

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086940.D
 Acq On : 12 May 2016 19:53
 Operator : UM/SJ
 Sample : H2957-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP31-5FT

Manual Integrations
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Quant Time: May 13 01:42:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 00:58:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	146250	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	597208	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	275725	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	419941	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	287907	20.00	ng	-0.01
86) Perylene-d12	15.12	264	312401	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	872423	101.02	ng	0.00
7) Phenol-d6	6.28	99	1121906	97.21	ng	-0.01
23) Nitrobenzene-d5	7.20	82	801702	67.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	224754	77.00	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	1071611	65.32	ng	0.00
78) Terphenyl-d14	12.72	244	642499	47.35	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.39	163	155632	7.40	ng	99
70) Phenanthrene	11.15	178	53402	2.38	ng	96
74) Fluoranthene	12.34	202	122099	5.30	ng	92
77) Pyrene	12.56	202	114523	5.20	ng	98
80) Benzo(a)anthracene	13.75	228	67936	4.20	ng	# 90
82) Chrysene	13.78	228	49391m	3.00	ng	
85) Indeno(1,2,3-cd)pyrene	16.37	276	40508	2.96	ng	94
87) Benzo(b)fluoranthene	14.75	252	84197m	4.15	ng	
89) Benzo(a)pyrene	15.06	252	62102	3.55	ng	# 90
91) Benzo(g,h,i)perylene	16.74	276	37129	2.48	ng	# 94

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

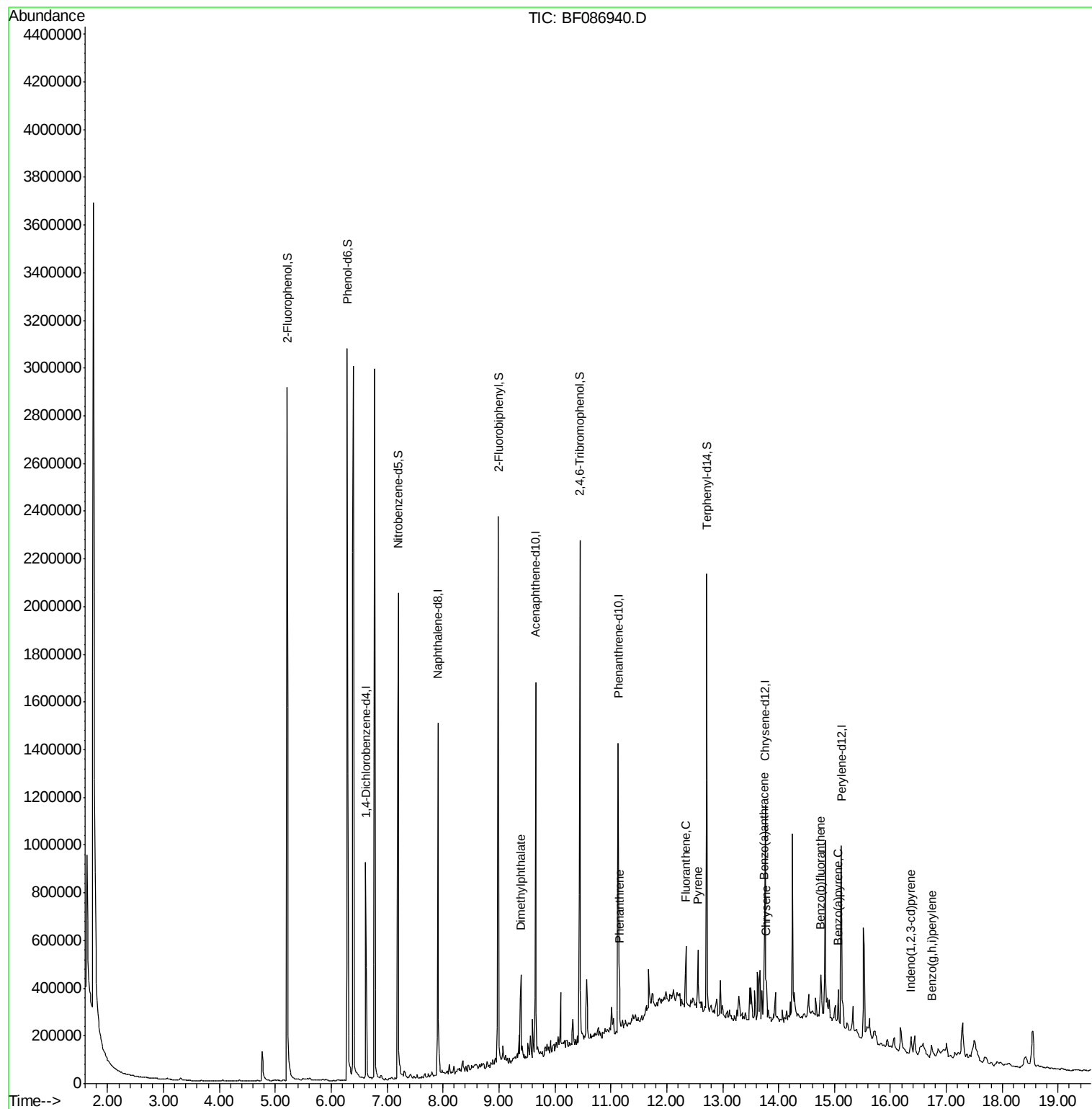
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086940.D
Acq On : 12 May 2016 19:53
Operator : UM/SJ
Sample : H2957-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

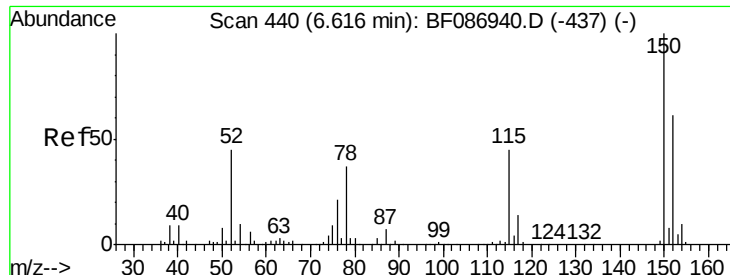
Instrument :
BNA_F
ClientSampleId :
TP31-5FT

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Quant Time: May 13 01:42:28 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 13 00:58:18 2016
Response via : Initial Calibration





#1

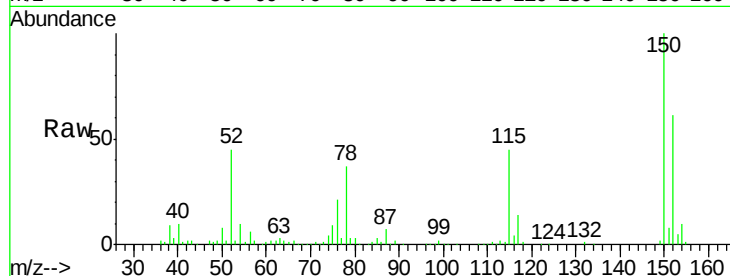
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.01 min
Lab File: BF086940.D
Acq: 12 May 2016 19:53

Instrument :
BNA_F
ClientSampled :
TP31-5FT

Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.3	125.8	188.6
115	74.2	51.5	77.3

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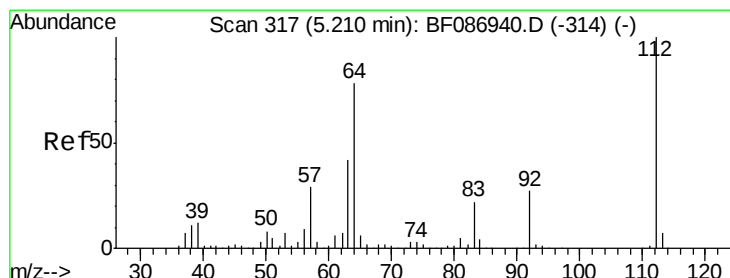
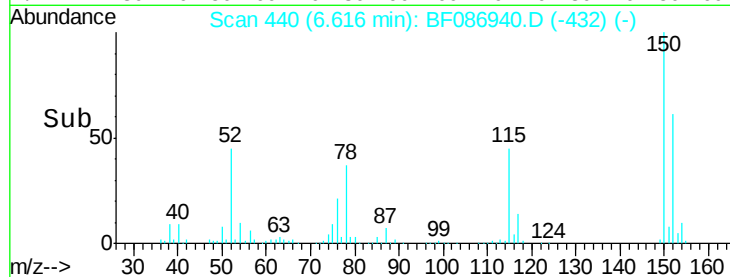
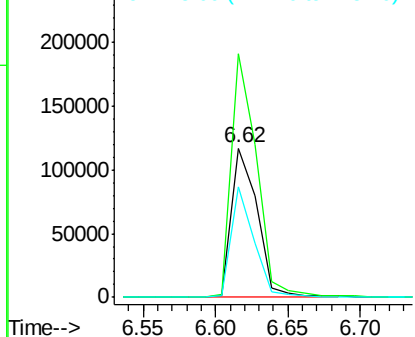


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

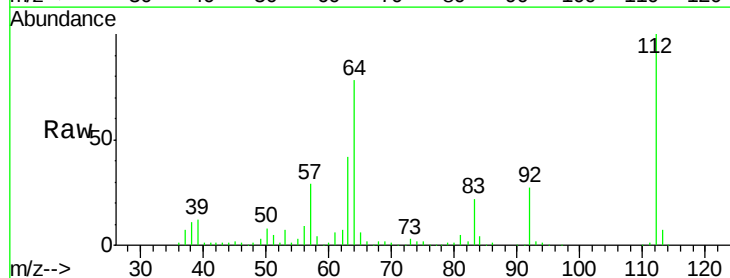
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 101.02 ng
RT: 5.21 min Scan# 317
Delta R.T. 0.00 min
Lab File: BF086940.D
Acq: 12 May 2016 19:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.6	52.1	78.1
63	42.4	25.7	38.5

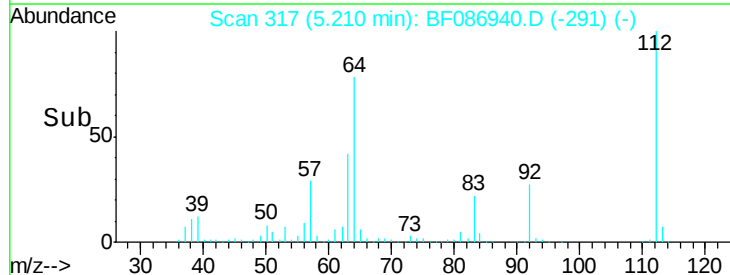
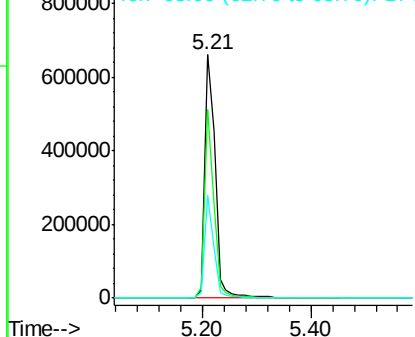


Abundance

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: 97.21 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

Instrument :

BNA_F

ClientSampleId :

TP31-5FT

Tgt Ion: 99 Resp: 1121906

Ion Ratio Lower Upper

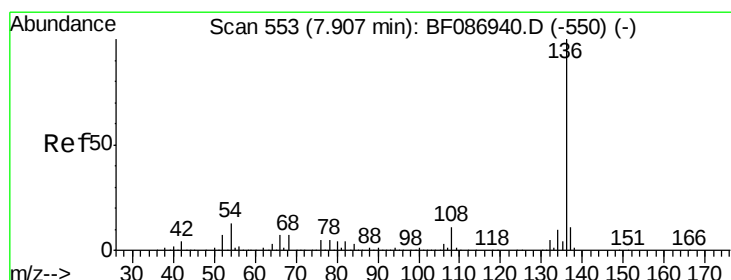
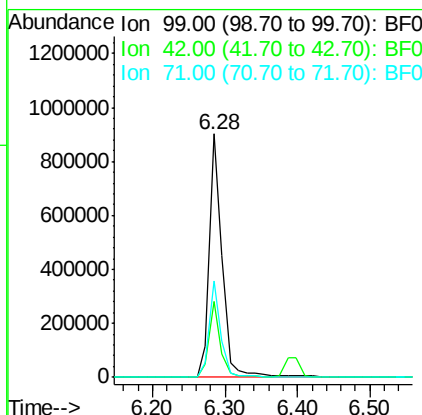
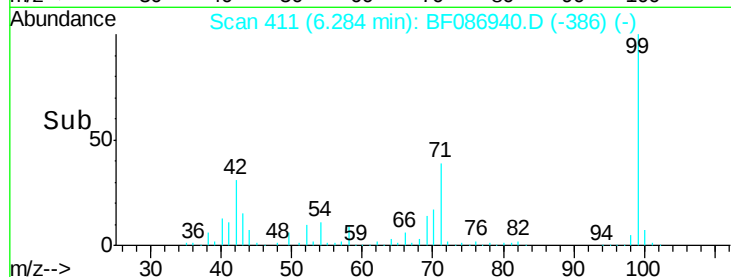
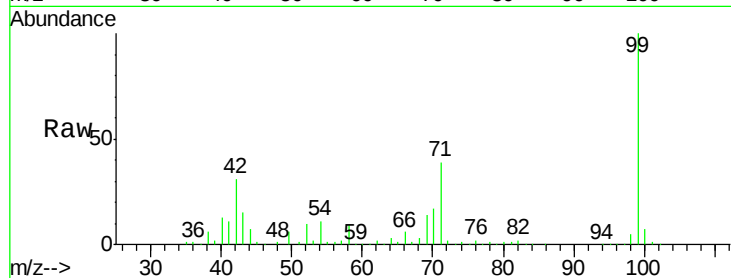
99 100

42 31.4 13.6 20.4#

71 39.4 24.6 36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

Tgt Ion: 136 Resp: 597208

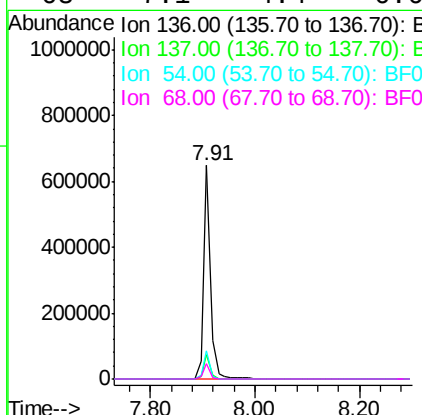
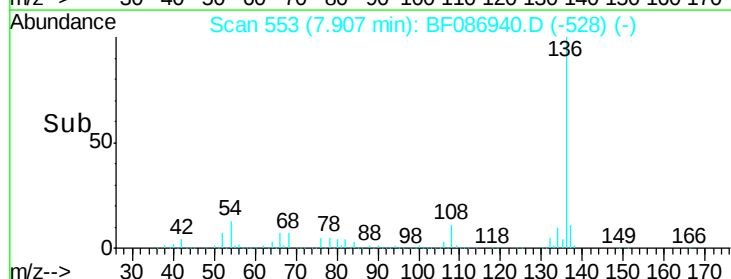
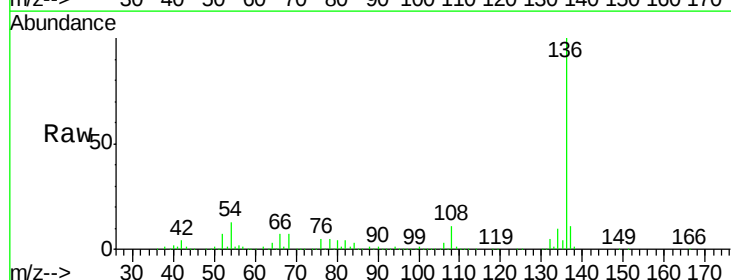
Ion Ratio Lower Upper

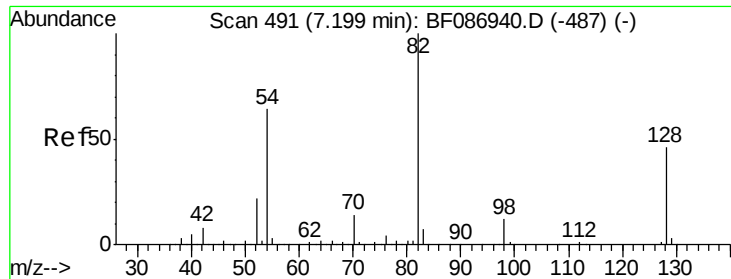
136 100

137 11.2 8.8 13.2

54 13.1 5.0 7.4#

68 7.1 4.4 6.6#





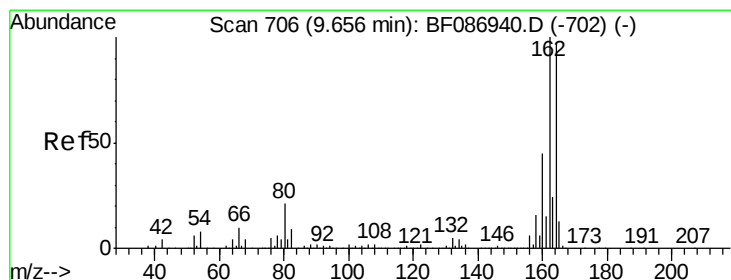
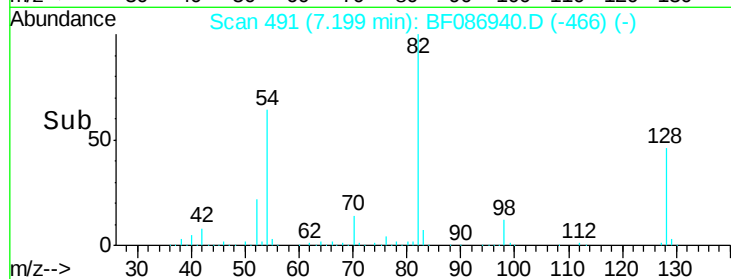
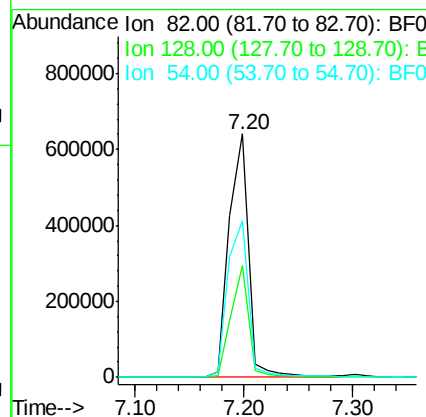
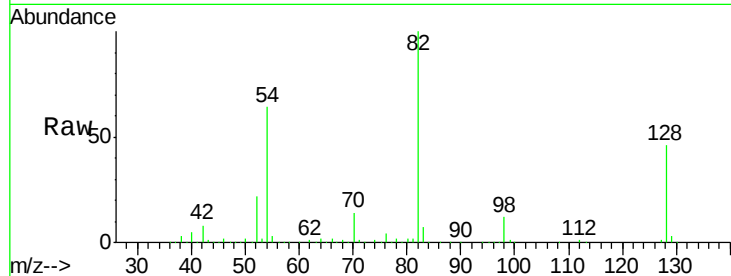
#23
 Nitrobenzene-d5
 Concen: 67.41 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.01 min
 Lab File: BF086940.D
 Acq: 12 May 2016 19:53

Instrument :
 BNA_F
 ClientSampleId :
 TP31-5FT

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	45.8	40.6	61.0
54	64.2	38.1	57.1

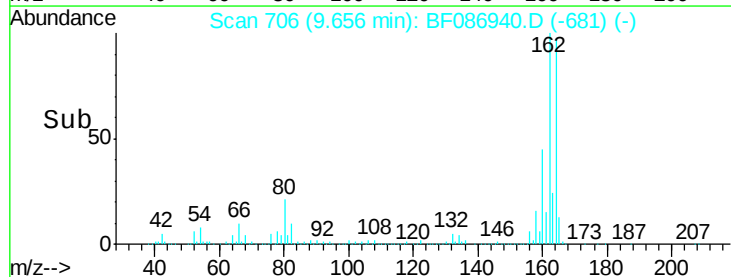
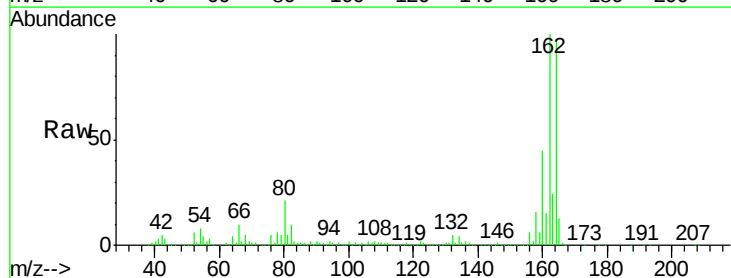
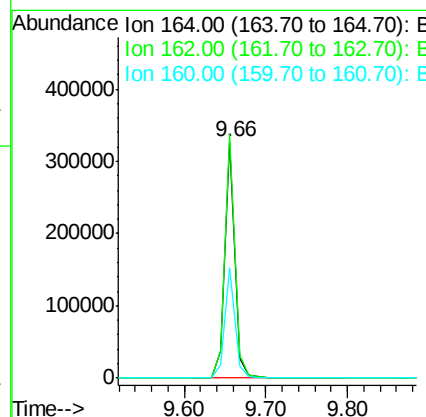
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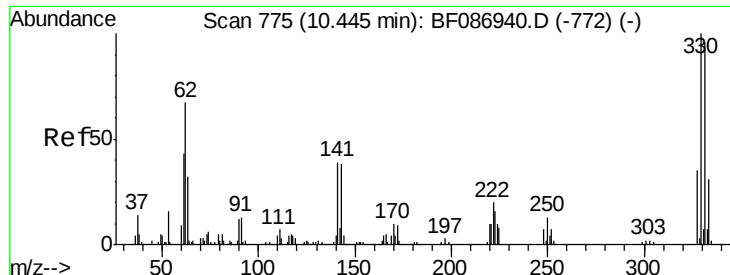
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BF086940.D
 Acq: 12 May 2016 19:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	103.1	82.8	124.2
160	46.9	36.9	55.3





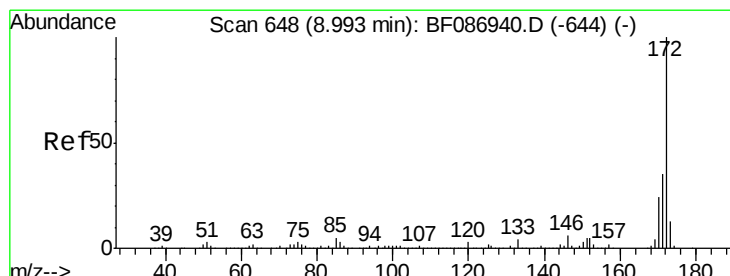
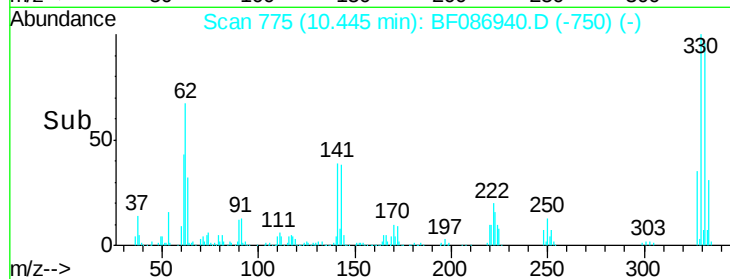
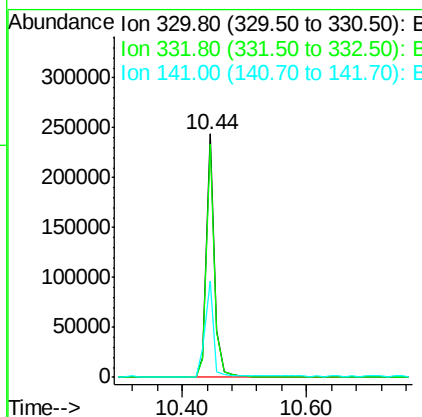
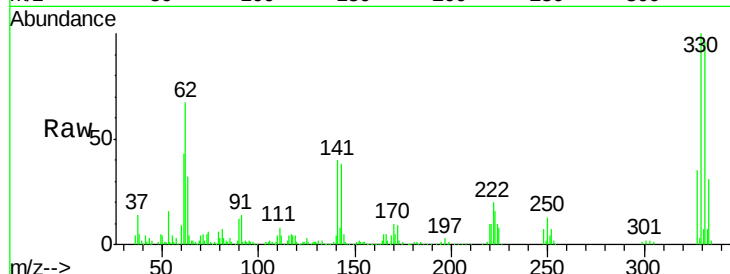
#41
 2,4,6-Tribromophenol
 Concen: 77.00 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF086940.D
 Acq: 12 May 2016 19:53

Instrument :
 BNA_F
 ClientSampleId :
 TP31-5FT

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	224754		
332	96.0	79.0	118.4	
141	41.7	31.2	46.8	

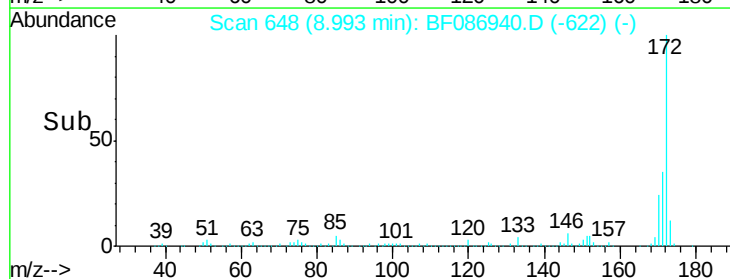
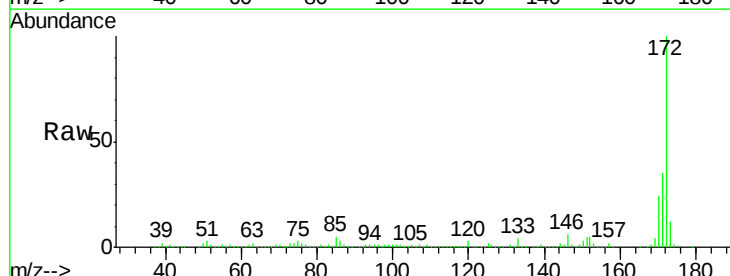
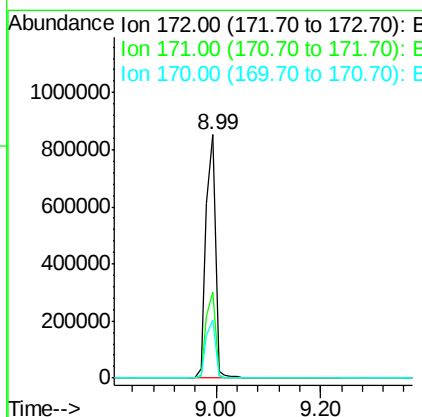
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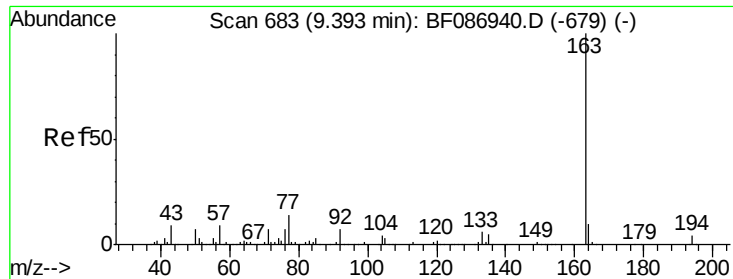
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#44
 2-Fluorobiphenyl
 Concen: 65.32 ng
 RT: 8.99 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: BF086940.D
 Acq: 12 May 2016 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1071611		
171	35.3	29.0	43.6	
170	23.8	19.8	29.8	





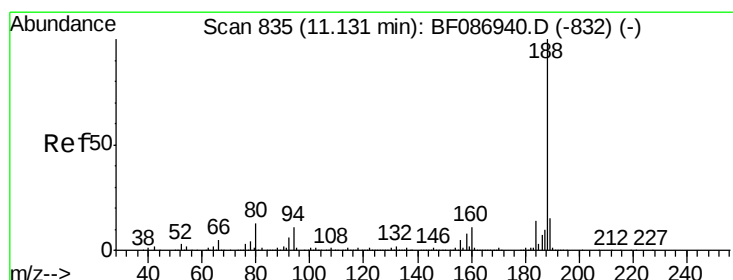
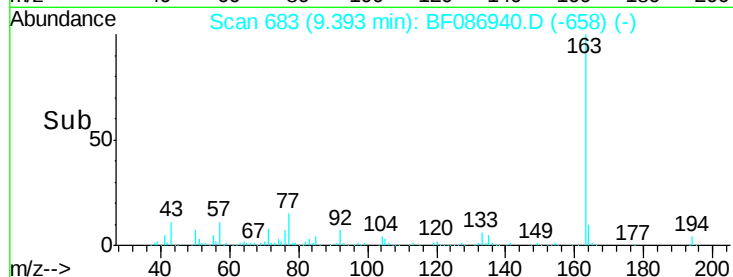
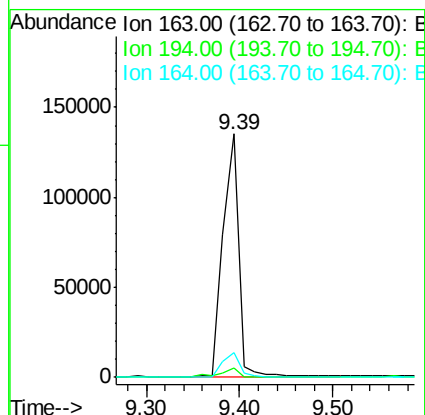
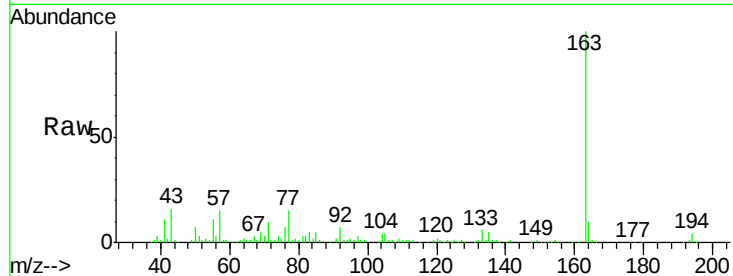
#49
Dimethylphthalate
Concen: 7.40 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF086940.D
Acq: 12 May 2016 19:53

Instrument :
BNA_F
ClientSampleId :
TP31-5FT

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.8	2.6	4.0
164	10.1	8.2	12.4

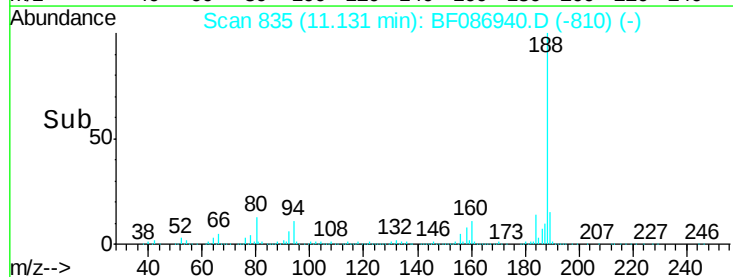
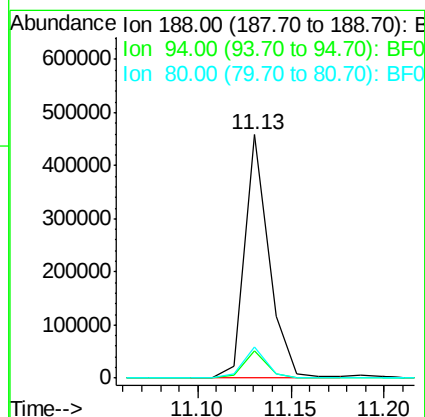
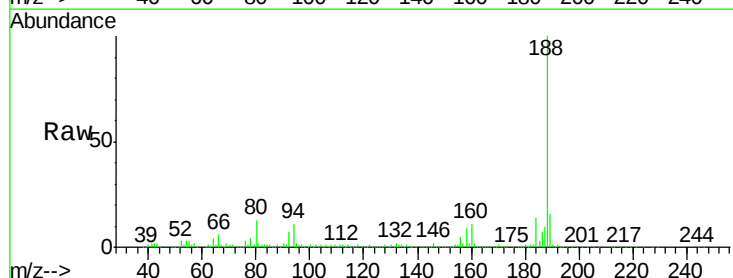
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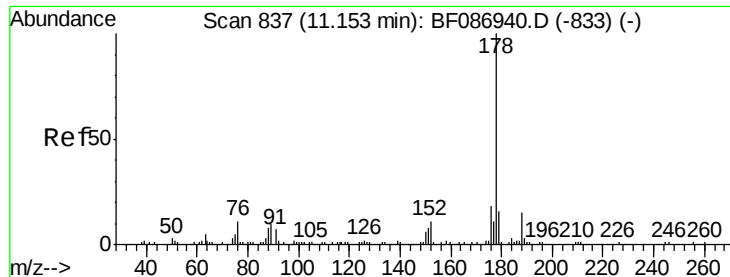
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF086940.D
Acq: 12 May 2016 19:53

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	11.5	6.8	10.2#
80	12.8	7.1	10.7#





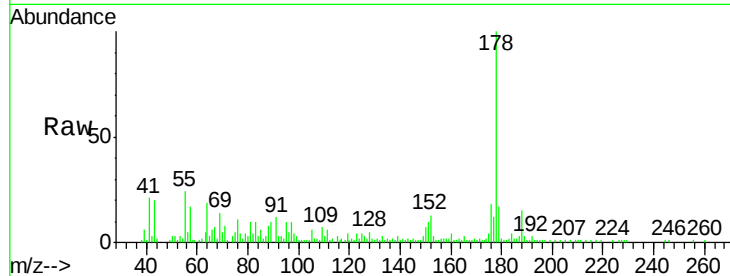
#70
Phenanthrene
Concen: 2.38 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.01 min
Lab File: BF086940.D
Acq: 12 May 2016 19:53

Instrument :
BNA_F
ClientSampleId :
TP31-5FT

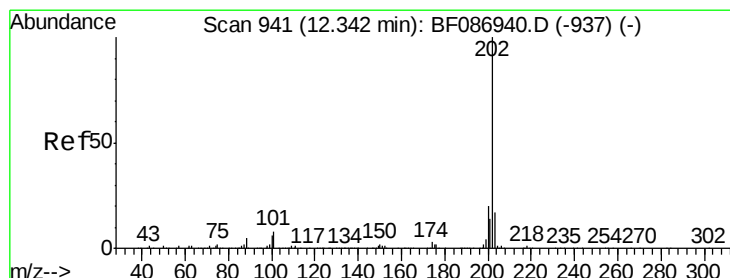
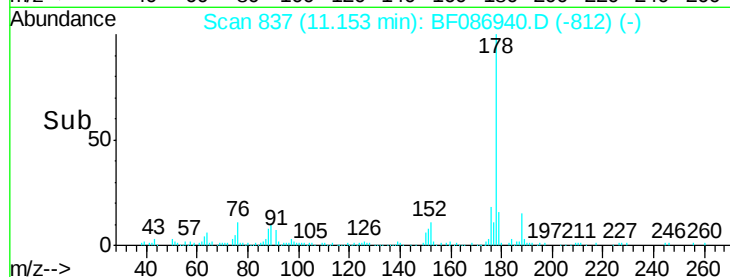
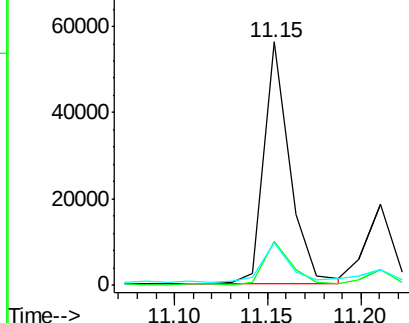
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.0	24.0
179	17.5	12.6	18.8

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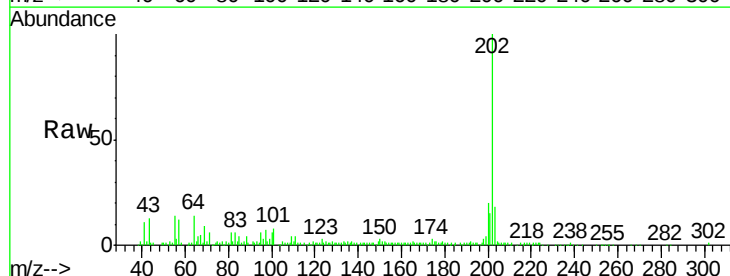


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

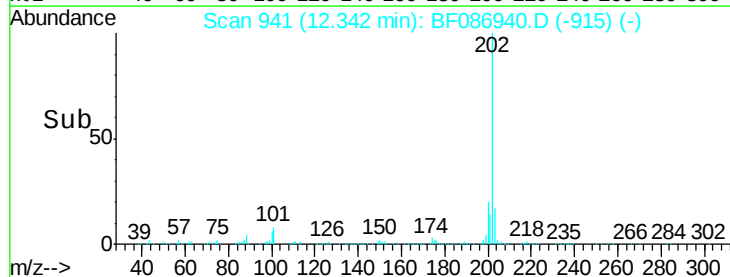
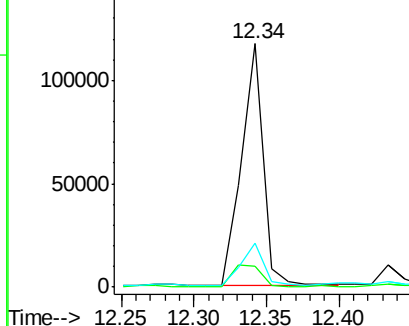


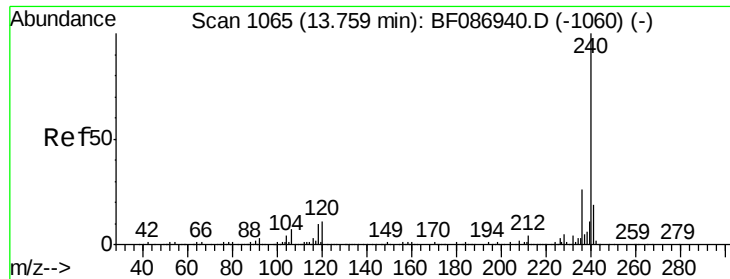
#74
Fluoranthene
Concen: 5.30 ng
RT: 12.34 min Scan# 941
Delta R.T. 0.00 min
Lab File: BF086940.D
Acq: 12 May 2016 19:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	35.4
203	17.9	0.0	38.1



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: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

Instrument :

BNA_F

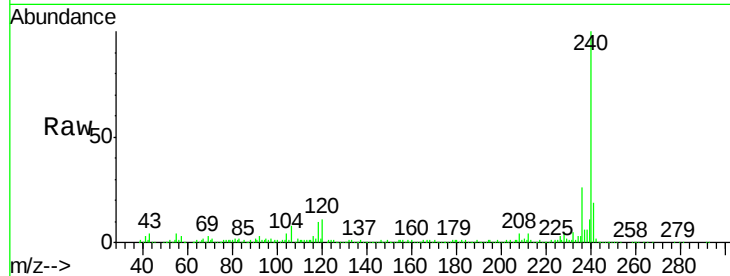
ClientSampleId :

TP31-5FT

Tgt	Ion	240	Resp:	287907
Ion	Ratio	100	Lower	Upper
240	100			
120	11.2	11.2	16.8#	
236	26.3	21.2	31.8	

Manual Integrations
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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

13.76

400000

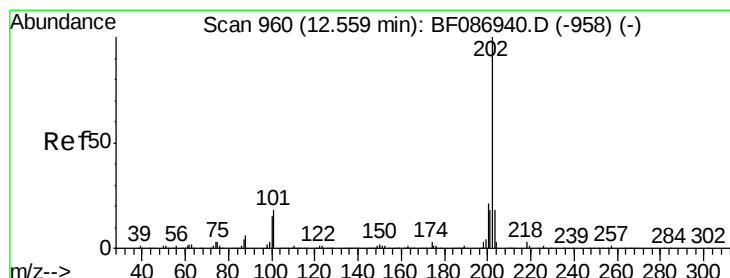
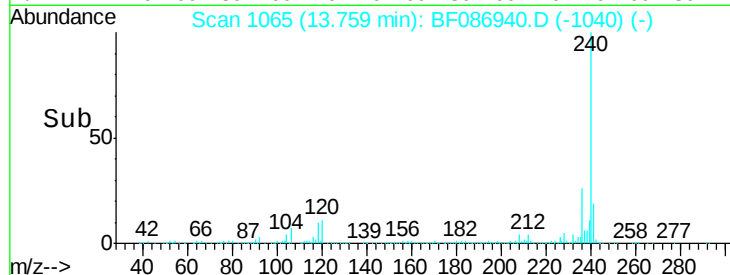
300000

200000

100000

0

Time--> 13.60 13.70 13.80 13.90



#77

Pyrene

Concen: 5.20 ng

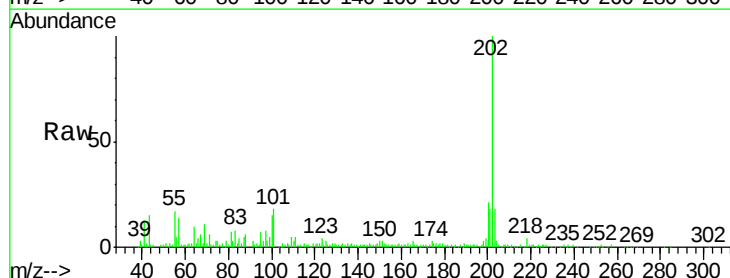
RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

Tgt	Ion	202	Resp:	114523
Ion	Ratio	100	Lower	Upper
202	100			
200	20.5	17.7	26.5	
203	18.4	14.2	21.4	



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

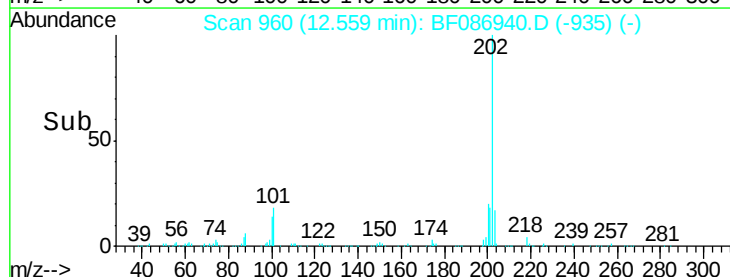
12.56

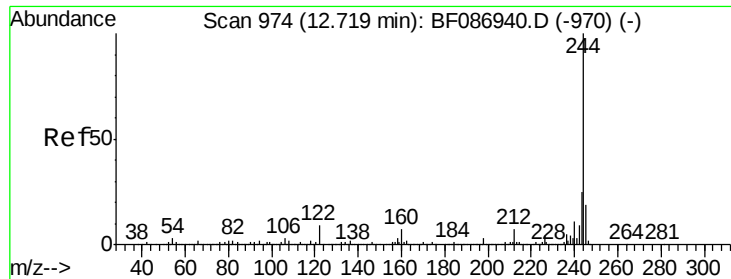
100000

50000

0

Time--> 12.50 12.55 12.60





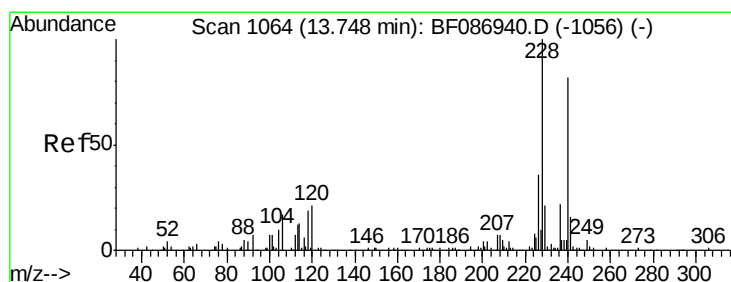
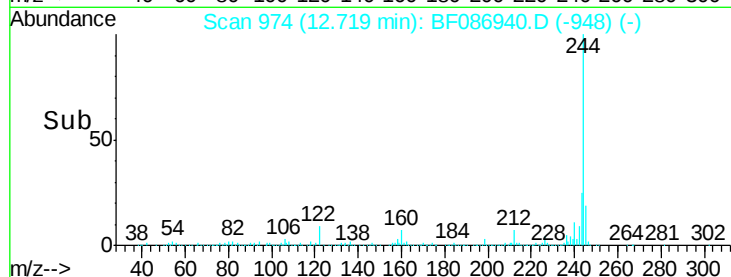
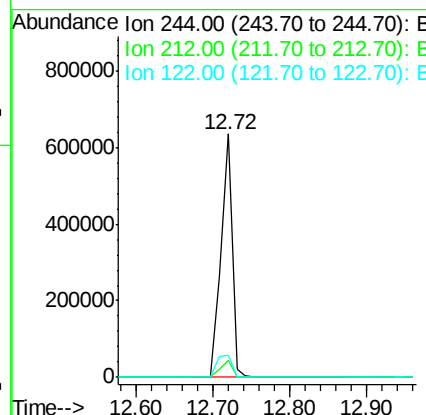
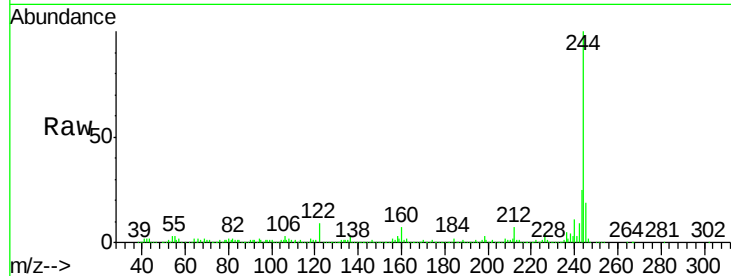
#78
 Terphenyl-d14
 Concen: 47.35 ng
 RT: 12.72 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: BF086940.D
 Acq: 12 May 2016 19:53

Instrument :
 BNA_F
 ClientSampleId :
 TP31-5FT

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	6.2	9.2
122	9.3	12.0	18.0#

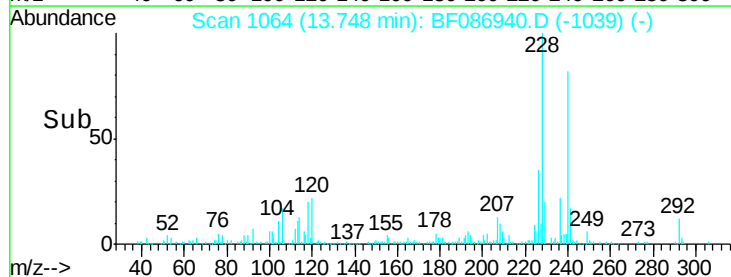
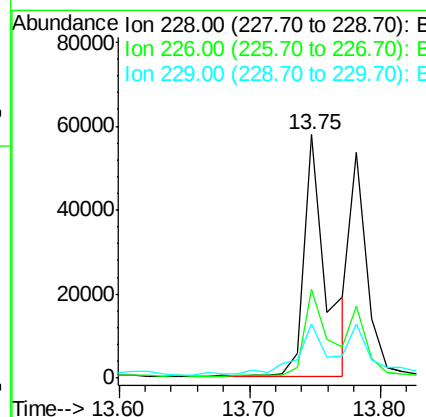
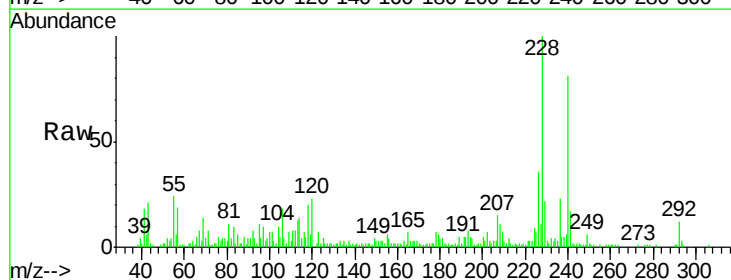
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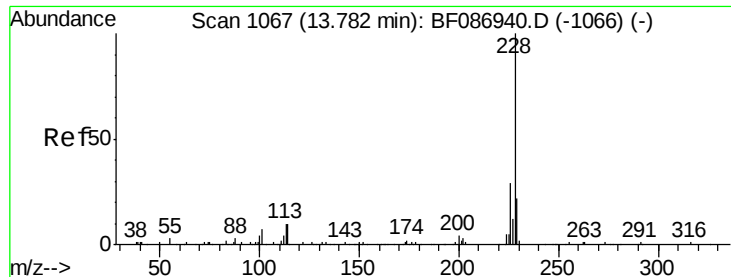
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#80
 Benzo(a)anthracene
 Concen: 4.20 ng
 RT: 13.75 min Scan# 1064
 Delta R.T. -0.01 min
 Lab File: BF086940.D
 Acq: 12 May 2016 19:53

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	36.2	22.5	33.7#
229	22.3	16.6	25.0





#82

Chrysene

Concen: 3.00 ng m

RT: 13.78 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BF086940.D

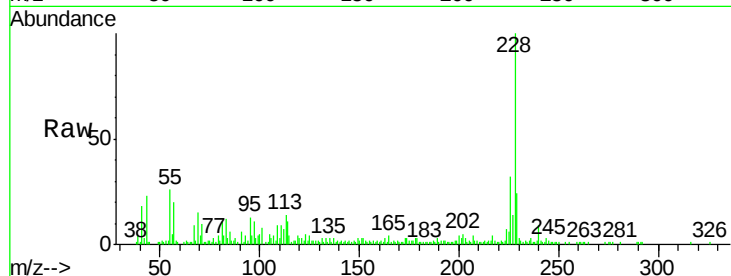
Acq: 12 May 2016 19:53

Instrument :

BNA_F

ClientSampleId :

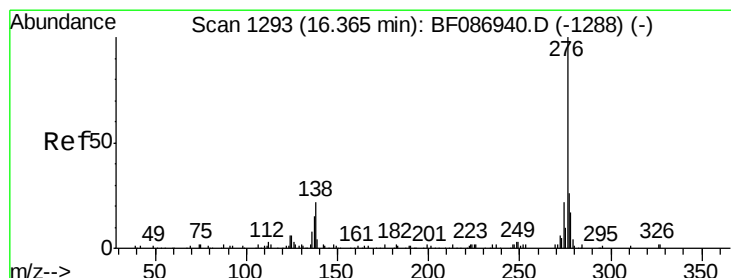
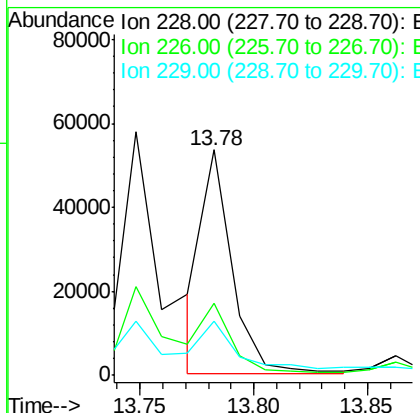
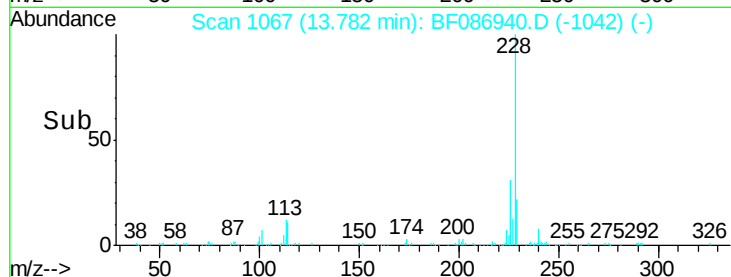
TP31-5FT



Tgt Ion:	228	Resp:	49391
Ion Ratio	Lower	Upper	
228	100		
226	32.0	24.4	36.6
229	24.1	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.96 ng

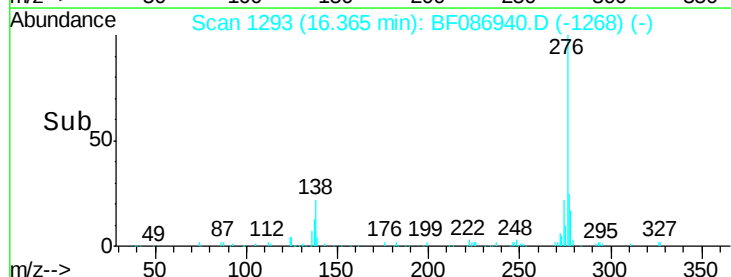
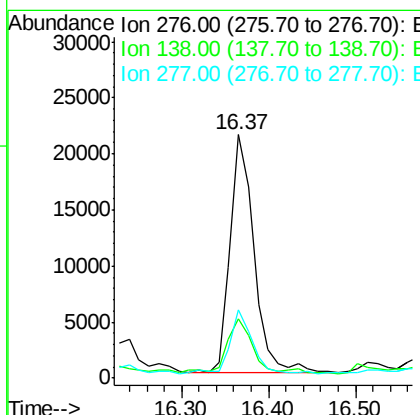
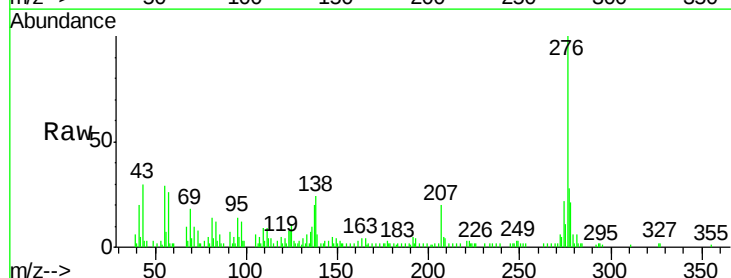
RT: 16.37 min Scan# 1293

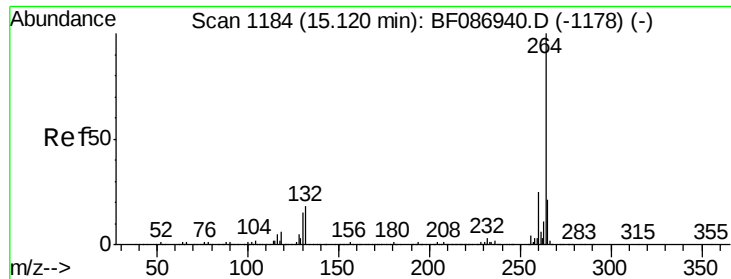
Delta R.T. -0.01 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

Tgt Ion:	276	Resp:	40508
Ion Ratio	Lower	Upper	
276	100		
138	26.7	25.6	38.4
277	24.5	20.5	30.7





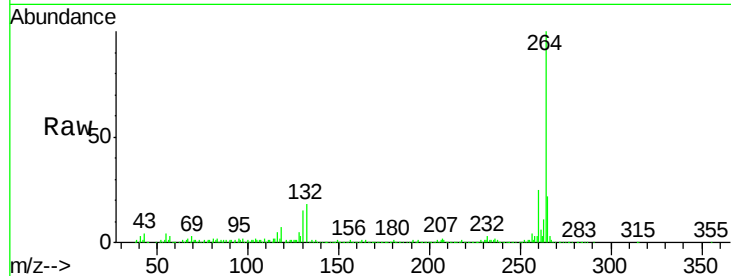
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF086940.D
Acq: 12 May 2016 19:53

Instrument :
BNA_F
ClientSampleId :
TP31-5FT

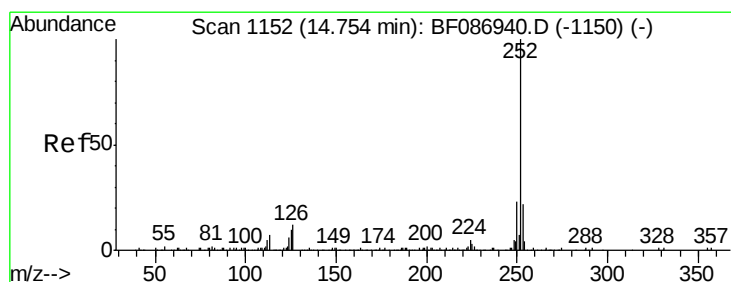
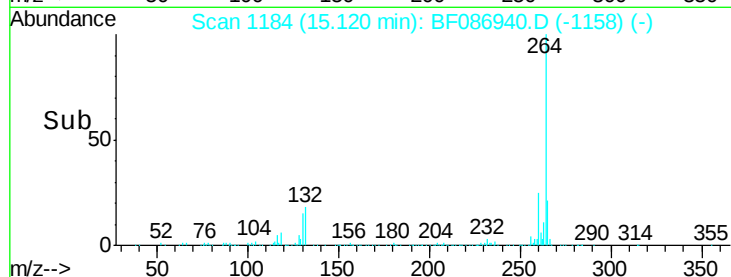
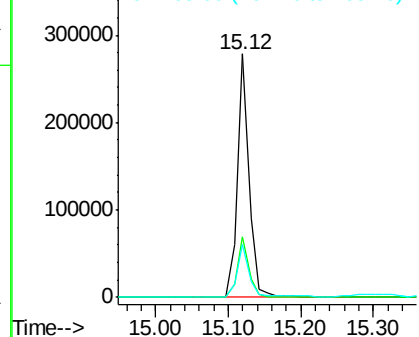
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	312401		
260	24.7	19.5	29.3	
265	21.6	17.3	25.9	

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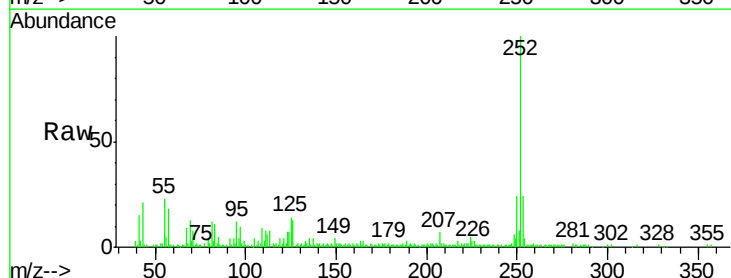


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

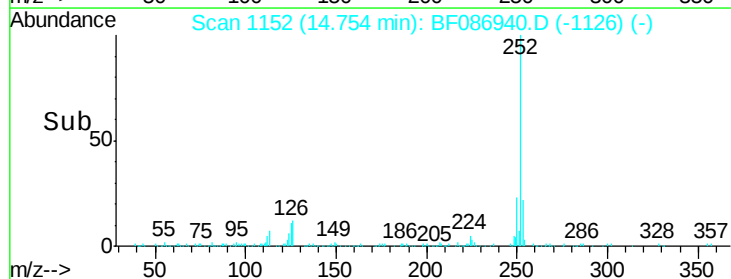
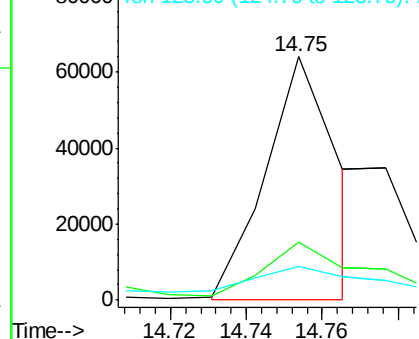


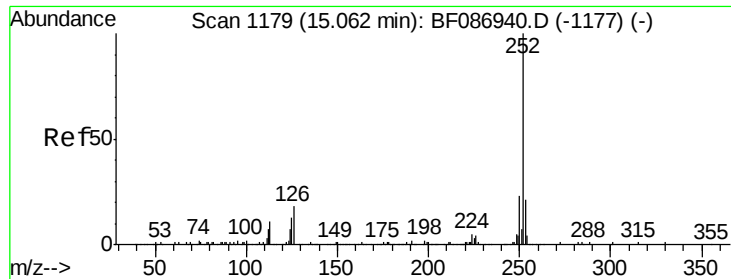
#87
Benzo(b)fluoranthene
Concen: 4.15 ng m
RT: 14.75 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF086940.D
Acq: 12 May 2016 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	84197		
253	23.7	17.8	26.6	
125	13.8	11.4	17.0	



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





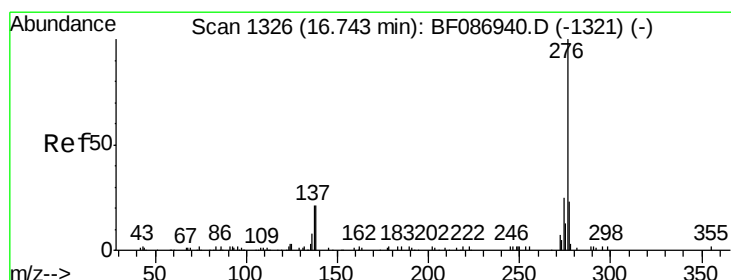
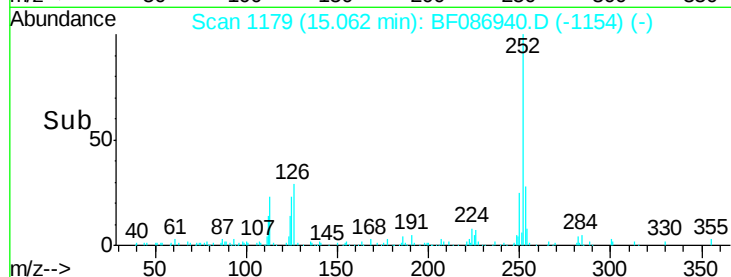
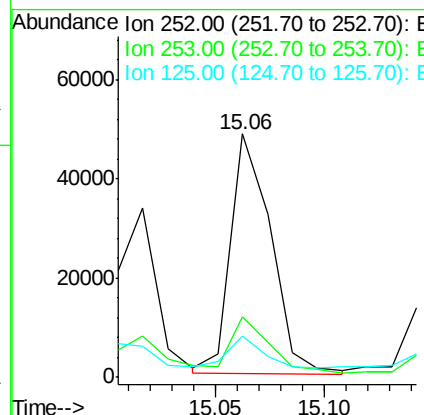
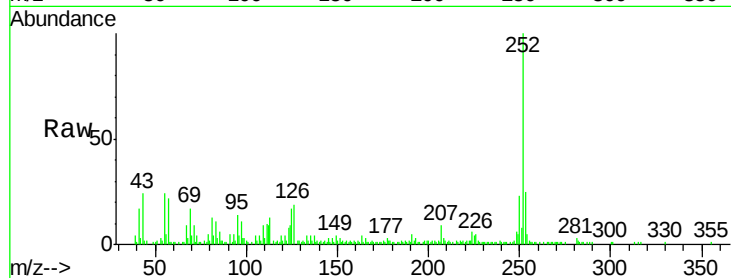
#89
Benzo(a)pyrene
Concen: 3.55 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF086940.D
Acq: 12 May 2016 19:53

Instrument :
BNA_F
ClientSampleId :
TP31-5FT

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.0	17.2	25.8
125	17.1	9.0	13.6

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#91
Benzo(g,h,i)perylene
Concen: 2.48 ng
RT: 16.74 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF086940.D
Acq: 12 May 2016 19:53

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.7	19.6	29.4
138	23.3	23.6	35.4

