

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
 Data File : BF086915.D
 Acq On : 12 May 2016 4:20
 Operator : UM/SJ
 Sample : H2957-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP30-6-7FT

Manual Integrations
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Quant Time: May 12 07:09:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 12 01:06:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	129619	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	502458	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	204158	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	322324	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	270608	20.00	ng	-0.01
86) Perylene-d12	15.14	264	217337	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	945307	123.51	ng	0.01
7) Phenol-d6	6.30	99	1094565	107.00	ng	-0.01
23) Nitrobenzene-d5	7.21	82	844703	84.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	196646	90.98	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	1061123	87.35	ng	0.00
78) Terphenyl-d14	12.73	244	675194	52.94	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.94	128	168077	6.68	ng	100
37) 2-Methylnaphthalene	8.63	142	62764	4.27	ng	97
48) Acenaphthylene	9.53	152	82422	4.40	ng	97
49) Dimethylphthalate	9.40	163	133636	8.58	ng	98
51) Acenaphthene	9.70	154	66108	5.68	ng	98
54) Dibenzofuran	9.87	168	123676	8.28	ng	99
57) Fluorene	10.22	166	137410	10.78	ng	99
70) Phenanthrene	11.18	178	748078	43.49	ng	99
71) Anthracene	11.22	178	177378	10.08	ng	99
72) Carbazole	11.38	167	62455	4.13	ng	97
74) Fluoranthene	12.35	202	616728	34.86	ng	97
77) Pyrene	12.58	202	542556	26.19	ng	99
80) Benzo(a)anthracene	13.76	228	263331	17.33	ng	97
82) Chrysene	13.79	228	202420m	13.10	ng	
85) Indeno(1,2,3-cd)pyrene	16.39	276	68321	5.31	ng	# 88
87) Benzo(b)fluoranthene	14.77	252	256081m	18.13	ng	
88) Benzo(k)fluoranthene	14.79	252	26560m	2.30	ng	
89) Benzo(a)pyrene	15.09	252	148316	12.17	ng	97
91) Benzo(g,h,i)perylene	16.77	276	56052	5.37	ng	96

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

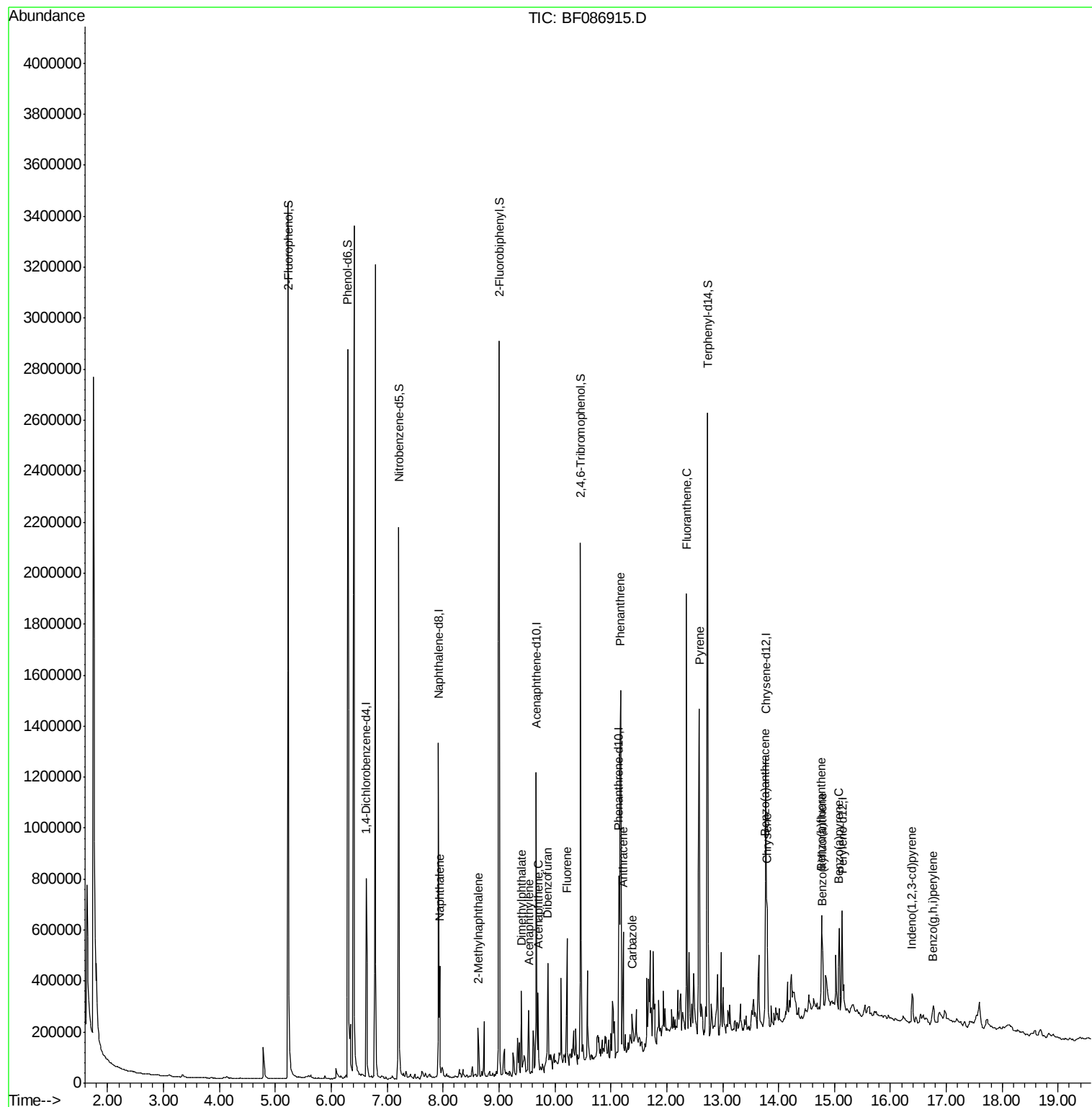
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
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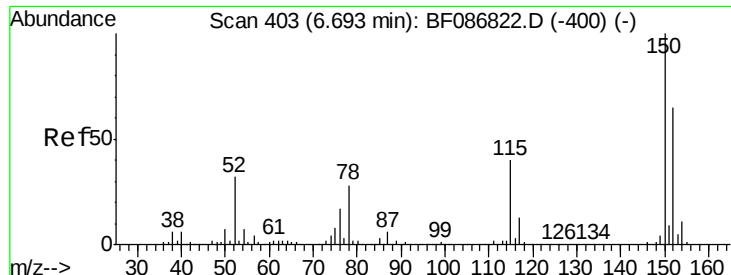
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
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QLast Update : Thu May 12 01:06:48 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.01 min

Lab File: BF086915.D

Acq: 12 May 2016 4:20

Instrument :

BNA_F

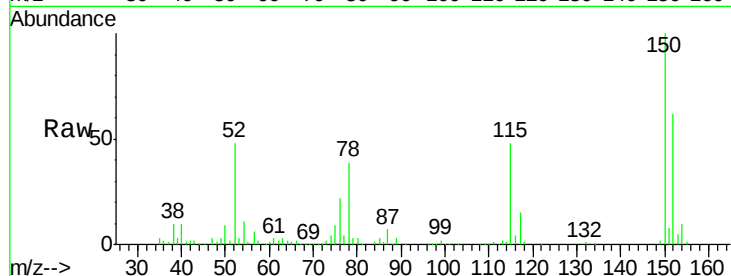
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TP30-6-7FT

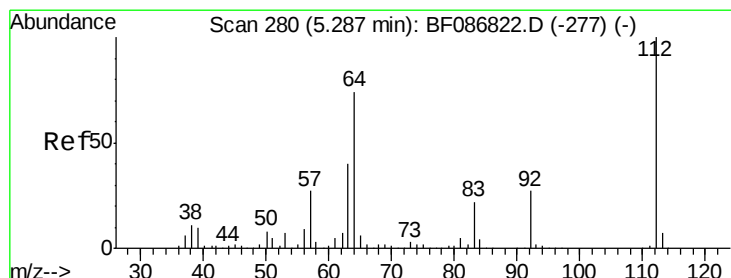
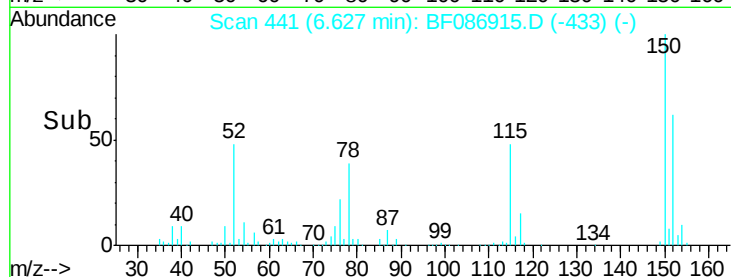
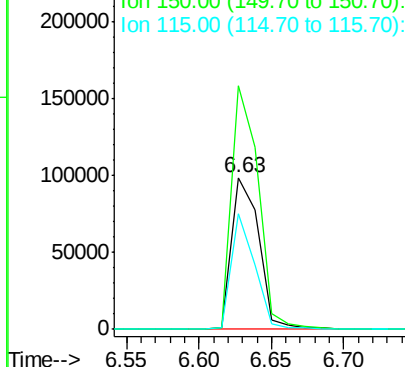
Tgt Ion:	152	Resp:	129619
Ion Ratio	Lower	Upper	
152	100		
150	160.2	125.8	188.6
115	76.2	51.5	77.3

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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: 123.51 ng

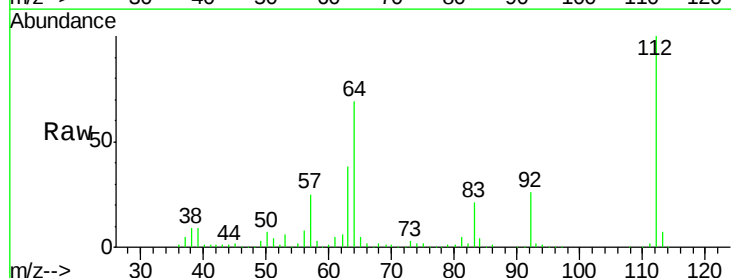
RT: 5.23 min Scan# 319

Delta R.T. 0.01 min

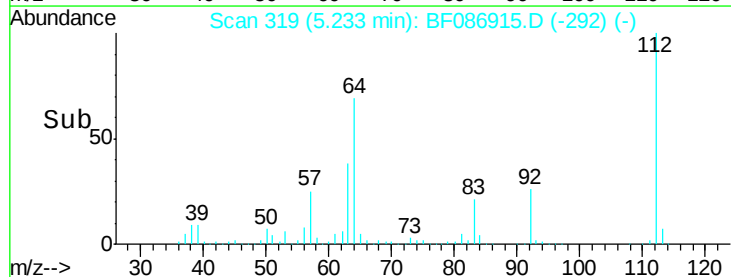
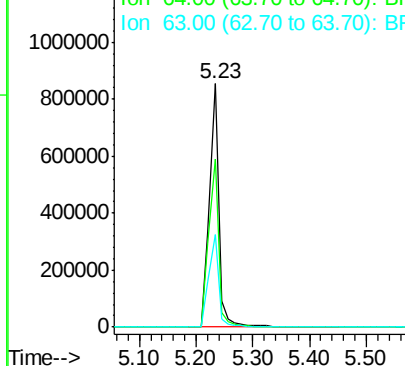
Lab File: BF086915.D

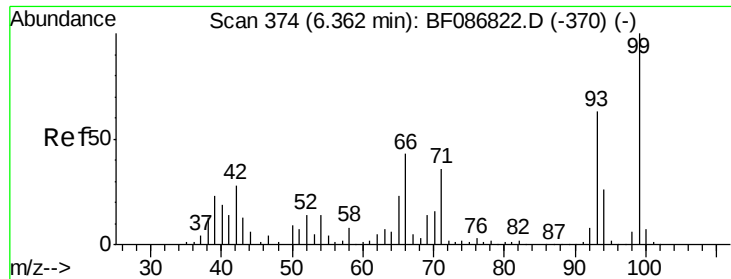
Acq: 12 May 2016 4:20

Tgt Ion:	112	Resp:	945307
Ion Ratio	Lower	Upper	
112	100		
64	69.1	52.1	78.1
63	37.8	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: 107.00 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.01 min

Lab File: BF086915.D

Acq: 12 May 2016 4:20

Instrument :

BNA_F

ClientSampled :

TP30-6-7FT

Tgt Ion: 99 Resp: 1094565

Ion Ratio Lower Upper

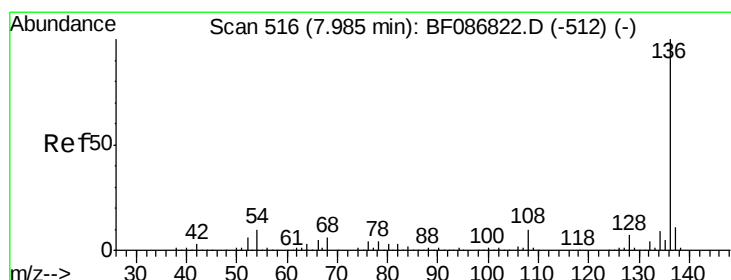
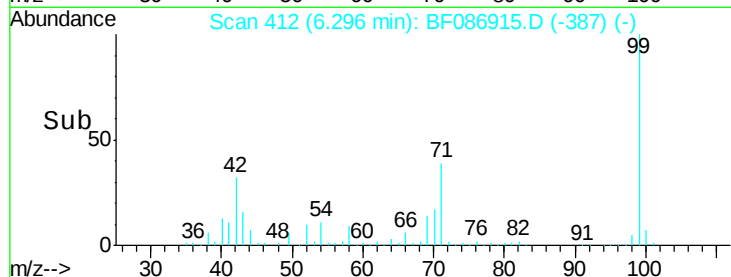
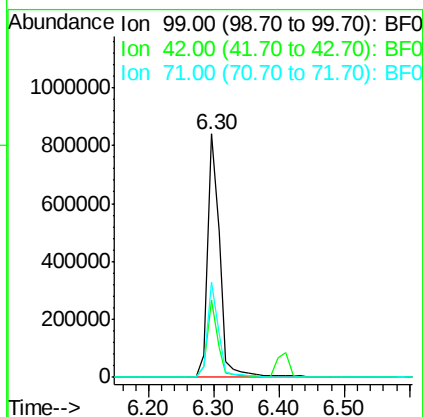
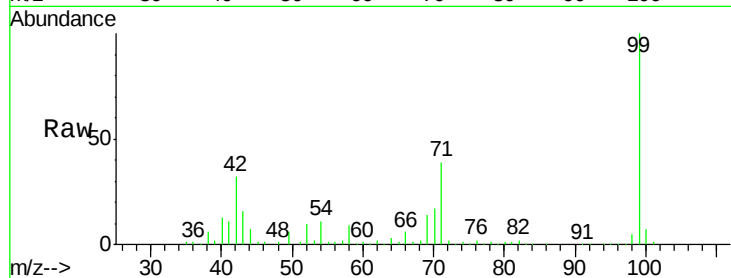
99 100

42 31.7 13.6 20.4#

71 39.2 24.6 36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF086915.D

Acq: 12 May 2016 4:20

Tgt Ion: 136 Resp: 502458

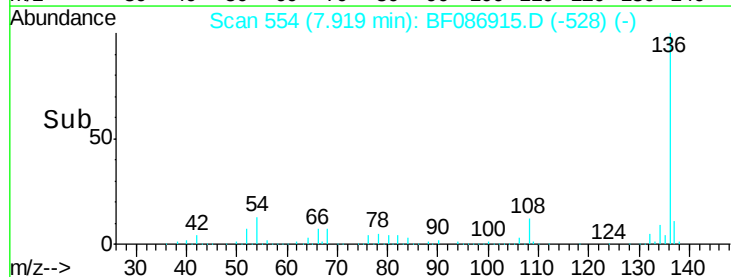
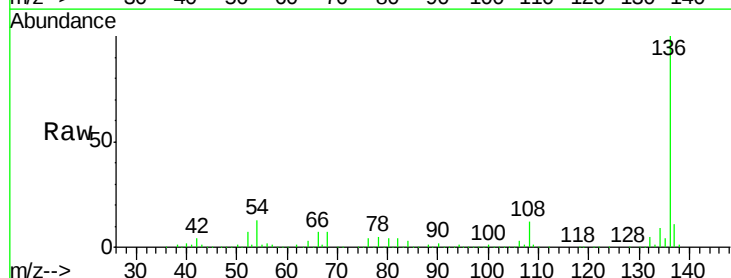
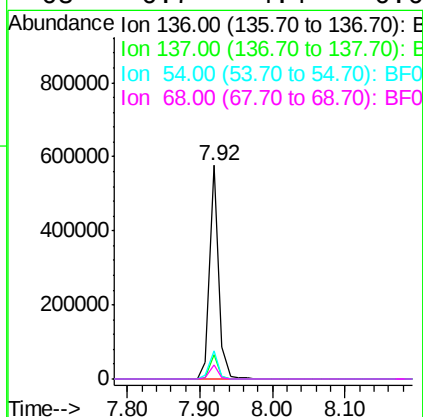
Ion Ratio Lower Upper

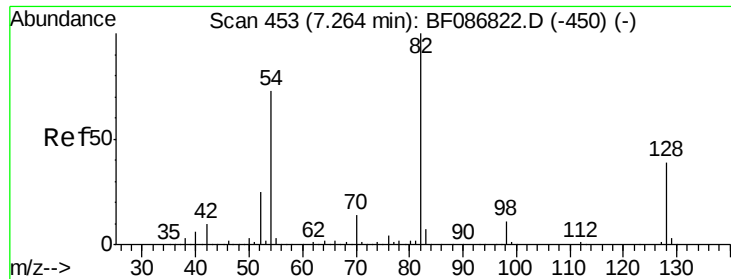
136 100

137 11.2 8.8 13.2

54 12.9 5.0 7.4#

68 6.7 4.4 6.6#





#23

Nitrobenzene-d5

Concen: 84.41 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.01 min

Lab File: BF086915.D

Acq: 12 May 2016 4:20

Instrument :

BNA_F

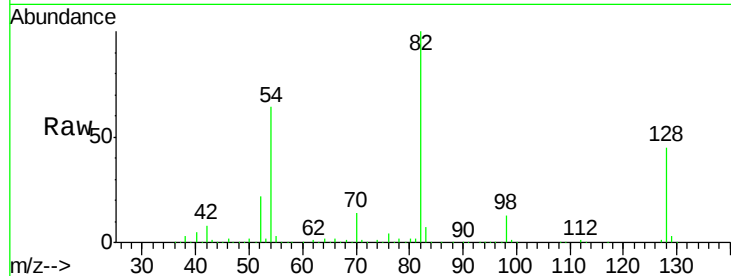
ClientSampleId :

TP30-6-7FT

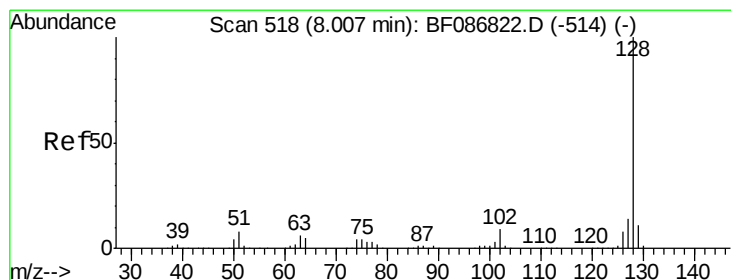
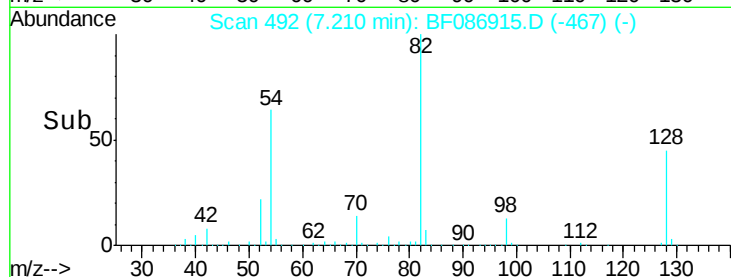
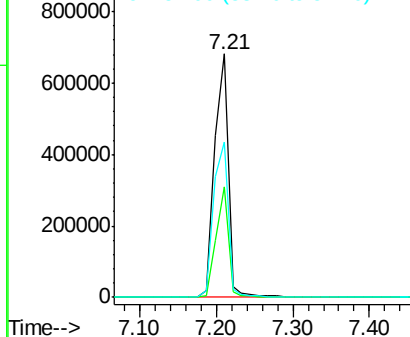
Tgt Ion:	82	Resp:	844703
Ion Ratio	Lower	Upper	
82	100		
128	45.4	40.6	61.0
54	63.7	38.1	57.1#

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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



#31

Naphthalene

Concen: 6.68 ng

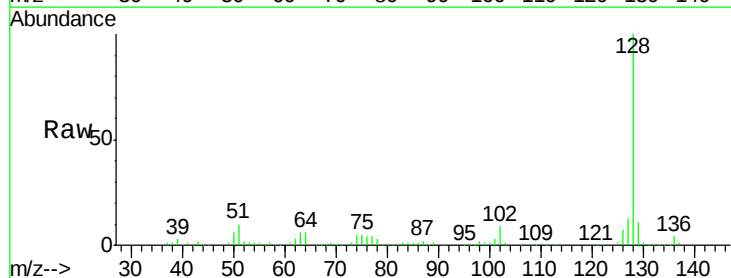
RT: 7.94 min Scan# 556

Delta R.T. -0.00 min

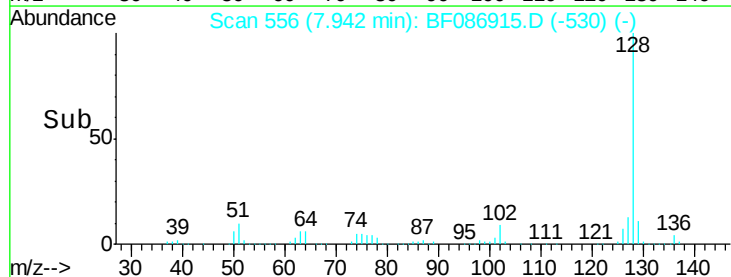
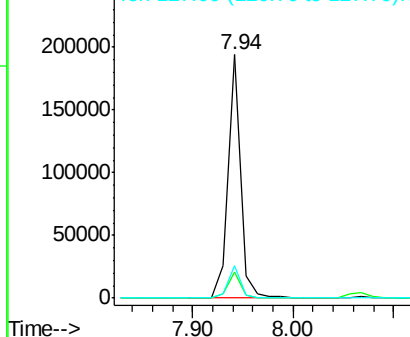
Lab File: BF086915.D

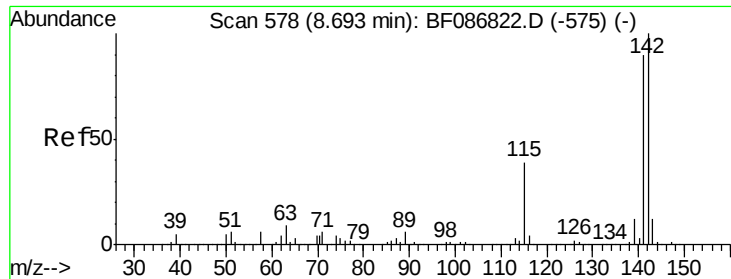
Acq: 12 May 2016 4:20

Tgt Ion:	128	Resp:	168077
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.6	13.0
127	13.2	10.8	16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





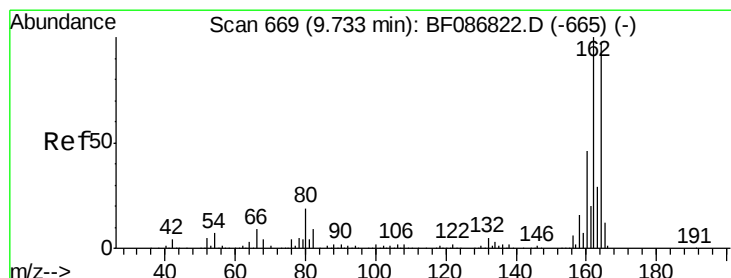
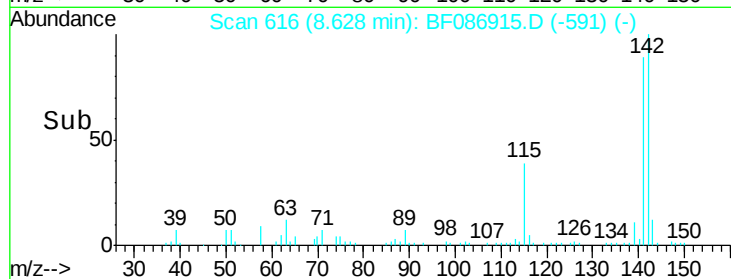
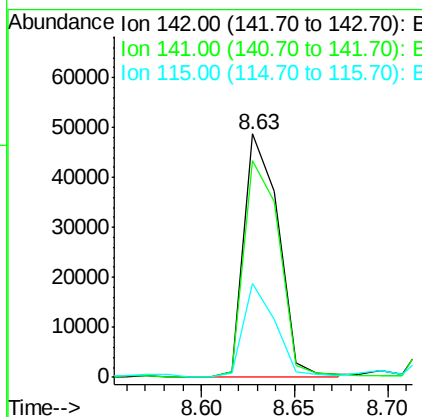
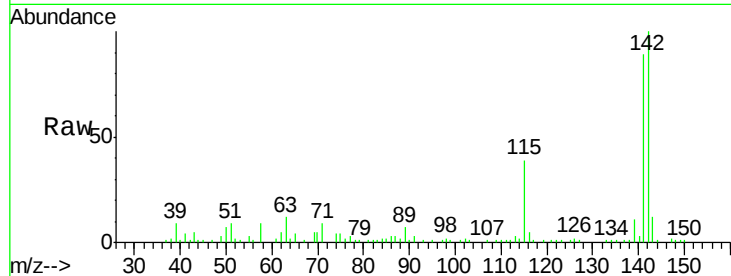
#37
2-Methylnaphthalene
Concen: 4.27 ng
RT: 8.63 min Scan# 616
Delta R.T. -0.01 min
Lab File: BF086915.D
Acq: 12 May 2016 4:20

Instrument :
BNA_F
ClientSampleId :
TP30-6-7FT

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.0	106.6
115	38.8	26.6	39.8

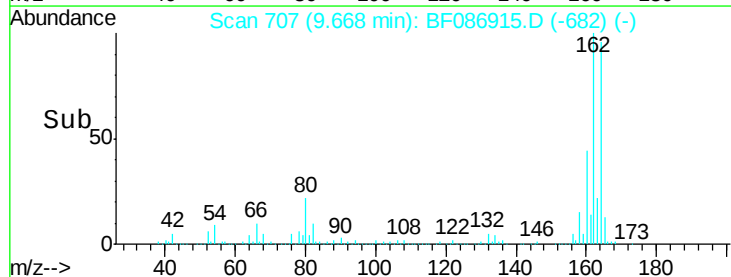
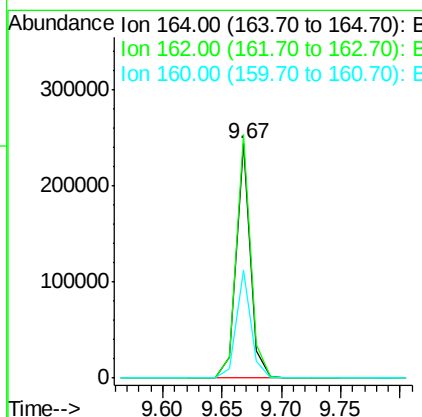
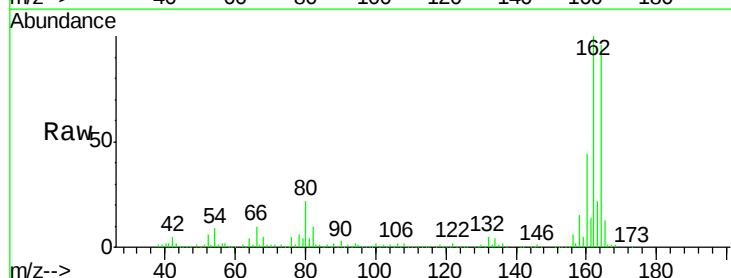
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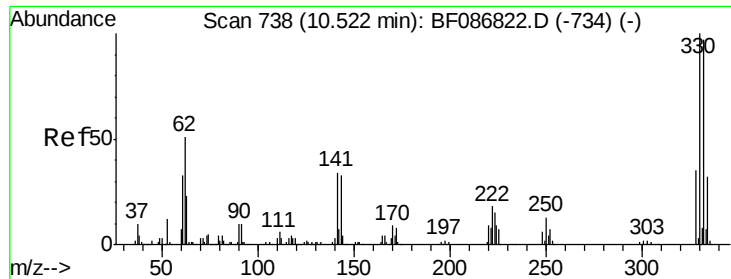
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.01 min
Lab File: BF086915.D
Acq: 12 May 2016 4:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.8	124.2
160	45.9	36.9	55.3





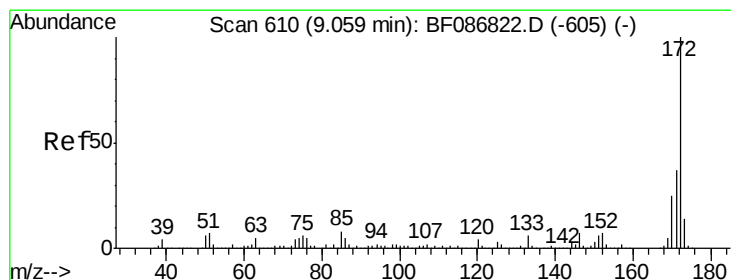
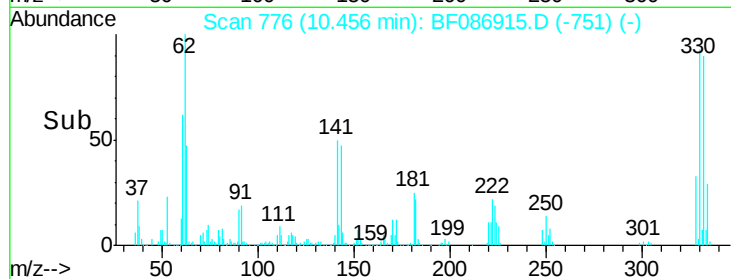
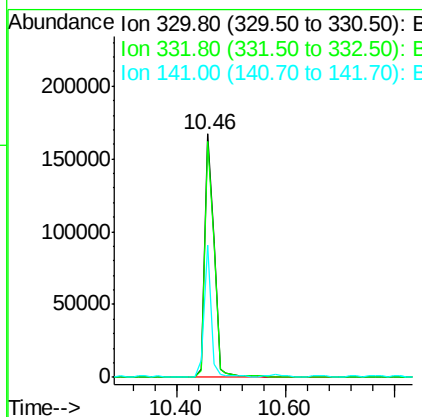
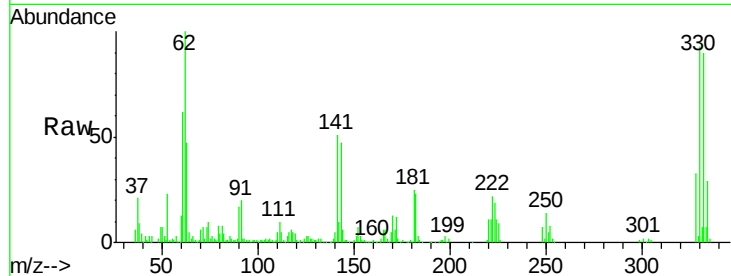
#41
 2,4,6-Tribromophenol
 Concen: 90.98 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: BF086915.D
 Acq: 12 May 2016 4:20

Instrument :
 BNA_F
 ClientSampleId :
 TP30-6-7FT

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	196646		
332	97.5	79.0	118.4	
141	39.5	31.2	46.8	

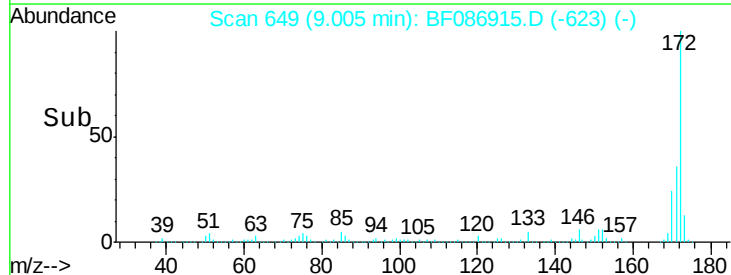
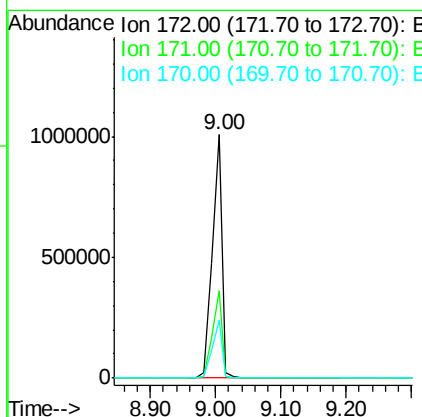
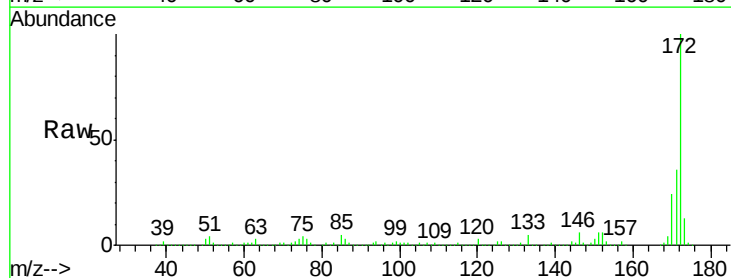
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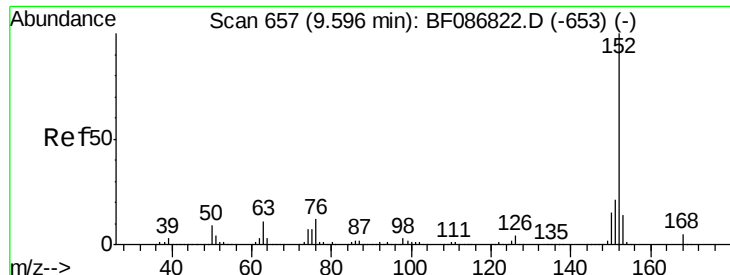
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#44
 2-Fluorobiphenyl
 Concen: 87.35 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF086915.D
 Acq: 12 May 2016 4:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1061123		
171	35.9	29.0	43.6	
170	24.1	19.8	29.8	





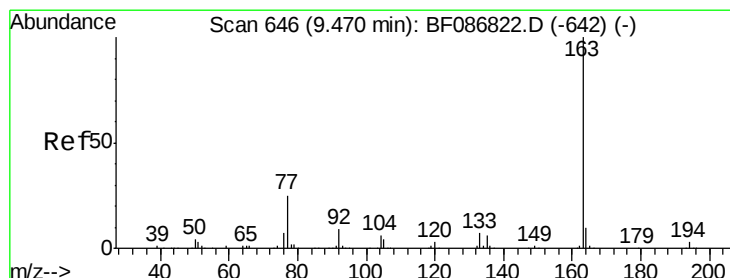
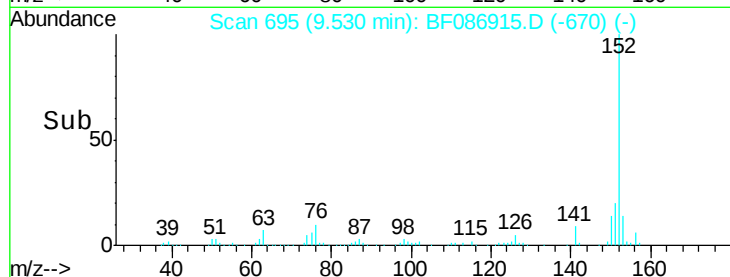
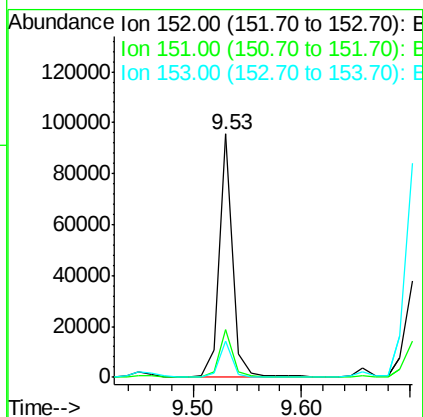
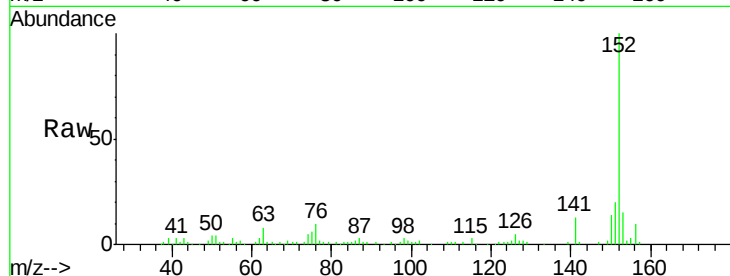
#48
Acenaphthylene
Concen: 4.40 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.01 min
Lab File: BF086915.D
Acq: 12 May 2016 4:20

Instrument :
BNA_F
ClientSampleId :
TP30-6-7FT

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	82422		
151	19.8	16.8	25.2	
153	14.8	10.9	16.3	

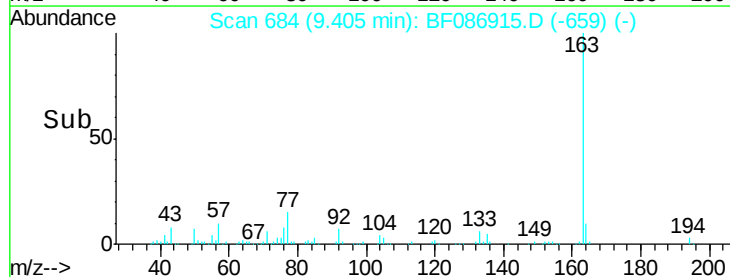
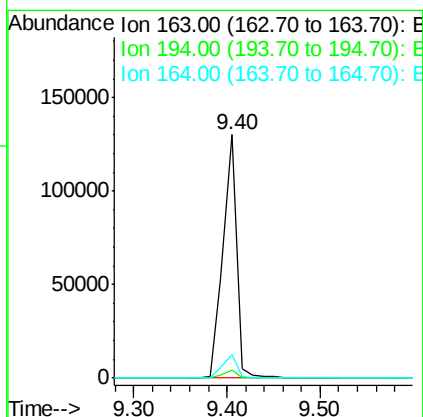
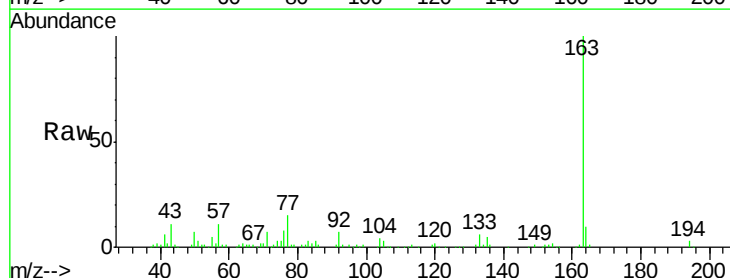
Manual Integrations
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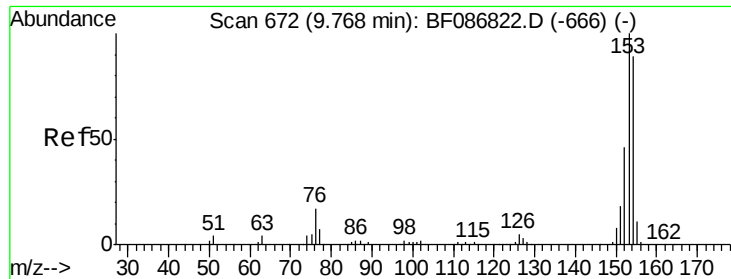
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#49
Dimethylphthalate
Concen: 8.58 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF086915.D
Acq: 12 May 2016 4:20

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	133636		
194	3.4	2.6	4.0	
164	9.5	8.2	12.4	





#51

Acenaphthene

Concen: 5.68 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF086915.D

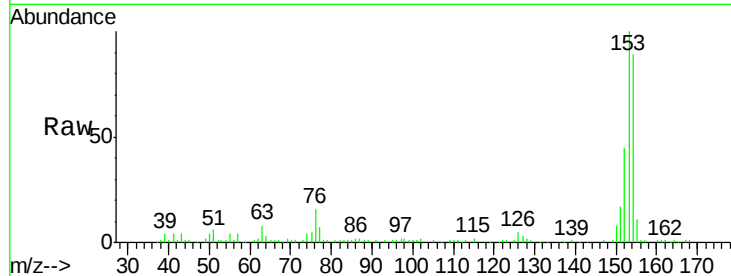
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Instrument :

BNA_F

ClientSampleId :

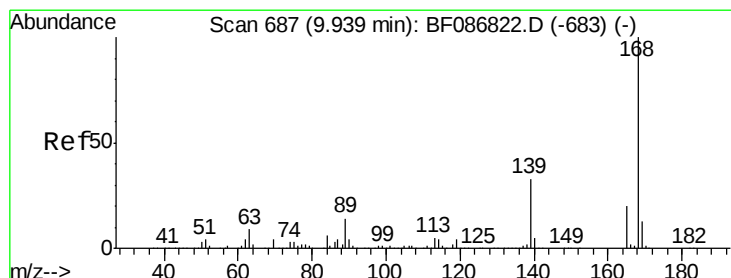
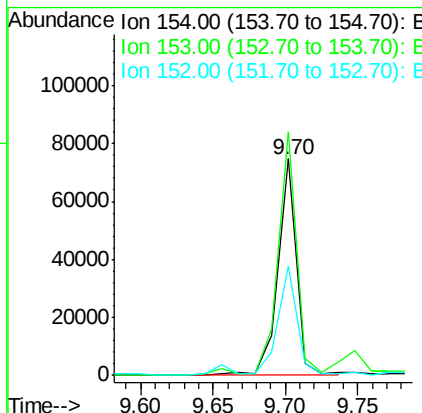
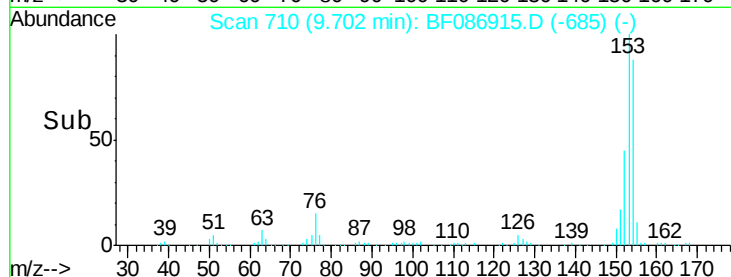
TP30-6-7FT



Tgt Ion:	154	Resp:	66108
Ion Ratio	Lower	Upper	
154	100		
153	112.7	89.8	134.6
152	50.7	43.4	65.0

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#54

Dibenzofuran

Concen: 8.28 ng

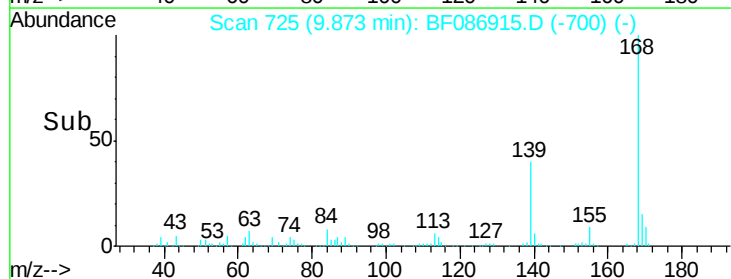
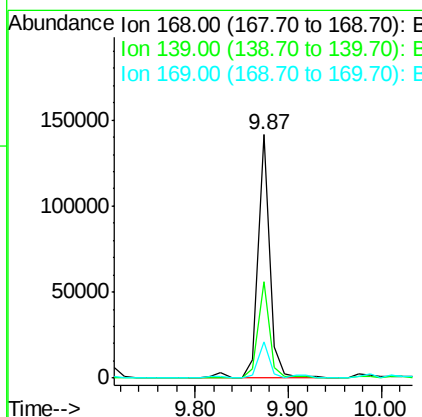
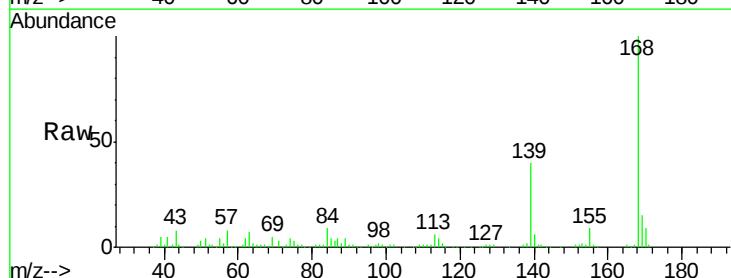
RT: 9.87 min Scan# 725

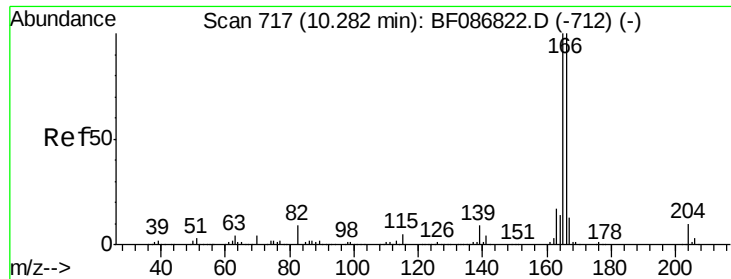
Delta R.T. -0.01 min

Lab File: BF086915.D

Acq: 12 May 2016 4:20

Tgt Ion:	168	Resp:	123676
Ion Ratio	Lower	Upper	
168	100		
139	39.6	31.4	47.0
169	14.7	10.7	16.1





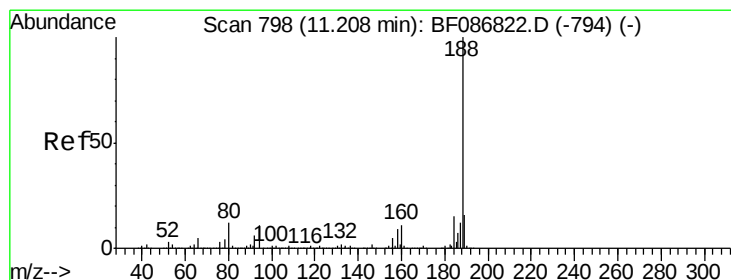
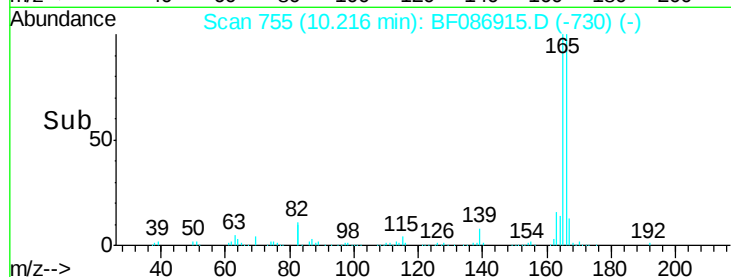
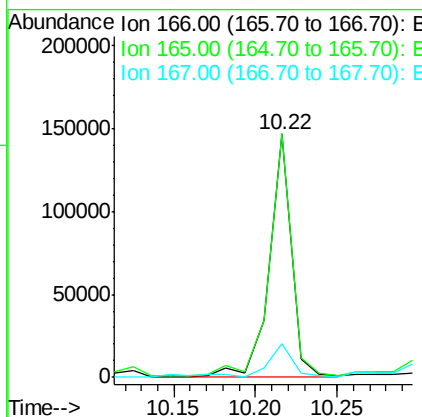
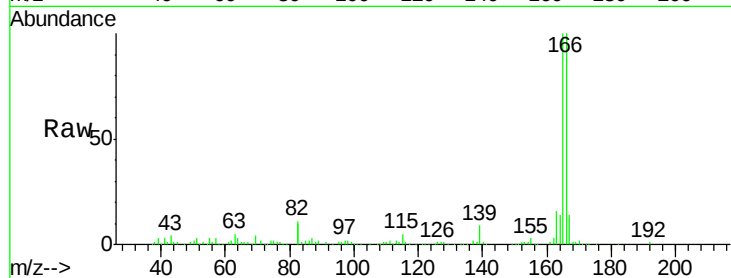
#57
Fluorene
 Concen: 10.78 ng
 RT: 10.22 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086915.D
 Acq: 12 May 2016 4:20

Instrument :
 BNA_F
 ClientSampleId :
 TP30-6-7FT

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	137410		
165	100.0	79.0	118.6	
167	13.7	10.6	15.8	

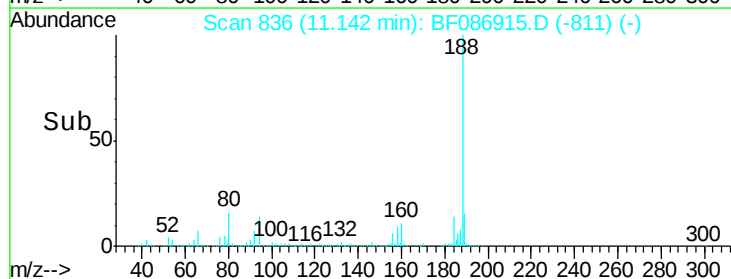
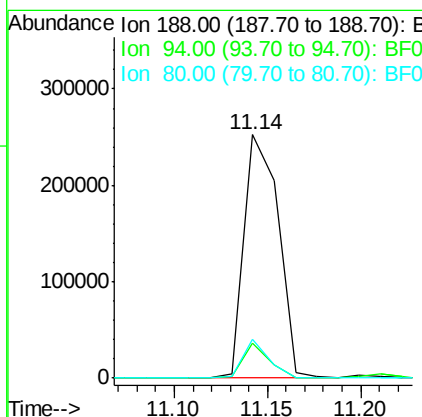
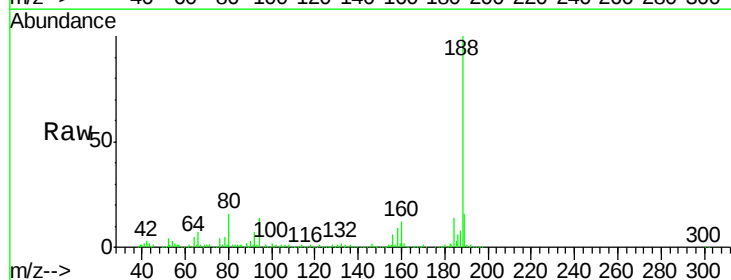
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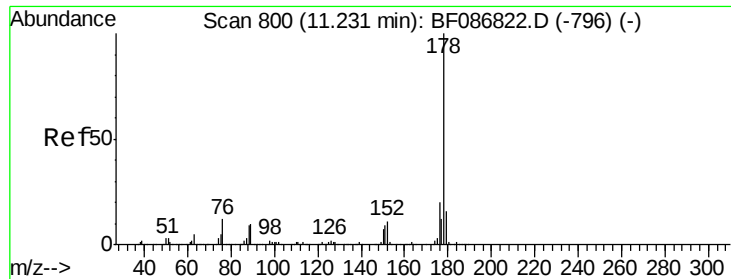
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: BF086915.D
 Acq: 12 May 2016 4:20

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	322324		
94	14.2	6.8	10.2#	
80	15.8	7.1	10.7#	





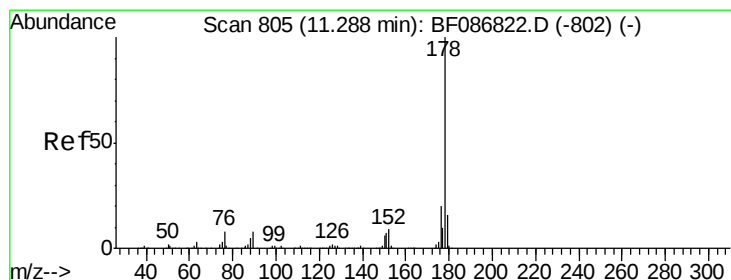
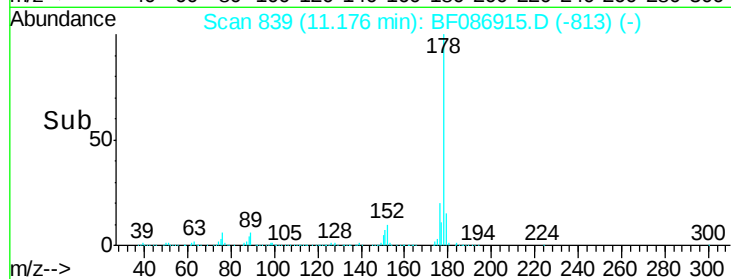
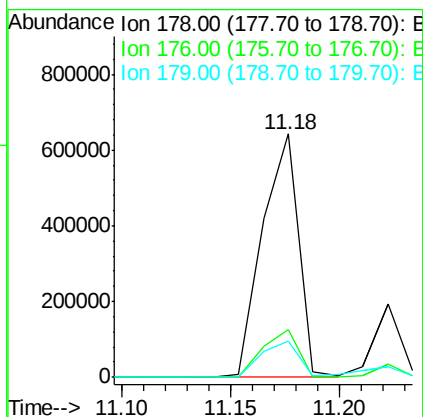
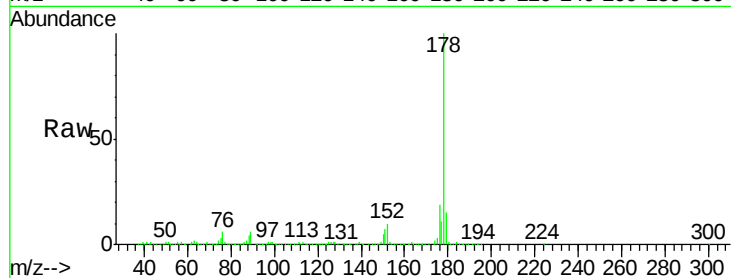
#70
Phenanthrene
Concen: 43.49 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.00 min
Lab File: BF086915.D
Acq: 12 May 2016 4:20

Instrument :
BNA_F
ClientSampleId :
TP30-6-7FT

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.0	24.0
179	15.1	12.6	18.8

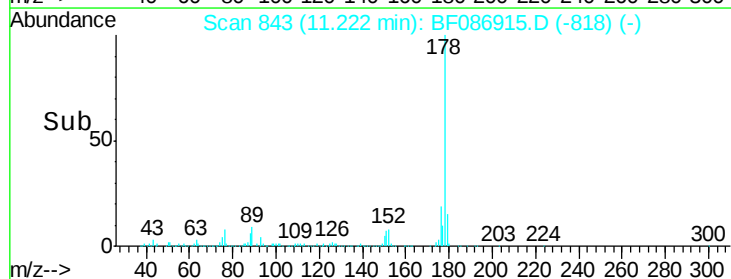
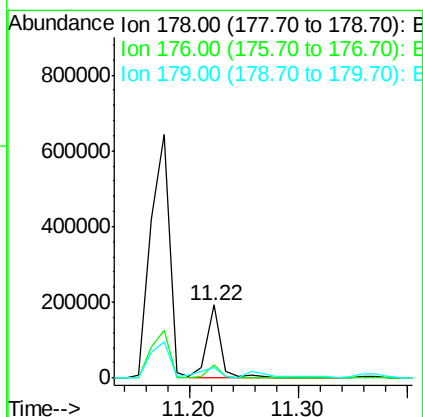
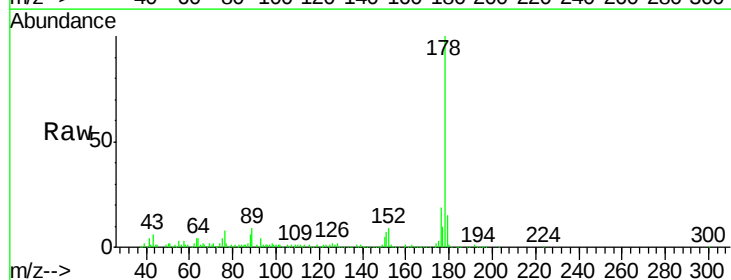
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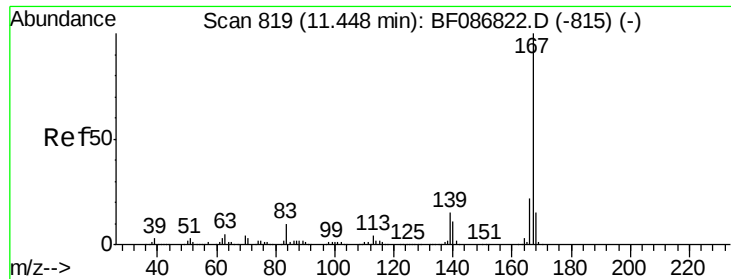
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#71
Anthracene
Concen: 10.08 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF086915.D
Acq: 12 May 2016 4:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	15.4	12.7	19.1





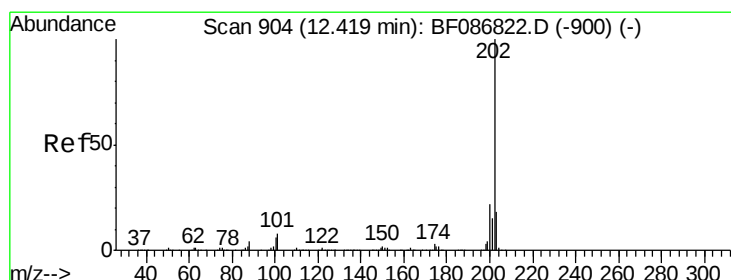
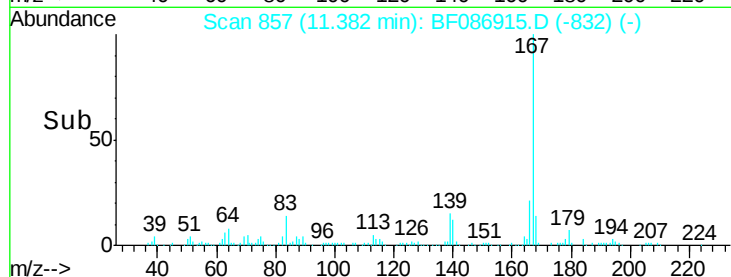
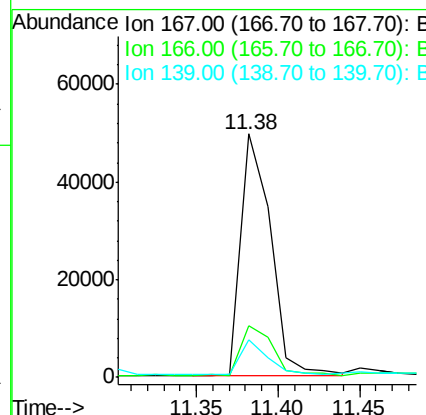
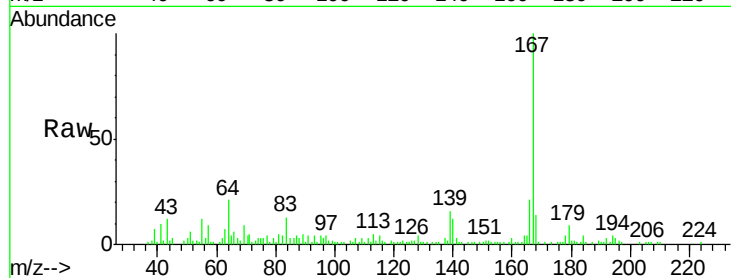
#72
 Carbazole
 Concen: 4.13 ng
 RT: 11.38 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: BF086915.D
 Acq: 12 May 2016 4:20

Instrument :
 BNA_F
 ClientSampleId :
 TP30-6-7FT

Tgt Ion:	167	Resp:	62455
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.7	26.5
139	15.6	10.8	16.2

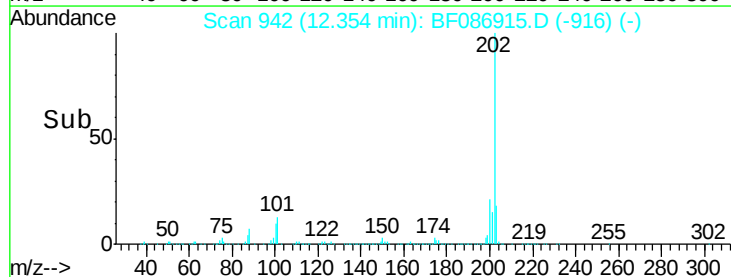
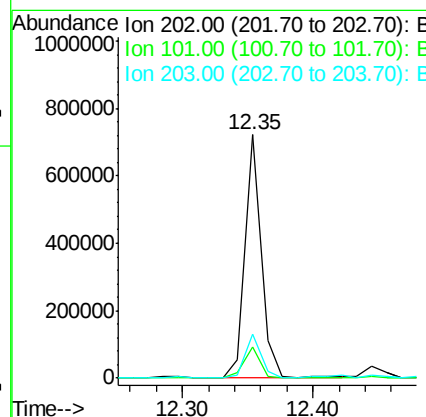
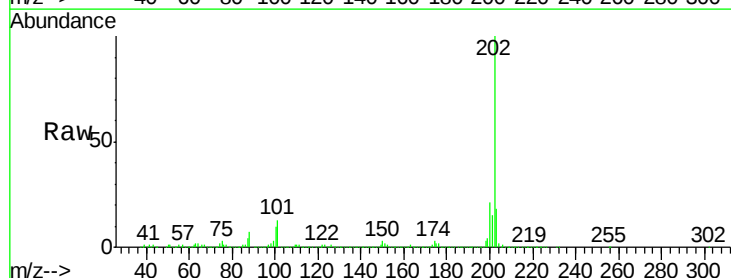
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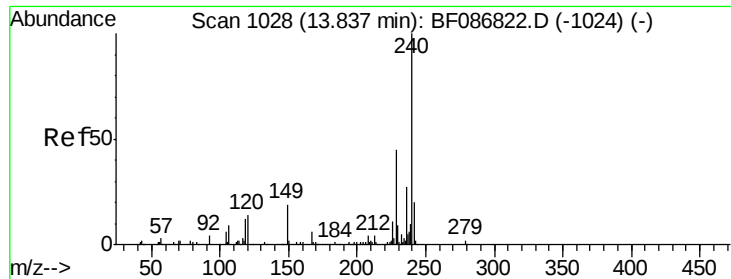
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#74
 Fluoranthene
 Concen: 34.86 ng
 RT: 12.35 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: BF086915.D
 Acq: 12 May 2016 4:20

Tgt Ion:	202	Resp:	616728
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	35.4
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF086915.D

Acq: 12 May 2016 4:20

Instrument :

BNA_F

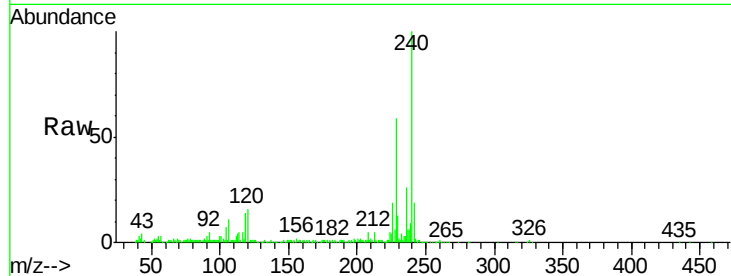
ClientSampleId :

TP30-6-7FT

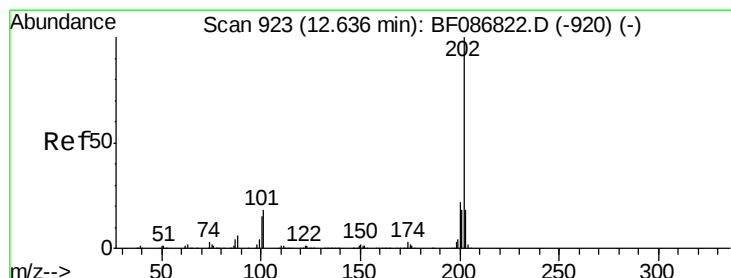
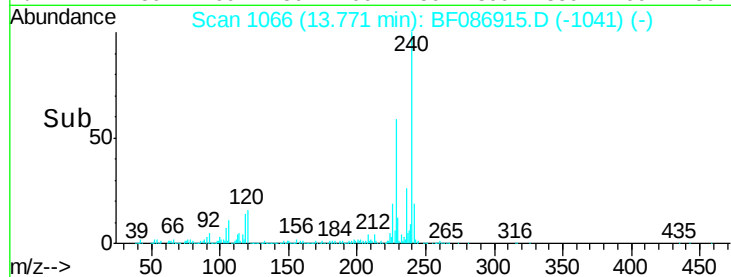
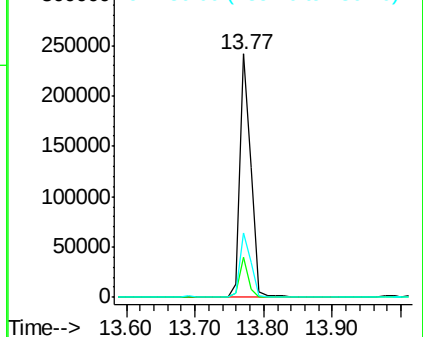
Tgt Ion:	240	Resp:	270608
Ion Ratio	Lower	Upper	
240	100		
120	16.3	11.2	16.8
236	26.5	21.2	31.8

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



#77

Pyrene

Concen: 26.19 ng

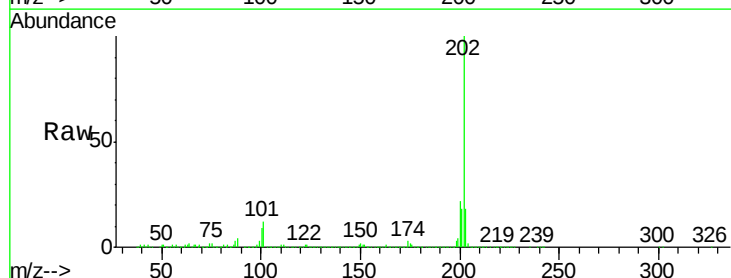
RT: 12.58 min Scan# 962

Delta R.T. -0.00 min

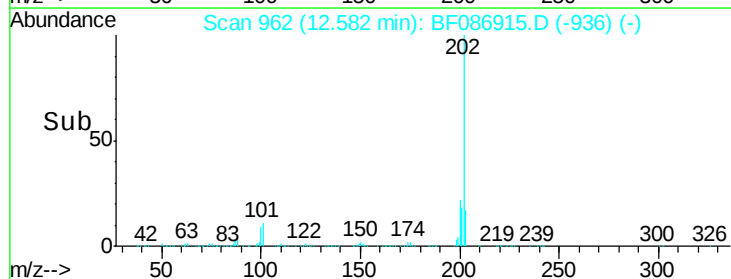
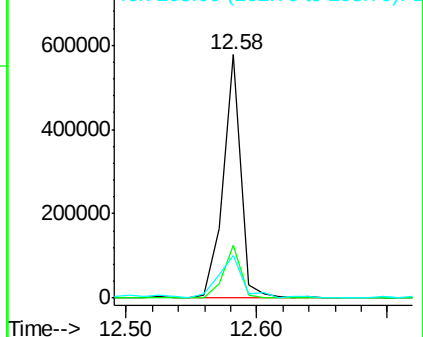
Lab File: BF086915.D

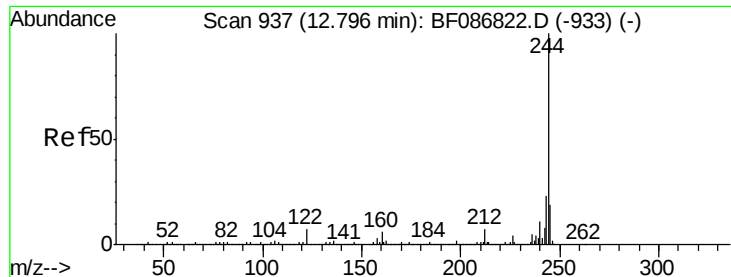
Acq: 12 May 2016 4:20

Tgt Ion:	202	Resp:	542556
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.7	26.5
203	17.6	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





#78

Terphenyl-d14

Concen: 52.94 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF086915.D

Acq: 12 May 2016 4:20

Instrument :

BNA_F

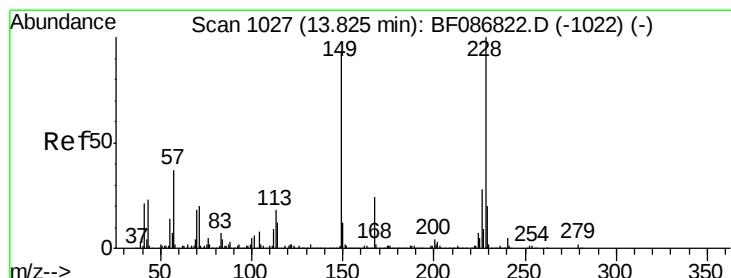
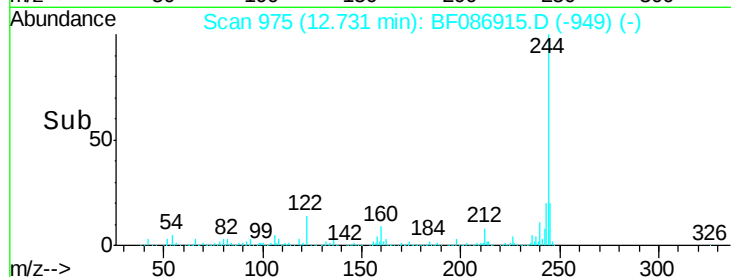
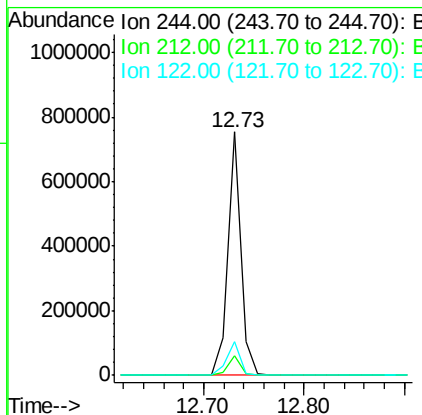
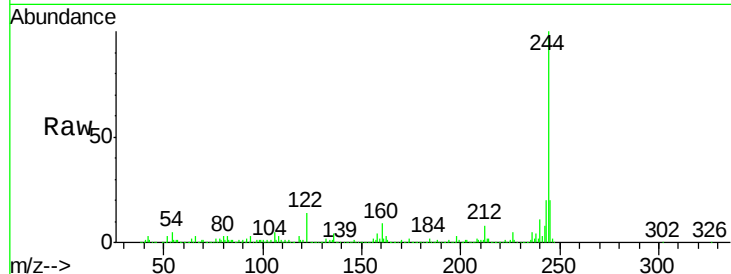
ClientSampleId :

TP30-6-7FT

Tgt Ion:	244	Resp:	675194
Ion Ratio		Lower	Upper
244	100		
212	8.1	6.2	9.2
122	13.9	12.0	18.0

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#80

Benzo(a)anthracene

Concen: 17.33 ng

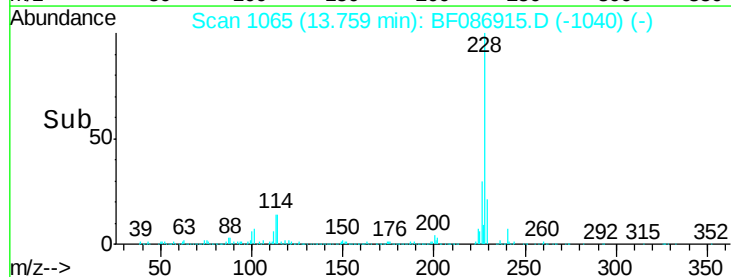
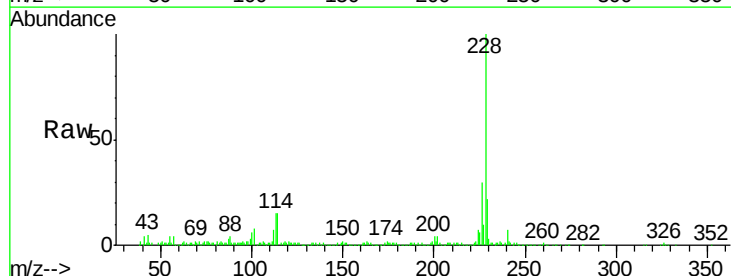
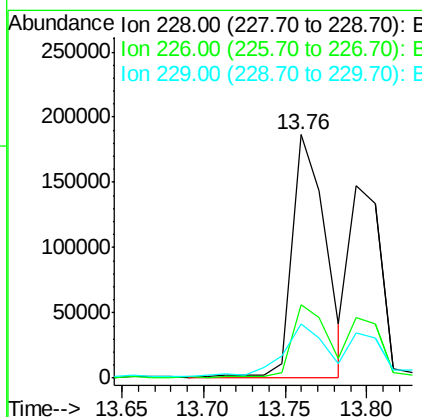
RT: 13.76 min Scan# 1065

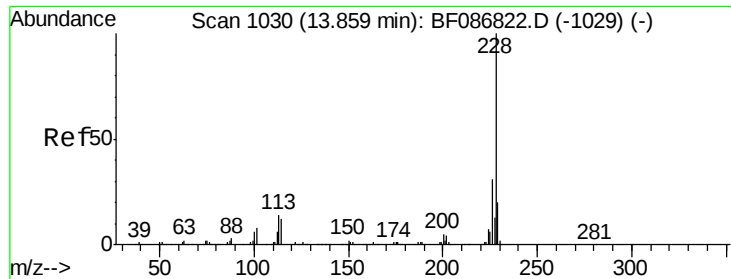
Delta R.T. -0.01 min

Lab File: BF086915.D

Acq: 12 May 2016 4:20

Tgt Ion:	228	Resp:	263331
Ion Ratio		Lower	Upper
228	100		
226	30.2	22.5	33.7
229	22.1	16.6	25.0





#82

Chrysene

Concen: 13.10 ng m

RT: 13.79 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF086915.D

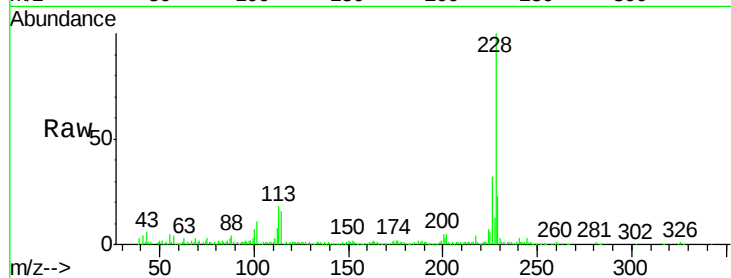
Acq: 12 May 2016 4:20

Instrument :

BNA_F

ClientSampleId :

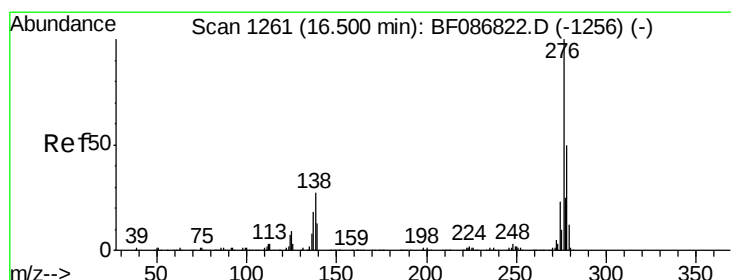
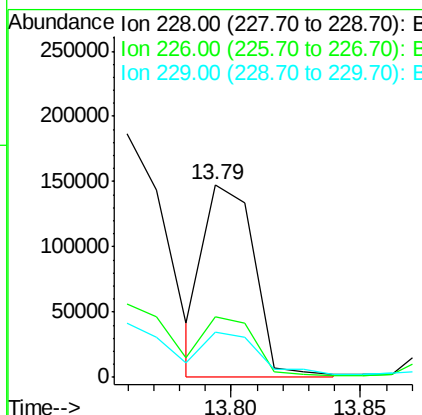
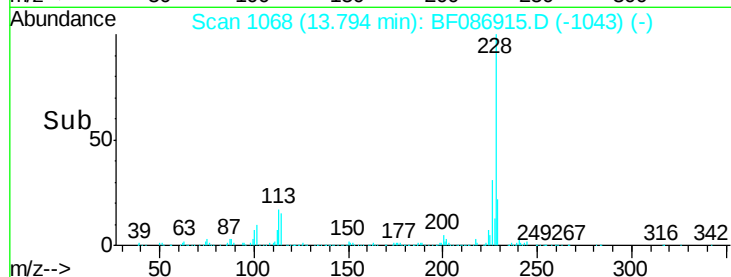
TP30-6-7FT



Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.4	36.6
229	23.5	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.31 ng

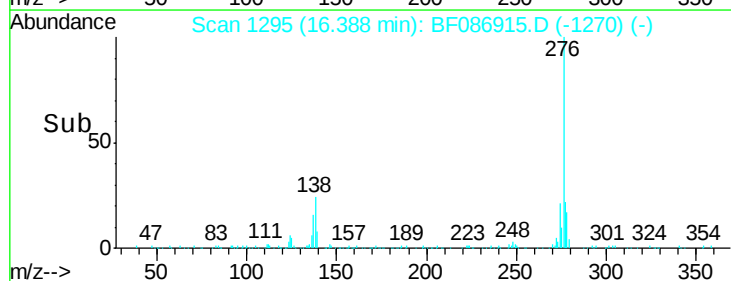
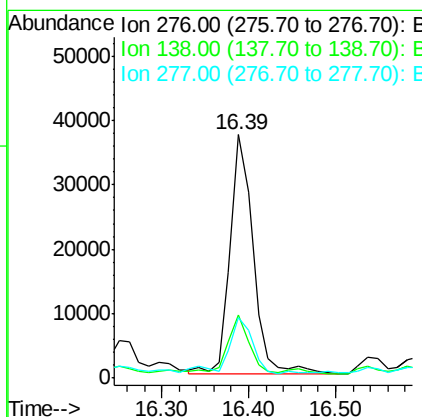
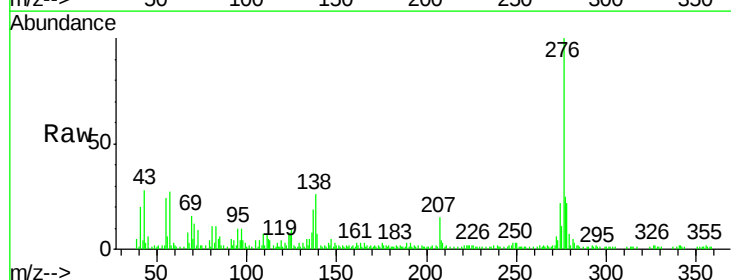
RT: 16.39 min Scan# 1295

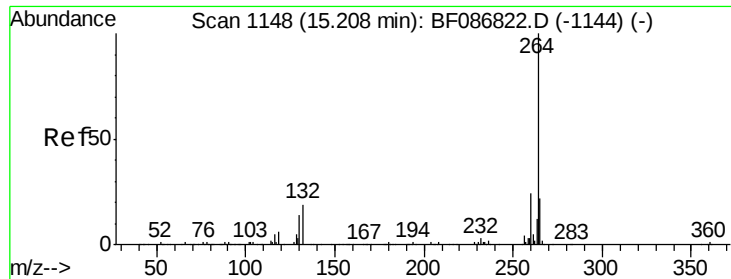
Delta R.T. -0.01 min

Lab File: BF086915.D

Acq: 12 May 2016 4:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	25.6	38.4#
277	23.6	20.5	30.7





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.14 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BF086915.D

Acq: 12 May 2016 4:20

Instrument :

BNA_F

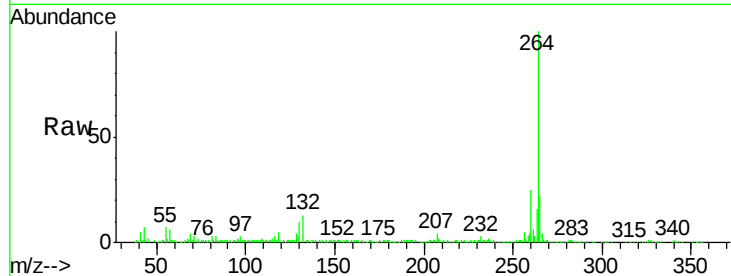
ClientSampleId :

TP30-6-7FT

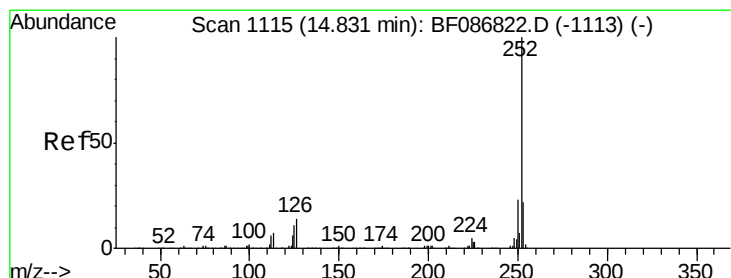
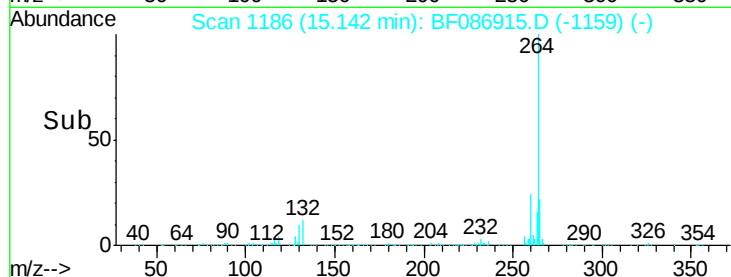
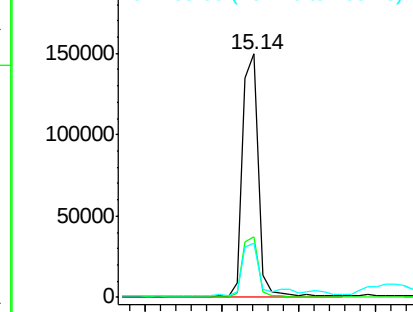
Tgt Ion:	264	Resp:	217337
Ion Ratio		Lower	Upper
264	100		
260	24.6	19.5	29.3
265	22.3	17.3	25.9

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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: 18.13 ng m

RT: 14.77 min Scan# 1153

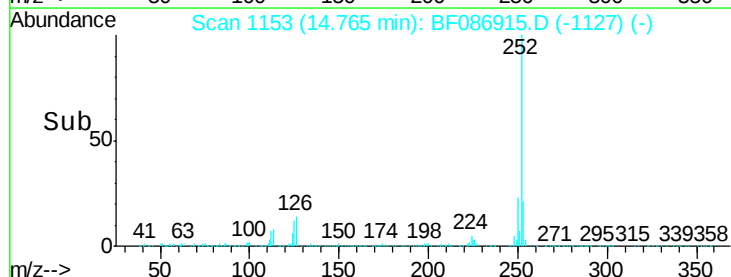
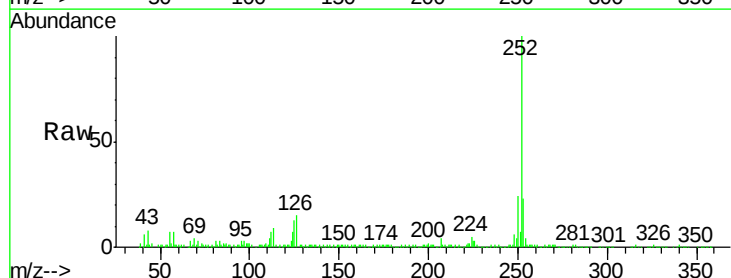
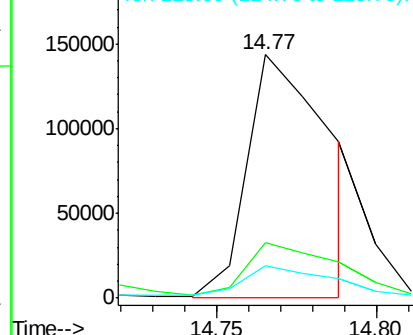
Delta R.T. -0.00 min

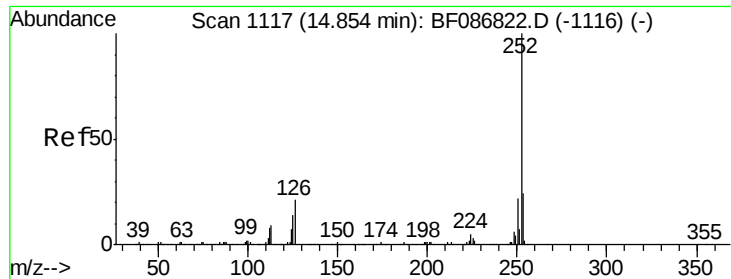
Lab File: BF086915.D

Acq: 12 May 2016 4:20

Tgt Ion:	252	Resp:	256081
Ion Ratio		Lower	Upper
252	100		
253	22.7	17.8	26.6
125	13.2	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





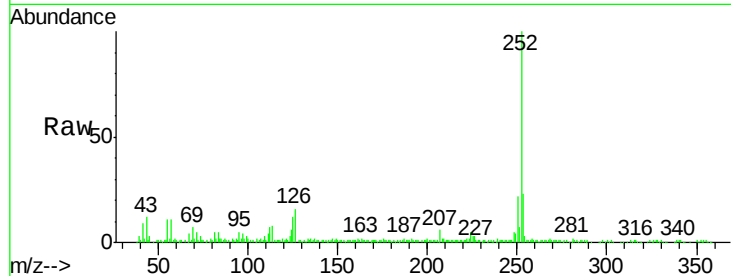
#88
Benzo(k)fluoranthene
Concen: 2.30 ng m
RT: 14.79 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF086915.D
Acq: 12 May 2016 4:20

Instrument :
BNA_F
ClientSampleId :
TP30-6-7FT

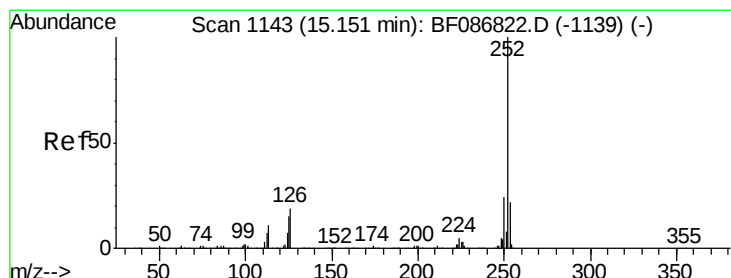
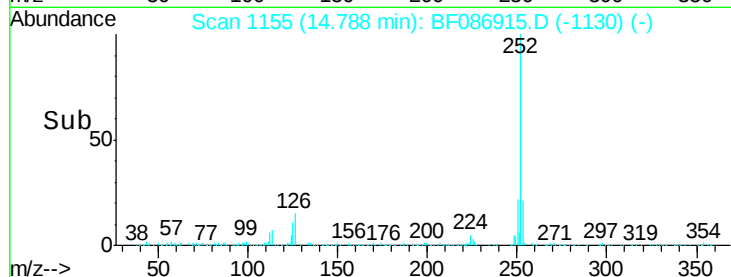
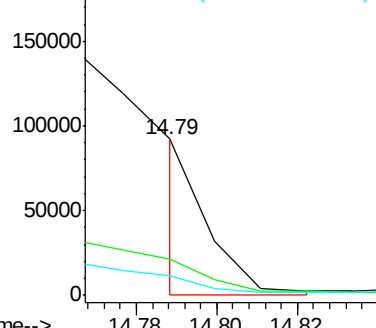
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	26560		
253	23.1	17.8	26.6	
125	12.5	9.1	13.7	

Manual Integrations
APPROVED

sohil
5/12/2016 9:09:10 AM

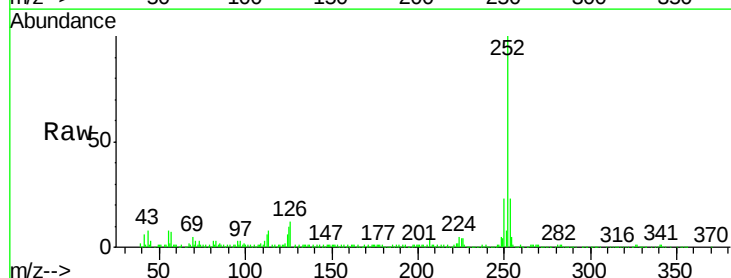


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

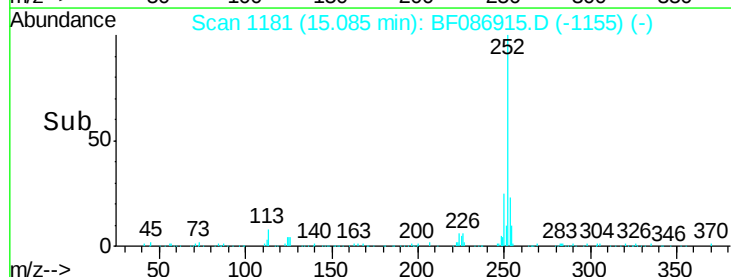
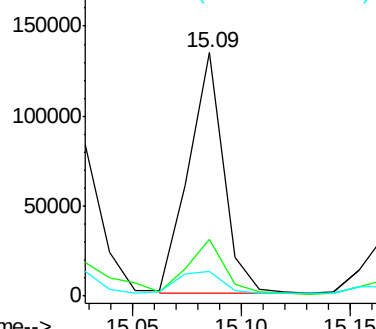


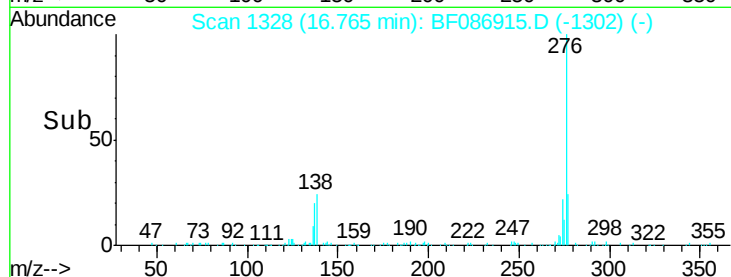
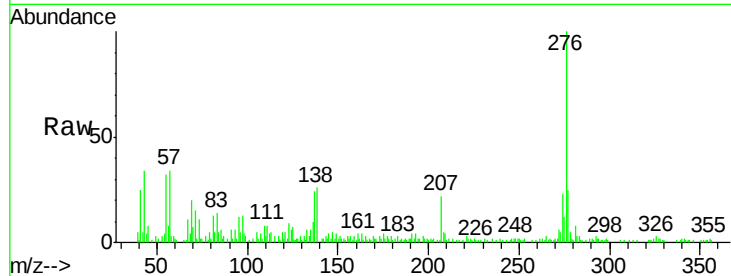
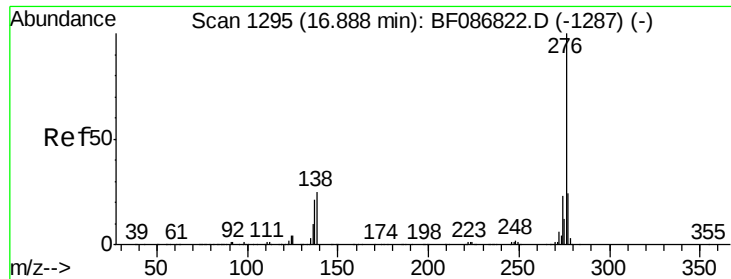
#89
Benzo(a)pyrene
Concen: 12.17 ng
RT: 15.09 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BF086915.D
Acq: 12 May 2016 4:20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	148316		
253	23.1	17.2	25.8	
125	9.9	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(g,h,i)perylene

Concen: 5.37 ng

RT: 16.77 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF086915.D

Acq: 12 May 2016 4:20

Tgt Ion:	276	Resp:	56052
Ion Ratio		Lower	Upper
276	100		
277	25.3	19.6	29.4
138	26.2	23.6	35.4

Instrument :

BNA_F

ClientSampleId :

TP30-6-7FT

Manual Integrations
APPROVED

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5/12/2016 9:09:10 AM

