

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097830.D
 Acq On : 18 Aug 2017 12:35
 Operator : SJ/JU
 Sample : I4820-07
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-H8-BASE

Manual Integrations
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 8/18/2017 7:02:54 PM

Quant Time: Aug 18 14:15:59 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	6.77	152	123387	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	451522	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	166060	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	283685	20.00	ng	0.00
75) Chrysene-d12	13.93	240	253551	20.00	ng	-0.01
86) Perylene-d12	15.36	264	171961	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	944165	116.39	ng	0.00
7) Phenol-d6	6.41	99	1255445	113.91	ng	0.00
23) Nitrobenzene-d5	7.34	82	736817	88.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	158044	109.69	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	975126	86.27	ng	0.00
78) Terphenyl-d14	12.89	244	725135	59.64	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.53	163	152148	12.534	ng	99
70) Phenanthrene	11.32	178	69207	4.578	ng	98
74) Fluoranthene	12.50	202	167681	10.627	ng	98
77) Pyrene	12.73	202	167156	8.061	ng	97
80) Benzo(a)anthracene	13.92	228	98248	6.465	ng	96
82) Chrysene	13.96	228	91502	6.053	ng	97
85) Indeno(1,2,3-cd)pyrene	16.76	276	55754	5.014	ng	# 91
87) Benzo(b)fluoranthene	14.95	252	126085m	11.632	ng	
88) Benzo(k)fluoranthene	14.97	252	35413m	3.477	ng	
89) Benzo(a)pyrene	15.30	252	88958	9.271	ng	99
91) Benzo(g,h,i)perylene	17.18	276	57110	7.006	ng	95

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

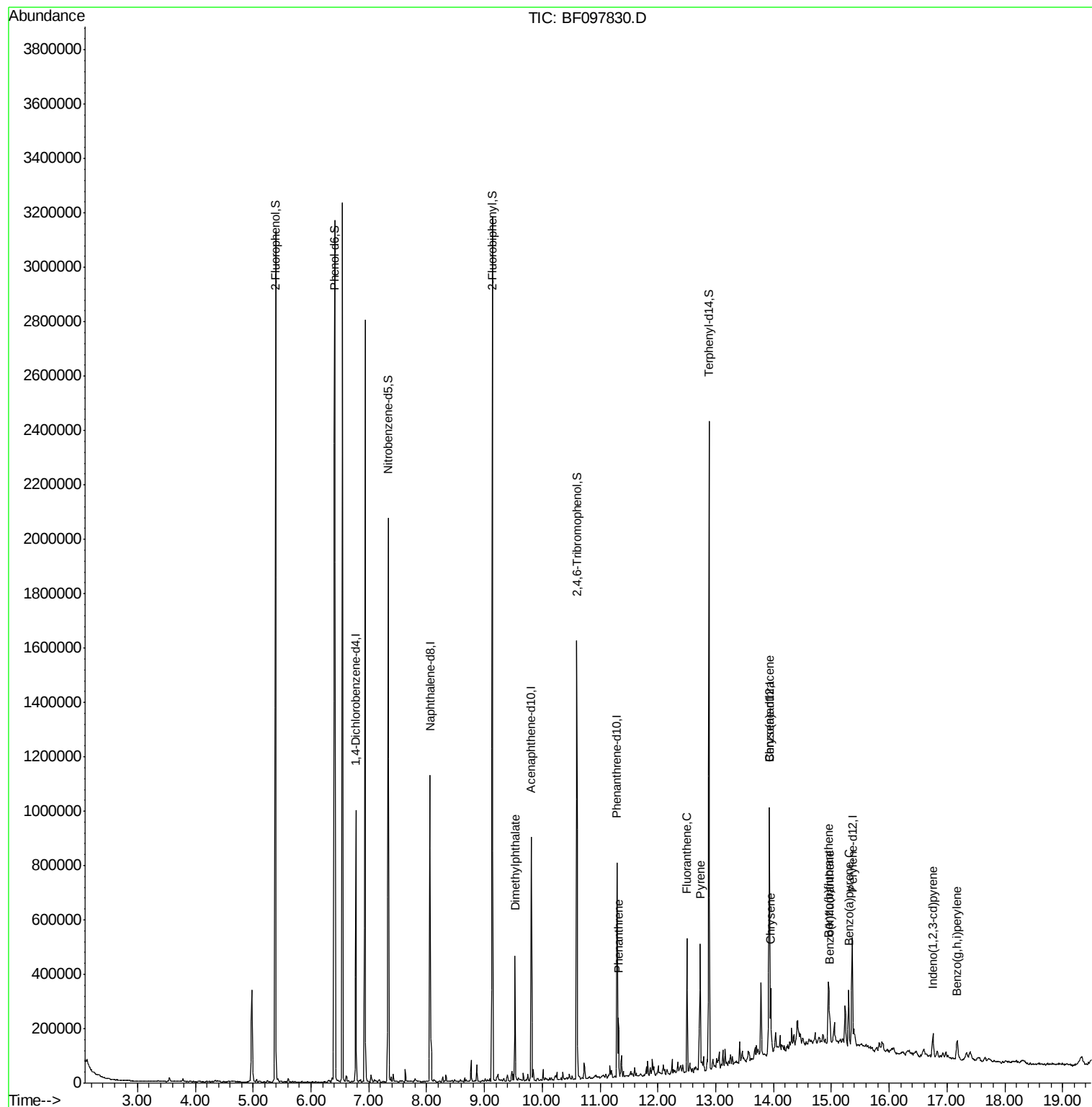
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097830.D
Acq On : 18 Aug 2017 12:35
Operator : SJ/JU
Sample : I4820-07
Misc :
ALS Vial : 44 Sample Multiplier: 1

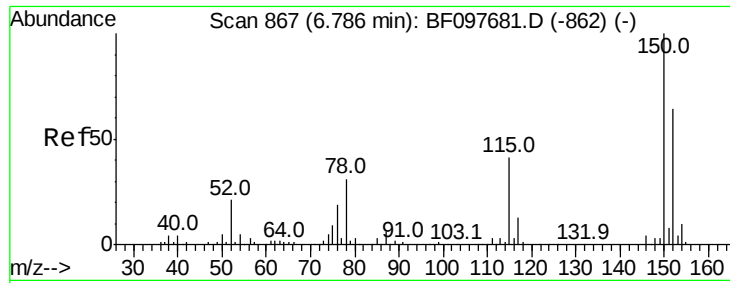
Instrument :
BNA_F
ClientSampleId :
E2-H8-BASE

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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#1

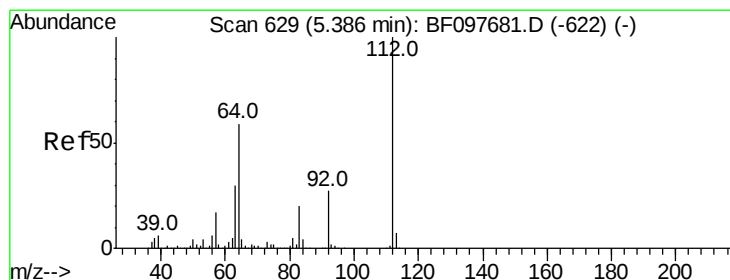
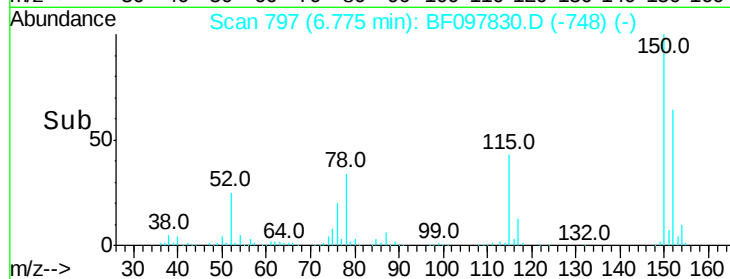
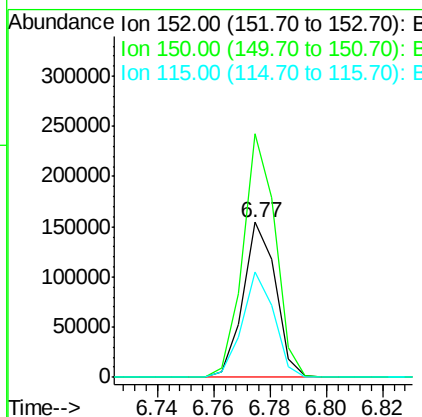
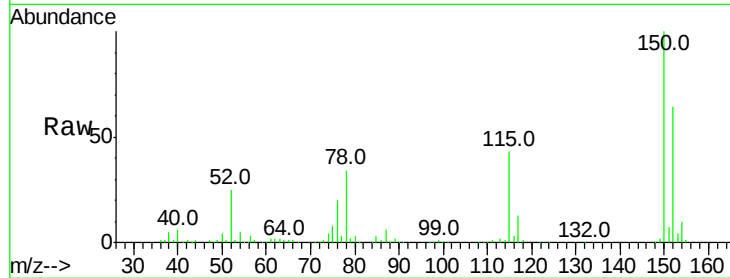
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097830.D
Acq: 18 Aug 2017 12:35

Instrument :
BNA_F
ClientSampleId :
E2-H8-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	68.1	52.2	78.2

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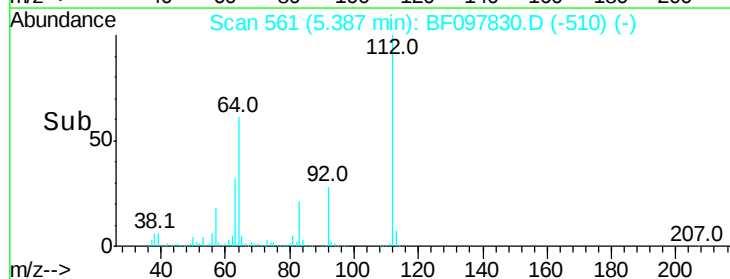
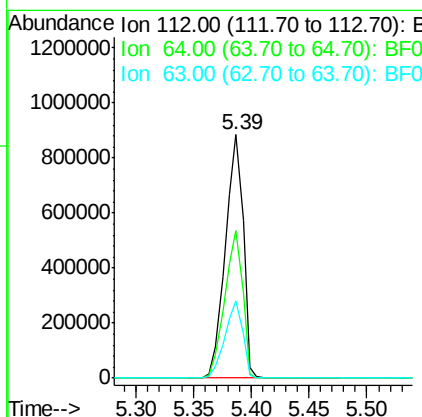
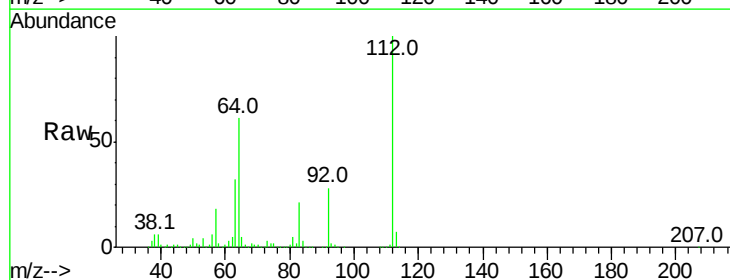
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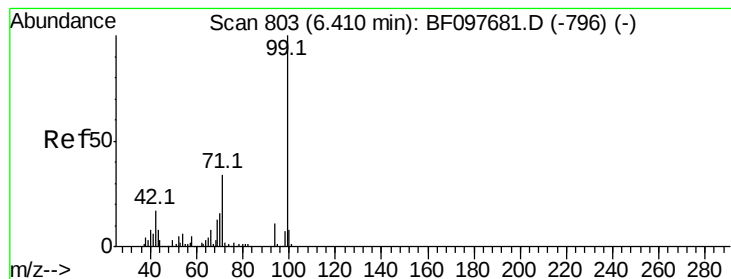


#5

2-Fluorophenol
Concen: 116.394 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF097830.D
Acq: 18 Aug 2017 12:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	46.0	69.0
63	31.6	23.4	35.0





#7

Phenol-d6

Concen: 113.907 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097830.D

Acq: 18 Aug 2017 12:35

Instrument :

BNA_F

ClientSampled :

E2-H8-BASE

Tot Ion: 99 Resp: 1255445

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

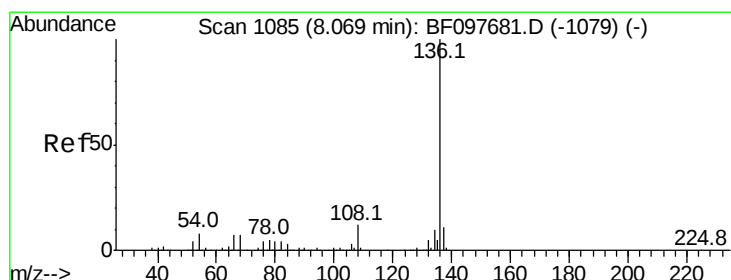
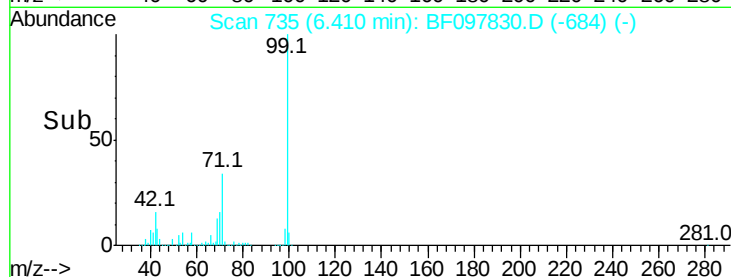
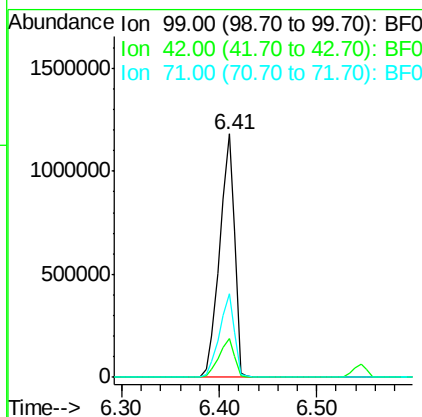
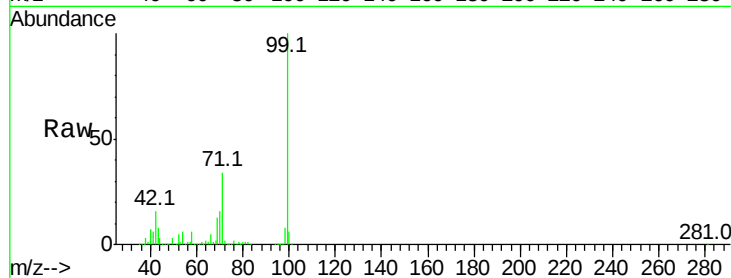
71 34.1 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF097830.D

Acq: 18 Aug 2017 12:35

Tgt Ion: 136 Resp: 451522

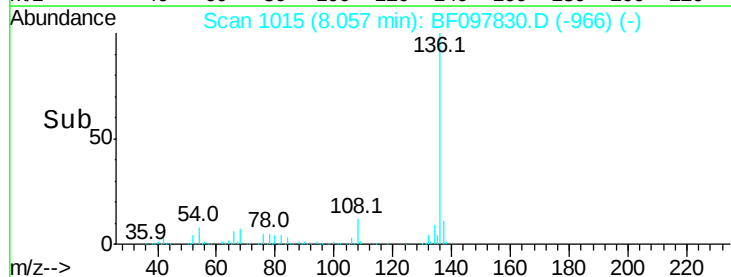
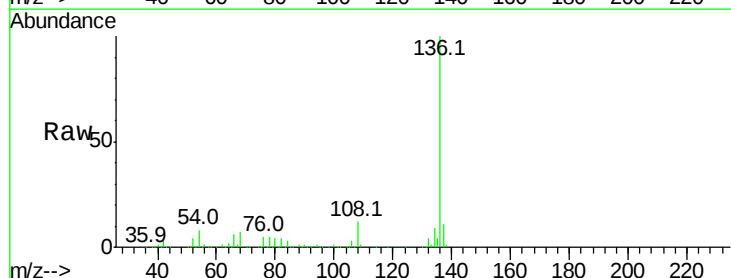
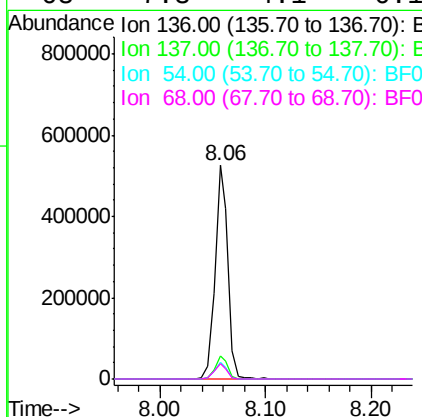
Ion Ratio Lower Upper

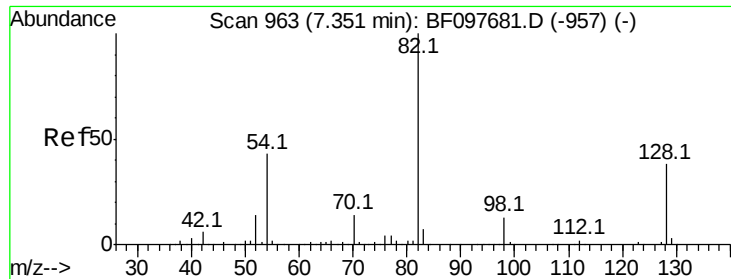
136 100

137 11.0 8.5 12.7

54 8.0 4.9 7.3#

68 7.3 4.1 6.1#





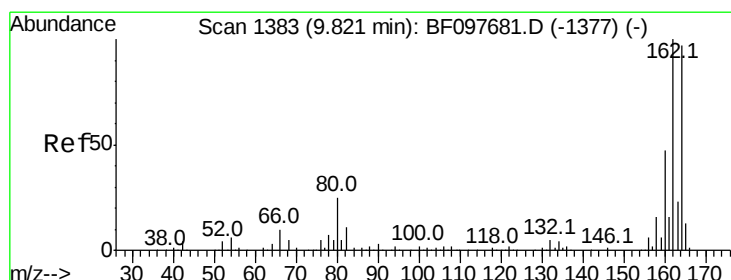
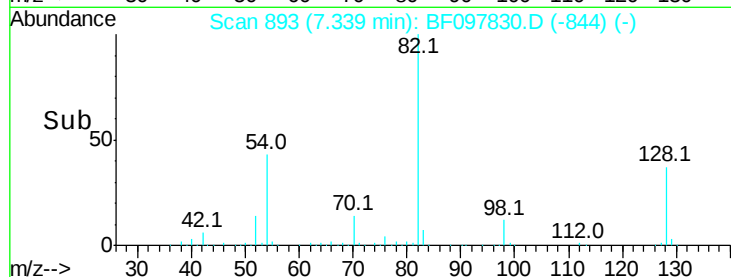
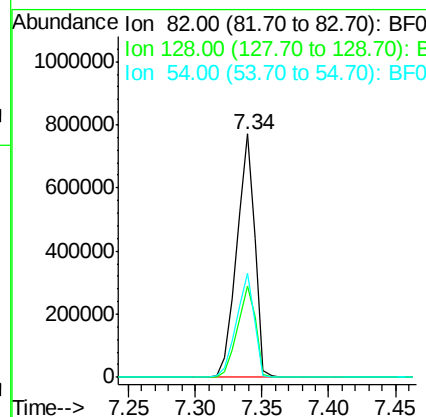
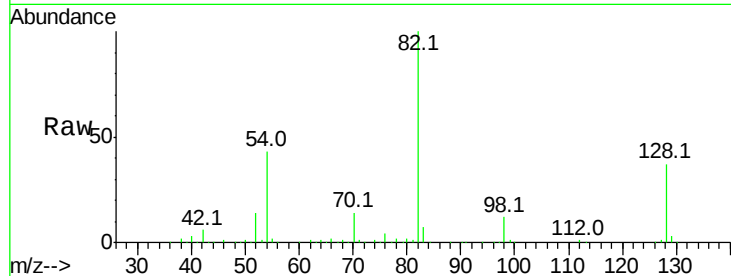
#23
 Nitrobenzene-d5
 Concen: 88.650 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF097830.D
 Acq: 18 Aug 2017 12:35

Instrument :
 BNA_F
 ClientSampleId :
 E2-H8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.3	34.0	51.0	
54	42.9	42.2	63.2	

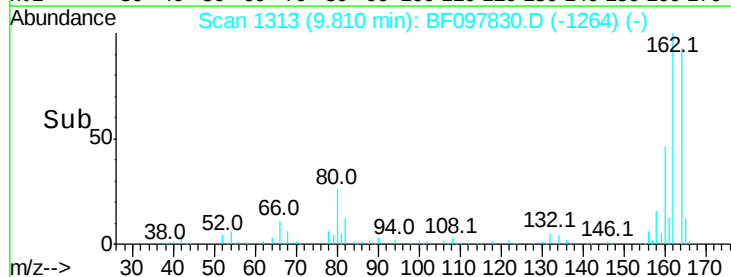
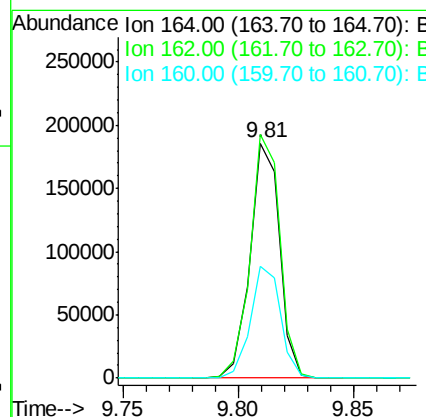
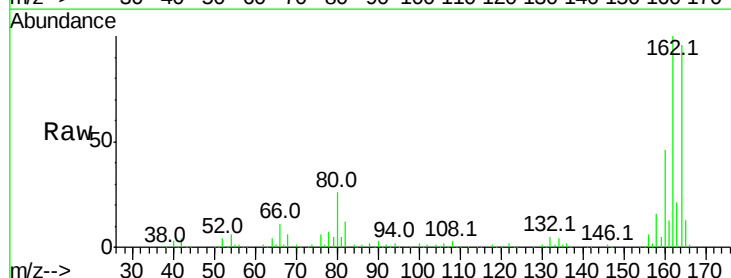
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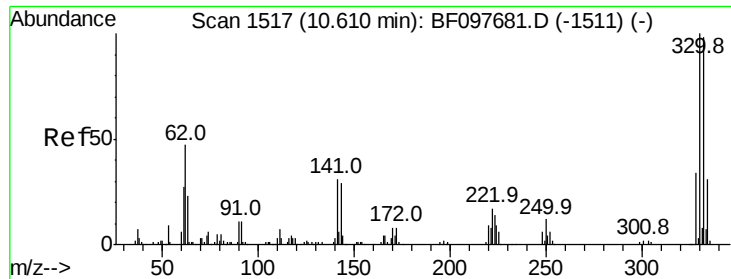
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF097830.D
 Acq: 18 Aug 2017 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.7	82.6	123.8	
160	47.6	36.2	54.2	





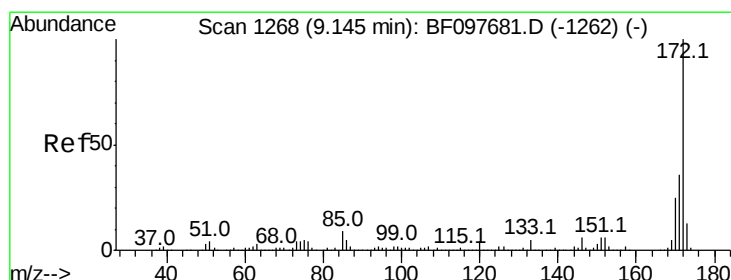
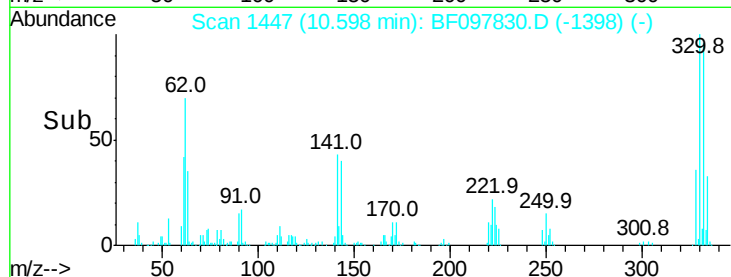
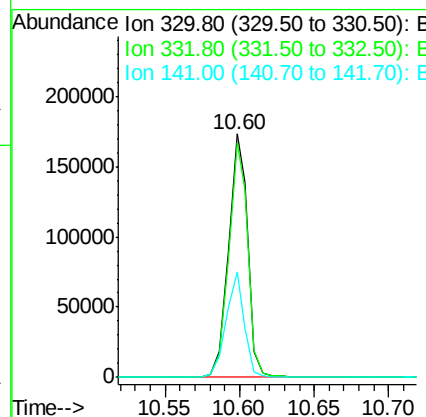
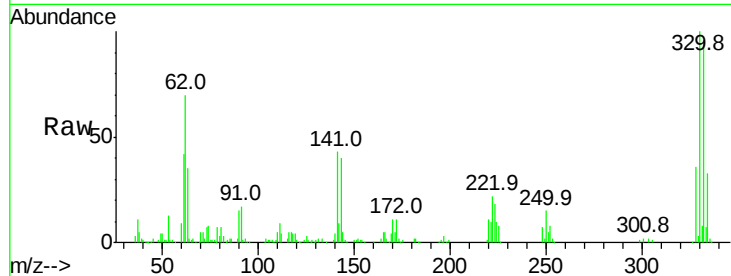
#41
 2,4,6-Tribromophenol
 Concen: 109.689 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097830.D
 Acq: 18 Aug 2017 12:35

Instrument :
 BNA_F
 ClientSampleId :
 E2-H8-BASE

Tot Ion:	330	Resp:	158044
Ion Ratio	Lower	Upper	
330	100		
332	95.5	76.6	115.0
141	41.2	31.4	47.2

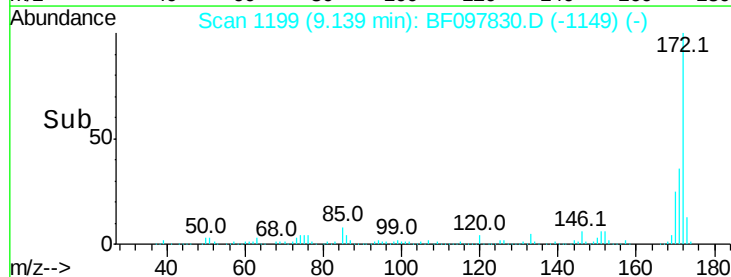
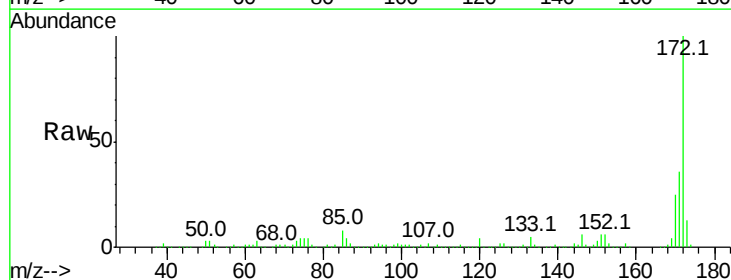
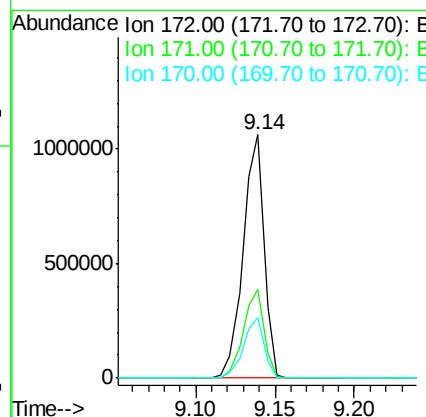
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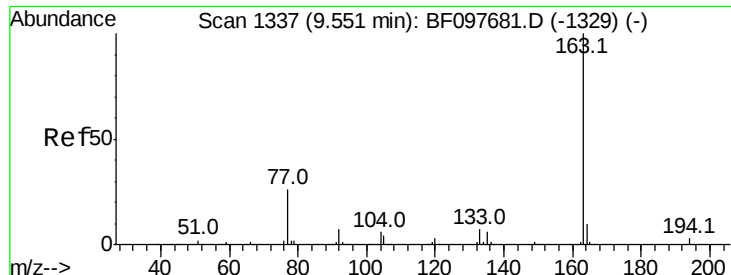
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#44
 2-Fluorobiphenyl
 Concen: 86.274 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097830.D
 Acq: 18 Aug 2017 12:35

Tgt Ion:	172	Resp:	975126
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.6	44.4
170	24.7	19.8	29.8





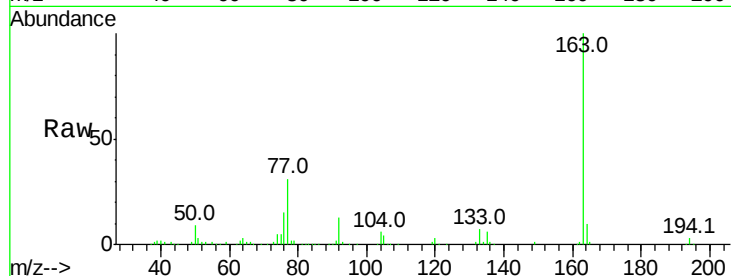
#49
Dimethylphthalate
Concen: 12.534 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF097830.D
Acq: 18 Aug 2017 12:35

Instrument :
BNA_F
ClientSampleId :
E2-H8-BASE

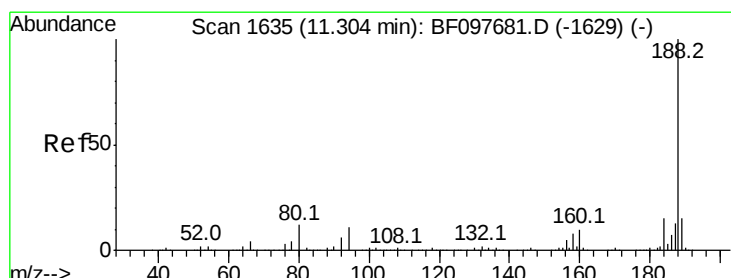
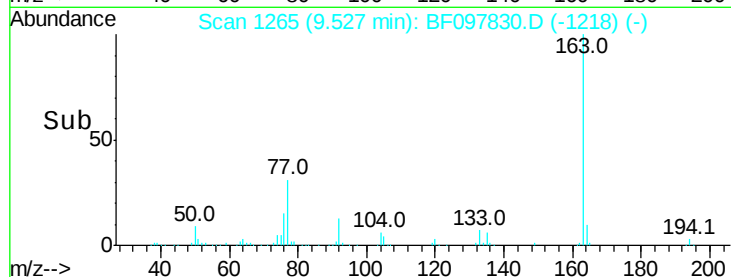
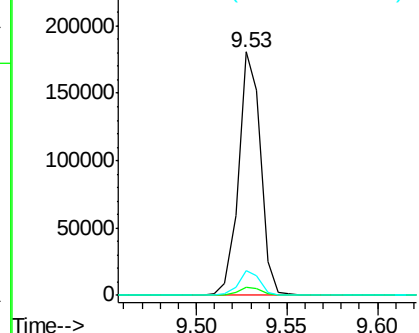
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.0	8.4	12.6

Manual Integrations
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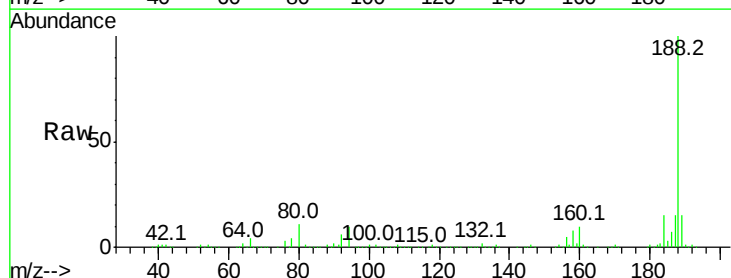


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

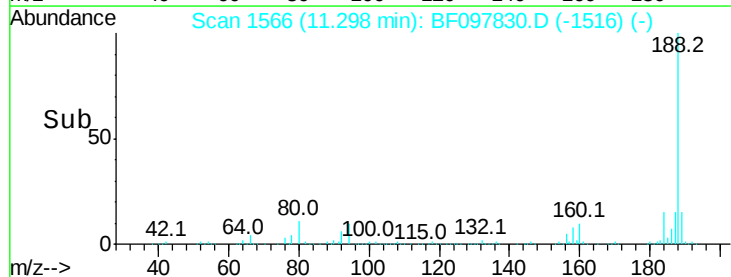
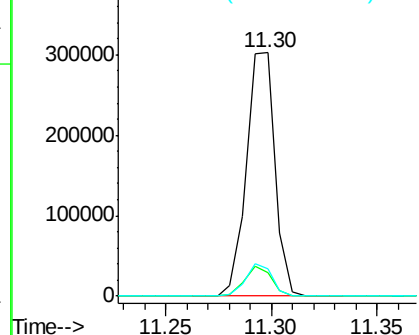


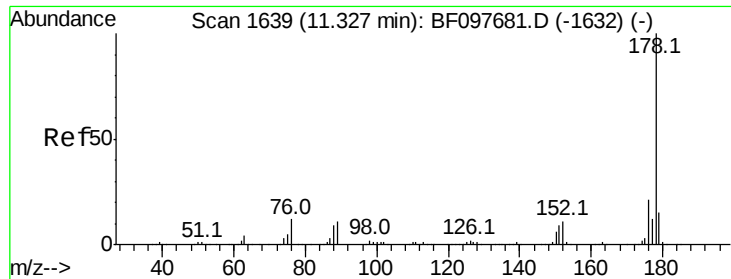
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097830.D
Acq: 18 Aug 2017 12:35

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.9	9.4	14.2
80	11.1	10.2	15.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





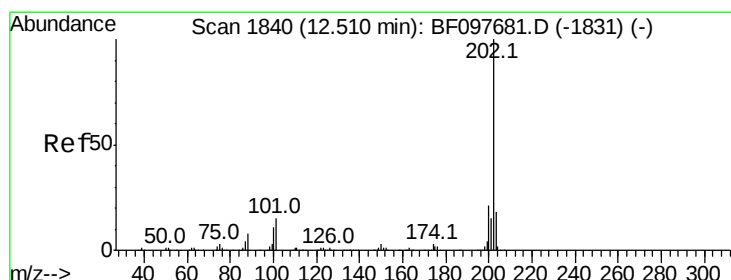
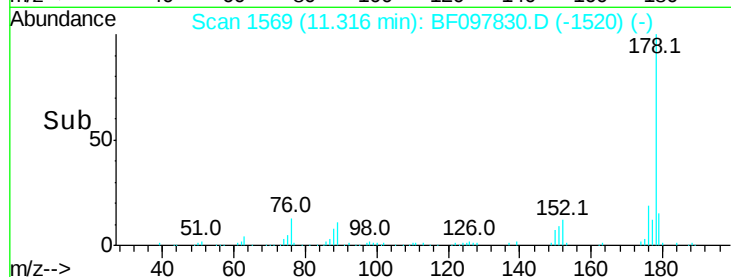
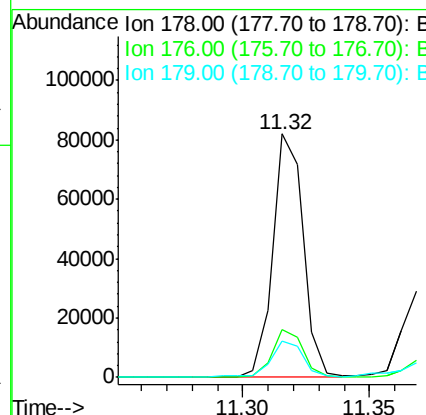
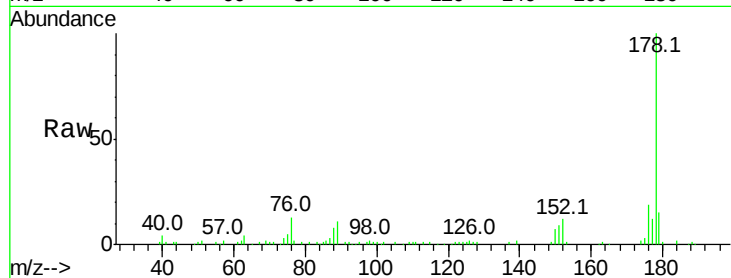
#70
Phenanthrene
Concen: 4.578 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF097830.D
Acq: 18 Aug 2017 12:35

Instrument :
BNA_F
ClientSampled :
E2-H8-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	14.9	12.6	19.0

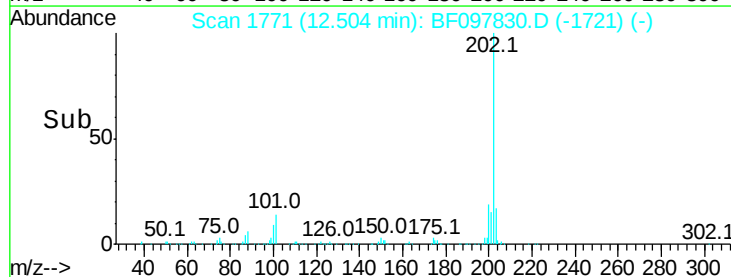
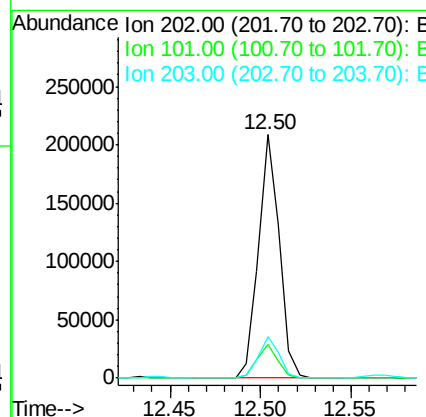
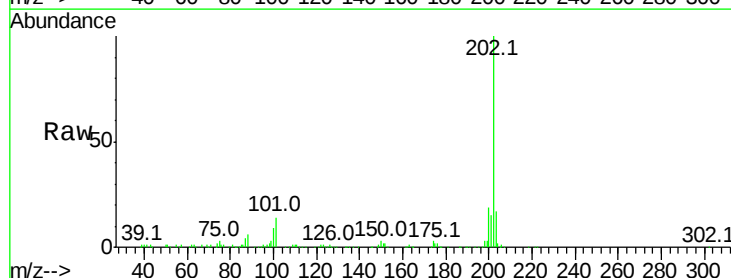
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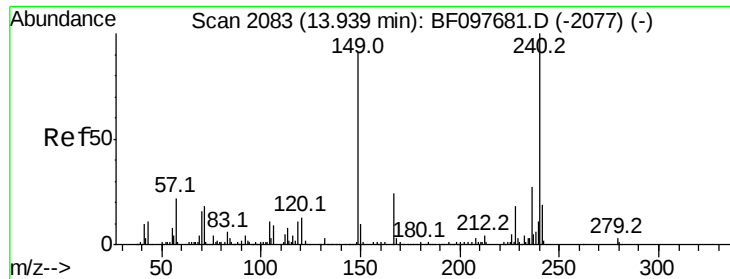
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#74
Fluoranthene
Concen: 10.627 ng
RT: 12.50 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BF097830.D
Acq: 18 Aug 2017 12:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF097830.D

Acq: 18 Aug 2017 12:35

Instrument :

BNA_F

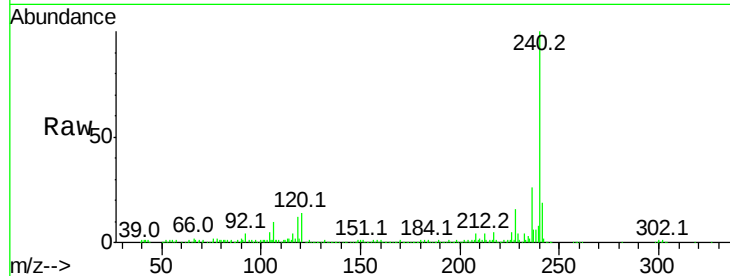
ClientSampleId :

E2-H8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
240	100	253551		
120	14.4	5.8	8.8#	
236	26.3	20.5	30.7	

Manual Integrations
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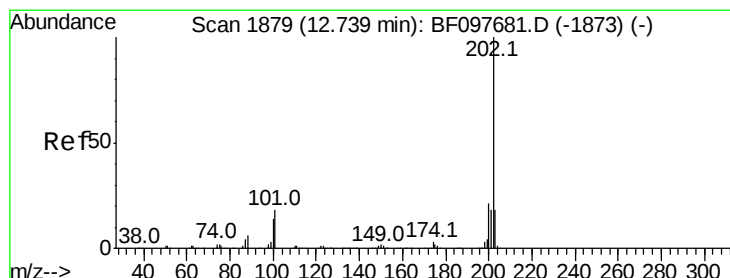
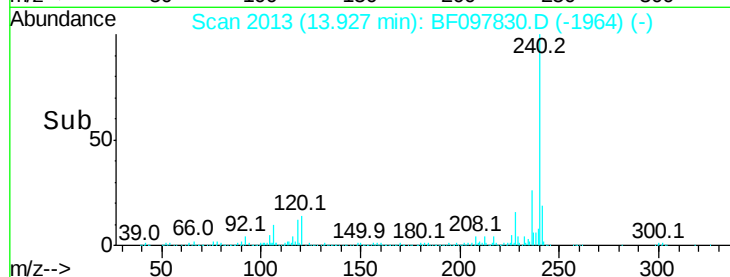
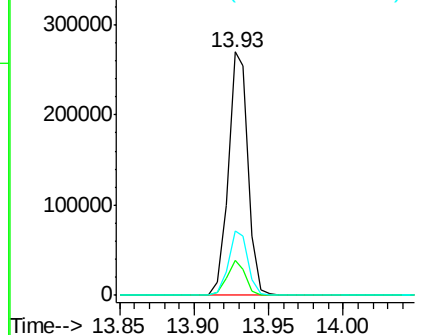
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.061 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097830.D

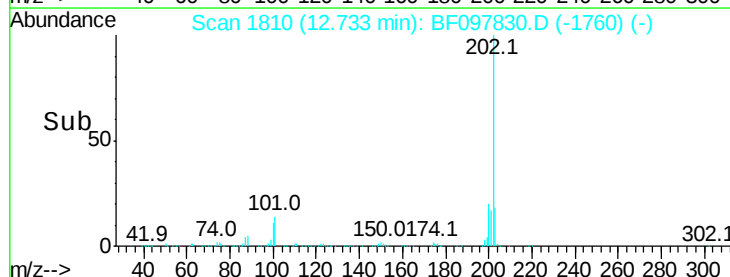
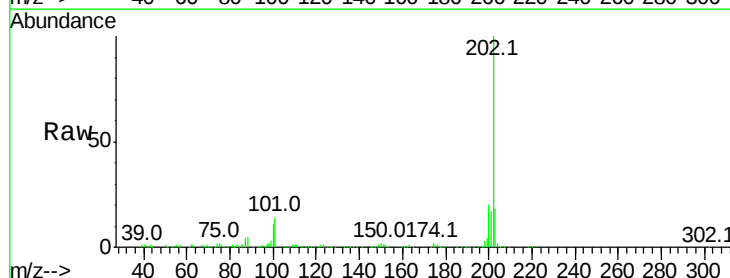
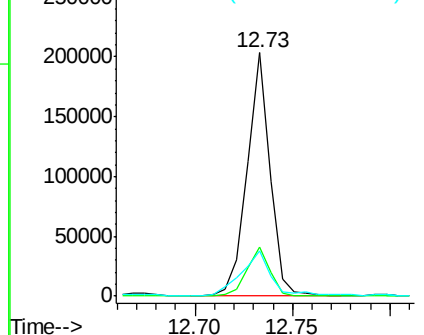
Acq: 18 Aug 2017 12:35

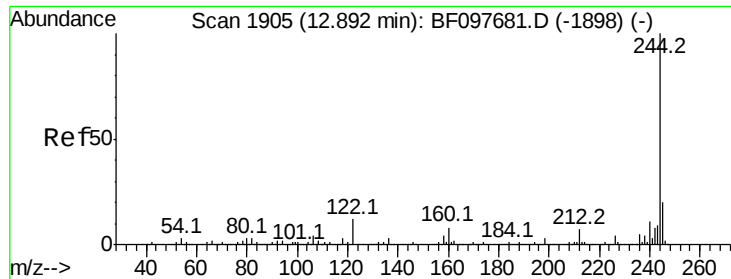
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	167156		
200	20.1	17.6	26.4	
203	18.3	14.4	21.6	

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





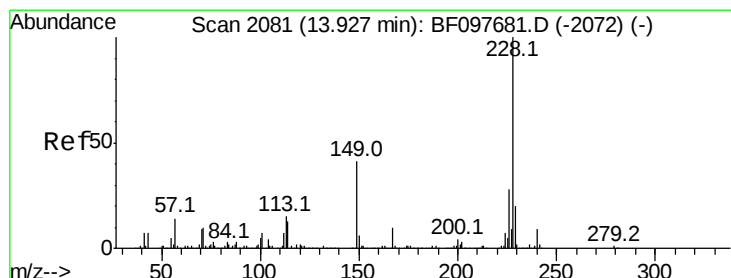
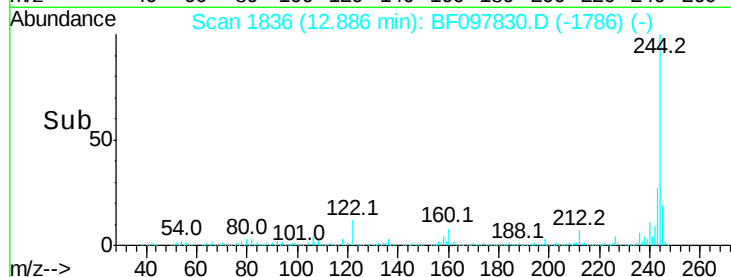
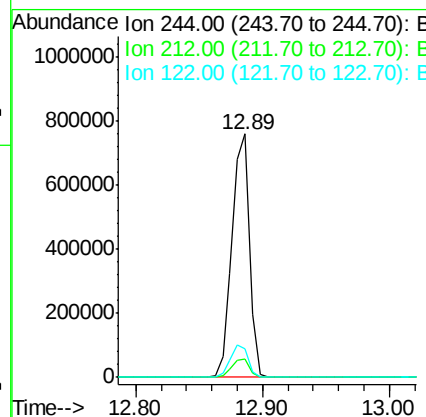
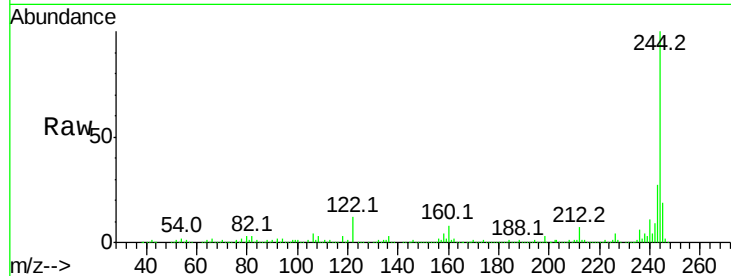
#78
 Terphenyl-d14
 Concen: 59.639 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: BF097830.D
 Acq: 18 Aug 2017 12:35

Instrument :
 BNA_F
 ClientSampled :
 E2-H8-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	11.7	10.3	15.5

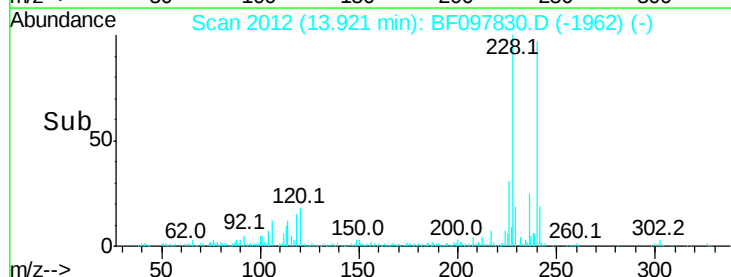
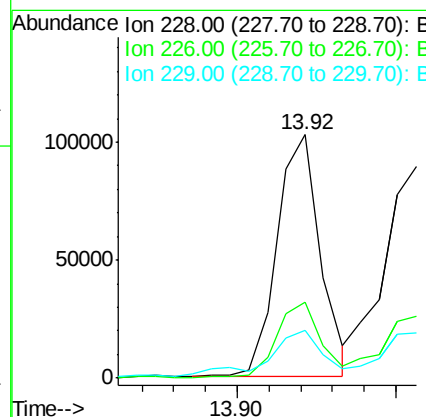
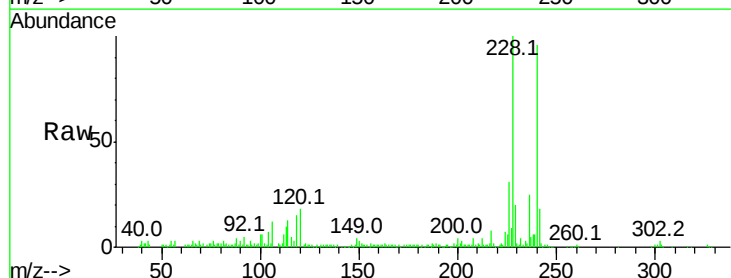
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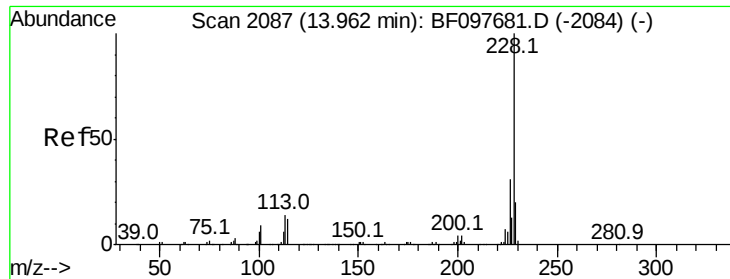
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#80
 Benzo(a)anthracene
 Concen: 6.465 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF097830.D
 Acq: 18 Aug 2017 12:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	33.8
229	19.7	16.3	24.5





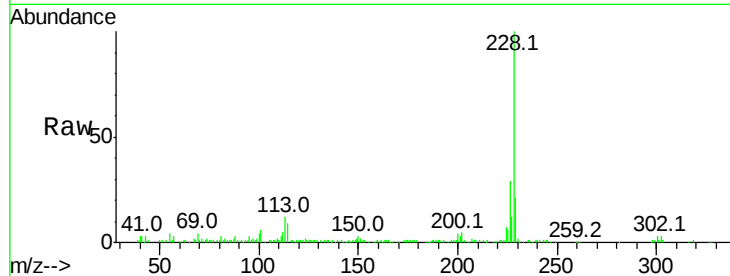
#82
Chrysene
Concen: 6.053 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF097830.D
Acq: 18 Aug 2017 12:35

Instrument :
BNA_F
ClientSampled :
E2-H8-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.9	37.3
229	21.4	15.8	23.6

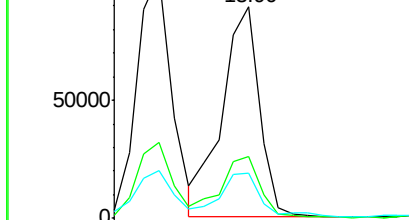
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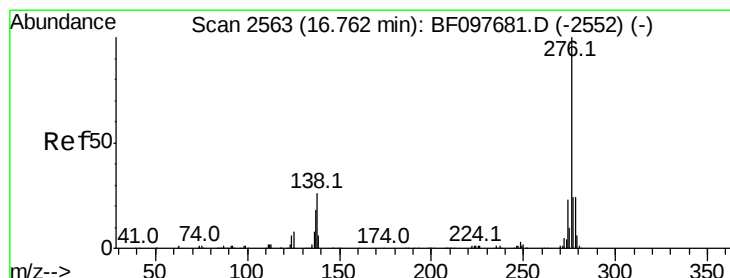
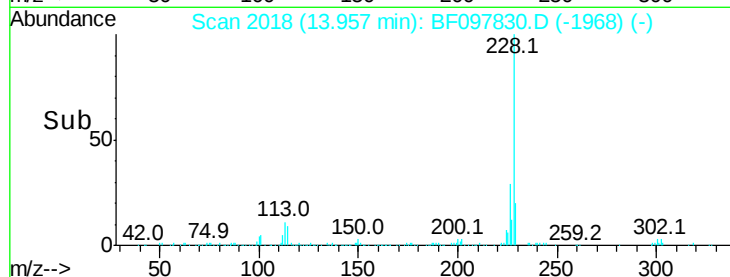


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

13.96

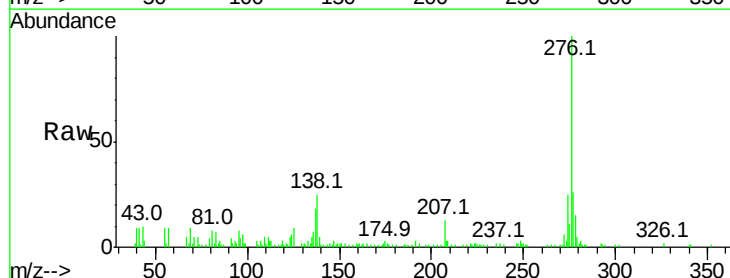


Time-->



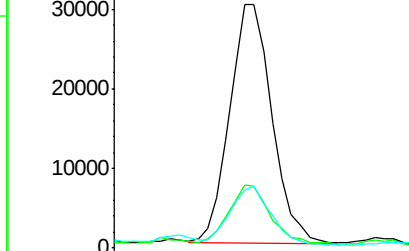
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.014 ng
RT: 16.76 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF097830.D
Acq: 18 Aug 2017 12:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	27.8	41.6#
277	25.1	20.2	30.4

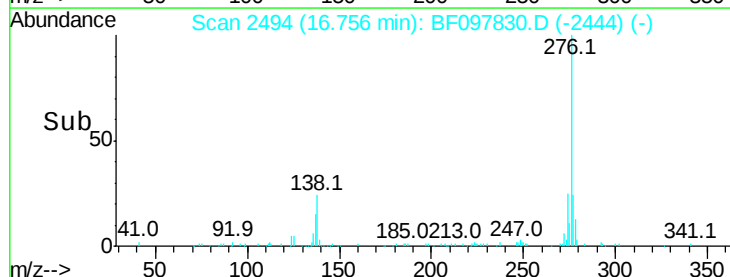


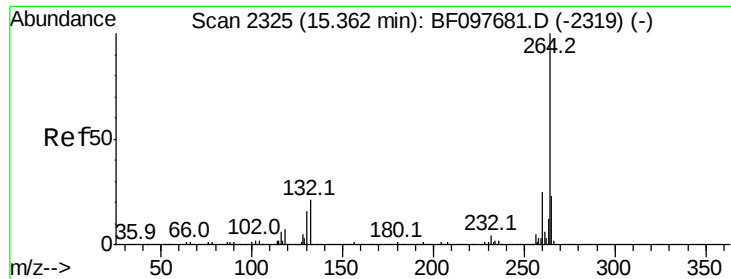
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

16.76



Time-->





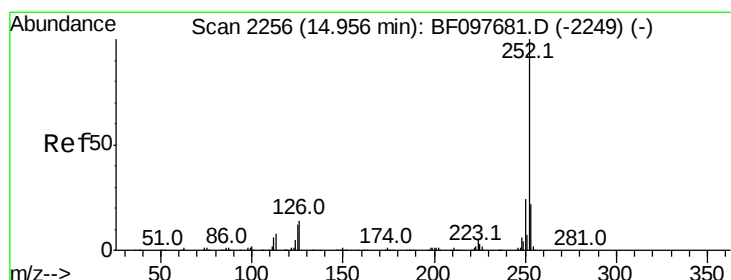
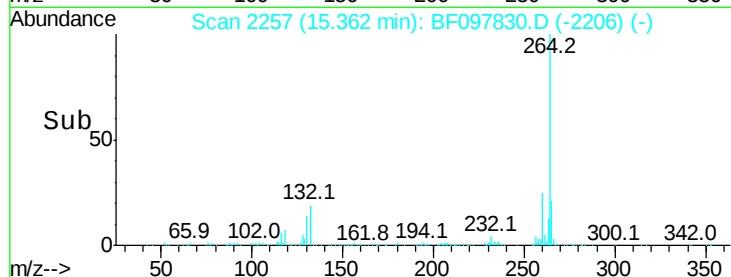
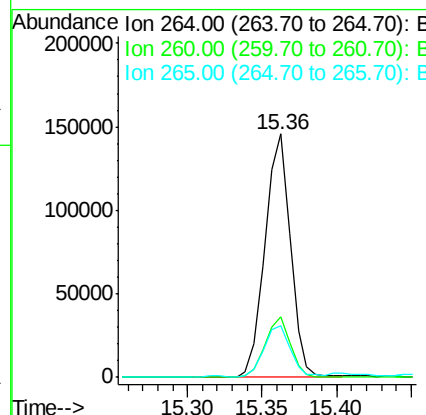
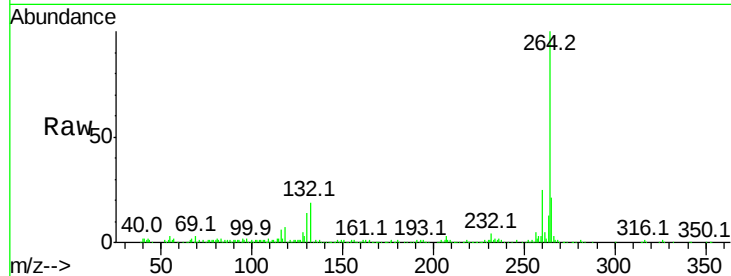
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097830.D
Acq: 18 Aug 2017 12:35

Instrument :
BNA_F
ClientSampleId :
E2-H8-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	21.2	17.2	25.8

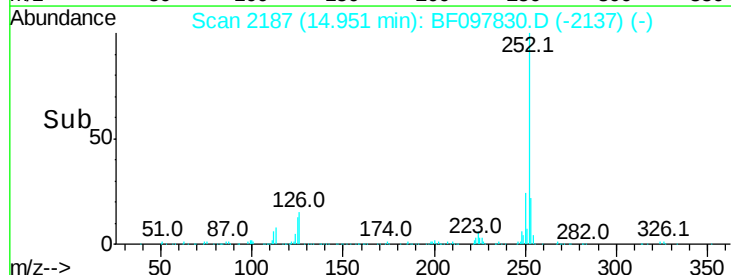
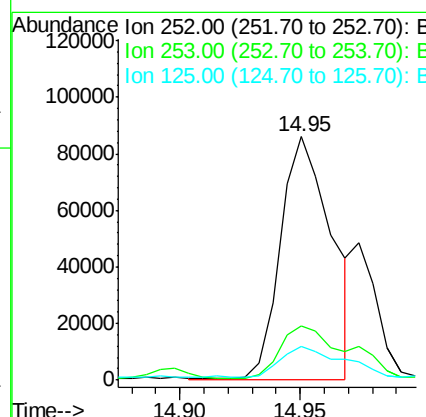
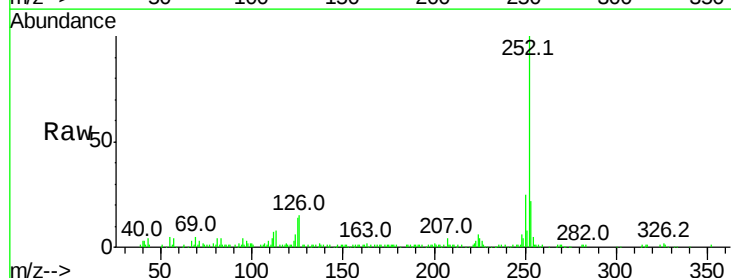
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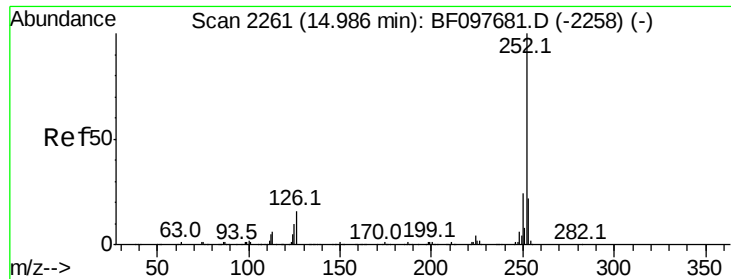
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#87
Benzo(b)fluoranthene
Concen: 11.632 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097830.D
Acq: 18 Aug 2017 12:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	13.9	9.8	14.8





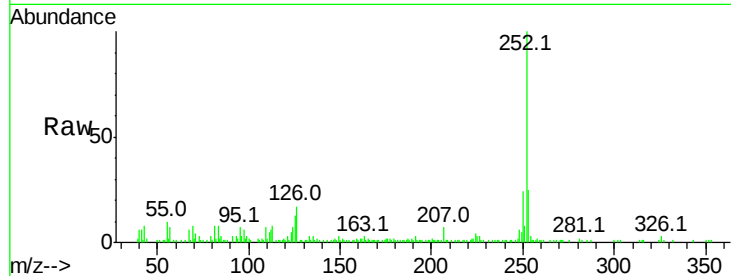
#88
Benzo(k)fluoranthene
Concen: 3.477 ng/mL
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF097830.D
Acq: 18 Aug 2017 12:35

Instrument :
BNA_F
ClientSampleId :
E2-H8-BASE

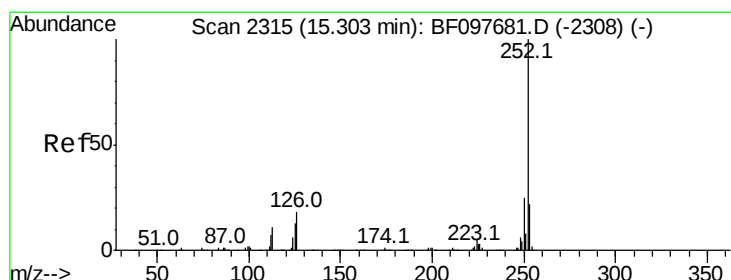
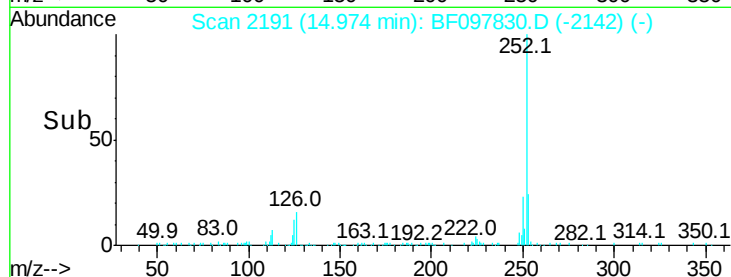
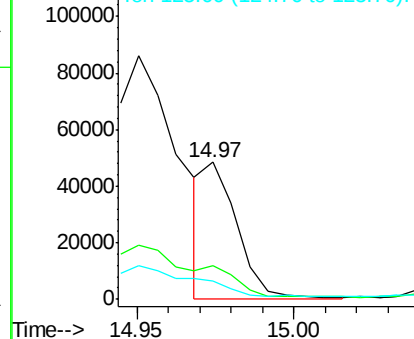
Tot Ion:	252	Resp:	35413
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.4	27.6
125	13.4	13.1	19.7

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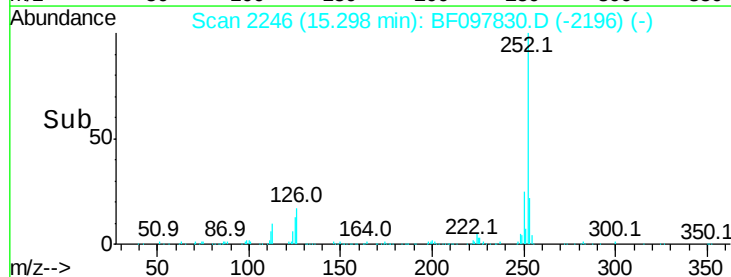
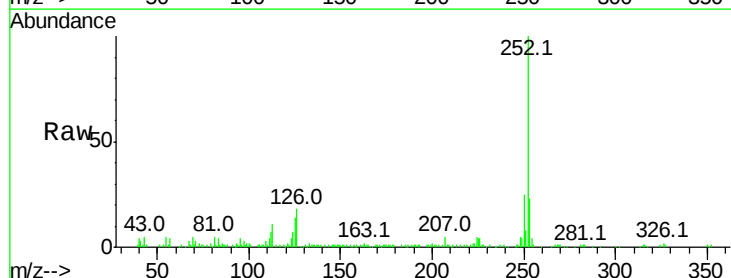
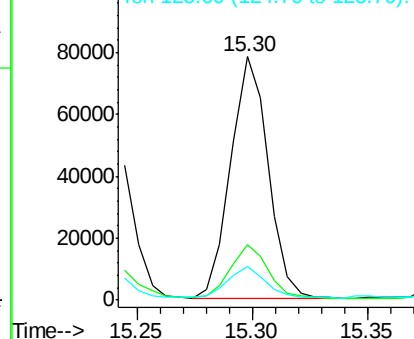
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

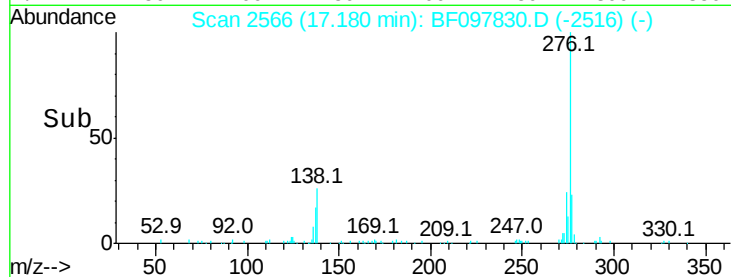
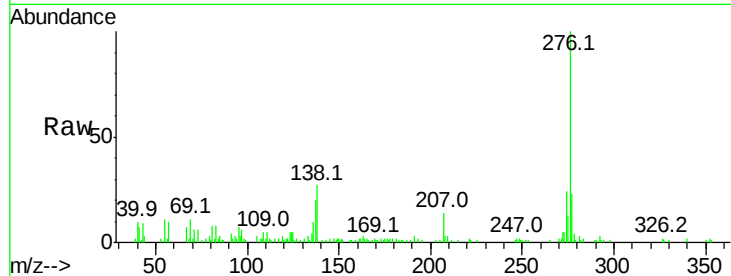
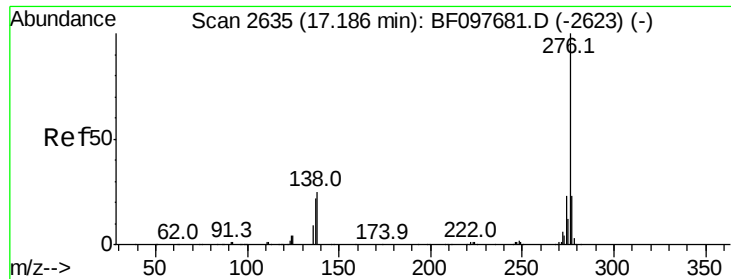


#89
Benzo(a)pyrene
Concen: 9.271 ng/mL
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097830.D
Acq: 18 Aug 2017 12:35

Tgt Ion:	252	Resp:	88958
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.5	26.3
125	13.8	11.0	16.4

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





#91

Benzo(a,h,i)perylene

Concen: 7.006 ng

RT: 17.18 min Scan# 2566

Delta R.T. -0.01 min

Lab File: BF097830.D

Acq: 18 Aug 2017 12:35

Instrument :

BNA_F

ClientSampleId :

E2-H8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
276	100	57110		
277	22.6		18.6	28.0
138	27.3		25.4	38.0

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