

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
 Data File : BF086924.D
 Acq On : 12 May 2016 10:16
 Operator : UM/SJ
 Sample : H2895-08DL 2X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUPA-050316DL

Manual Integrations
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Quant Time: May 12 16:04:49 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 15:26:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	179938	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	702435	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	280992	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	417583	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	396729	20.00	ng	-0.01
86) Perylene-d12	15.14	264	317688	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	580292	54.62	ng	-0.01
7) Phenol-d6	6.30	99	732655	51.59	ng	-0.02
23) Nitrobenzene-d5	7.20	82	464686	33.22	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	114298	38.42	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	634080	37.93	ng	-0.01
78) Terphenyl-d14	12.73	244	476244	25.47	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.53	152	141858	5.51	ng	99
49) Dimethylphthalate	9.40	163	107079	4.99	ng	# 97
70) Phenanthrene	11.16	178	549224	24.65	ng	100
71) Anthracene	11.22	178	174043	7.64	ng	98
72) Carbazole	11.38	167	45067	2.30	ng	98
74) Fluoranthene	12.35	202	986323	43.03	ng	97
77) Pyrene	12.58	202	904600	29.78	ng	100
80) Benzo(a)anthracene	13.77	228	572031	25.68	ng	# 87
82) Chrysene	13.81	228	442940m	19.55	ng	
85) Indeno(1,2,3-cd)pyrene	16.39	276	158891m	8.43	ng	
87) Benzo(b)fluoranthene	14.77	252	434238m	21.03	ng	
88) Benzo(k)fluoranthene	14.78	252	204985m	12.13	ng	
89) Benzo(a)pyrene	15.09	252	288842	16.22	ng	96
90) Dibenzo(a,h)anthracene	16.40	278	41359m	2.76	ng	
91) Benzo(g,h,i)perylene	16.77	276	124482	8.16	ng	# 94

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

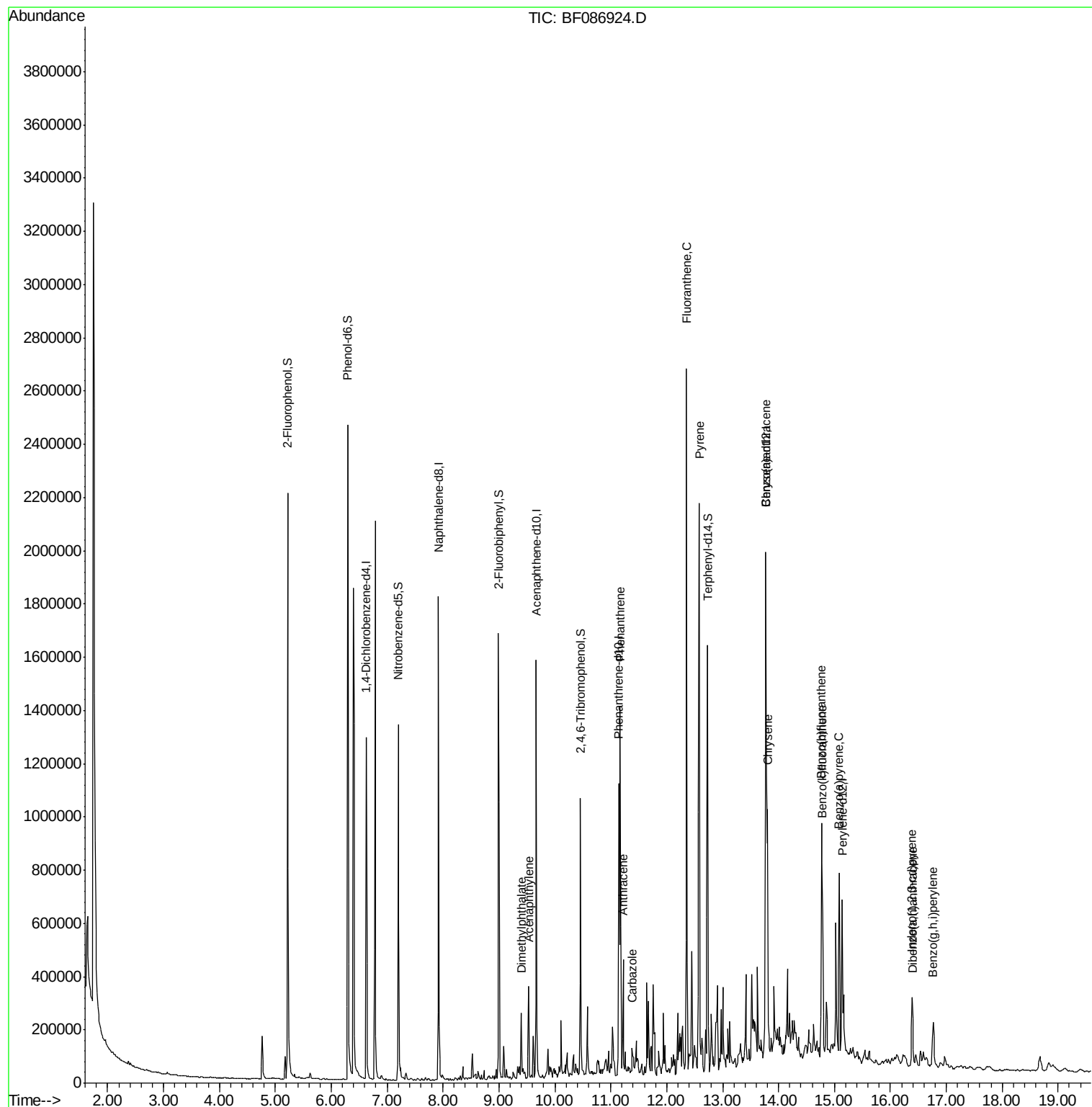
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086924.D
Acq On : 12 May 2016 10:16
Operator : UM/SJ
Sample : H2895-08DL 2X
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ALS Vial : 46 Sample Multiplier: 1

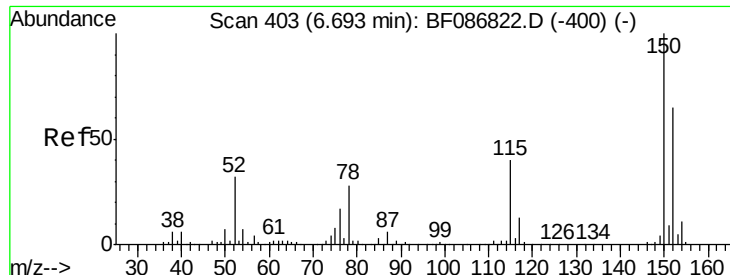
Instrument :
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Quant Time: May 12 16:04:49 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

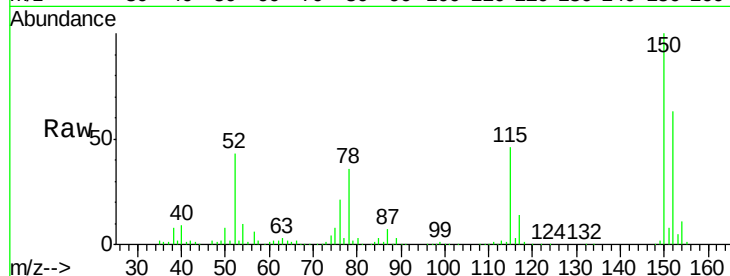
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF086924.D
Acq: 12 May 2016 10:16

Instrument :
BNA_F
ClientSampleId :
DUPA-050316DL

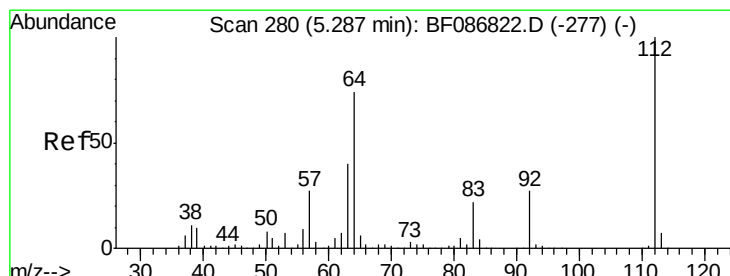
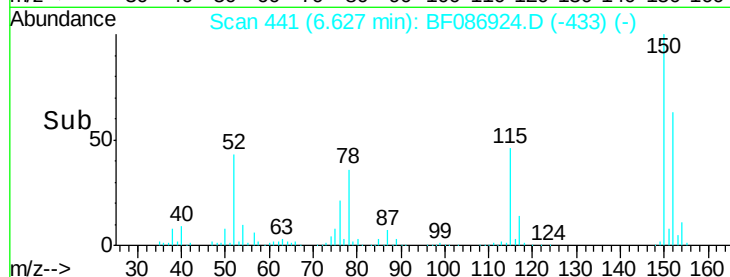
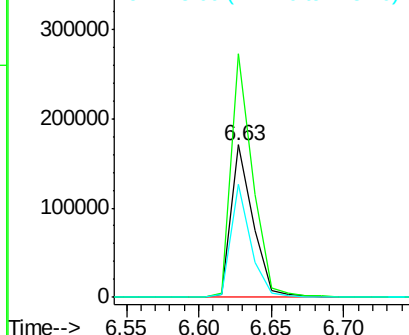
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	179938		
150	159.8	125.8	188.6	
115	73.9	51.5	77.3	

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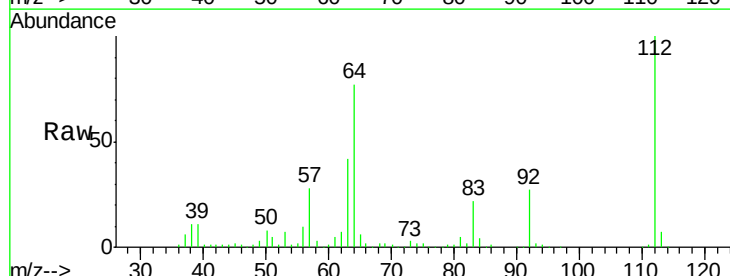
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



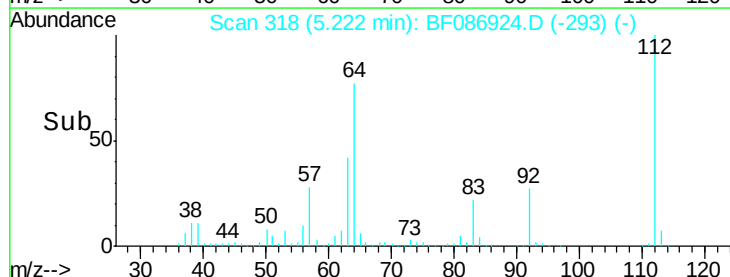
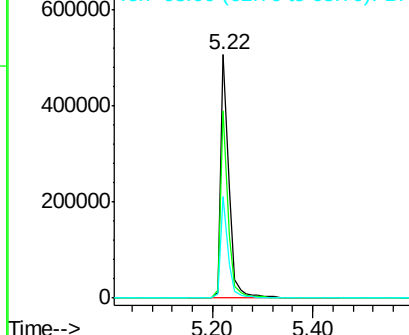
#5

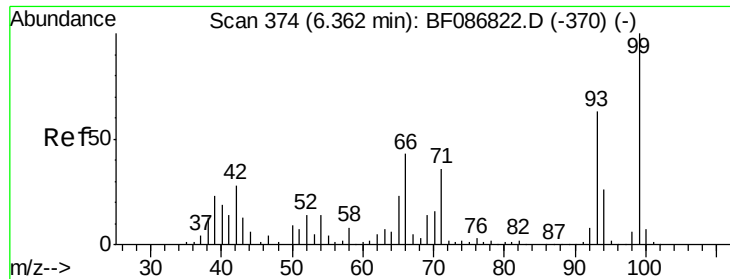
2-Fluorophenol
Concen: 54.62 ng
RT: 5.22 min Scan# 318
Delta R.T. -0.01 min
Lab File: BF086924.D
Acq: 12 May 2016 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	580292		
64	76.8	52.1	78.1	
63	41.6	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: 51.59 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.02 min

Lab File: BF086924.D

Acq: 12 May 2016 10:16

Instrument :

BNA_F

ClientSampleId :

DUPA-050316DL

Tgt Ion: 99 Resp: 732655

Ion Ratio Lower Upper

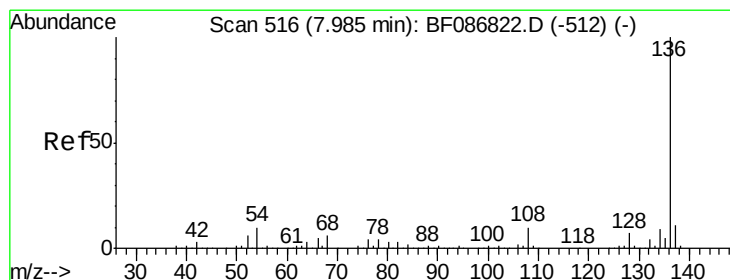
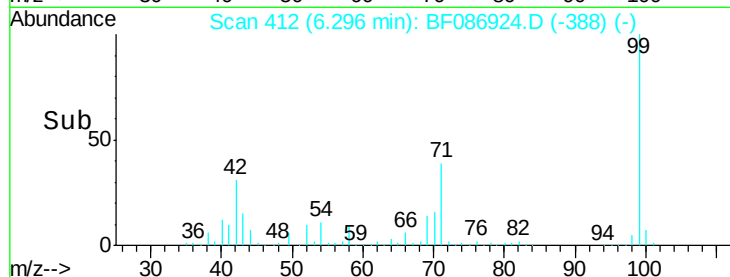
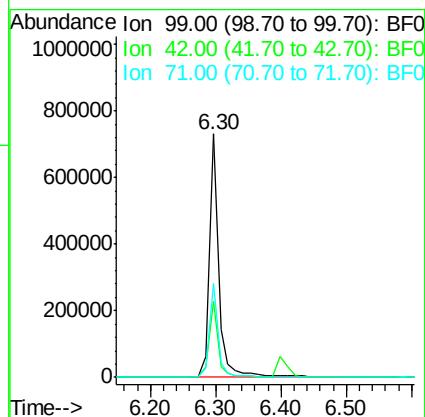
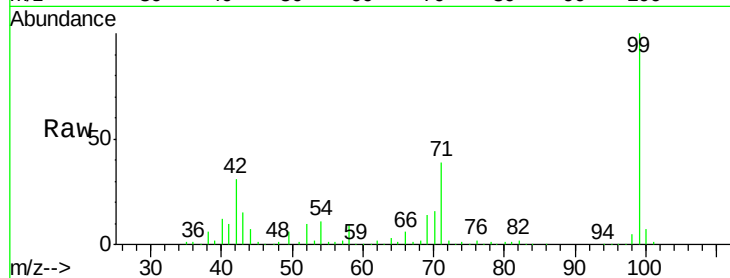
99 100

42 31.0 13.6 20.4#

71 38.6 24.6 36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF086924.D

Acq: 12 May 2016 10:16

Tgt Ion: 136 Resp: 702435

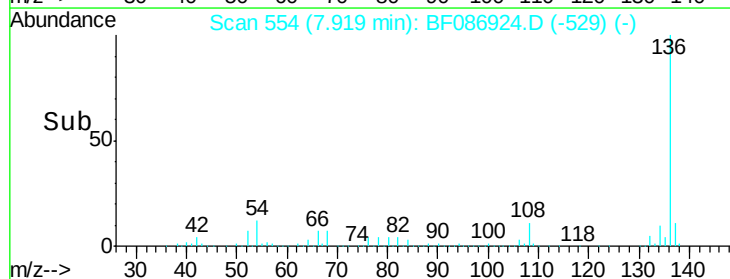
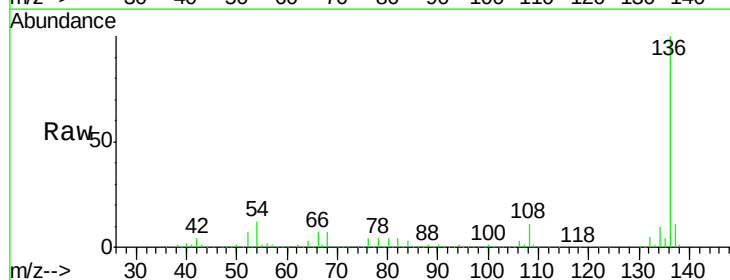
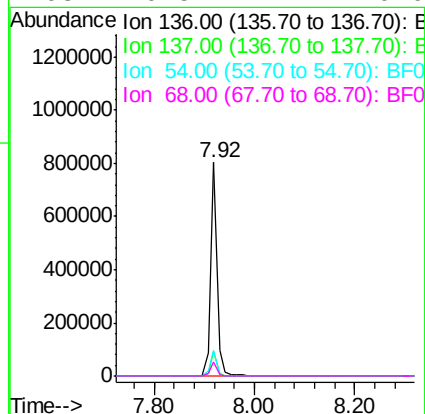
Ion Ratio Lower Upper

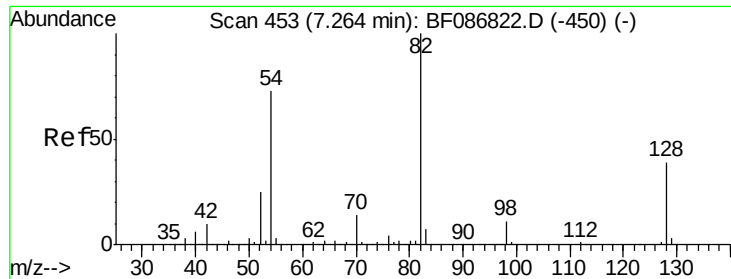
136 100

137 11.3 8.8 13.2

54 12.3 5.0 7.4#

68 6.5 4.4 6.6





#23

Nitrobenzene-d5

Concen: 33.22 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.02 min

Lab File: BF086924.D

Acq: 12 May 2016 10:16

Instrument :

BNA_F

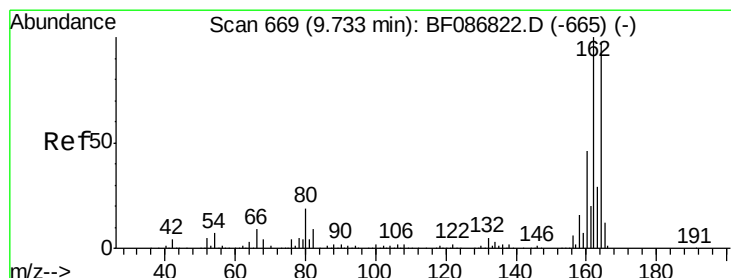
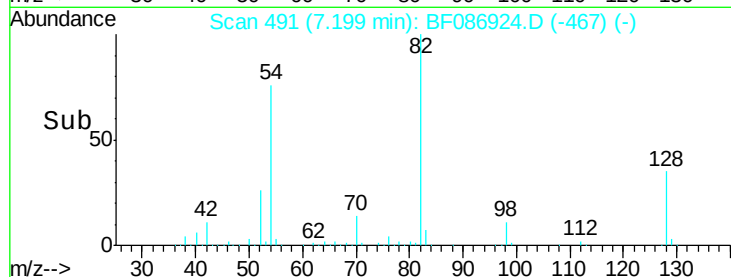
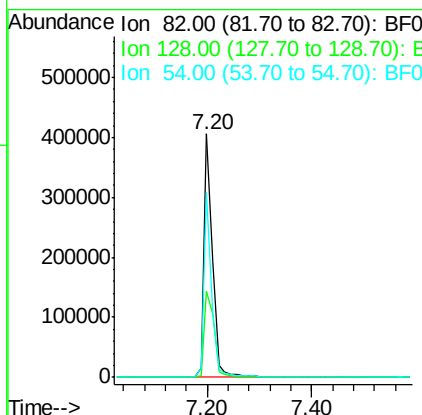
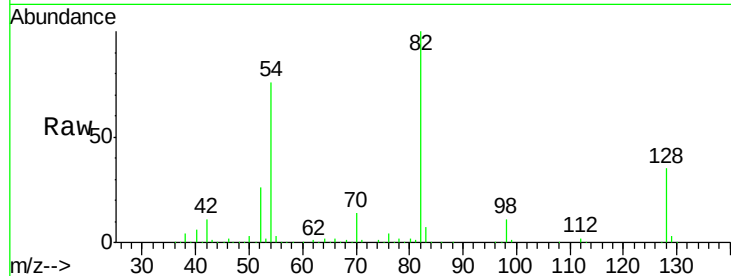
ClientSampleId :

DUPA-050316DL

Tgt Ion:	82	Resp:	464686
Ion Ratio	Lower	Upper	
82	100		
128	35.5	40.6	61.0#
54	75.7	38.1	57.1#

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#38

Acenaphthene-d10

Concen: 20.00 ng

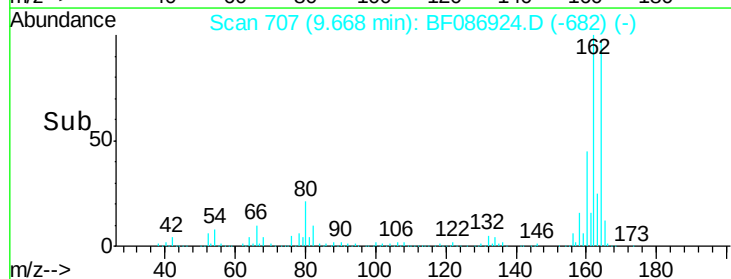
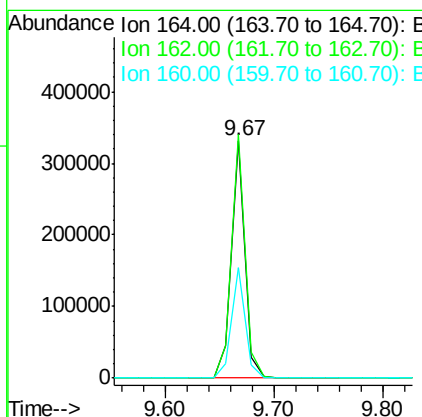
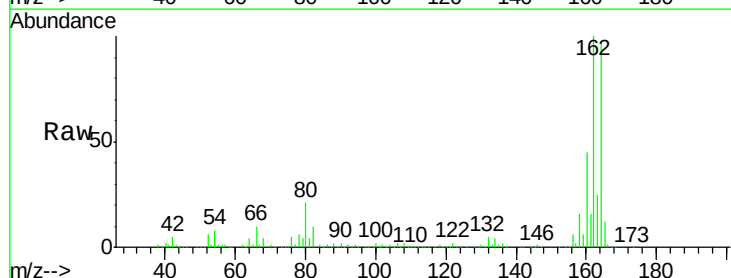
RT: 9.67 min Scan# 707

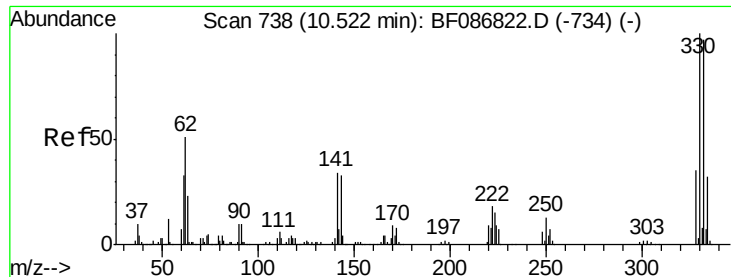
Delta R.T. -0.01 min

Lab File: BF086924.D

Acq: 12 May 2016 10:16

Tgt Ion:	164	Resp:	280992
Ion Ratio	Lower	Upper	
164	100		
162	102.6	82.8	124.2
160	46.6	36.9	55.3





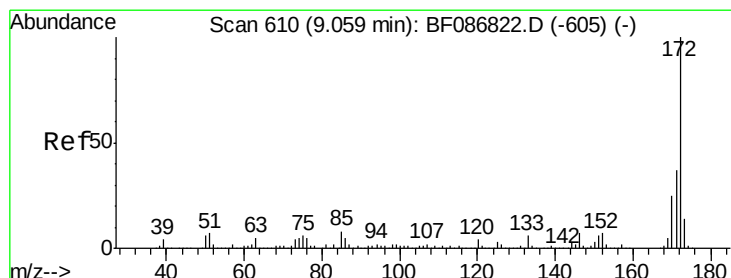
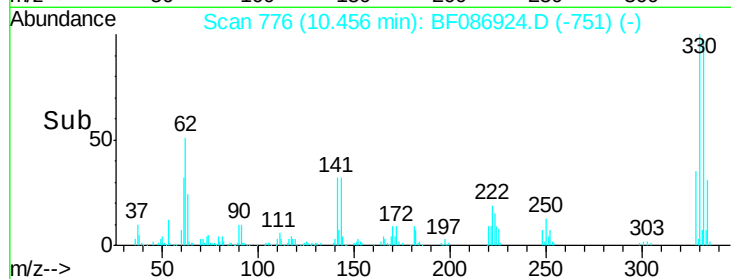
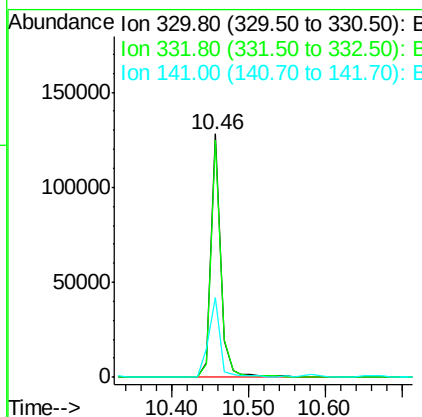
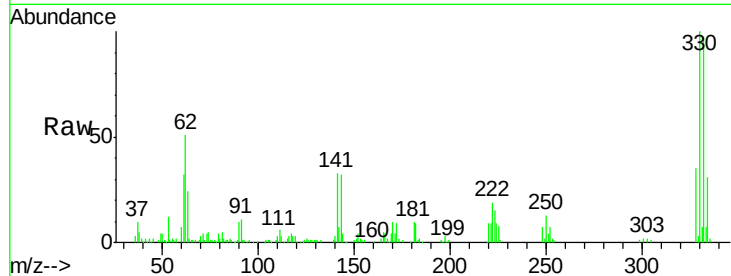
#41
 2,4,6-Tribromophenol
 Concen: 38.42 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: BF086924.D
 Acq: 12 May 2016 10:16

Instrument :
 BNA_F
 ClientSampleId :
 DUPA-050316DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	114298		
332	97.2	79.0	118.4	
141	39.4	31.2	46.8	

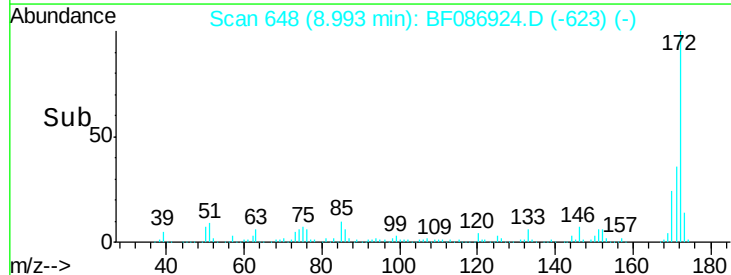
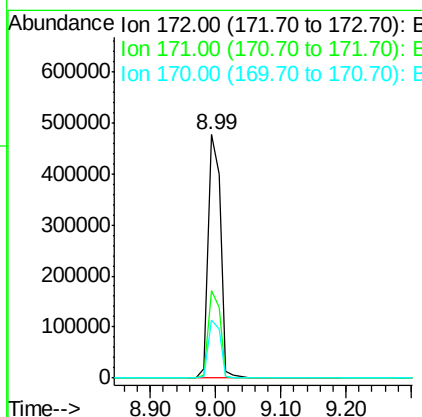
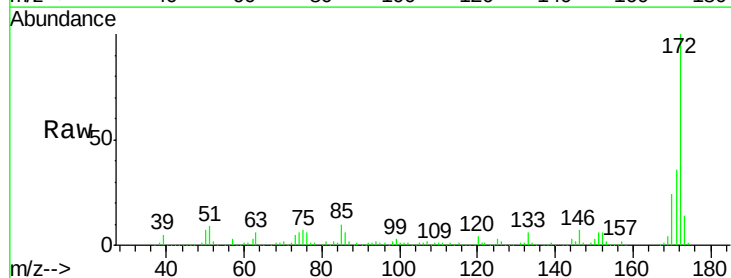
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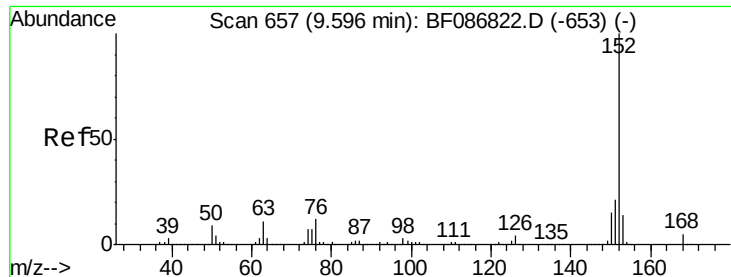
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#44
 2-Fluorobiphenyl
 Concen: 37.93 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF086924.D
 Acq: 12 May 2016 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	634080		
171	35.8	29.0	43.6	
170	23.9	19.8	29.8	





#48

Acenaphthylene

Concen: 5.51 ng

RT: 9.53 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF086924.D

Acq: 12 May 2016 10:16

Instrument :

BNA_F

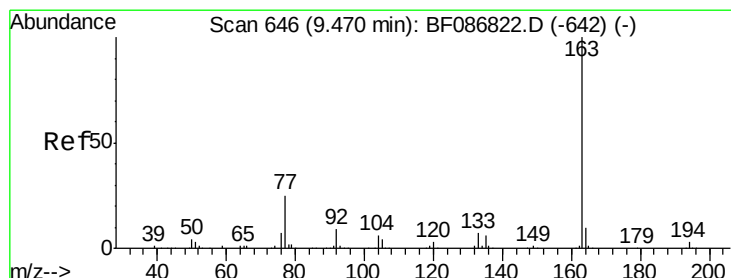
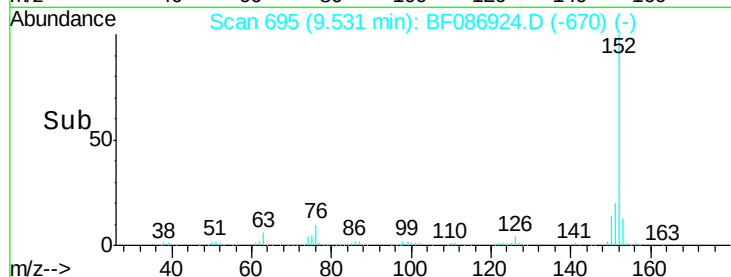
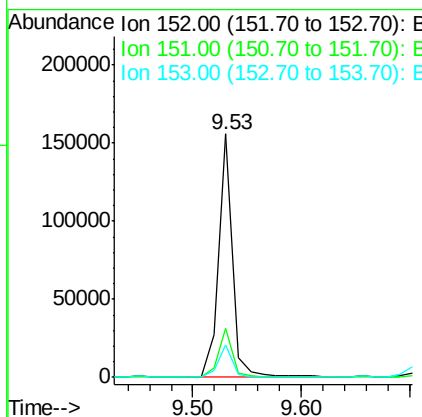
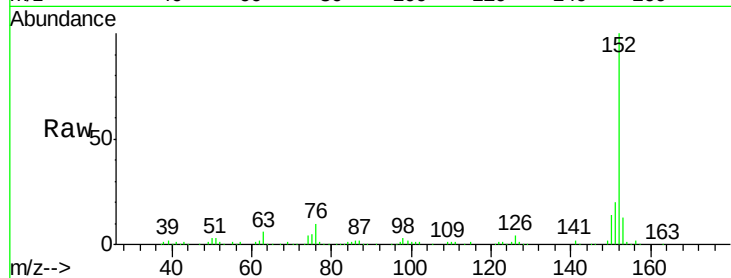
ClientSampleId :

DUPA-050316DL

Tgt Ion:	152	Resp:	141858
Ion Ratio		Lower	Upper
152	100		
151	20.2	16.8	25.2
153	13.5	10.9	16.3

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#49

Dimethylphthalate

Concen: 4.99 ng

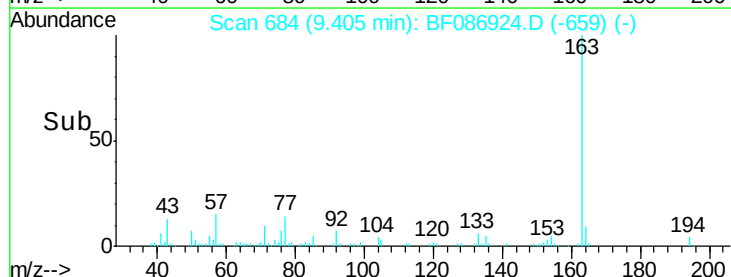
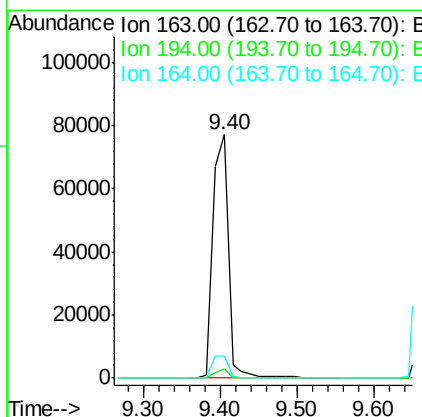
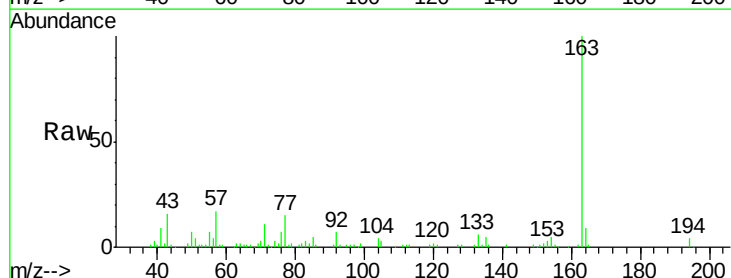
RT: 9.40 min Scan# 684

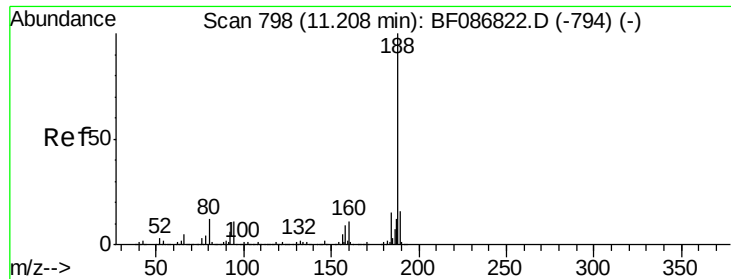
Delta R.T. -0.01 min

Lab File: BF086924.D

Acq: 12 May 2016 10:16

Tgt Ion:	163	Resp:	107079
Ion Ratio		Lower	Upper
163	100		
194	4.1	2.6	4.0#
164	9.2	8.2	12.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF086924.D

Acq: 12 May 2016 10:16

Instrument :

BNA_F

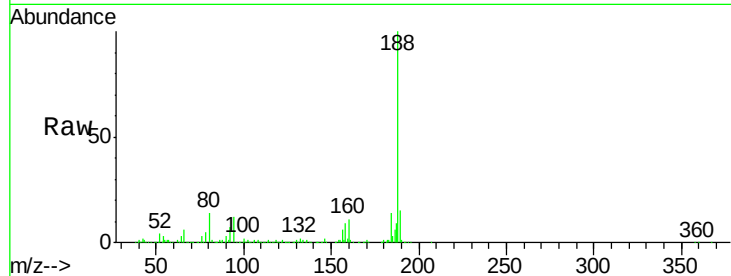
ClientSampleId :

DUPA-050316DL

Tgt Ion:	188	Resp:	417583
Ion Ratio	Lower	Upper	
188	100		
94	12.3	6.8	10.2#
80	14.3	7.1	10.7#

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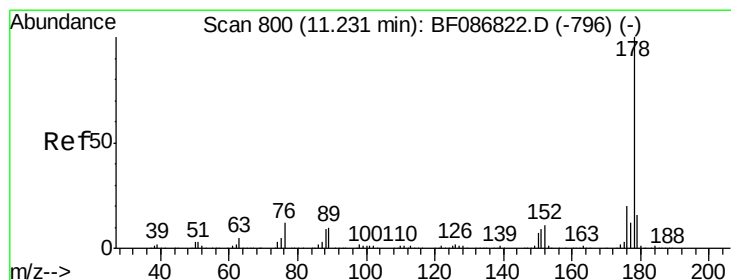
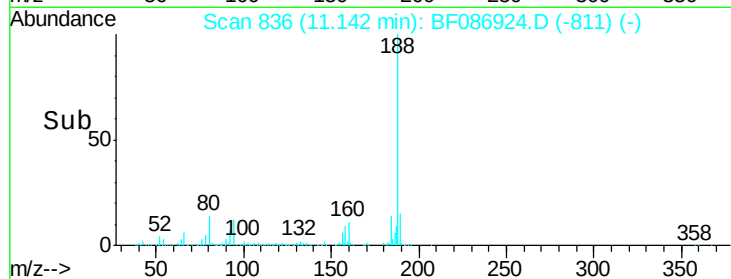
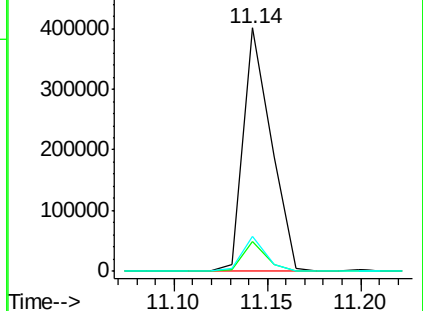
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 24.65 ng

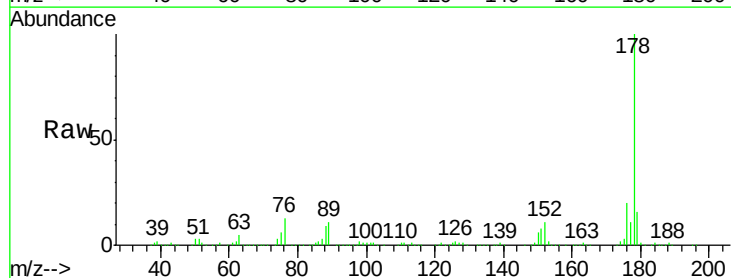
RT: 11.16 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF086924.D

Acq: 12 May 2016 10:16

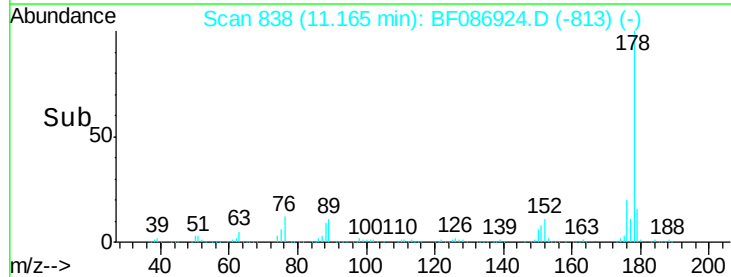
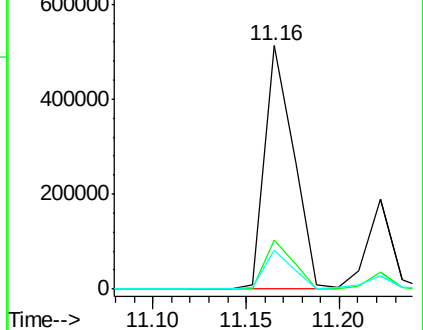
Tgt Ion:	178	Resp:	549224
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.0	24.0
179	16.1	12.6	18.8

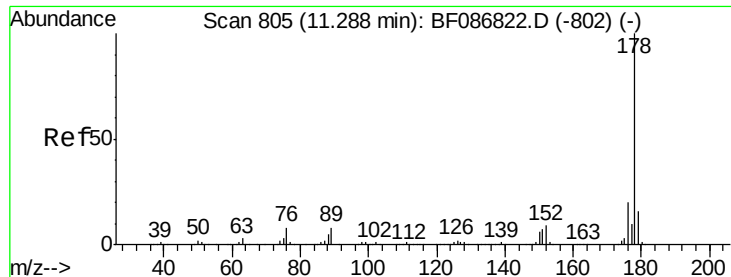


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 7.64 ng

RT: 11.22 min Scan# 843

Delta R.T. 0.00 min

Lab File: BF086924.D

Acq: 12 May 2016 10:16

Instrument :

BNA_F

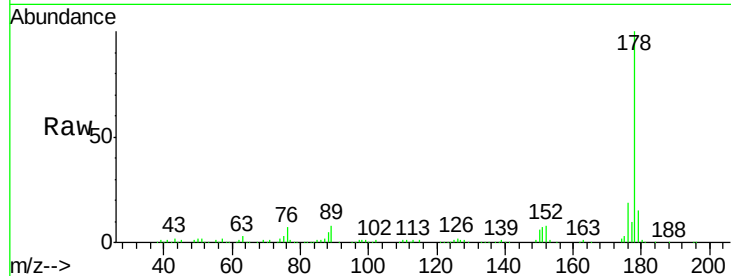
ClientSampleId :

DUPA-050316DL

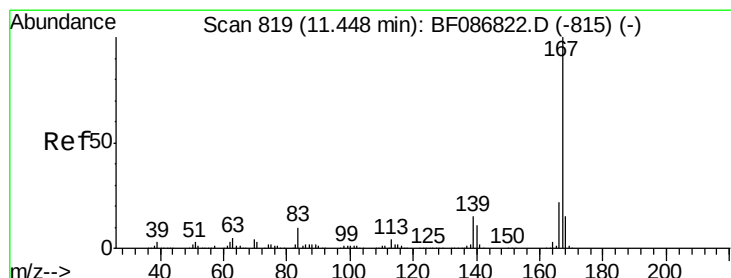
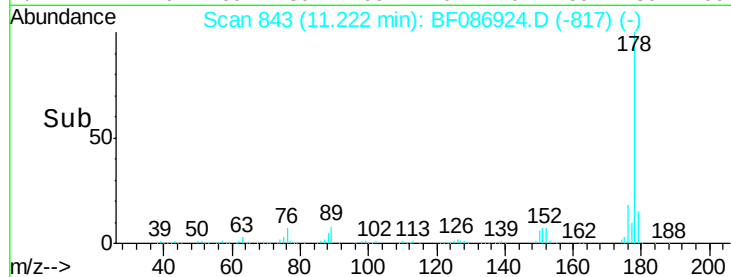
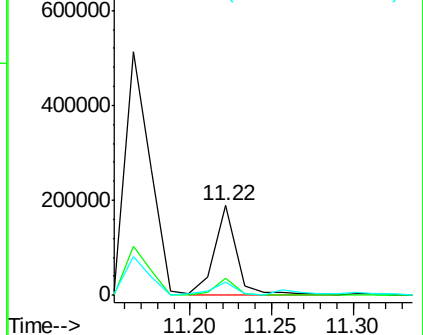
Tgt Ion:	178	Resp:	174043
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.6	23.4
179	15.0	12.7	19.1

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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



#72

Carbazole

Concen: 2.30 ng

RT: 11.38 min Scan# 857

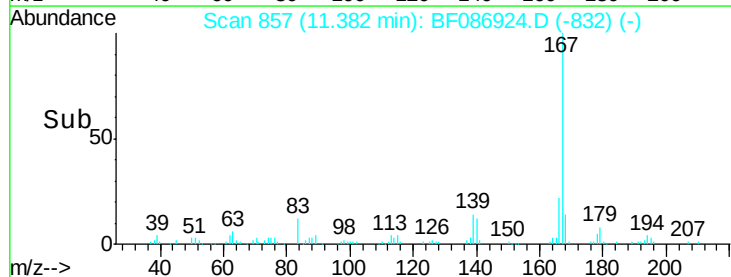
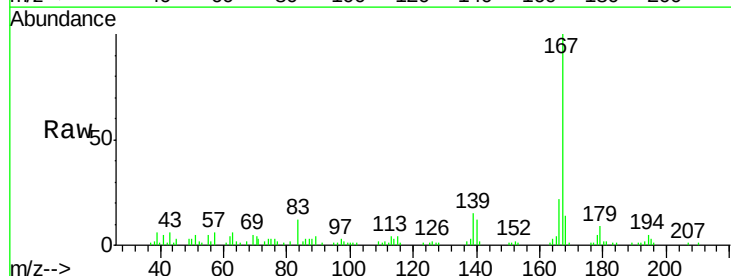
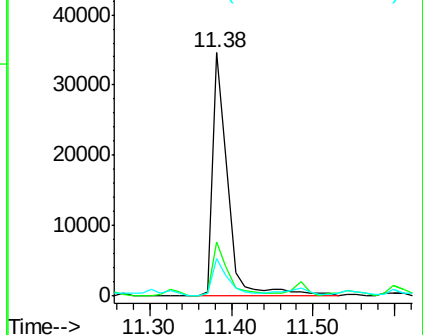
Delta R.T. -0.01 min

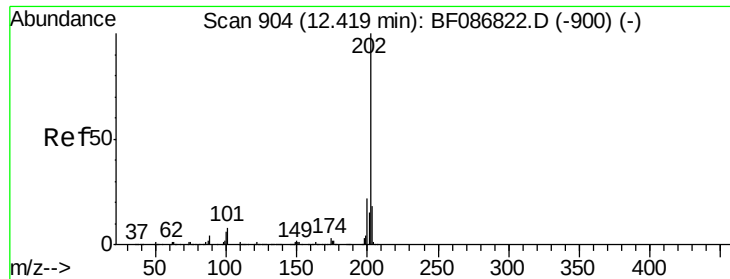
Lab File: BF086924.D

Acq: 12 May 2016 10:16

Tgt Ion:	167	Resp:	45067
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.7	26.5
139	15.3	10.8	16.2

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





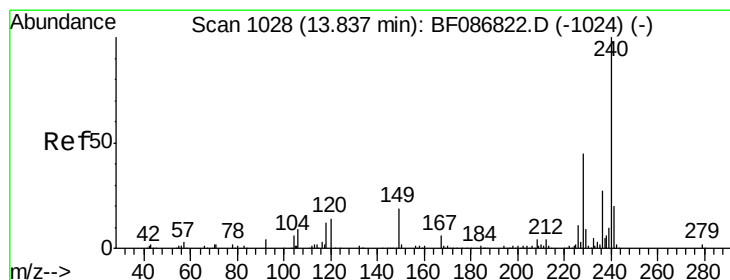
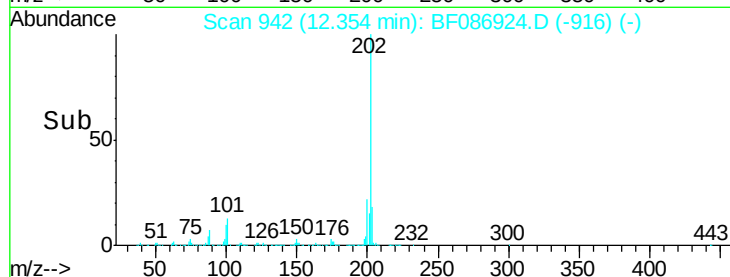
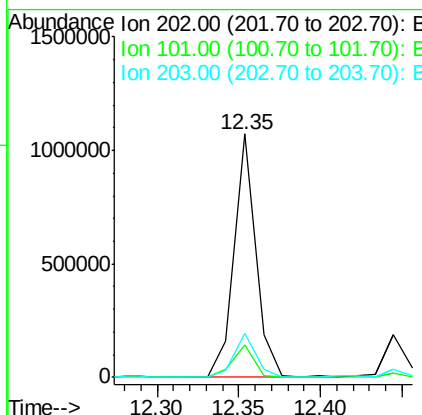
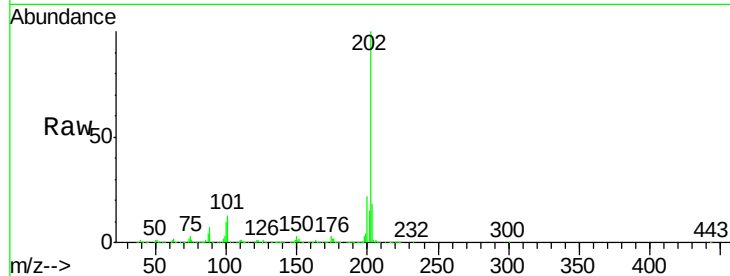
#74
Fluoranthene
Concen: 43.03 ng
RT: 12.35 min Scan# 942
Delta R.T. 0.00 min
Lab File: BF086924.D
Acq: 12 May 2016 10:16

Instrument :
BNA_F
ClientSampleId :
DUPA-050316DL

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		986323		
101	13.3	0.0	35.4		
203	17.9	0.0	38.1		

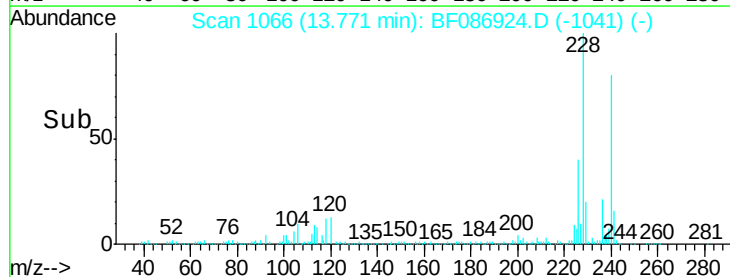
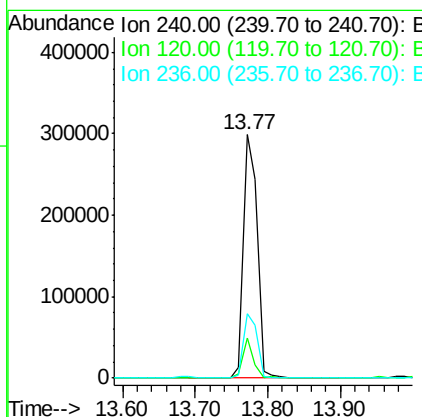
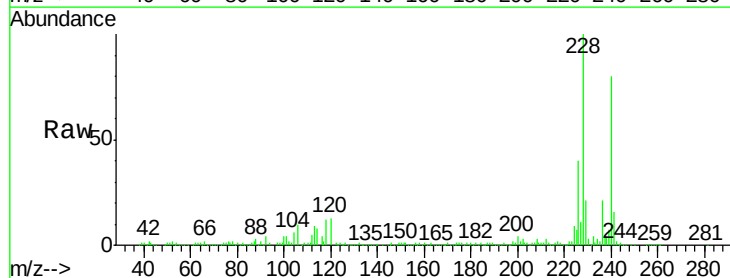
Manual Integrations
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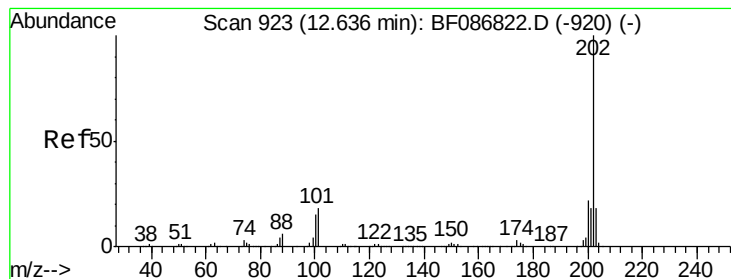
sohil
5/12/2016 7:00:44 PM



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.77 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BF086924.D
Acq: 12 May 2016 10:16

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		396729		
120	16.7	11.2	16.8		
236	26.3	21.2	31.8		





#77

Pyrene

Concen: 29.78 ng

RT: 12.58 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF086924.D

Acq: 12 May 2016 10:16

Instrument :

BNA_F

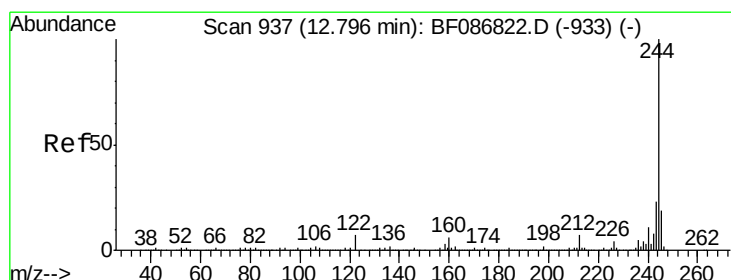
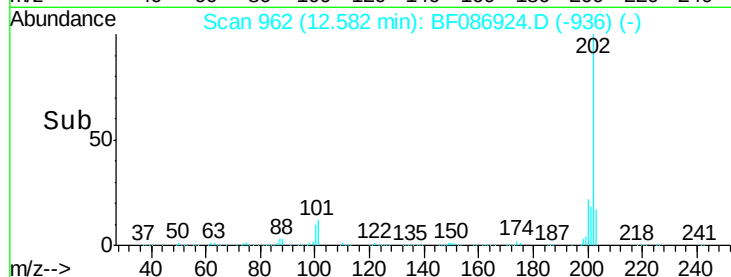
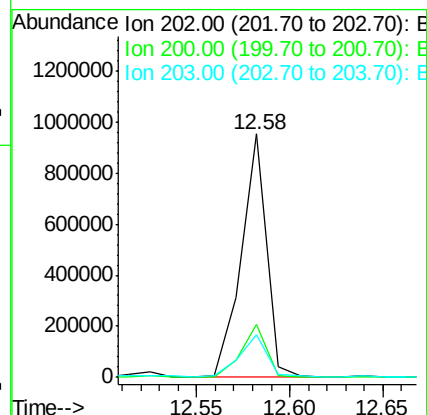
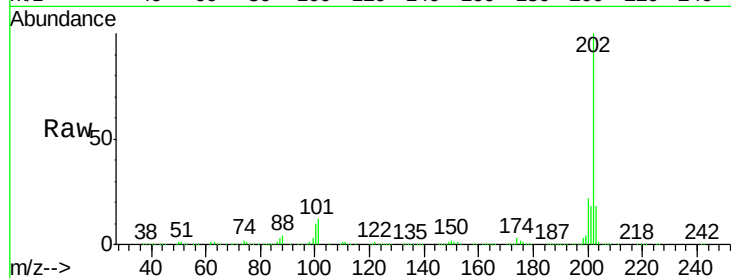
ClientSampleId :

DUPA-050316DL

Tgt Ion:	202	Resp:	904600
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.7	26.5
203	17.7	14.2	21.4

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#78

Terphenyl-d14

Concen: 25.47 ng

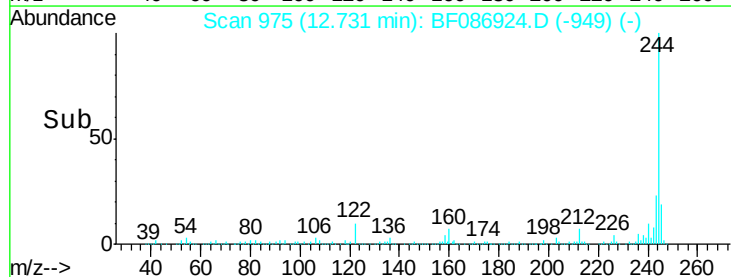
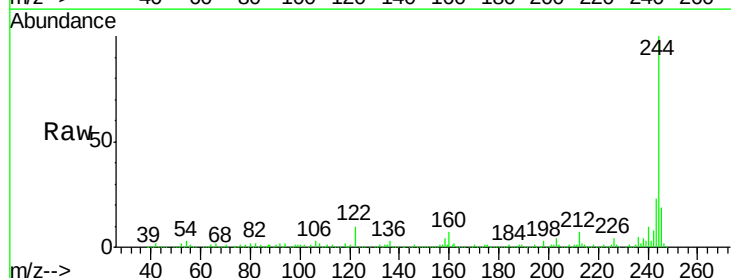
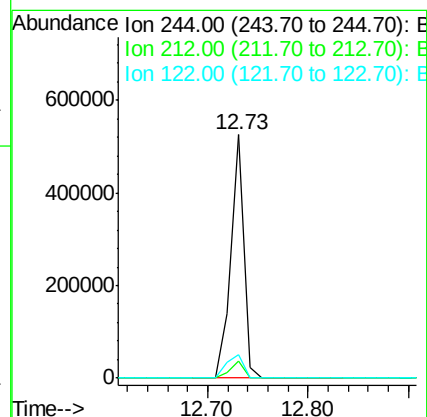
RT: 12.73 min Scan# 975

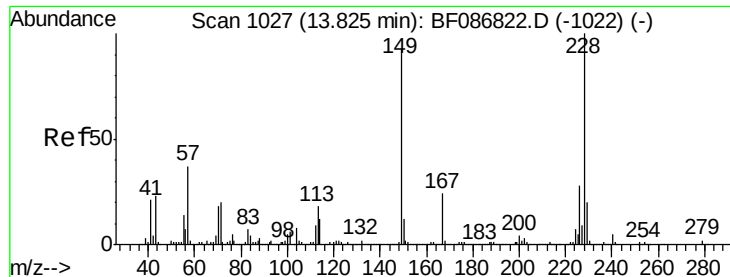
Delta R.T. 0.00 min

Lab File: BF086924.D

Acq: 12 May 2016 10:16

Tgt Ion:	244	Resp:	476244
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.2	9.2
122	9.9	12.0	18.0#





#80

Benzo(a)anthracene

Concen: 25.68 ng

RT: 13.77 min Scan# 1066

Delta R.T. 0.00 min

Lab File: BF086924.D

Acq: 12 May 2016 10:16

Instrument :

BNA_F

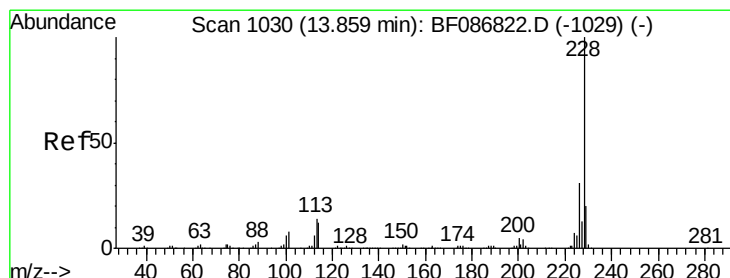
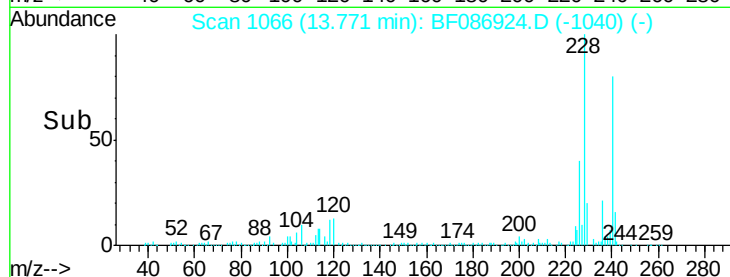
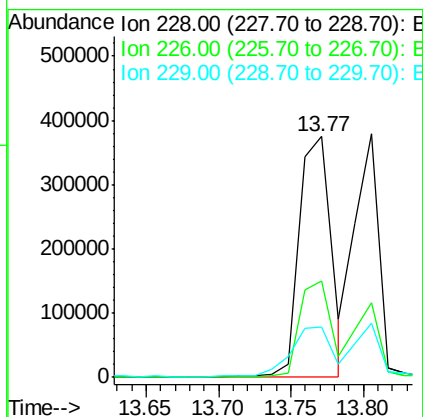
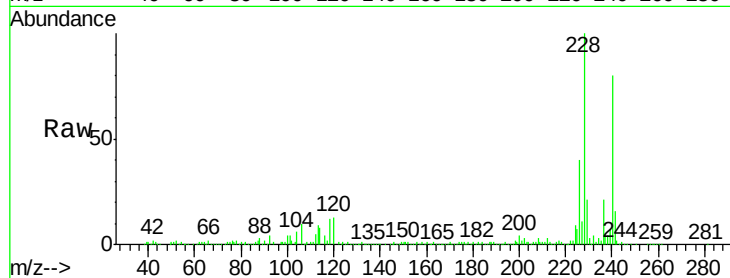
ClientSampleId :

DUPA-050316DL

Tgt Ion:	228	Resp:	572031
Ion Ratio	Lower	Upper	
228	100		
226	40.0	22.5	33.7#
229	20.7	16.6	25.0

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#82

Chrysene

Concen: 19.55 ng m

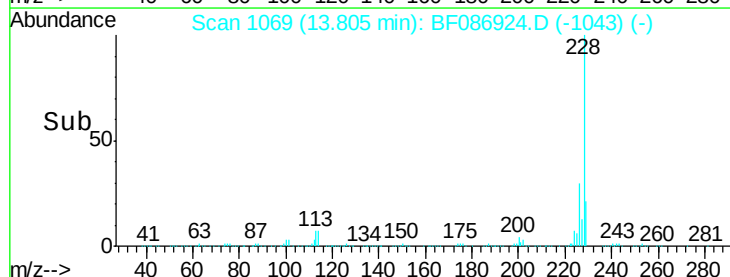
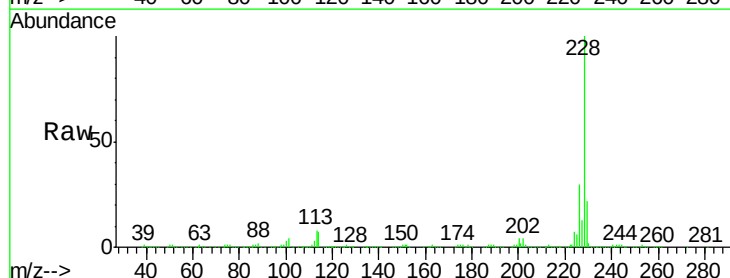
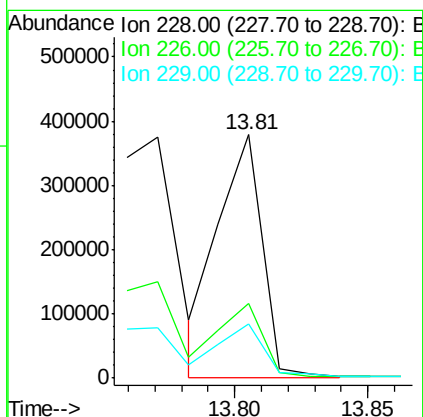
RT: 13.81 min Scan# 1069

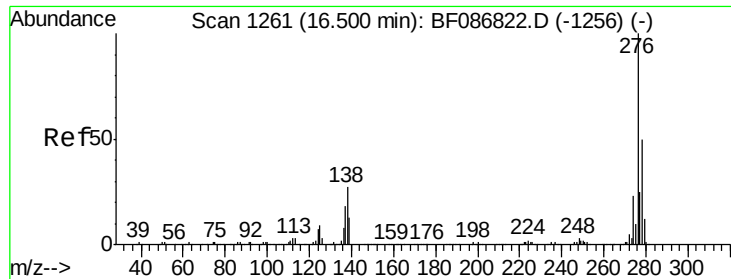
Delta R.T. 0.00 min

Lab File: BF086924.D

Acq: 12 May 2016 10:16

Tgt Ion:	228	Resp:	442940
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.4	36.6
229	22.1	15.8	23.8





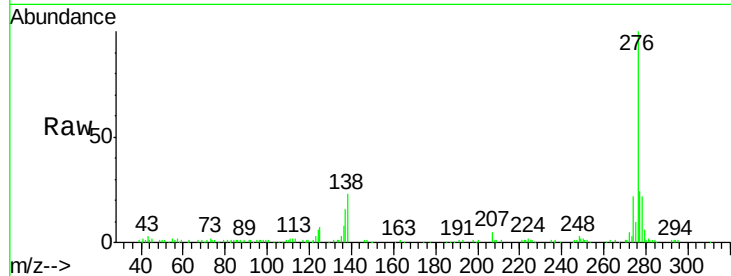
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.43 ng m
RT: 16.39 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF086924.D
Acq: 12 May 2016 10:16

Instrument :
BNA_F
ClientSampleId :
DUPA-050316DL

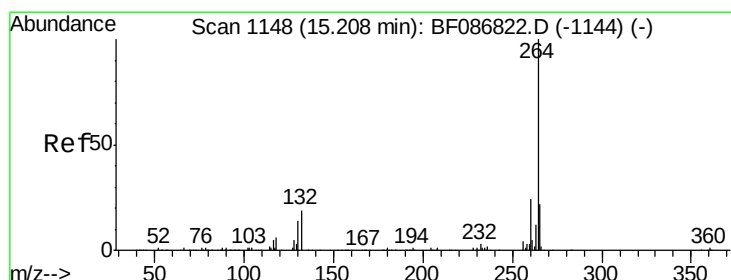
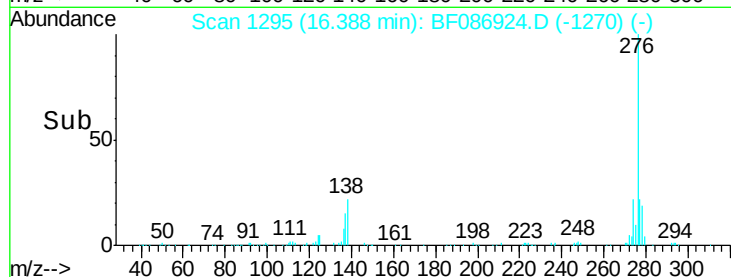
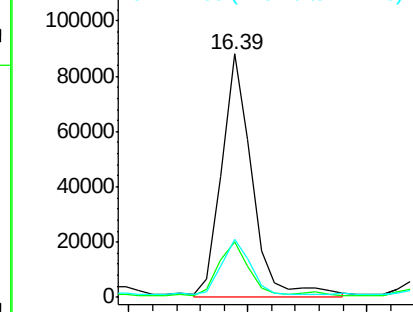
Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	4.8	25.6	38.4#
277	4.2	20.5	30.7#

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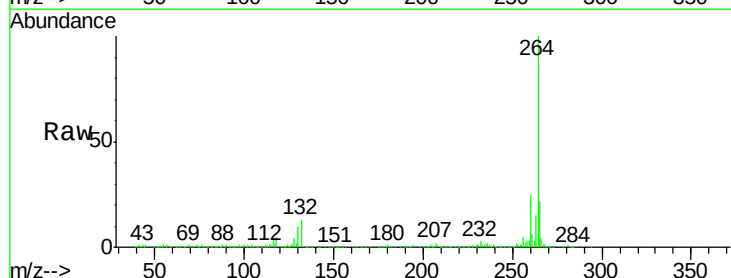


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

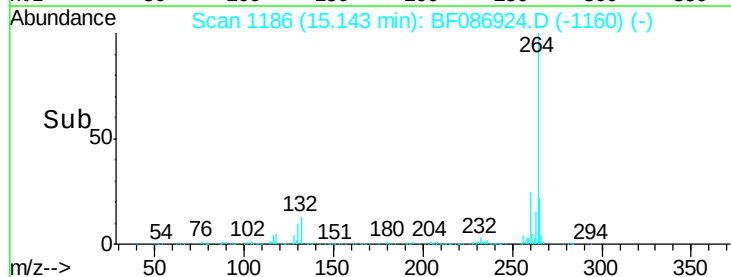
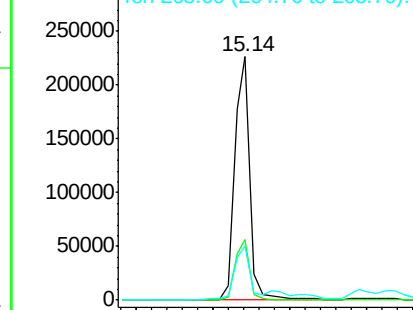


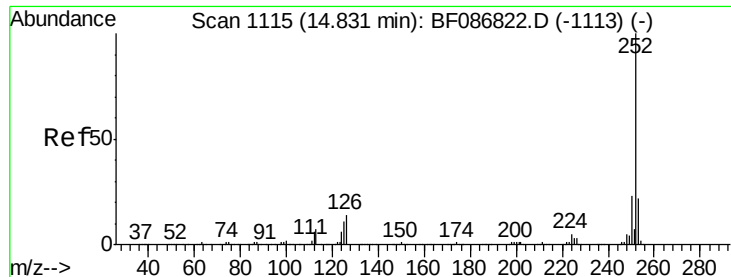
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF086924.D
Acq: 12 May 2016 10:16

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.3	17.3	25.9



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: 21.03 ng m

RT: 14.77 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF086924.D

Acq: 12 May 2016 10:16

Instrument :

BNA_F

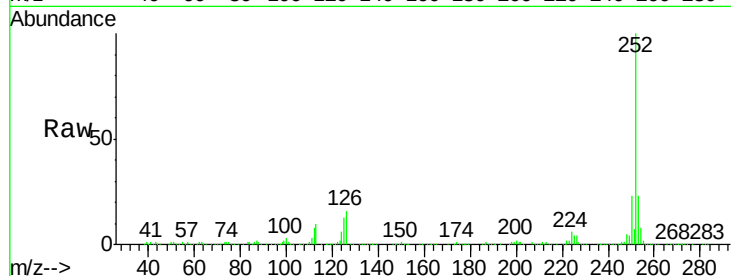
ClientSampleId :

DUPA-050316DL

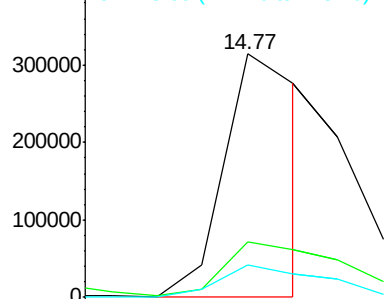
Tgt Ion:	252	Resp:	434238
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.6
125	13.4	11.4	17.0

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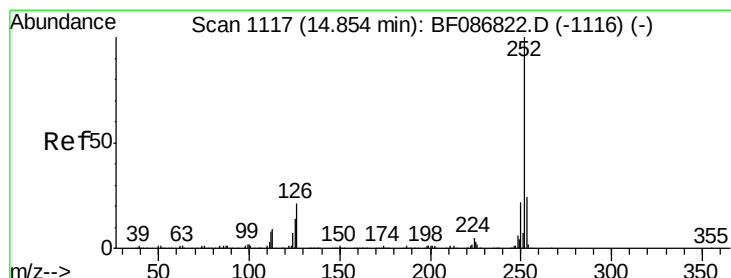
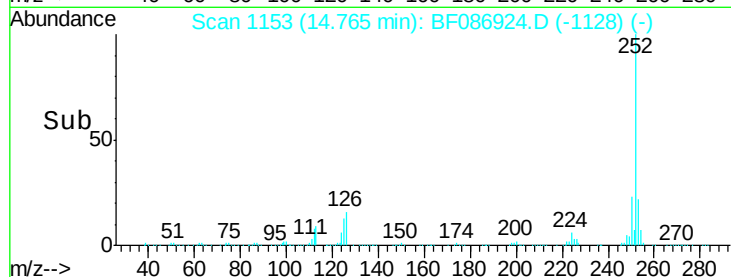
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->



#88

Benzo(k)fluoranthene

Concen: 12.13 ng m

RT: 14.78 min Scan# 1154

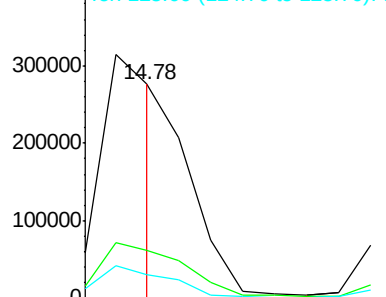
Delta R.T. -0.02 min

Lab File: BF086924.D

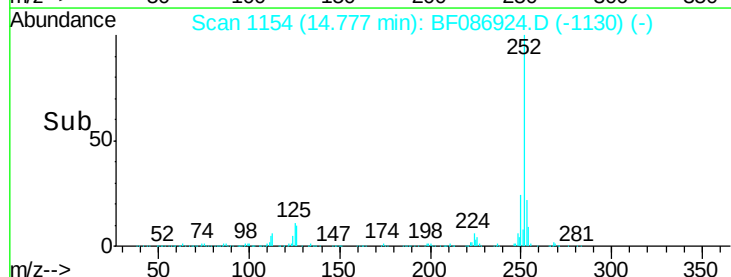
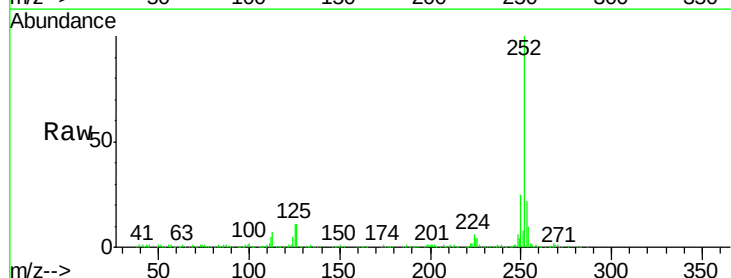
Acq: 12 May 2016 10:16

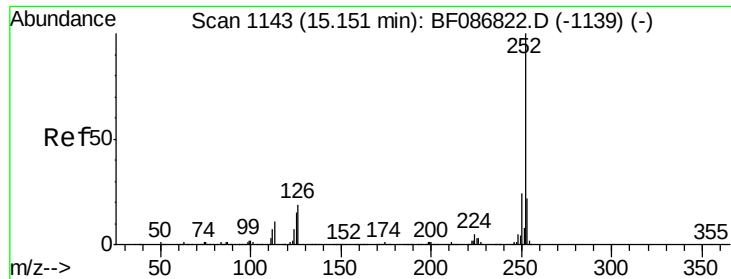
Tgt Ion:	252	Resp:	204985
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.8	26.6
125	10.9	9.1	13.7

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



Time-->





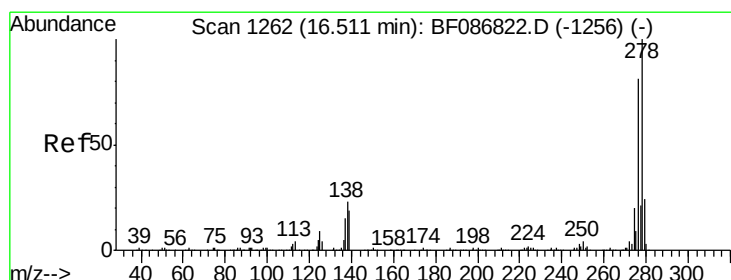
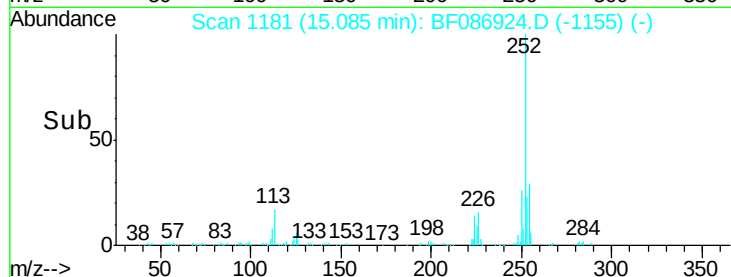
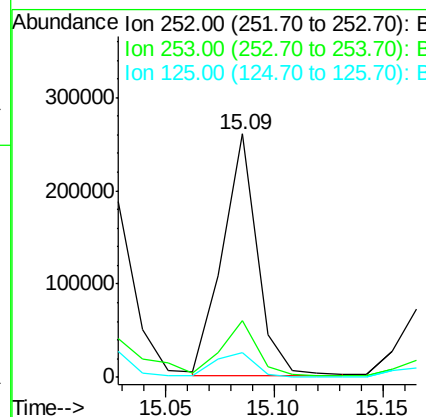
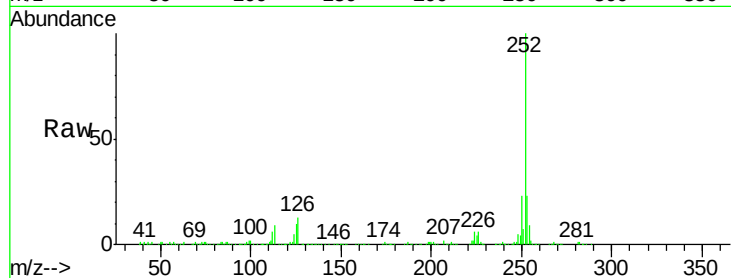
#89
Benzo(a)pyrene
Concen: 16.22 ng
RT: 15.09 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BF086924.D
Acq: 12 May 2016 10:16

Instrument :
BNA_F
ClientSampleId :
DUPA-050316DL

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	17.2	25.8
125	10.1	9.0	13.6

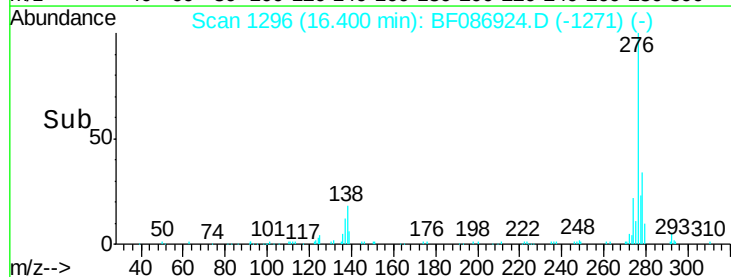
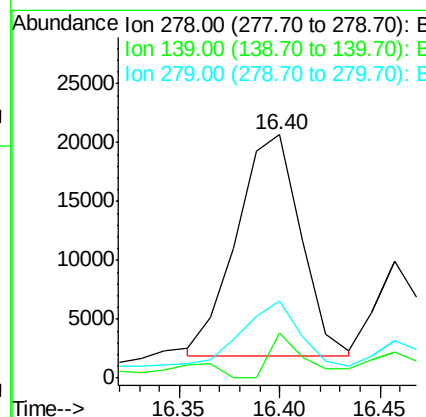
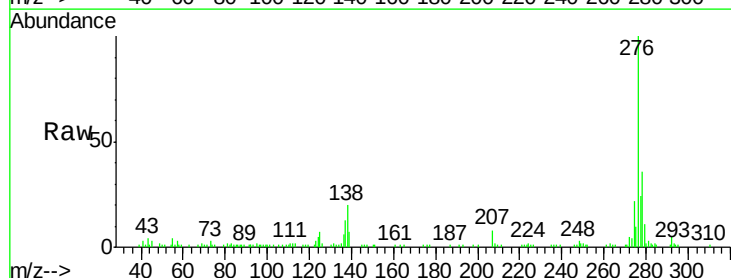
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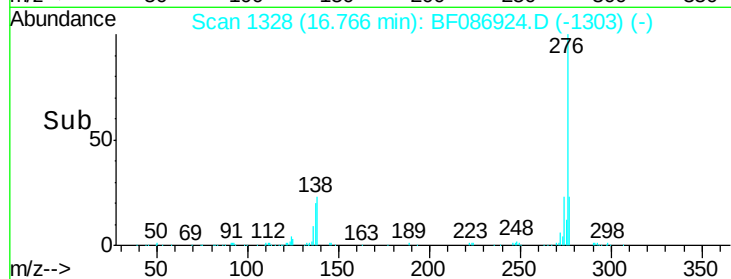
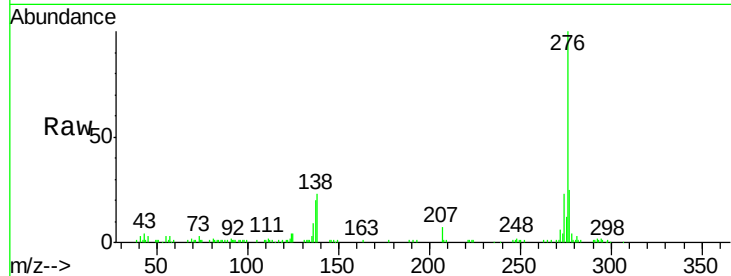
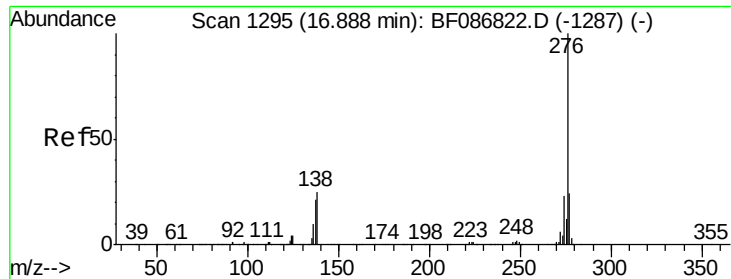
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#90
Dibenzo(a,h)anthracene
Concen: 2.76 ng m
RT: 16.40 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF086924.D
Acq: 12 May 2016 10:16

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	18.3	16.6	24.8
279	31.9	19.6	29.4#





#91

Benzo(g,h,i)perylene

Concen: 8.16 ng

RT: 16.77 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF086924.D

Acq: 12 May 2016 10:16

Instrument :

BNA_F

ClientSampleId :

DUPA-050316DL

Tgt	Ion	276	Resp:	124482
Ion	Ratio	Lower	Upper	
276	100			
277	24.7	19.6	29.4	
138	23.5	23.6	35.4	#

Manual Integrations
APPROVED

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