

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097725.D
 Acq On : 16 Aug 2017 7:47
 Operator : SJ/JU
 Sample : I4703-09 10X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-H9-BASE

Manual Integrations
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 8/16/2017 6:46:06 PM

Quant Time: Aug 16 08:44:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	132224	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	493345	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	190162	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	283947	20.00	ng	0.00
75) Chrysene-d12	13.94	240	282413	20.00	ng	0.00
86) Perylene-d12	15.37	264	215803	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	89676	10.32	ng	-0.01
7) Phenol-d6	6.40	99	119240	10.10	ng	-0.01
23) Nitrobenzene-d5	7.34	82	62984	6.94	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	11411	6.92	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	97477	7.53	ng	0.00
78) Terphenyl-d14	12.89	244	57272	4.23	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.09	128	60402	2.358	ng	99
37) 2-Methylnaphthalene	8.78	142	36064	2.297	ng	98
70) Phenanthrene	11.33	178	137248	9.071	ng	99
71) Anthracene	11.37	178	37038	2.413	ng	99
74) Fluoranthene	12.51	202	157835	9.994	ng	98
77) Pyrene	12.74	202	154753	6.700	ng	97
80) Benzo(a)anthracene	13.93	228	90101	5.323	ng	96
82) Chrysene	13.96	228	83122	4.937	ng	96
85) Indeno(1,2,3-cd)pyrene	16.76	276	46108	3.722	ng	91
87) Benzo(b)fluoranthene	14.96	252	117706m	8.653	ng	
88) Benzo(k)fluoranthene	14.98	252	39531m	3.093	ng	
89) Benzo(a)pyrene	15.31	252	83709	6.951	ng	99
91) Benzo(a,h,i)perylene	17.18	276	44318	4.332	ng	95

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

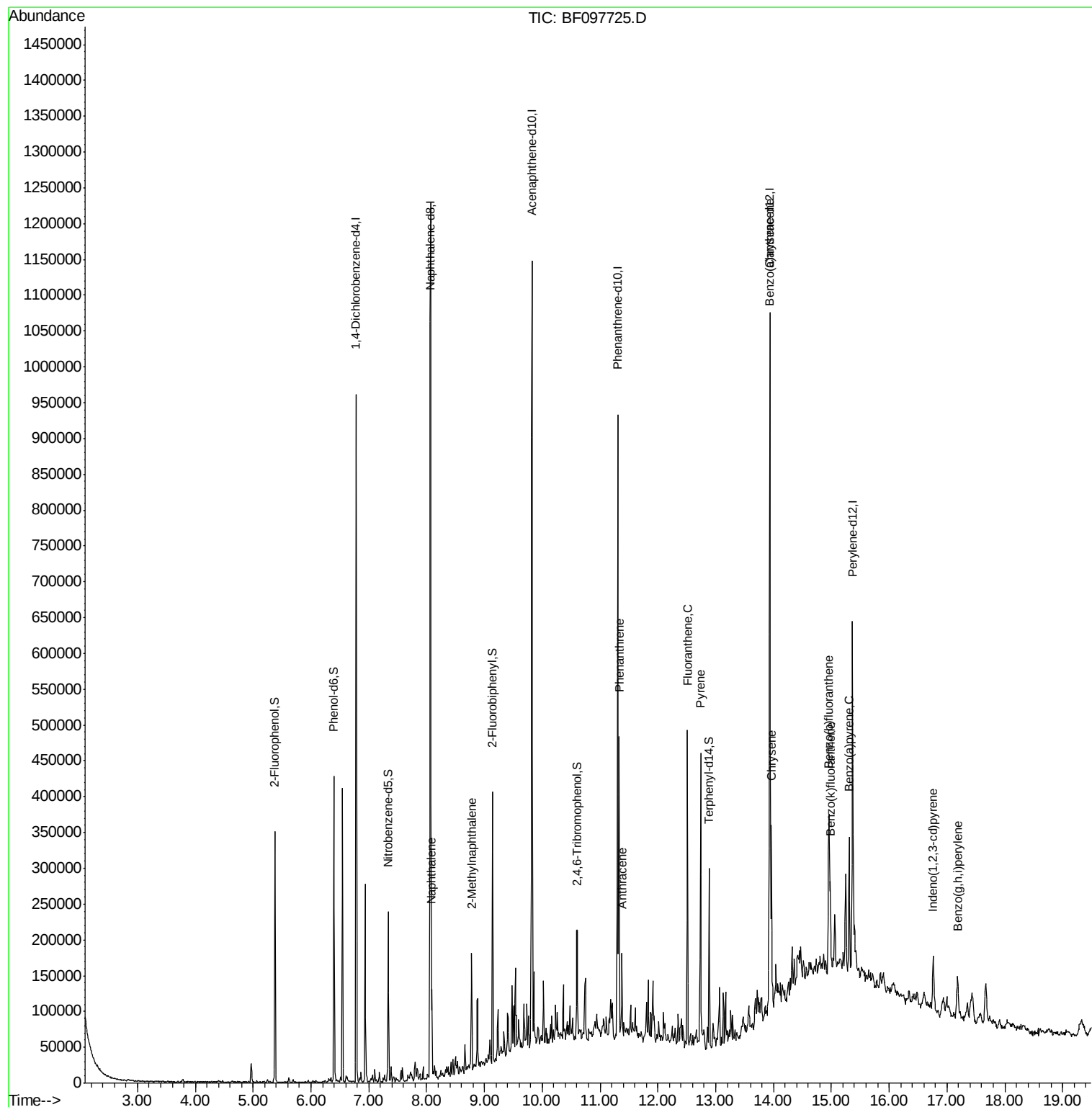
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
Data File : BF097725.D
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ALS Vial : 38 Sample Multiplier: 1

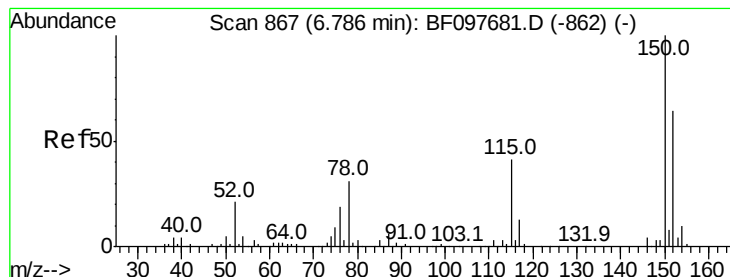
Instrument :
BNA_F
ClientSampleId :
E2-H9-BASE

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#1

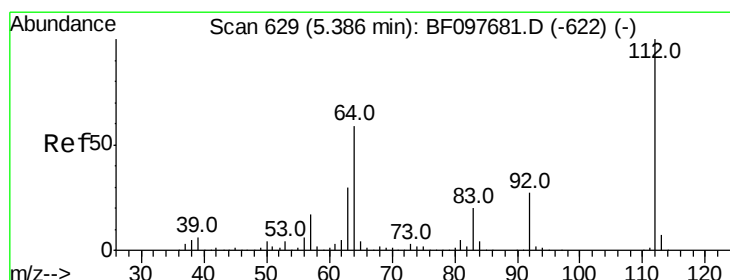
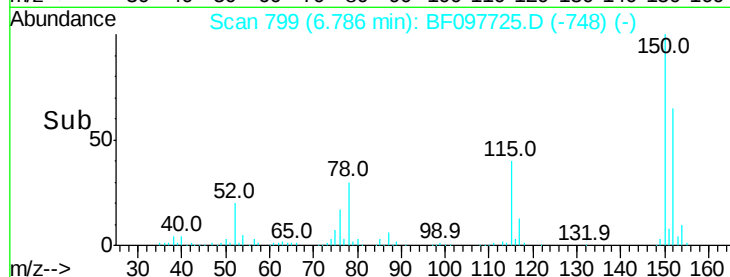
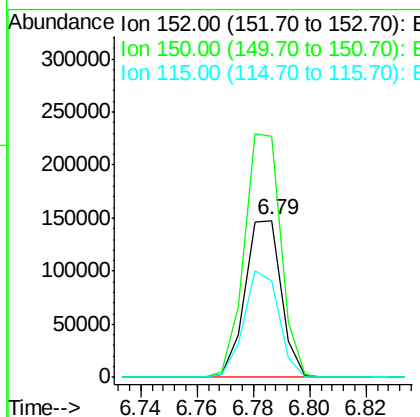
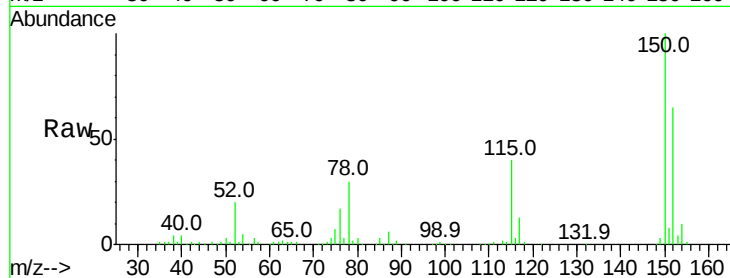
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF097725.D
 Acq: 16 Aug 2017 7:47

Instrument :
 BNA_F
 ClientSampleId :
 E2-H9-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	126.2	189.2
115	61.3	52.2	78.2

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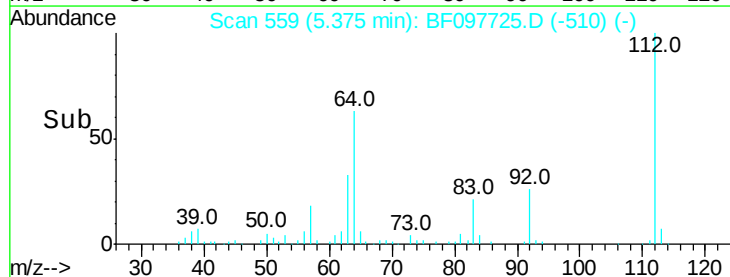
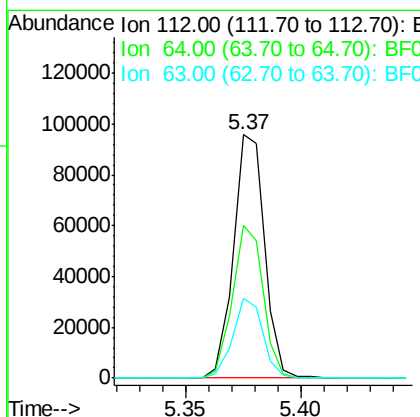
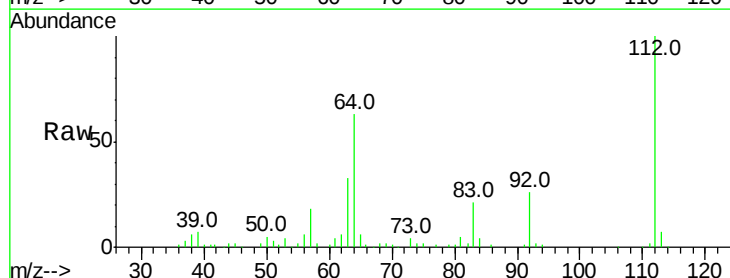
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#5

2-Fluorophenol
 Concen: 10.316 ng
 RT: 5.37 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: BF097725.D
 Acq: 16 Aug 2017 7:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	46.0	69.0
63	32.9	23.4	35.0





#7

Phenol-d6

Concen: 10.096 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097725.D

Acq: 16 Aug 2017 7:47

Instrument :

BNA_F

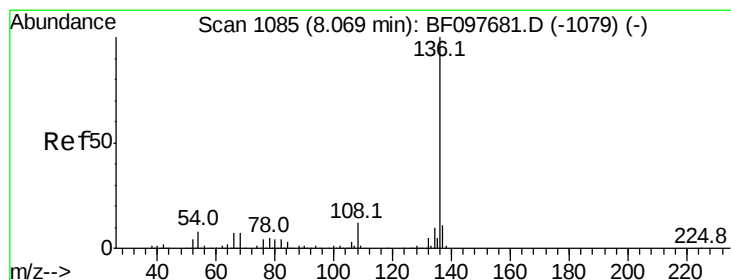
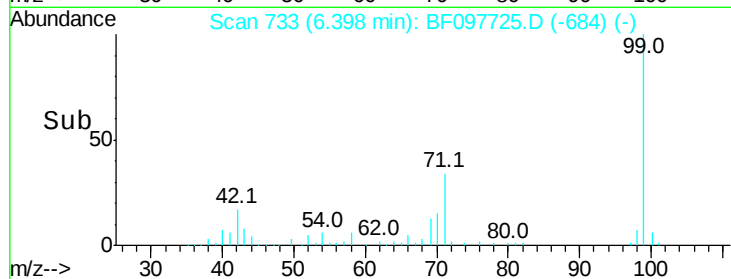
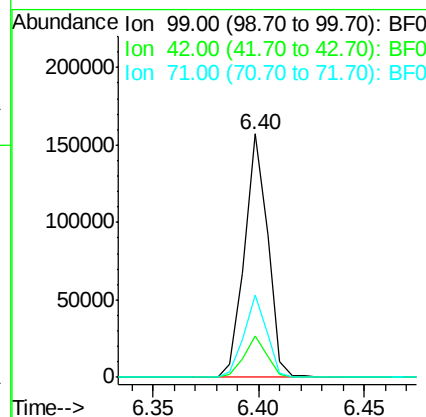
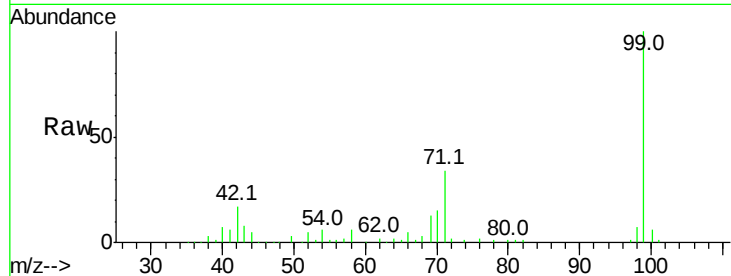
ClientSampleId :

E2-H9-BASE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		119240		
42	16.9	13.5	20.3		
71	33.8	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

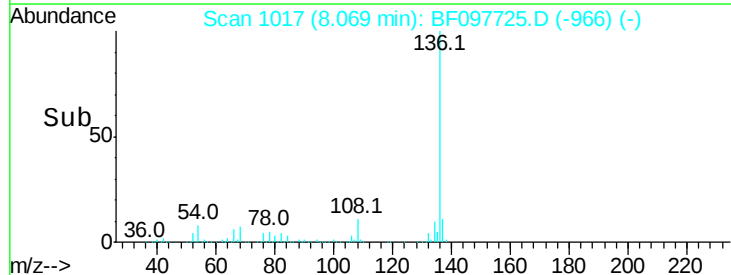
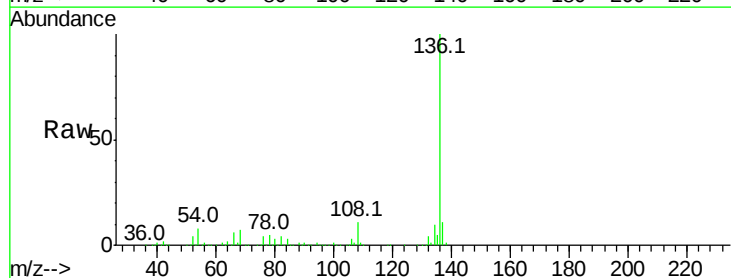
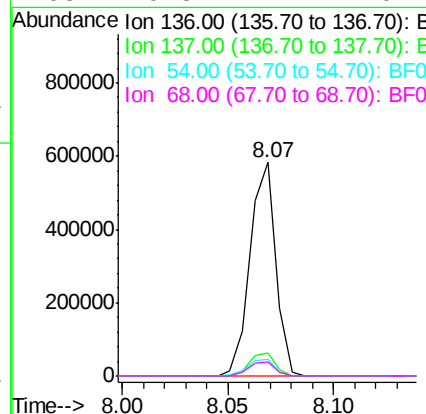
RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF097725.D

Acq: 16 Aug 2017 7:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		493345		
137	10.9	8.5	12.7		
54	7.6	4.9	7.3#		
68	6.8	4.1	6.1#		





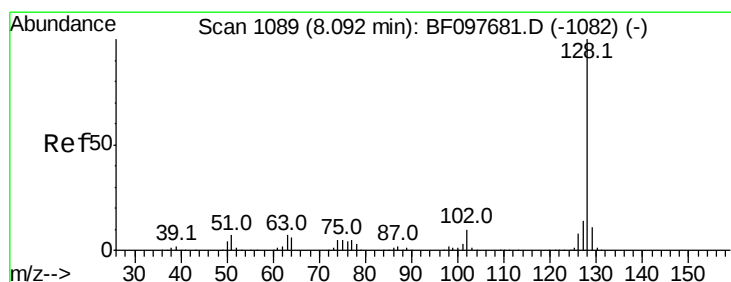
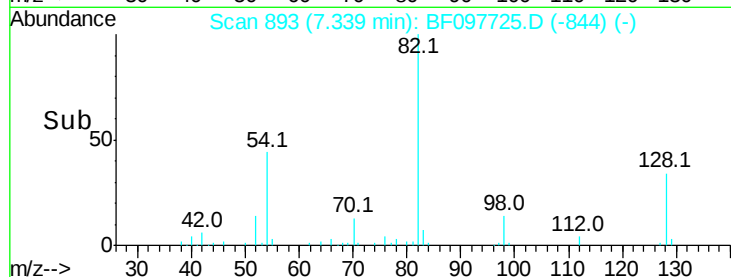
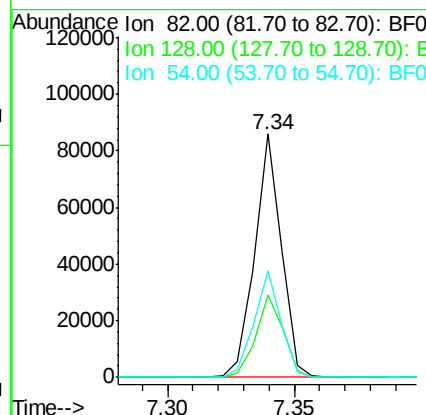
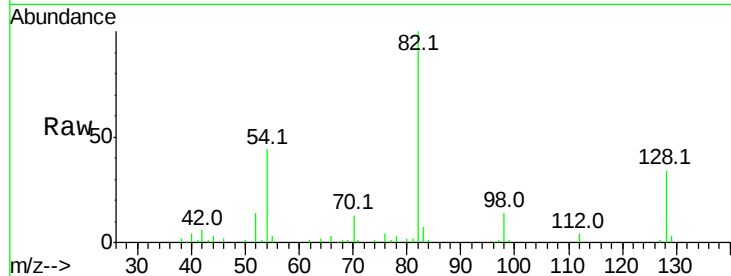
#23
Nitrobenzene-d5
Concen: 6.935 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF097725.D
Acq: 16 Aug 2017 7:47

Instrument :
BNA_F
ClientSampleId :
E2-H9-BASE

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	33.8	34.0	51.0#
54	44.1	42.2	63.2

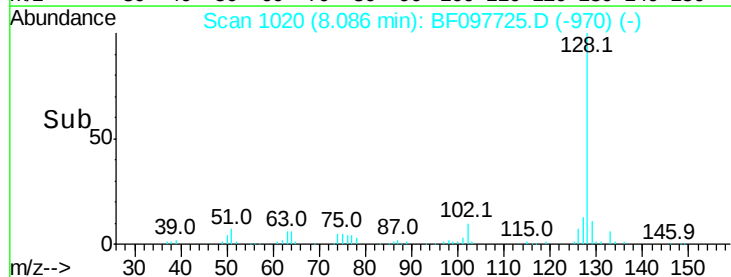
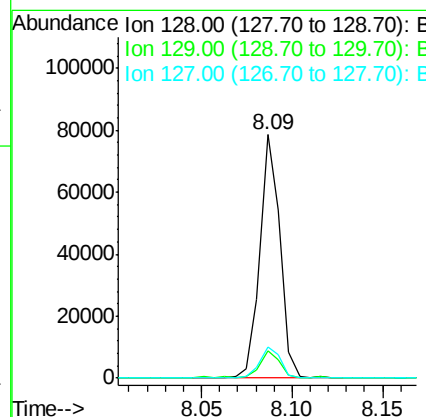
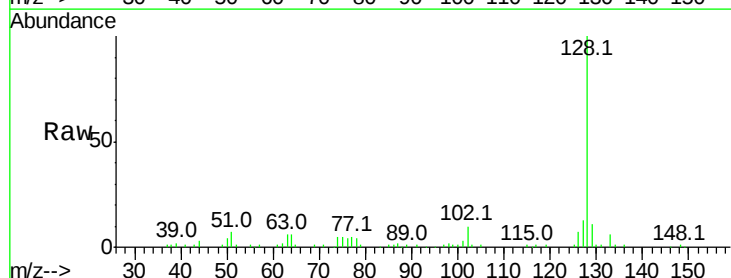
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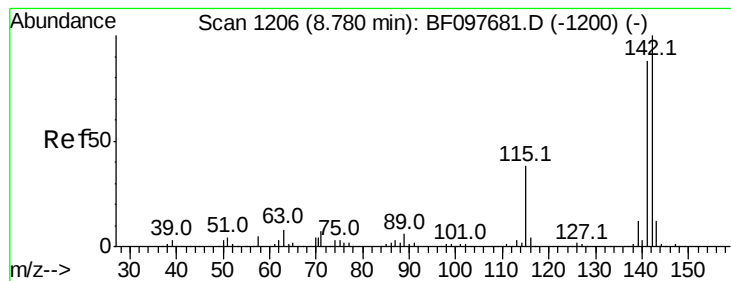
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#31
Naphthalene
Concen: 2.358 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF097725.D
Acq: 16 Aug 2017 7:47

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	11.2	9.0	13.6
127	12.9	10.8	16.2





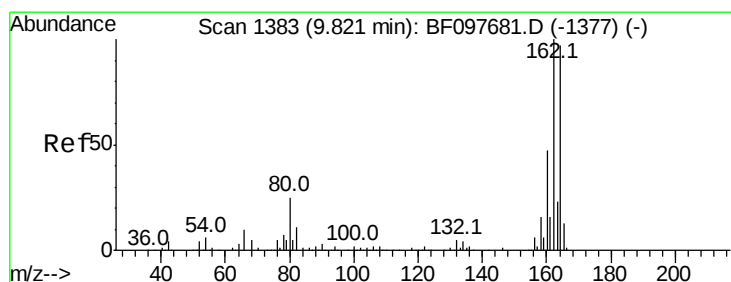
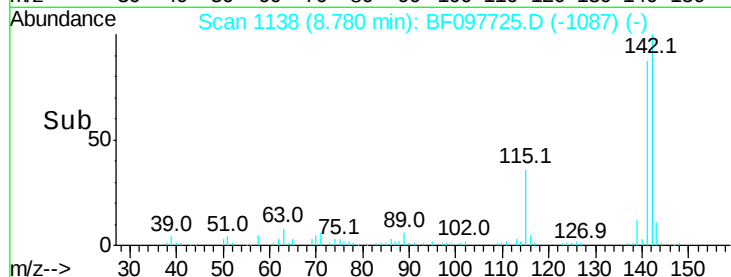
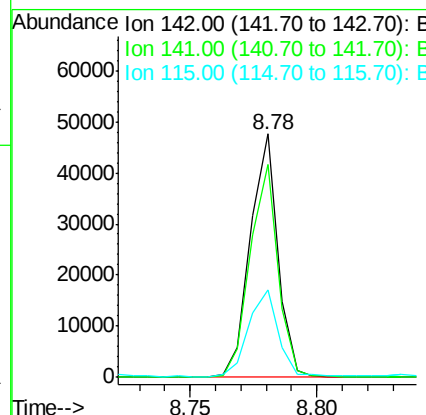
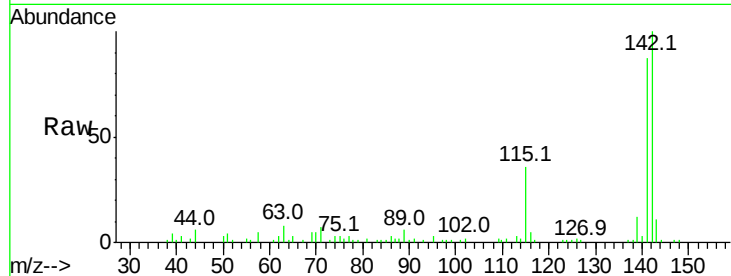
#37
 2-Methylnaphthalene
 Concen: 2.297 ng
 RT: 8.78 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: BF097725.D
 Acq: 16 Aug 2017 7:47

Instrument :
 BNA_F
 ClientSampleId :
 E2-H9-BASE

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.5	71.3	106.9
115	36.1	27.1	40.7

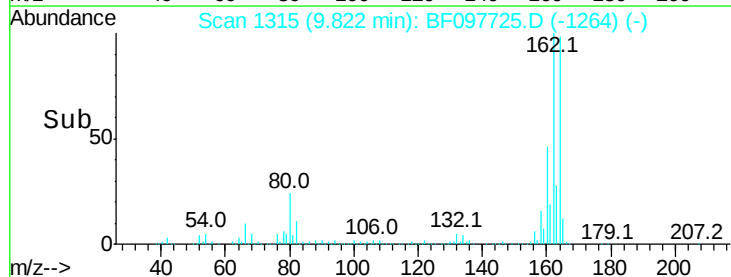
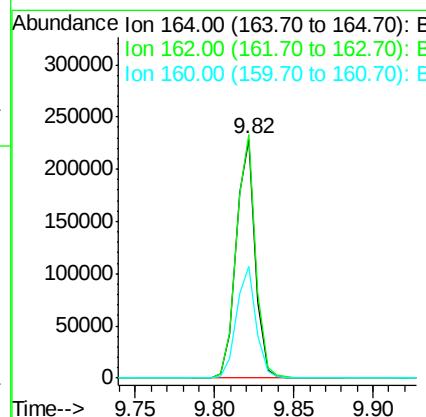
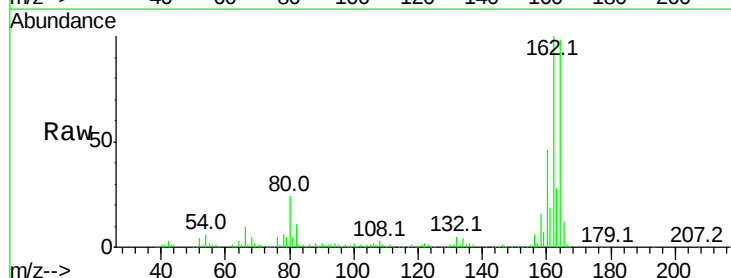
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: BF097725.D
 Acq: 16 Aug 2017 7:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.6	123.8
160	47.0	36.2	54.2





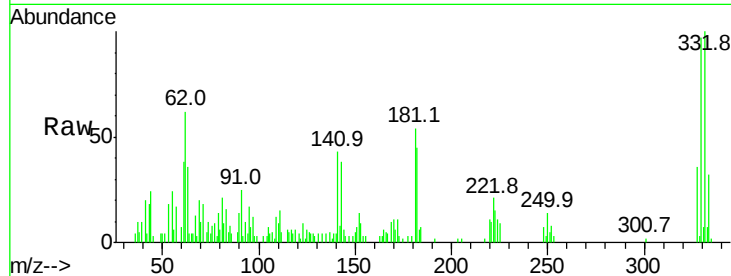
#41
 2,4,6-Tribromophenol
 Concen: 6.916 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097725.D
 Acq: 16 Aug 2017 7:47

Instrument :
 BNA_F
 ClientSampleId :
 E2-H9-BASE

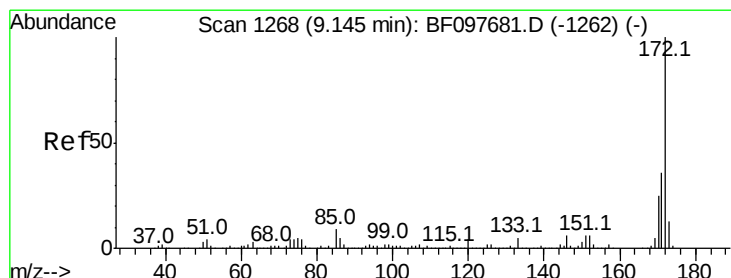
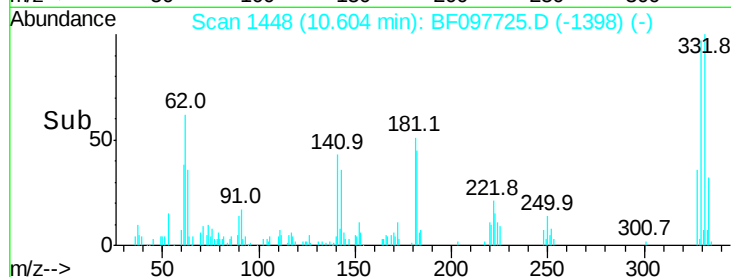
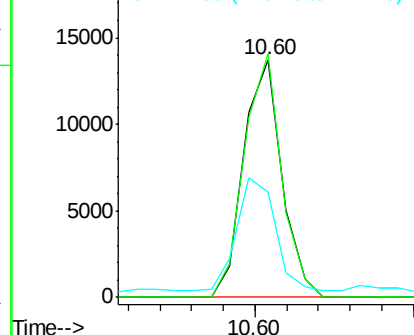
Tot Ion	Ratio	Resp	Lower	Upper
330	100	11411		
332	99.9	76.6	115.0	
141	50.4	31.4	47.2#	

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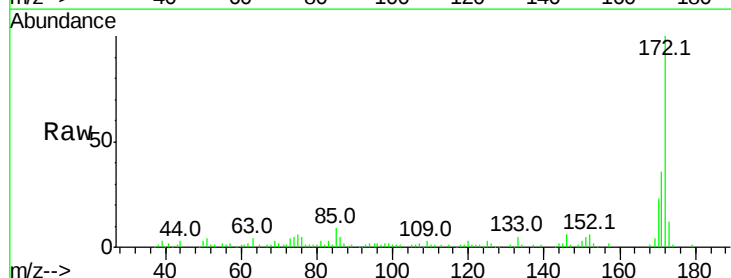


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

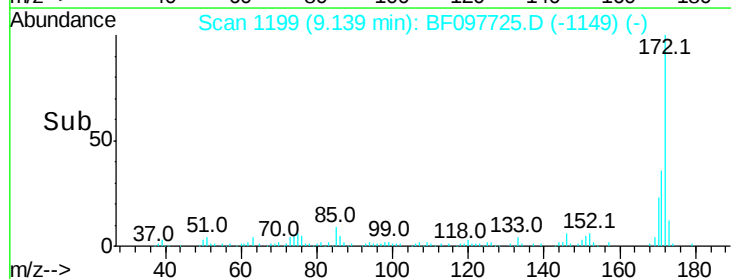
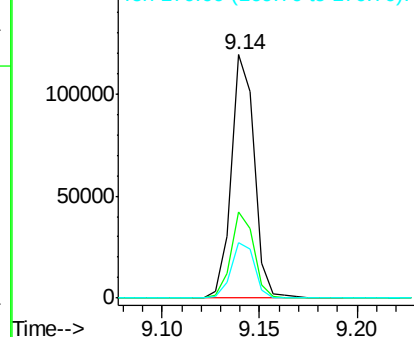


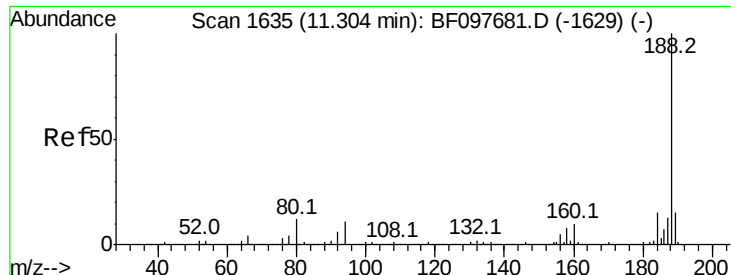
#44
 2-Fluorobiphenyl
 Concen: 7.531 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097725.D
 Acq: 16 Aug 2017 7:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	97477		
171	35.6	29.6	44.4	
170	22.9	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





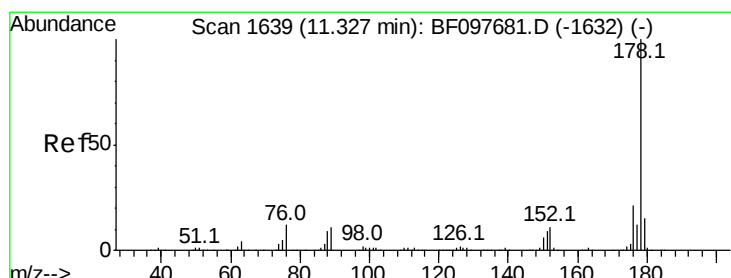
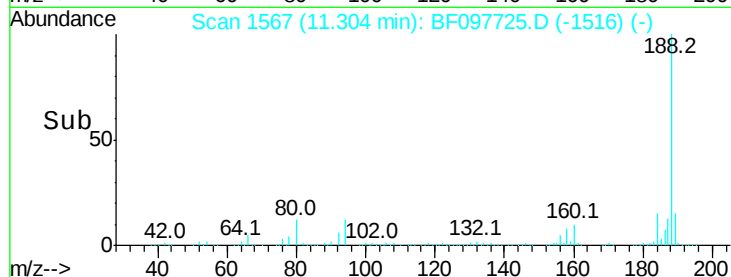
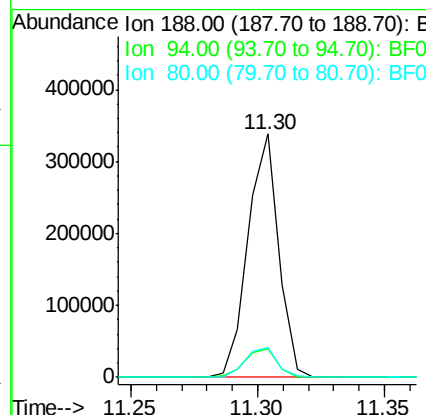
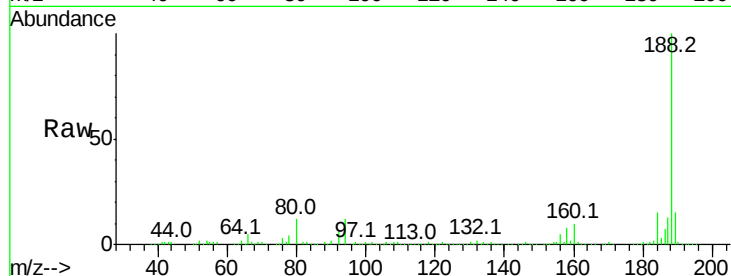
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF097725.D
Acq: 16 Aug 2017 7:47

Instrument :
BNA_F
ClientSampleId :
E2-H9-BASE

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.9	9.4	14.2
80	12.1	10.2	15.2

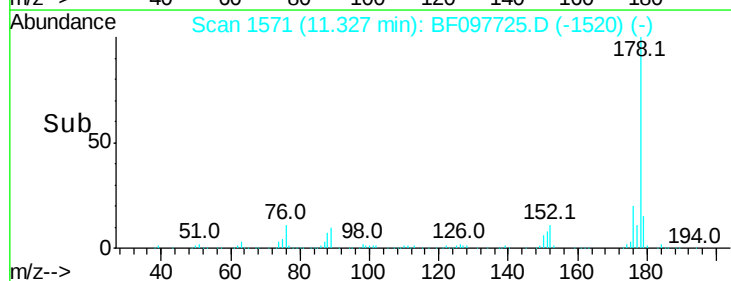
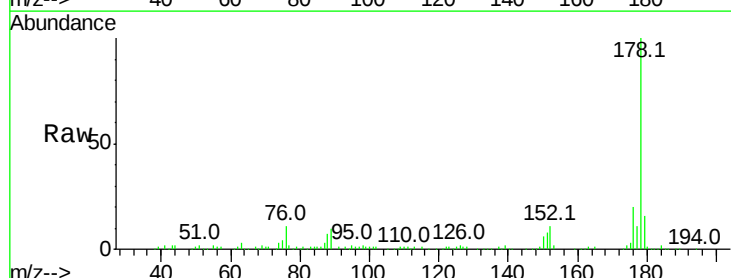
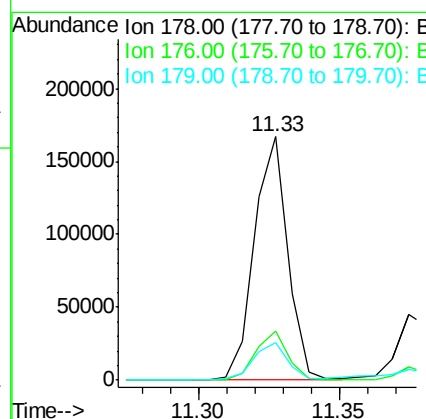
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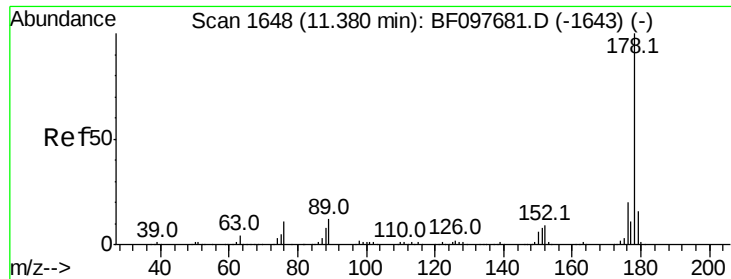
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#70
Phenanthrene
Concen: 9.071 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF097725.D
Acq: 16 Aug 2017 7:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.0	16.2	24.4
179	15.7	12.6	19.0





#71

Anthracene

Concen: 2.413 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF097725.D

Acq: 16 Aug 2017 7:47

Instrument :

BNA_F

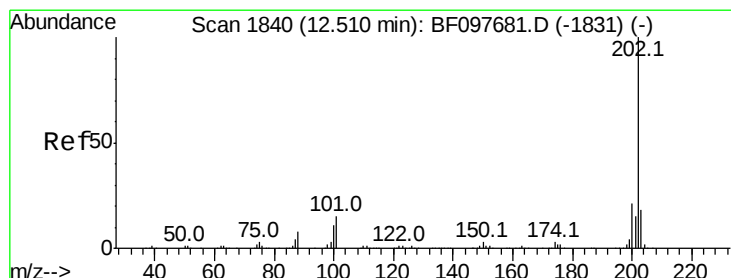
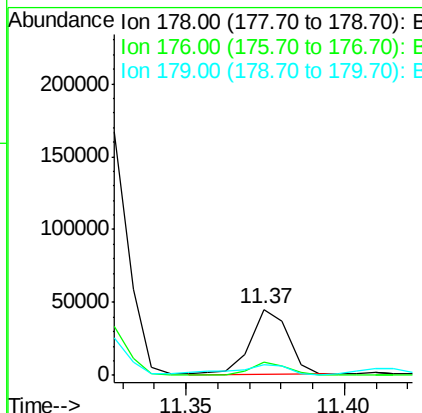
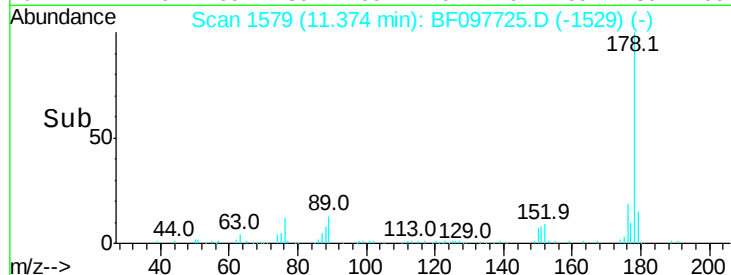
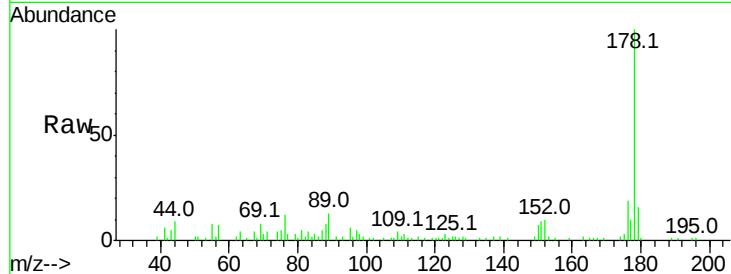
ClientSampleId :

E2-H9-BASE

Tot Ion:	178	Resp:	37038
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.8
179	16.2	12.7	19.1

Manual Integrations
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#74

Fluoranthene

Concen: 9.994 ng

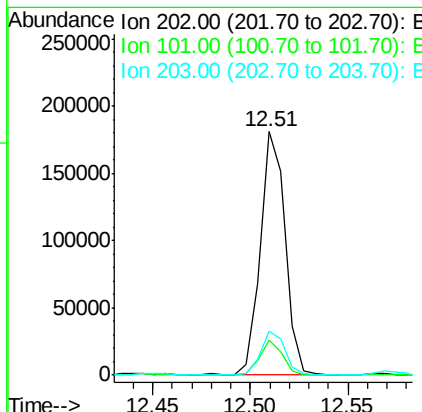
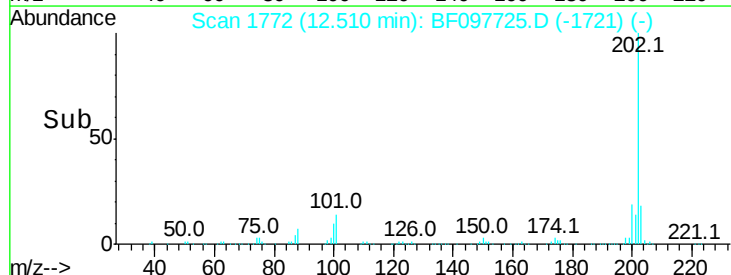
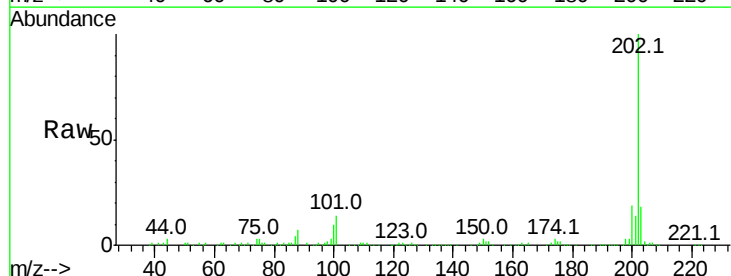
RT: 12.51 min Scan# 1772

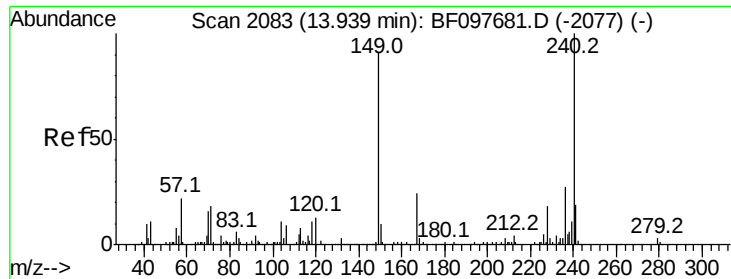
Delta R.T. 0.00 min

Lab File: BF097725.D

Acq: 16 Aug 2017 7:47

Tgt Ion:	202	Resp:	157835
Ion Ratio	Lower	Upper	
202	100		
101	14.5	0.0	33.2
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF097725.D

Acq: 16 Aug 2017 7:47

Instrument :

BNA_F

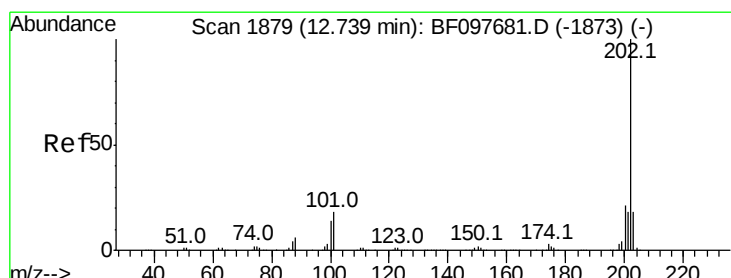
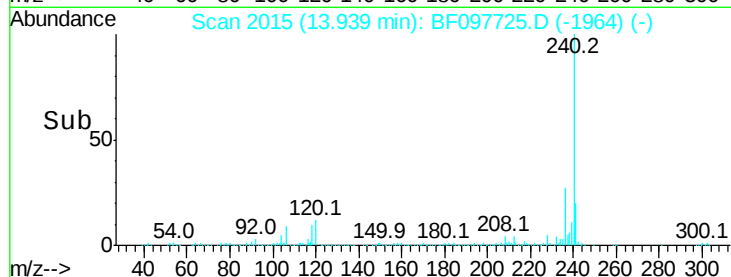
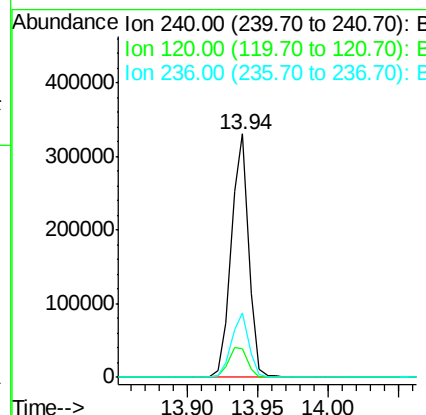
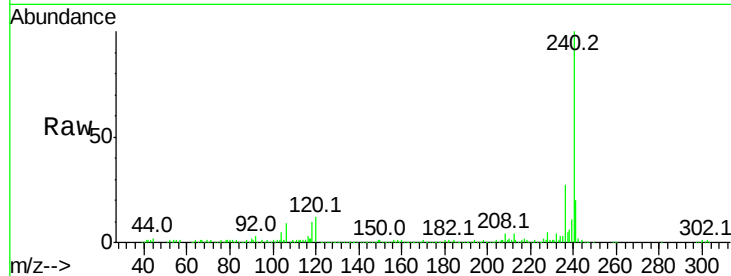
ClientSampleId :

E2-H9-BASE

Tot Ion	Ratio	Resp	Lower	Upper
240	100	282413		
120	11.8	5.8	8.8#	
236	26.5	20.5	30.7	

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#77

Pyrene

Concen: 6.700 ng

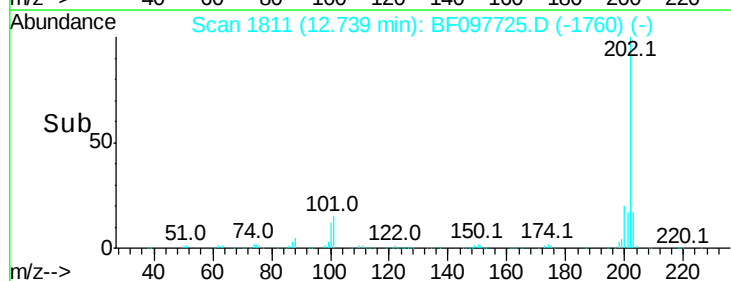
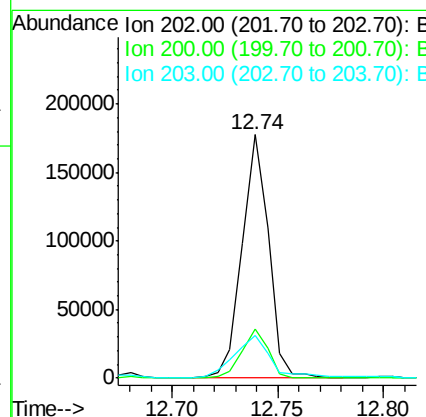
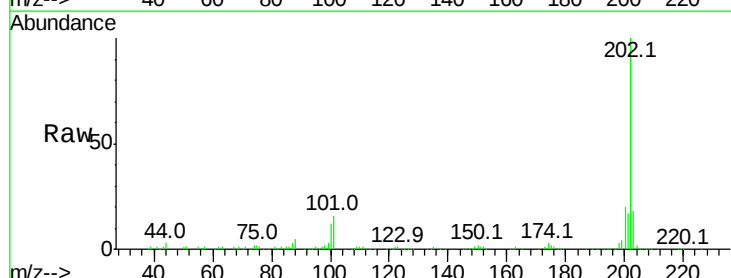
RT: 12.74 min Scan# 1811

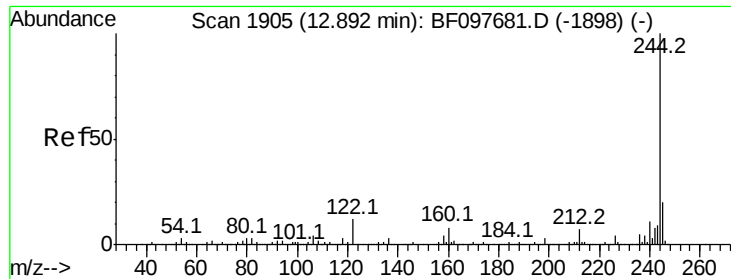
Delta R.T. 0.00 min

Lab File: BF097725.D

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Tgt Ion	Ratio	Resp	Lower	Upper
202	100	154753		
200	20.1	17.6	26.4	
203	17.6	14.4	21.6	





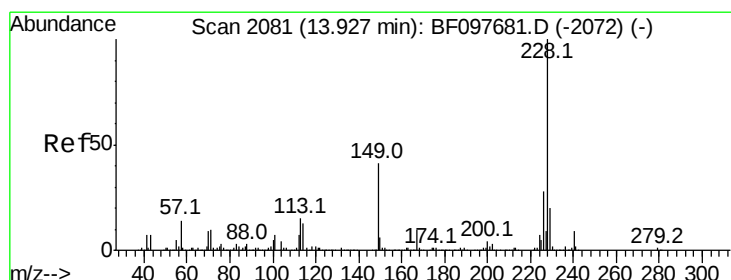
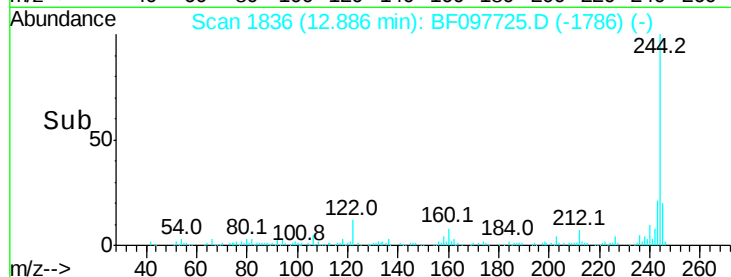
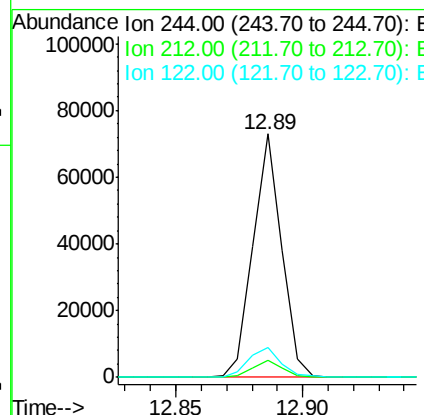
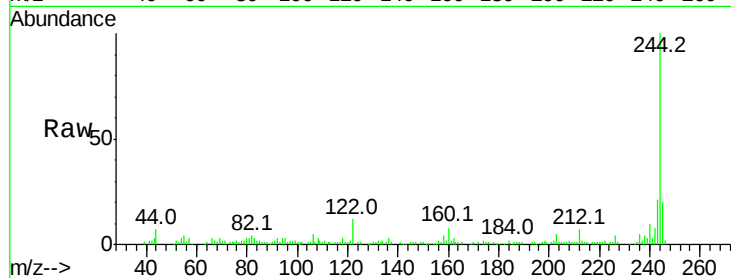
#78
 Terphenyl-d14
 Concen: 4.229 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: BF097725.D
 Acq: 16 Aug 2017 7:47

Instrument :
 BNA_F
 ClientSampled :
 E2-H9-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	12.3	10.3	15.5

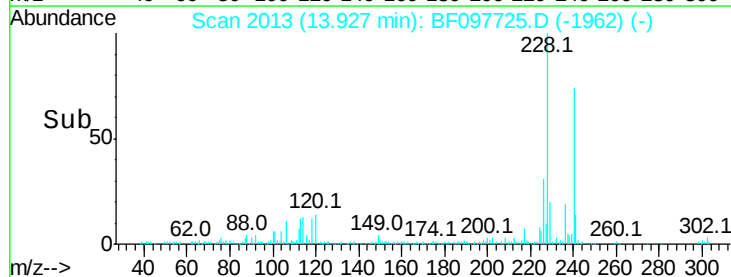
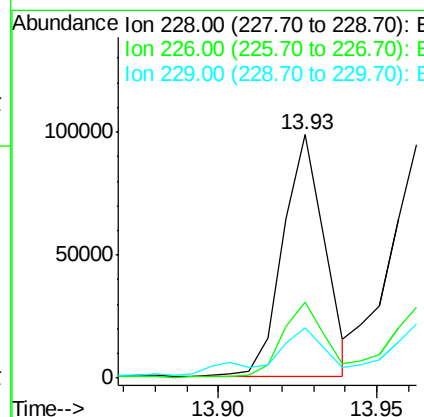
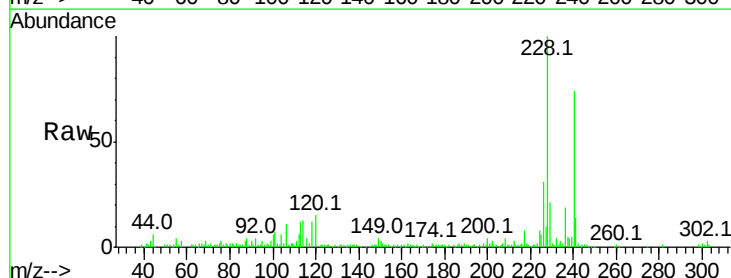
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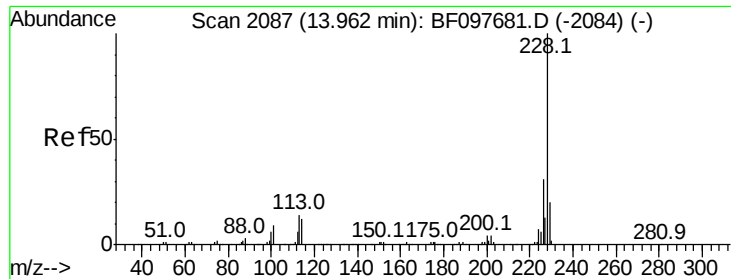
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#80
 Benzo(a)anthracene
 Concen: 5.323 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.00 min
 Lab File: BF097725.D
 Acq: 16 Aug 2017 7:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	33.8
229	20.8	16.3	24.5





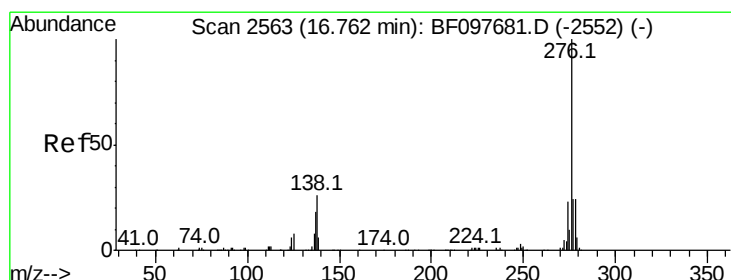
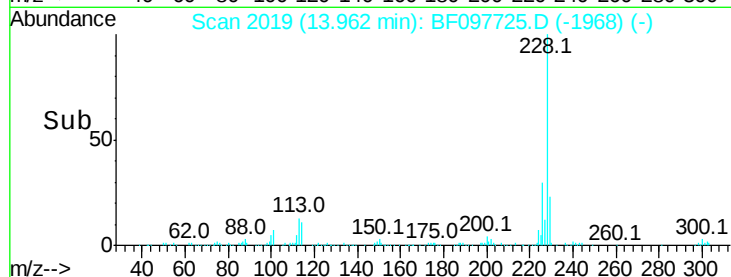
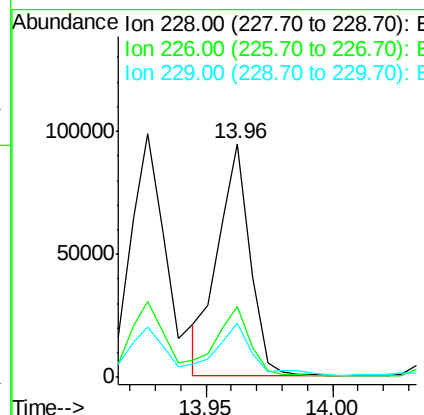
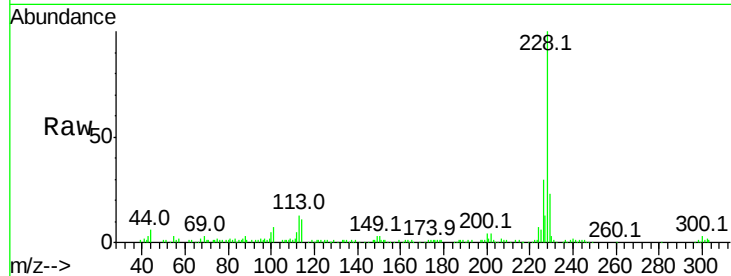
#82
Chrysene
Concen: 4.937 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF097725.D
Acq: 16 Aug 2017 7:47

Instrument :
BNA_F
ClientSampled :
E2-H9-BASE

Tot Ion	Ratio	Resp	Lower	Upper
228	100	83122		
226	30.3	24.9	37.3	
229	23.2	15.8	23.6	

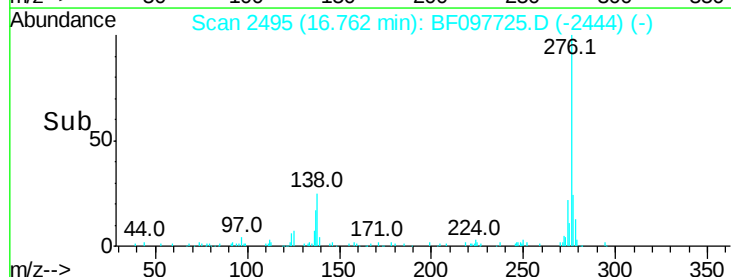
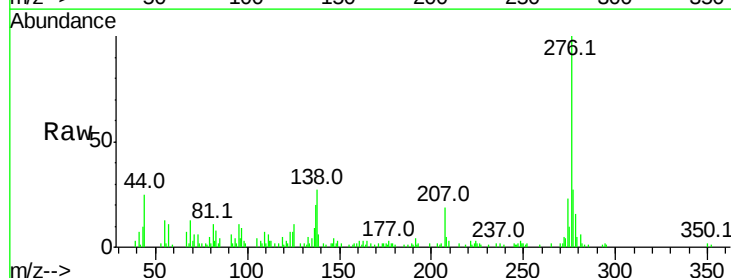
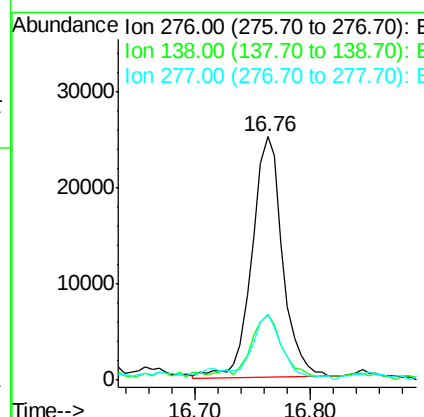
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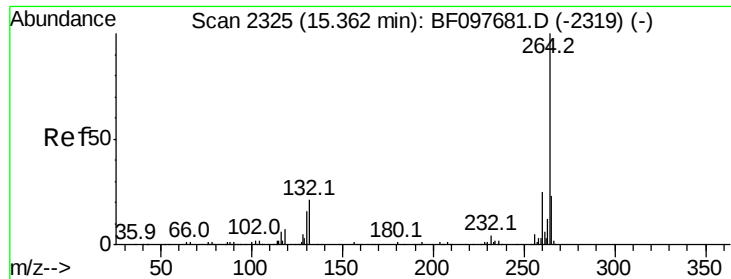
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.722 ng
RT: 16.76 min Scan# 2495
Delta R.T. 0.00 min
Lab File: BF097725.D
Acq: 16 Aug 2017 7:47

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	46108		
138	28.3	27.8	41.6	
277	27.8	20.2	30.4	





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BF097725.D

Acq: 16 Aug 2017 7:47

Instrument :

BNA_F

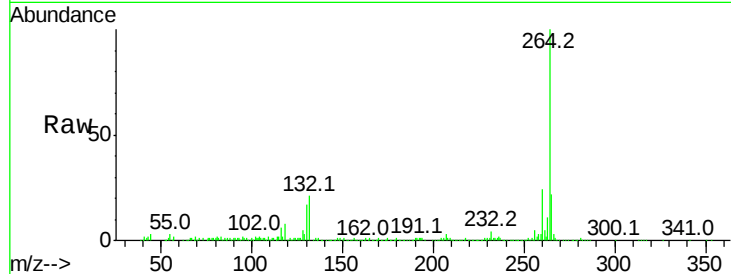
ClientSampleId :

E2-H9-BASE

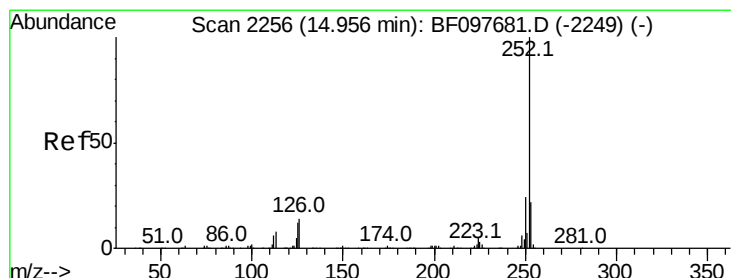
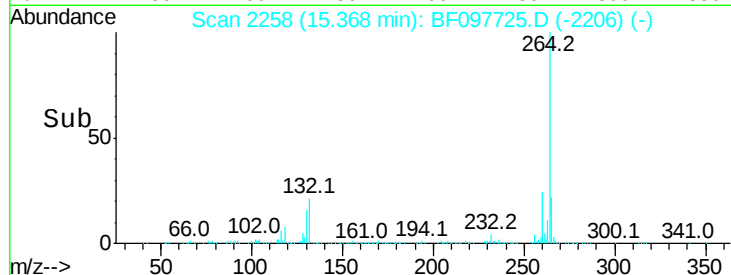
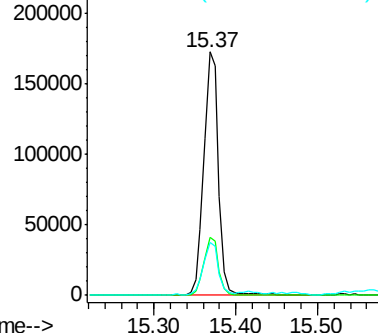
Tot Ion:	264	Resp:	215803
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.5	29.3
265	21.9	17.2	25.8

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 8.653 ng m

RT: 14.96 min Scan# 2188

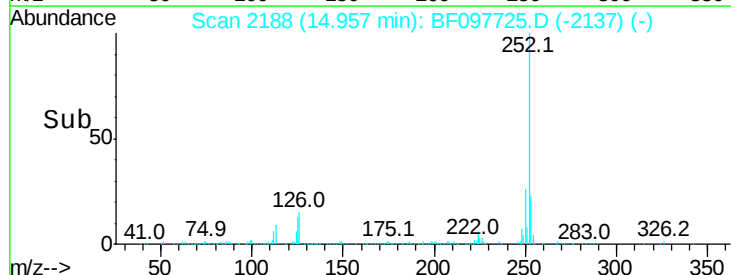
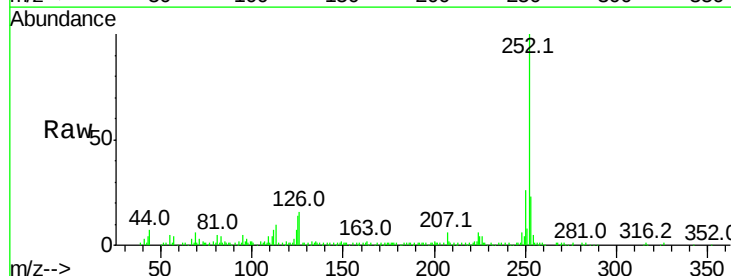
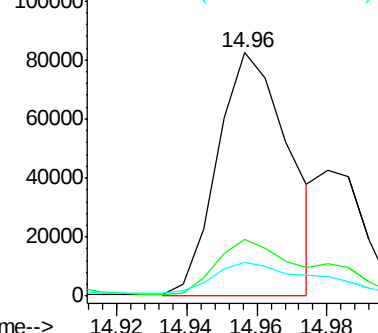
Delta R.T. 0.00 min

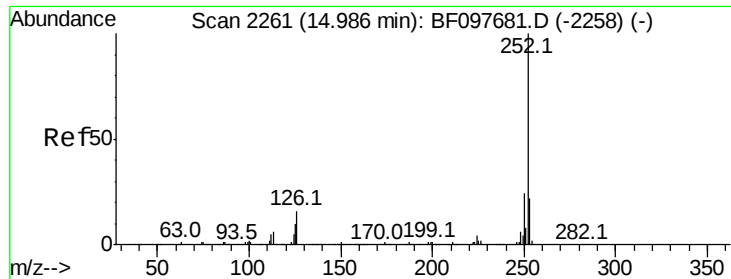
Lab File: BF097725.D

Acq: 16 Aug 2017 7:47

Tgt Ion:	252	Resp:	117706
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.1	27.1
125	13.9	9.8	14.8

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





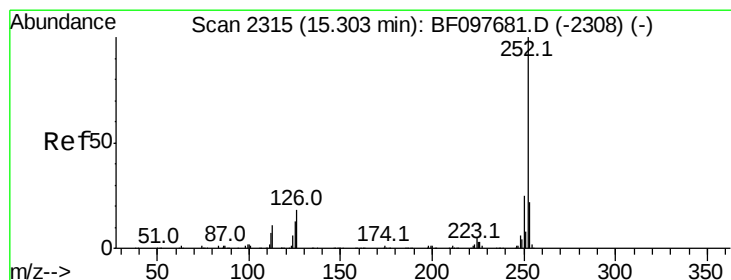
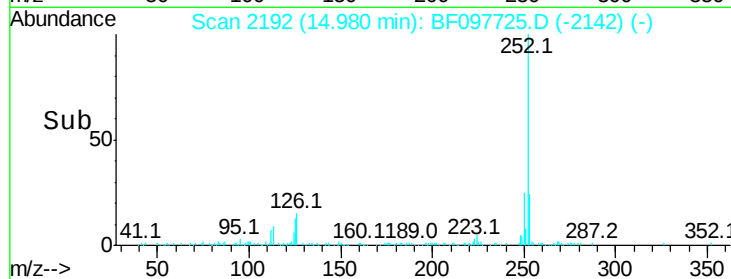
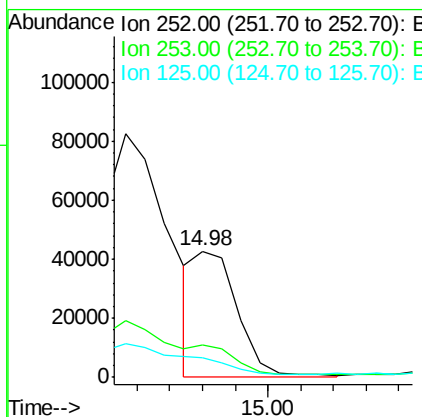
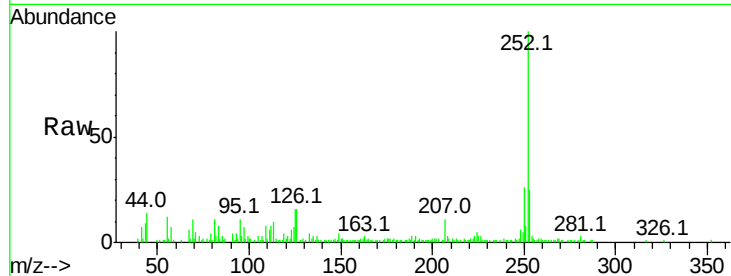
#88
Benzo(k)fluoranthene
Concen: 3.093 ng/mL
RT: 14.98 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF097725.D
Acq: 16 Aug 2017 7:47

Instrument :
BNA_F
ClientSampled :
E2-H9-BASE

Tot Ion	Ratio	Resp	Lower	Upper
252	100	39531		
253	25.3	18.4	27.6	
125	15.9	13.1	19.7	

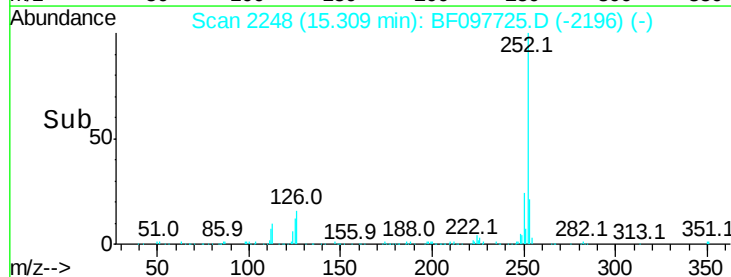
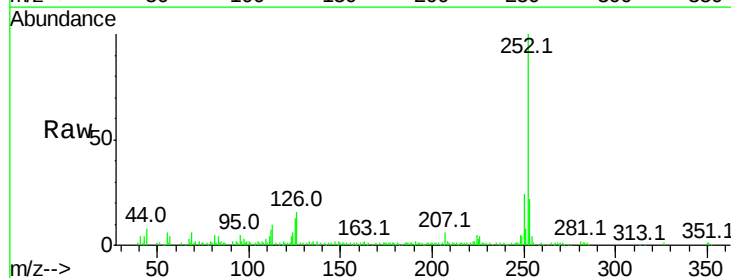
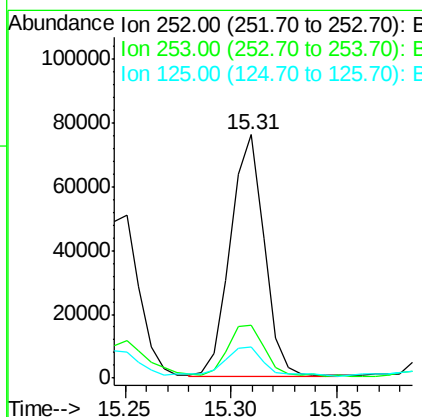
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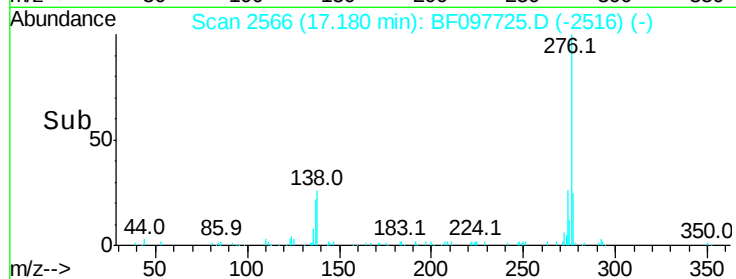
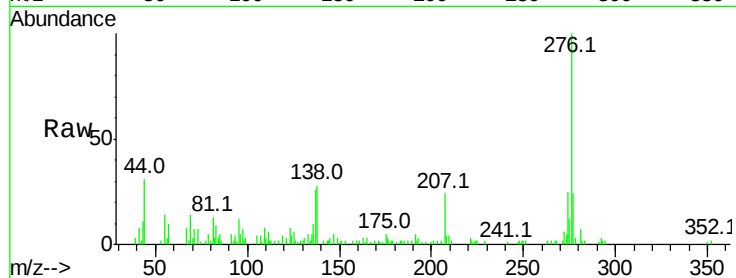
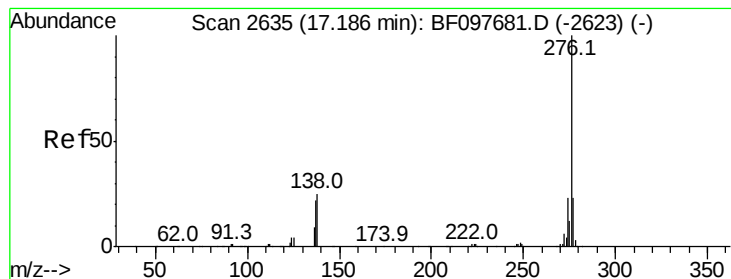
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#89
Benzo(a)pyrene
Concen: 6.951 ng/mL
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF097725.D
Acq: 16 Aug 2017 7:47

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	83709		
253	21.7	17.5	26.3	
125	12.9	11.0	16.4	





#91

Benzo(a,h,i)perylene

Concen: 4.332 ng

RT: 17.18 min Scan# 2566

Delta R.T. -0.01 min

Lab File: BF097725.D

Acq: 16 Aug 2017 7:47

Instrument :

BNA_F

ClientSampleId :

E2-H9-BASE

Tot Ion: 276 Resp: 44318

Ion Ratio Lower Upper

276 100

277 24.4 18.6 28.0

138 27.8 25.4 38.0

Manual Integrations
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