

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086437.D
 Acq On : 27 Apr 2016 21:32
 Operator : UM/SJ
 Sample : H2726-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TPE-WC-1

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Quant Time: Apr 28 01:49:34 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	123810	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	494193	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	187197	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	284811	20.00	ng	0.00
75) Chrysene-d12	13.96	240	264597	20.00	ng	0.00
86) Perylene-d12	15.37	264	247668	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	953333	132.81	ng	0.01
7) Phenol-d6	6.44	99	1279846	127.75	ng	0.00
23) Nitrobenzene-d5	7.37	82	810745	88.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	218149	110.50	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1112698	110.57	ng	0.00
78) Terphenyl-d14	12.91	244	691740	57.60	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	138678	9.84	ng	100
70) Phenanthrene	11.34	178	326886	21.87	ng	100
71) Anthracene	11.40	178	102707	6.44	ng	99
74) Fluoranthene	12.53	202	543366	36.01	ng	98
77) Pyrene	12.76	202	594414	31.18	ng	99
79) Butylbenzylphthalate	13.38	149	27586	3.34	ng	# 53
80) Benzo(a)anthracene	13.95	228	302445	21.44	ng	99
82) Chrysene	13.99	228	299683m	19.54	ng	
83) Bis(2-ethylhexyl)phthalate	13.95	149	30906	3.02	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.72	276	94926	8.35	ng	# 90
87) Benzo(b)fluoranthene	14.97	252	281138m	19.30	ng	
88) Benzo(k)fluoranthene	14.98	252	134052m	8.82	ng	
89) Benzo(a)pyrene	15.31	252	222836	16.20	ng	# 95
90) Dibenzo(a,h)anthracene	16.73	278	23120	2.05	ng	# 86
91) Benzo(a,h,i)perylene	17.13	276	89731	7.95	ng	96

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

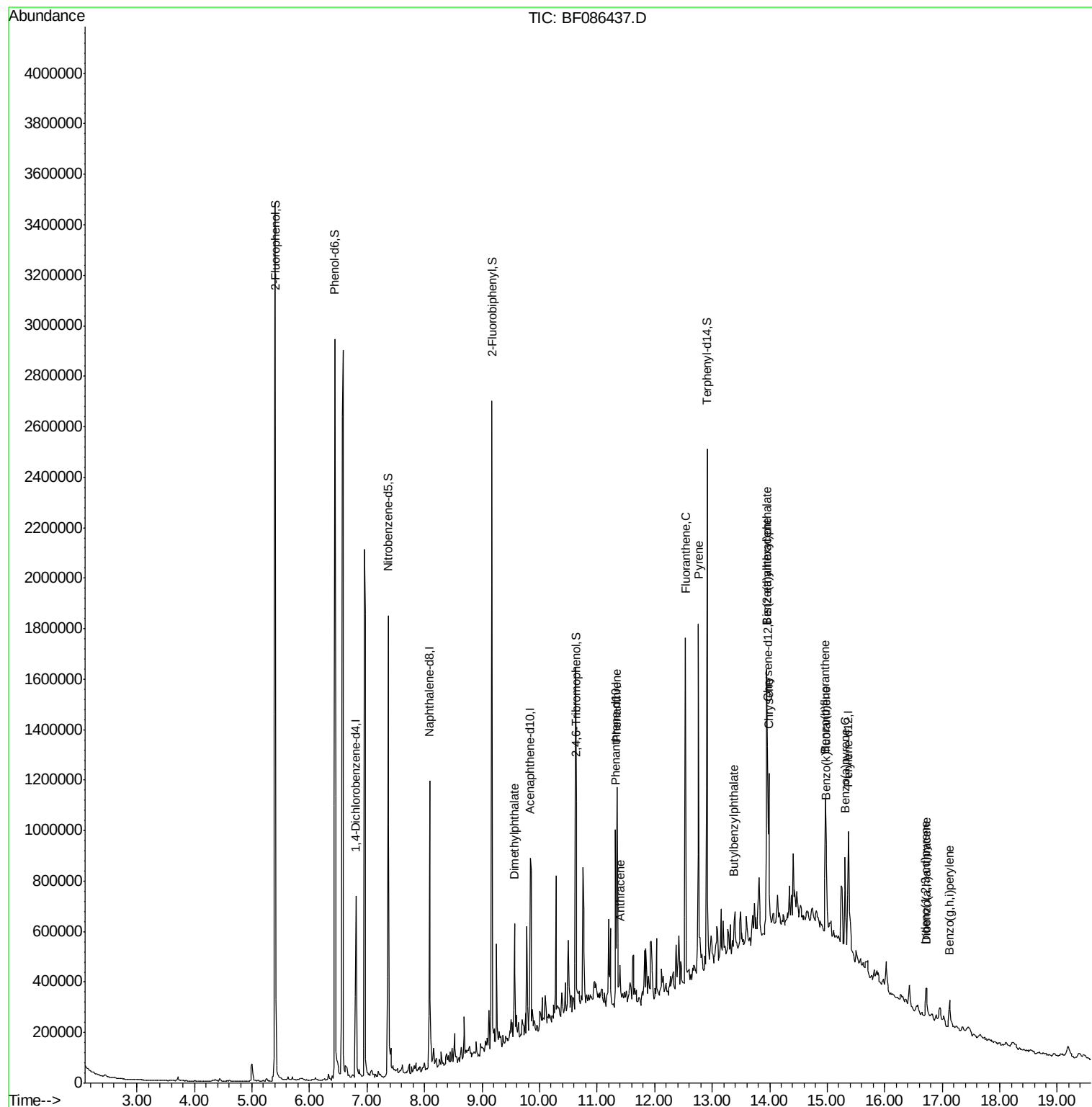
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
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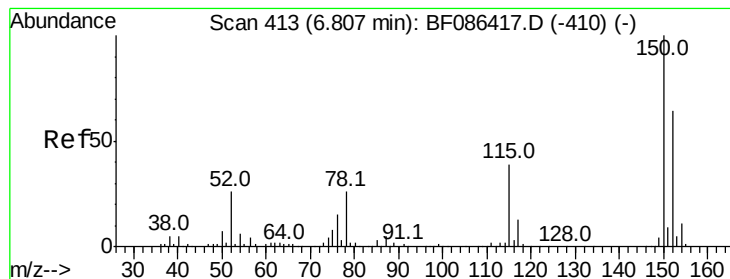
Instrument :
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TPFE-WC-1

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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: BF086437.D

Acq: 27 Apr 2016 21:32

Instrument :

BNA_F

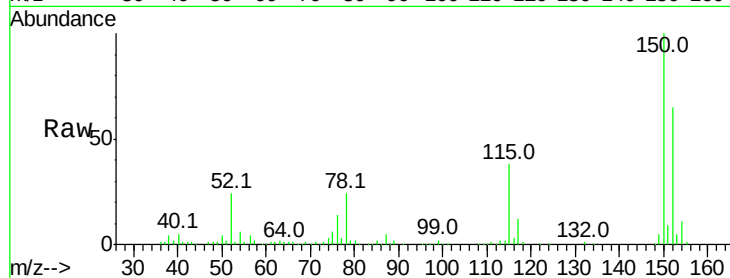
ClientSampleId :

TPFE-WC-1

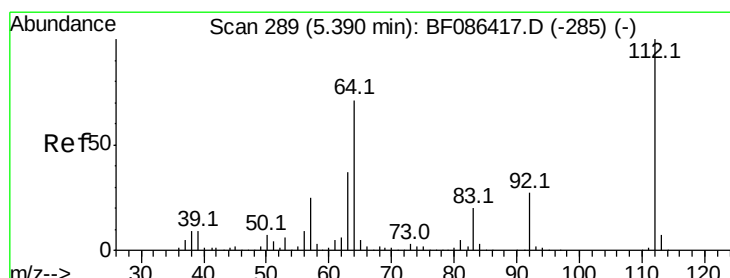
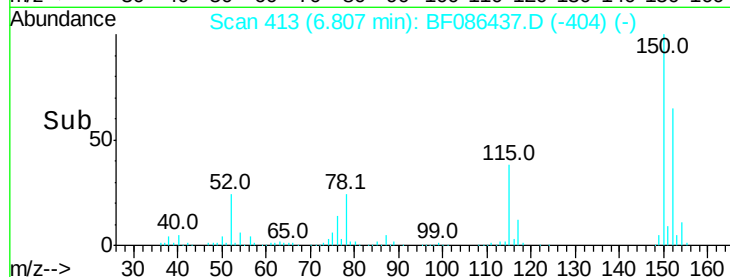
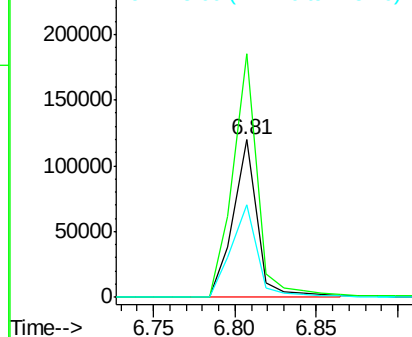
Tot Ion:	152	Resp:	123810
Ion Ratio	Lower	Upper	
152	100		
150	154.7	125.8	188.6
115	58.9	51.5	77.3

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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: 132.81 ng

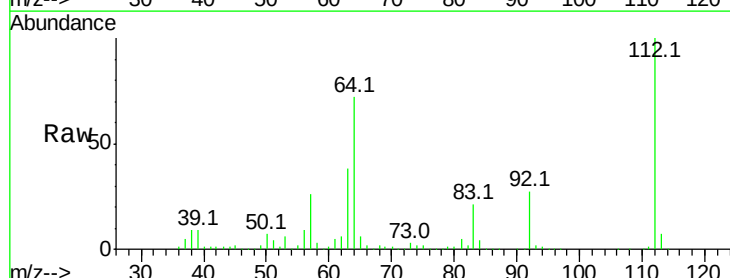
RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

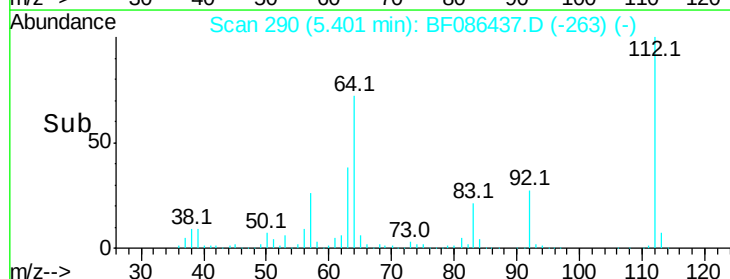
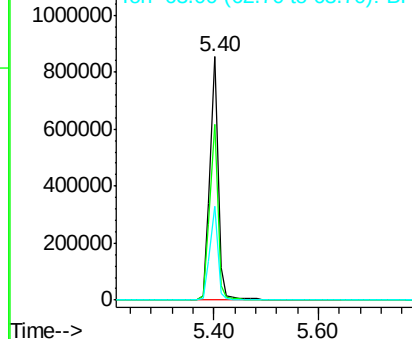
Lab File: BF086437.D

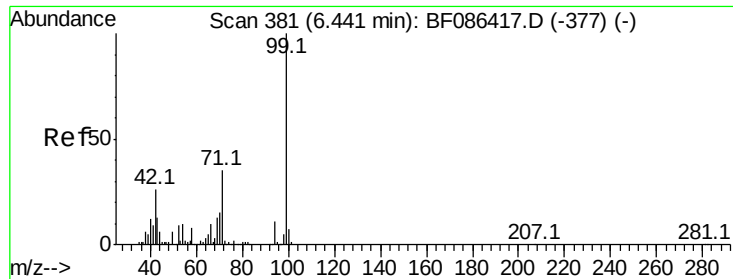
Acq: 27 Apr 2016 21:32

Tgt Ion:	112	Resp:	953333
Ion Ratio	Lower	Upper	
112	100		
64	72.2	52.1	78.1
63	38.4	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: 127.75 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF086437.D

Acq: 27 Apr 2016 21:32

Instrument :

BNA_F

ClientSampleId :

TPFE-WC-1

Tot Ion: 99 Resp: 1279846

Ion Ratio Lower Upper

99 100

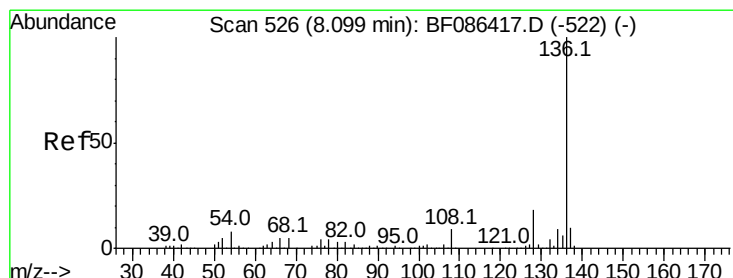
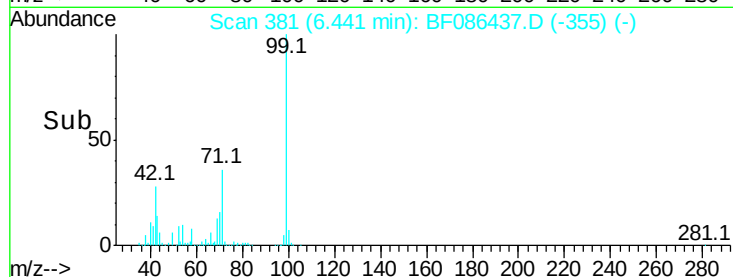
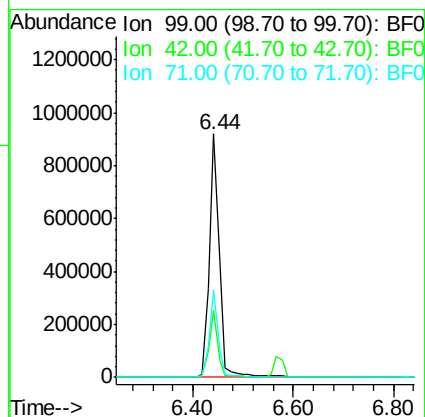
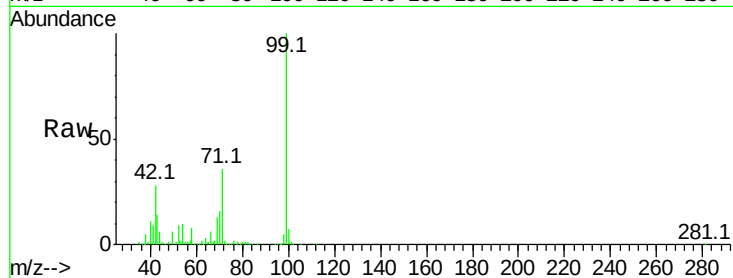
42 27.6 13.6 20.4#

71 36.0 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: BF086437.D

Acq: 27 Apr 2016 21:32

Tgt Ion: 136 Resp: 494193

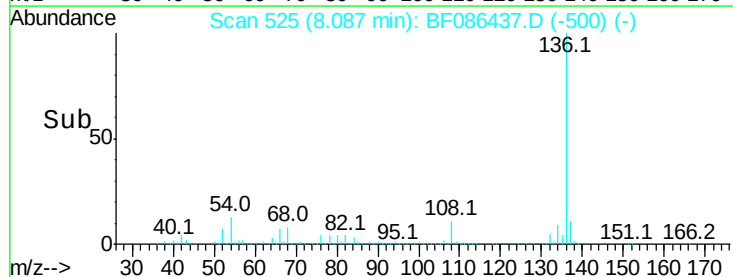
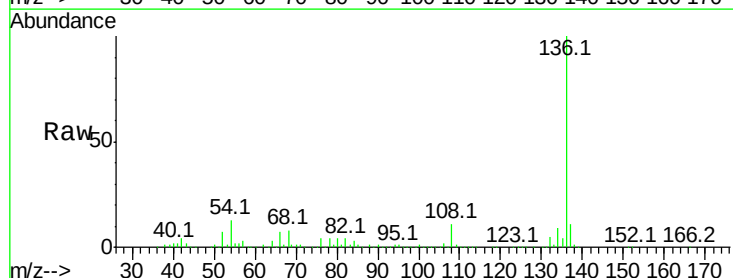
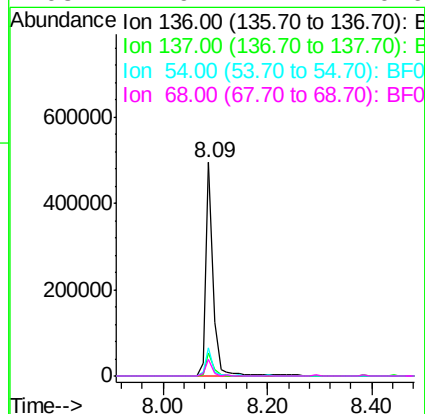
Ion Ratio Lower Upper

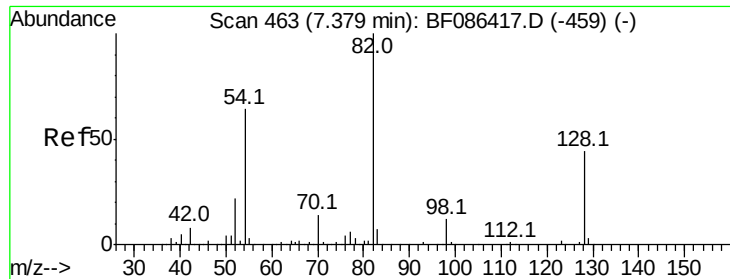
136 100

137 11.1 8.8 13.2

54 13.0 5.0 7.4#

68 7.9 4.4 6.6#





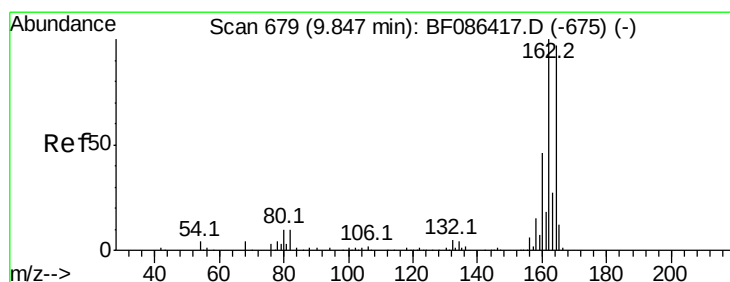
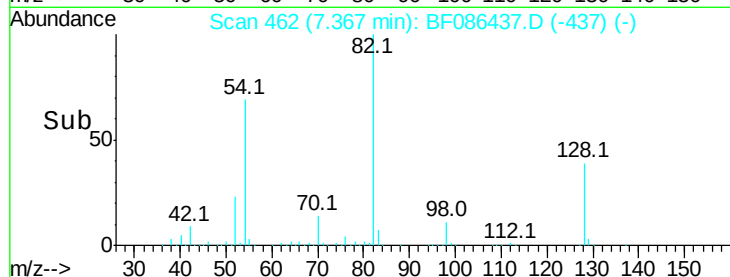
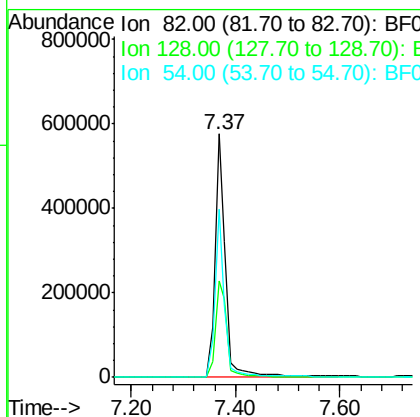
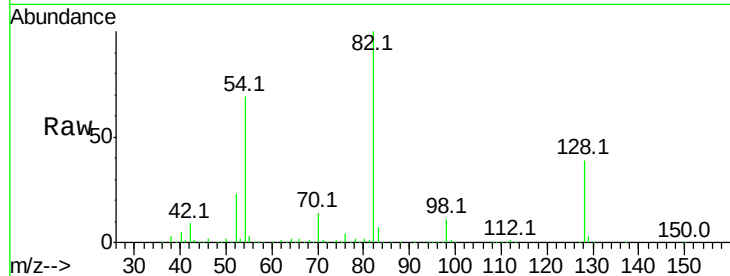
#23
 Nitrobenzene-d5
 Concen: 88.43 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: BF086437.D
 Acq: 27 Apr 2016 21:32

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.4	40.6	61.0#	
54	68.8	38.1	57.1#	

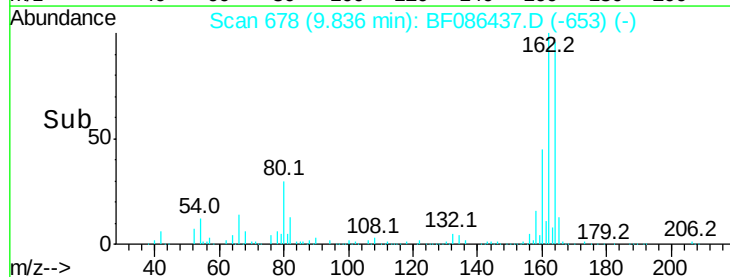
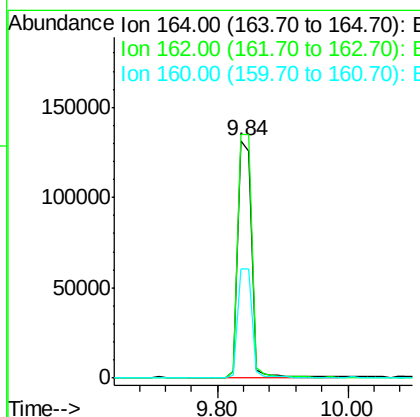
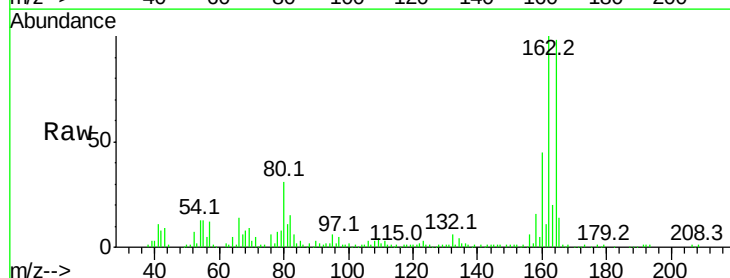
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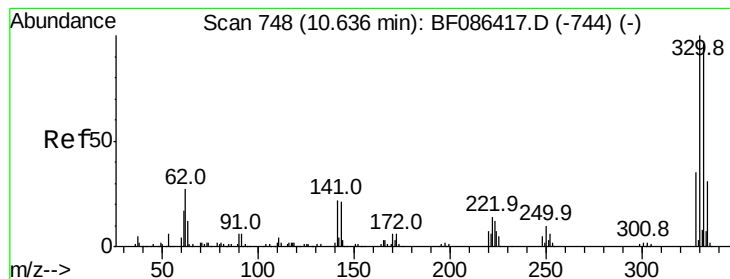
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: BF086437.D
 Acq: 27 Apr 2016 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.3	82.8	124.2	
160	45.9	36.9	55.3	





#41

2,4,6-Tribromophenol

Concen: 110.50 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF086437.D

Acq: 27 Apr 2016 21:32

Instrument :

BNA_F

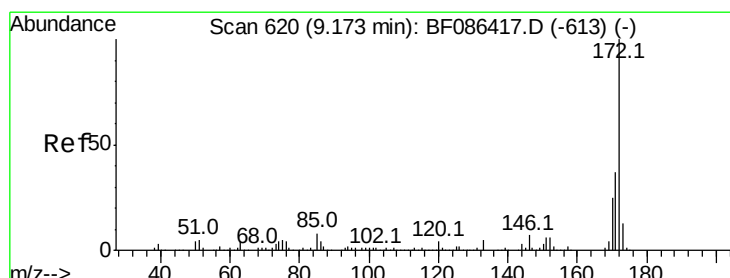
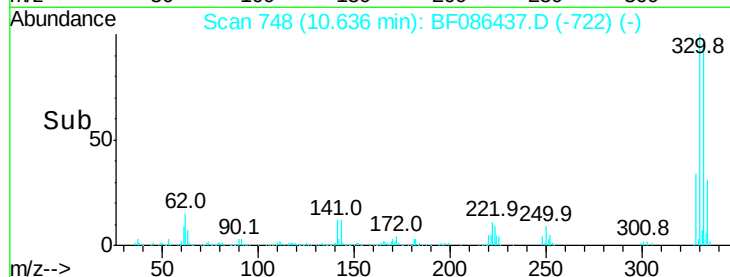
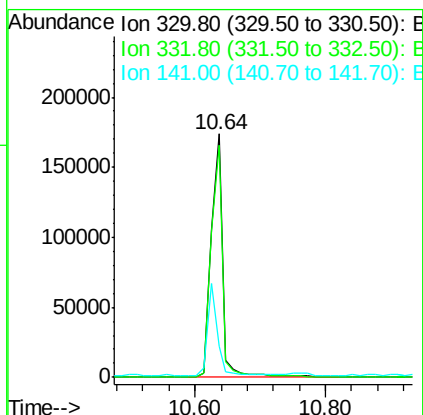
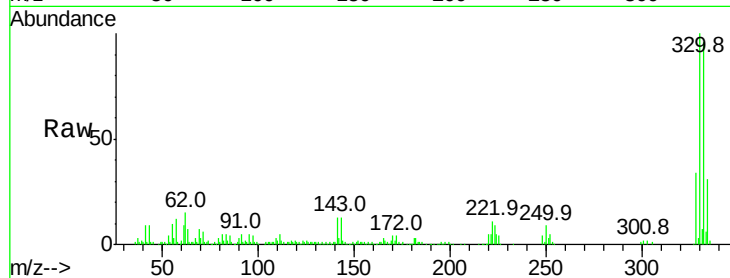
ClientSampleId :

TPFE-WC-1

Tot Ion:	330	Resp:	218149
Ion Ratio	Lower	Upper	
330	100		
332	97.1	79.0	118.4
141	32.4	31.2	46.8

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#44

2-Fluorobiphenyl

Concen: 110.57 ng

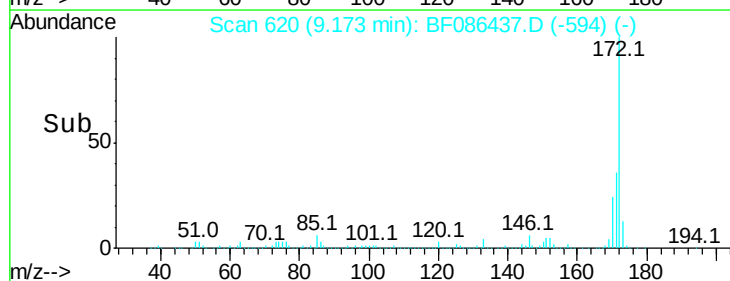
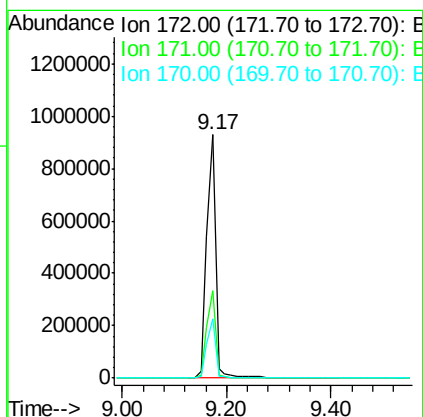
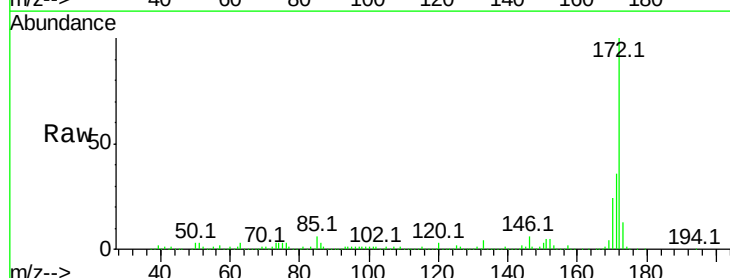
RT: 9.17 min Scan# 620

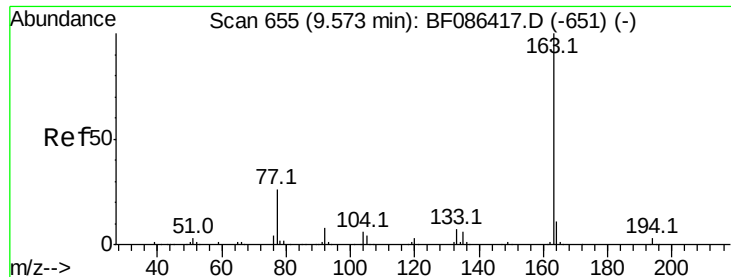
Delta R.T. 0.00 min

Lab File: BF086437.D

Acq: 27 Apr 2016 21:32

Tgt Ion:	172	Resp:	1112698
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.0	43.6
170	24.2	19.8	29.8





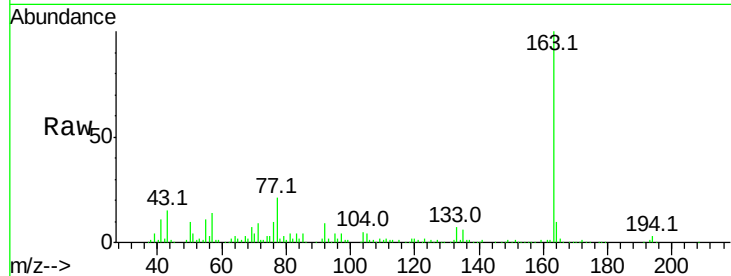
#49
Dimethylphthalate
Concen: 9.84 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF086437.D
Acq: 27 Apr 2016 21:32

Instrument :
BNA_F
ClientSampleId :
TPFE-WC-1

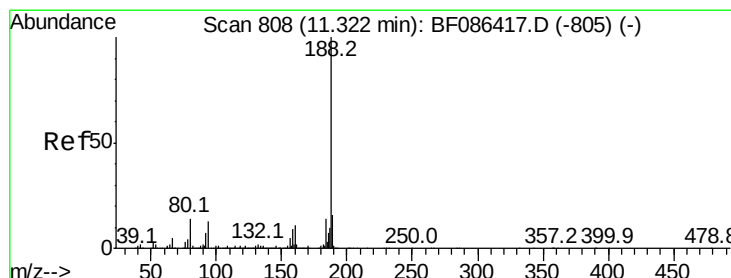
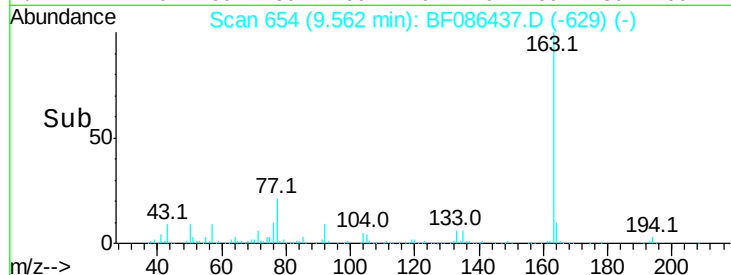
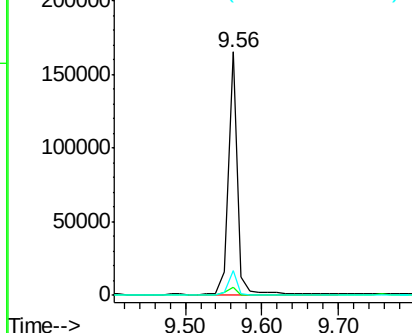
Tot Ion:	163	Resp:	138678
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.6	4.0
164	10.2	8.2	12.4

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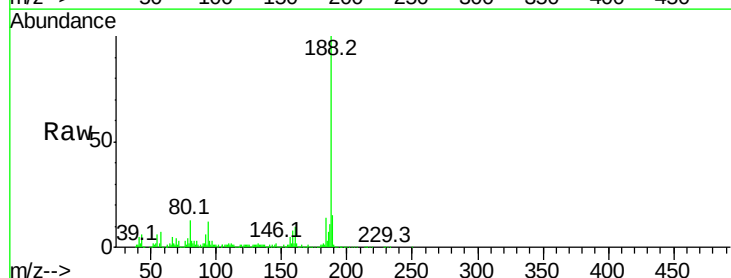


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

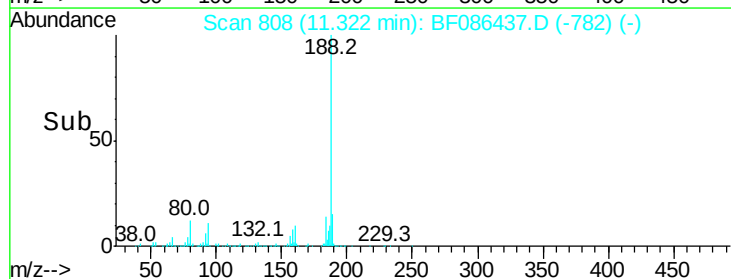
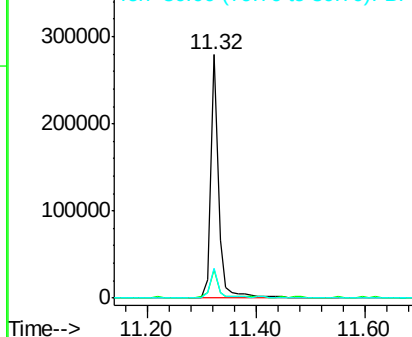


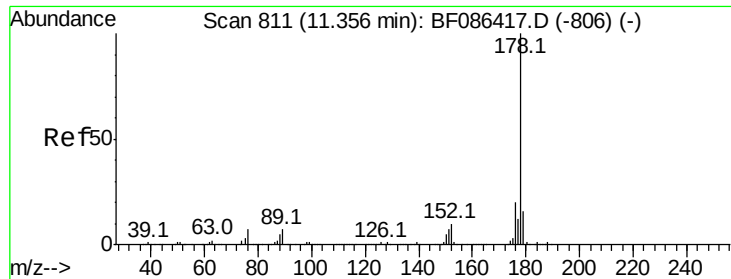
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF086437.D
Acq: 27 Apr 2016 21:32

Tgt Ion:	188	Resp:	284811
Ion Ratio	Lower	Upper	
188	100		
94	11.8	6.8	10.2#
80	12.5	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: 21.87 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF086437.D

Acq: 27 Apr 2016 21:32

Instrument :

BNA_F

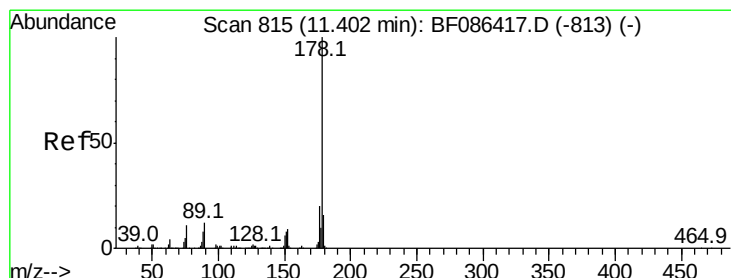
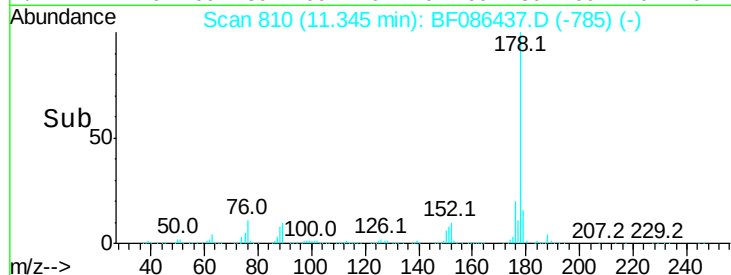
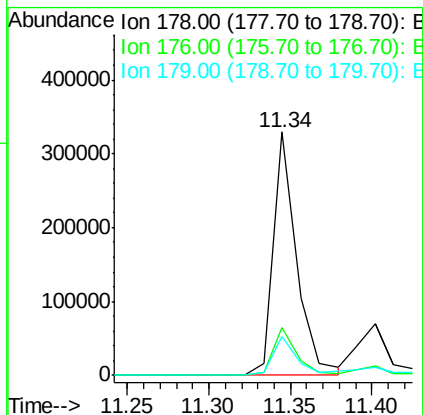
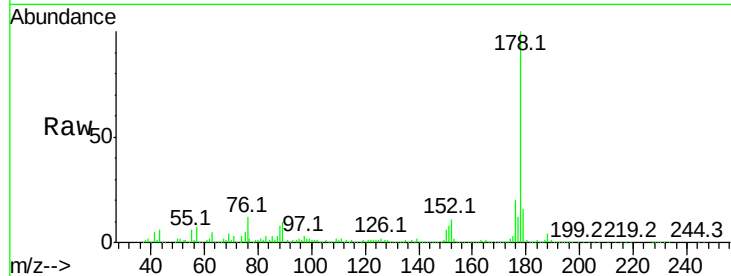
ClientSampleId :

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Tot Ion:178	Resp:	326886
Ion Ratio	Lower	Upper
178	100	
176	19.8	16.0 24.0
179	15.9	12.6 18.8

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#71

Anthracene

Concen: 6.44 ng

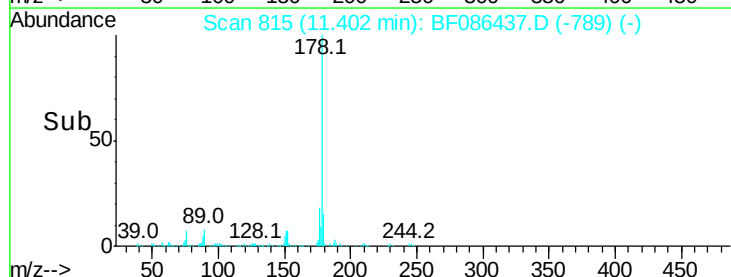
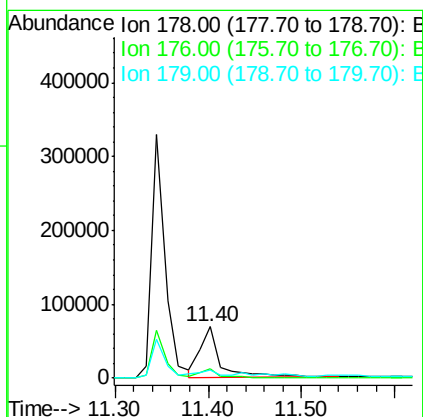
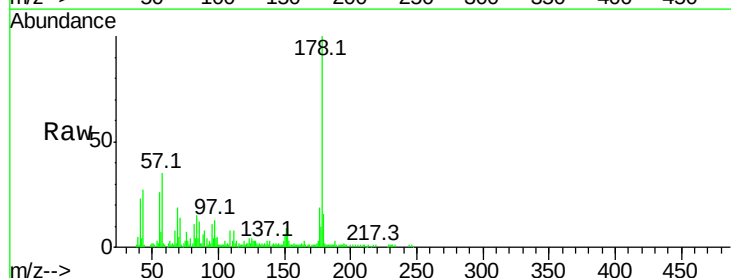
RT: 11.40 min Scan# 815

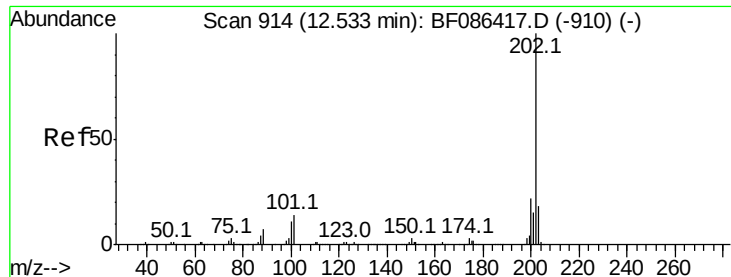
Delta R.T. 0.00 min

Lab File: BF086437.D

Acq: 27 Apr 2016 21:32

Tgt Ion:178	Resp:	102707
Ion Ratio	Lower	Upper
178	100	
176	18.9	15.6 23.4
179	15.9	12.7 19.1





#74

Fluoranthene

Concen: 36.01 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF086437.D

Acq: 27 Apr 2016 21:32

Instrument :

BNA_F

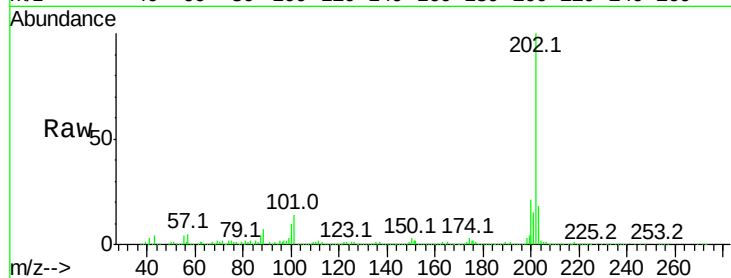
ClientSampleId :

TPFE-WC-1

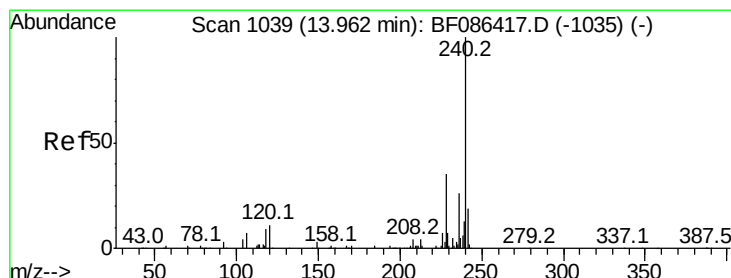
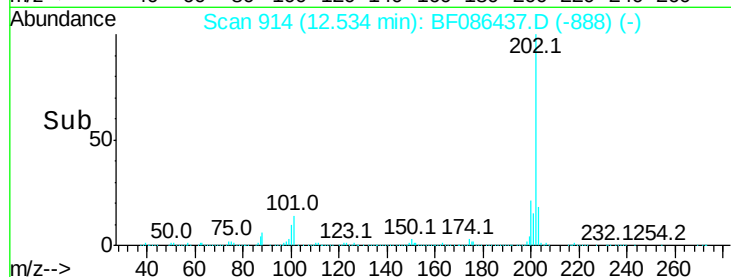
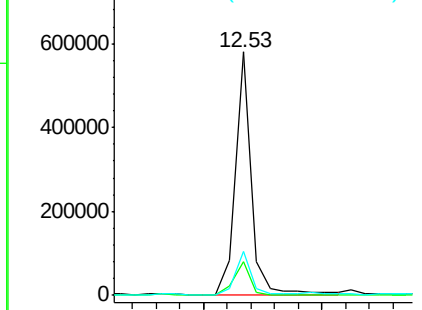
Tot Ion:	202	Resp:	543366
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	35.4
203	18.1	0.0	38.1

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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

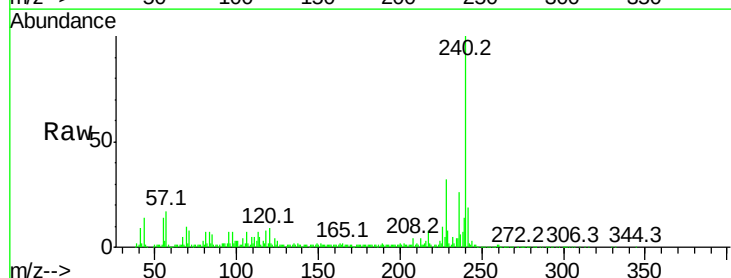
RT: 13.96 min Scan# 1039

Delta R.T. 0.00 min

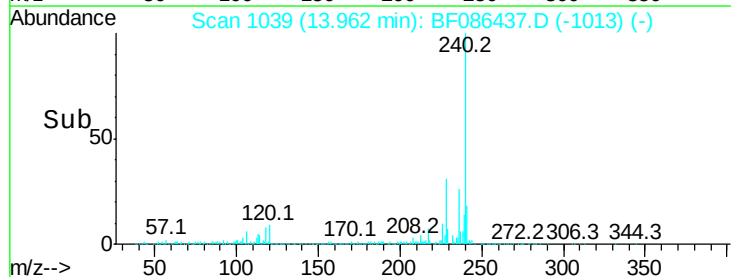
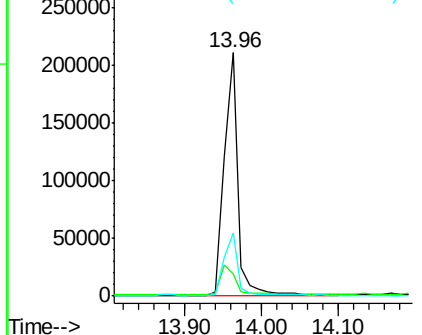
Lab File: BF086437.D

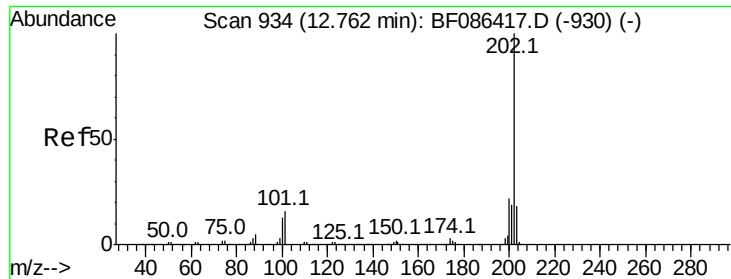
Acq: 27 Apr 2016 21:32

Tgt Ion:	240	Resp:	264597
Ion Ratio	Lower	Upper	
240	100		
120	9.1	11.2	16.8#
236	26.2	21.2	31.8



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





#77

Pvrene

Concen: 31.18 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF086437.D

Acq: 27 Apr 2016 21:32

Instrument :

BNA_F

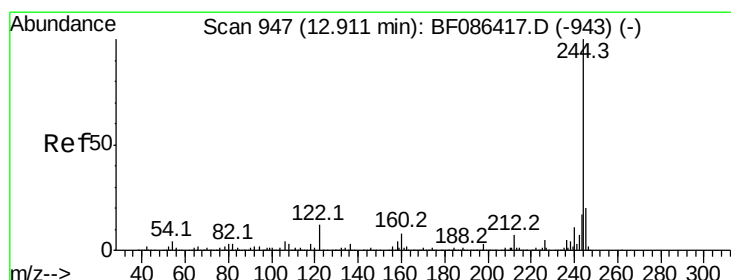
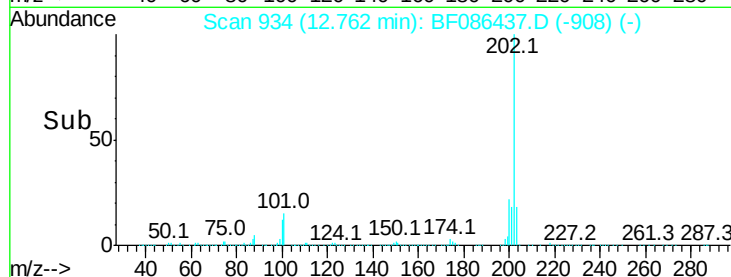
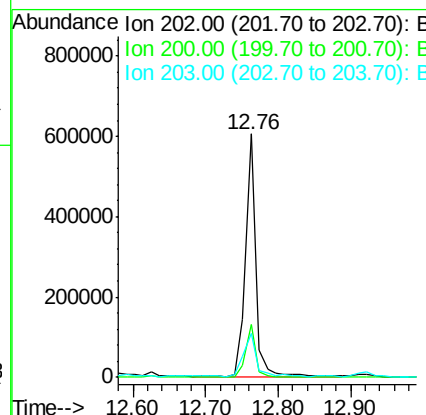
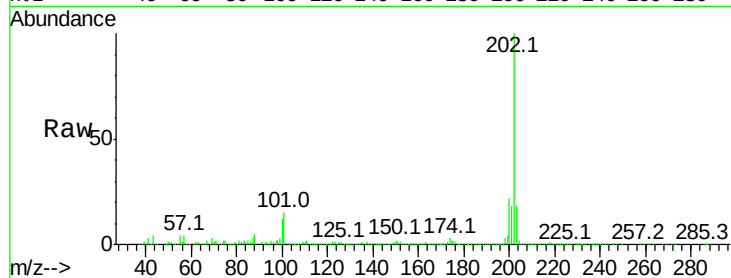
ClientSampleId :

TPFE-WC-1

Tot Ion:	202	Resp:	594414
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.7	26.5
203	18.2	14.2	21.4

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#78

Terphenyl-d14

Concen: 57.60 ng

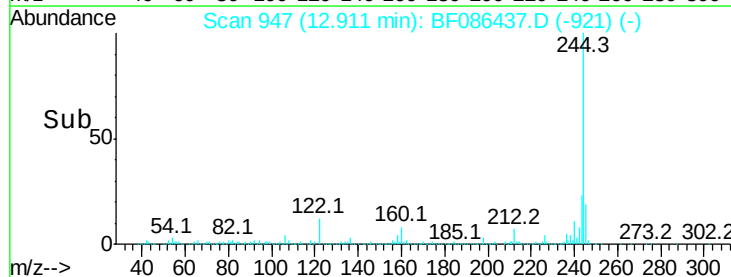
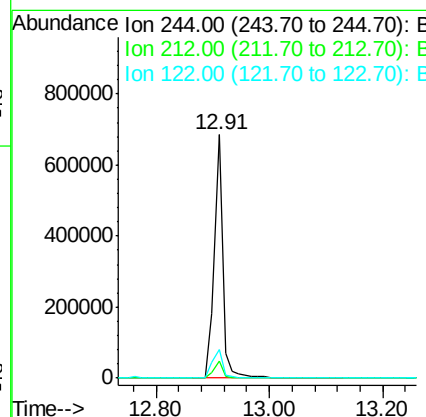
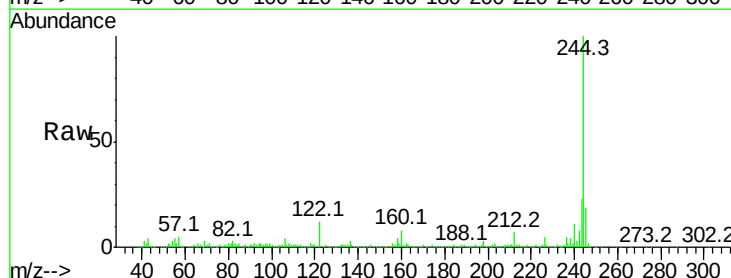
RT: 12.91 min Scan# 947

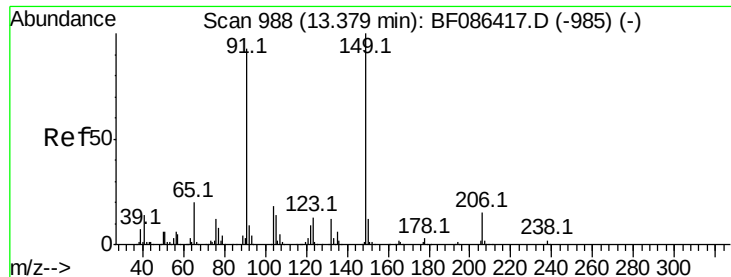
Delta R.T. 0.00 min

Lab File: BF086437.D

Acq: 27 Apr 2016 21:32

Tgt Ion:	244	Resp:	691740
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.2	9.2
122	11.8	12.0	18.0#





#79

Butylbenzylphthalate

Concen: 3.34 ng

RT: 13.38 min Scan# 988

Delta R.T. 0.00 min

Lab File: BF086437.D

Acq: 27 Apr 2016 21:32

Instrument :

BNA_F

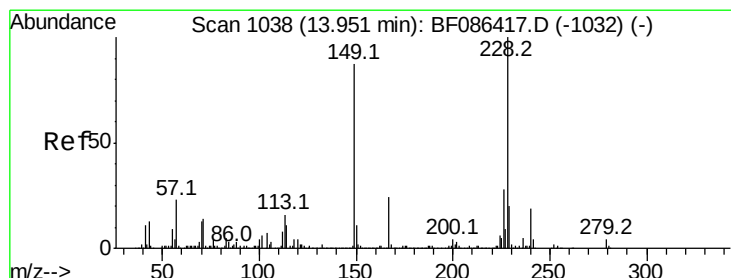
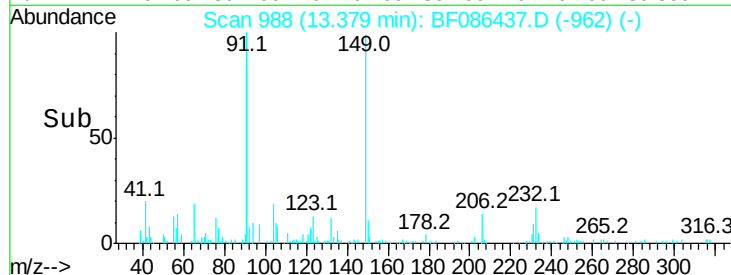
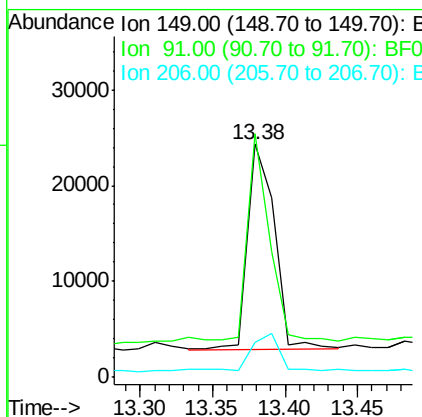
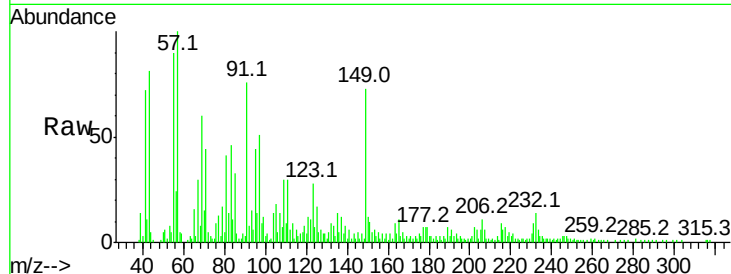
ClientSampleId :

TPFE-WC-1

Tot Ion:	149	Resp:	27586
Ion Ratio	Lower	Upper	
149	100		
91	104.5	48.0	72.0#
206	15.2	15.8	23.6#

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#80

Benzo(a)anthracene

Concen: 21.44 ng

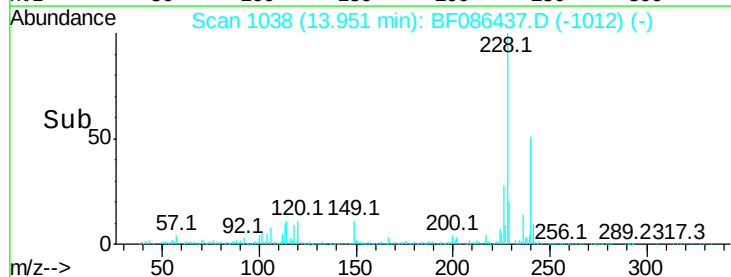
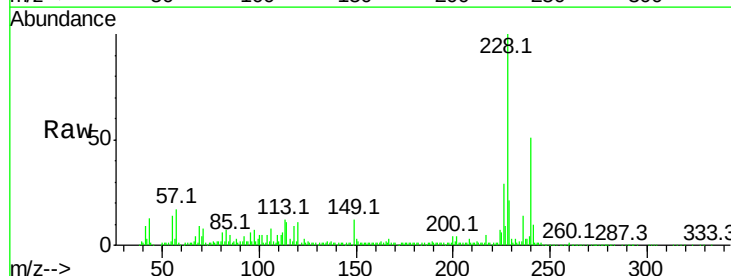
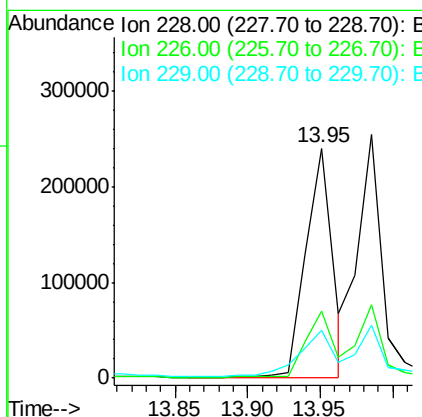
RT: 13.95 min Scan# 1038

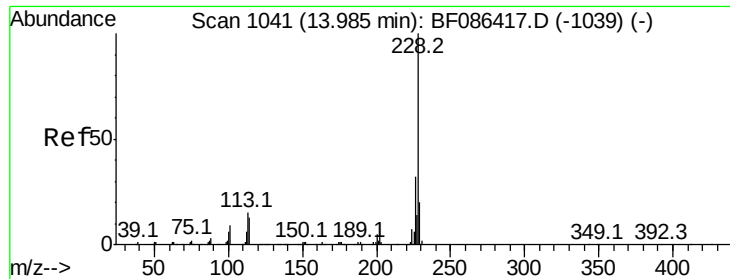
Delta R.T. 0.00 min

Lab File: BF086437.D

Acq: 27 Apr 2016 21:32

Tgt Ion:	228	Resp:	302445
Ion Ratio	Lower	Upper	
228	100		
226	29.0	22.5	33.7
229	21.0	16.6	25.0





#82

Chrysene

Concen: 19.54 ng

RT: 13.99 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF086437.D

Acq: 27 Apr 2016 21:32

Instrument :

BNA_F

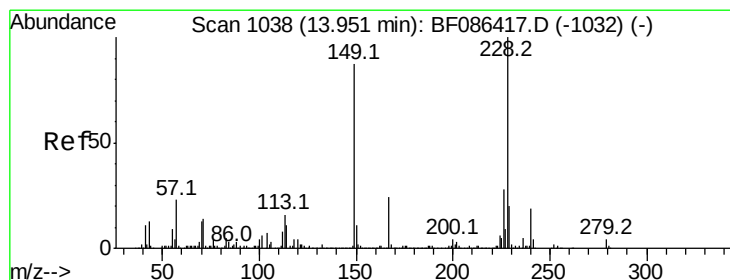
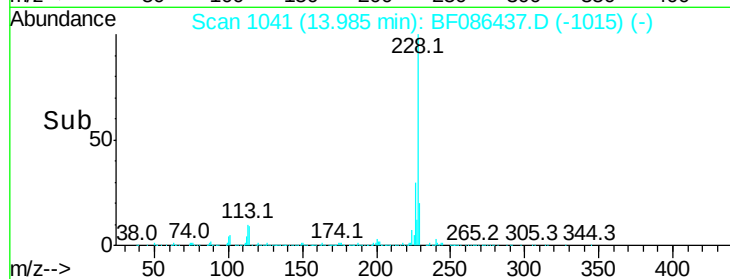
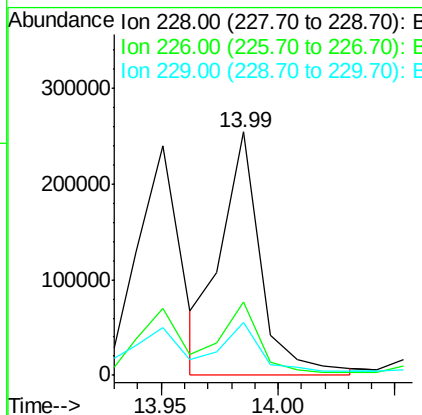
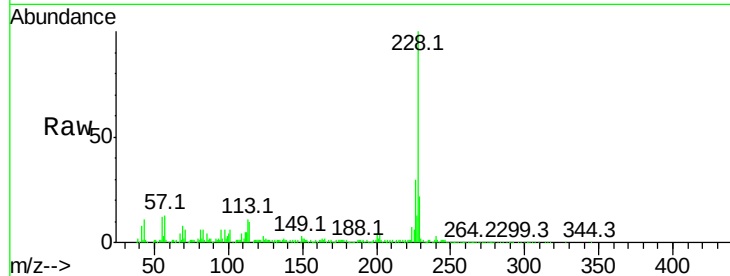
ClientSampled :

TPFE-WC-1

Tot Ion:	228	Resp:	299683
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.4	36.6
229	21.7	15.8	23.8

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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.02 ng

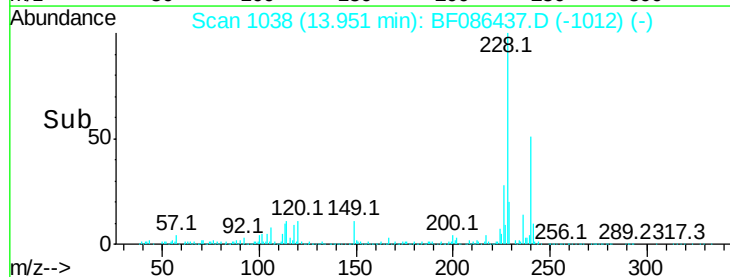
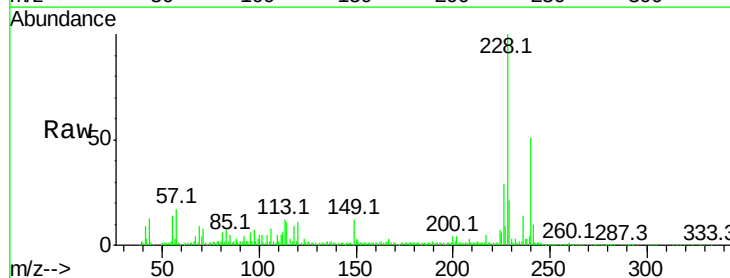
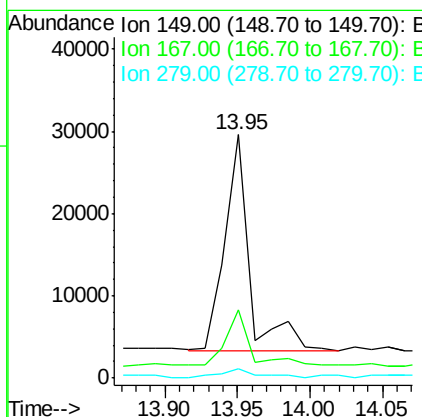
RT: 13.95 min Scan# 1038

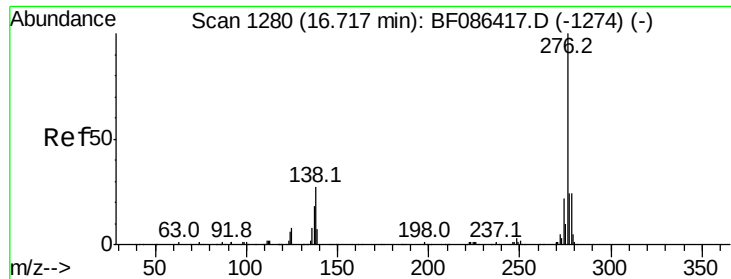
Delta R.T. 0.00 min

Lab File: BF086437.D

Acq: 27 Apr 2016 21:32

Tgt Ion:	149	Resp:	30906
Ion Ratio	Lower	Upper	
149	100		
167	27.9	21.8	32.6
279	4.0	2.6	4.0#





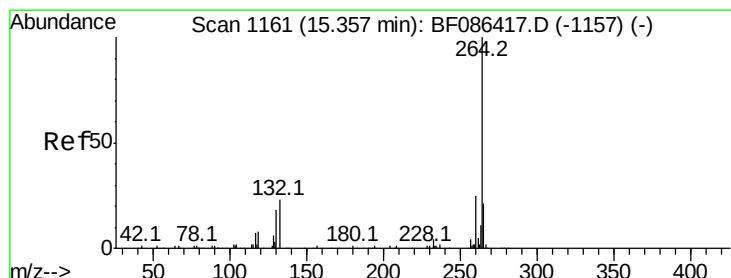
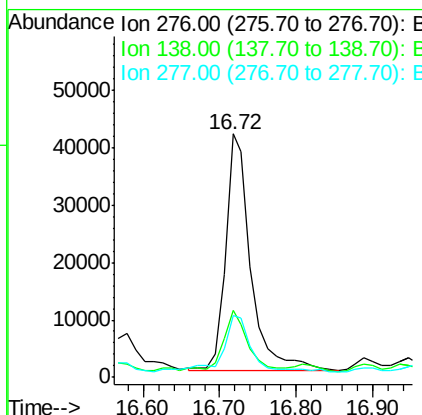
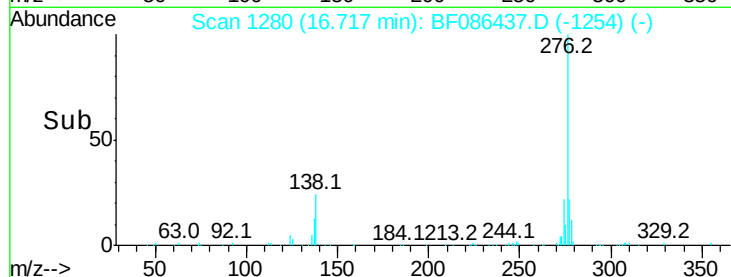
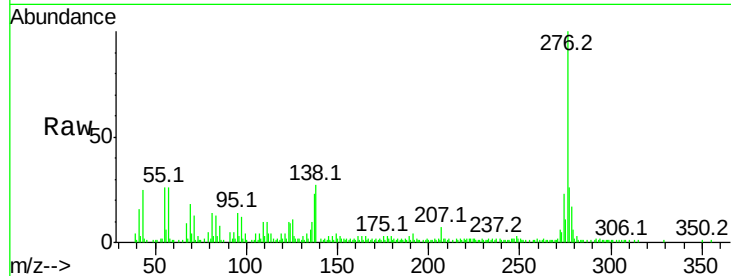
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.35 ng
 RT: 16.72 min Scan# 1280
 Delta R.T. 0.00 min
 Lab File: BF086437.D
 Acq: 27 Apr 2016 21:32

Instrument :
 BNA_F
 ClientSampled :
 TPFE-WC-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.3	25.6	38.4#
277	27.4	20.5	30.7

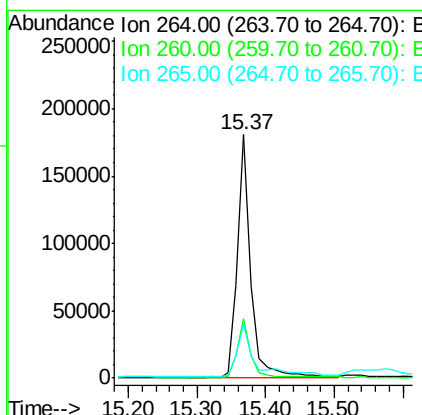
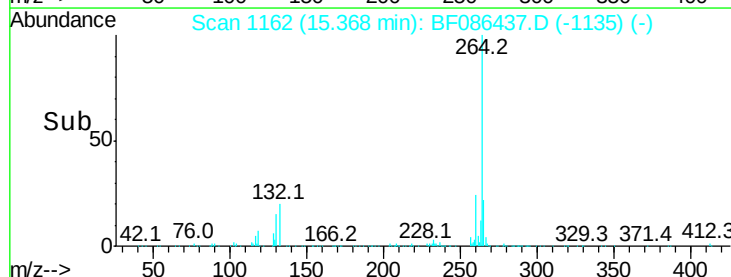
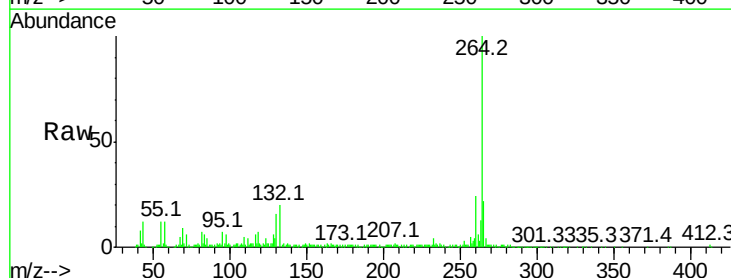
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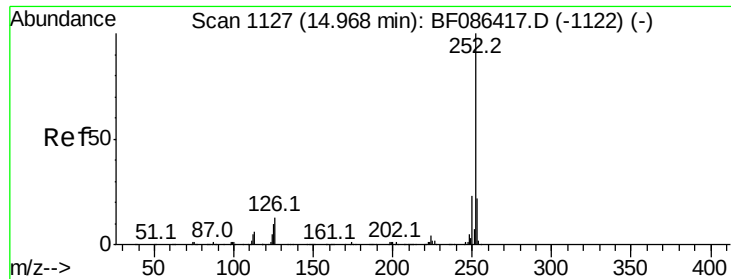
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: BF086437.D
 Acq: 27 Apr 2016 21:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.4	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 19.30 ng m

RT: 14.97 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BF086437.D

Acq: 27 Apr 2016 21:32

Instrument :

BNA_F

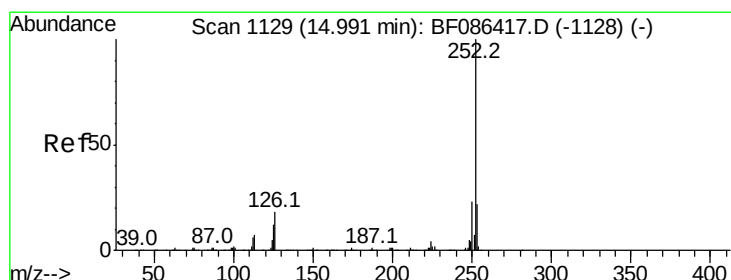
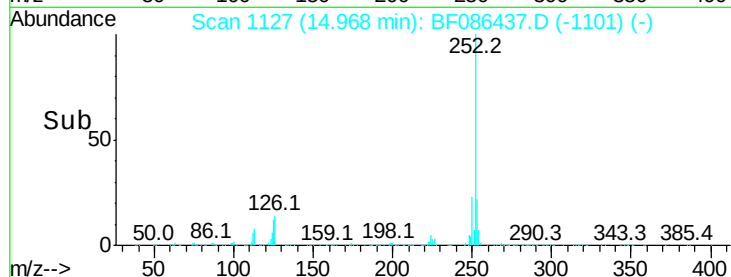
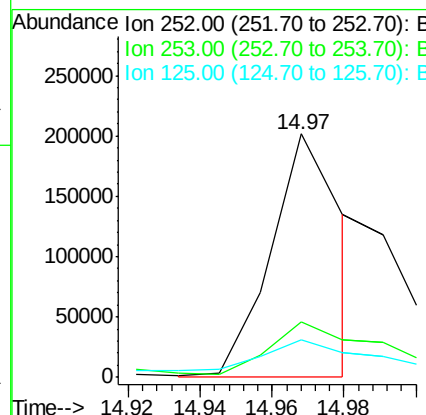
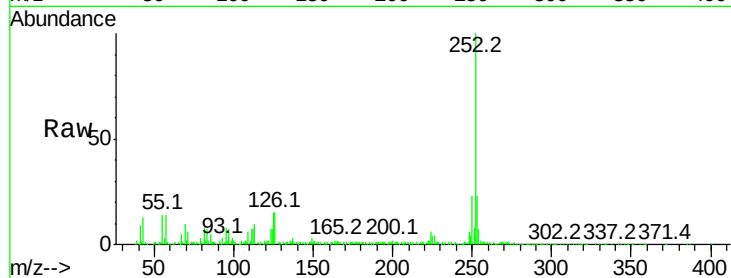
ClientSampled :

TPFE-WC-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	15.4	11.4	17.0

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#88

Benzo(k)fluoranthene

Concen: 8.82 ng m

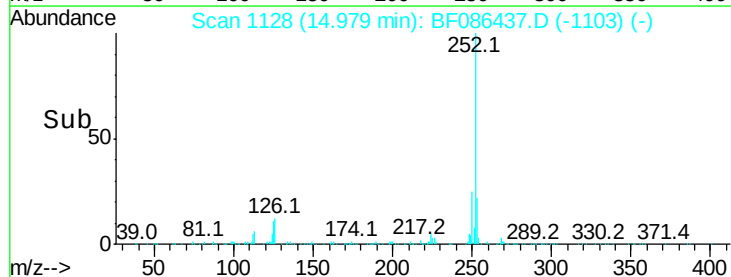
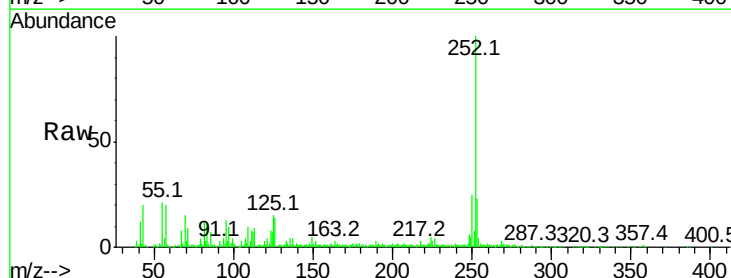
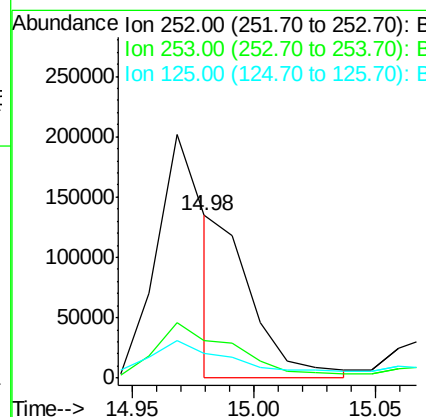
RT: 14.98 min Scan# 1128

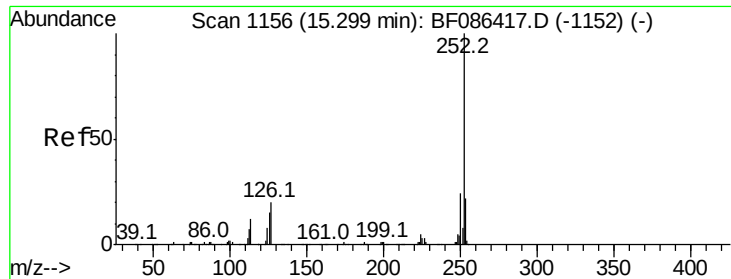
Delta R.T. -0.01 min

Lab File: BF086437.D

Acq: 27 Apr 2016 21:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	15.1	9.1	13.7#





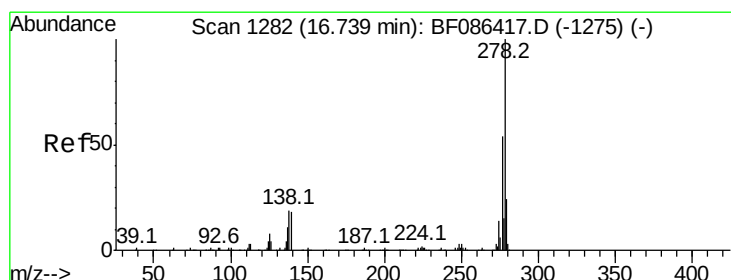
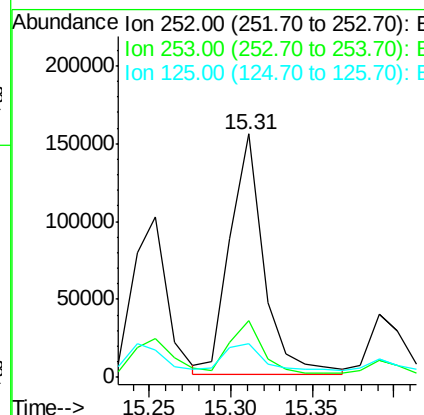
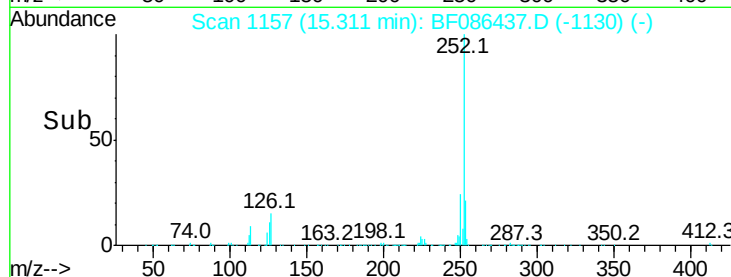
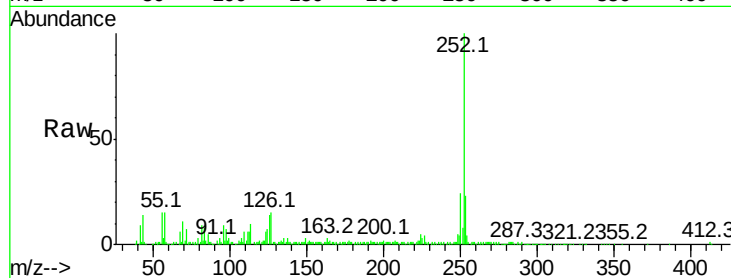
#89
Benzo(a)pyrene
Concen: 16.20 ng
RT: 15.31 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BF086437.D
Acq: 27 Apr 2016 21:32

Instrument :
BNA_F
ClientSampleId :
TPFE-WC-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	13.6	9.0	13.6

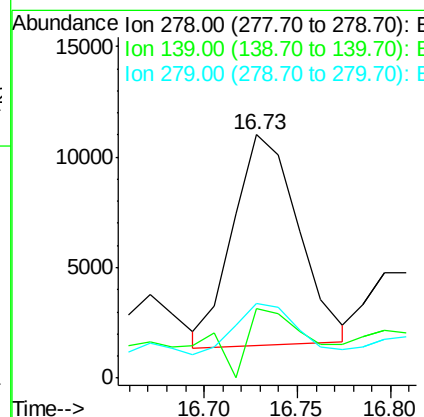
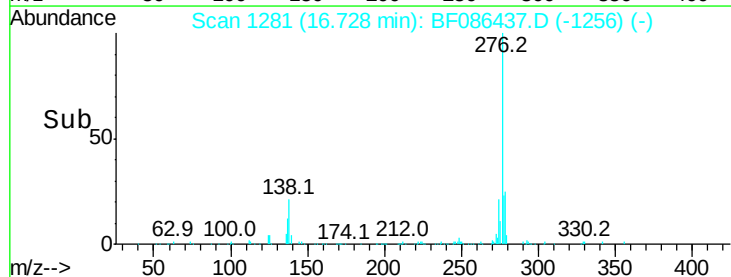
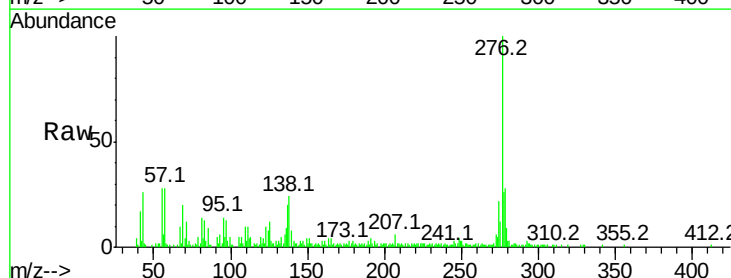
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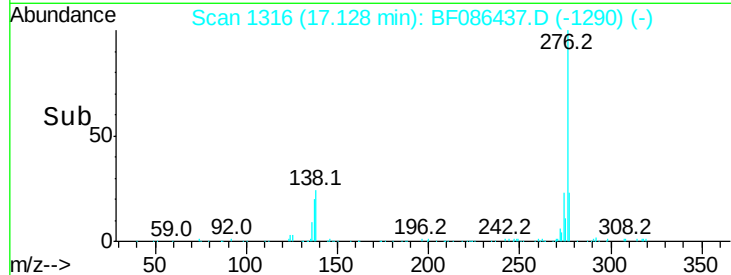
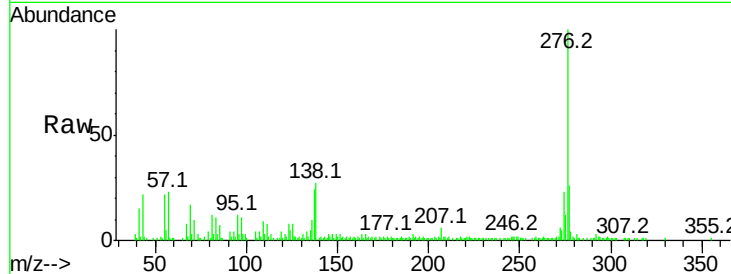
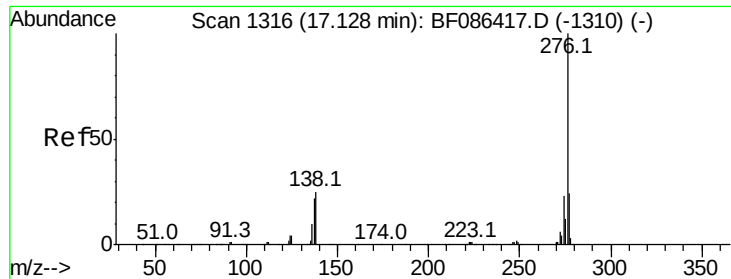
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#90
Dibenzo(a,h)anthracene
Concen: 2.05 ng
RT: 16.73 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF086437.D
Acq: 27 Apr 2016 21:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.6	16.6	24.8
279	30.5	19.6	29.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.95 ng
 RT: 17.13 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: BF086437.D
 Acq: 27 Apr 2016 21:32

Instrument :
 BNA_F
 ClientSampleId :
 TPFE-WC-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.6	29.4
138	26.7	23.6	35.4

Manual Integrations
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