

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
 Data File : BF090214.D
 Acq On : 23 Sep 2016 22:50
 Operator : UM/SJ
 Sample : H4927-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-18B

Manual Integrations
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Quant Time: Sep 26 05:34:31 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 23:35:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	125336	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	469817	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	202906	20.00	ng	0.00
63) Phenanthrene-d10	10.99	188	265714	20.00	ng	0.01
75) Chrysene-d12	13.61	240	257987	20.00	ng	0.01
86) Perylene-d12	14.93	264	212232	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	737994	95.98	ng	0.01
7) Phenol-d6	6.16	99	1042772	109.81	ng	0.01
23) Nitrobenzene-d5	7.06	82	466215	57.52	ng	0.00
41) 2,4,6-Tribromophenol	10.31	330	156539	89.93	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	817998	79.14	ng	0.00
78) Terphenyl-d14	12.57	244	630159	62.01	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.26	163	294544	22.79	ng	99
51) Acenaphthene	9.55	154	92217	8.93	ng	97
57) Fluorene	10.07	166	68897	6.73	ng	# 98
70) Phenanthrene	11.02	178	807324	64.97	ng	99
71) Anthracene	11.06	178	252245	19.35	ng	98
74) Fluoranthene	12.19	202	423305	31.73	ng	94
77) Pyrene	12.41	202	713014	40.39	ng	# 92
80) Benzo(a)anthracene	13.60	228	302517	21.80	ng	98
82) Chrysene	13.63	228	308276	22.80	ng	98
85) Indeno(1,2,3-cd)pyrene	16.08	276	44835	4.10	ng	# 90
87) Benzo(b)fluoranthene	14.59	252	173365m	14.75	ng	
88) Benzo(k)fluoranthene	14.61	252	31188m	2.83	ng	
89) Benzo(a)pyrene	14.88	252	148882	13.47	ng	# 95
90) Dibenzo(a,h)anthracene	16.09	278	17832m	2.07	ng	
91) Benzo(a,h,i)perylene	16.42	276	47955	5.68	ng	97

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

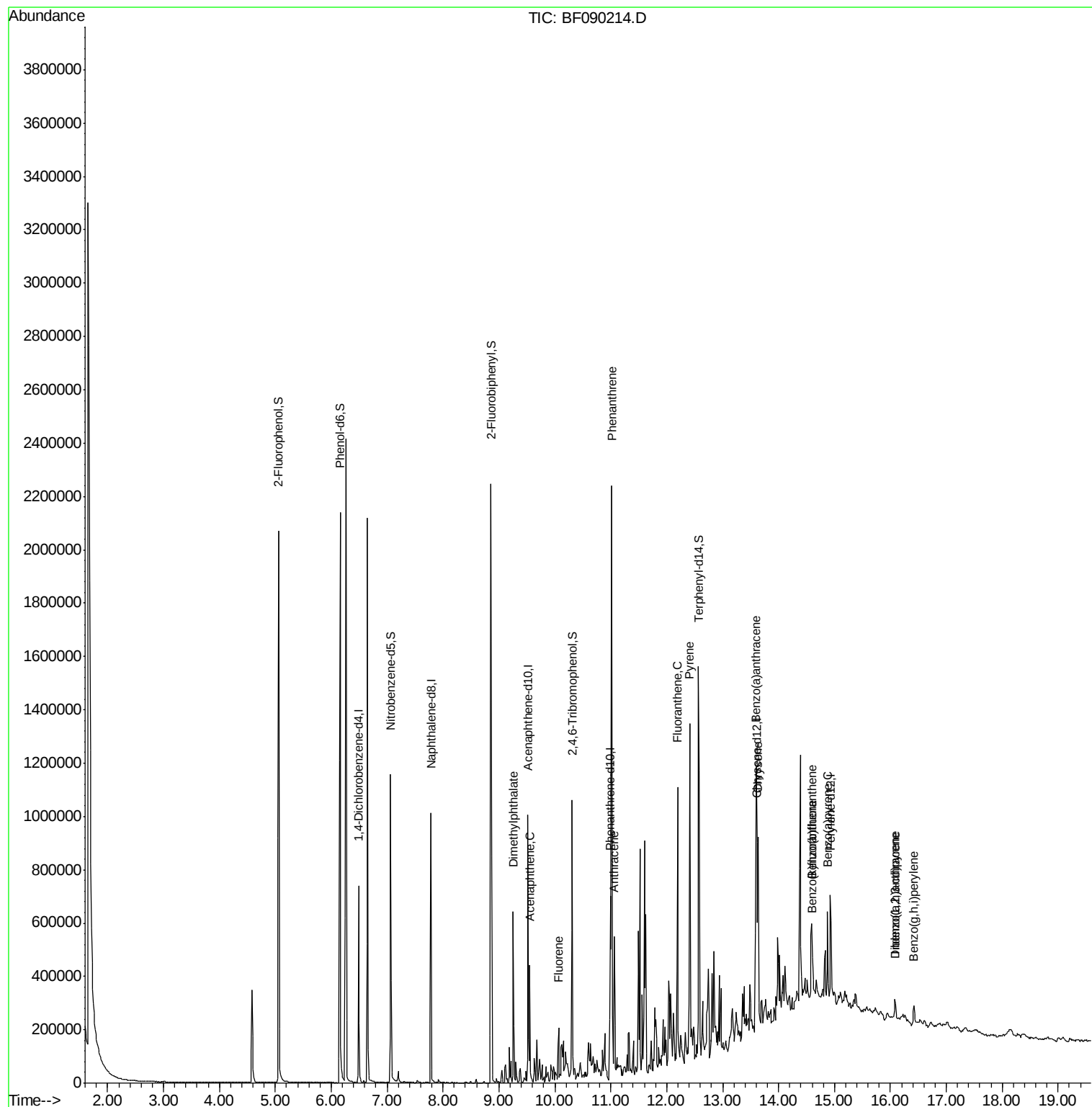
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

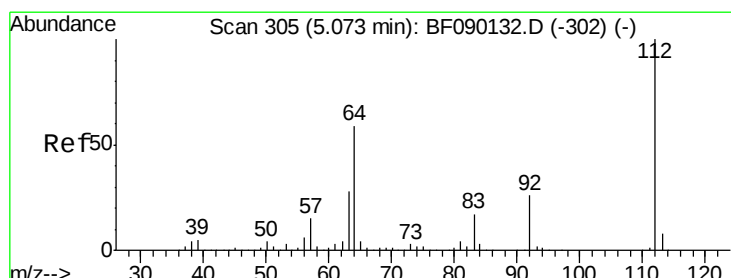
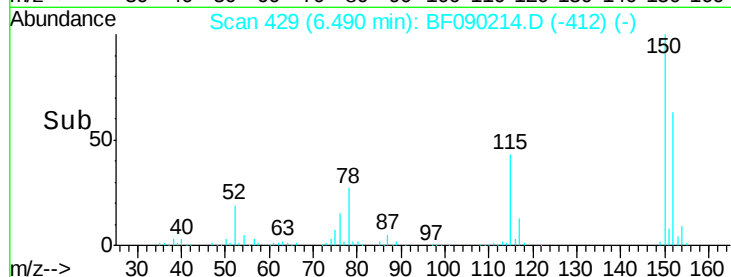
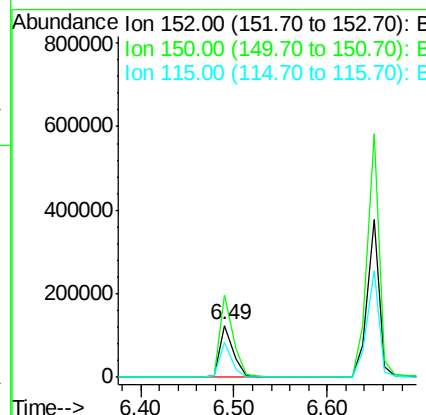
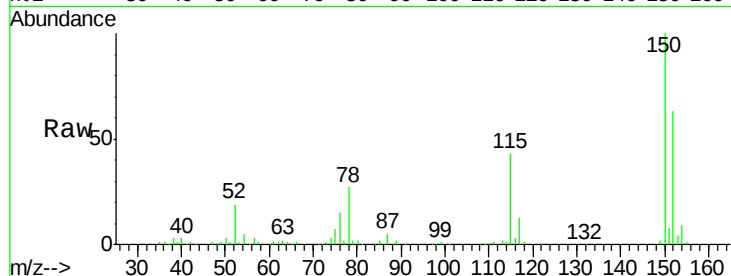
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 429
Delta R.T. -0.00 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18B

Tot Ion	Ratio	Resp	Lower	Upper
152	100	125336		
150	159.6	128.9	193.3	
115	67.9	55.5	83.3	

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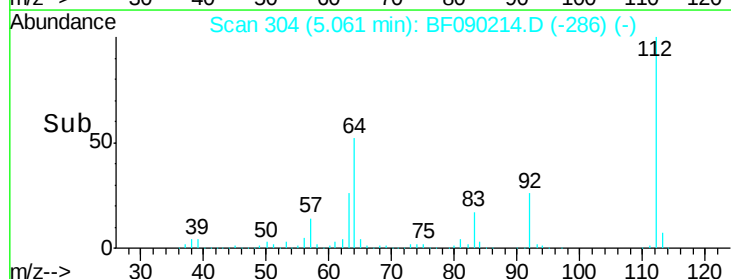
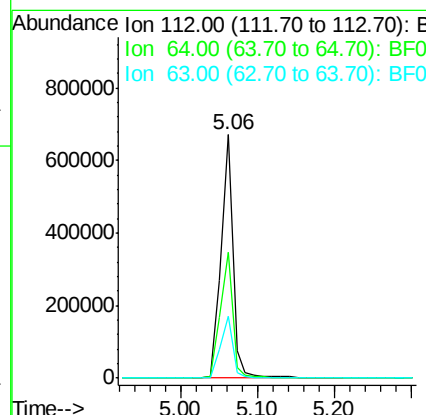
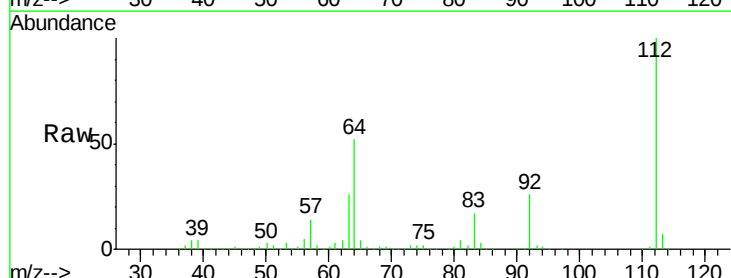
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#5

2-Fluorophenol
Concen: 95.98 ng
RT: 5.06 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	737994		
64	51.8	39.8	59.6	
63	25.5	18.9	28.3	





#7

Phenol-d6

Concen: 109.81 ng

RT: 6.16 min Scan# 400

Delta R.T. 0.01 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18B

Tot Ion: 99 Resp: 1042772

Ion Ratio Lower Upper

99 100

42 11.9 10.6 15.8

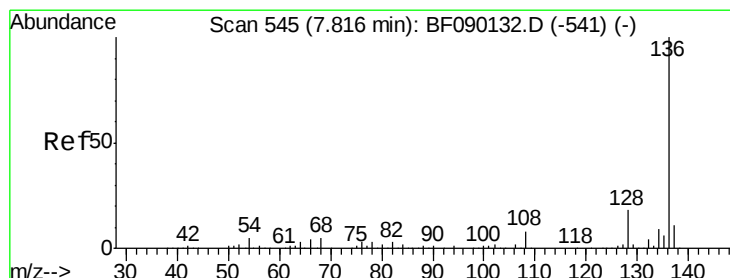
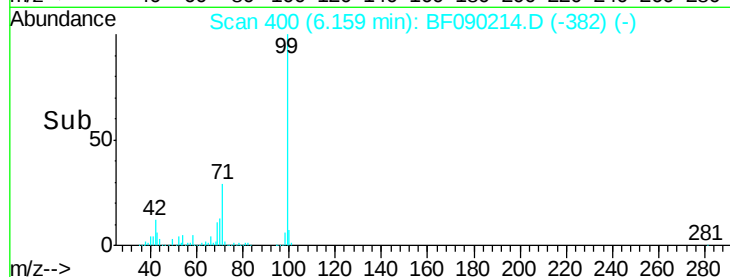
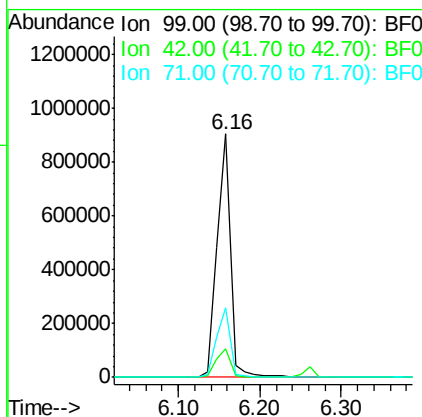
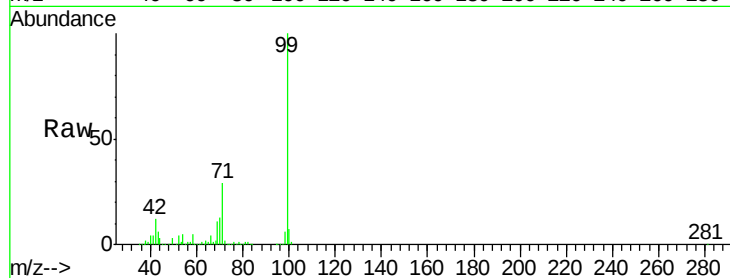
71 28.6 23.0 34.6

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 542

Delta R.T. -0.00 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

Tgt Ion: 136 Resp: 469817

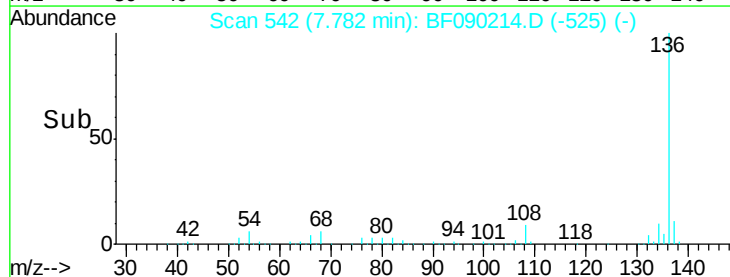
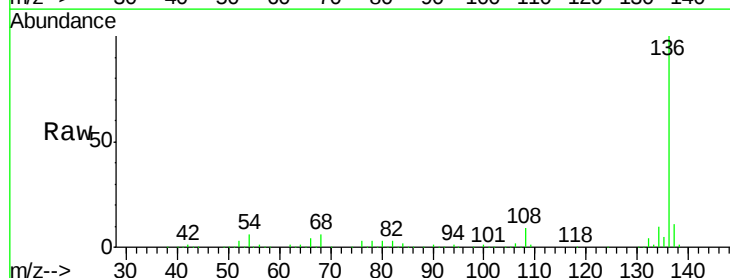
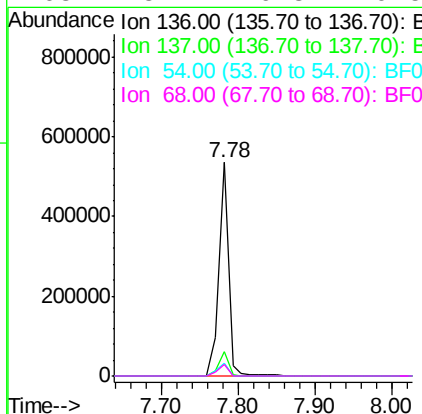
Ion Ratio Lower Upper

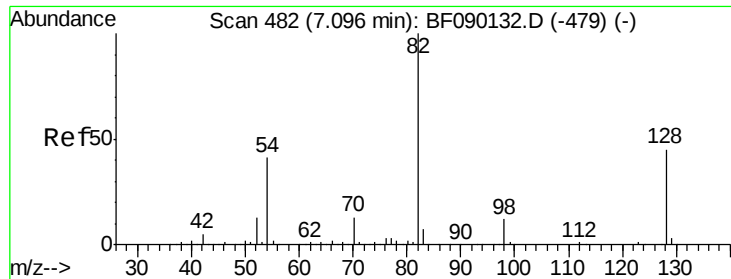
136 100

137 11.2 9.0 13.4

54 5.7 6.4 9.6#

68 5.7 6.3 9.5#





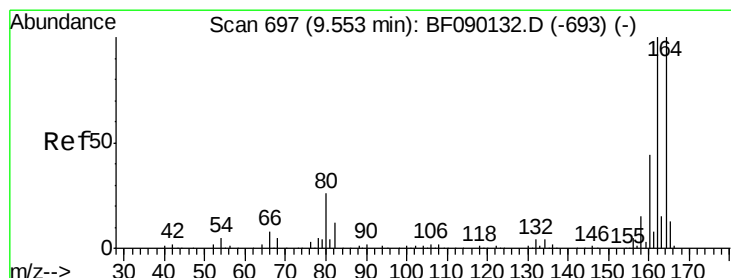
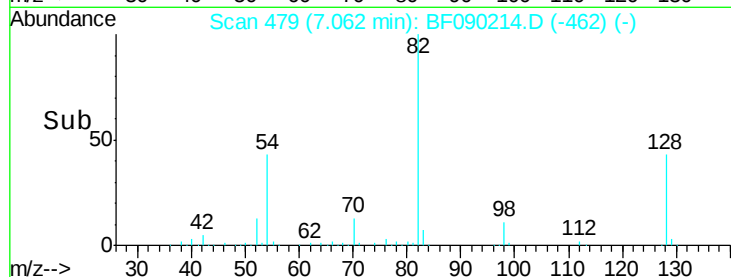
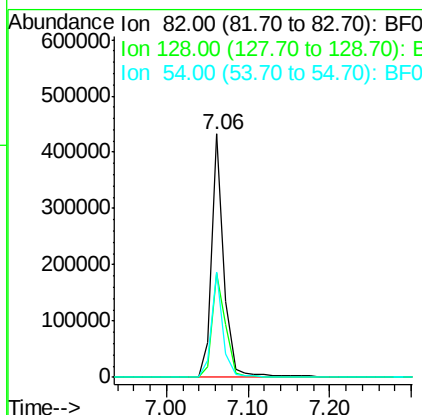
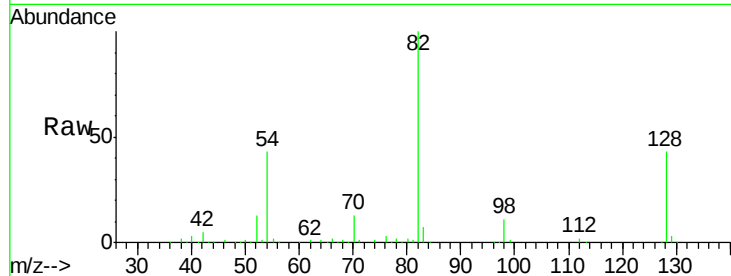
#23
 Nitrobenzene-d5
 Concen: 57.52 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: BF090214.D
 Acq: 23 Sep 2016 22:50

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-18B

Tot Ion:	82	Resp:	466215
Ion Ratio	Lower	Upper	
82	100		
128	42.8	37.5	56.3
54	43.2	31.9	47.9

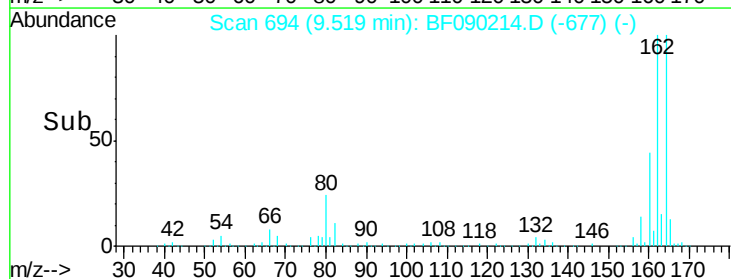
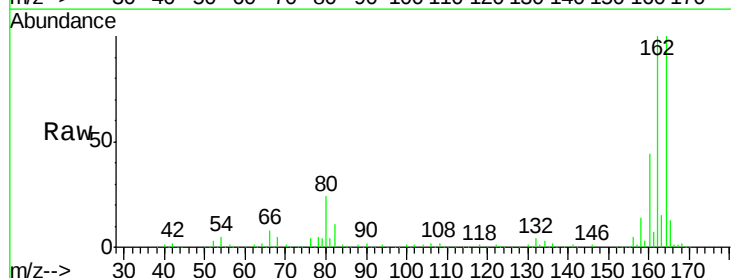
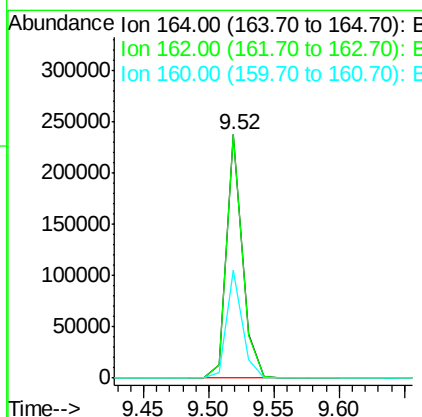
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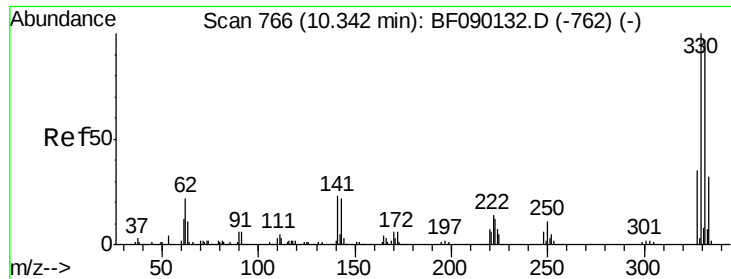
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: BF090214.D
 Acq: 23 Sep 2016 22:50

Tgt Ion:	164	Resp:	202906
Ion Ratio	Lower	Upper	
164	100		
162	100.1	81.4	122.2
160	44.2	36.6	54.8





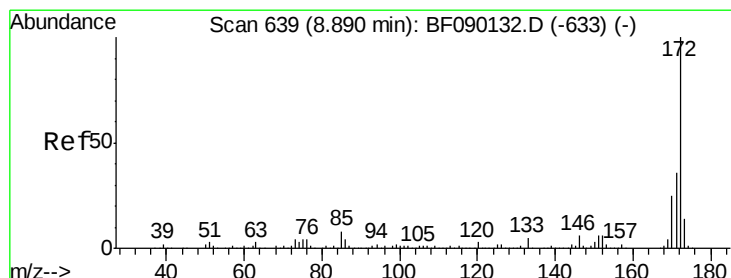
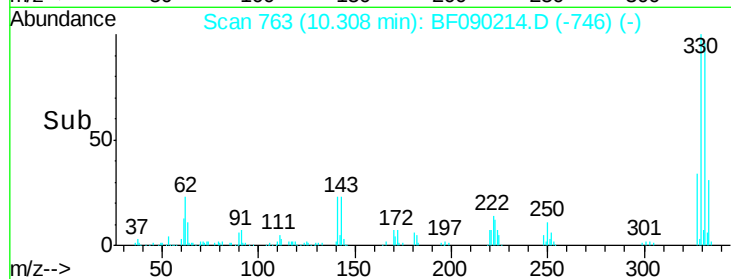
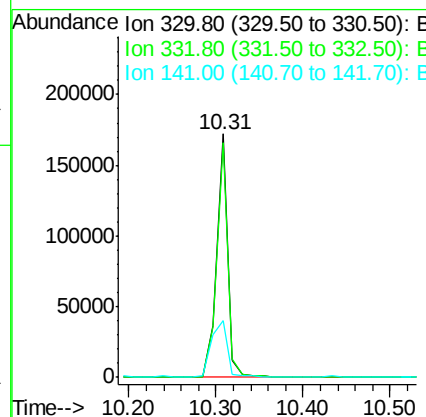
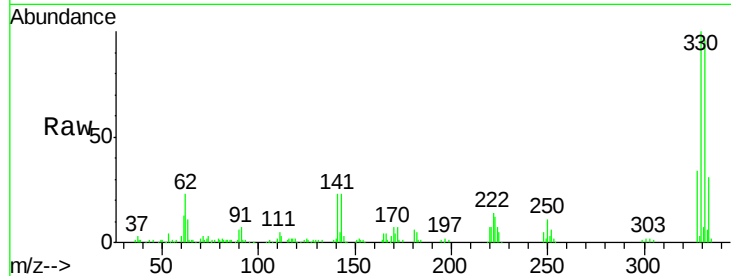
#41
 2,4,6-Tribromophenol
 Concen: 89.93 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: BF090214.D
 Acq: 23 Sep 2016 22:50

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-18B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	156539		
332	96.9	78.1	117.1	
141	32.6	23.9	35.9	

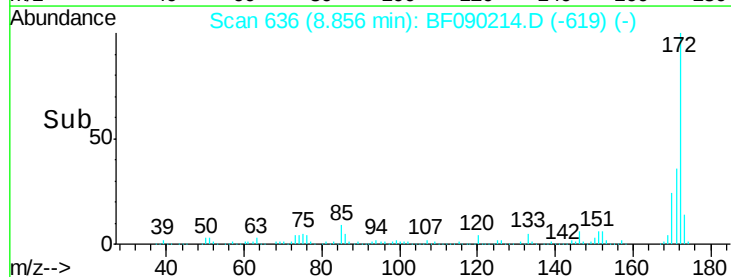
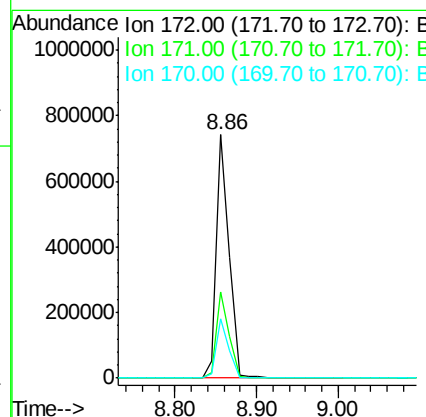
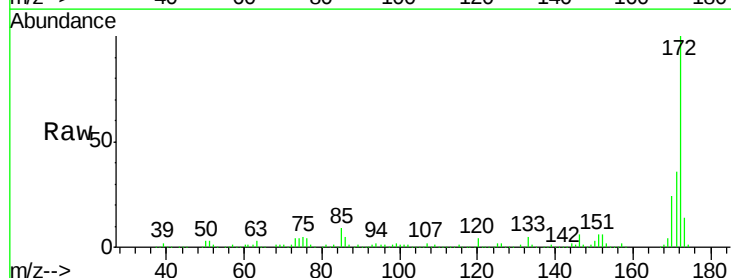
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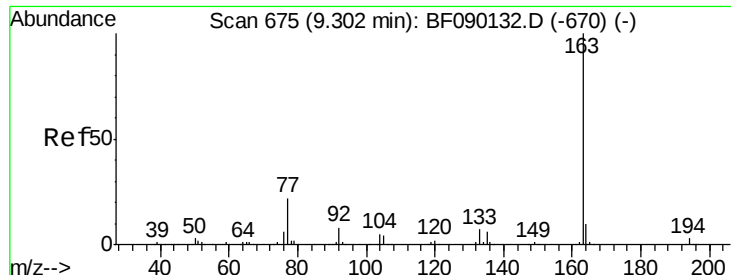
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#44
 2-Fluorobiphenyl
 Concen: 79.14 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: BF090214.D
 Acq: 23 Sep 2016 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	817998		
171	35.6	29.2	43.8	
170	24.3	19.8	29.8	





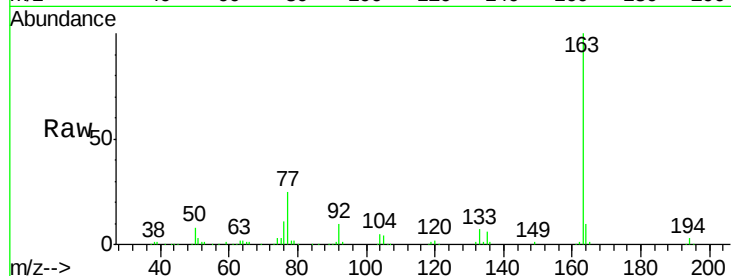
#49
Dimethylphthalate
Concen: 22.79 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18B

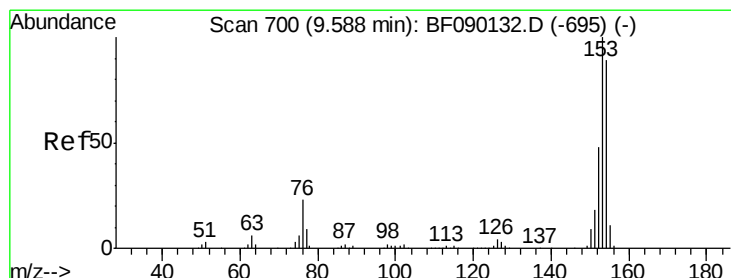
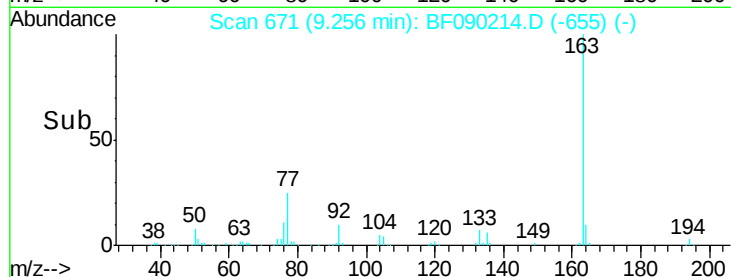
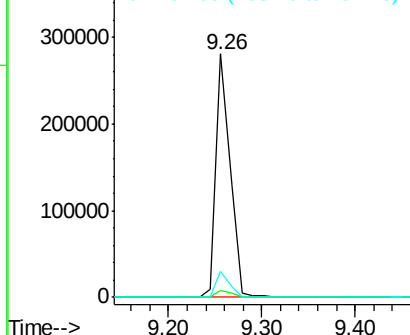
Tot Ion	Ratio	Resp	Lower	Upper
163	100	294544		
194	2.9		2.8	4.2
164	10.4		8.1	12.1

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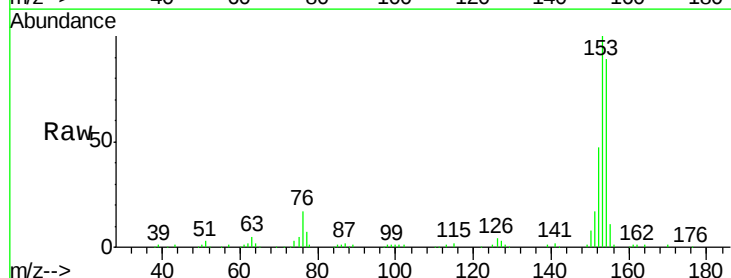


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

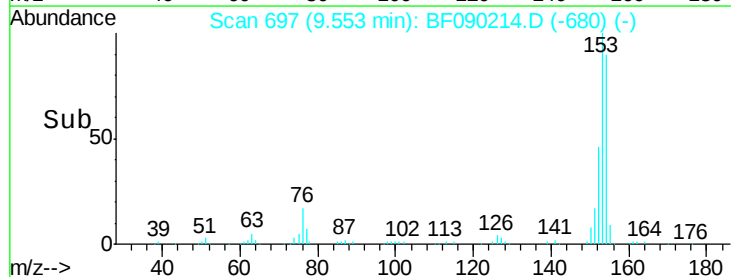
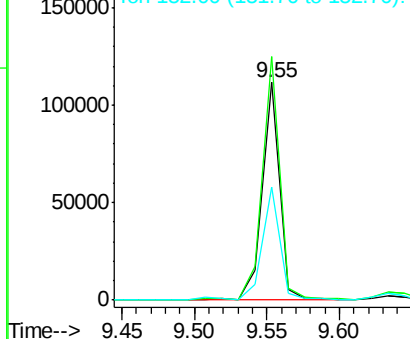


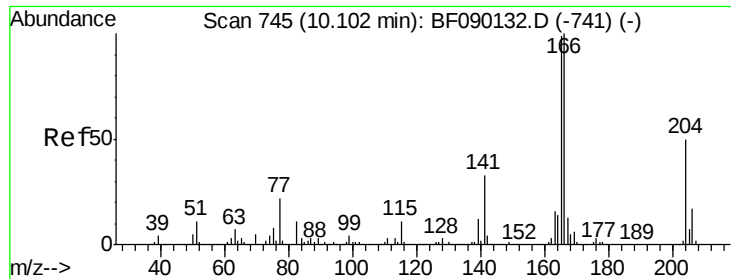
#51
Acenaphthene
Concen: 8.93 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	92217		
153	111.8		90.8	136.2
152	52.0		44.2	66.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





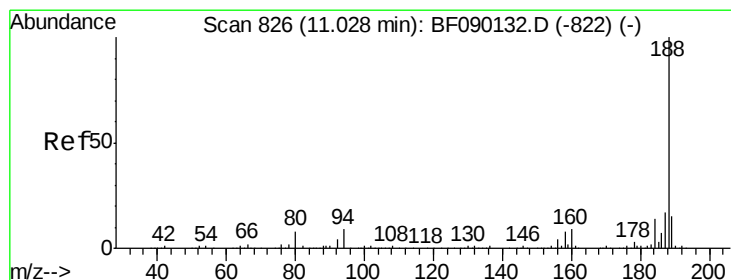
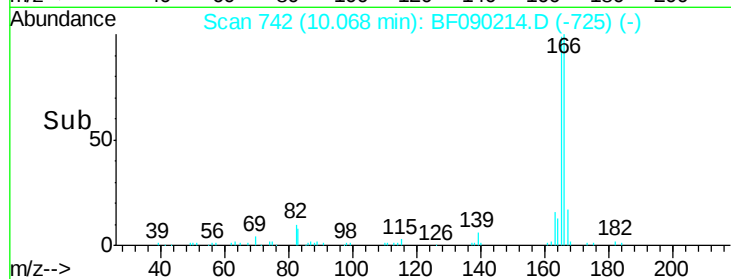
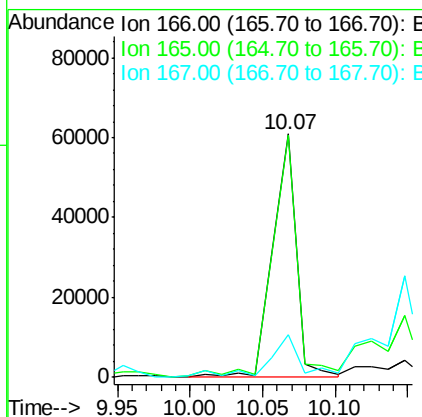
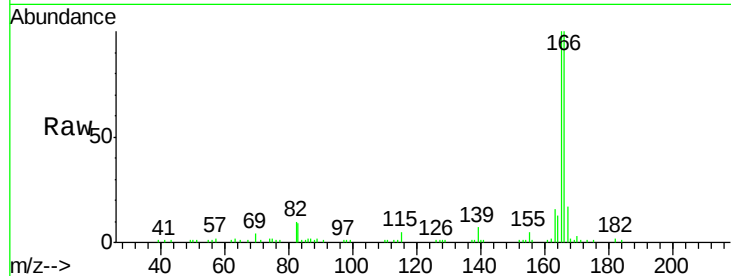
#57
Fluorene
 Concen: 6.73 ng
 RT: 10.07 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: BF090214.D
 Acq: 23 Sep 2016 22:50

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-18B

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.5	117.7
167	17.3	11.2	16.8#

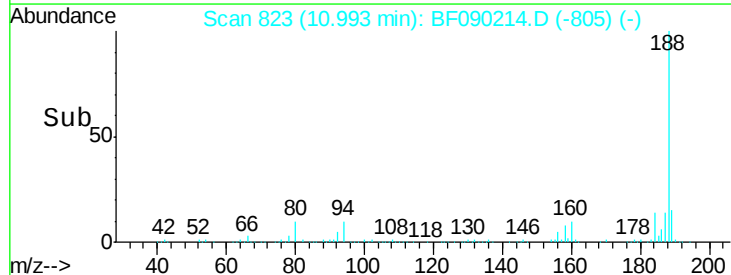
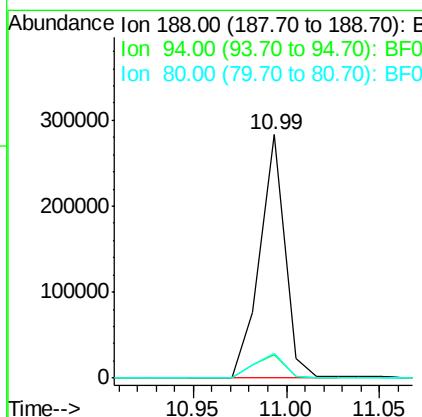
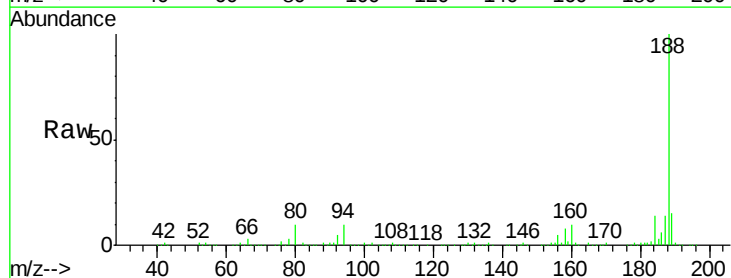
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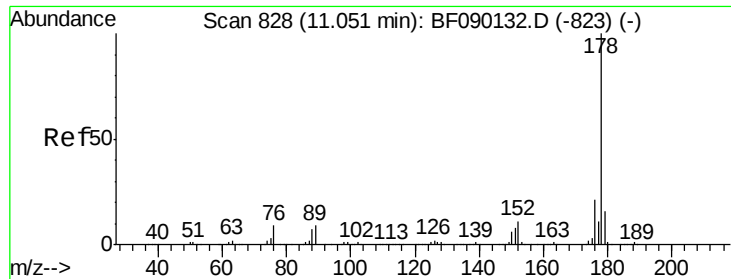
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: BF090214.D
 Acq: 23 Sep 2016 22:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	10.5	15.7#
80	10.2	11.2	16.8#





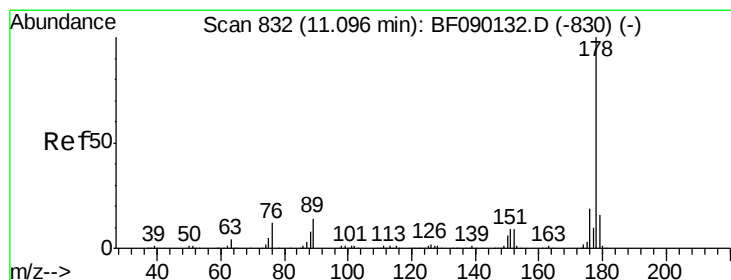
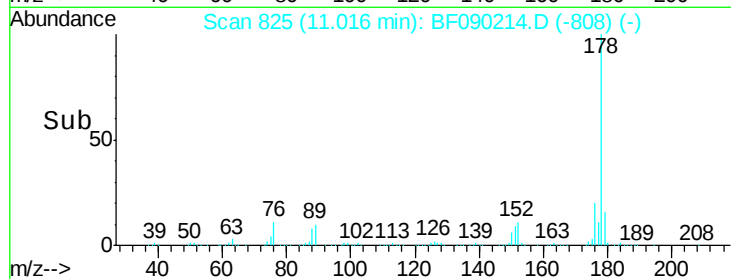
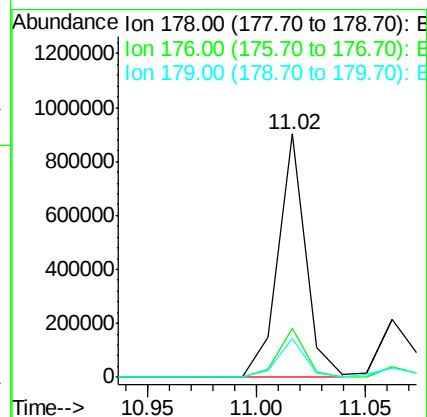
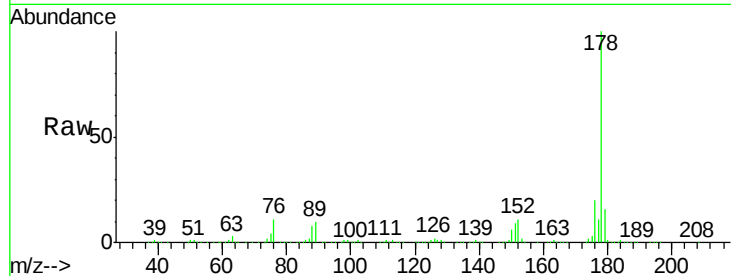
#70
Phenanthrene
Concen: 64.97 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.00 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18B

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	15.8	12.9	19.3

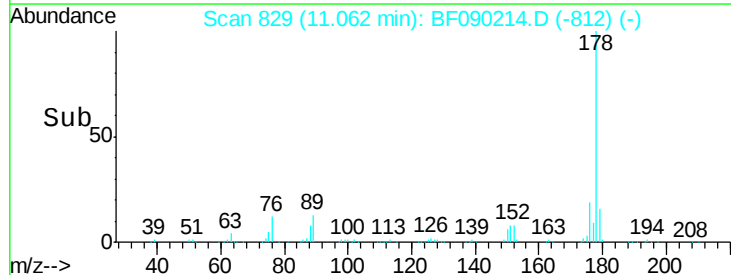
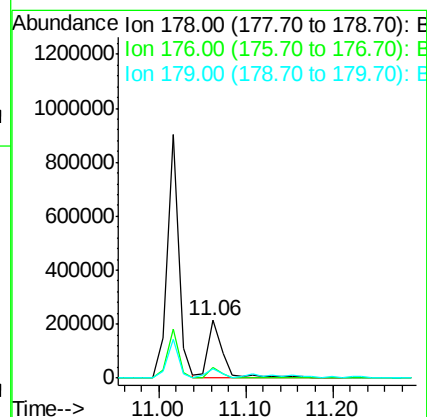
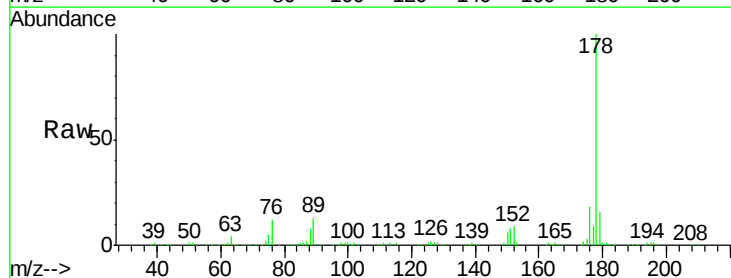
Manual Integrations
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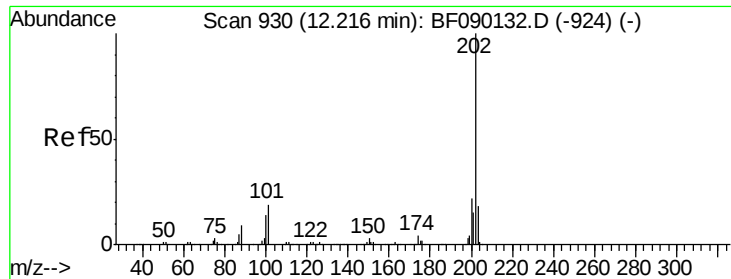
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#71
Anthracene
Concen: 19.35 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.6
179	16.0	12.6	19.0





#74

Fluoranthene

Concen: 31.73 ng

RT: 12.19 min Scan# 928

Delta R.T. 0.01 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

Instrument :

BNA_F

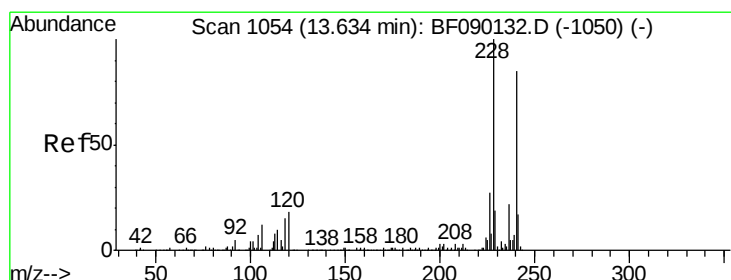
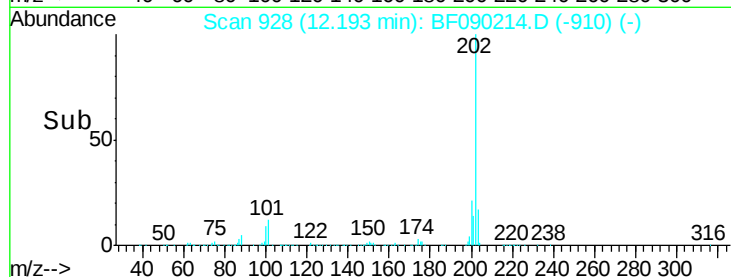
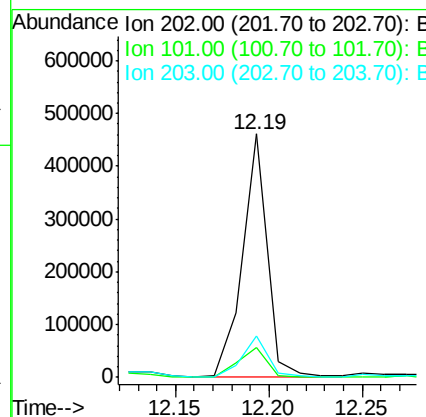
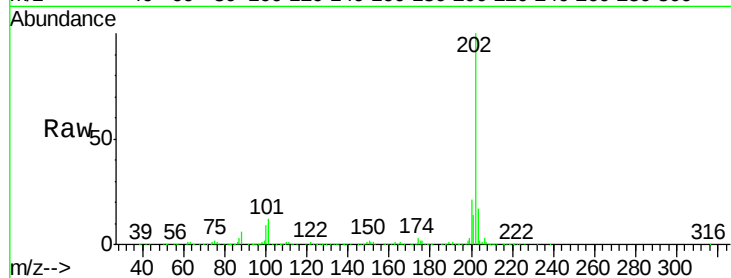
ClientSampleId :

TRACK-D-GRID-18B

Tot Ion	Ratio	Resp	Lower	Upper
202	100	423305		
101	12.0	0.0	36.1	
203	17.3	0.0	38.2	

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#75

Chrysene-d12

Concen: 20.00 ng

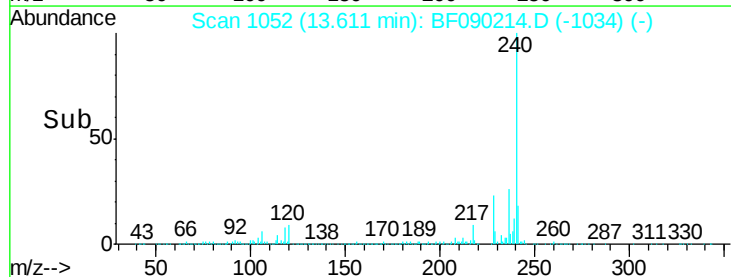
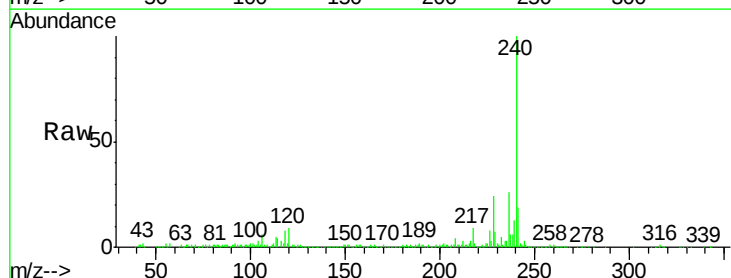
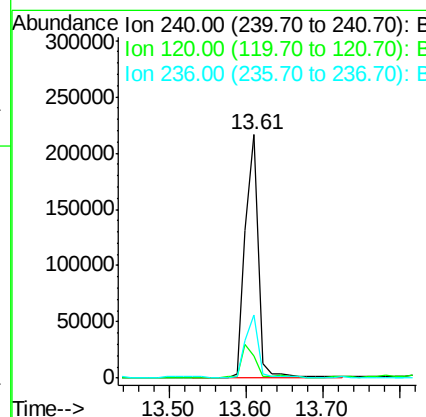
RT: 13.61 min Scan# 1052

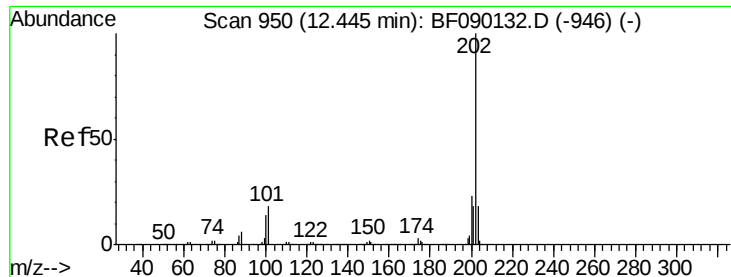
Delta R.T. 0.01 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	257987		
120	9.1	10.6	16.0#	
236	25.9	21.6	32.4	





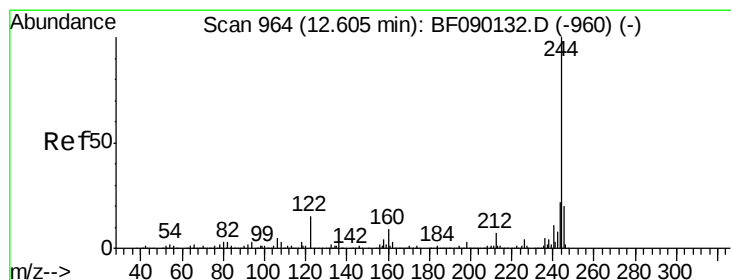
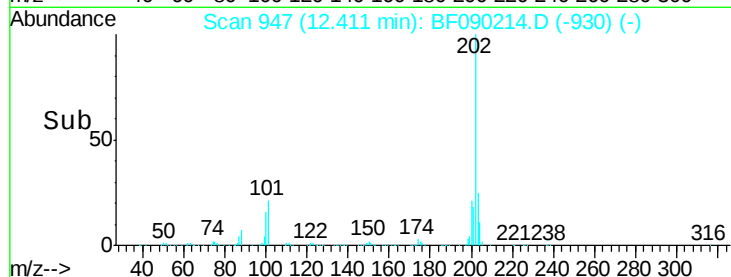
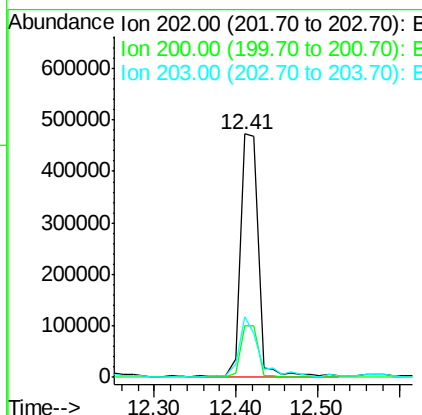
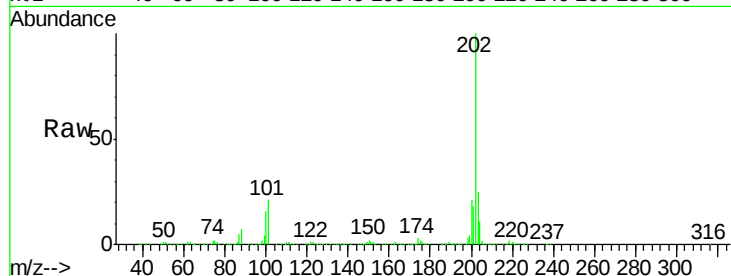
#77
Pvrene
Concen: 40.39 ng
RT: 12.41 min Scan# 947
Delta R.T. -0.00 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18B

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.9	26.9
203	24.7	14.2	21.4

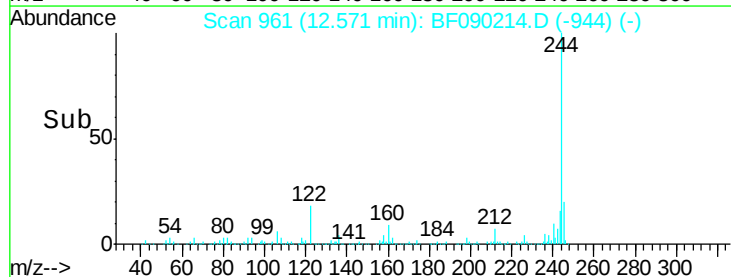
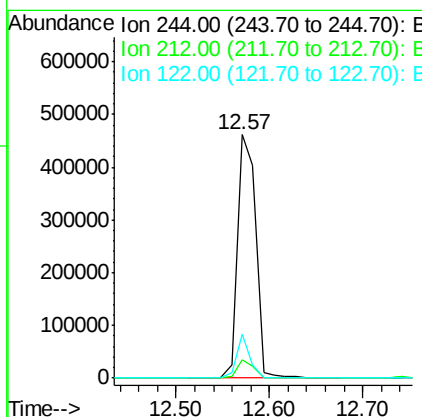
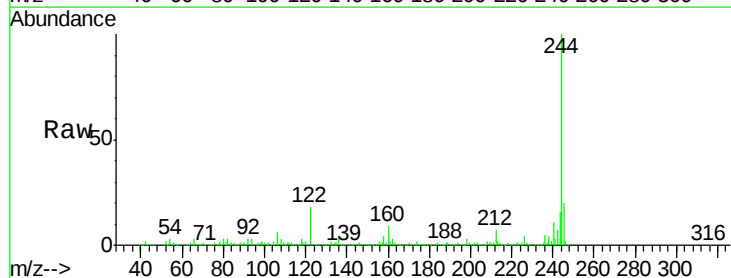
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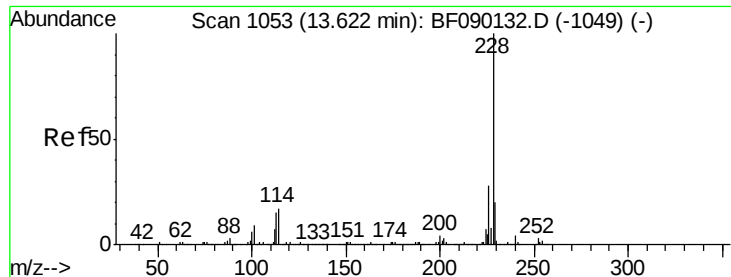
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#78
Terphenyl-d14
Concen: 62.01 ng
RT: 12.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	18.2	9.4	14.0





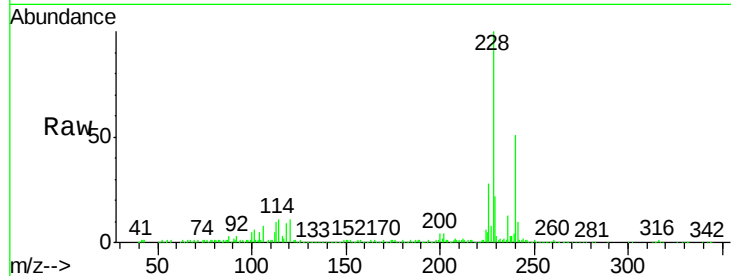
#80
Benzo(a)anthracene
Concen: 21.80 ng
RT: 13.60 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18B

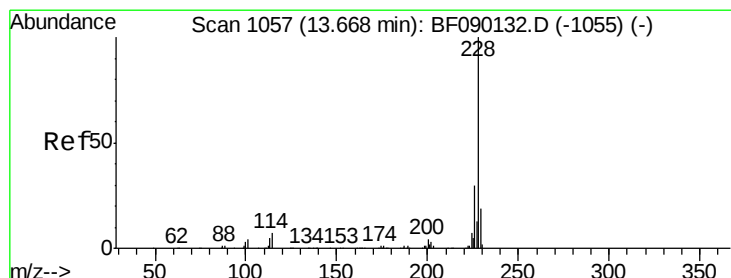
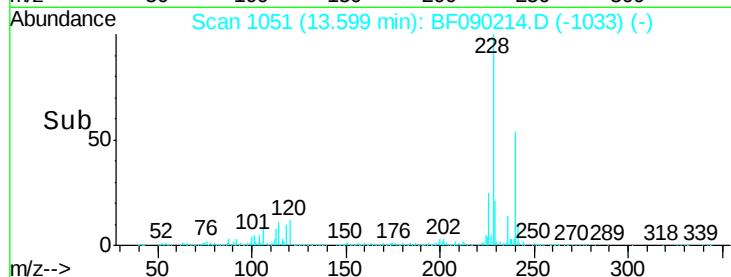
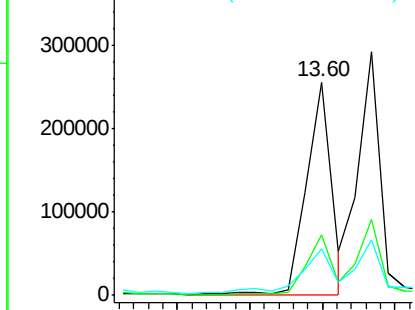
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.0	33.0
229	21.9	16.2	24.2

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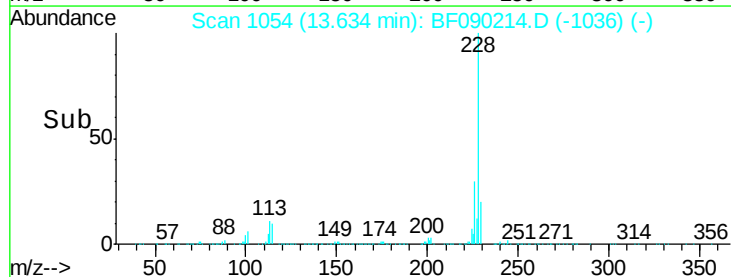
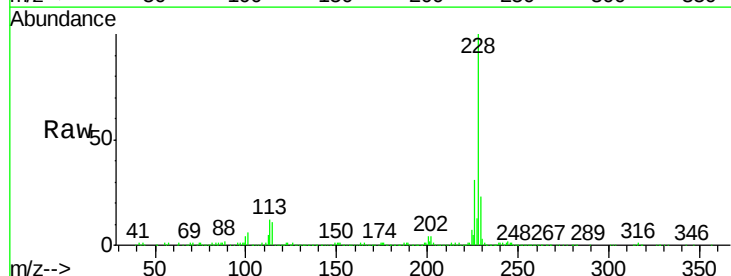
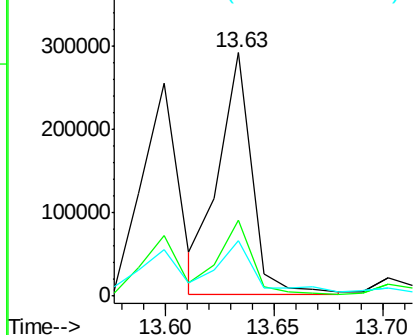
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

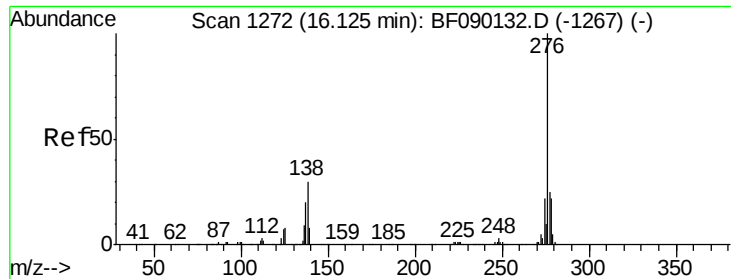


#82
Chrysene
Concen: 22.80 ng
RT: 13.63 min Scan# 1054
Delta R.T. 0.01 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.6	37.0
229	22.8	16.2	24.4

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





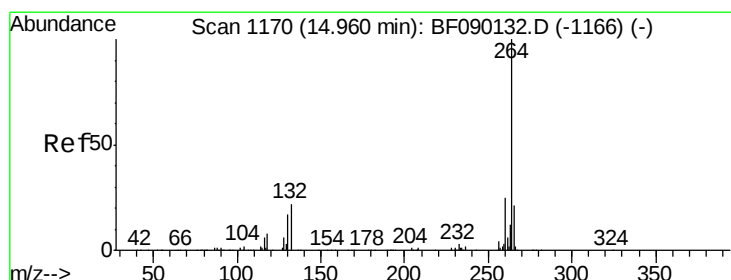
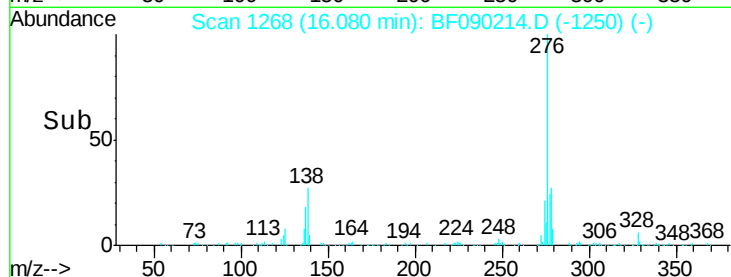
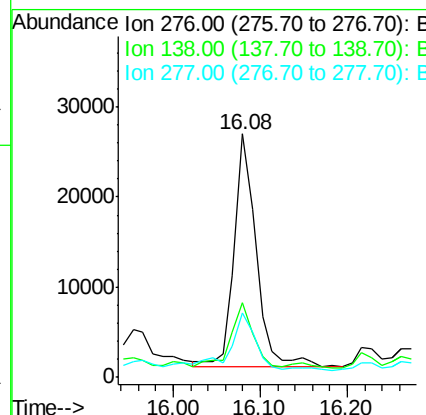
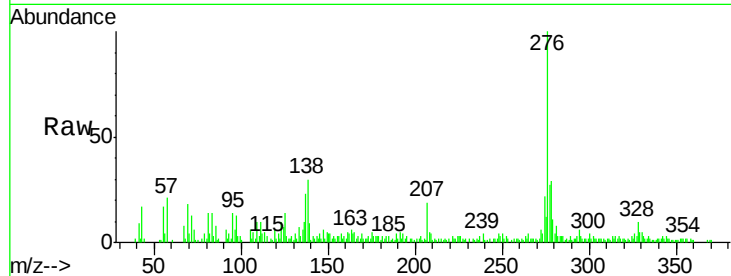
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.10 ng
RT: 16.08 min Scan# 1268
Delta R.T. 0.01 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18B

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.2	25.9	38.9
277	31.3	19.9	29.9

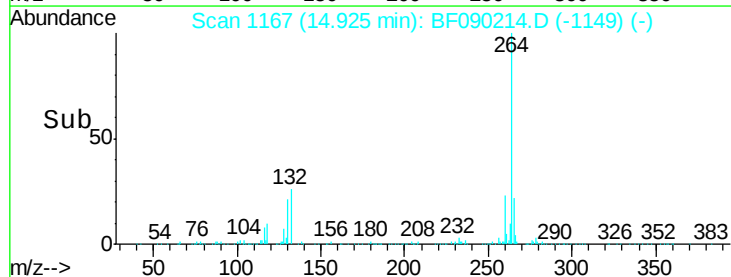
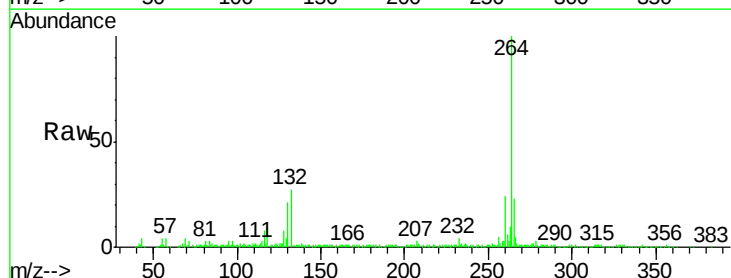
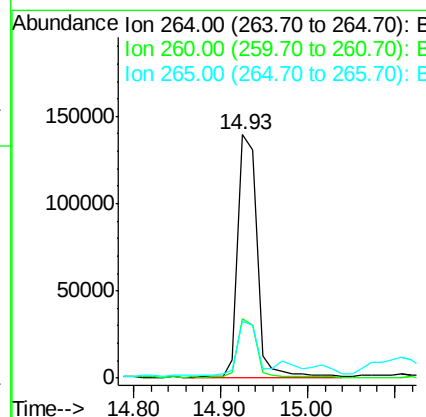
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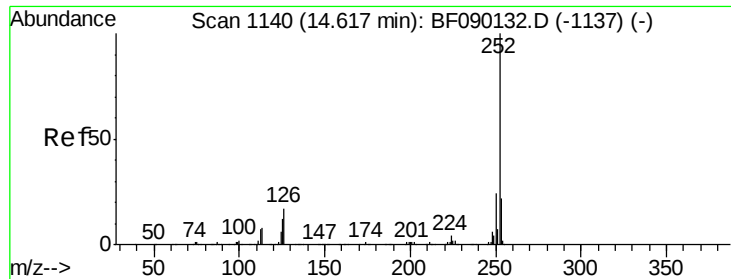
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#86
Perylene-d12
Concen: 20.00 ng
RT: 14.93 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	23.2	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 14.75 ng m

RT: 14.59 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

Instrument :

BNA_F

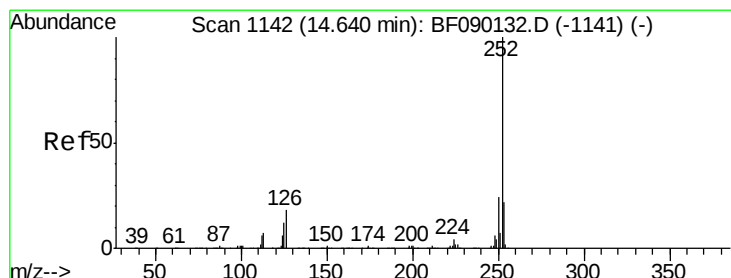
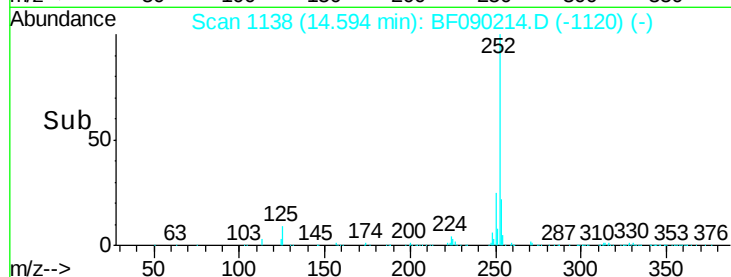
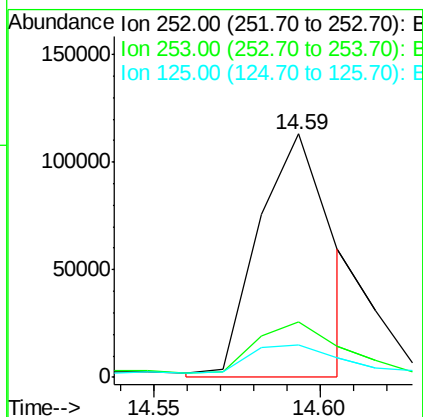
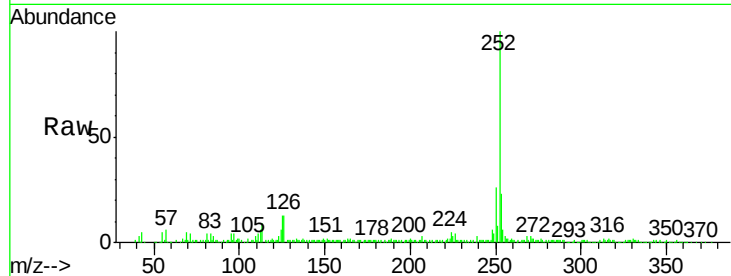
ClientSampleId :

TRACK-D-GRID-18B

Tot Ion:	252	Resp:	173365
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.9	26.9
125	13.5	12.7	19.1

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#88

Benzo(k)fluoranthene

Concen: 2.83 ng m

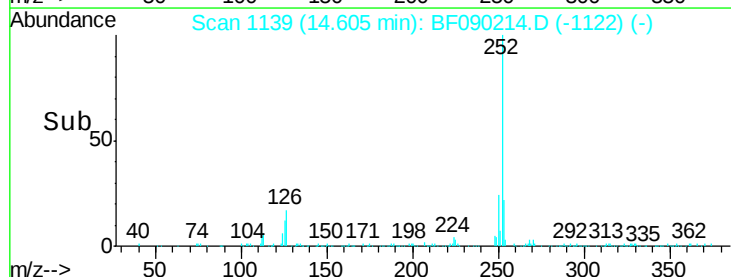
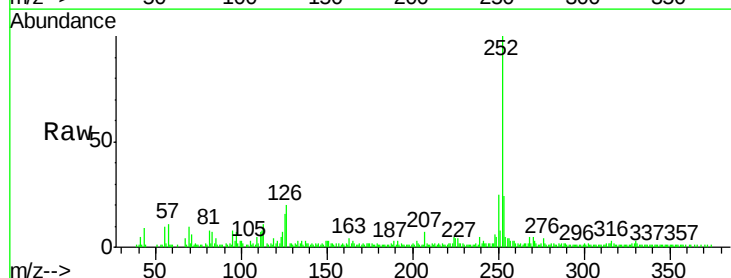
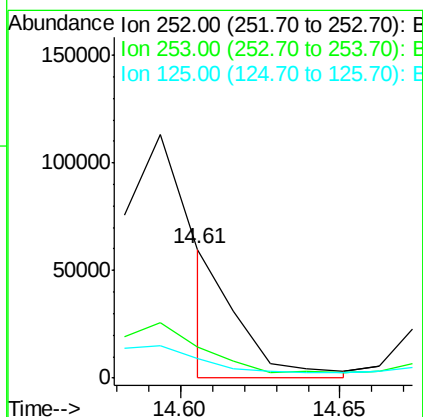
RT: 14.61 min Scan# 1139

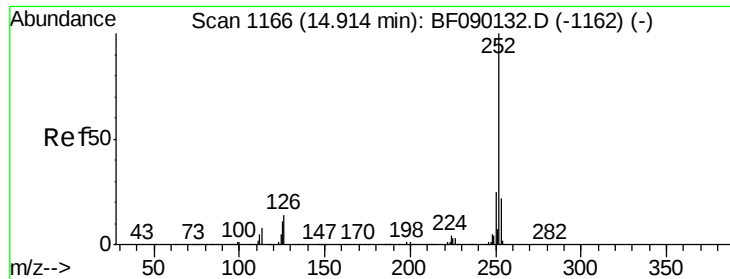
Delta R.T. -0.00 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

Tgt Ion:	252	Resp:	31188
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.8	26.8
125	15.6	7.8	11.6#





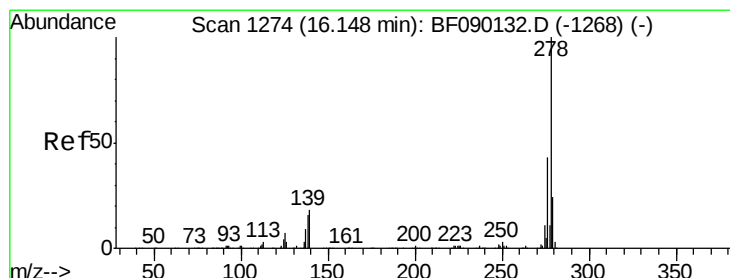
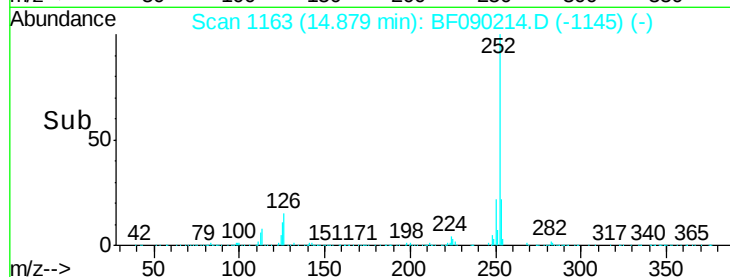
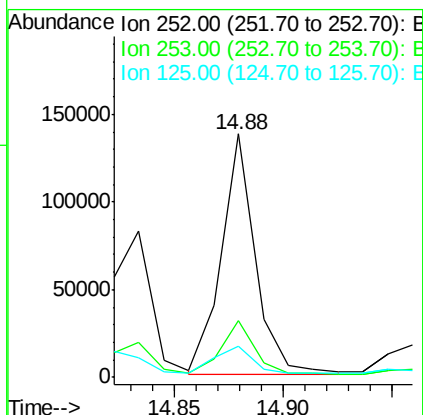
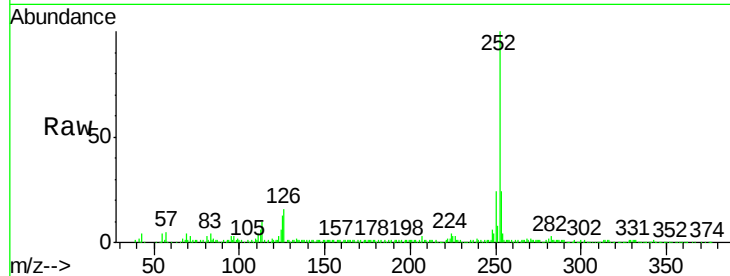
#89
Benzo(a)pyrene
Concen: 13.47 ng
RT: 14.88 min Scan# 1163
Delta R.T. 0.01 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18B

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.5	17.4	26.0	
125	12.8	7.7	11.5	

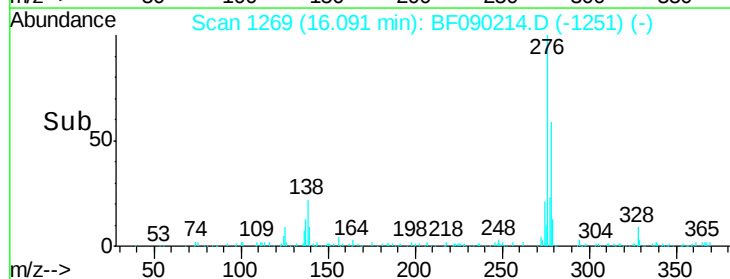
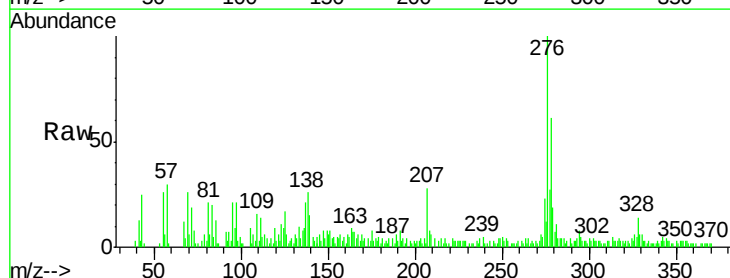
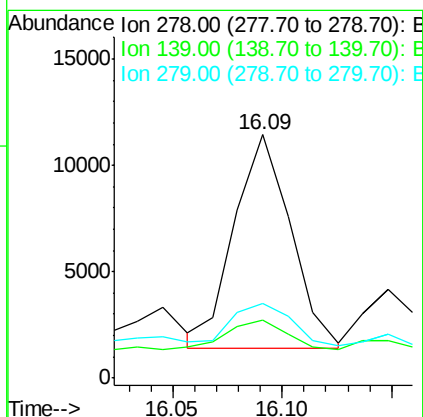
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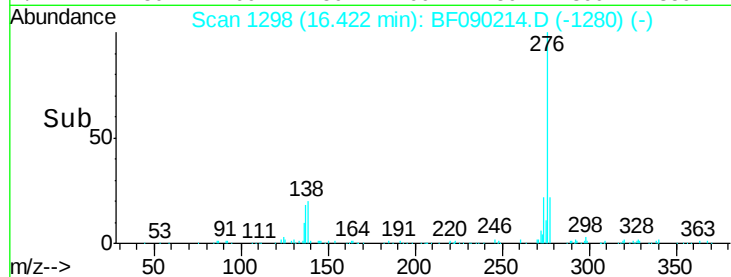
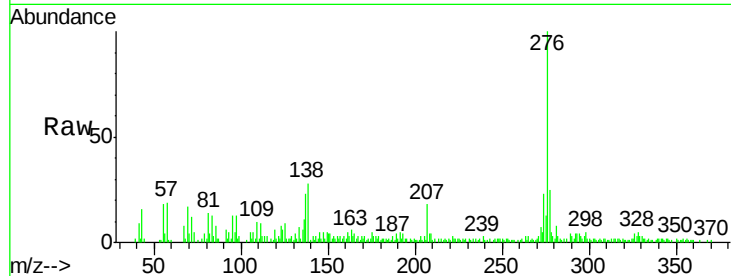
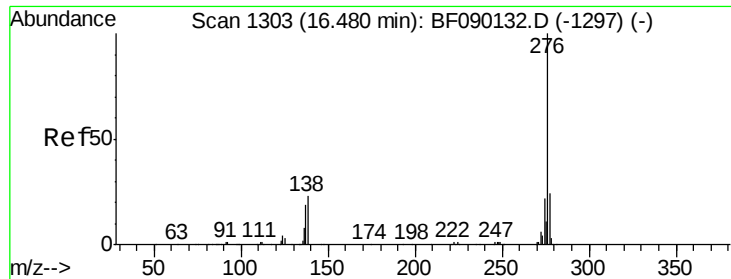
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#90
Dibenzo(a,h)anthracene
Concen: 2.07 ng m
RT: 16.09 min Scan# 1269
Delta R.T. 0.01 min
Lab File: BF090214.D
Acq: 23 Sep 2016 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	24.1	14.6	21.8	
279	30.5	18.8	28.2	





#91

Benzo(a,h,i)perylene

Concen: 5.68 ng

RT: 16.42 min Scan# 1298

Delta R.T. 0.01 min

Lab File: BF090214.D

Acq: 23 Sep 2016 22:50

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18B

Tot Ion: 276 Resp: 47955

Ion Ratio Lower Upper

276 100

277 25.3 18.9 28.3

138 27.6 23.3 34.9

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