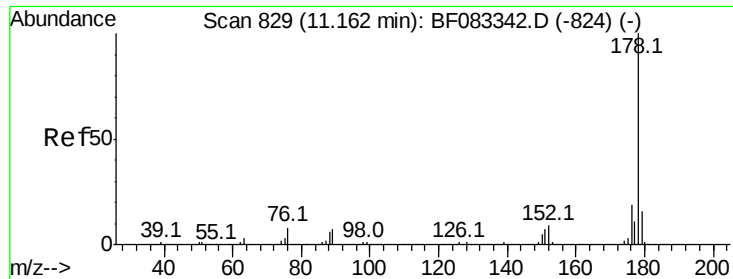
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF083385.D
Acq: 1 Dec 2015 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	530241		
94	7.4		8.7	13.1#
80	8.2		10.3	15.5#





#70

Phenanthrene

Concen: 7.32 ng

RT: 11.15 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

Instrument :

BNA_F

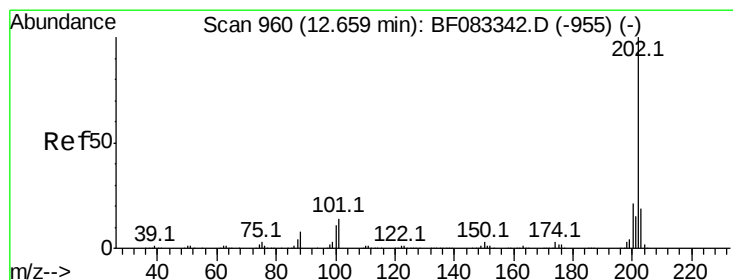
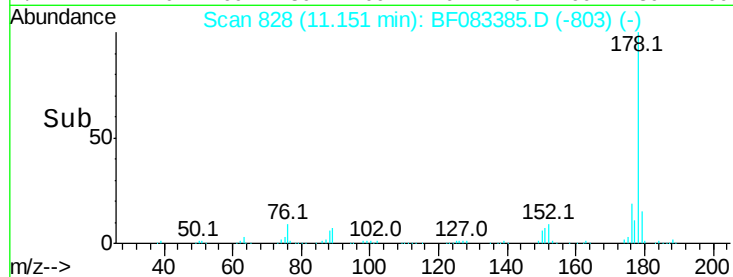
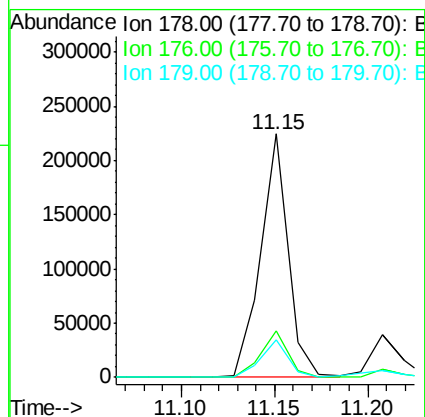
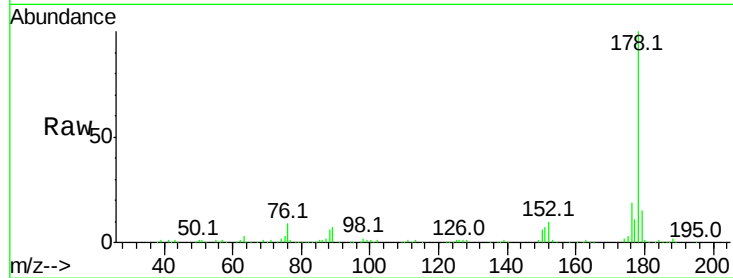
ClientSampleId :

S4-14.5

Tot Ion:	178	Resp:	229643
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.3	22.9
179	15.5	12.4	18.6

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#74

Fluoranthene

Concen: 10.59 ng

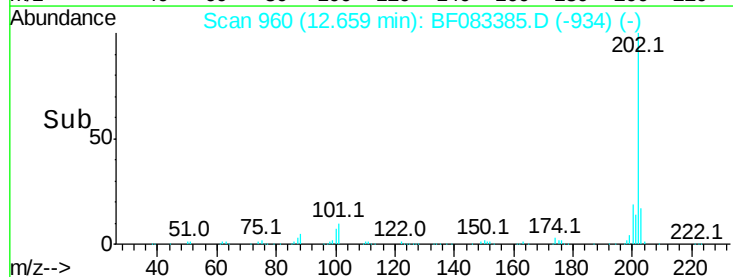
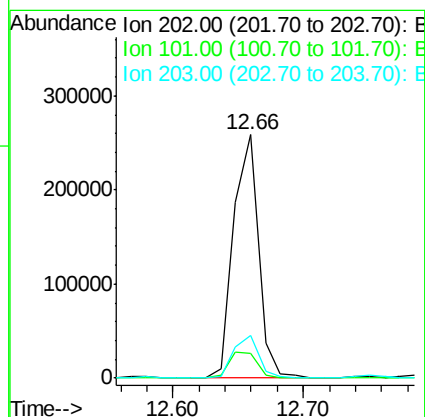
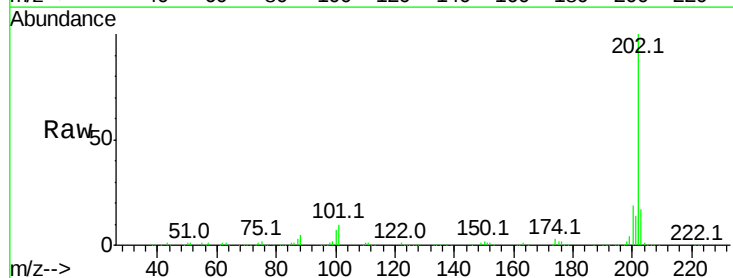
RT: 12.66 min Scan# 960

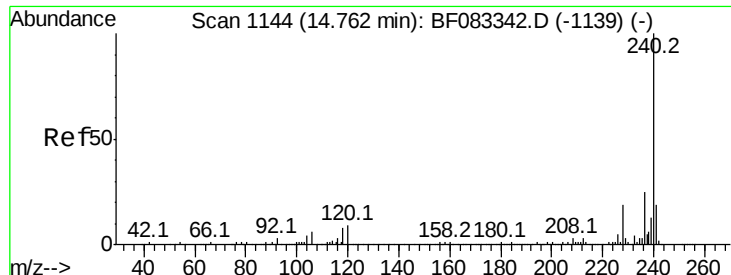
Delta R.T. 0.00 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

Tgt Ion:	202	Resp:	344593
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	34.5
203	17.3	0.0	38.7





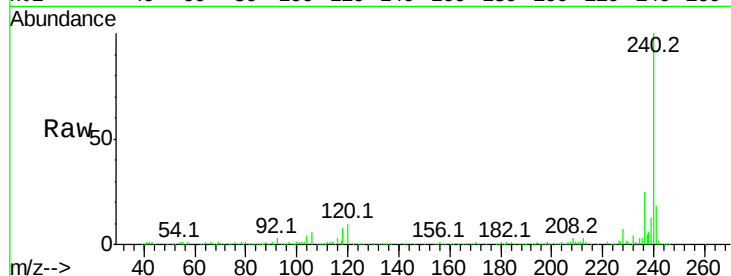
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.75 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF083385.D
Acq: 1 Dec 2015 21:27

Instrument :
BNA_F
ClientSampleId :
S4-14.5

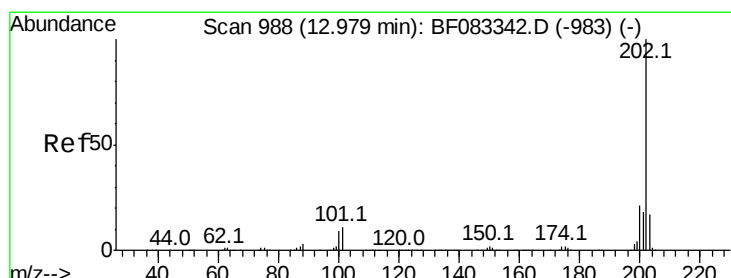
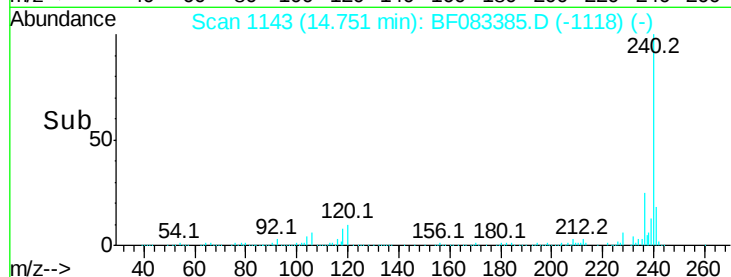
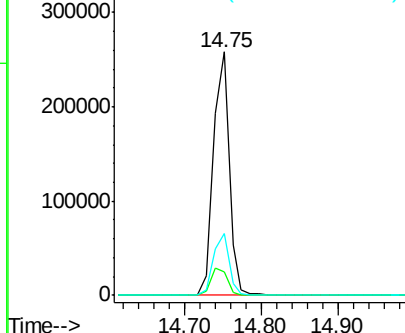
Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	9.7	6.9	10.3
236	25.3	19.8	29.6

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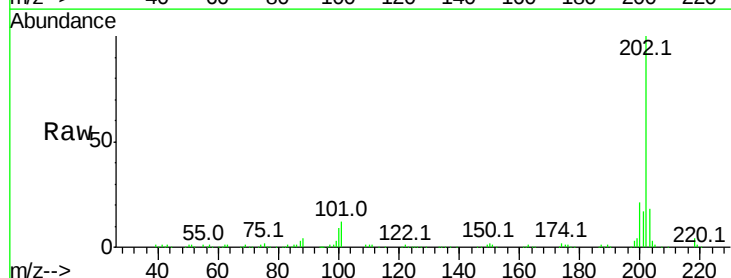


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

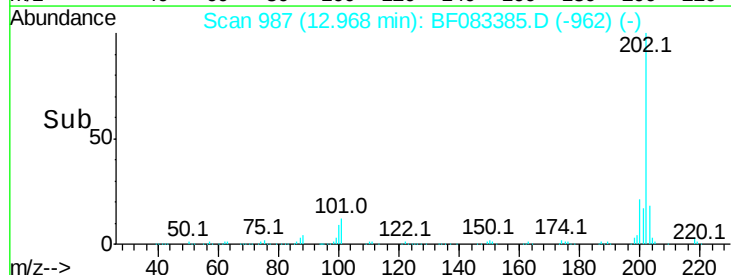
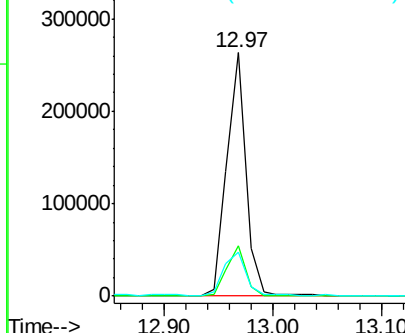


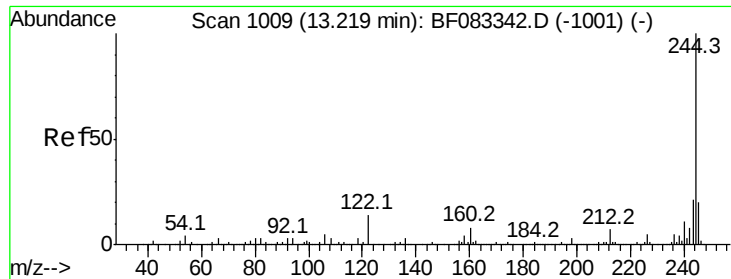
#77
Pyrene
Concen: 12.28 ng
RT: 12.97 min Scan# 987
Delta R.T. -0.01 min
Lab File: BF083385.D
Acq: 1 Dec 2015 21:27

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	16.9	25.3
203	18.1	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: 103.22 ng

RT: 13.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

Instrument :

BNA_F

ClientSampleId :

S4-14.5

Tot Ion:244 Resp: 1606495

Ion Ratio Lower Upper

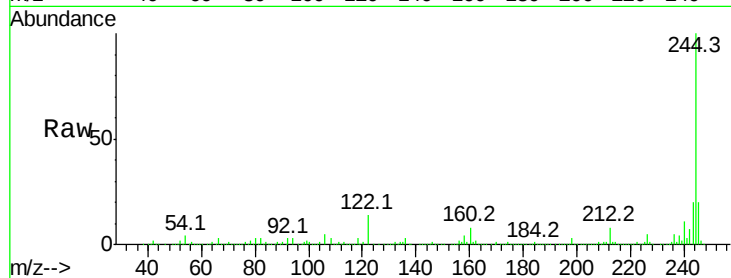
244 100

212 7.6 5.8 8.8

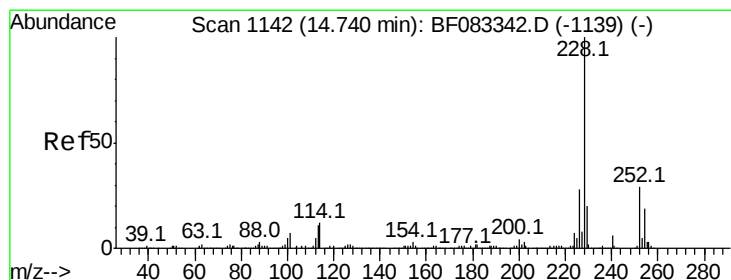
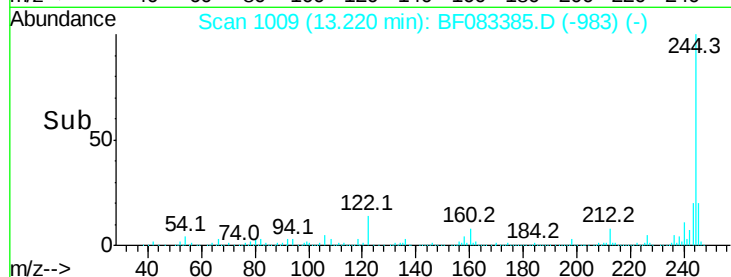
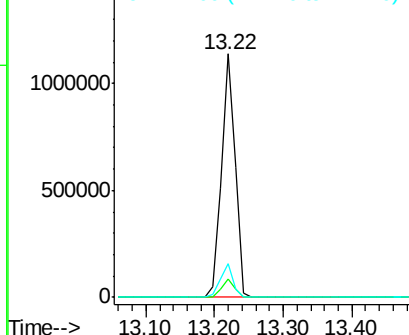
122 13.6 11.0 16.4

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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: 6.36 ng

RT: 14.73 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

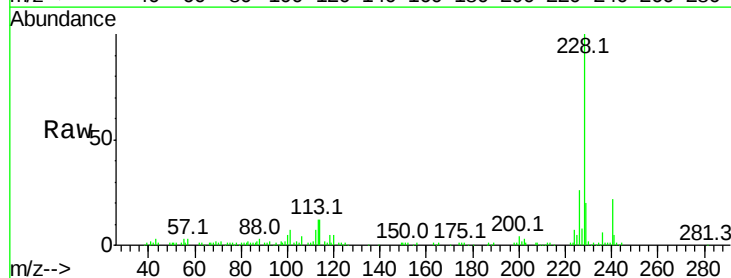
Tgt Ion:228 Resp: 144558

Ion Ratio Lower Upper

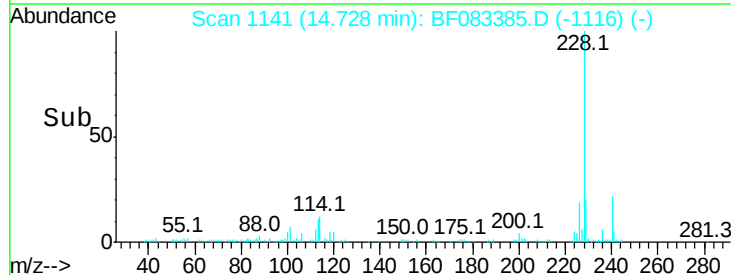
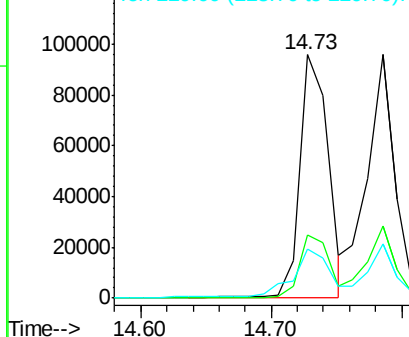
228 100

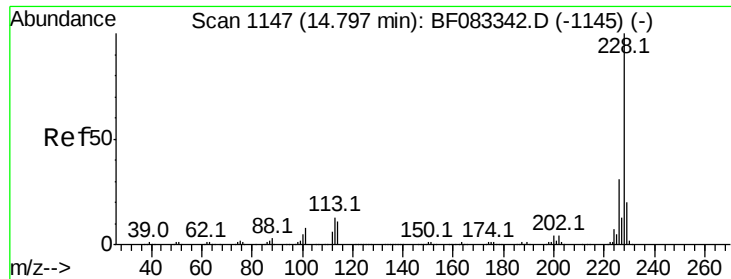
226 25.7 22.2 33.4

229 20.0 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





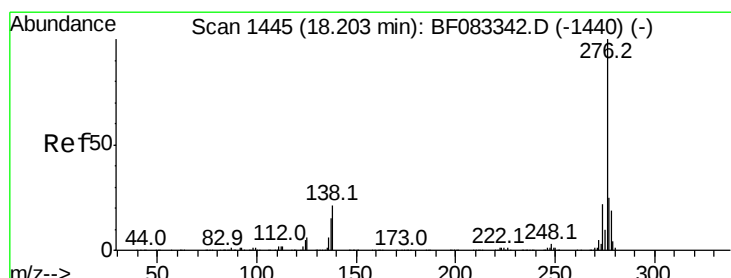
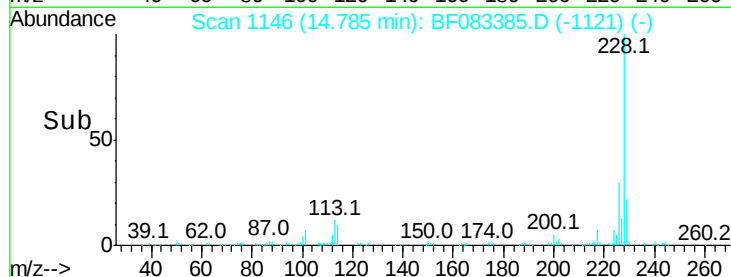
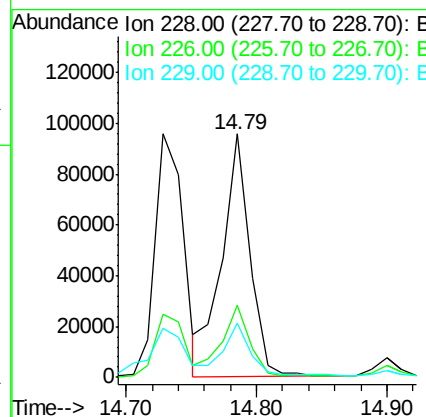
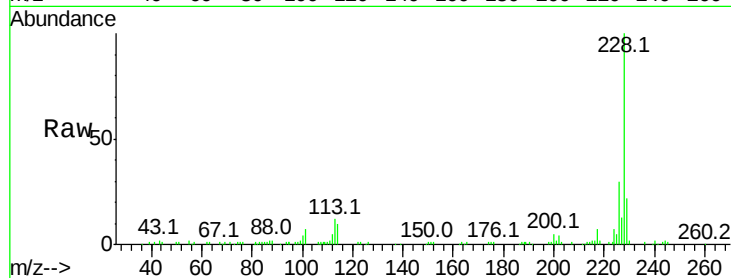
#82
Chrysene
Concen: 6.52 ng
RT: 14.79 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF083385.D
Acq: 1 Dec 2015 21:27

Instrument :
BNA_F
ClientSampleId :
S4-14.5

Tot Ion	Ratio	Resp	Lower	Upper
228	100	143178		
226	29.7	24.6	37.0	
229	22.3	16.2	24.2	

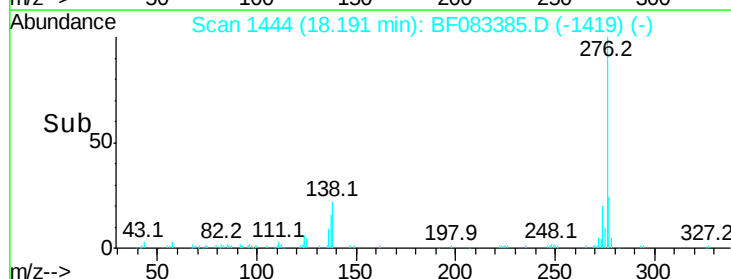
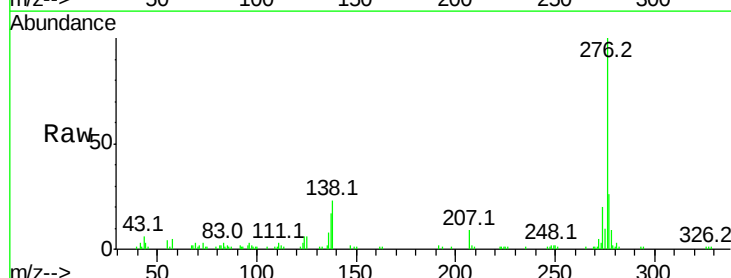
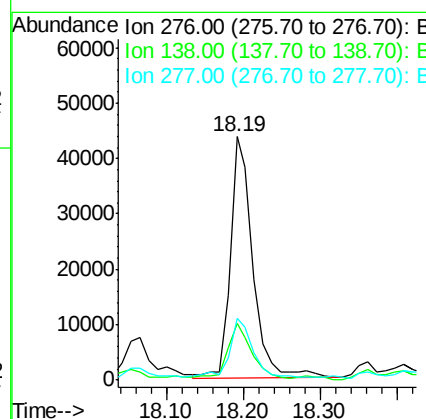
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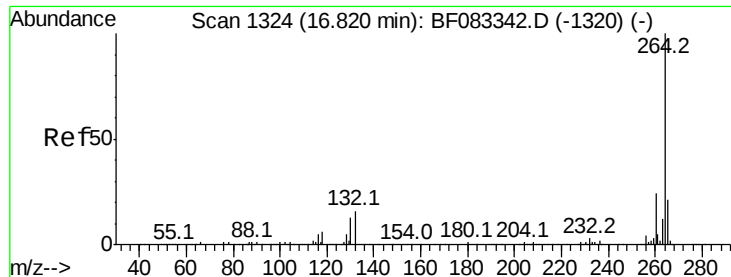
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.64 ng
RT: 18.19 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF083385.D
Acq: 1 Dec 2015 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	90317		
138	24.4	21.2	31.8	
277	25.6	20.0	30.0	





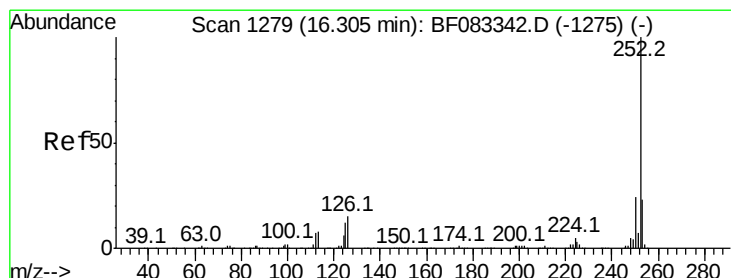
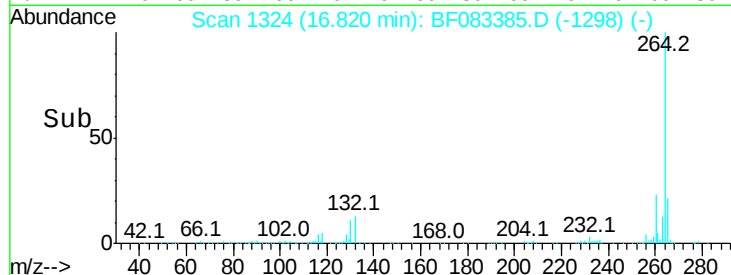
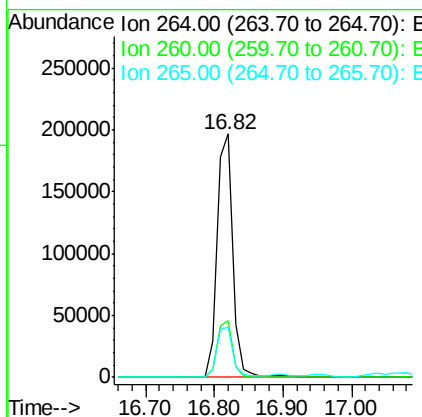
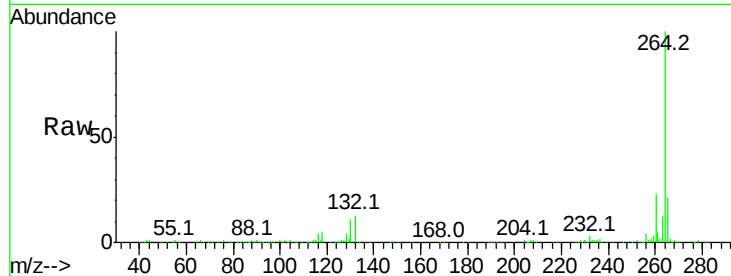
#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.82 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: BF083385.D
 Acq: 1 Dec 2015 21:27

Instrument :
 BNA_F
 ClientSampleId :
 S4-14.5

Tot Ion:	264	Resp:	321030
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.0	28.4
265	20.6	16.8	25.2

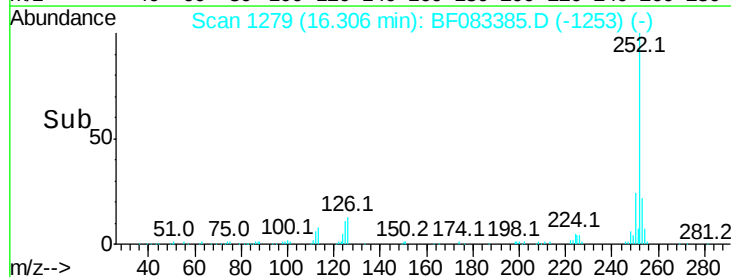
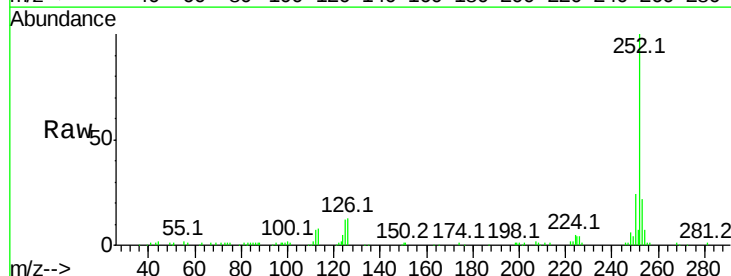
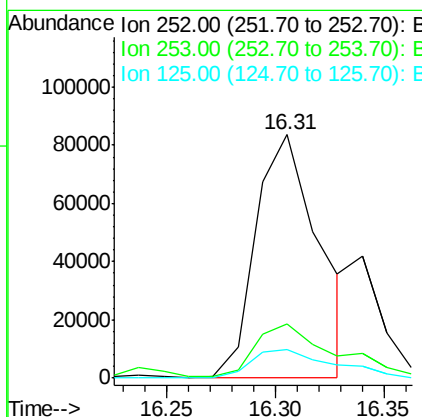
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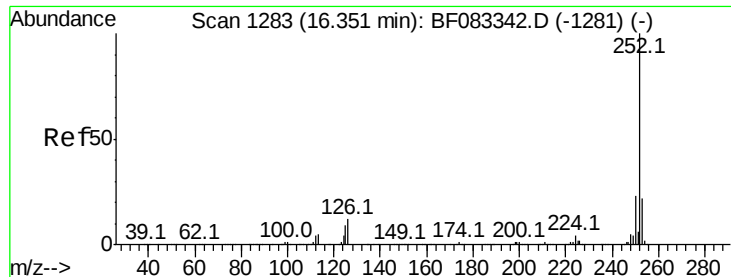
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#87
 Benzo(b)fluoranthene
 Concen: 8.27 ng m
 RT: 16.31 min Scan# 1279
 Delta R.T. 0.00 min
 Lab File: BF083385.D
 Acq: 1 Dec 2015 21:27

Tgt Ion:	252	Resp:	170342
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.4	27.6
125	11.6	9.6	14.4





#88

Benzo(k)fluoranthene

Concen: 2.30 ng

RT: 16.34 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

Instrument :

BNA_F

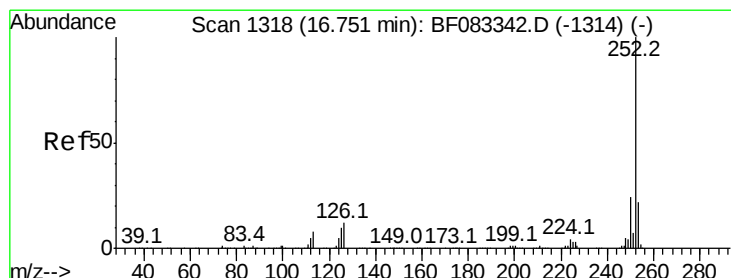
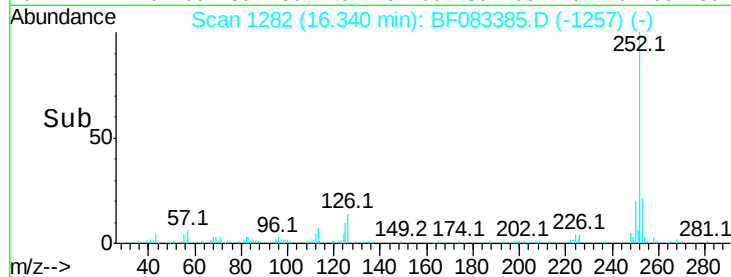
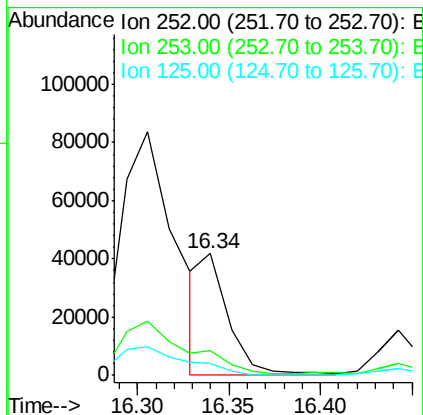
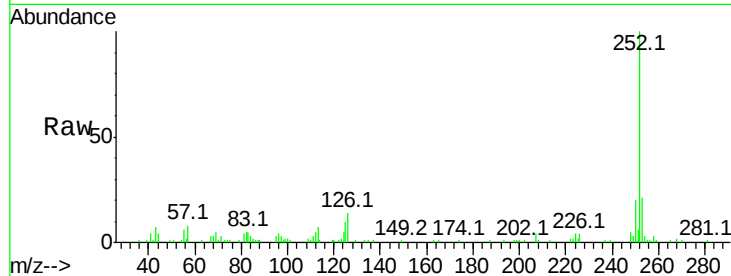
ClientSampleId :

S4-14.5

Tot Ion:	252	Resp:	44755
Ion Ratio	Lower	Upper	
252	100		
253	20.8	17.4	26.0
125	10.0	7.5	11.3

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#89

Benzo(a)pyrene

Concen: 6.85 ng

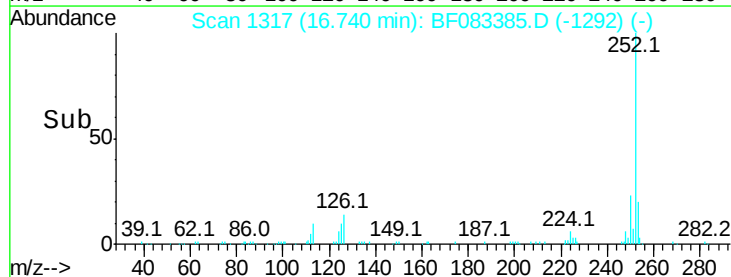
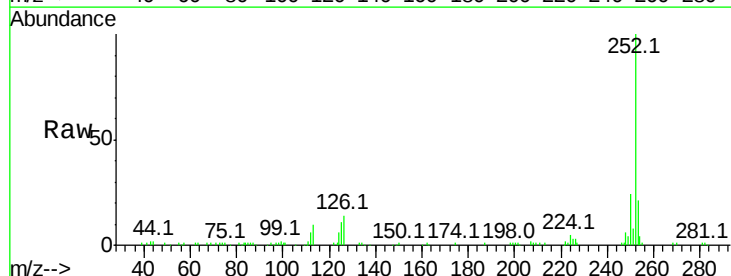
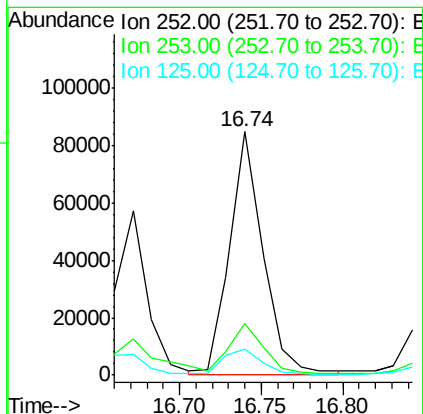
RT: 16.74 min Scan# 1317

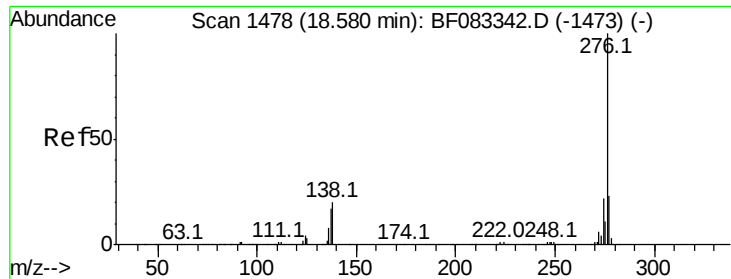
Delta R.T. -0.01 min

Lab File: BF083385.D

Acq: 1 Dec 2015 21:27

Tgt Ion:	252	Resp:	121234
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.5	26.3
125	10.6	7.8	11.8





#91
 Benzo(a,h,i)perylene
 Concen: 5.86 ng
 RT: 18.57 min Scan# 1477
 Delta R.T. -0.01 min
 Lab File: BF083385.D
 Acq: 1 Dec 2015 21:27

Instrument :
 BNA_F
 ClientSampleId :
 S4-14.5

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	23.2	16.1	24.1

Manual Integrations
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