

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
 Data File : BF087095.D
 Acq On : 16 May 2016 21:48
 Operator : UM/SJ
 Sample : H3057-01DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-10(8.5-9)DL

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Quant Time: May 17 13:37:44 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 01:12:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	166081	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	690339	20.00	ng	0.00
38) Acenaphthene-d10	9.64	164	282953	20.00	ng	0.00
63) Phenanthrene-d10	11.12	188	454395	20.00	ng	0.00
75) Chrysene-d12	13.75	240	378979	20.00	ng	-0.01
86) Perylene-d12	15.11	264	318969	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	91404	9.32	ng	0.00
7) Phenol-d6	6.27	99	129443	9.88	ng	-0.01
23) Nitrobenzene-d5	7.18	82	80340	5.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.43	330	21244	7.09	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	126896	7.54	ng	-0.01
78) Terphenyl-d14	12.70	244	80757	4.52	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.92	128	124037	3.59	ng	100
37) 2-Methylnaphthalene	8.60	142	51889	2.57	ng	94
51) Acenaphthene	9.68	154	101611	6.30	ng	98
54) Dibenzofuran	9.85	168	125667	6.07	ng	98
57) Fluorene	10.19	166	137089	7.76	ng	97
70) Phenanthrene	11.15	178	1225033	50.52	ng	99
71) Anthracene	11.20	178	410182	16.54	ng	99
72) Carbazole	11.36	167	81744	3.83	ng	98
74) Fluoranthene	12.33	202	1111215	44.55	ng	97
77) Pyrene	12.56	202	1077865	37.15	ng	100
80) Benzo(a)anthracene	13.74	228	481125	22.61	ng	99
82) Chrysene	13.77	228	336504m	15.55	ng	
85) Indeno(1,2,3-cd)pyrene	16.35	276	145553	8.08	ng	93
87) Benzo(b)fluoranthene	14.74	252	363059m	17.51	ng	
88) Benzo(k)fluoranthene	14.75	252	149055m	8.78	ng	
89) Benzo(a)pyrene	15.06	252	289724	16.20	ng	97
90) Dibenzo(a,h)anthracene	16.37	278	32338m	2.15	ng	
91) Benzo(g,h,i)perylene	16.73	276	130571	8.53	ng	96

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

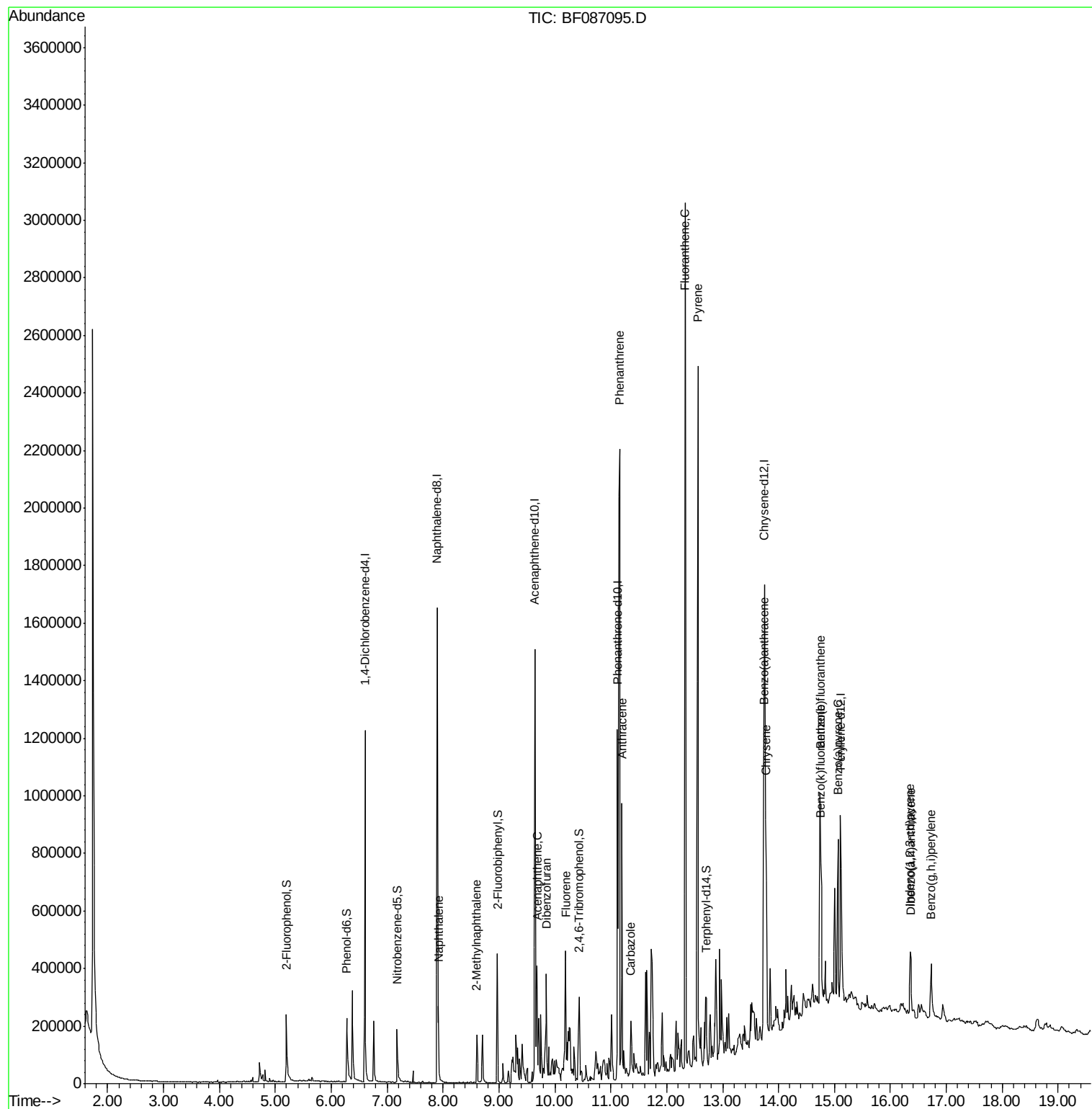
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
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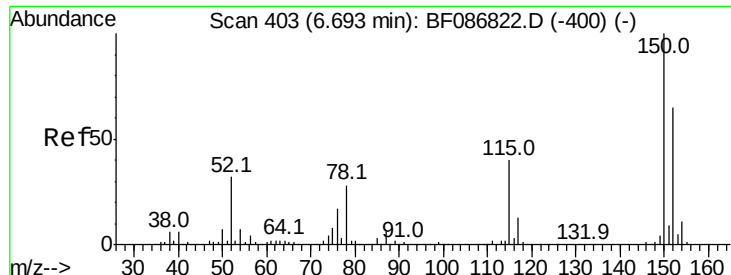
Instrument :
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E-10(8.5-9)DL

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Quant Time: May 17 13:37:44 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: 6.60 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF087095.D

Acq: 16 May 2016 21:48

Instrument :

BNA_F

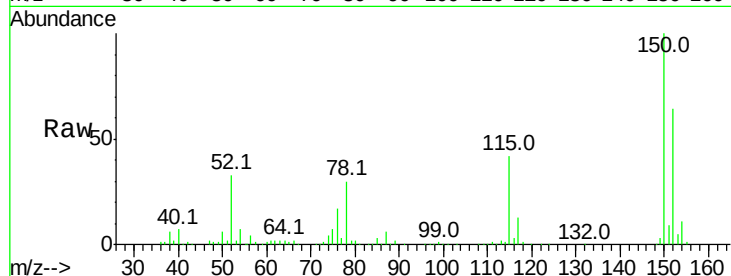
ClientSampleId :

E-10(8.5-9)DL

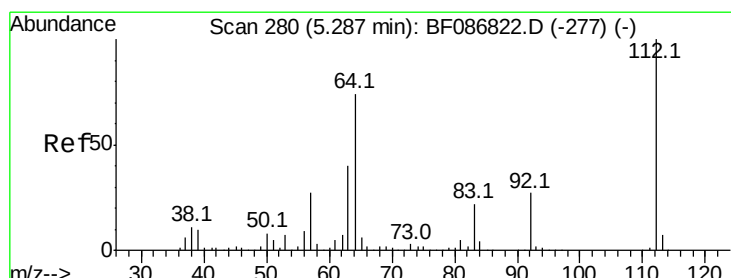
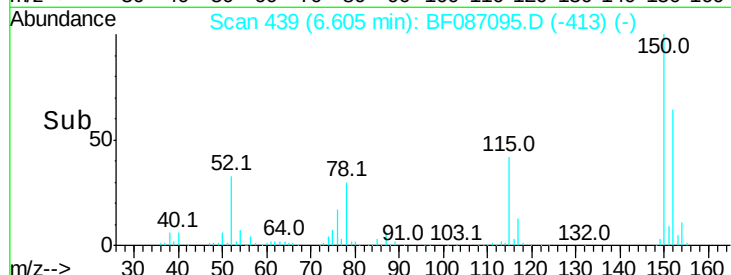
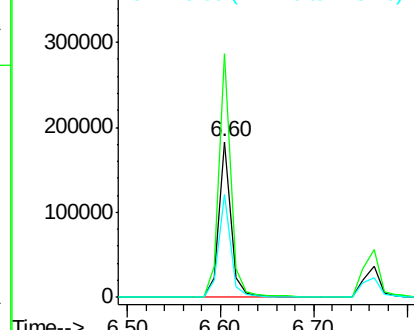
Tot Ion:	152	Resp:	166081
Ion Ratio	Lower	Upper	
152	100		
150	156.3	125.8	188.6
115	66.2	51.5	77.3

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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: 9.32 ng

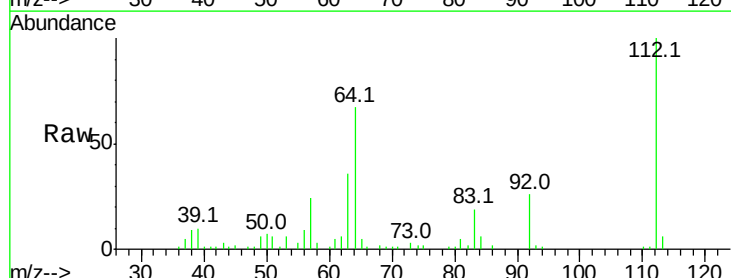
RT: 5.20 min Scan# 316

Delta R.T. 0.00 min

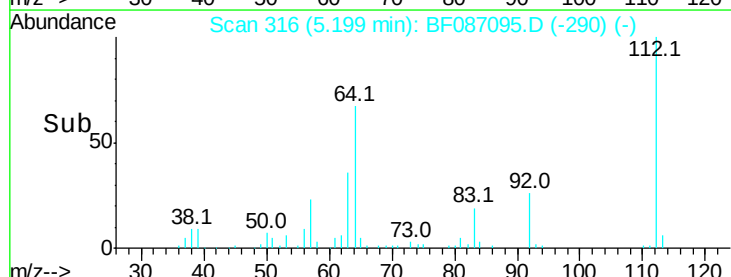
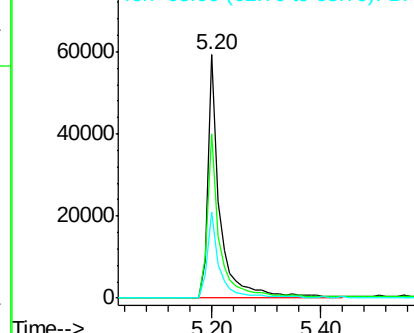
Lab File: BF087095.D

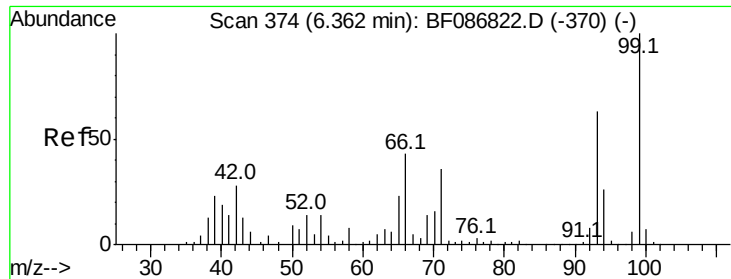
Acq: 16 May 2016 21:48

Tgt Ion:	112	Resp:	91404
Ion Ratio	Lower	Upper	
112	100		
64	67.4	52.1	78.1
63	35.7	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: 9.88 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF087095.D

Acq: 16 May 2016 21:48

Instrument :

BNA_F

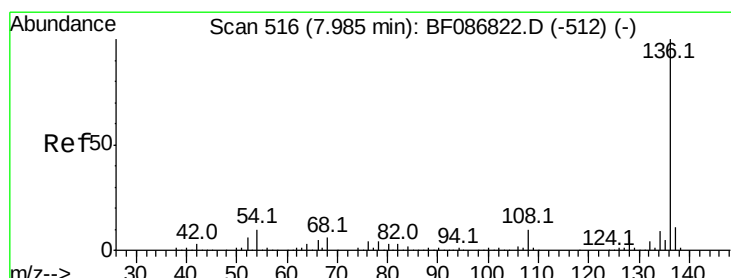
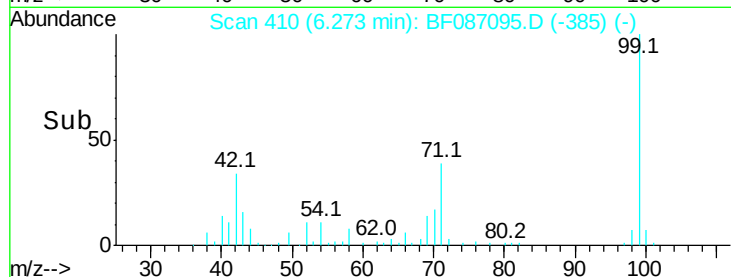
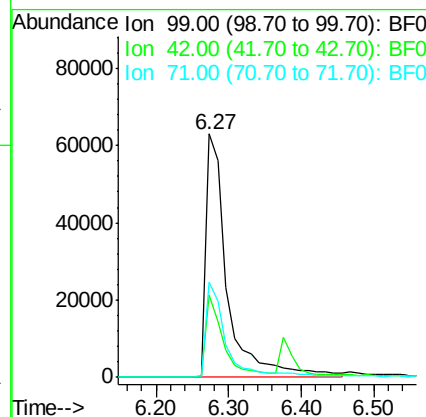
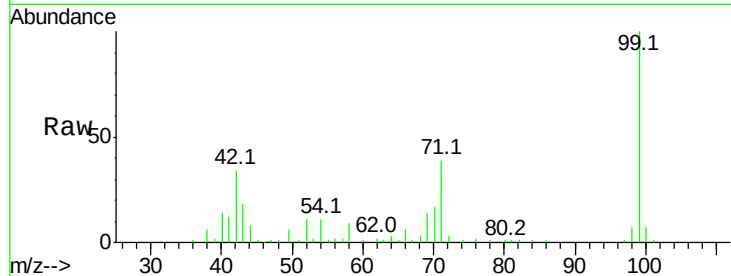
ClientSampleId :

E-10(8.5-9)DL

Tot Ion:	99	Resp:	129443
Ion Ratio	Lower	Upper	
99	100		
42	34.0	13.6	20.4#
71	38.9	24.6	36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

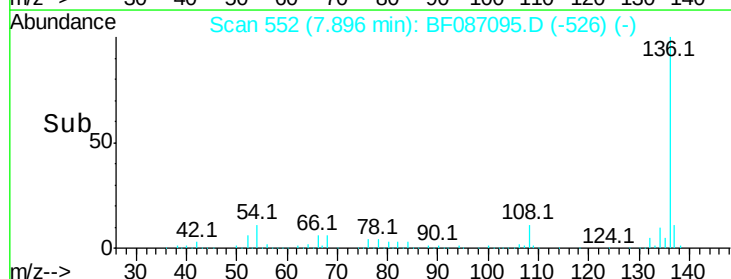
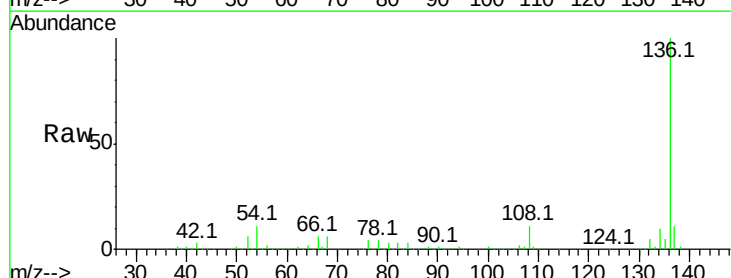
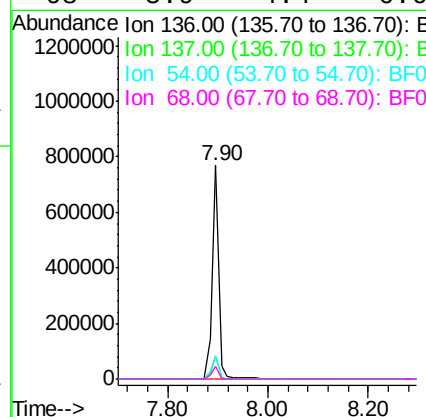
RT: 7.90 min Scan# 552

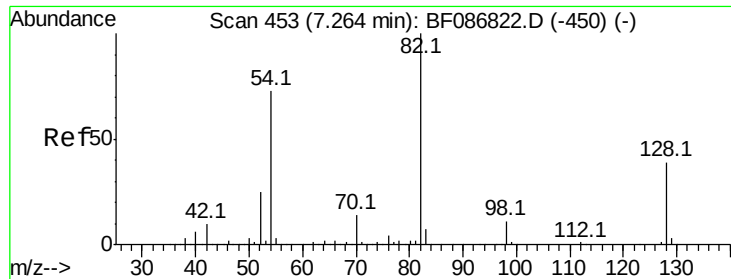
Delta R.T. 0.00 min

Lab File: BF087095.D

Acq: 16 May 2016 21:48

Tgt Ion:	136	Resp:	690339
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	10.8	5.0	7.4#
68	5.9	4.4	6.6





#23

Nitrobenzene-d5

Concen: 5.84 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.01 min

Lab File: BF087095.D

Acq: 16 May 2016 21:48

Instrument :

BNA_F

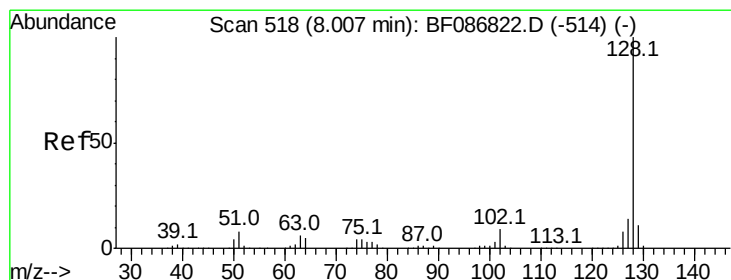
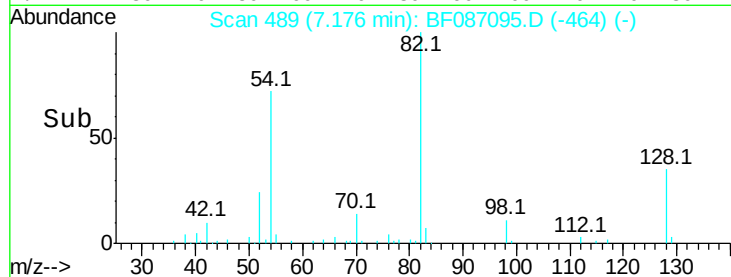
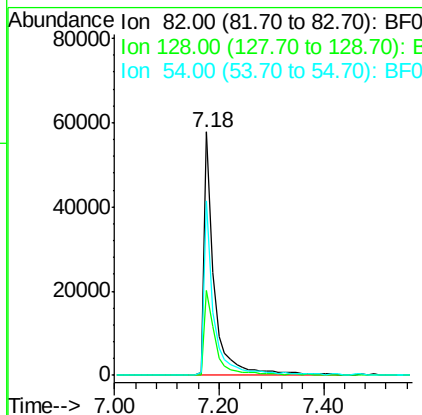
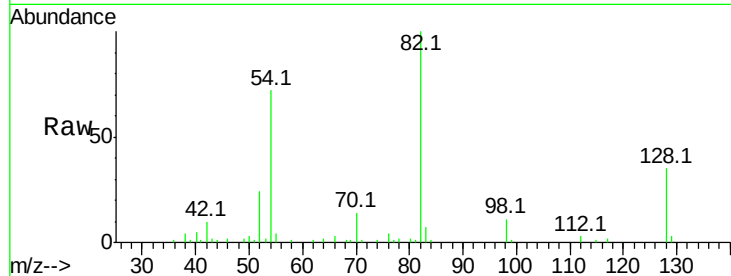
ClientSampleId :

E-10(8.5-9)DL

Tot Ion:	82	Resp:	80340
Ion Ratio	Lower	Upper	
82	100		
128	35.0	40.6	61.0#
54	71.8	38.1	57.1#

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#31

Naphthalene

Concen: 3.59 ng

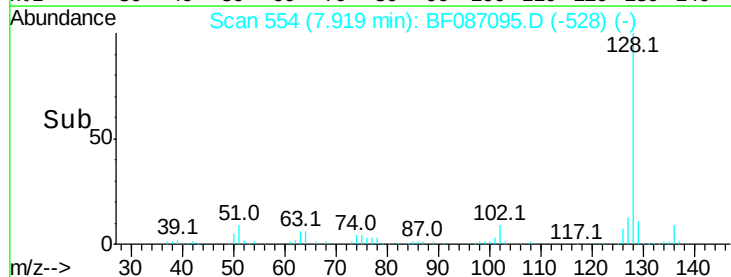
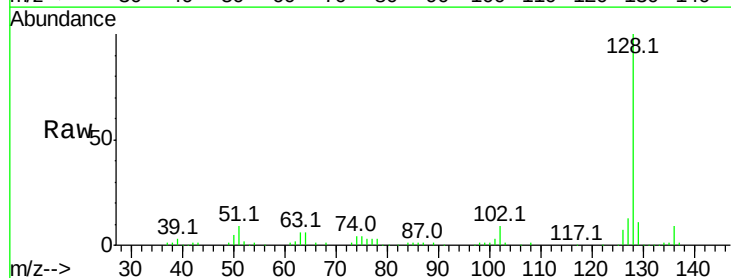
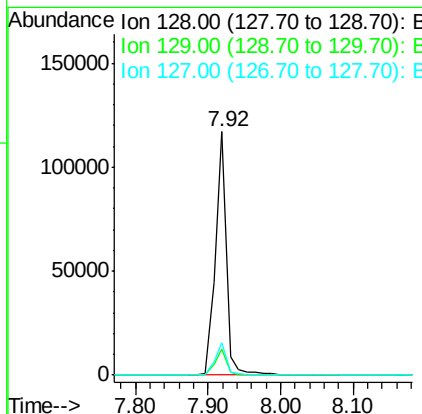
RT: 7.92 min Scan# 554

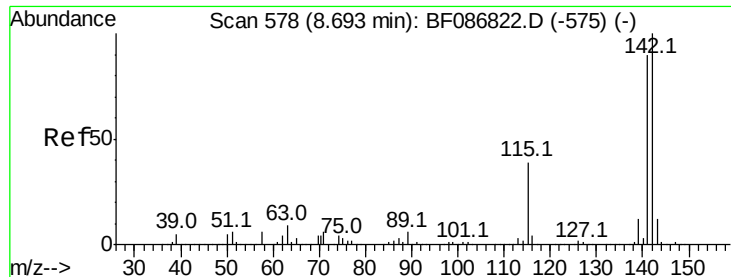
Delta R.T. 0.00 min

Lab File: BF087095.D

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Tgt Ion:	128	Resp:	124037
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.6	13.0
127	13.3	10.8	16.2





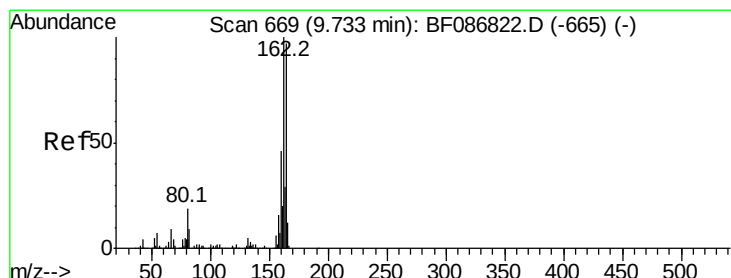
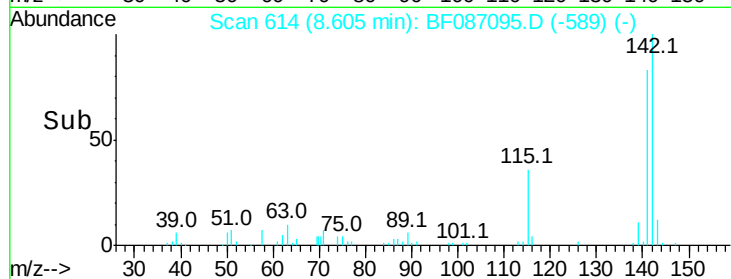
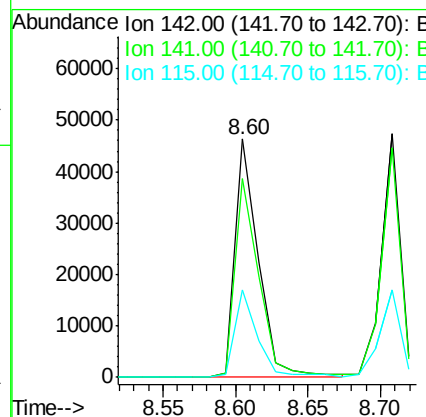
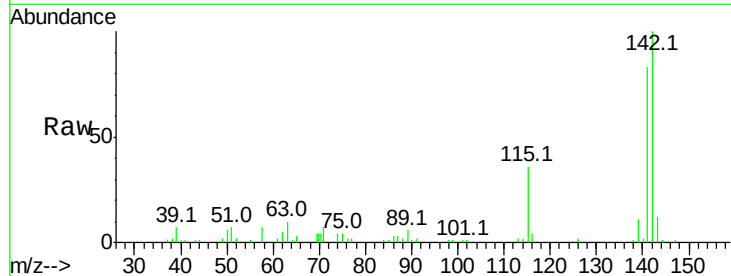
#37
 2-Methylnaphthalene
 Concen: 2.57 ng
 RT: 8.60 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF087095.D
 Acq: 16 May 2016 21:48

Instrument :
 BNA_F
 ClientSampleId :
 E-10(8.5-9)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	83.4	71.0	106.6
115	36.5	26.6	39.8

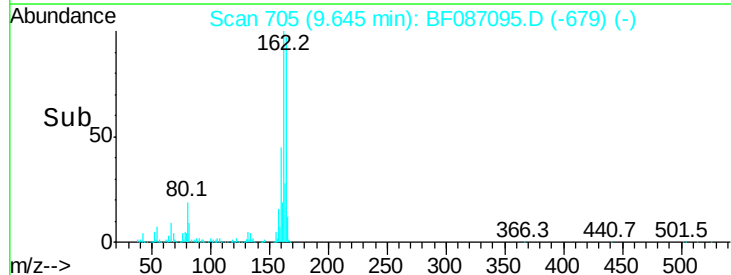
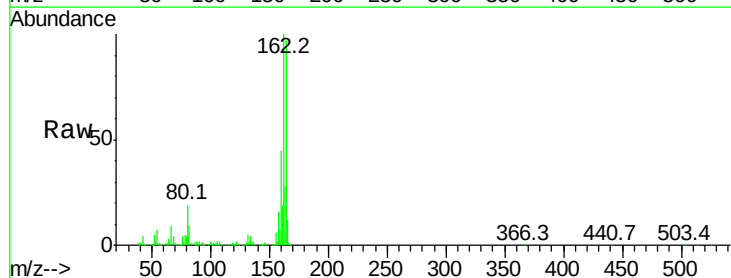
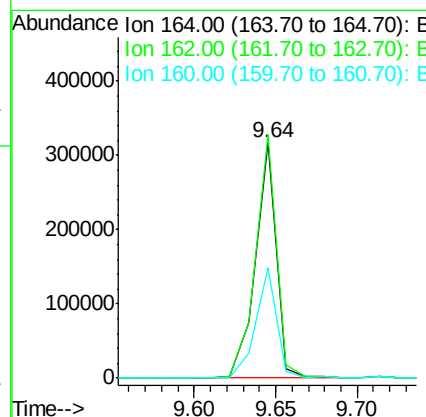
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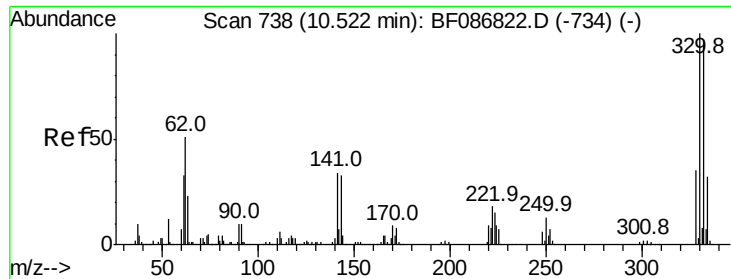
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: BF087095.D
 Acq: 16 May 2016 21:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.8	124.2
160	46.8	36.9	55.3





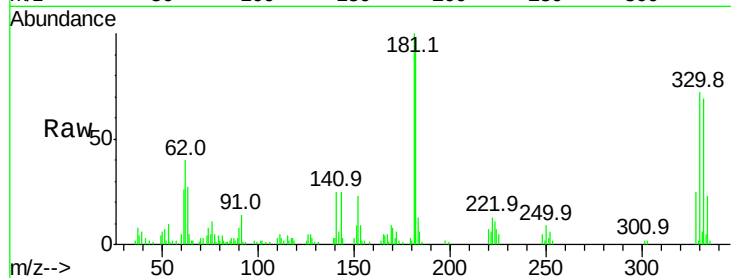
#41
 2,4,6-Tribromophenol
 Concen: 7.09 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: BF087095.D
 Acq: 16 May 2016 21:48

Instrument :
 BNA_F
 ClientSampleId :
 E-10(8.5-9)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	79.0	118.4
141	46.1	31.2	46.8

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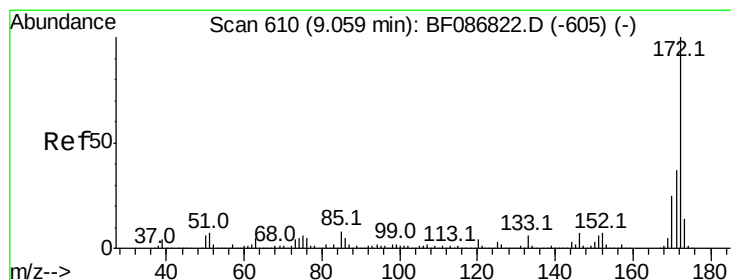
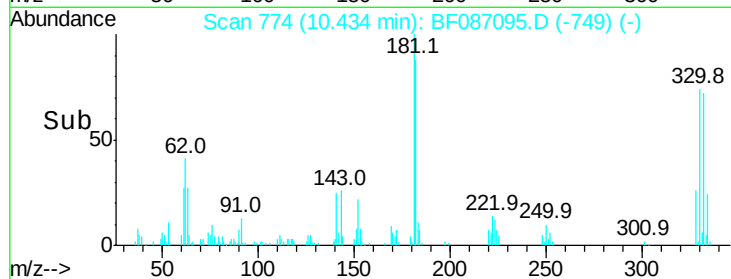
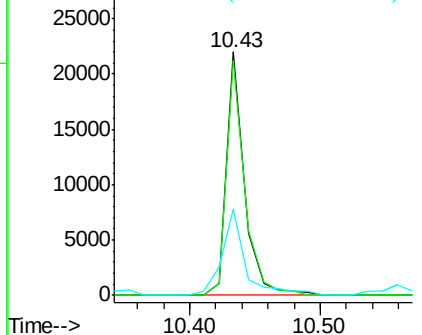


Abundance

Ion 329.80 (329.50 to 330.50): E

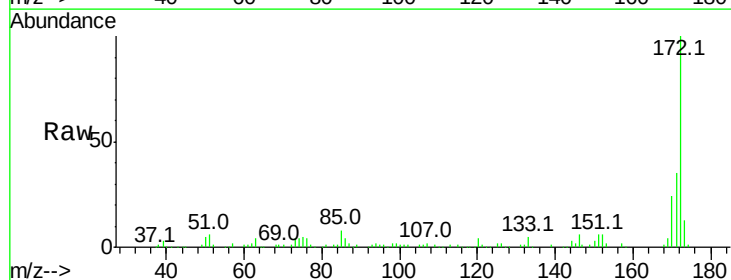
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 7.54 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.01 min
 Lab File: BF087095.D
 Acq: 16 May 2016 21:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.6
170	23.5	19.8	29.8

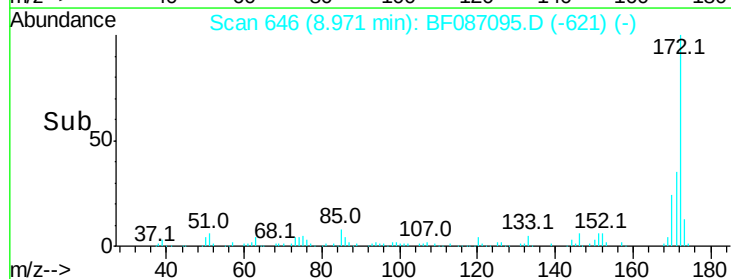
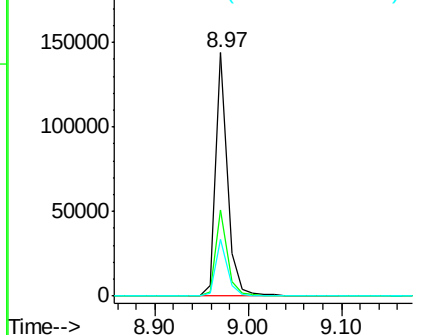


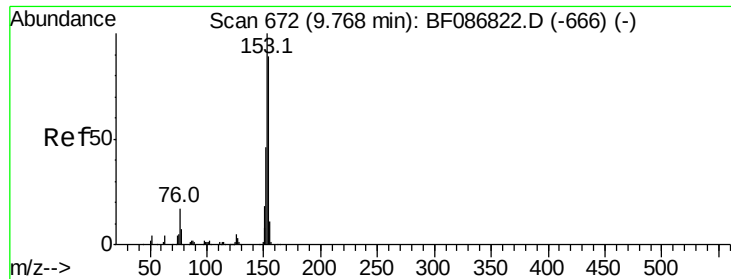
Abundance

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





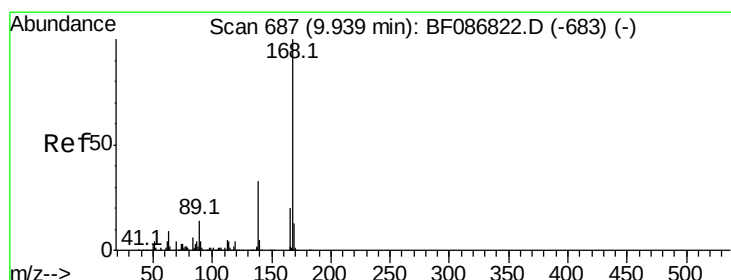
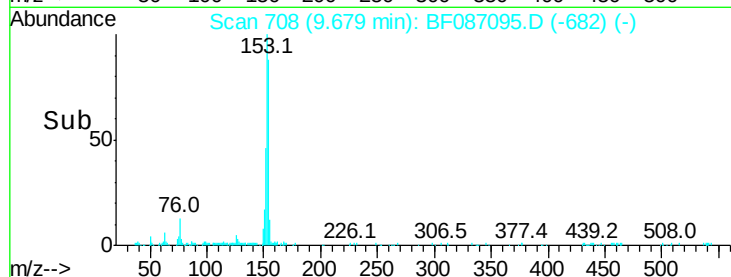
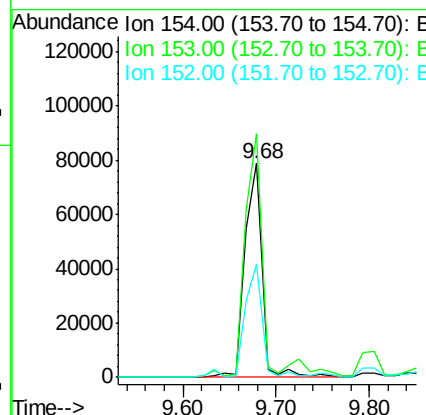
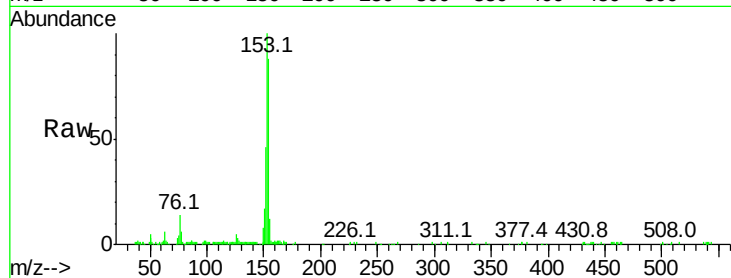
#51
Acenaphthene
Concen: 6.30 ng
RT: 9.68 min Scan# 708
Delta R.T. 0.00 min
Lab File: BF087095.D
Acq: 16 May 2016 21:48

Instrument :
BNA_F
ClientSampleId :
E-10(8.5-9)DL

Tot Ion:	154	Resp:	101611
Ion Ratio	Lower	Upper	
154	100		
153	114.0	89.8	134.6
152	52.8	43.4	65.0

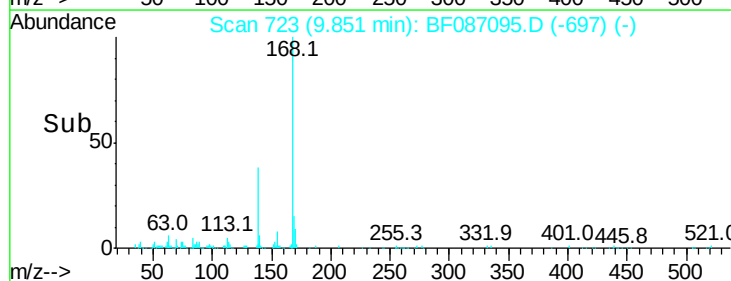
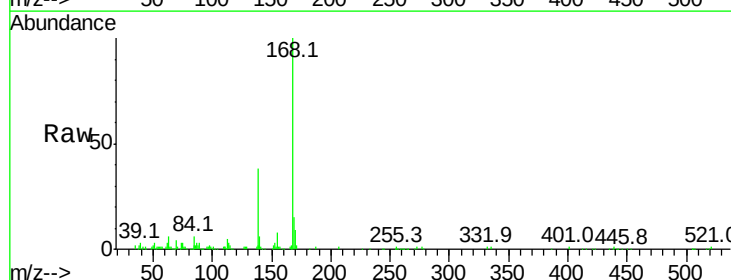
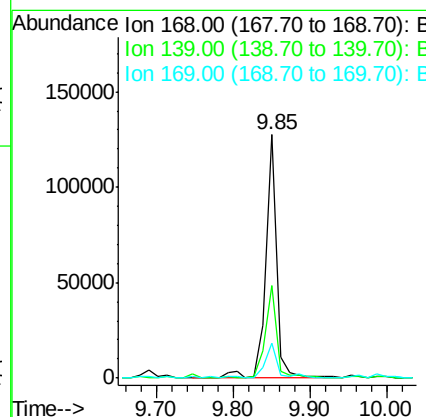
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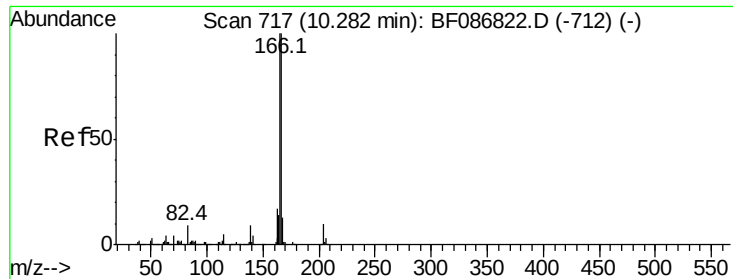
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#54
Dibenzofuran
Concen: 6.07 ng
RT: 9.85 min Scan# 723
Delta R.T. 0.00 min
Lab File: BF087095.D
Acq: 16 May 2016 21:48

Tgt Ion:	168	Resp:	125667
Ion Ratio	Lower	Upper	
168	100		
139	38.1	31.4	47.0
169	14.5	10.7	16.1





#57

Fluorene

Concen: 7.76 ng

RT: 10.19 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF087095.D

Acq: 16 May 2016 21:48

Instrument :

BNA_F

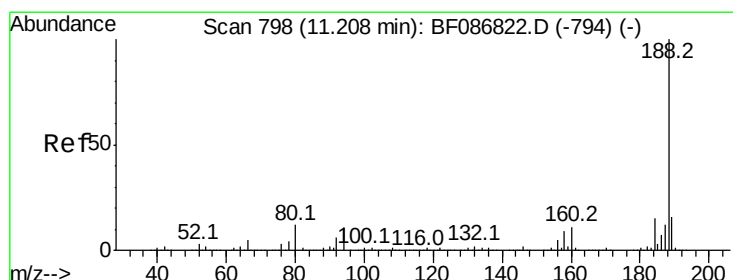
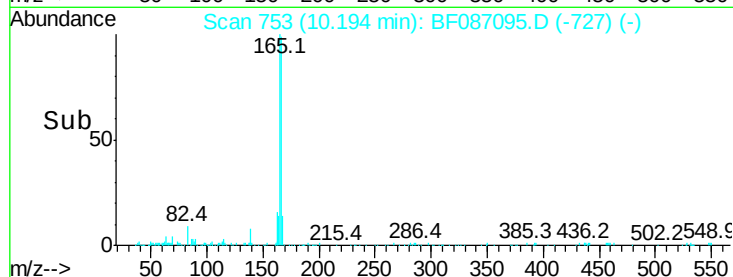
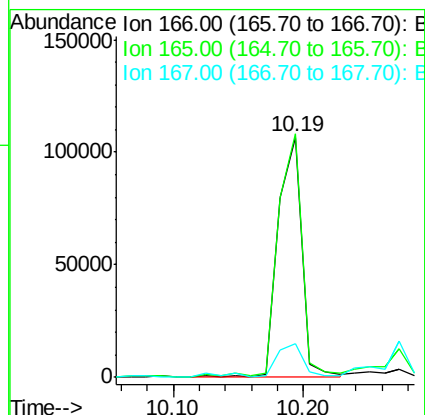
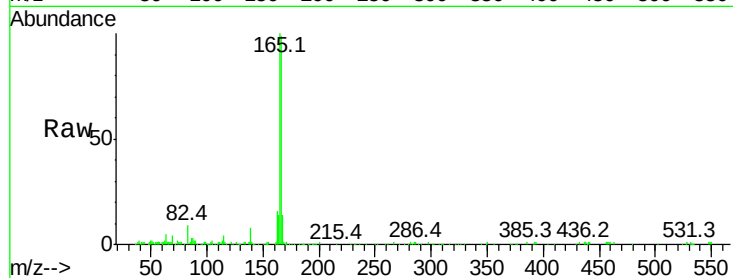
ClientSampled :

E-10(8.5-9)DL

Tot Ion:	166	Resp:	137089
Ion Ratio	Lower	Upper	
166	100		
165	101.3	79.0	118.6
167	14.3	10.6	15.8

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#63

Phenanthrene-d10

Concen: 20.00 ng

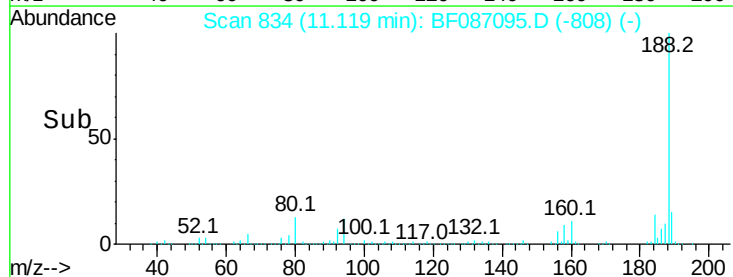
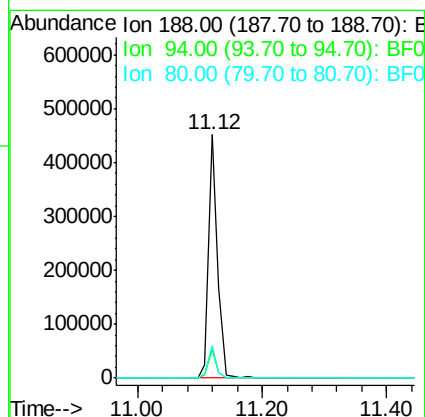
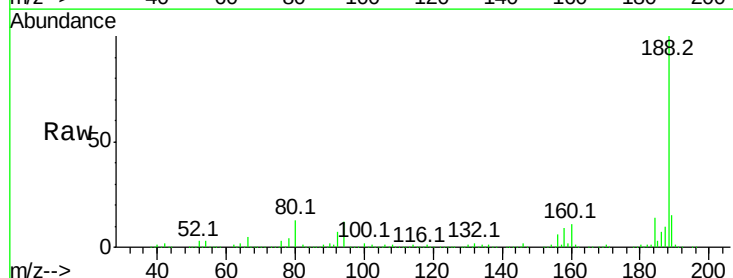
RT: 11.12 min Scan# 834

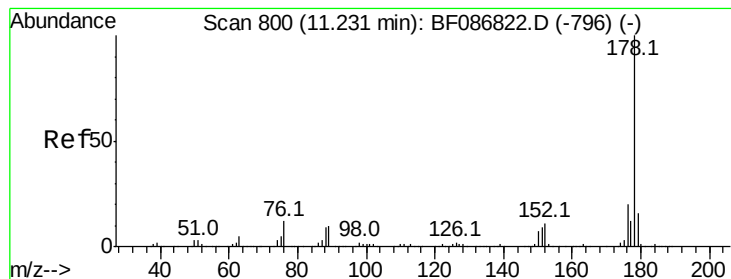
Delta R.T. 0.00 min

Lab File: BF087095.D

Acq: 16 May 2016 21:48

Tgt Ion:	188	Resp:	454395
Ion Ratio	Lower	Upper	
188	100		
94	11.6	6.8	10.2#
80	13.3	7.1	10.7#





#70

Phenanthrene

Concen: 50.52 ng

RT: 11.15 min Scan# 837

Delta R.T. 0.00 min

Lab File: BF087095.D

Acq: 16 May 2016 21:48

Instrument :

BNA_F

ClientSampled :

E-10(8.5-9)DL

Tot Ion:178 Resp: 1225033

Ion Ratio Lower Upper

178 100

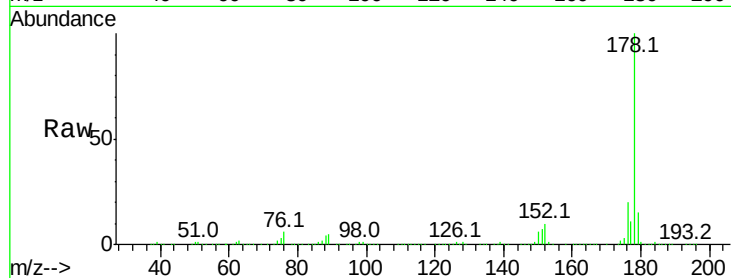
176 19.6 16.0 24.0

179 15.3 12.6 18.8

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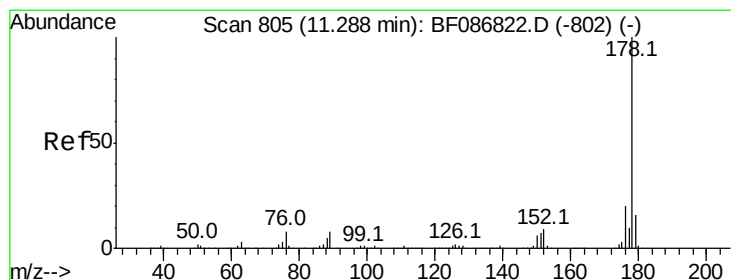
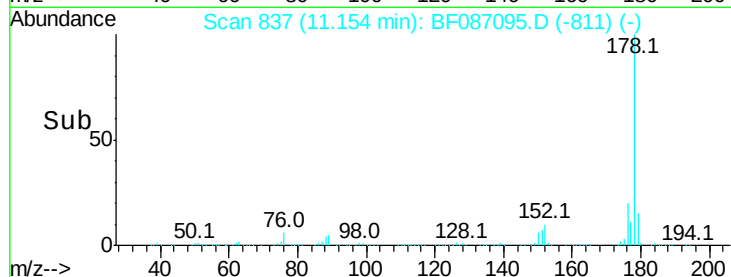
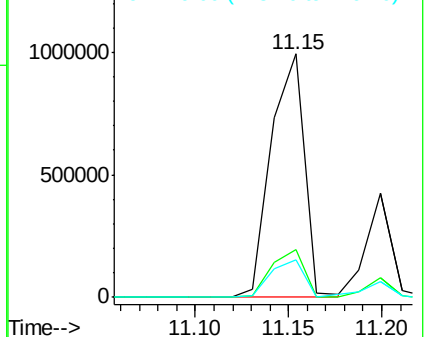
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 16.54 ng

RT: 11.20 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF087095.D

Acq: 16 May 2016 21:48

Tgt Ion:178 Resp: 410182

Ion Ratio Lower Upper

178 100

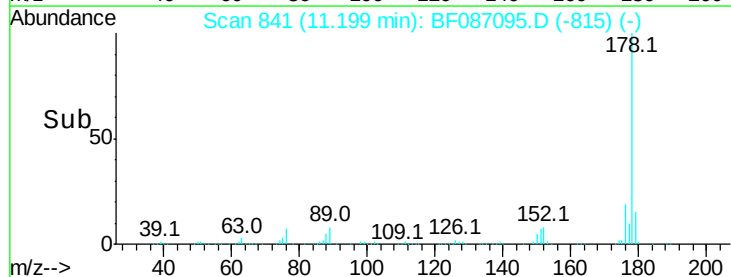
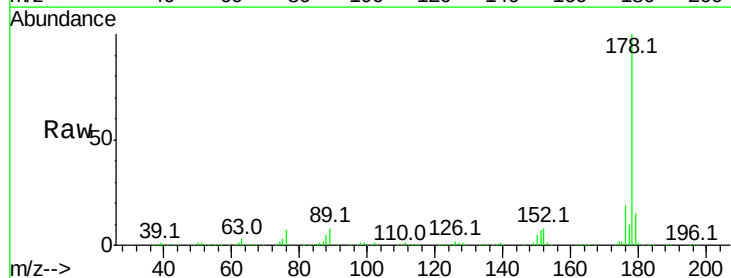
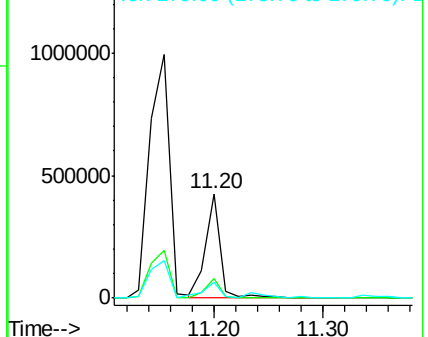
176 19.1 15.6 23.4

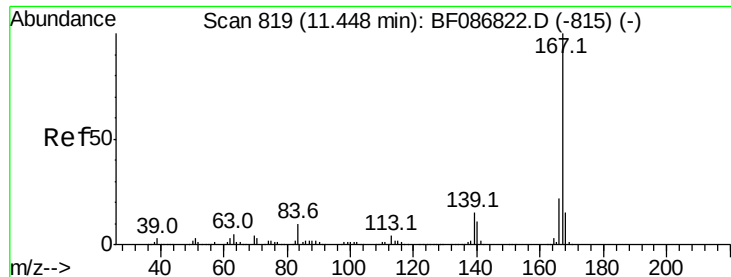
179 15.5 12.7 19.1

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: 3.83 ng

RT: 11.36 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF087095.D

Acq: 16 May 2016 21:48

Instrument :

BNA_F

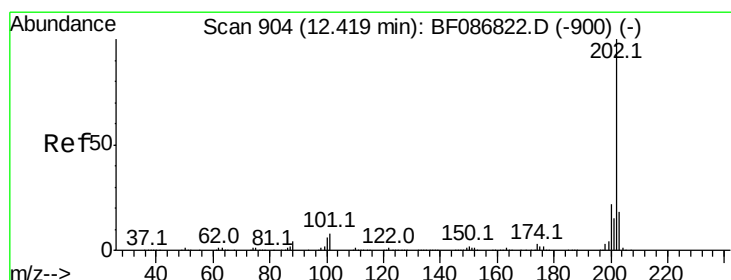
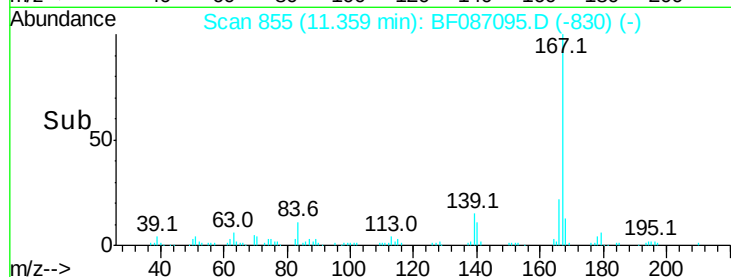
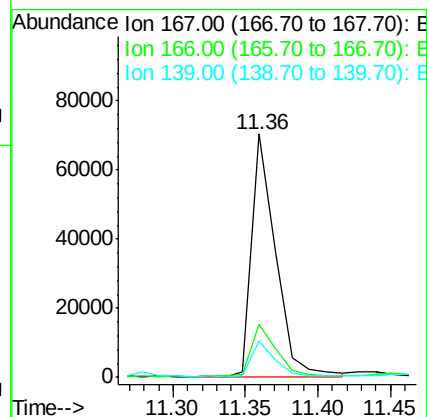
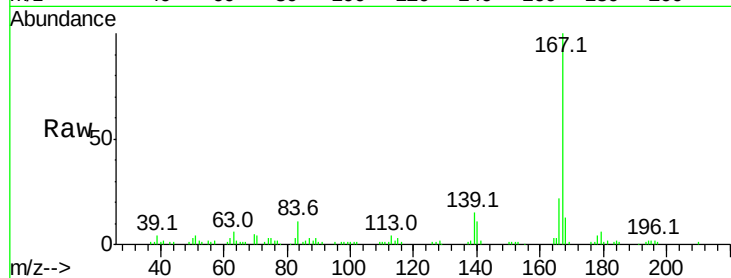
ClientSampleId :

E-10(8.5-9)DL

Tot Ion:	167	Resp:	81744
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.7	26.5
139	14.9	10.8	16.2

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#74

Fluoranthene

Concen: 44.55 ng

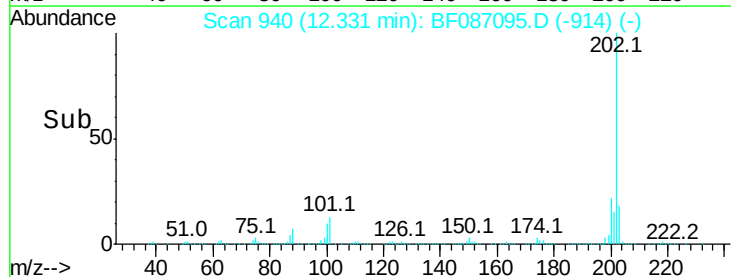
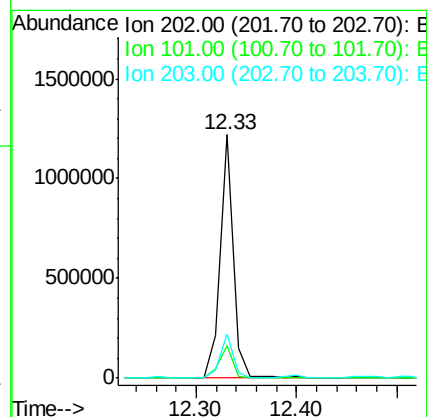
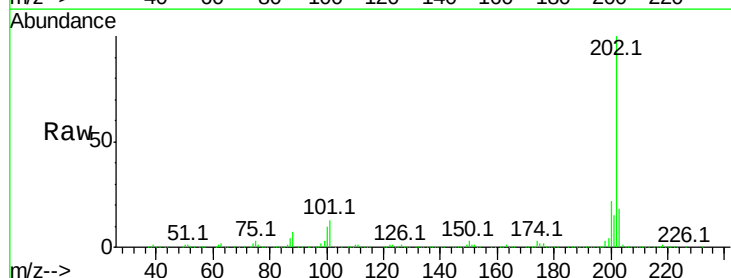
RT: 12.33 min Scan# 940

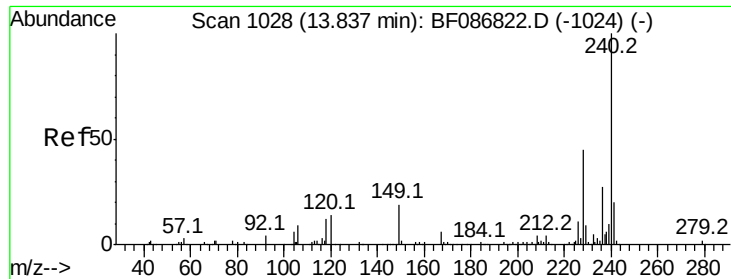
Delta R.T. 0.00 min

Lab File: BF087095.D

Acq: 16 May 2016 21:48

Tgt Ion:	202	Resp:	1111215
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	35.4
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF087095.D

Acq: 16 May 2016 21:48

Instrument :

BNA_F

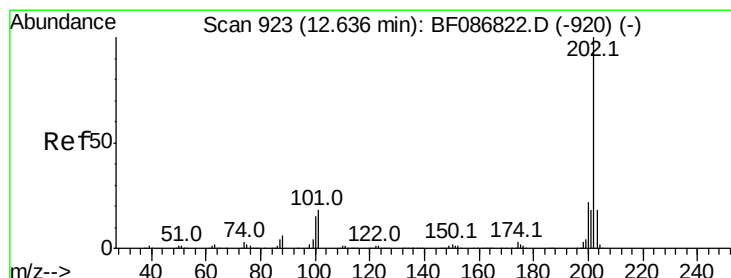
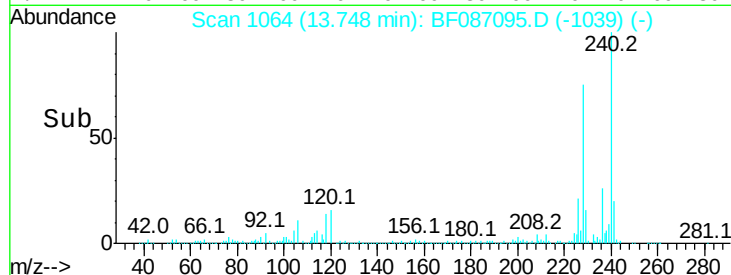
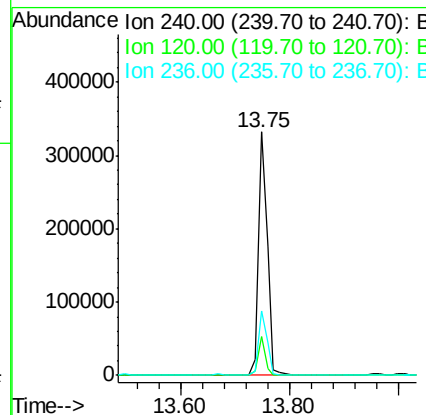
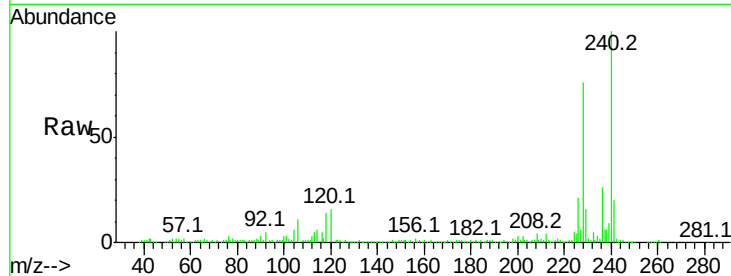
ClientSampleId :

E-10(8.5-9)DL

Tot Ion:	240	Resp:	378979
Ion Ratio	Lower	Upper	
240	100		
120	16.2	11.2	16.8
236	26.2	21.2	31.8

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#77

Pyrene

Concen: 37.15 ng

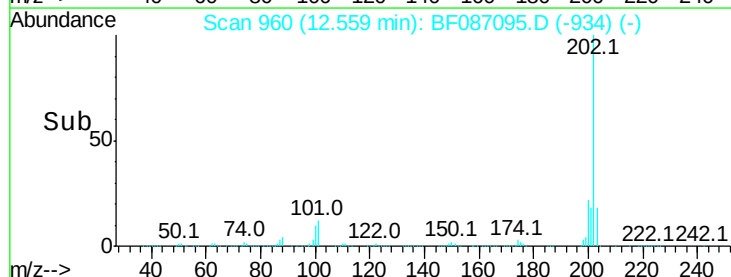
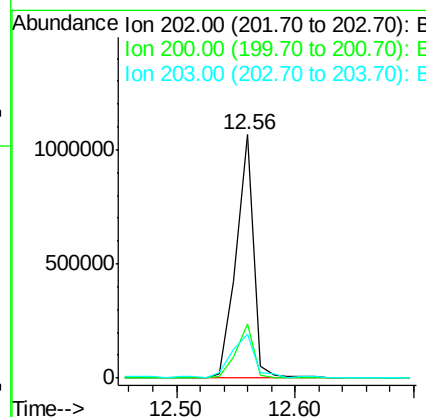
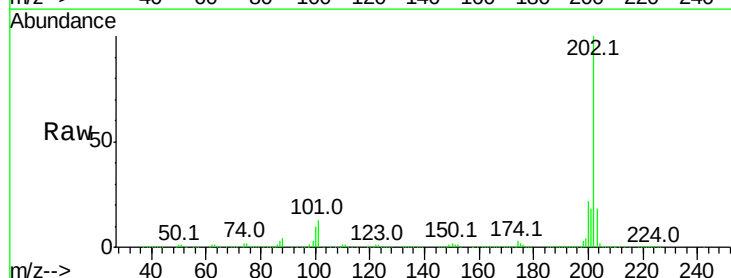
RT: 12.56 min Scan# 960

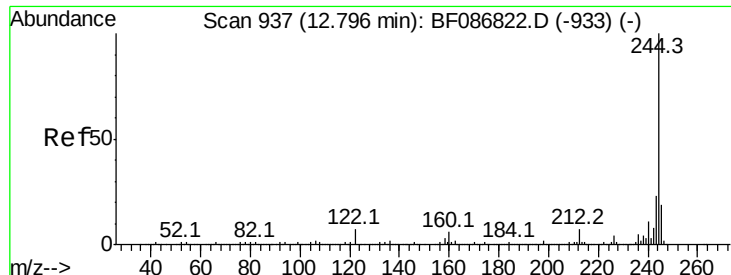
Delta R.T. 0.00 min

Lab File: BF087095.D

Acq: 16 May 2016 21:48

Tgt Ion:	202	Resp:	1077865
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.7	26.5
203	17.9	14.2	21.4





#78

Terphenyl-d14

Concen: 4.52 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF087095.D

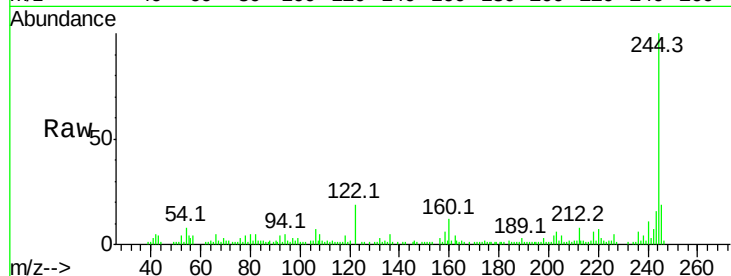
Acq: 16 May 2016 21:48

Instrument :

BNA_F

ClientSampleId :

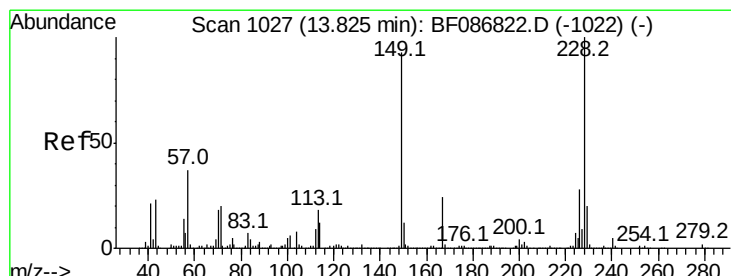
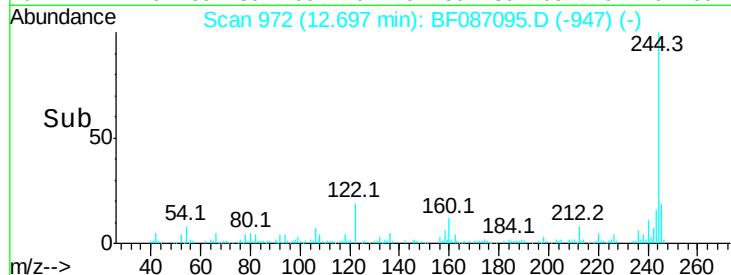
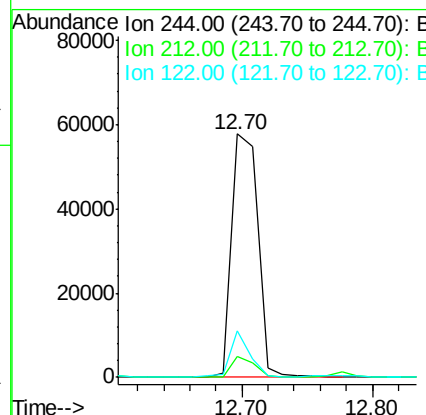
E-10(8.5-9)DL



Tot Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.2	9.2
122	19.3	12.0	18.0#

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#80

Benzo(a)anthracene

Concen: 22.61 ng

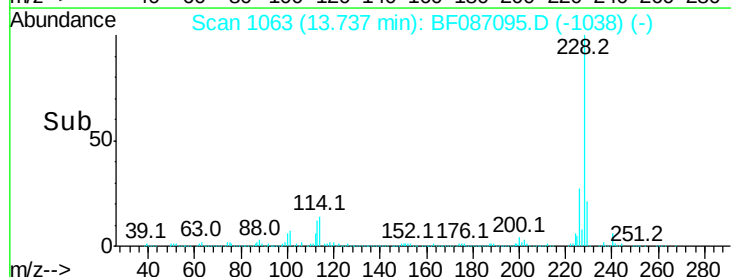
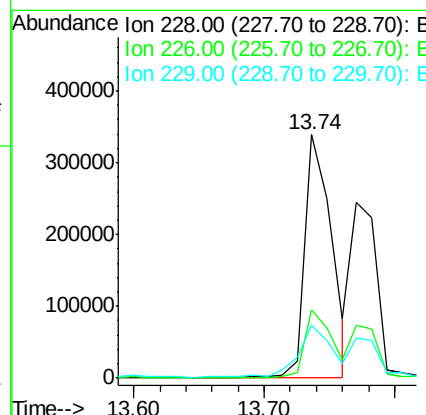
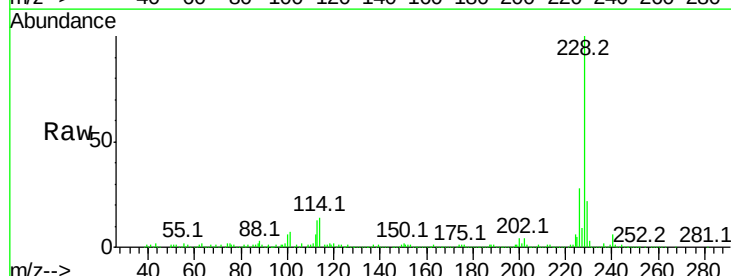
RT: 13.74 min Scan# 1063

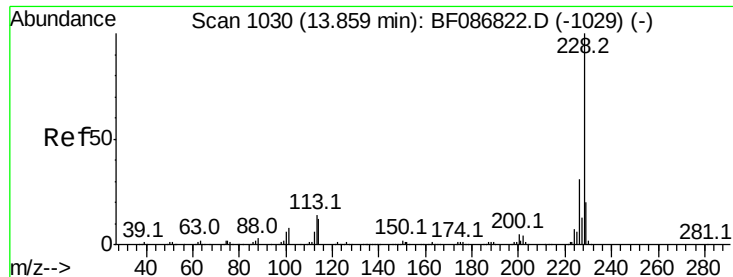
Delta R.T. -0.01 min

Lab File: BF087095.D

Acq: 16 May 2016 21:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.5	33.7
229	21.7	16.6	25.0





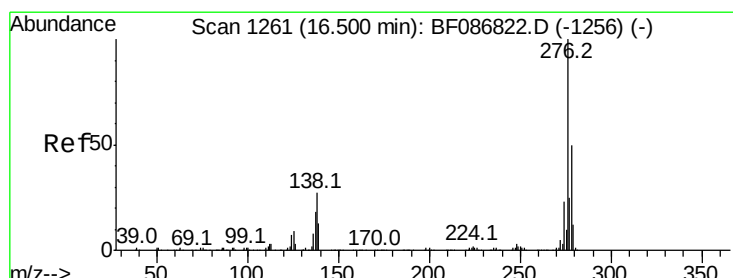
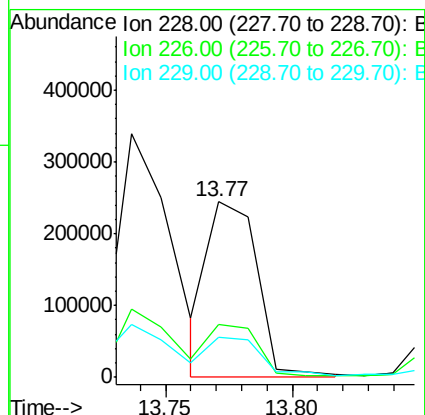
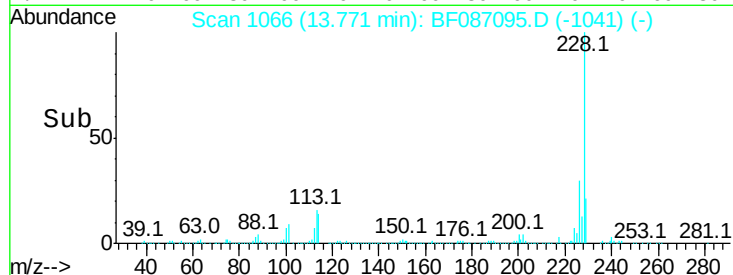
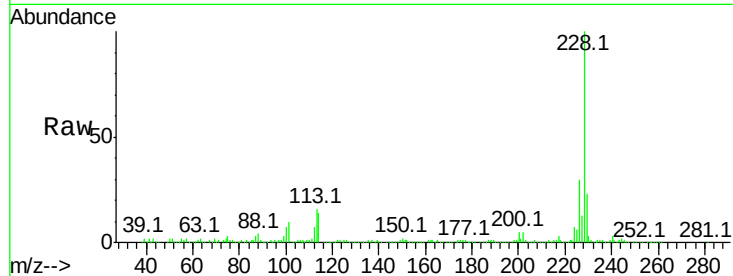
#82
Chrysene
Concen: 15.55 ng m
RT: 13.77 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BF087095.D
Acq: 16 May 2016 21:48

Instrument :
BNA_F
ClientSampleId :
E-10(8.5-9)DL

Tot Ion:	228	Resp:	336504
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.4	36.6
229	22.6	15.8	23.8

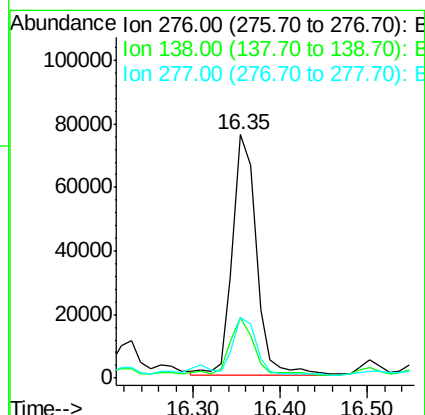
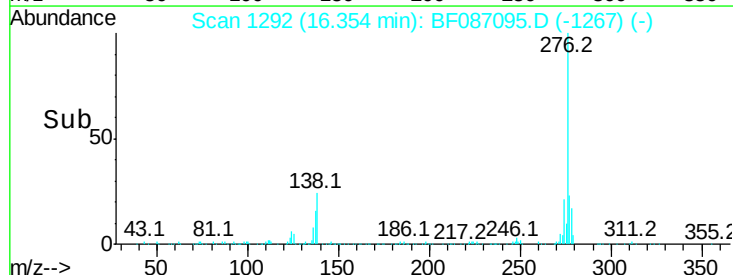
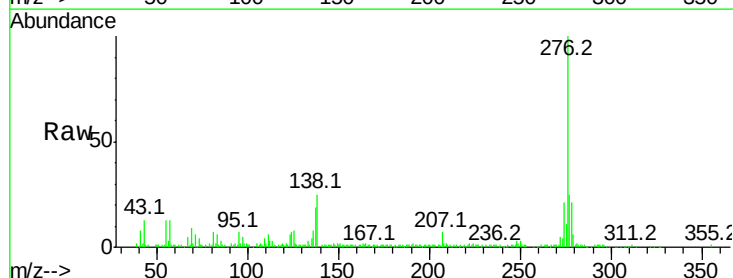
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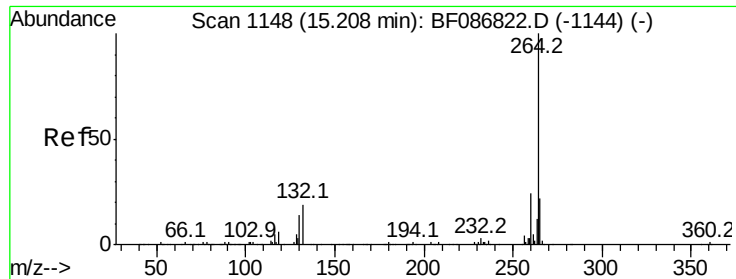
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.08 ng
RT: 16.35 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF087095.D
Acq: 16 May 2016 21:48

Tgt Ion:	276	Resp:	145553
Ion Ratio	Lower	Upper	
276	100		
138	27.2	25.6	38.4
277	28.1	20.5	30.7





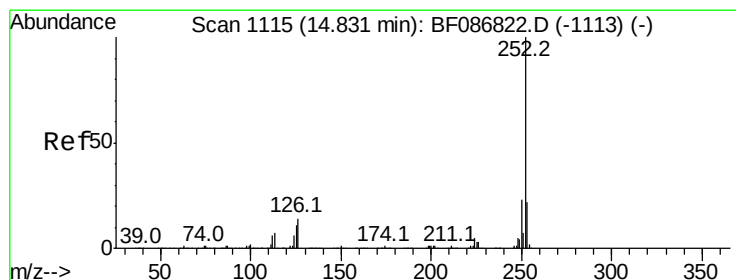
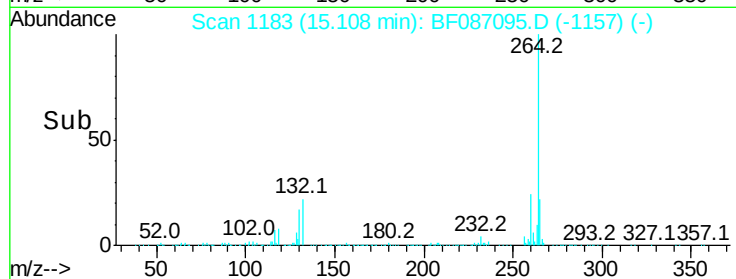
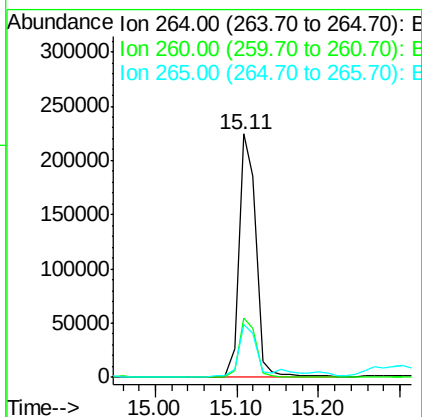
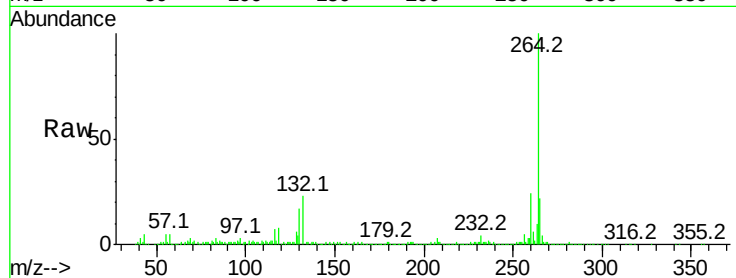
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF087095.D
Acq: 16 May 2016 21:48

Instrument :
BNA_F
ClientSampleId :
E-10(8.5-9)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.0	17.3	25.9

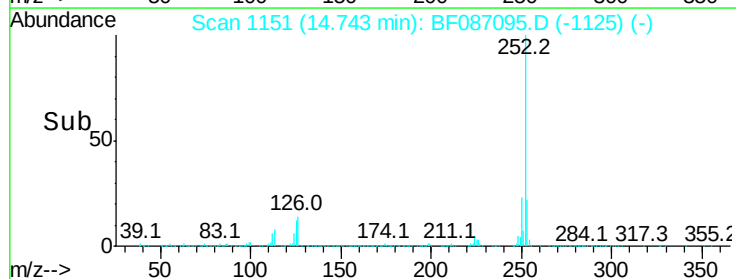
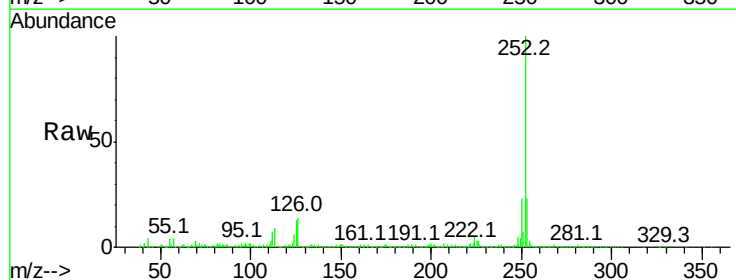
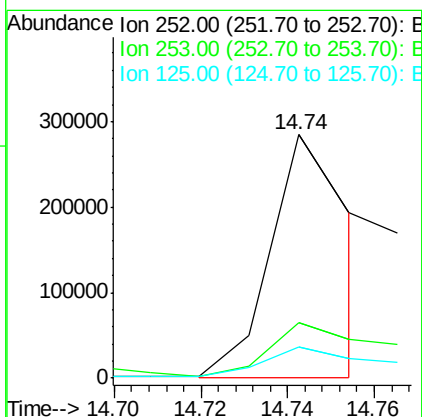
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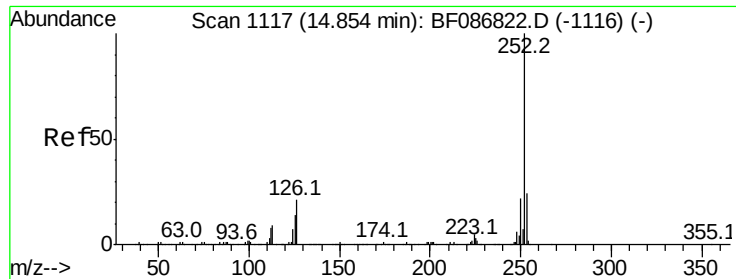
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#87
Benzo(b)fluoranthene
Concen: 17.51 ng m
RT: 14.74 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF087095.D
Acq: 16 May 2016 21:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	12.7	11.4	17.0





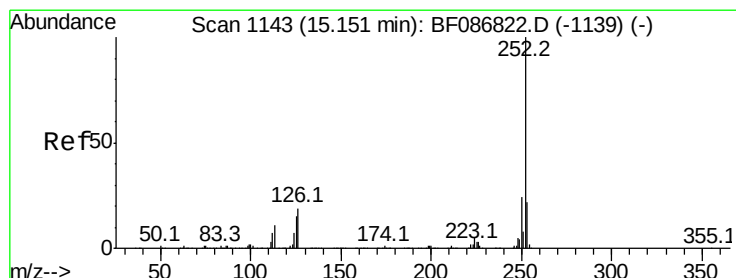
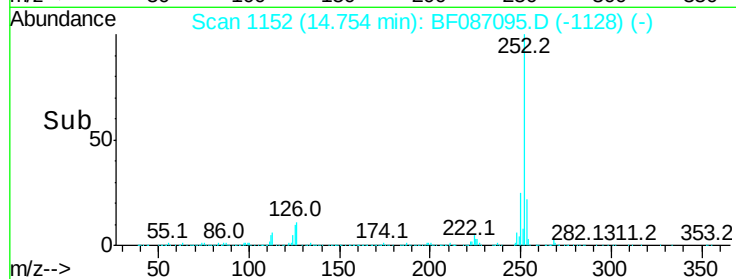
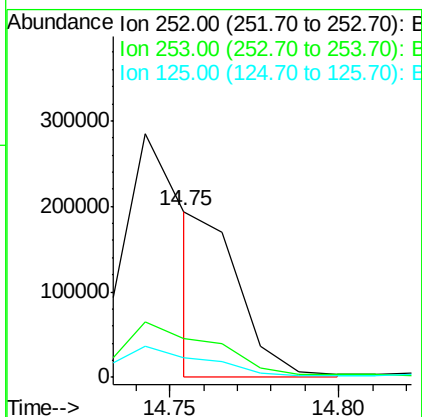
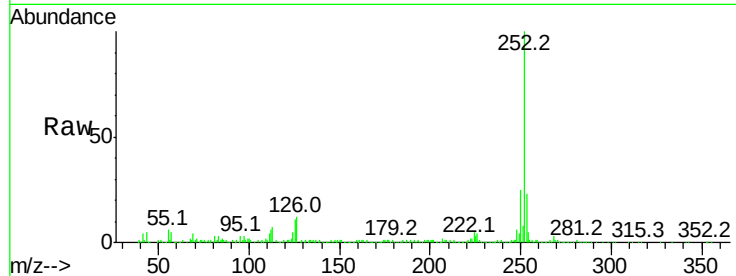
#88
Benzo(k)fluoranthene
Concen: 8.78 ng m
RT: 14.75 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF087095.D
Acq: 16 May 2016 21:48

Instrument :
BNA_F
ClientSampleId :
E-10(8.5-9)DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	149055		
253	23.1		17.8	26.6
125	11.4		9.1	13.7

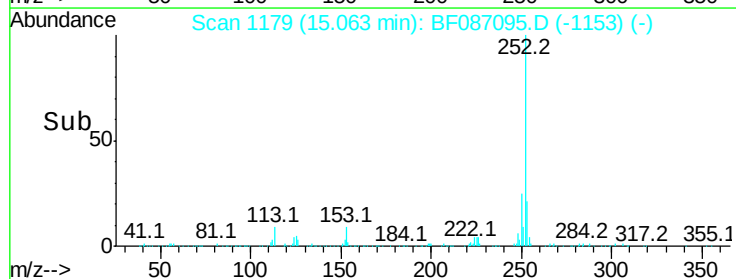
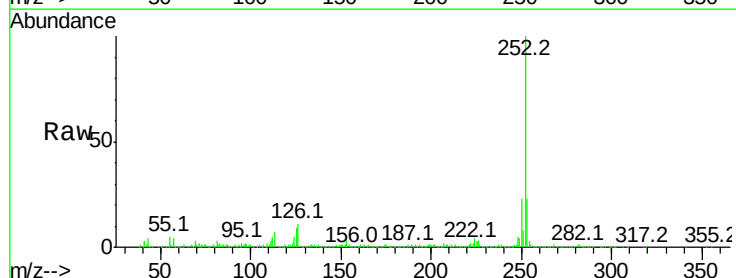
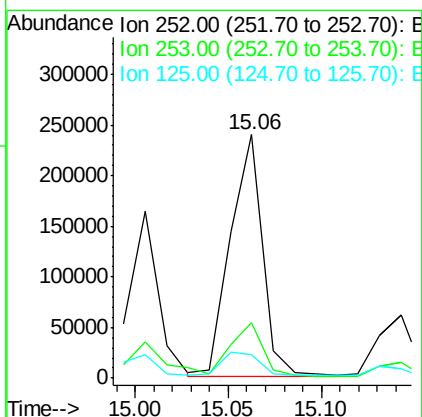
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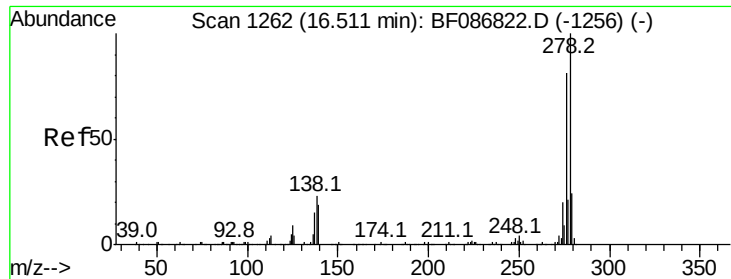
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#89
Benzo(a)pyrene
Concen: 16.20 ng
RT: 15.06 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF087095.D
Acq: 16 May 2016 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	289724		
253	22.6		17.2	25.8
125	9.4		9.0	13.6





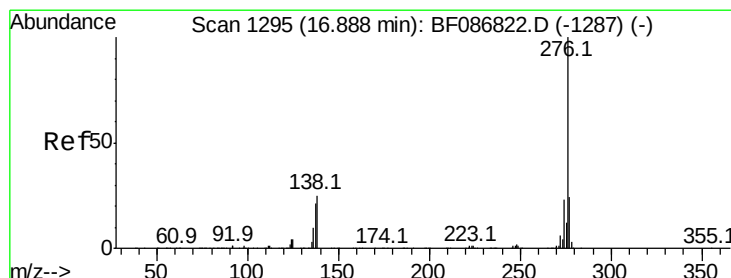
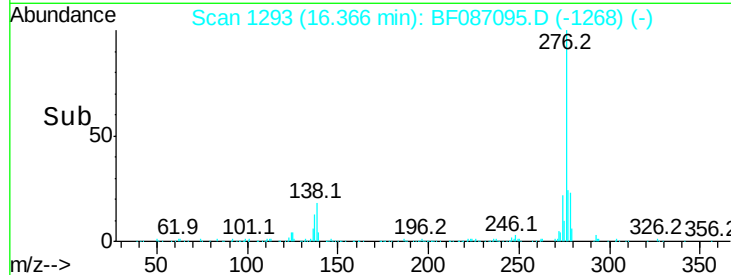
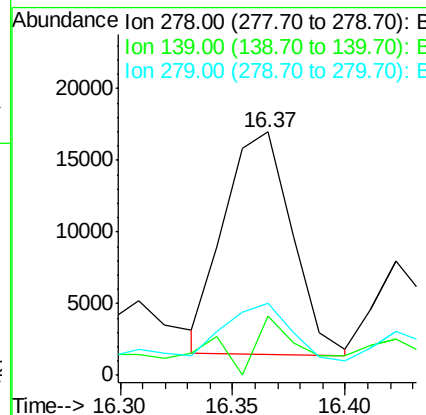
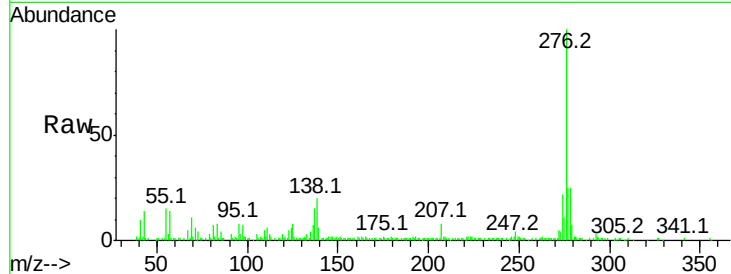
#90
Dibenzo(a,h)anthracene
Concen: 2.15 ng/mL
RT: 16.37 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF087095.D
Acq: 16 May 2016 21:48

Instrument :
BNA_F
ClientSampleId :
E-10(8.5-9)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.3	16.6	24.8
279	29.6	19.6	29.4

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#91
Benzo(g,h,i)perylene
Concen: 8.53 ng/mL
RT: 16.73 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF087095.D
Acq: 16 May 2016 21:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.6	29.4
138	25.7	23.6	35.4

