

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095147.D
 Acq On : 16 May 2017 3:48
 Operator : SJ/MA
 Sample : I3140-06 20X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BERM-1-2

Manual Integrations
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Quant Time: May 16 15:25:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	66584	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	261977	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	109967	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	152904	20.00	ng	0.05
75) Chrysene-d12	18.70	240	159819	20.00	ng	0.05
86) Perylene-d12	20.37	264	134297	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.87	112	14741m	3.69	ng	0.19
7) Phenol-d6	7.44	99	18663m	3.89	ng	0.16
23) Nitrobenzene-d5	8.76	82	8002	1.93	ng	0.12
41) 2,4,6-Tribromophenol	13.96	330	1883	2.09	ng	0.08
44) 2-Fluorobiphenyl	11.58	172	23817	3.12	ng	0.05
78) Terphenyl-d14	17.35	244	16635	2.29	ng	0.04
Target Compounds						
70) Phenanthrene	15.07	178	42640	4.85	ng	96
74) Fluoranthene	16.81	202	165102	18.32	ng	96
77) Pyrene	17.11	202	159014	13.30	ng	97
80) Benzo(a)anthracene	18.69	228	102490	11.02	ng	99
82) Chrysene	18.73	228	100799	11.21	ng	96
85) Indeno(1,2,3-cd)pyrene	21.71	276	50480m	6.91	ng	
87) Benzo(b)fluoranthene	19.97	252	140865m	16.97	ng	
88) Benzo(k)fluoranthene	19.99	252	55251m	6.90	ng	
89) Benzo(a)pyrene	20.32	252	94486	12.34	ng	97
91) Benzo(g,h,i)perylene	22.11	276	46211	7.45	ng	96

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

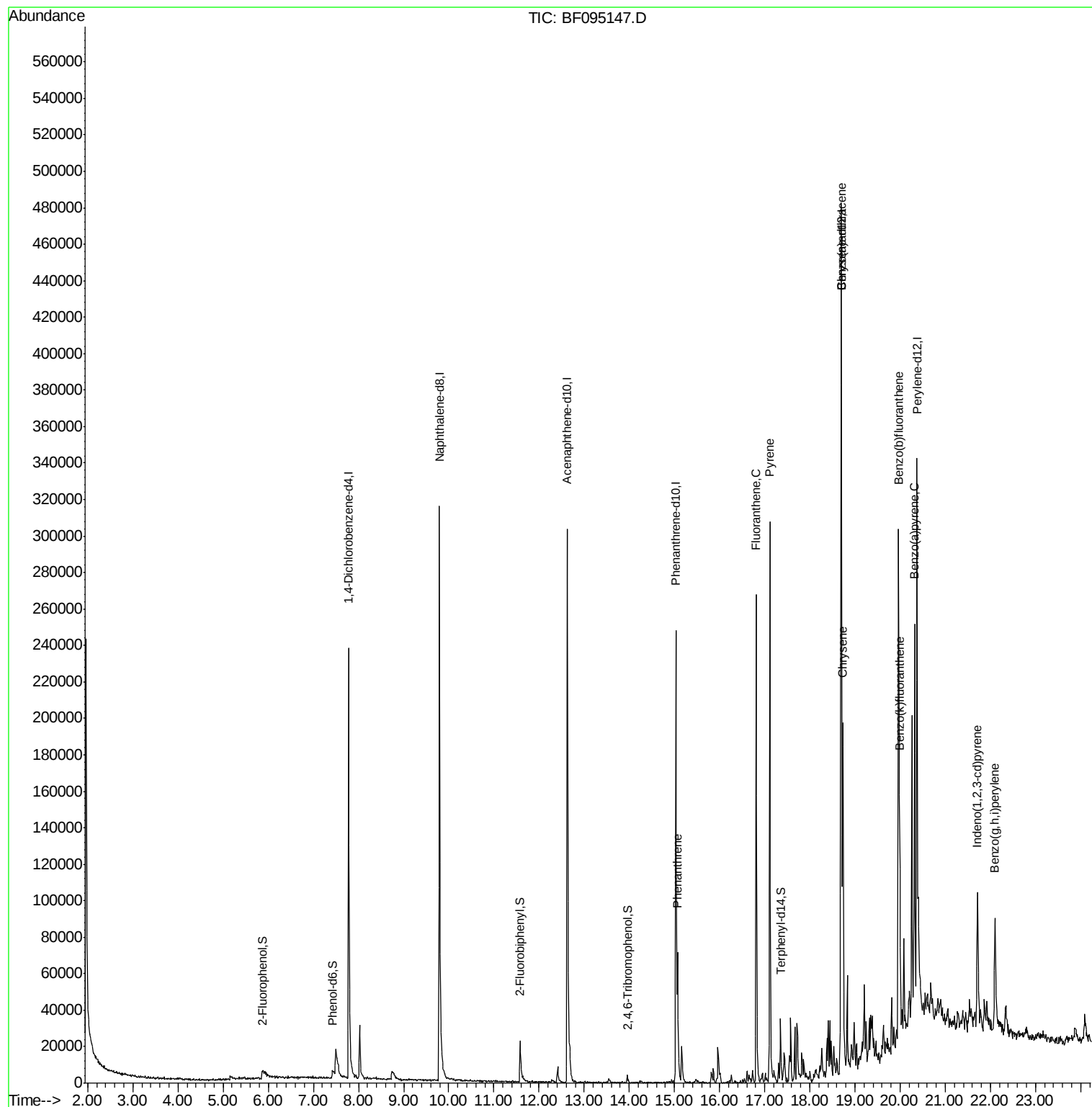
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095147.D
Acq On : 16 May 2017 3:48
Operator : SJ/MA
Sample : I3140-06 20X
Misc :
ALS Vial : 23 Sample Multiplier: 1

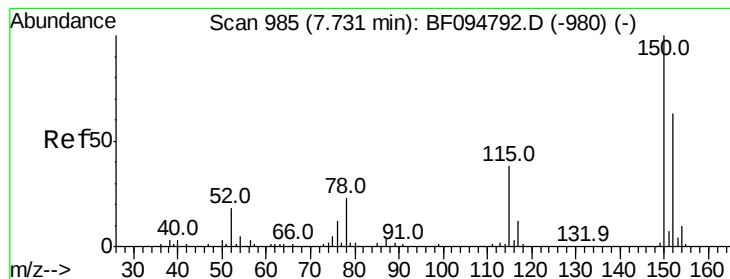
Instrument :
BNA_F
ClientSampleId :
BERM-1-2

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Quant Time: May 16 15:25:16 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.78 min Scan# 993

Delta R.T. 0.05 min

Lab File: BF095147.D

Acq: 16 May 2017 3:48

Instrument :

BNA_F

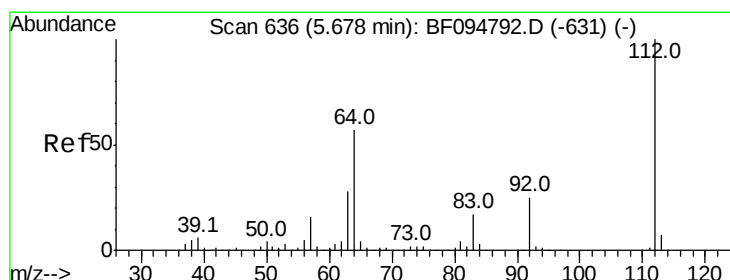
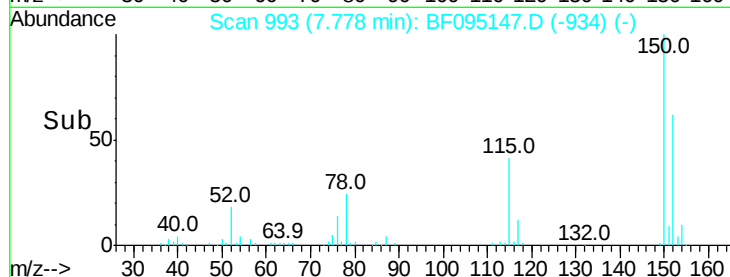
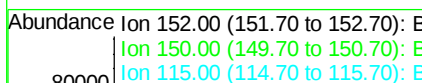
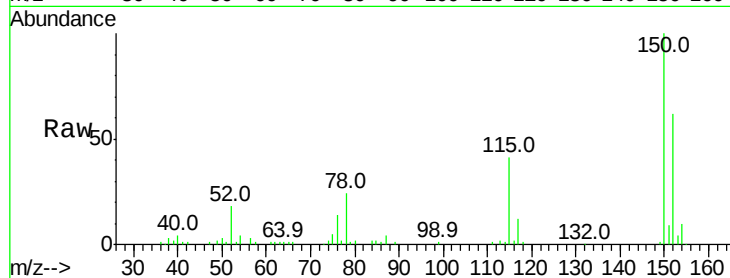
ClientSampleId :

BERM-1-2

Tot Ion:	152	Resp:	66584
Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.2	189.2
115	66.1	52.2	78.2

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#5

2-Fluorophenol

Concen: 3.69 ng m

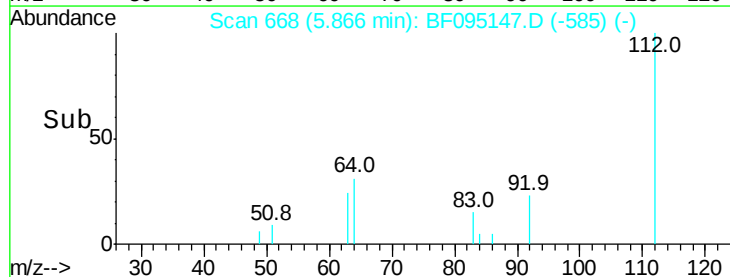
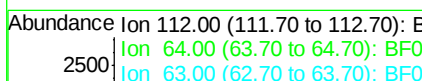
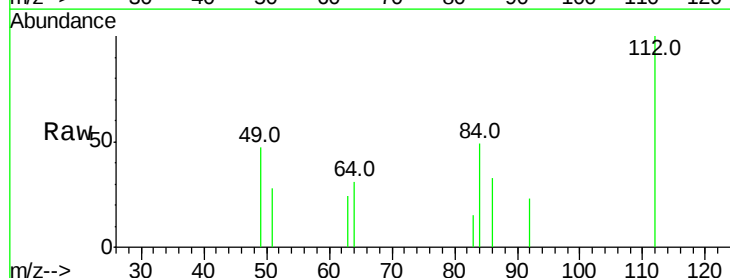
RT: 5.87 min Scan# 668

Delta R.T. 0.19 min

Lab File: BF095147.D

Acq: 16 May 2017 3:48

Tgt Ion:	112	Resp:	14741
Ion	Ratio	Lower	Upper
112	100		
64	31.0	46.0	69.0#
63	24.1	23.4	35.0





#7

Phenol-d6

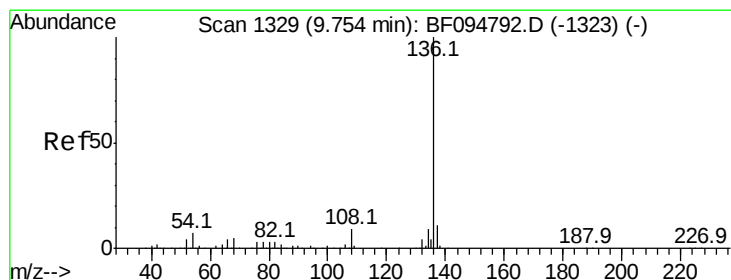
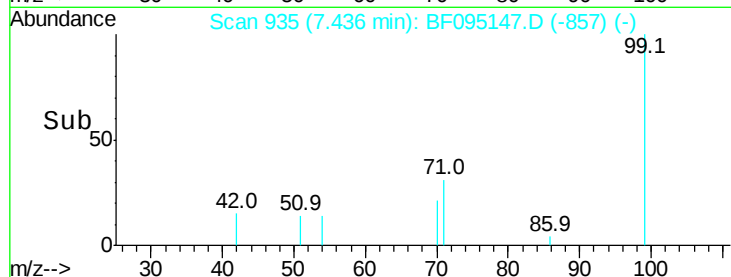
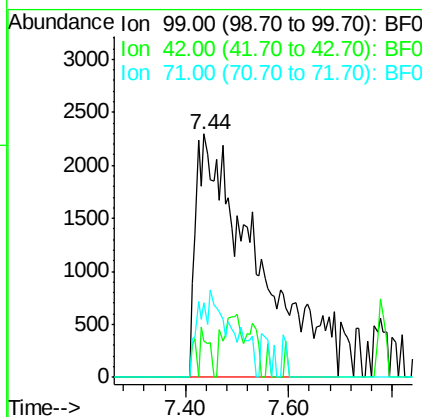
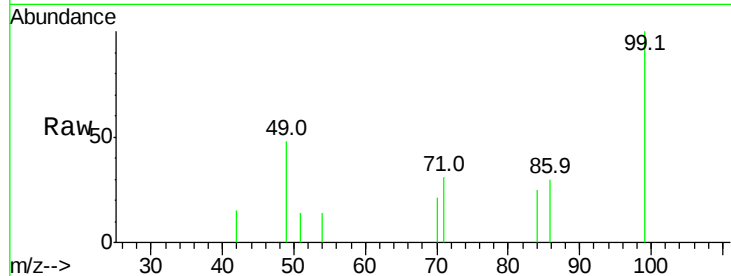
Concen: 3.89 ng/ml
 RT: 7.44 min Scan# 935
 Delta R.T. 0.16 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

Instrument :
 BNA_F
 ClientSampleId :
 BERM-1-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		18663		
42	15.2	13.5	20.3		
71	30.8	24.5	36.7		

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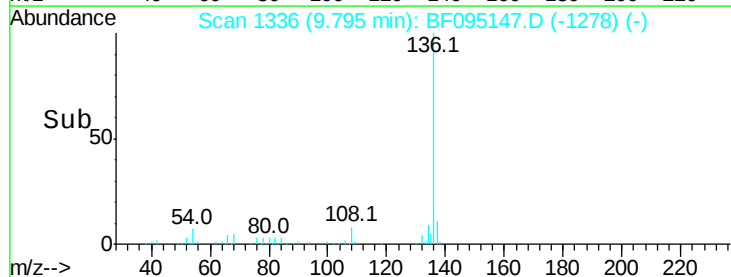
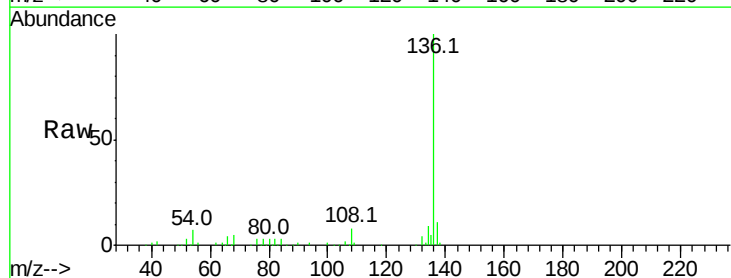
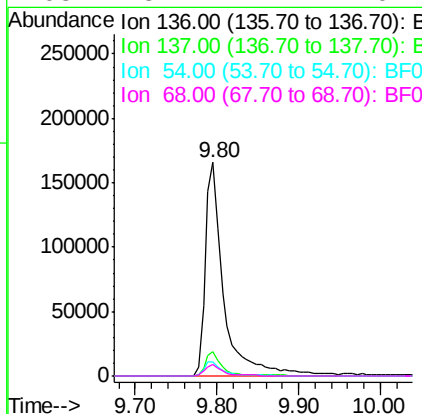


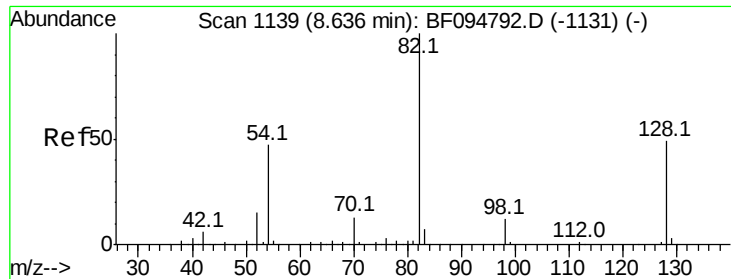
#21

Naphthalene-d8

Concen: 20.00 ng
 RT: 9.80 min Scan# 1336
 Delta R.T. 0.04 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		261977		
137	11.4	8.5	12.7		
54	6.8	4.9	7.3		
68	5.2	4.1	6.1		





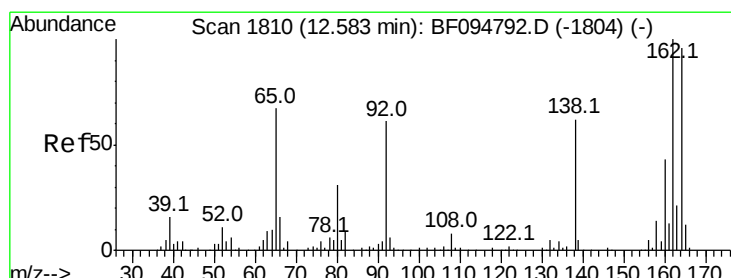
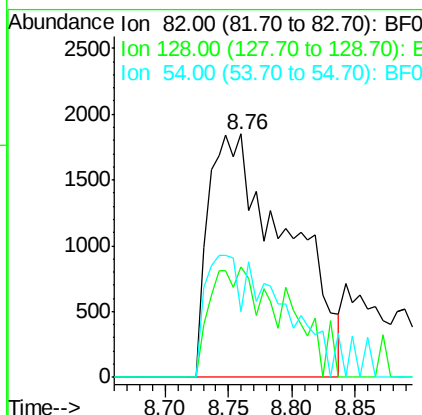
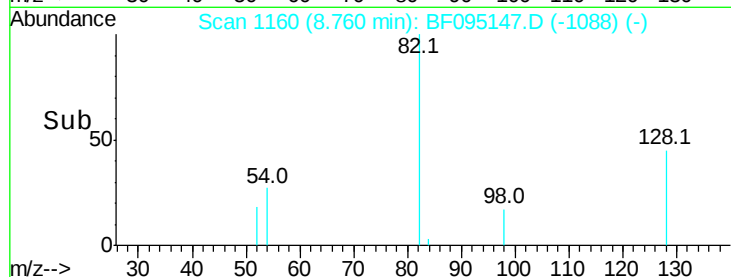
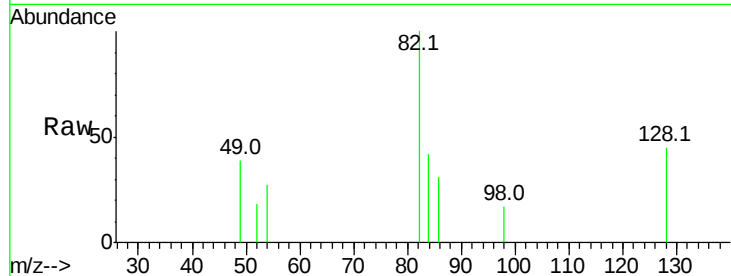
#23
 Nitrobenzene-d5
 Concen: 1.93 ng
 RT: 8.76 min Scan# 1160
 Delta R.T. 0.12 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

Instrument :
 BNA_F
 ClientSampleId :
 BERM-1-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.0	51.0
54	26.8	42.2	63.2

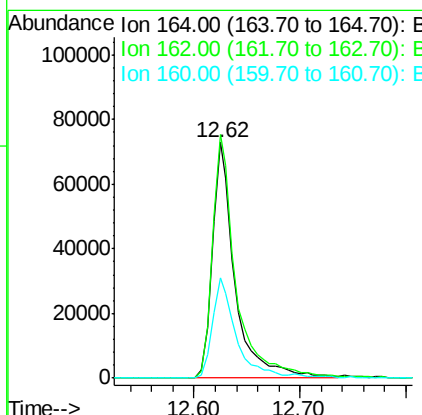
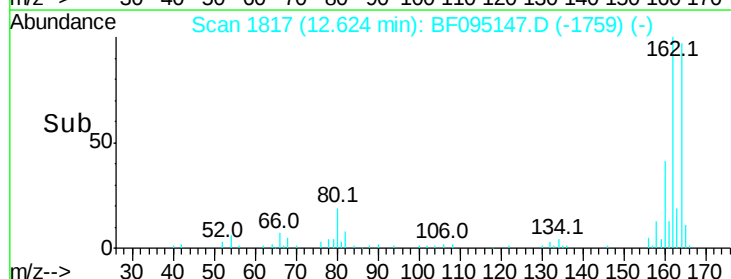
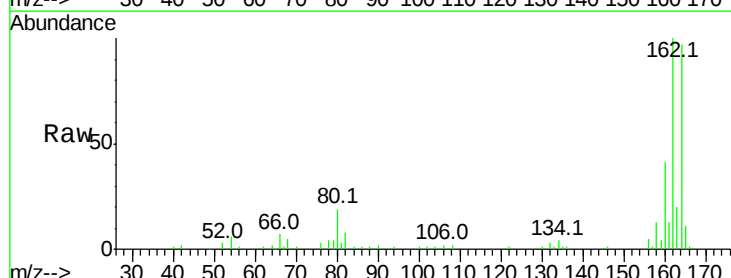
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.04 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.6	123.8
160	42.3	36.2	54.2





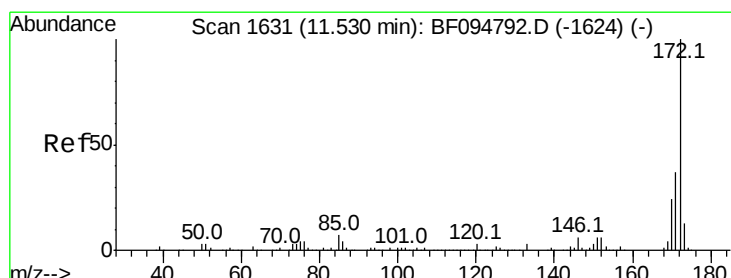
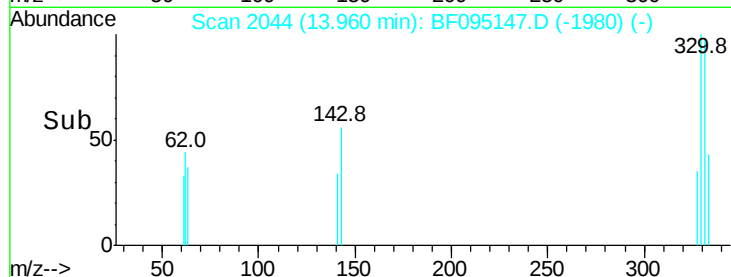
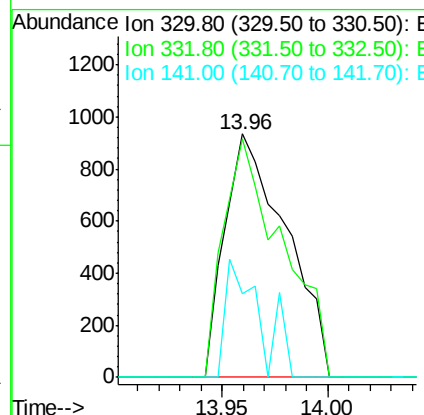
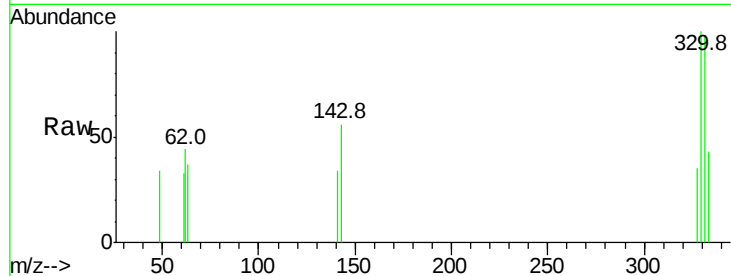
#41
 2,4,6-Tribromophenol
 Concen: 2.09 ng
 RT: 13.96 min Scan# 2044
 Delta R.T. 0.08 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

Instrument :
 BNA_F
 ClientSampleId :
 BERM-1-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	76.6	115.0
141	27.1	31.4	47.2#

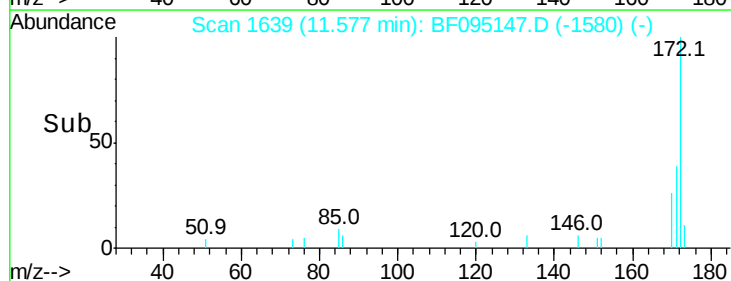
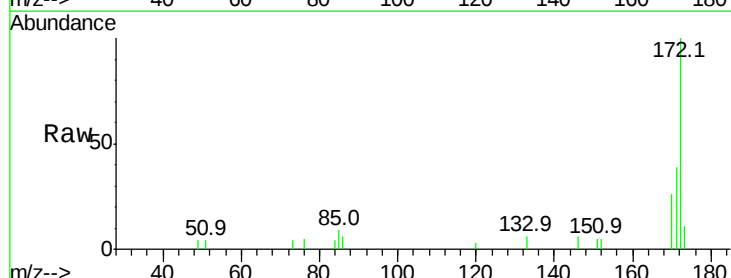
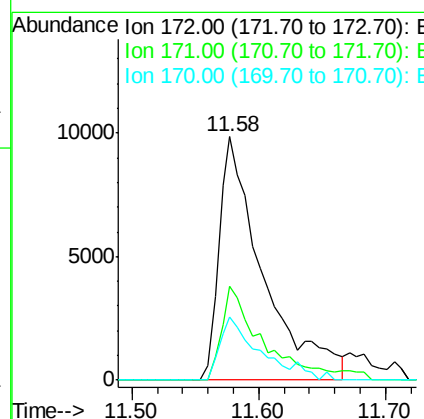
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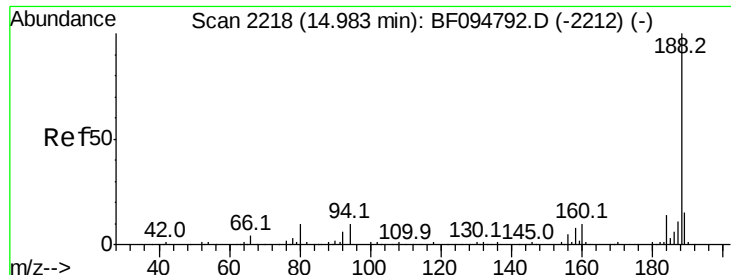
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#44
 2-Fluorobiphenyl
 Concen: 3.12 ng
 RT: 11.58 min Scan# 1639
 Delta R.T. 0.05 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	29.6	44.4
170	26.2	19.8	29.8





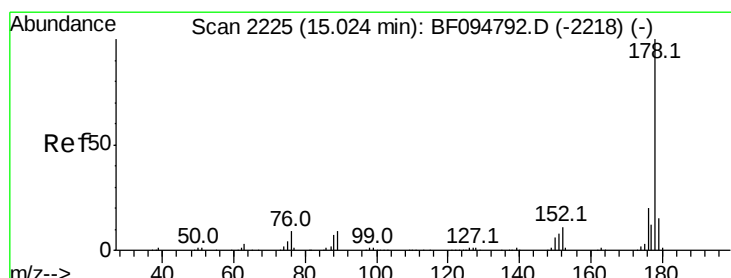
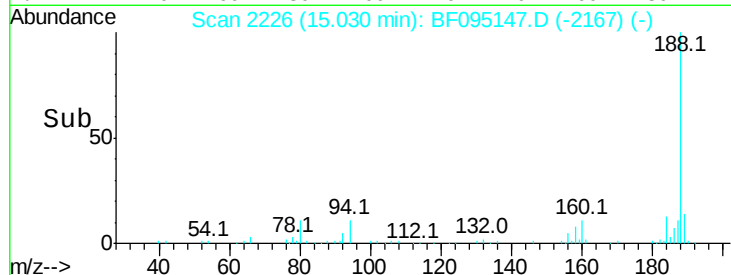
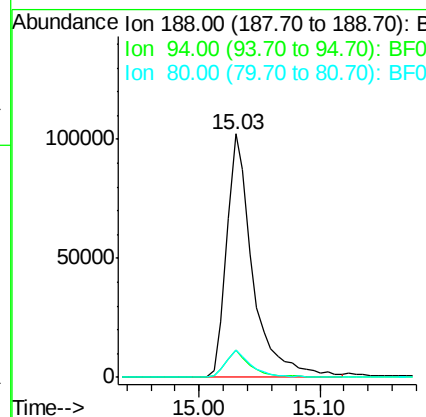
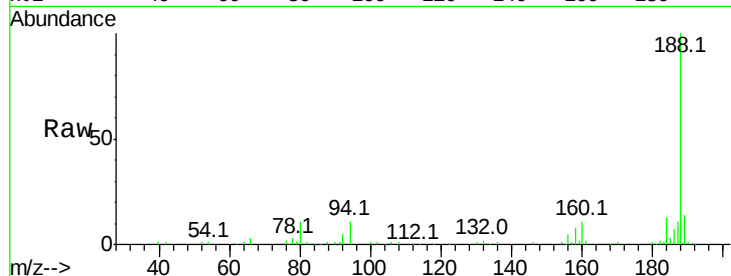
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.03 min Scan# 2226
Delta R.T. 0.05 min
Lab File: BF095147.D
Acq: 16 May 2017 3:48

Instrument :
BNA_F
ClientSampleId :
BERM-1-2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.2	10.2	15.2

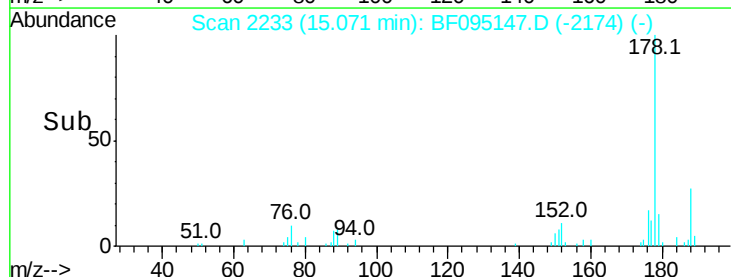
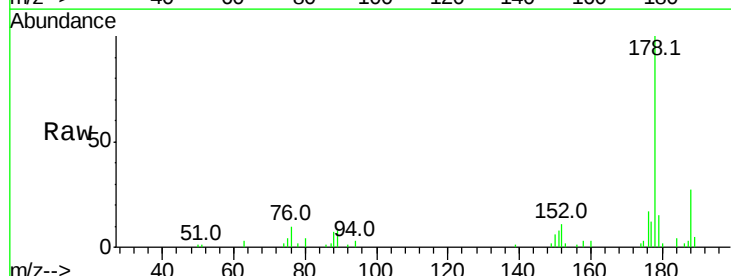
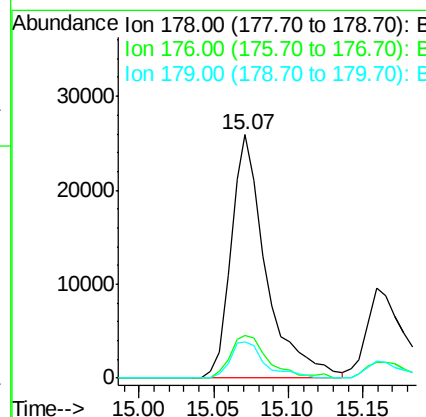
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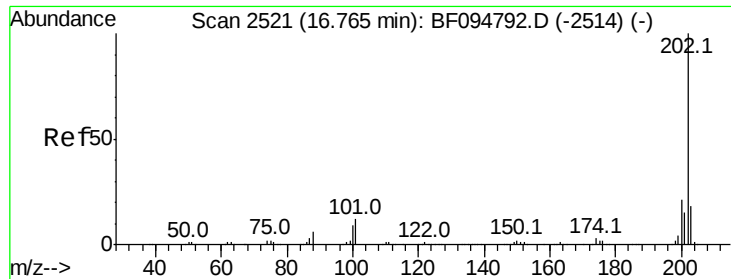
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#70
Phenanthrene
Concen: 4.85 ng
RT: 15.07 min Scan# 2233
Delta R.T. 0.05 min
Lab File: BF095147.D
Acq: 16 May 2017 3:48

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	17.4	16.2	24.4
179	15.1	12.6	19.0





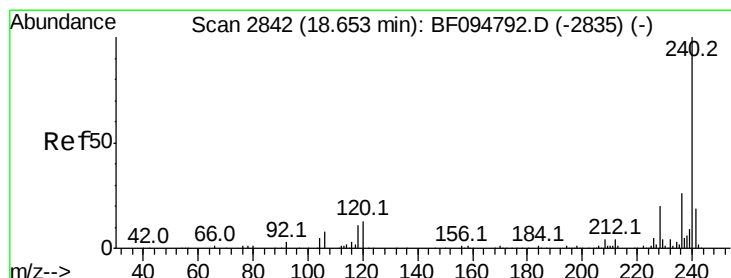
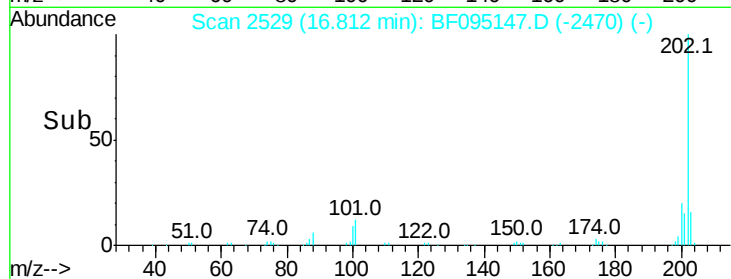
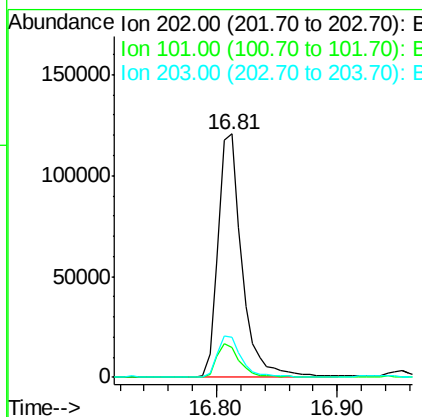
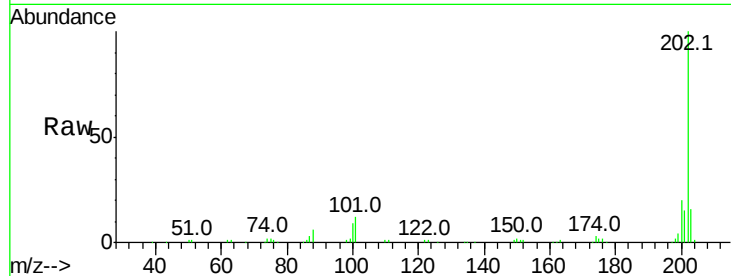
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 Fluoranthene
 Concen: 18.32 ng
 RT: 16.81 min Scan# 2529
 Delta R.T. 0.05 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

Instrument :
 BNA_F
 ClientSampleId :
 BERM-1-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.1	0.0	33.2
203	16.2	0.0	38.1

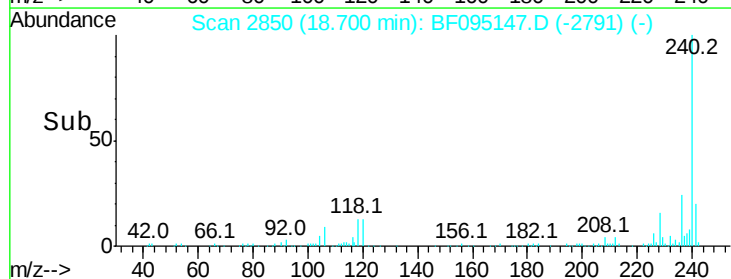
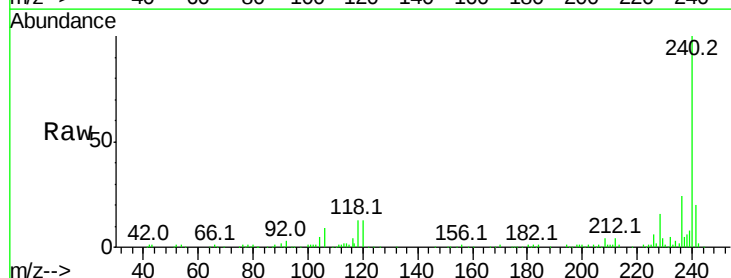
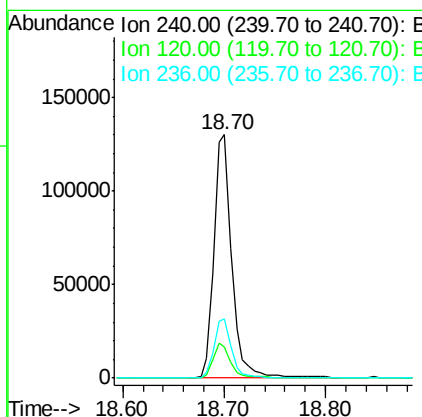
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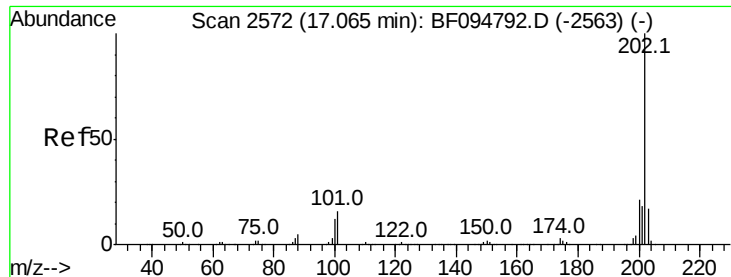
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.70 min Scan# 2850
 Delta R.T. 0.05 min
 Lab File: BF095147.D
 Acq: 16 May 2017 3:48

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.6	5.8	8.8#
236	24.2	20.5	30.7





#77

Pvrene

Concen: 13.30 ng

RT: 17.11 min Scan# 2580

Delta R.T. 0.05 min

Lab File: BF095147.D

Acq: 16 May 2017 3:48

Instrument :

BNA_F

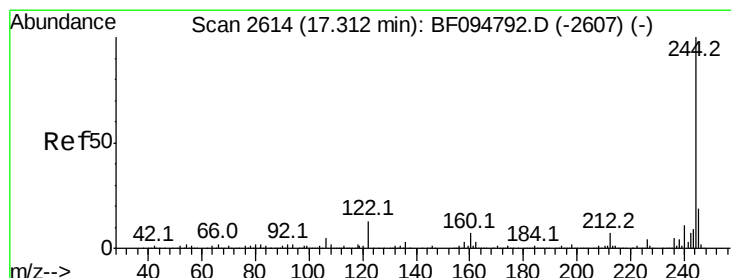
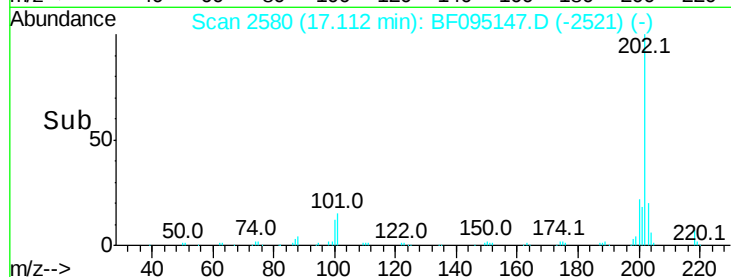
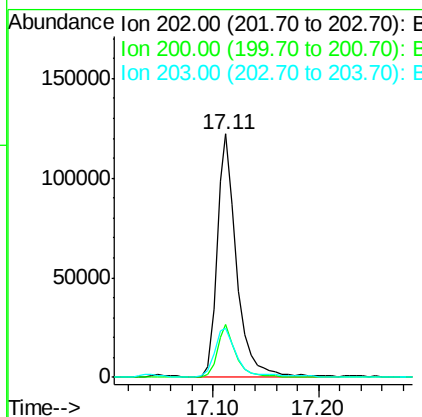
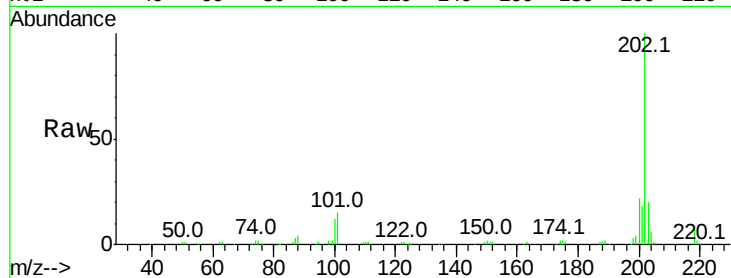
ClientSampleId :

BERM-1-2

Tot Ion:	202	Resp:	159014
Ion Ratio		Lower	Upper
202	100		
200	21.6	17.6	26.4
203	20.3	14.4	21.6

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#78

Terphenyl-d14

Concen: 2.29 ng

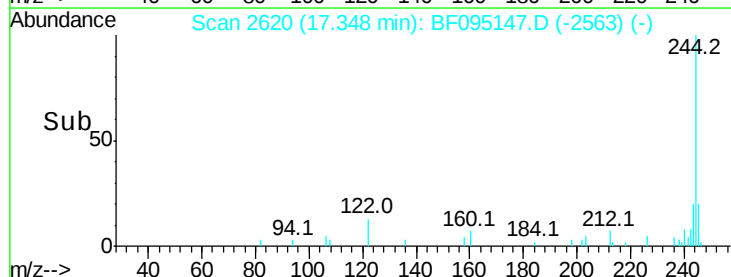
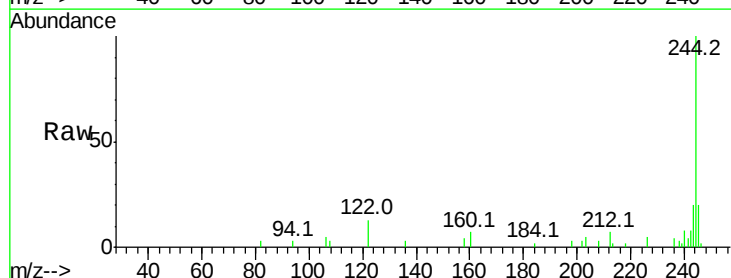
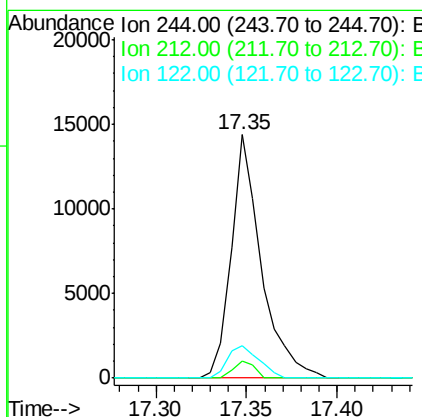
RT: 17.35 min Scan# 2620

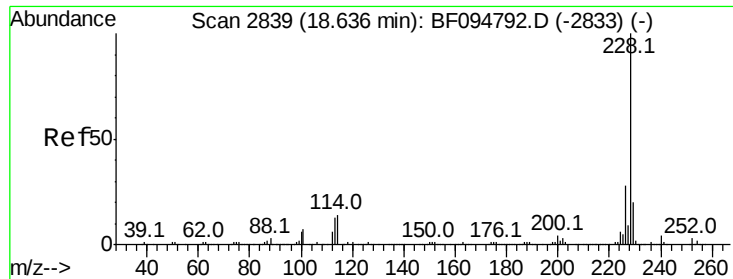
Delta R.T. 0.04 min

Lab File: BF095147.D

Acq: 16 May 2017 3:48

Tgt Ion:	244	Resp:	16635
Ion Ratio		Lower	Upper
244	100		
212	7.1	6.0	9.0
122	13.3	10.3	15.5





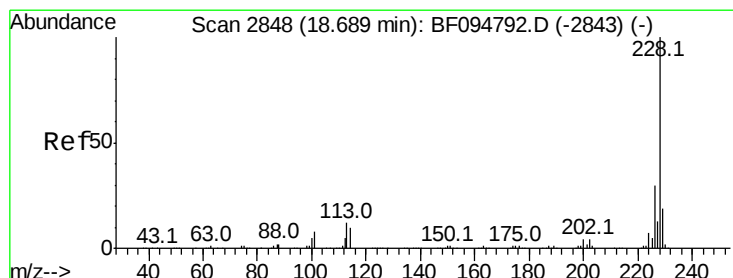
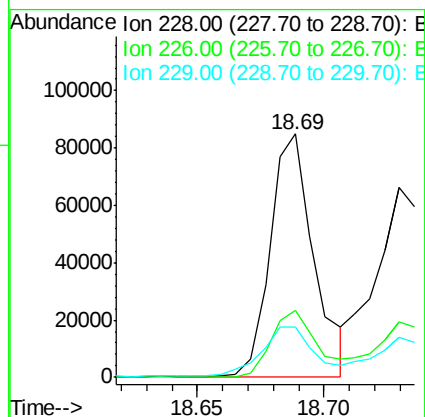
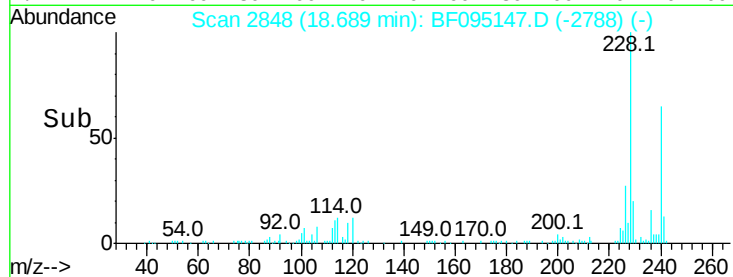
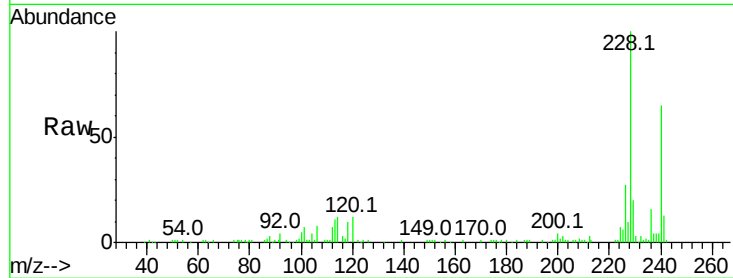
#80
Benzo(a)anthracene
Concen: 11.02 ng
RT: 18.69 min Scan# 2848
Delta R.T. 0.05 min
Lab File: BF095147.D
Acq: 16 May 2017 3:48

Instrument :
BNA_F
ClientSampled :
BERM-1-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	20.4	16.3	24.5

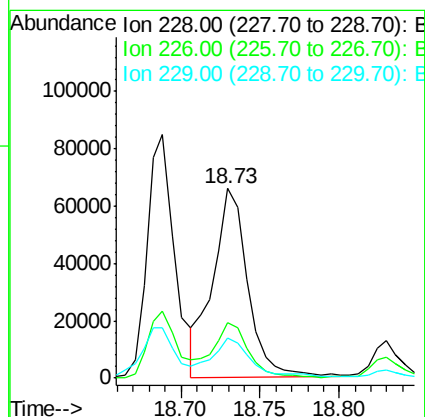
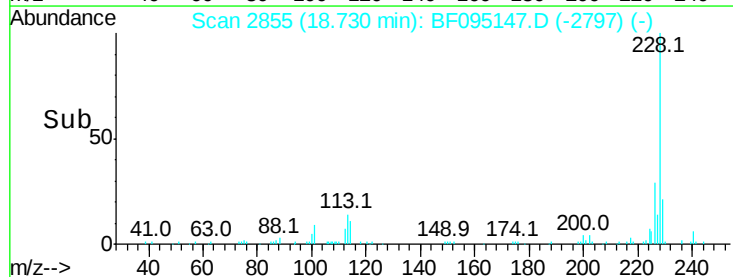
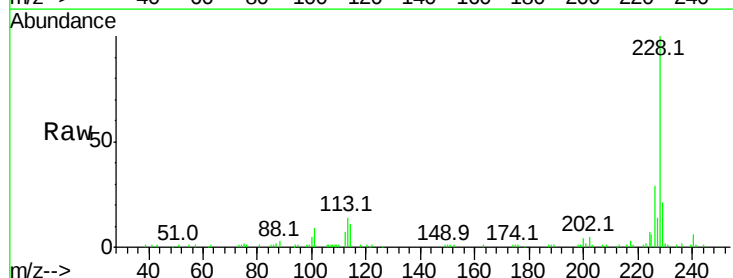
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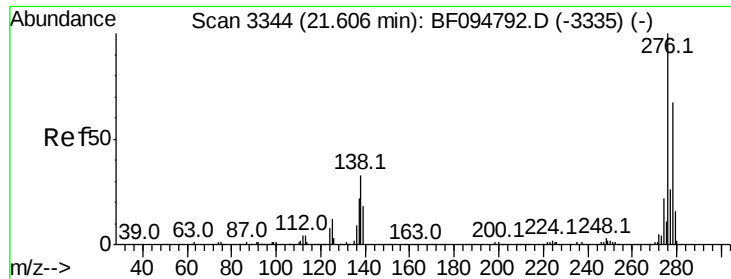
mohammad
5/17/2017 2:20:47 PM



#82
Chrysene
Concen: 11.21 ng
RT: 18.73 min Scan# 2855
Delta R.T. 0.04 min
Lab File: BF095147.D
Acq: 16 May 2017 3:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.9	37.3
229	21.2	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.91 ng/mL

RT: 21.71 min Scan# 3362

Delta R.T. 0.11 min

Lab File: BF095147.D

Acq: 16 May 2017 3:48

Instrument :

BNA_F

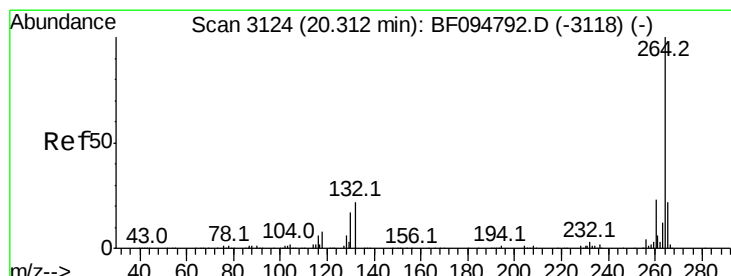
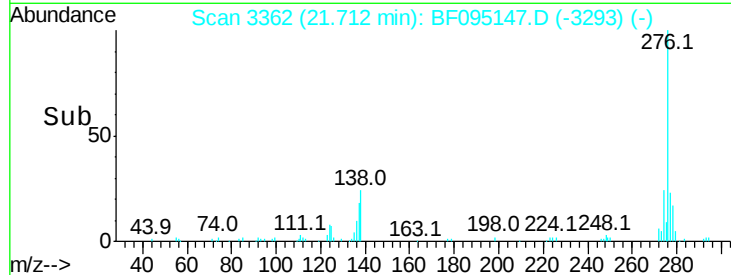
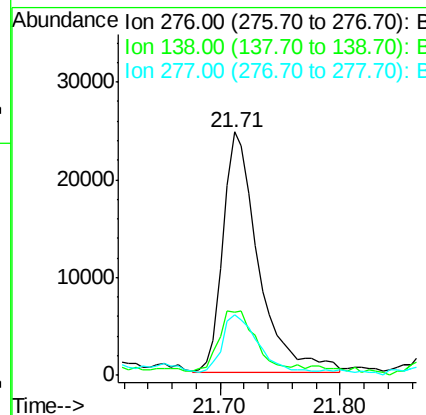
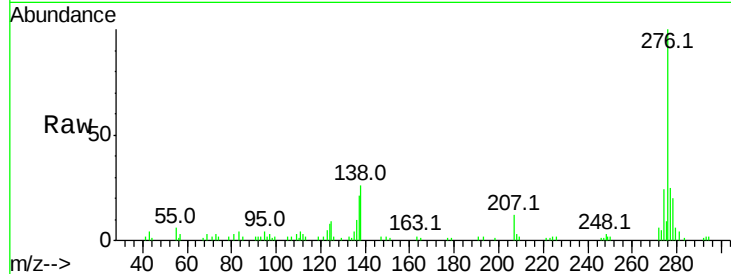
ClientSampleId :

BERM-1-2

Tot Ion:	276	Resp:	50480
Ion Ratio	Lower	Upper	
276	100		
138	0.0	27.8	41.6#
277	1.8	20.2	30.4#

Manual Integrations
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#86

Perylene-d12

Concen: 20.00 ng

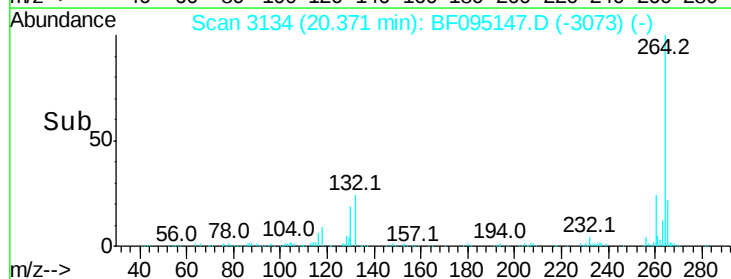
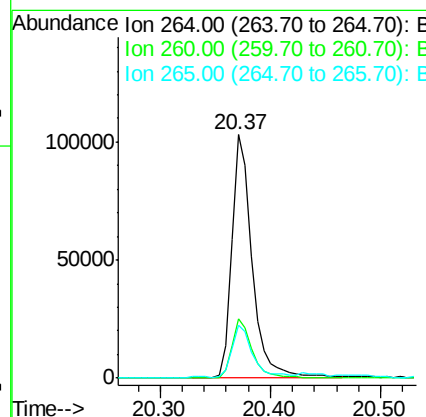
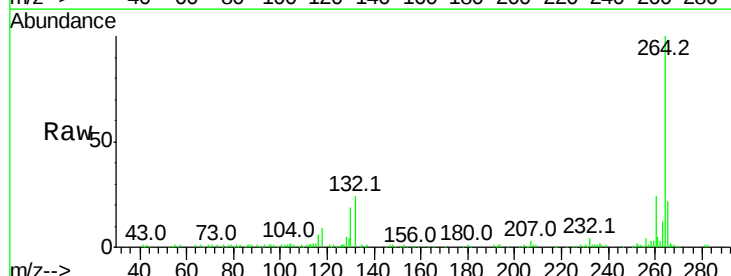
RT: 20.37 min Scan# 3134

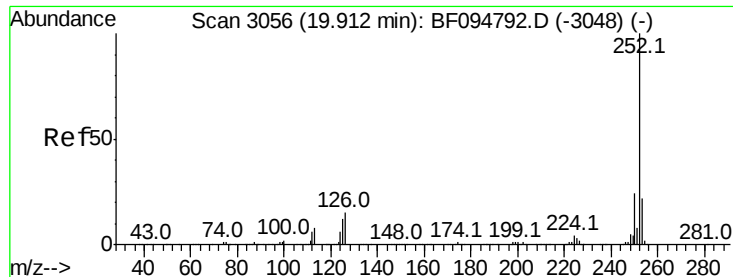
Delta R.T. 0.06 min

Lab File: BF095147.D

Acq: 16 May 2017 3:48

Tgt Ion:	264	Resp:	134297
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.5	29.3
265	21.9	17.2	25.8





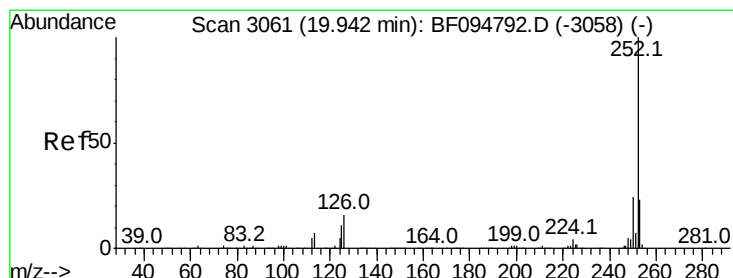
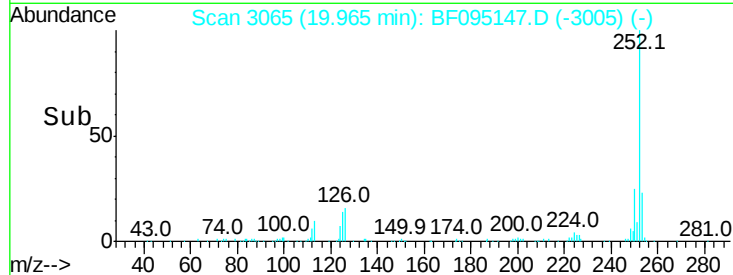
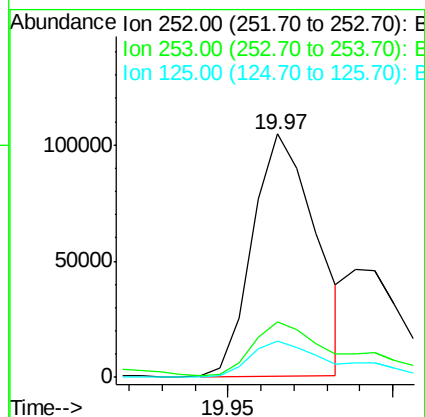
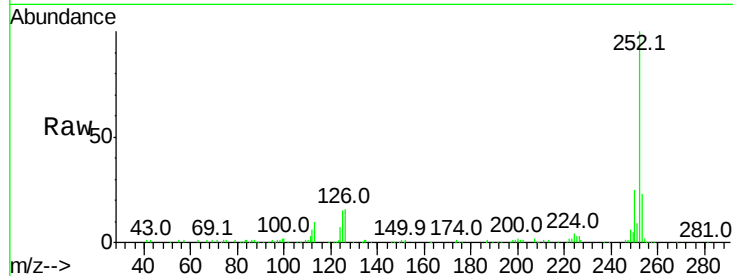
#87
Benzo(b)fluoranthene
Concen: 16.97 ng m
RT: 19.97 min Scan# 3065
Delta R.T. 0.05 min
Lab File: BF095147.D
Acq: 16 May 2017 3:48

Instrument :
BNA_F
ClientSampled :
BERM-1-2

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.7	18.1	27.1
125	14.7	9.8	14.8

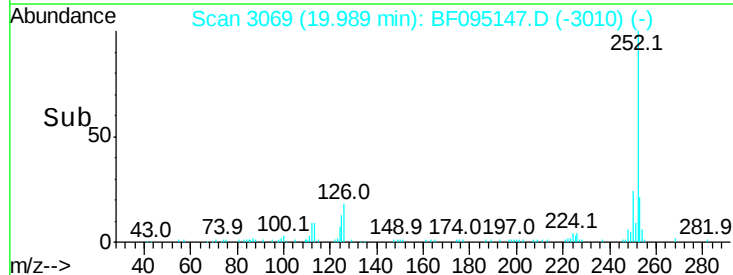
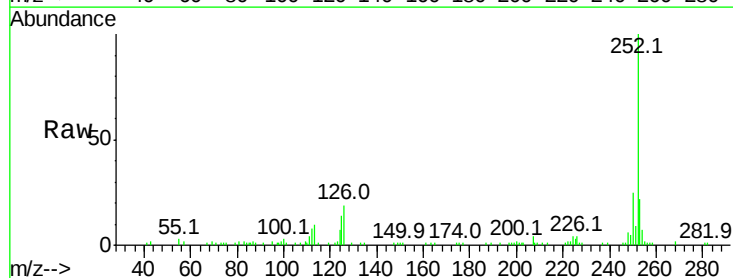
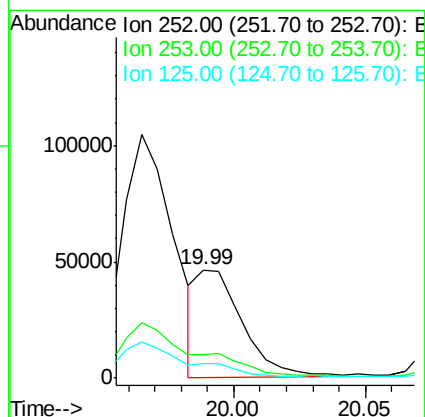
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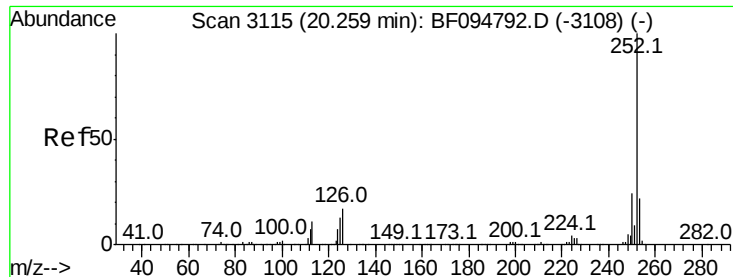
mohammad
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#88
Benzo(k)fluoranthene
Concen: 6.90 ng m
RT: 19.99 min Scan# 3069
Delta R.T. 0.05 min
Lab File: BF095147.D
Acq: 16 May 2017 3:48

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.0	18.4	27.6
125	13.8	13.1	19.7





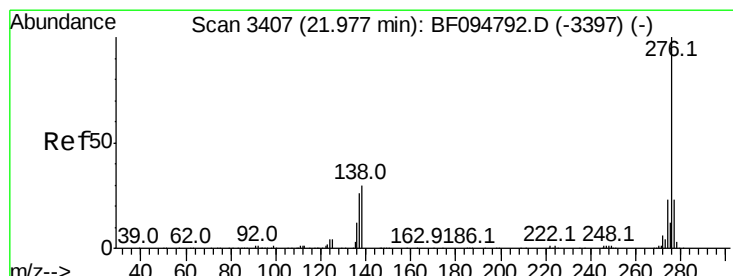
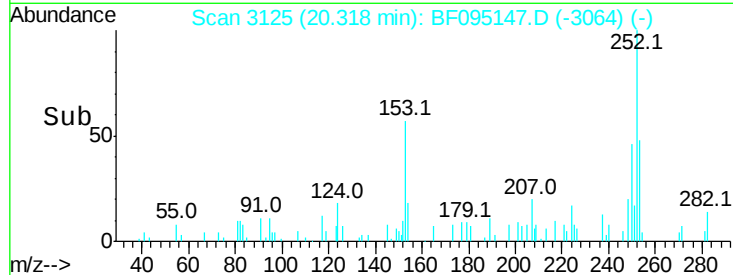
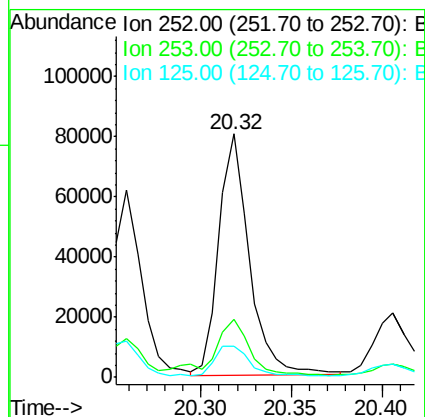
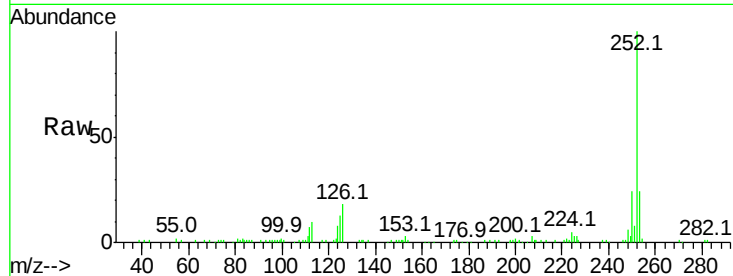
#89
Benzo(a)pyrene
Concen: 12.34 ng
RT: 20.32 min Scan# 3125
Delta R.T. 0.06 min
Lab File: BF095147.D
Acq: 16 May 2017 3:48

Instrument :
BNA_F
ClientSampleId :
BERM-1-2

Tot Ion:	252	Resp:	94486
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.5	26.3
125	13.0	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.45 ng
RT: 22.11 min Scan# 3429
Delta R.T. 0.13 min
Lab File: BF095147.D
Acq: 16 May 2017 3:48

Tgt Ion:	276	Resp:	46211
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.6	28.0
138	28.5	25.4	38.0

