

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086436.D
 Acq On : 27 Apr 2016 21:03
 Operator : UM/SJ
 Sample : H2724-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TH-B4(0-5)-C

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Quant Time: Apr 28 01:45:11 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	126995	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	522644	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	211240	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	324339	20.00	ng	0.00
75) Chrysene-d12	13.95	240	271436	20.00	ng	-0.01
86) Perylene-d12	15.36	264	268867	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	831946	113.00	ng	0.01
7) Phenol-d6	6.44	99	1074930	104.61	ng	0.00
23) Nitrobenzene-d5	7.37	82	638321	65.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	177514	79.69	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	1084192	91.23	ng	0.00
78) Terphenyl-d14	12.91	244	659927	53.56	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	146648	9.22	ng	99
70) Phenanthrene	11.34	178	53328	3.13	ng	100
74) Fluoranthene	12.53	202	121758	7.09	ng	93
77) Pyrene	12.75	202	105058	5.37	ng	97
80) Benzo(a)anthracene	13.94	228	65555	4.53	ng	96
82) Chrysene	13.97	228	62443m	3.97	ng	
85) Indeno(1,2,3-cd)pyrene	16.72	276	36806	3.16	ng	# 92
87) Benzo(b)fluoranthene	14.96	252	106835m	6.75	ng	
88) Benzo(k)fluoranthene	14.98	252	35446m	2.15	ng	
89) Benzo(a)pyrene	15.30	252	63898	4.28	ng	# 93
91) Benzo(g,h,i)perylene	17.12	276	36175	2.95	ng	97

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

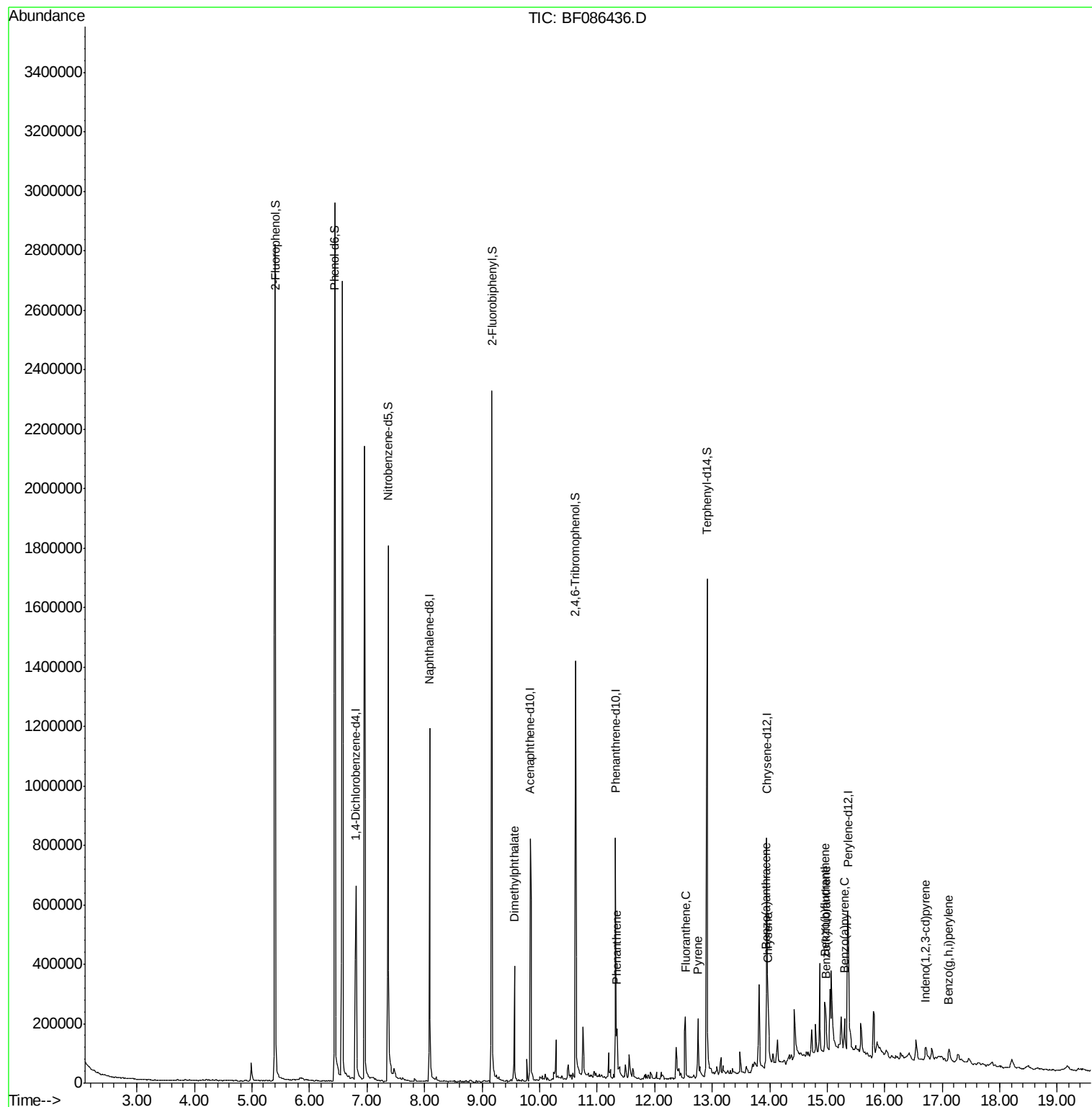
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

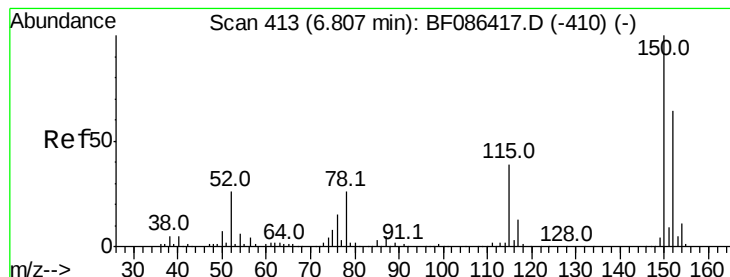
Instrument :
BNA_F
ClientSampleId :
TH-B4(0-5)-C

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Quant Time: Apr 28 01:45:11 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 27 14:20:52 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086436.D

Acq: 27 Apr 2016 21:03

Instrument :

BNA_F

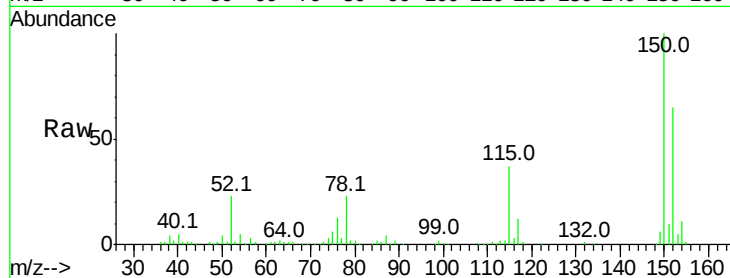
ClientSampleId :

TH-B4(0-5)-C

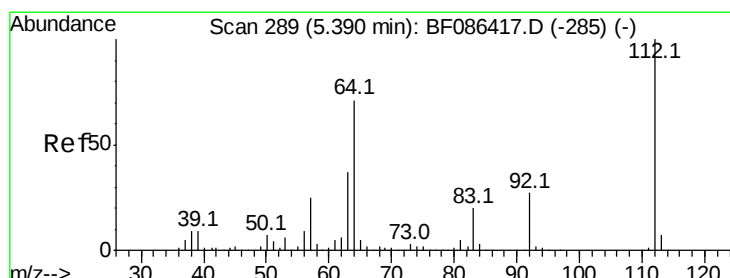
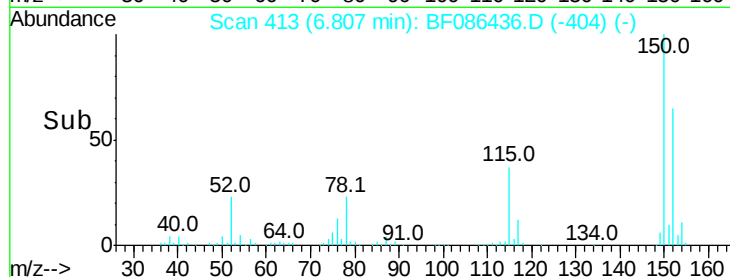
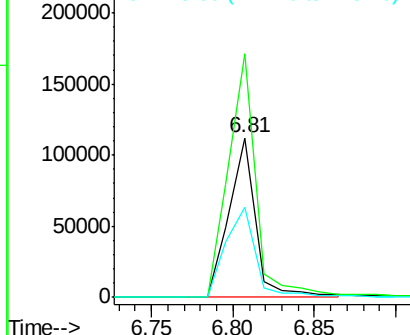
Tot Ion:	152	Resp:	126995
Ion Ratio	Lower	Upper	
152	100		
150	152.9	125.8	188.6
115	56.2	51.5	77.3

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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: 113.00 ng

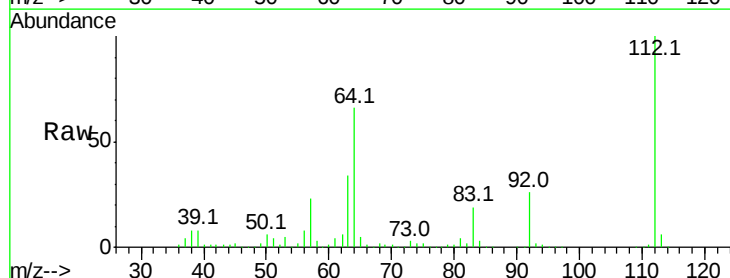
RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

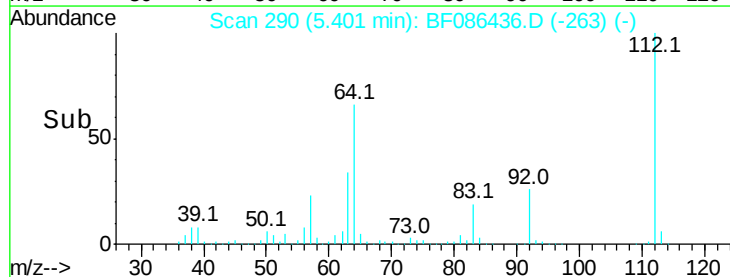
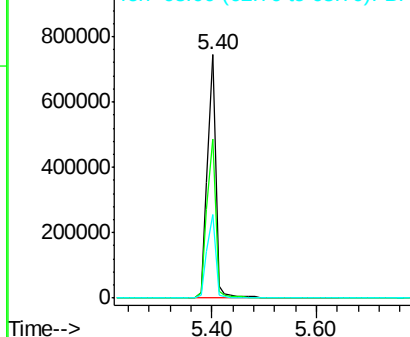
Lab File: BF086436.D

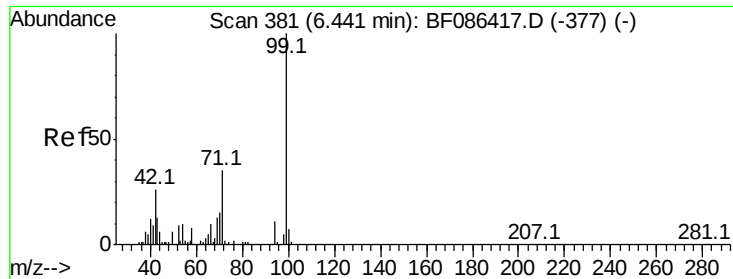
Acq: 27 Apr 2016 21:03

Tgt Ion:	112	Resp:	831946
Ion Ratio	Lower	Upper	
112	100		
64	65.6	52.1	78.1
63	34.3	25.7	38.5



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: 104.61 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF086436.D

Acq: 27 Apr 2016 21:03

Instrument :

BNA_F

ClientSampleId :

TH-B4(0-5)-C

Tot Ion: 99 Resp: 1074930

Ion Ratio Lower Upper

99 100

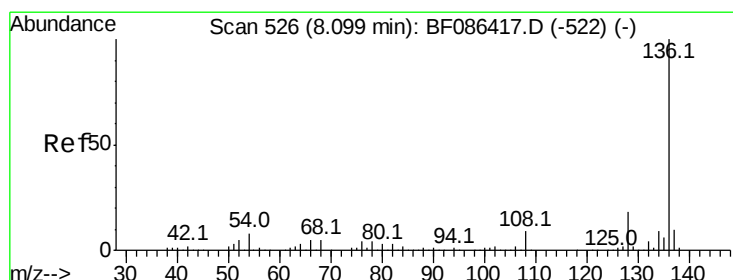
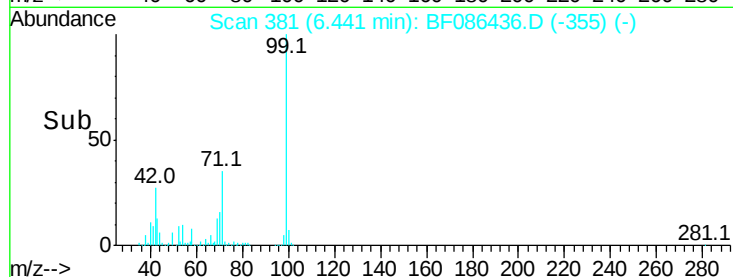
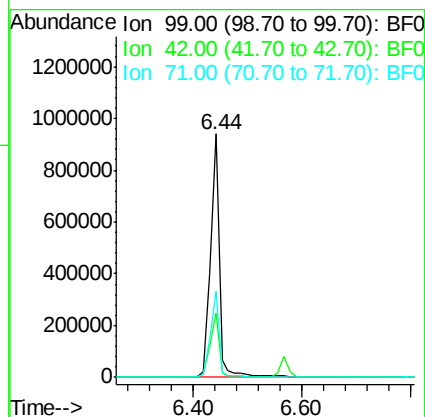
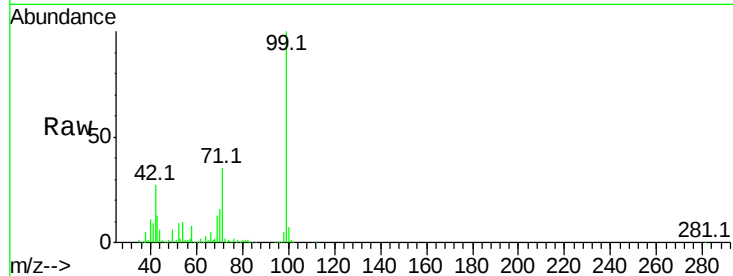
42 26.6 13.6 20.4#

71 35.4 24.6 36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.01 min

Lab File: BF086436.D

Acq: 27 Apr 2016 21:03

Tgt Ion: 136 Resp: 522644

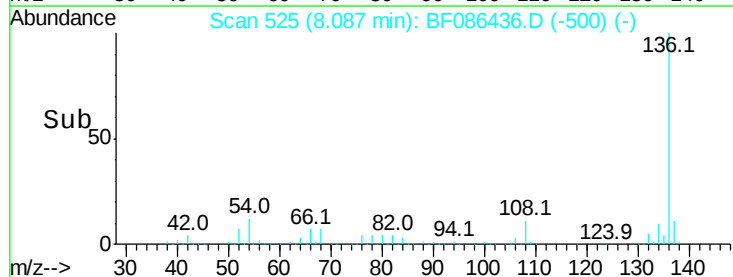
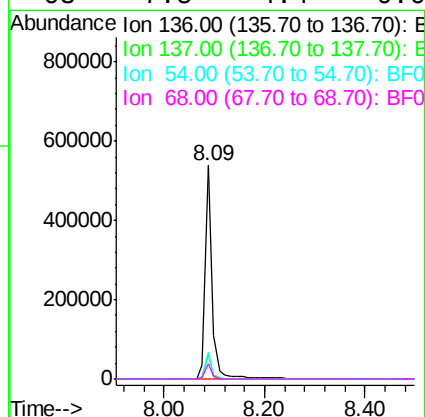
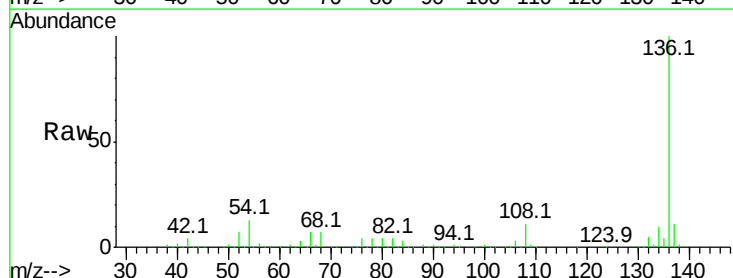
Ion Ratio Lower Upper

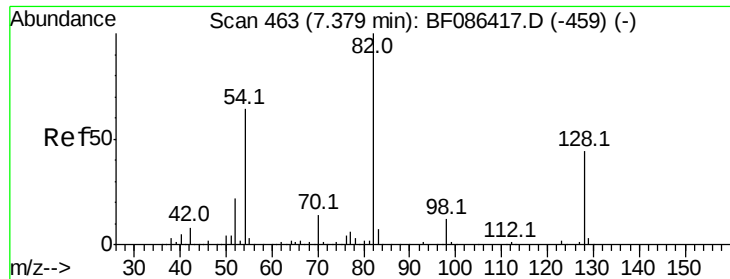
136 100

137 11.3 8.8 13.2

54 12.6 5.0 7.4#

68 7.5 4.4 6.6#





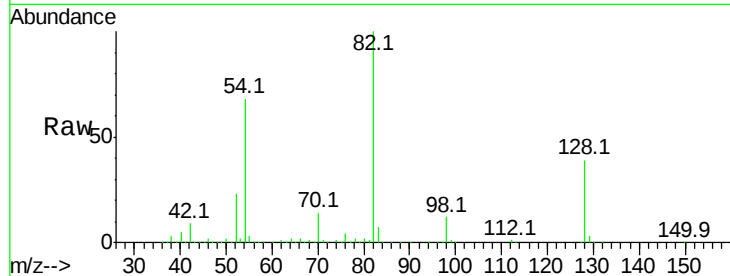
#23
Nitrobenzene-d5
Concen: 65.83 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF086436.D
Acq: 27 Apr 2016 21:03

Instrument :
BNA_F
ClientSampleId :
TH-B4(0-5)-C

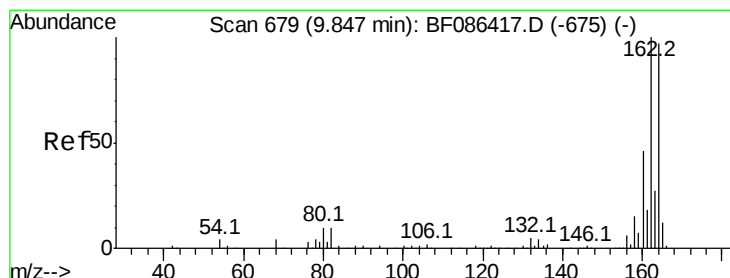
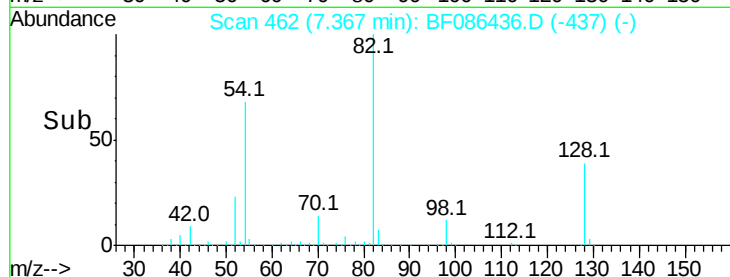
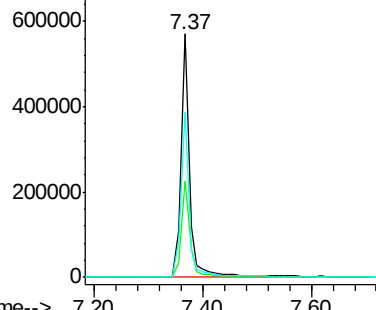
Tot Ion	Ratio	Lower	Upper
82	100		
128	39.4	40.6	61.0#
54	68.1	38.1	57.1#

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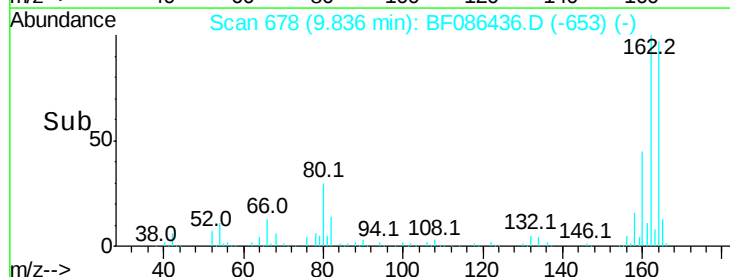
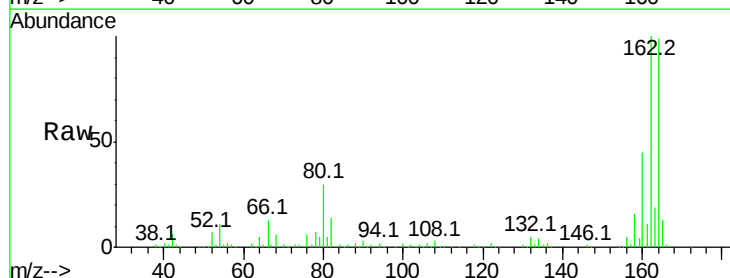
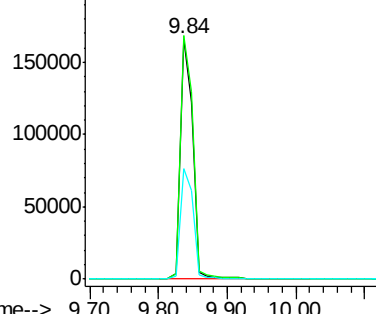
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

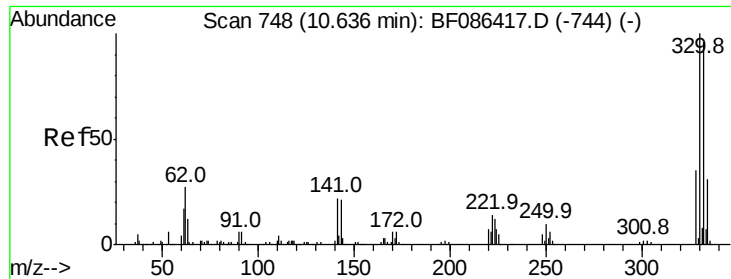


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.01 min
Lab File: BF086436.D
Acq: 27 Apr 2016 21:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.8	124.2
160	46.1	36.9	55.3

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





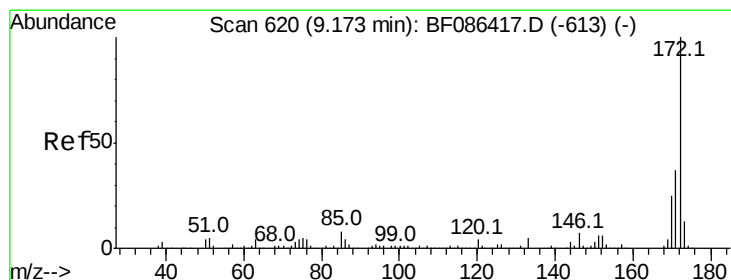
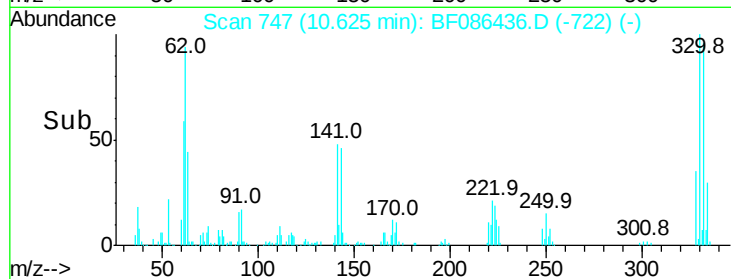
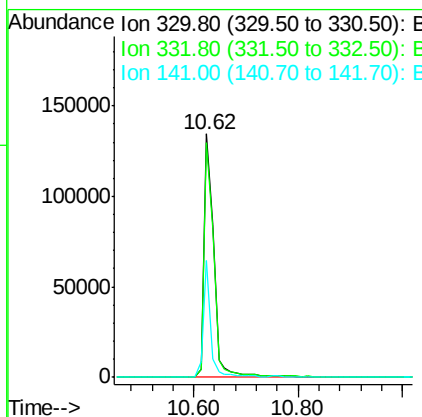
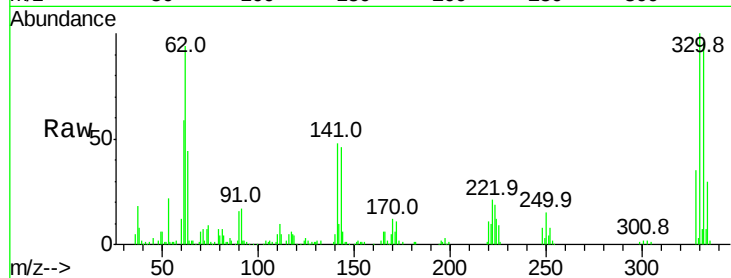
#41
 2,4,6-Tribromophenol
 Concen: 79.69 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF086436.D
 Acq: 27 Apr 2016 21:03

Instrument :
 BNA_F
 ClientSampleId :
 TH-B4(0-5)-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	177514		
332	96.7	79.0	118.4	
141	36.2	31.2	46.8	

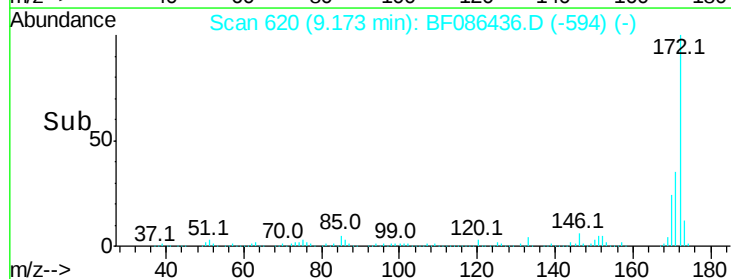
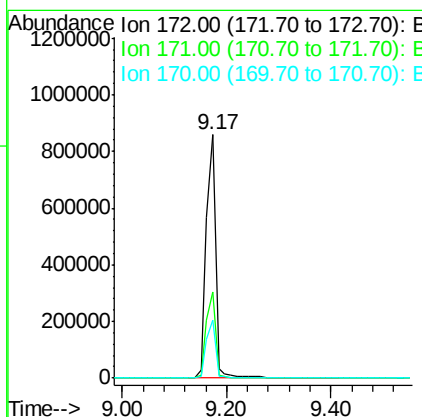
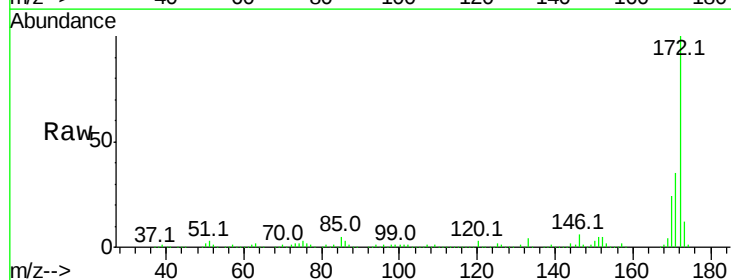
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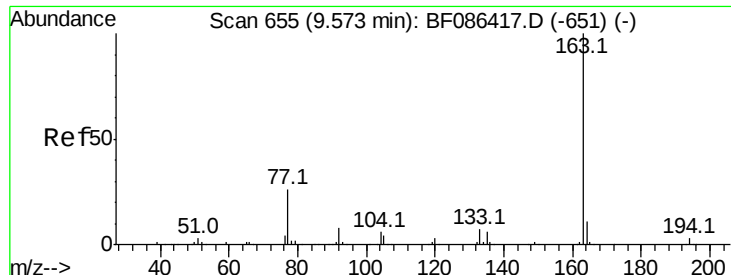
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#44
 2-Fluorobiphenyl
 Concen: 91.23 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF086436.D
 Acq: 27 Apr 2016 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1084192		
171	35.4	29.0	43.6	
170	23.9	19.8	29.8	





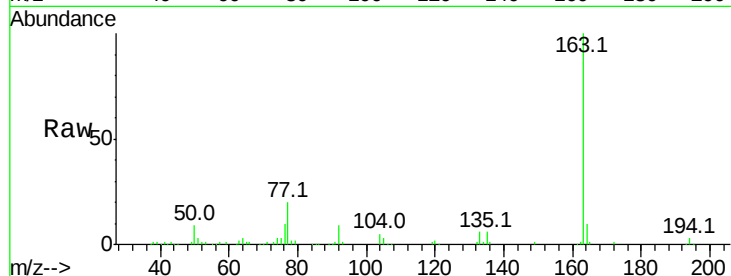
#49
Dimethylphthalate
Concen: 9.22 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF086436.D
Acq: 27 Apr 2016 21:03

Instrument :
BNA_F
ClientSampleId :
TH-B4(0-5)-C

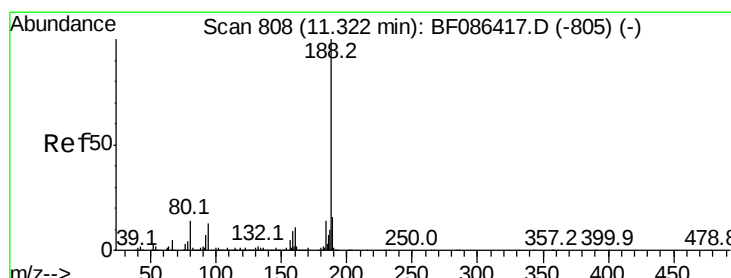
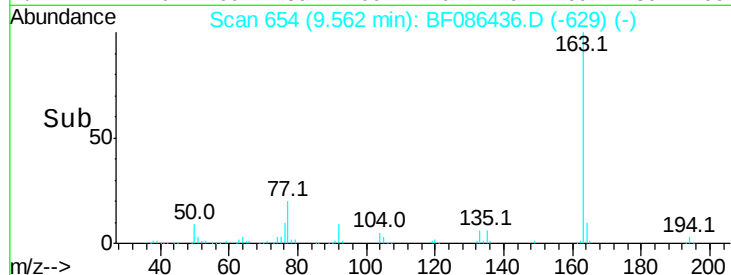
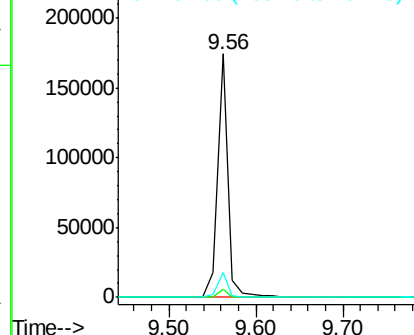
Tot Ion	Ratio	Resp	Lower	Upper
163	100	146648		
194	3.1	2.6	4.0	
164	10.0	8.2	12.4	

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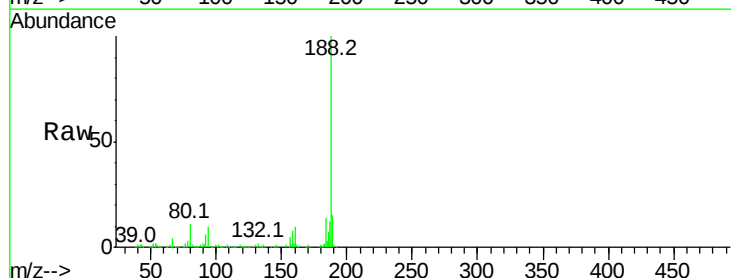


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

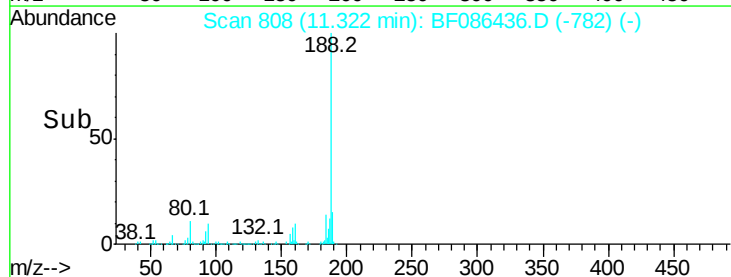
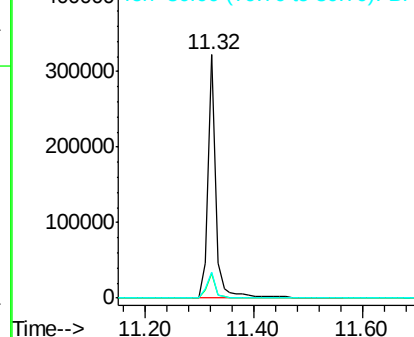


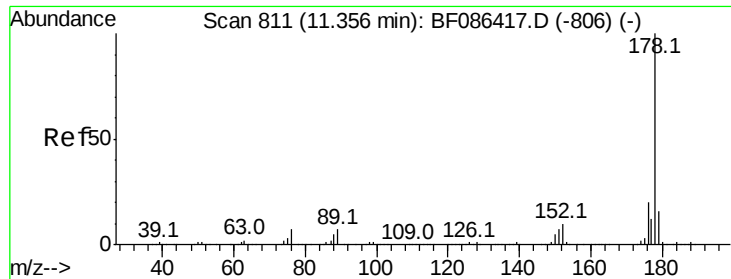
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF086436.D
Acq: 27 Apr 2016 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	324339		
94	10.3	6.8	10.2#	
80	10.7	7.1	10.7	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





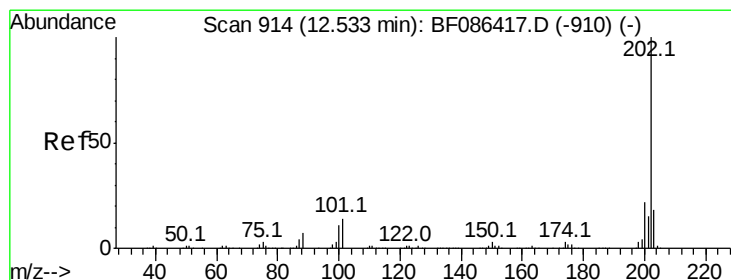
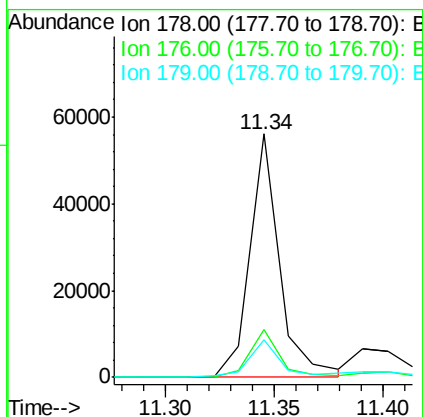
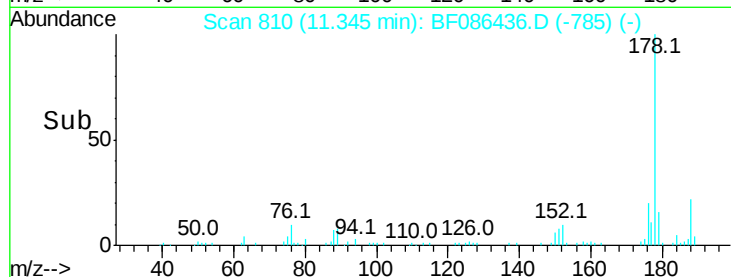
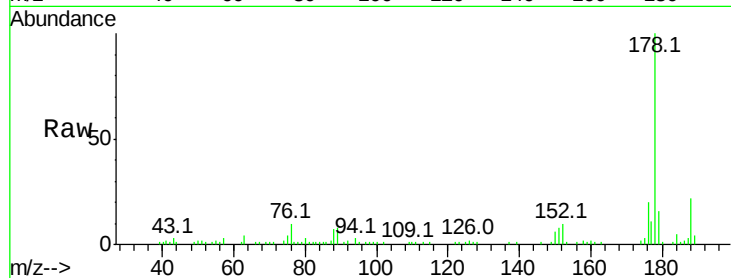
#70
Phenanthrene
Concen: 3.13 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF086436.D
Acq: 27 Apr 2016 21:03

Instrument :
BNA_F
ClientSampleId :
TH-B4(0-5)-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.0	24.0
179	15.5	12.6	18.8

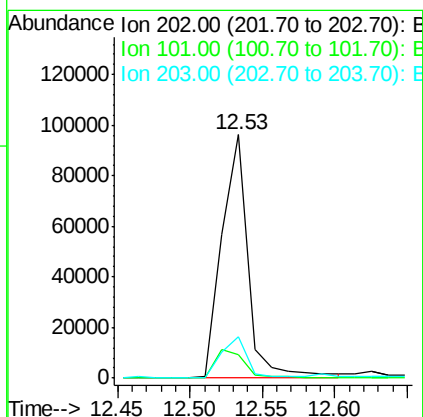
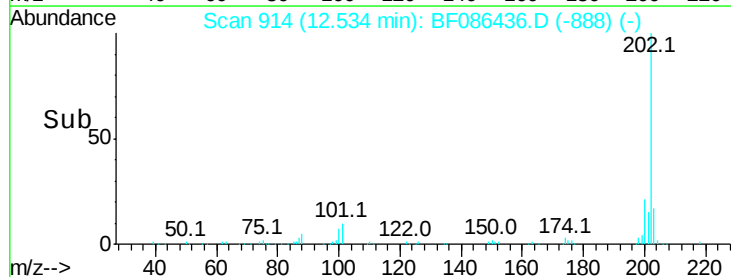
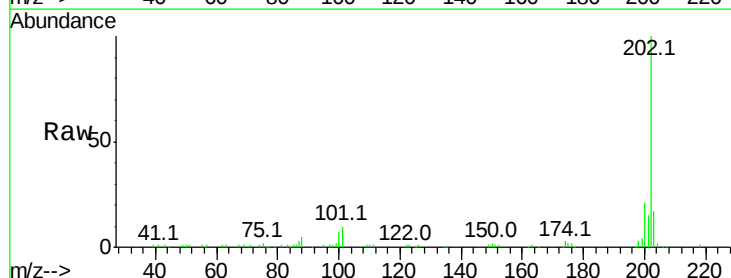
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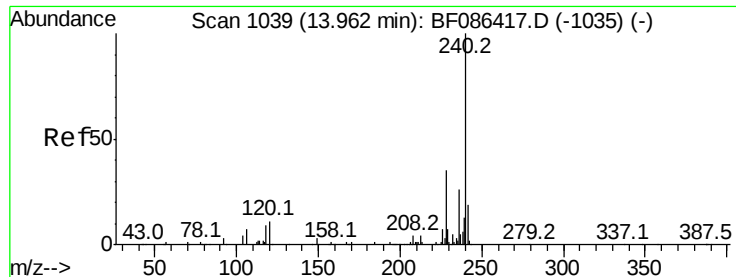
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#74
Fluoranthene
Concen: 7.09 ng
RT: 12.53 min Scan# 914
Delta R.T. 0.00 min
Lab File: BF086436.D
Acq: 27 Apr 2016 21:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	35.4
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF086436.D

Acq: 27 Apr 2016 21:03

Instrument :

BNA_F

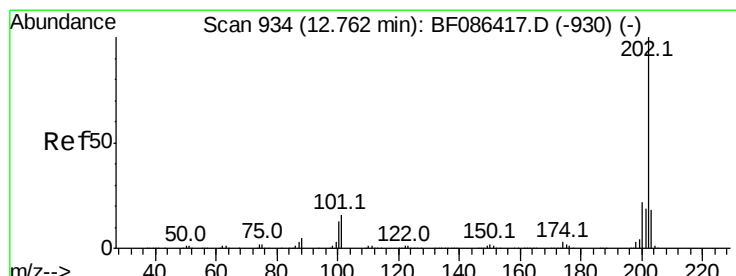
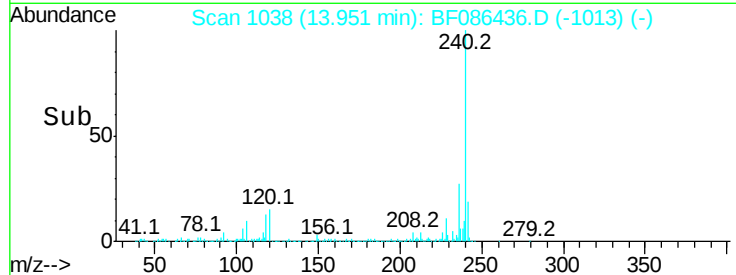
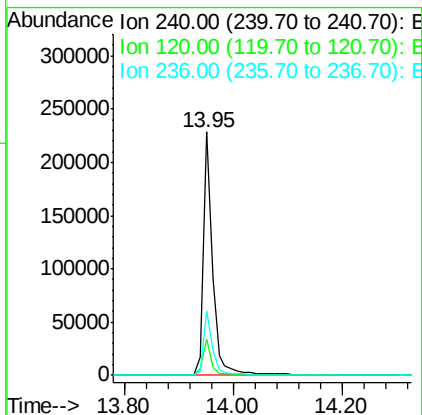
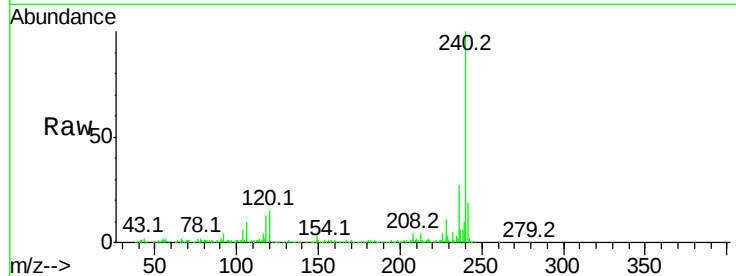
ClientSampleId :

TH-B4(0-5)-C

Tot Ion:	240	Resp:	271436
Ion Ratio	Lower	Upper	
240	100		
120	14.9	11.2	16.8
236	26.7	21.2	31.8

Manual Integrations
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#77

Pyrene

Concen: 5.37 ng

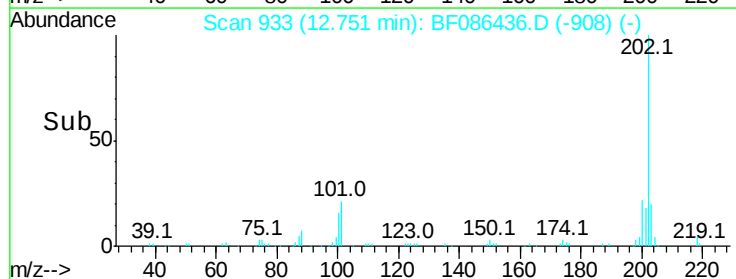
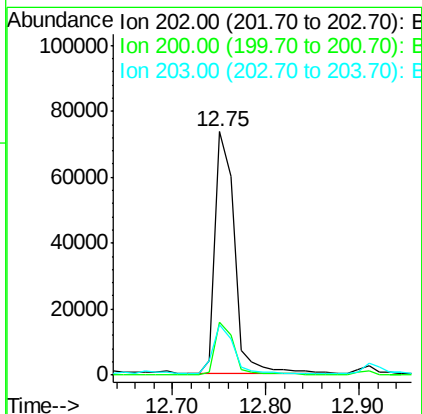
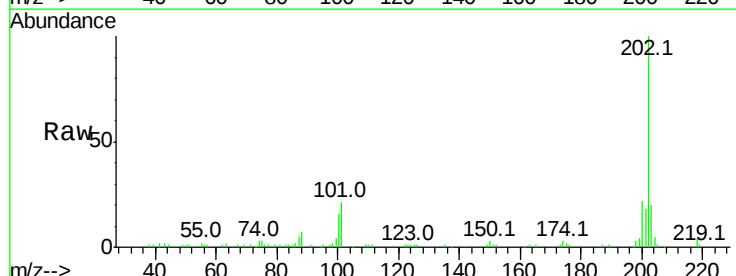
RT: 12.75 min Scan# 933

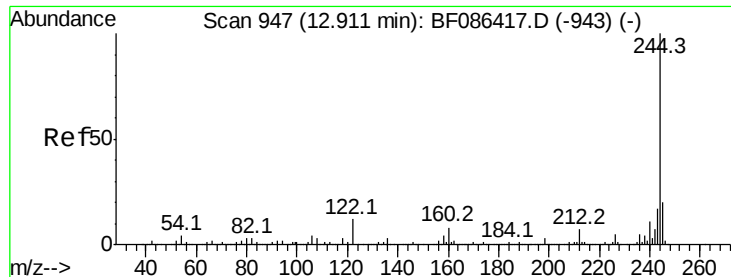
Delta R.T. -0.01 min

Lab File: BF086436.D

Acq: 27 Apr 2016 21:03

Tgt Ion:	202	Resp:	105058
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.7	26.5
203	20.4	14.2	21.4





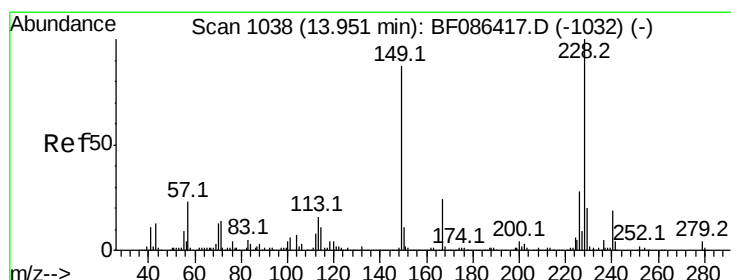
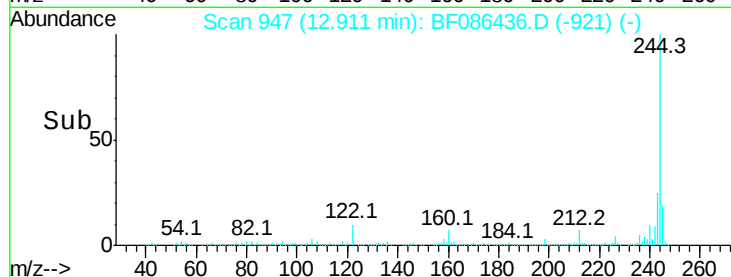
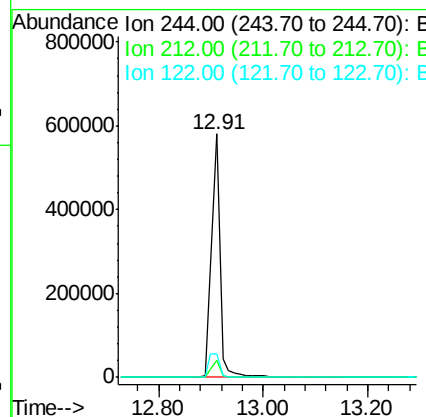
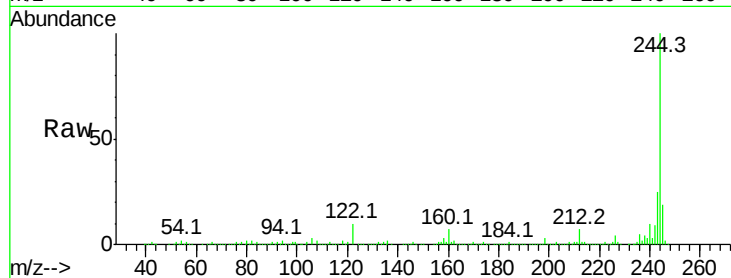
#78
 Terphenyl-d14
 Concen: 53.56 ng
 RT: 12.91 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF086436.D
 Acq: 27 Apr 2016 21:03

Instrument :
 BNA_F
 ClientSampleId :
 TH-B4(0-5)-C

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.9	6.2	9.2	
122	9.7	12.0	18.0	

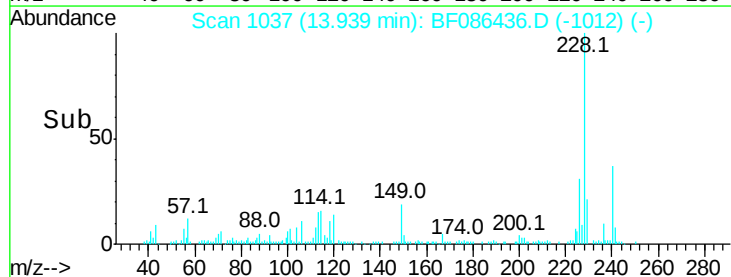
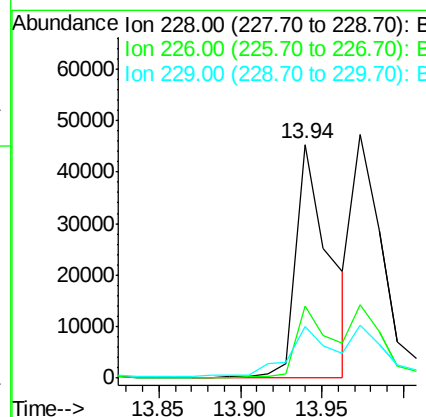
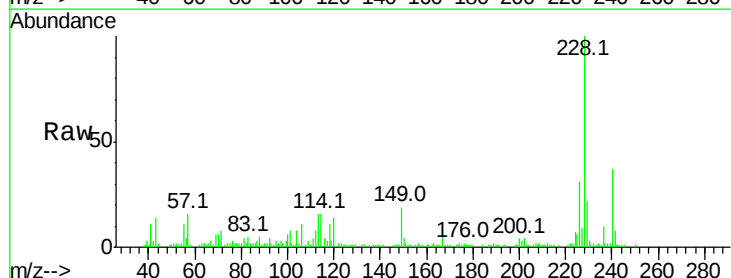
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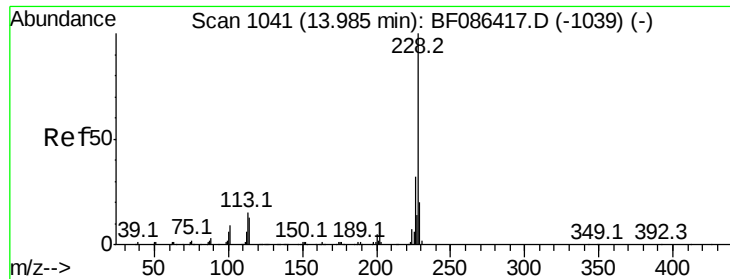
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#80
 Benzo(a)anthracene
 Concen: 4.53 ng
 RT: 13.94 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: BF086436.D
 Acq: 27 Apr 2016 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.7	22.5	33.7	
229	21.9	16.6	25.0	





#82

Chrysene

Concen: 3.97 ng/mL

RT: 13.97 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF086436.D

Acq: 27 Apr 2016 21:03

Instrument :

BNA_F

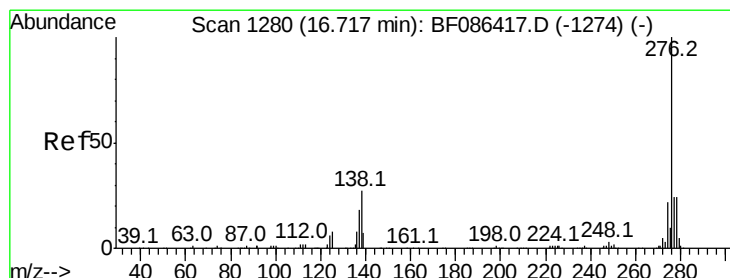
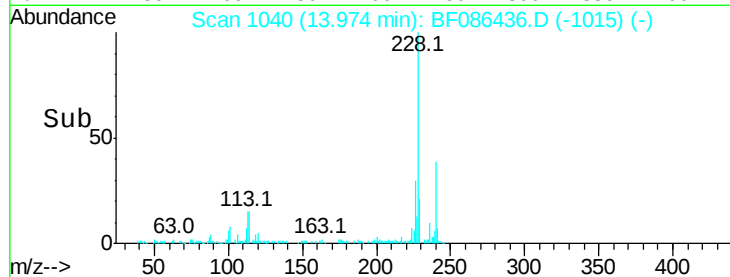
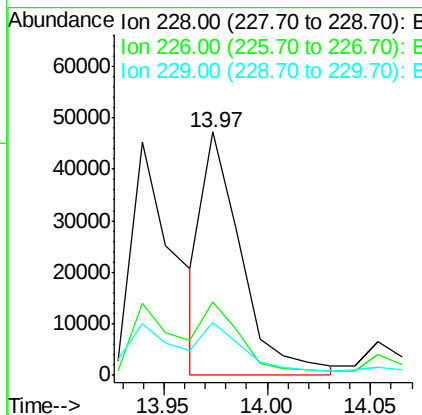
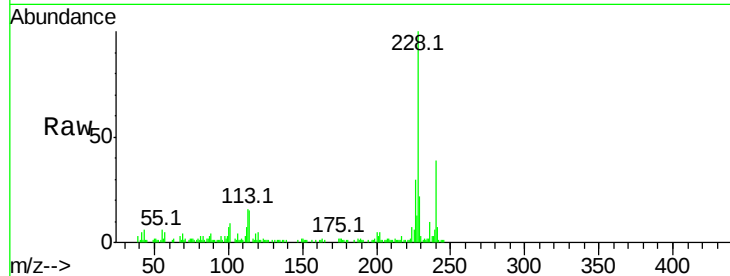
ClientSampleId :

TH-B4(0-5)-C

Tot Ion:	228	Resp:	62443
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.4	36.6
229	21.9	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.16 ng/mL

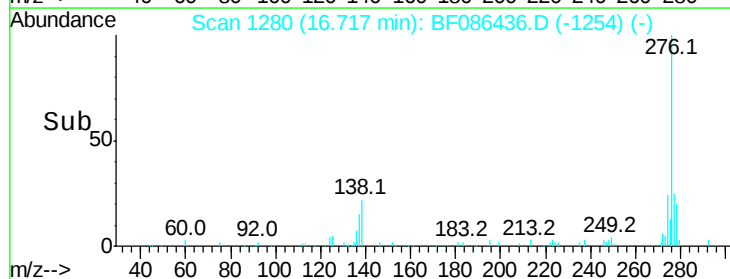
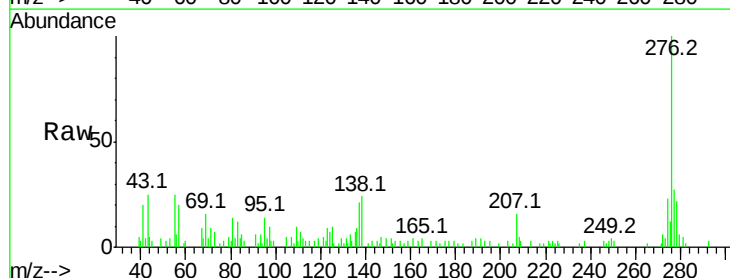
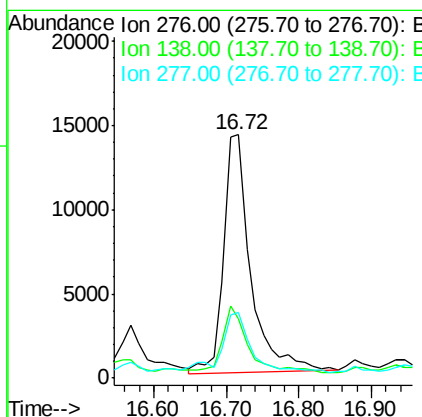
RT: 16.72 min Scan# 1280

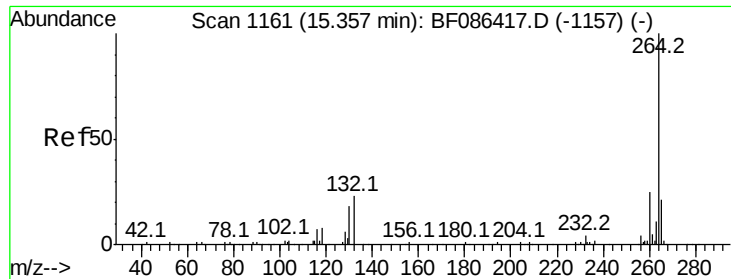
Delta R.T. 0.00 min

Lab File: BF086436.D

Acq: 27 Apr 2016 21:03

Tgt Ion:	276	Resp:	36806
Ion Ratio	Lower	Upper	
276	100		
138	28.9	25.6	38.4
277	31.5	20.5	30.7#





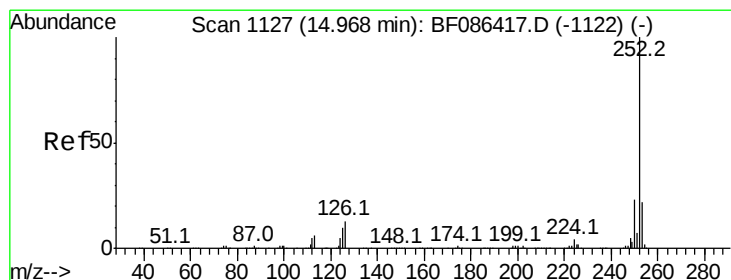
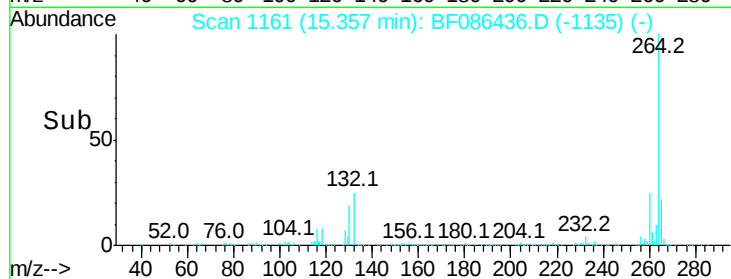
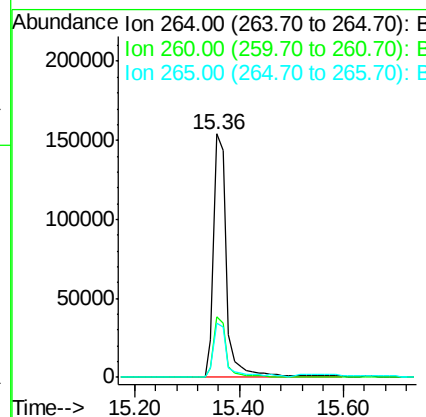
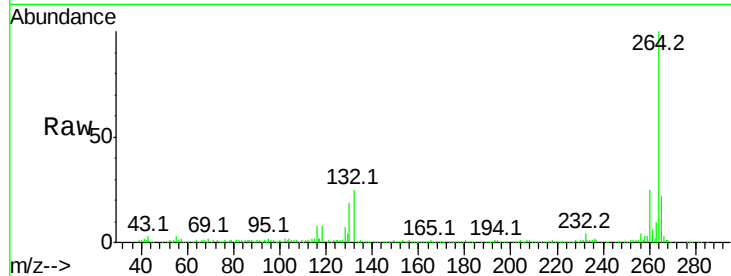
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF086436.D
Acq: 27 Apr 2016 21:03

Instrument :
BNA_F
ClientSampleId :
TH-B4(0-5)-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	22.3	17.3	25.9

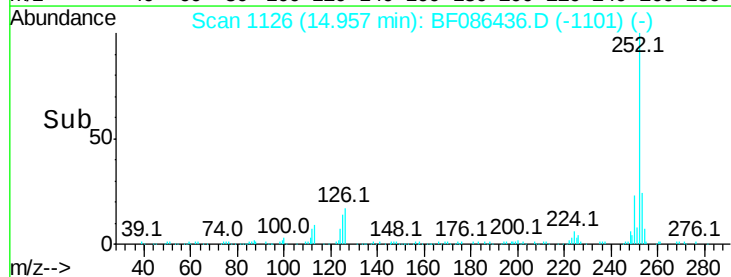
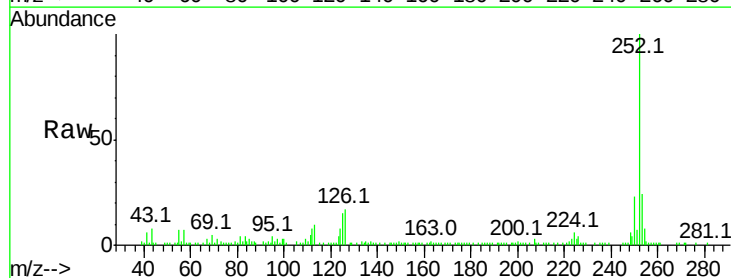
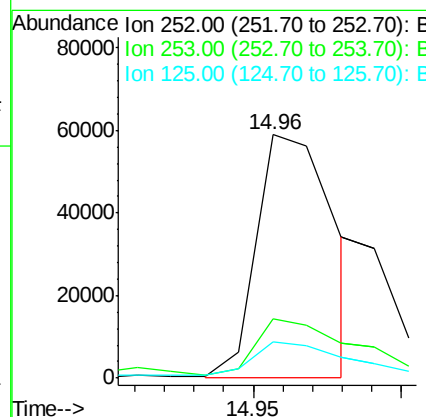
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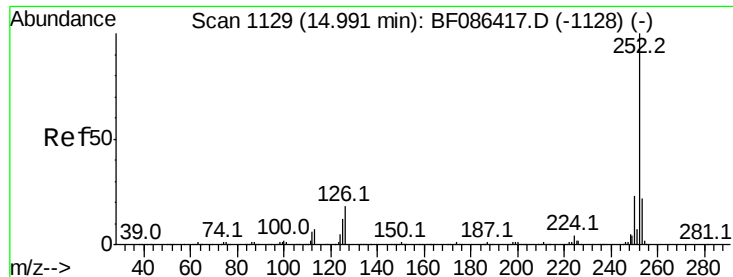
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#87
Benzo(b)fluoranthene
Concen: 6.75 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF086436.D
Acq: 27 Apr 2016 21:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	15.1	11.4	17.0





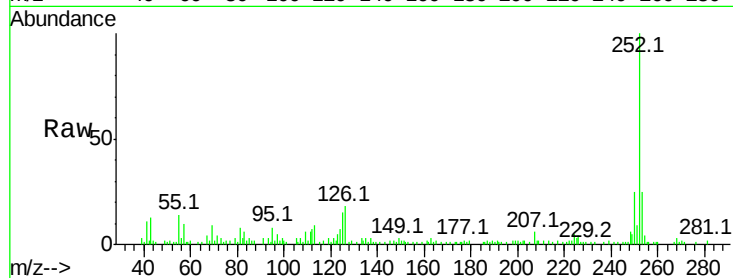
#88
Benzo(k)fluoranthene
Concen: 2.15 ng m
RT: 14.98 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF086436.D
Acq: 27 Apr 2016 21:03

Instrument :
BNA_F
ClientSampleId :
TH-B4(0-5)-C

Tot Ion	Ratio	Resp	Lower	Upper
252	100	35446		
253	24.9	17.8	26.6	
125	15.2	9.1	13.7	

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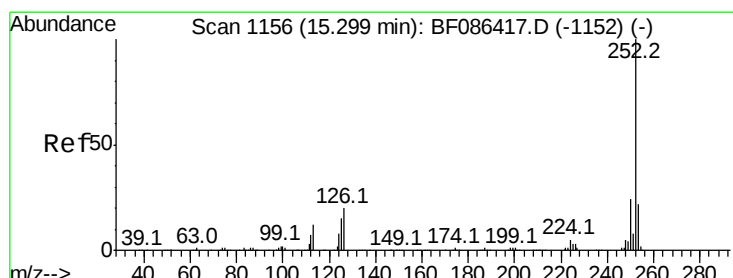
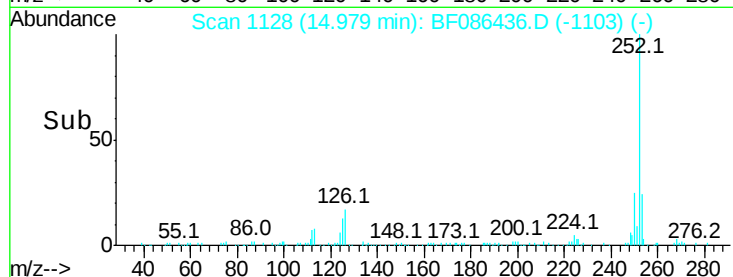
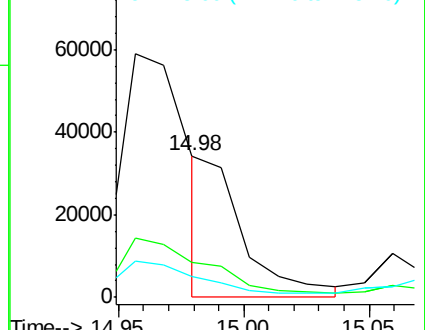


Abundance

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: 4.28 ng
RT: 15.30 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF086436.D
Acq: 27 Apr 2016 21:03

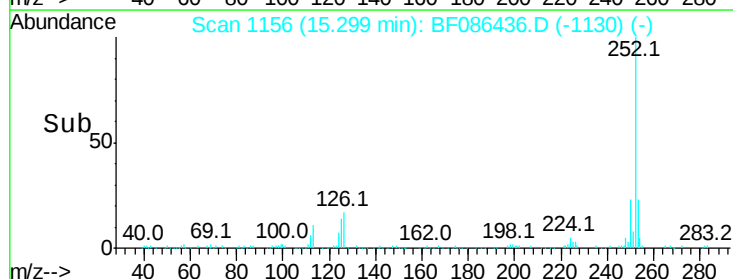
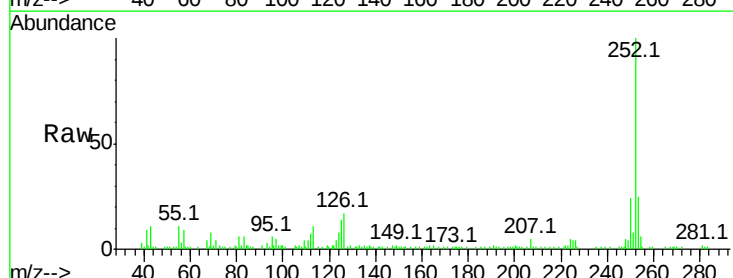
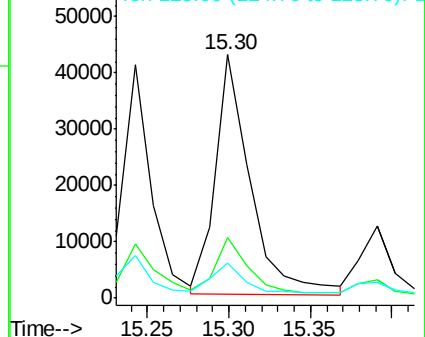
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	63898		
253	24.7	17.2	25.8	
125	14.3	9.0	13.6	

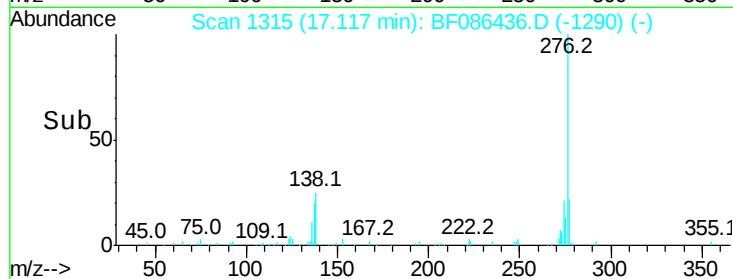
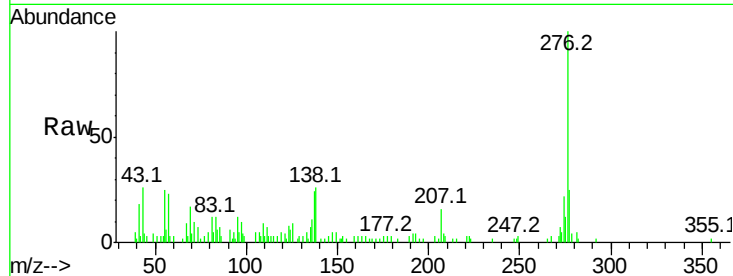
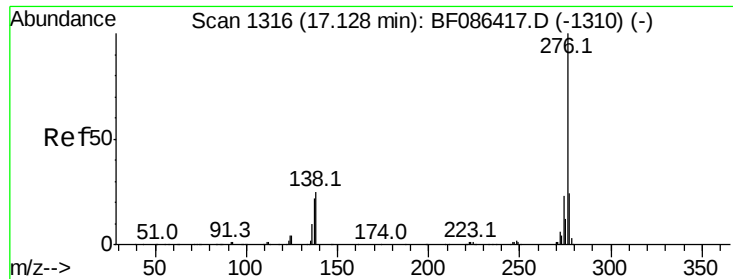
Abundance

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





#91

Benzo(a,h,i)perylene

Concen: 2.95 ng

RT: 17.12 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF086436.D

Acq: 27 Apr 2016 21:03

Instrument :

BNA_F

ClientSampleId :

TH-B4(0-5)-C

Tot Ion:	276	Resp:	36175
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.6	29.4
138	26.4	23.6	35.4

Manual Integrations
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