

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
 Data File : BF085528.D
 Acq On : 18 Mar 2016 10:09
 Operator : UM/SJ
 Sample : H1776-16
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-03

Manual Integrations
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Quant Time: Mar 18 11:34:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	120527	20.00	ng	-0.05
21) Naphthalene-d8	8.15	136	426693	20.00	ng	-0.06
38) Acenaphthene-d10	9.91	164	188683	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	299910	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	179600	20.00	ng	-0.06
86) Perylene-d12	15.47	264	171311	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1374864	196.08	ng	-0.02
7) Phenol-d6	6.52	99	1826851	200.86	ng	-0.03
23) Nitrobenzene-d5	7.44	82	1195119	165.60	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	327135	188.24	ng	-0.06
44) 2-Fluorobiphenyl	9.24	172	1509366	138.78	ng	-0.05
78) Terphenyl-d14	12.99	244	1129127	142.22	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.62	163	350868	25.49	ng	99
70) Phenanthrene	11.42	178	56033	3.59	ng	97
74) Fluoranthene	12.61	202	100700	6.86	ng	94
77) Pyrene	12.84	202	94694	7.03	ng	96
79) Butylbenzylphthalate	13.45	149	23145	3.93	ng	# 80
80) Benzo(a)anthracene	14.01	228	46205	4.49	ng	96
82) Chrysene	14.06	228	38553m	4.16	ng	
83) Bis(2-ethylhexyl)phthalate	14.01	149	236007	32.85	ng	99
85) Indeno(1,2,3-cd)pyrene	16.87	276	24538	2.79	ng	# 92
87) Benzo(b)fluoranthene	15.05	252	53435m	4.78	ng	
88) Benzo(k)fluoranthene	15.08	252	18929m	2.16	ng	
89) Benzo(a)pyrene	15.41	252	36932	3.82	ng	# 94
91) Benzo(g,h,i)perylene	17.29	276	23414	2.43	ng	94

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

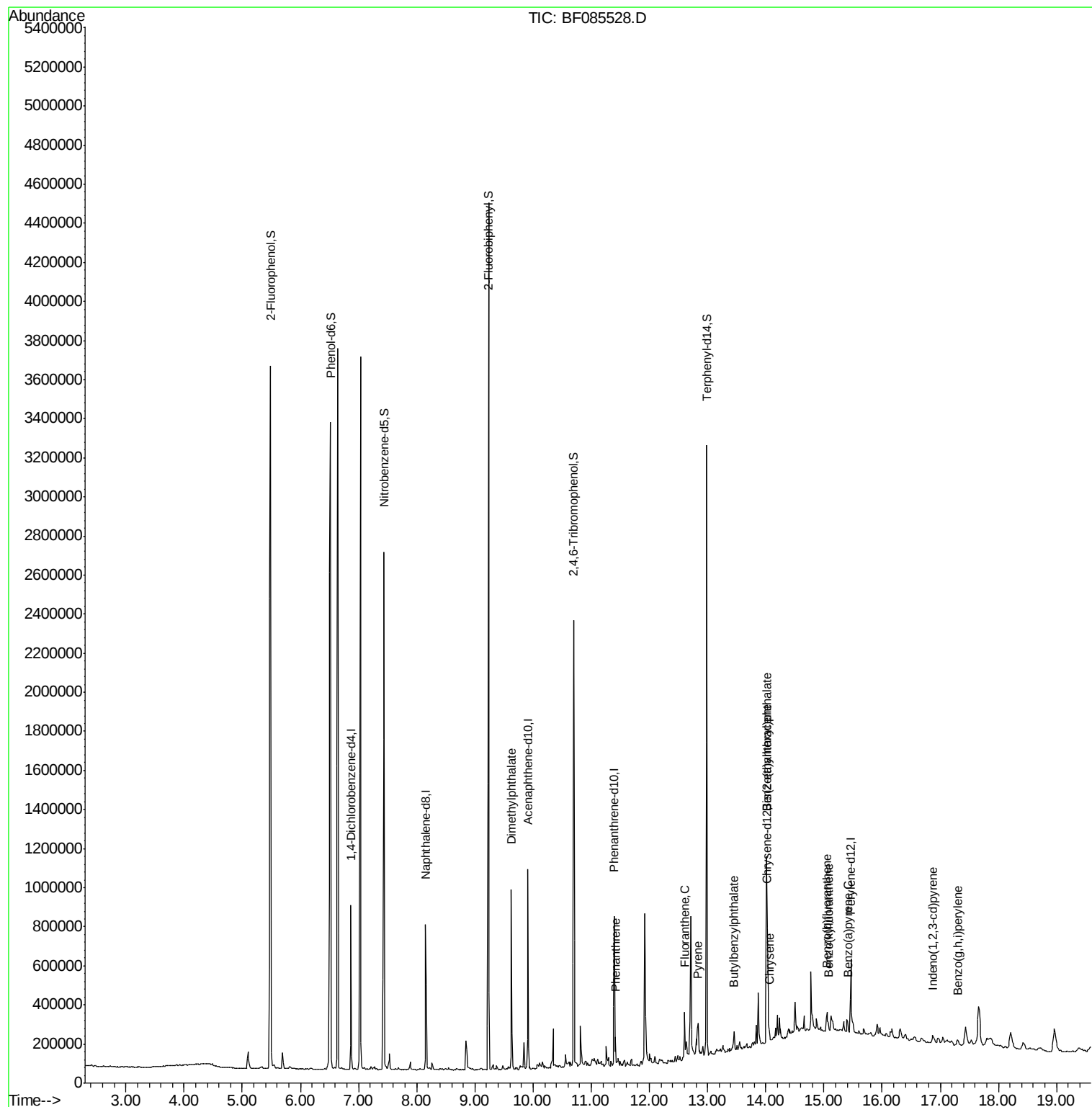
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
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ALS Vial : 48 Sample Multiplier: 1

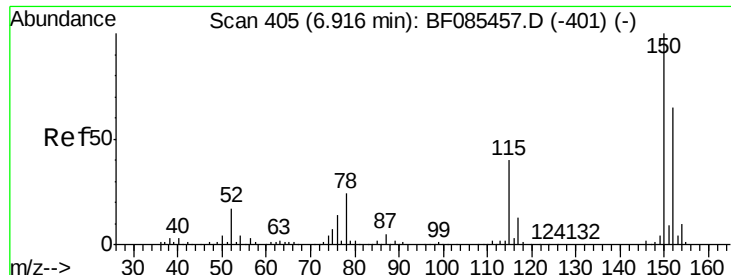
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
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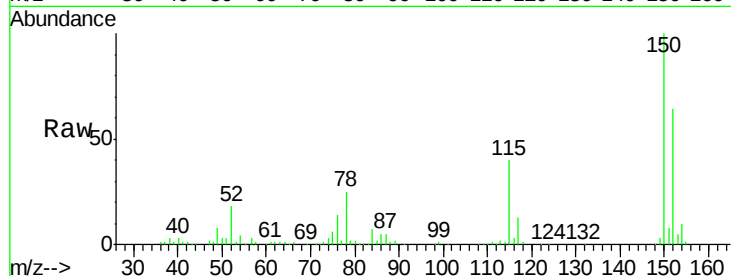




#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.87 min Scan# 401
 Delta R.T. -0.05 min
 Lab File: BF085528.D
 Acq: 18 Mar 2016 10:09

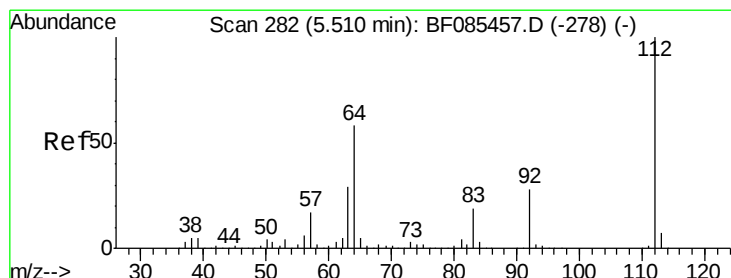
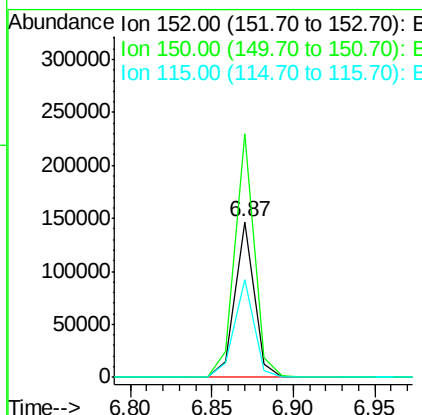
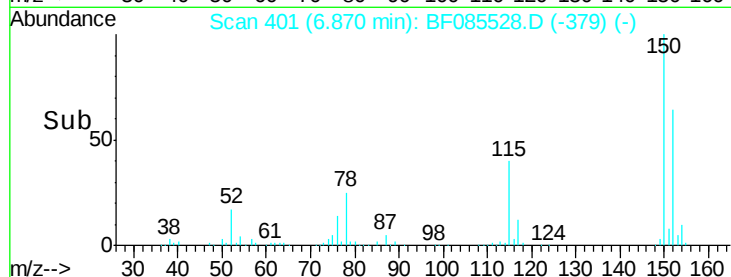
Instrument :
 BNA_F
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	62.8	46.6	70.0

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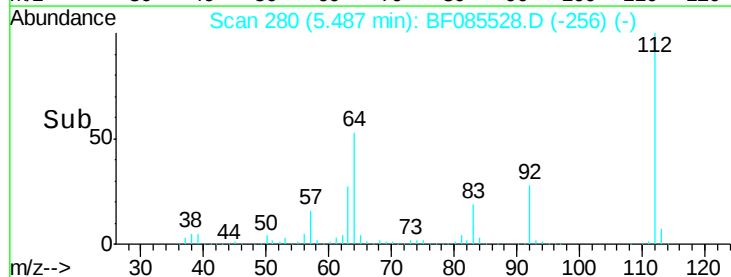
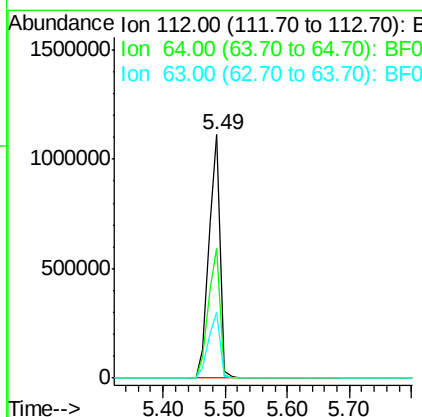
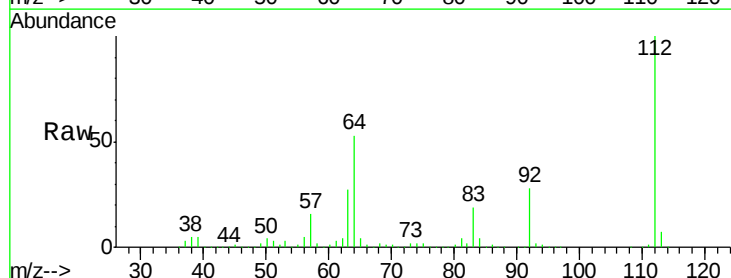
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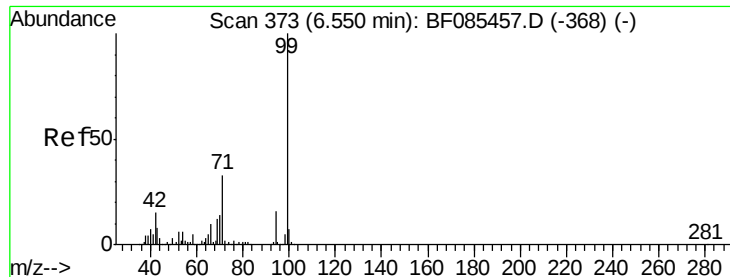


#5

2-Fluorophenol
 Concen: 196.08 ng
 RT: 5.49 min Scan# 280
 Delta R.T. -0.02 min
 Lab File: BF085528.D
 Acq: 18 Mar 2016 10:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	49.0	73.4
63	27.2	24.8	37.2





#7

Phenol-d6

Concen: 200.86 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-03

Tgt Ion: 99 Resp: 1826851

Ion Ratio Lower Upper

99 100

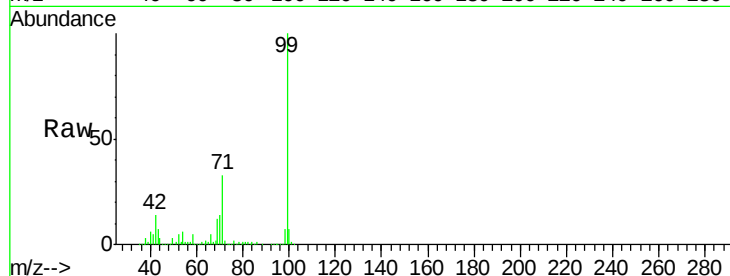
42 14.3 13.6 20.4

71 33.3 26.7 40.1

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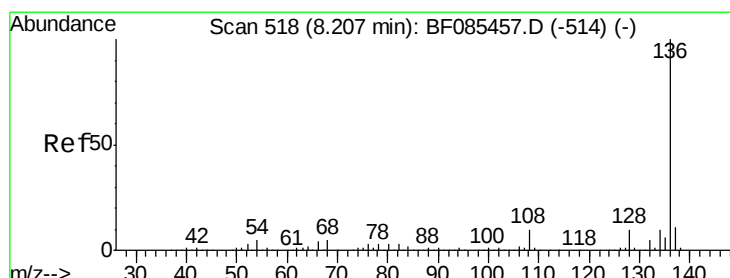
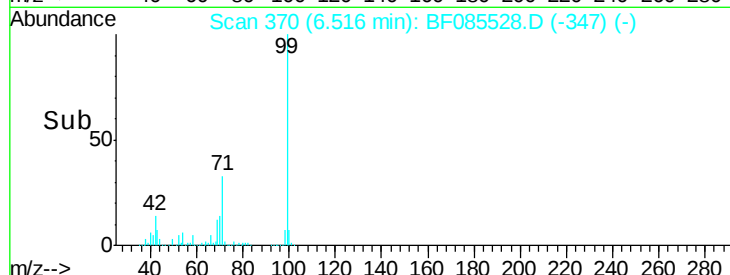
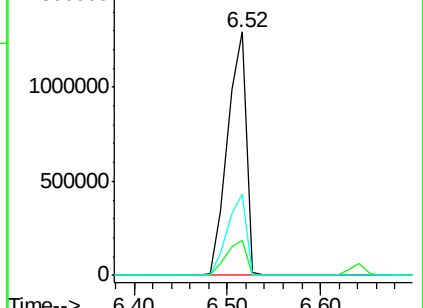
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 513

Delta R.T. -0.06 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Tgt Ion: 136 Resp: 426693

Ion Ratio Lower Upper

136 100

137 11.4 9.3 13.9

54 9.3 7.4 11.2

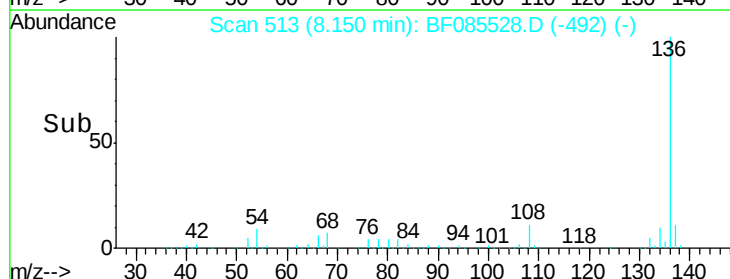
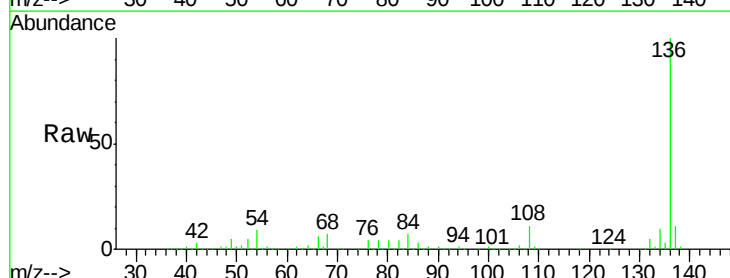
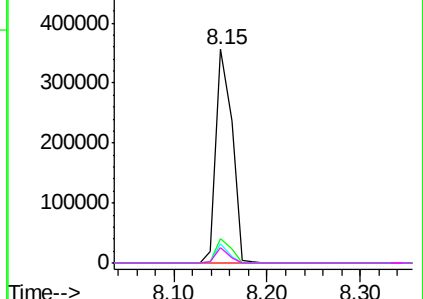
68 7.2 6.0 9.0

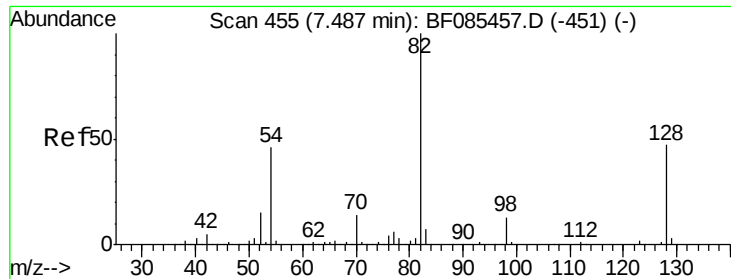
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





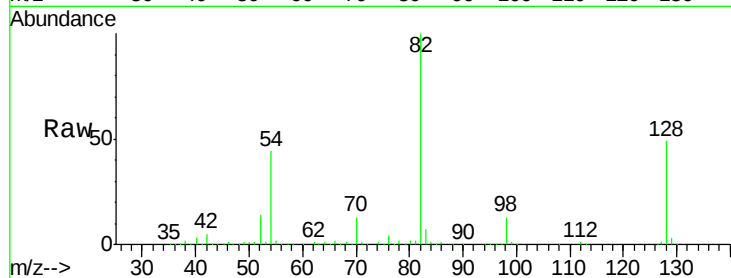
#23
Nitrobenzene-d5
Concen: 165.60 ng
RT: 7.44 min Scan# 451
Delta R.T. -0.05 min
Lab File: BF085528.D
Acq: 18 Mar 2016 10:09

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03

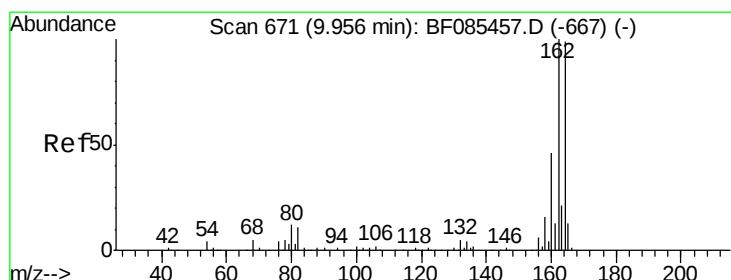
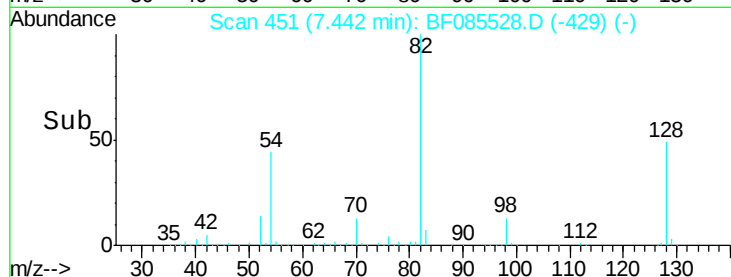
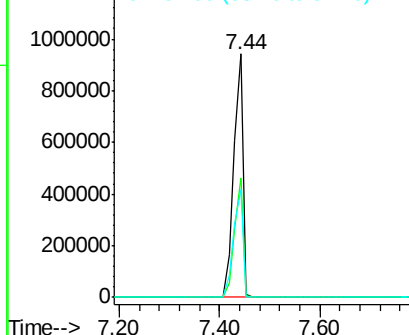
Tgt Ion: 82 Resp: 1195119
Ion Ratio Lower Upper
82 100
128 49.0 34.5 51.7
54 44.3 39.3 58.9

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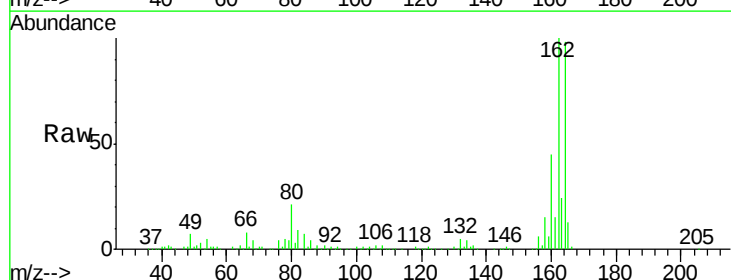


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

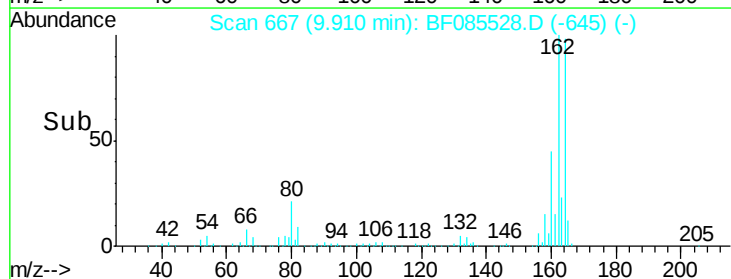
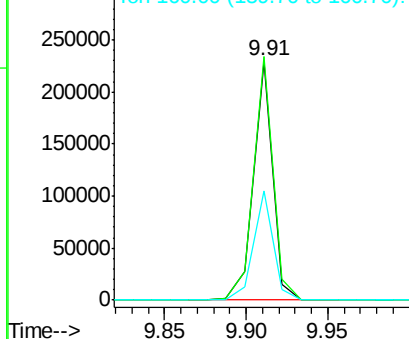


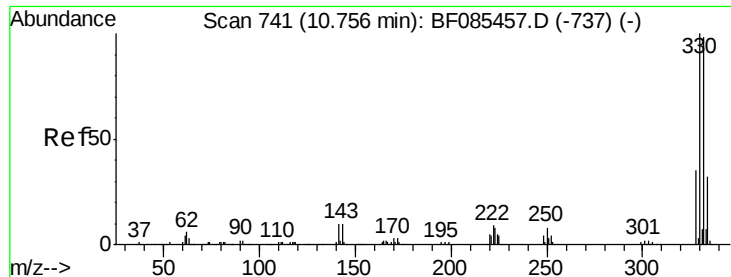
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF085528.D
Acq: 18 Mar 2016 10:09

Tgt Ion:164 Resp: 188683
Ion Ratio Lower Upper
164 100
162 101.8 83.3 124.9
160 45.9 37.9 56.9



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 188.24 ng

RT: 10.70 min Scan# 736

Delta R.T. -0.06 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Instrument :

BNA_F

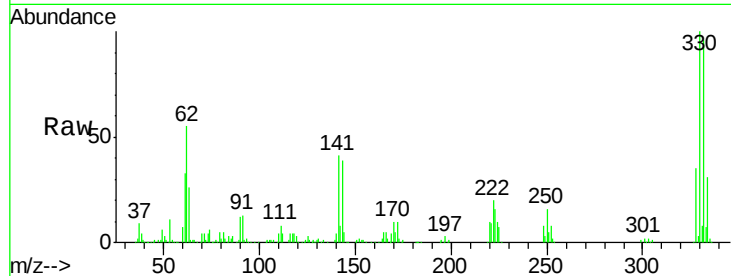
ClientSampleId :

W170TH-SB-03

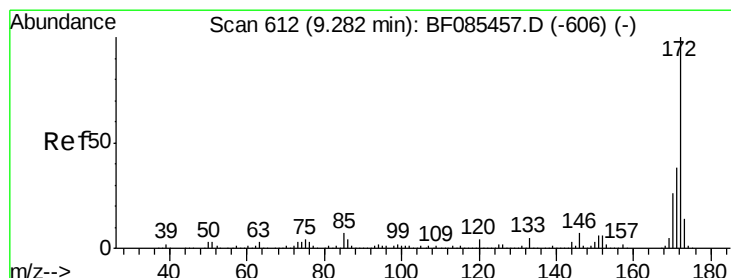
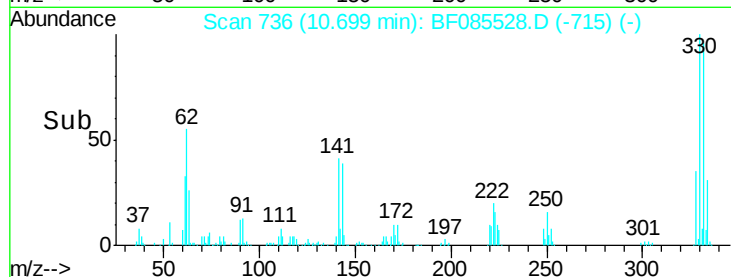
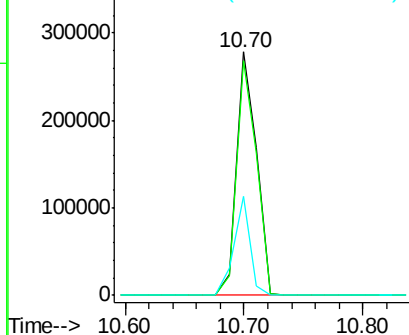
Tgt Ion:	330	Resp:	327135
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.1	115.7
141	33.5	35.0	52.6#

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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: 138.78 ng

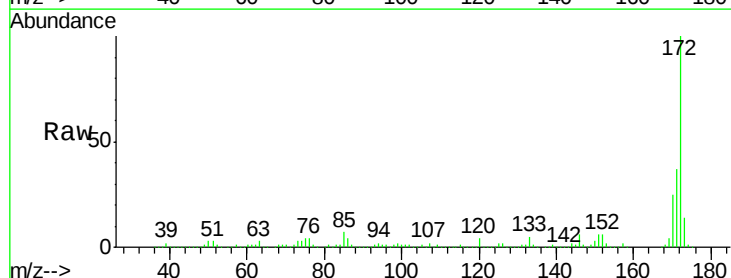
RT: 9.24 min Scan# 608

Delta R.T. -0.05 min

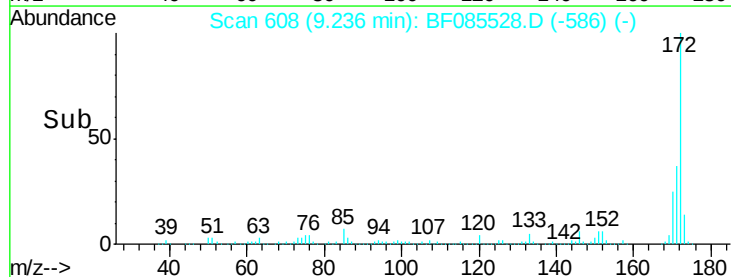
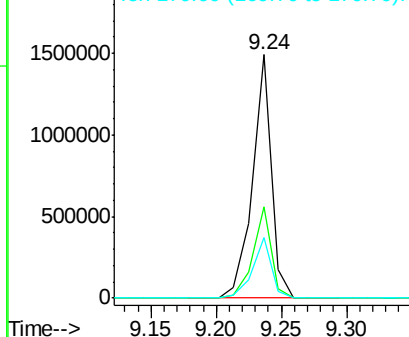
Lab File: BF085528.D

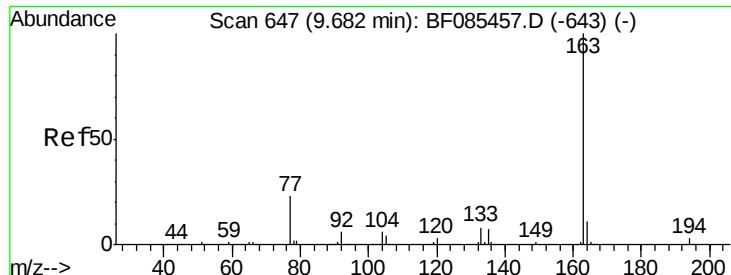
Acq: 18 Mar 2016 10:09

Tgt Ion:	172	Resp:	1509366
Ion Ratio	Lower	Upper	
172	100		
171	37.3	29.3	43.9
170	24.8	20.0	30.0



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





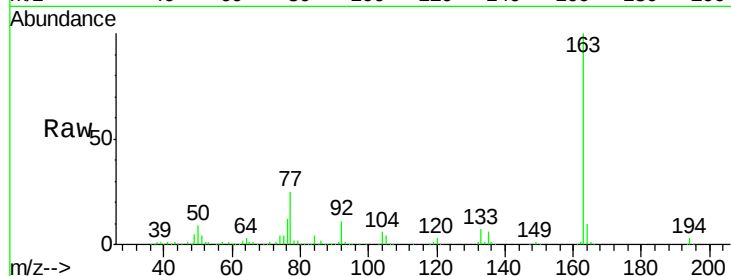
#49
Dimethylphthalate
Concen: 25.49 ng
RT: 9.62 min Scan# 642
Delta R.T. -0.06 min
Lab File: BF085528.D
Acq: 18 Mar 2016 10:09

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03

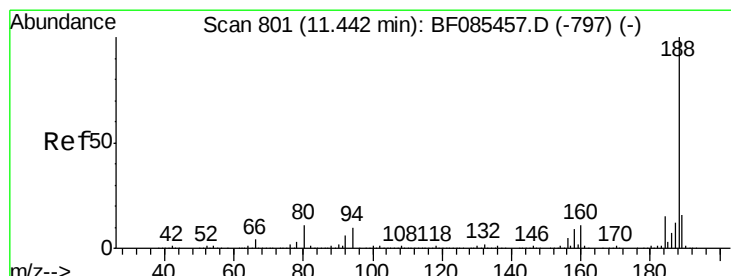
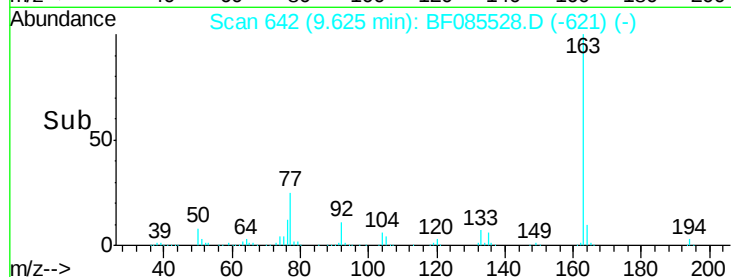
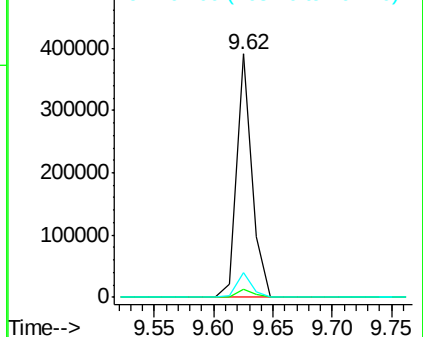
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.2	3.1	4.7
164	10.2	8.2	12.4

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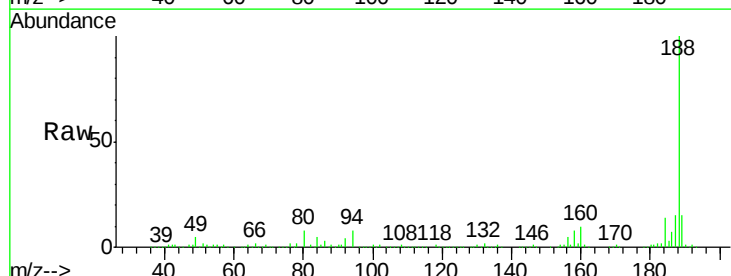


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

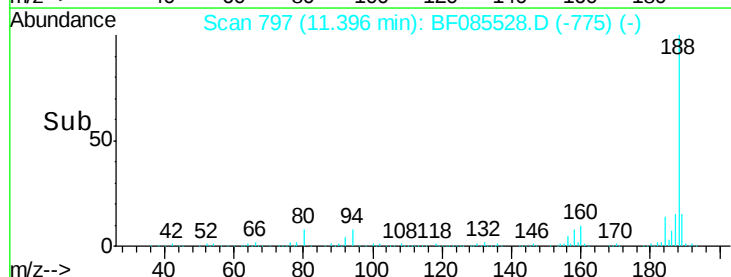
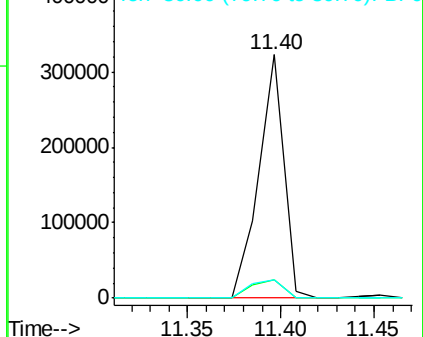


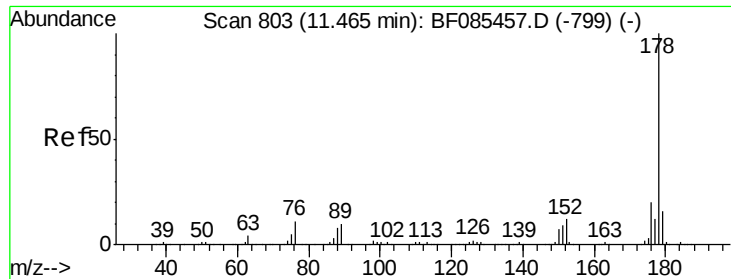
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.05 min
Lab File: BF085528.D
Acq: 18 Mar 2016 10:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.6	7.0	10.6
80	7.6	7.4	11.0



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





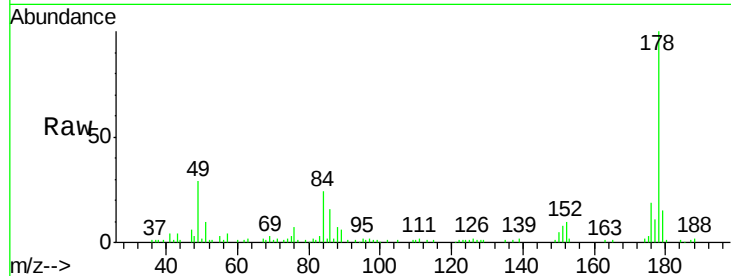
#70
Phenanthrene
Concen: 3.59 ng
RT: 11.42 min Scan# 799
Delta R.T. -0.05 min
Lab File: BF085528.D
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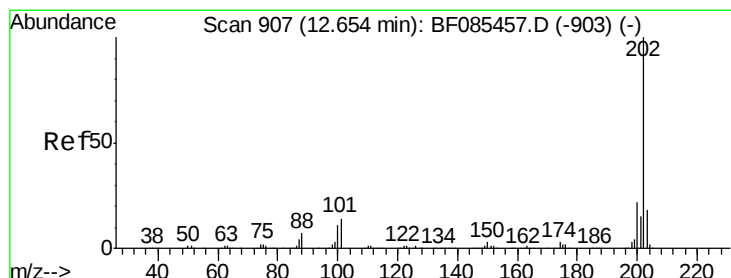
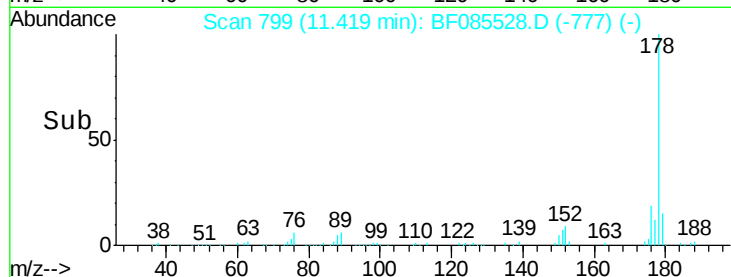
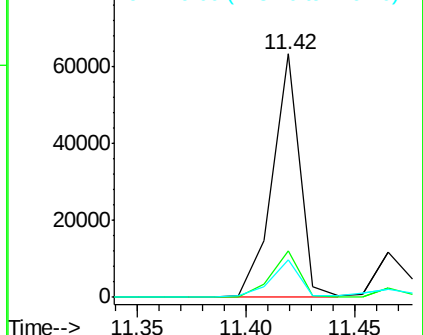
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.8	25.2
179	15.5	13.1	19.7

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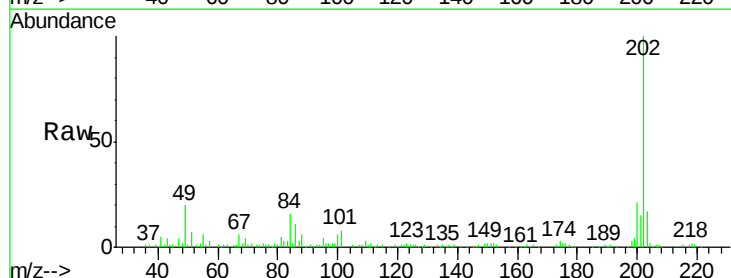


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

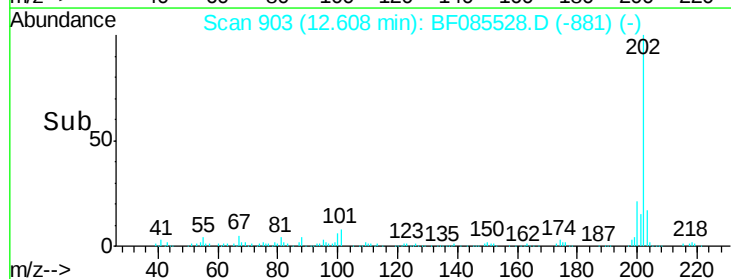
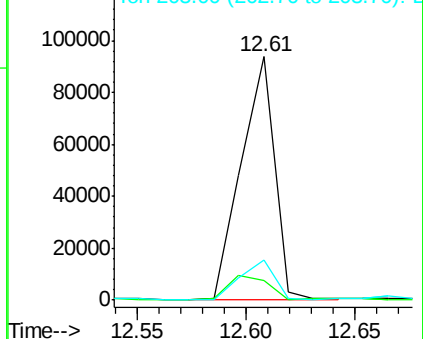


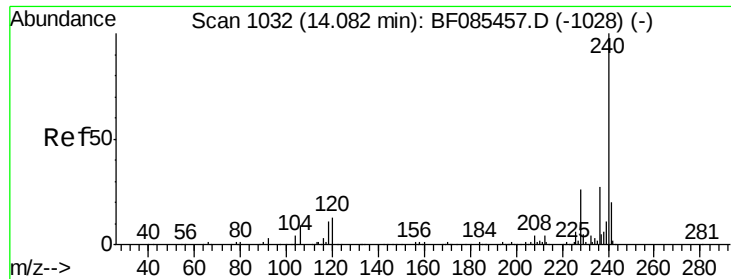
#74
Fluoranthene
Concen: 6.86 ng
RT: 12.61 min Scan# 903
Delta R.T. -0.05 min
Lab File: BF085528.D
Acq: 18 Mar 2016 10:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	31.8
203	16.7	0.0	38.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1027

Delta R.T. -0.06 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Instrument :

BNA_F

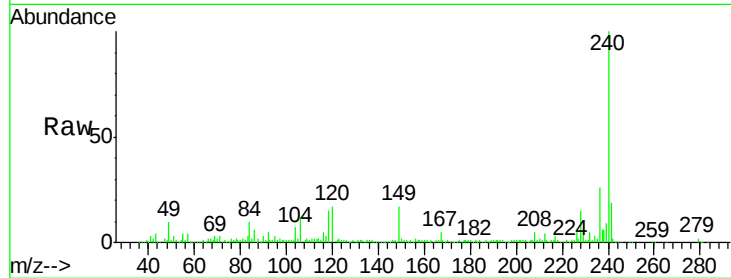
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.6	5.3	7.9#
236	25.6	20.7	31.1

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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

14.03

150000

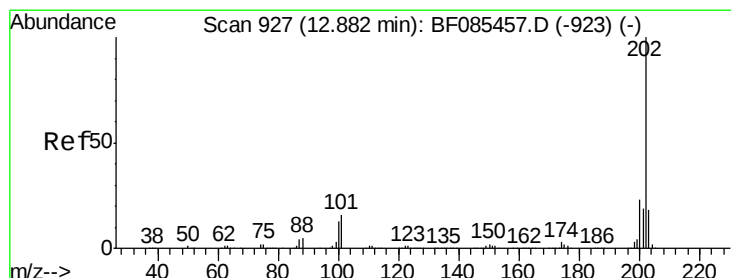
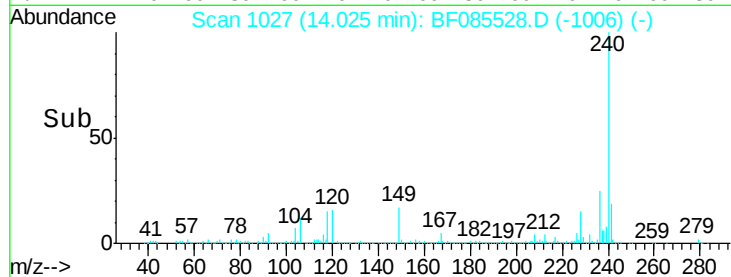
100000

50000

0

14.00 14.10

Time-->



#77

Pyrene

Concen: 7.03 ng

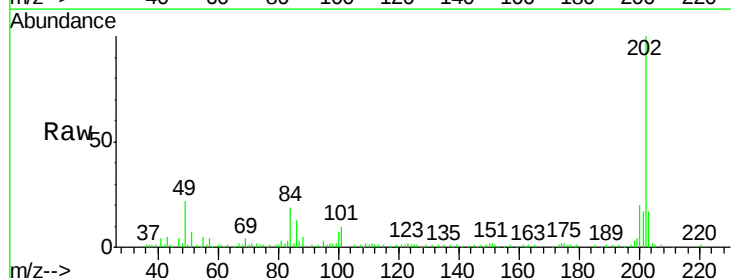
RT: 12.84 min Scan# 923

Delta R.T. -0.05 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	18.2	27.4
203	17.1	14.7	22.1



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

12.84

100000

80000

60000

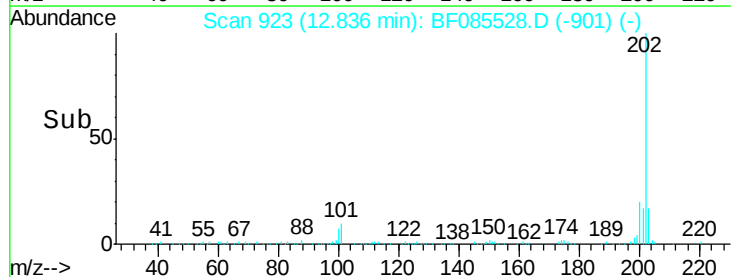
40000

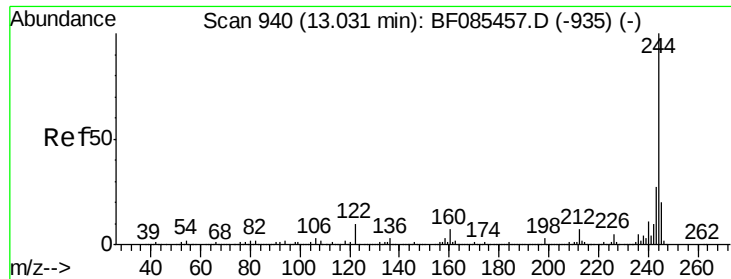
20000

0

12.80 12.90

Time-->





#78

Terphenyl-d14

Concen: 142.22 ng

RT: 12.99 min Scan# 936

Delta R.T. -0.05 min

Lab File: BF085528.D

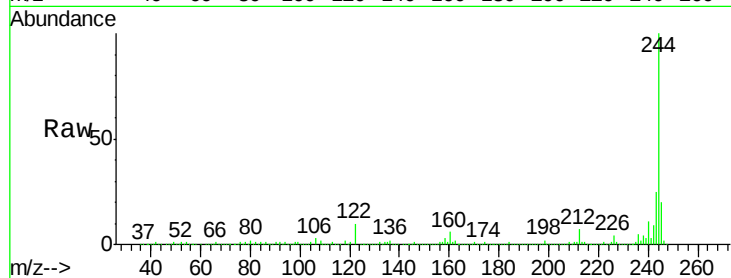
Acq: 18 Mar 2016 10:09

Instrument :

BNA_F

ClientSampleId :

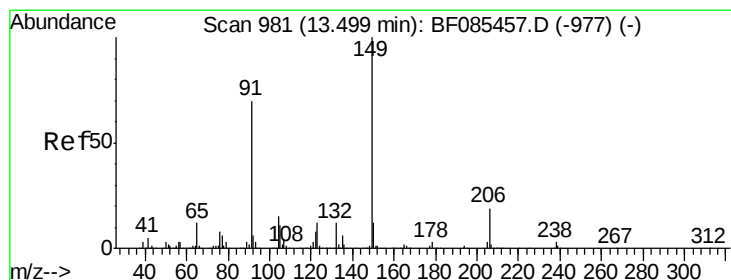
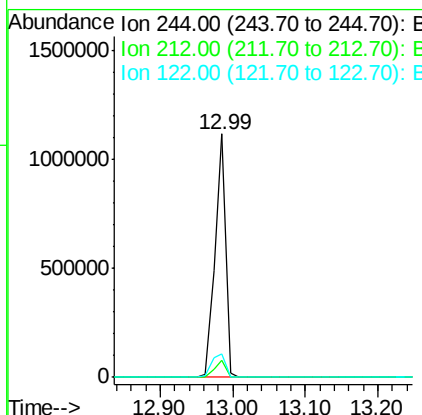
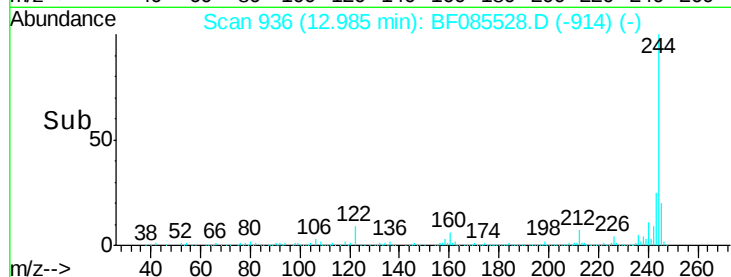
W170TH-SB-03



Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.4	9.6
122	9.5	11.4	17.2#

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#79

Butylbenzylphthalate

Concen: 3.93 ng

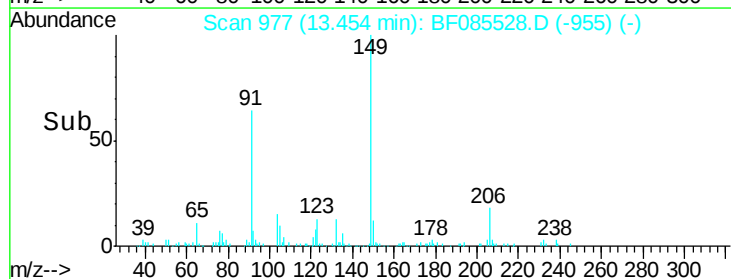
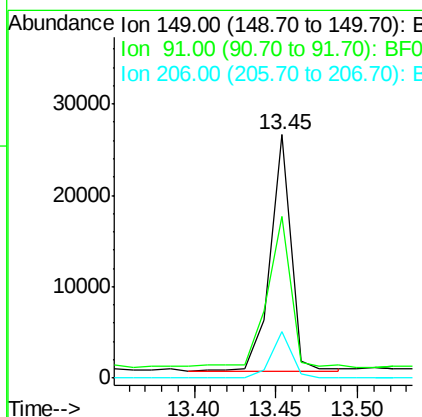
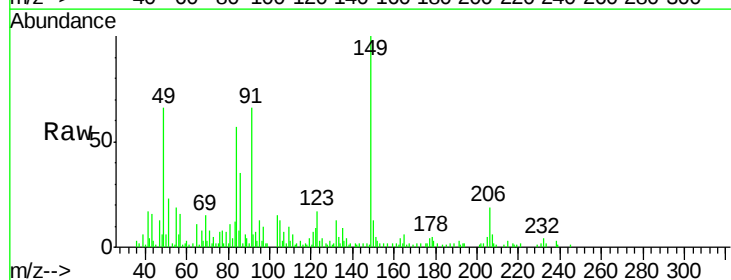
RT: 13.45 min Scan# 977

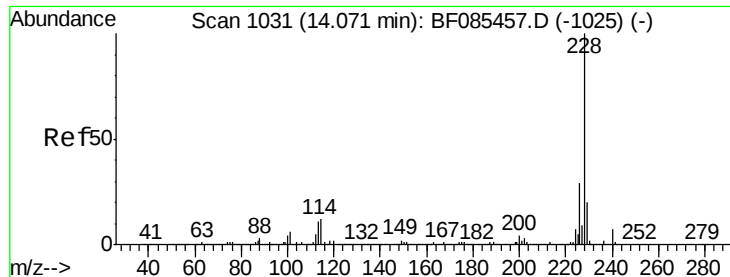
Delta R.T. -0.05 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Tgt Ion	Ratio	Lower	Upper
149	100		
91	66.4	69.0	103.4#
206	18.8	12.3	18.5#





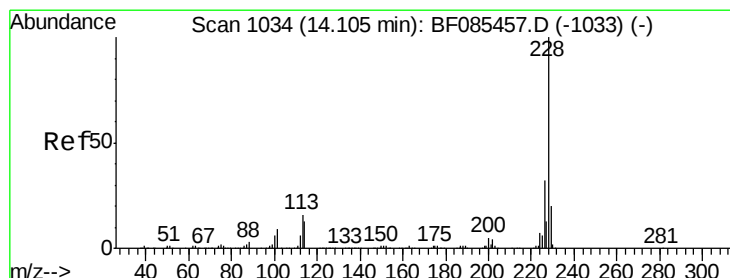
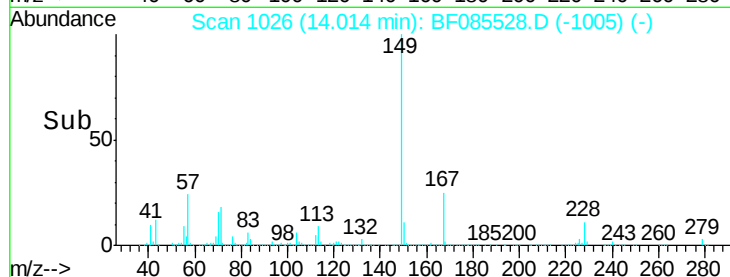
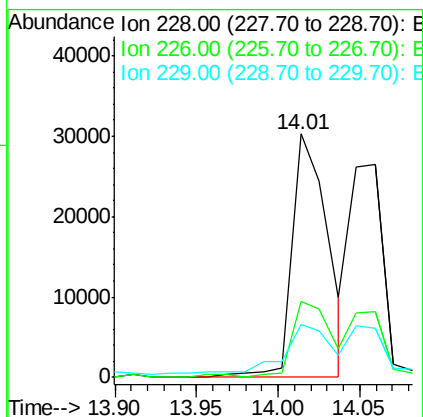
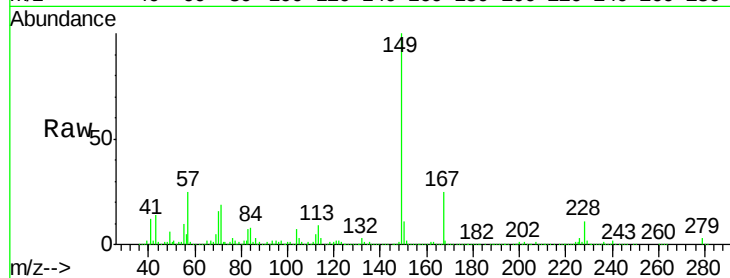
#80
Benzo(a)anthracene
Concen: 4.49 ng
RT: 14.01 min Scan# 1026
Delta R.T. -0.06 min
Lab File: BF085528.D
Acq: 18 Mar 2016 10:09

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.8	34.2
229	21.5	16.6	24.8

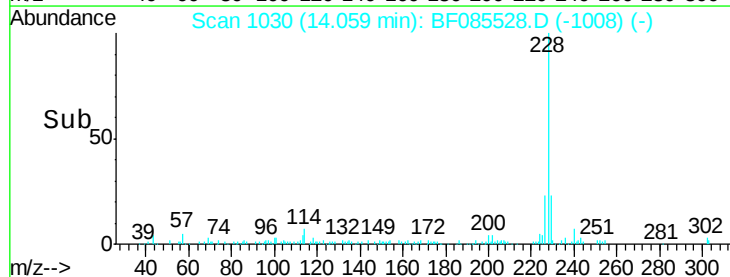
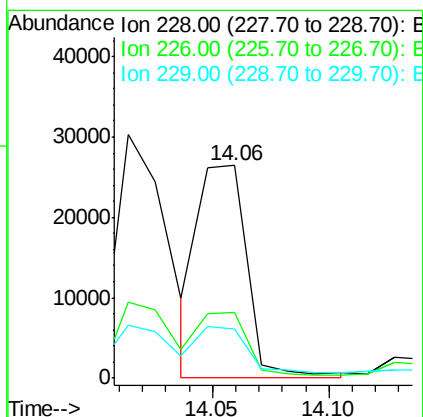
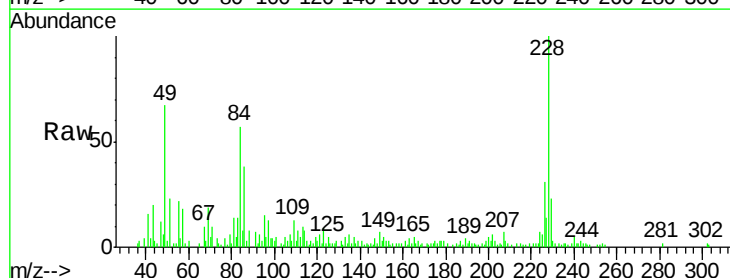
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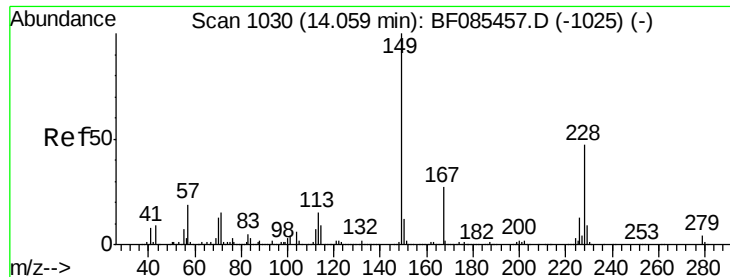
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#82
Chrysene
Concen: 4.16 ng m
RT: 14.06 min Scan# 1030
Delta R.T. -0.05 min
Lab File: BF085528.D
Acq: 18 Mar 2016 10:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.2	37.8
229	23.1	16.0	24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 32.85 ng

RT: 14.01 min Scan# 1026

Delta R.T. -0.05 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Instrument :

BNA_F

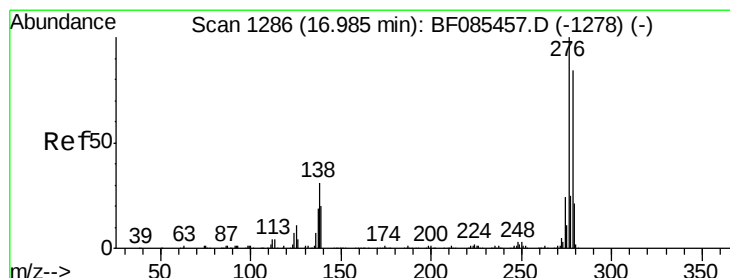
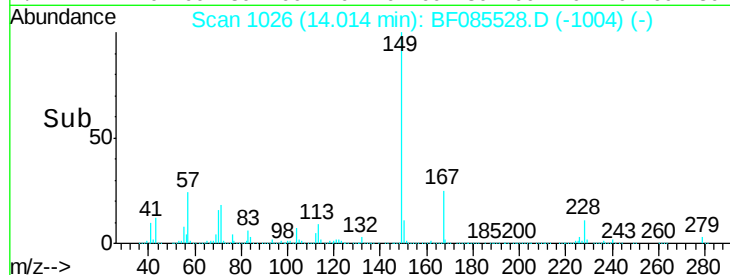
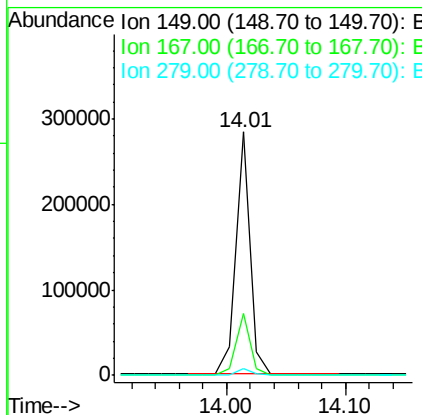
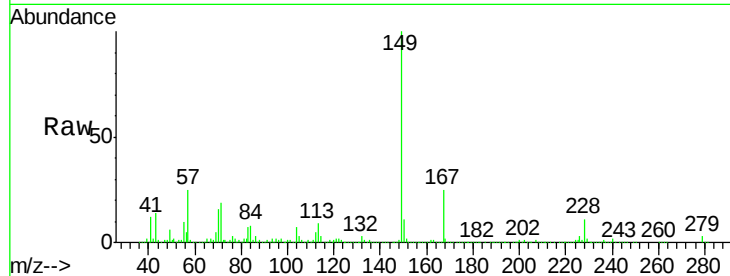
ClientSampleId :

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Tgt Ion:	149	Resp:	236007
Ion Ratio	Lower	Upper	
149	100		
167	25.1	20.3	30.5
279	2.6	1.9	2.9

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.79 ng

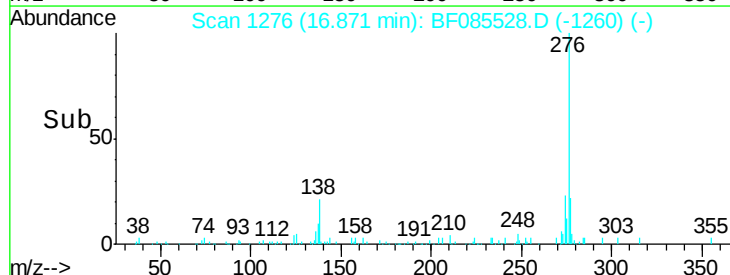
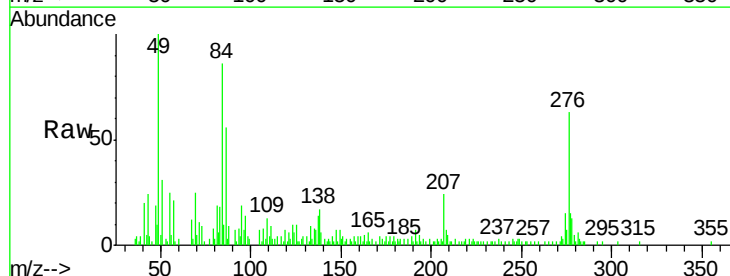
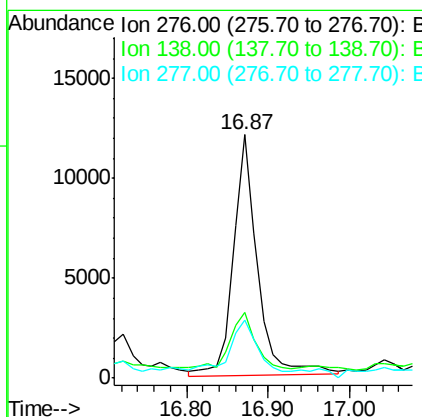
RT: 16.87 min Scan# 1276

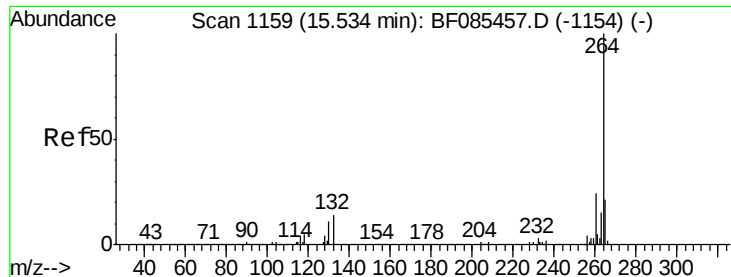
Delta R.T. -0.11 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Tgt Ion:	276	Resp:	24538
Ion Ratio	Lower	Upper	
276	100		
138	25.6	26.4	39.6#
277	25.4	20.2	30.2





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.47 min Scan# 1153

Delta R.T. -0.07 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Instrument :

BNA_F

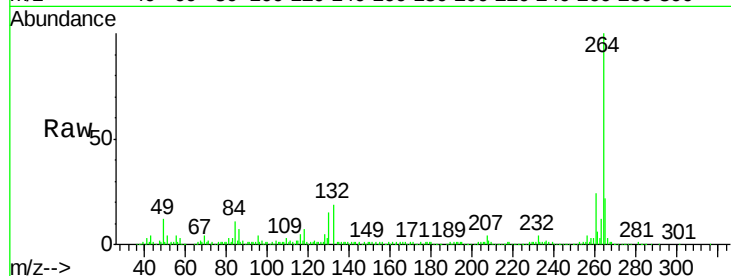
ClientSampleId :

W170TH-SB-03

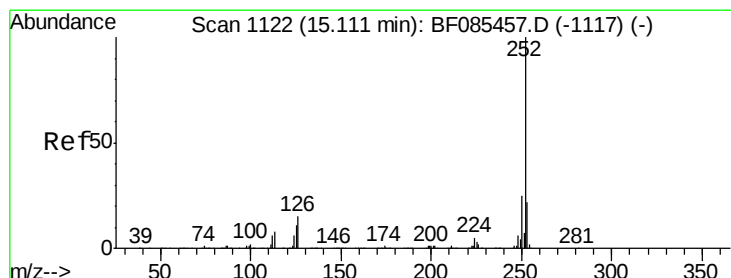
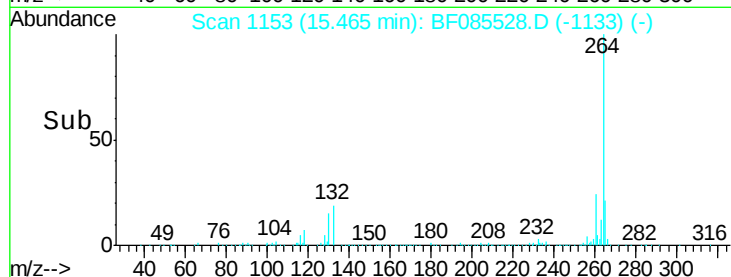
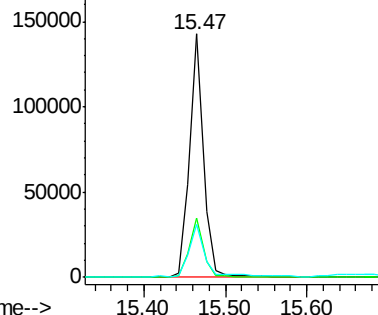
Tgt Ion:	264	Resp:	171311
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.2	28.8
265	21.6	17.3	25.9

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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: 4.78 ng m

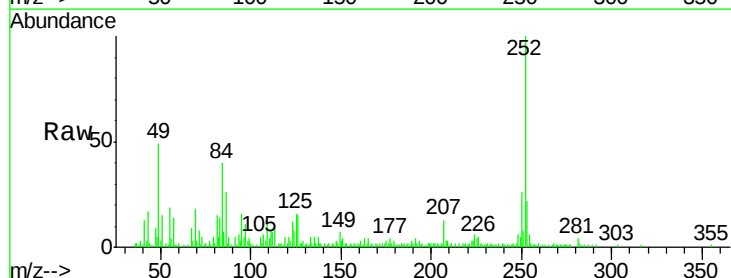
RT: 15.05 min Scan# 1117

Delta R.T. -0.06 min

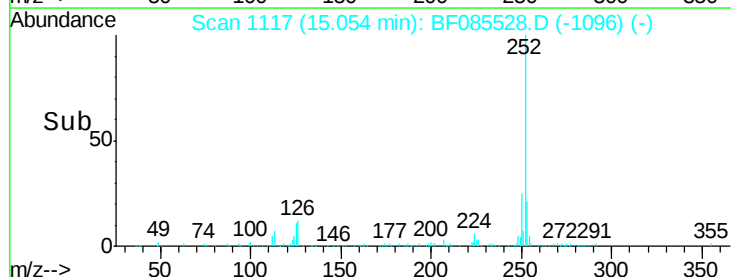
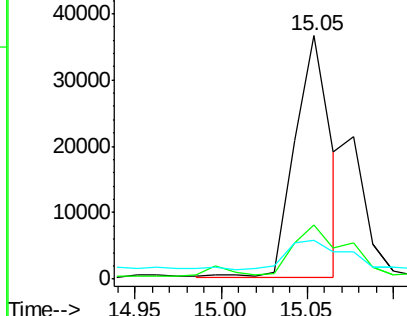
Lab File: BF085528.D

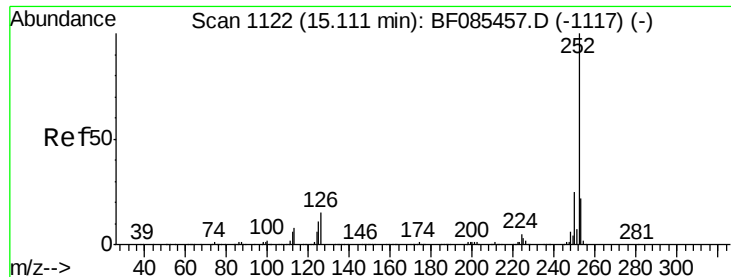
Acq: 18 Mar 2016 10:09

Tgt Ion:	252	Resp:	53435
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.8	26.6
125	16.1	11.3	16.9



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: 2.16 ng m

RT: 15.08 min Scan# 1119

Delta R.T. -0.07 min

Lab File: BF085528.D

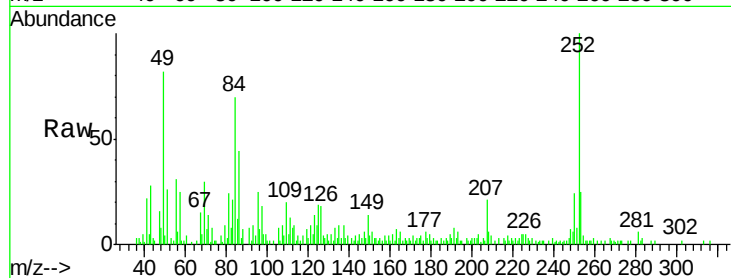
Acq: 18 Mar 2016 10:09

Instrument :

BNA_F

ClientSampleId :

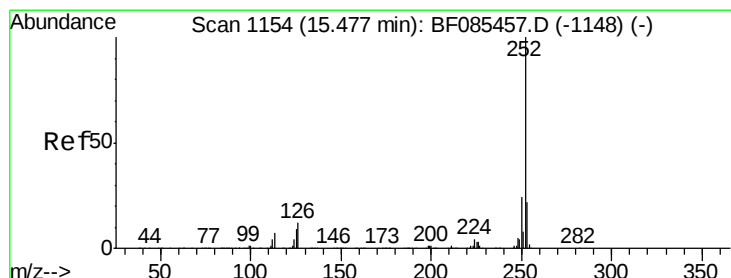
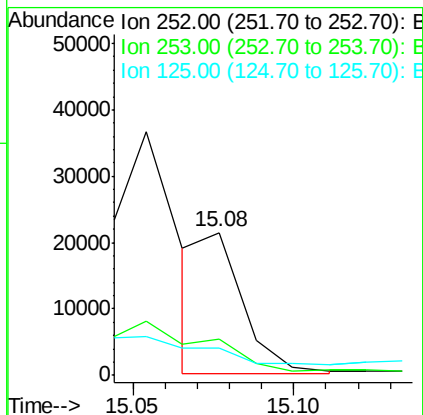
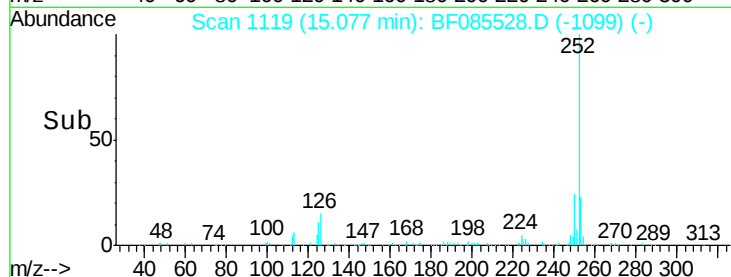
W170TH-SB-03



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.6
125	18.7	10.4	15.6

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#89

Benzo(a)pyrene

Concen: 3.82 ng

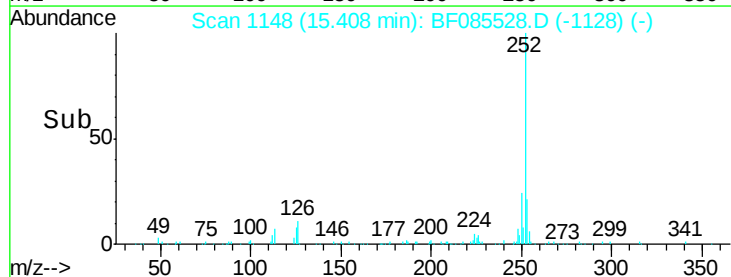
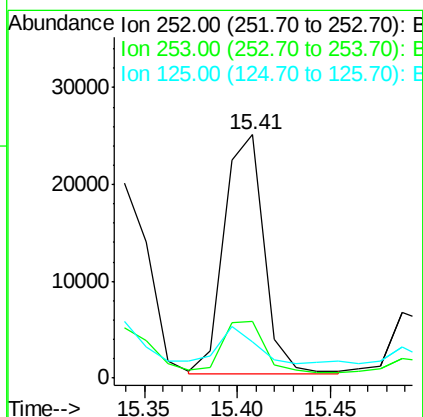
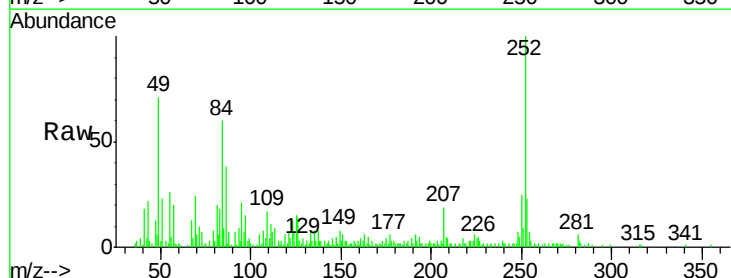
RT: 15.41 min Scan# 1148

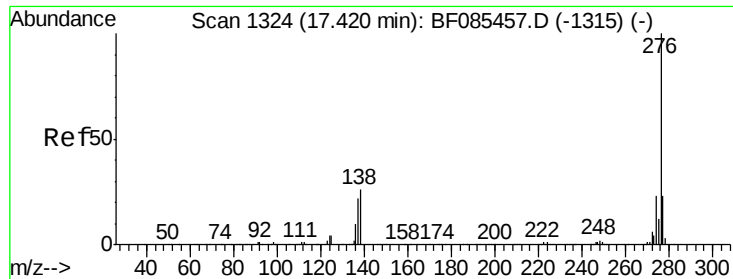
Delta R.T. -0.07 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	15.1	8.2	12.4





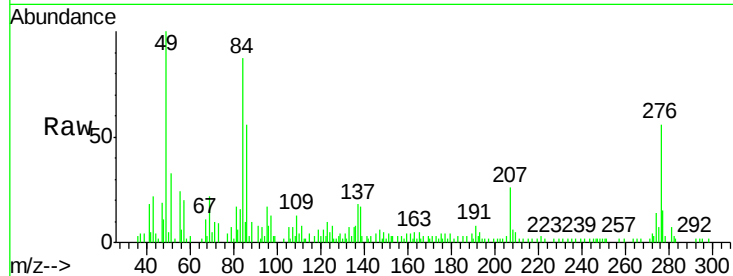
#91
 Benzo(g,h,i)perylene
 Concen: 2.43 ng
 RT: 17.29 min Scan# 1313
 Delta R.T. -0.13 min
 Lab File: BF085528.D
 Acq: 18 Mar 2016 10:09

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-03

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	27.7	19.0	28.4
138	30.8	22.5	33.7

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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

