

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
 Data File : BF097412.D
 Acq On : 5 Aug 2017 22:11
 Operator : SJ/JU
 Sample : I4614-02 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-WSW

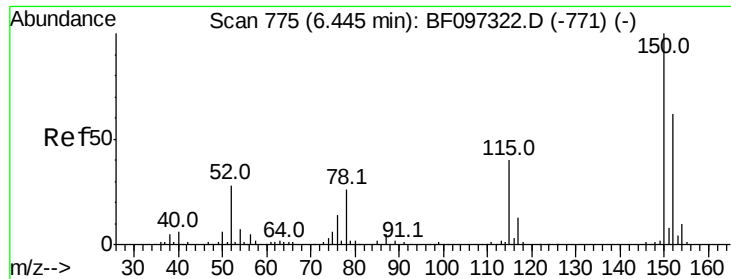
Manual Integrations
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 8/7/2017 6:01:02 PM

Quant Time: Aug 06 05:14:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.43	152	152431	20.00	ng	-0.07
21) Naphthalene-d8	7.71	136	540163	20.00	ng	-0.08
38) Acenaphthene-d10	9.45	164	214685	20.00	ng	-0.08
63) Phenanthrene-d10	10.93	188	309973	20.00	ng	-0.08
75) Chrysene-d12	13.55	240	279876	20.00	ng	-0.08
86) Perylene-d12	14.89	264	203161	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	319611	31.61	ng	-0.08
7) Phenol-d6	6.10	99	366013	31.71	ng	-0.07
23) Nitrobenzene-d5	6.99	82	195392	21.22	ng	-0.08
41) 2,4,6-Tribromophenol	10.24	330	46451	27.39	ng	-0.08
44) 2-Fluorobiphenyl	8.79	172	227795	18.01	ng	-0.08
78) Terphenyl-d14	12.50	244	180789	13.17	ng	-0.08
Target Compounds						Qvalue
14) 1,2-Dichlorobenzene	6.59	146	22111	2.193	ng	95
48) Acenaphthylene	9.32	152	106137	5.124	ng	97
49) Dimethylphthalate	9.19	163	39228	2.406	ng	99
70) Phenanthrene	10.95	178	44709	2.692	ng	96
71) Anthracene	11.00	178	37776	2.221	ng	98
74) Fluoranthene	12.13	202	76901	4.726	ng	98
77) Pyrene	12.35	202	135236	5.902	ng	99
80) Benzo(a)anthracene	13.54	228	43204m	2.386	ng	
82) Chrysene	13.57	228	43956	2.486	ng	95
85) Indeno(1,2,3-cd)pyrene	16.09	276	46171	3.045	ng	95
87) Benzo(b)fluoranthene	14.54	252	66518m	5.447	ng	
89) Benzo(a)pyrene	14.84	252	55463	4.962	ng	95
91) Benzo(a,h,i)perylene	16.44	276	87579	9.112	ng	98

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



#1

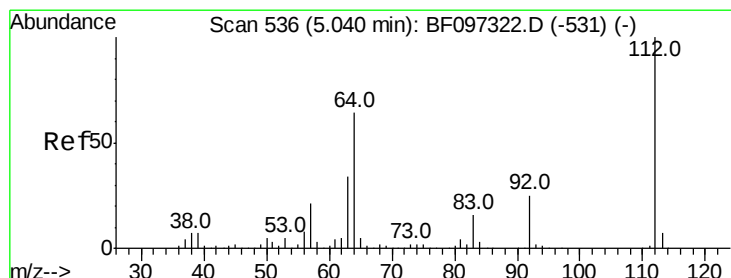
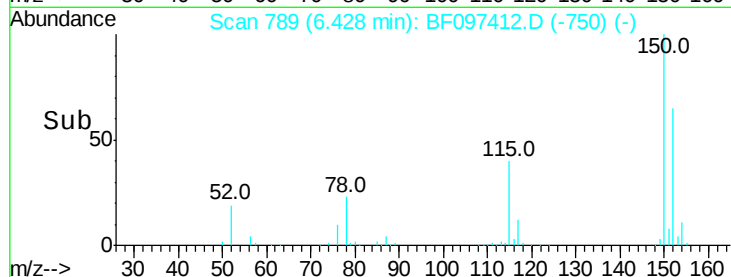
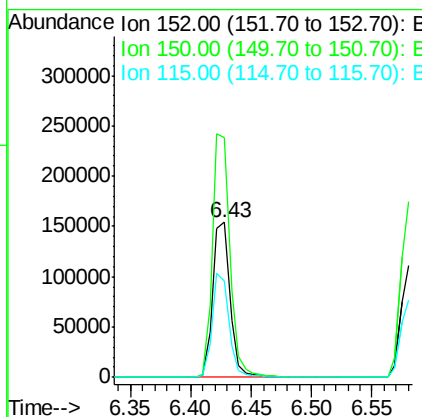
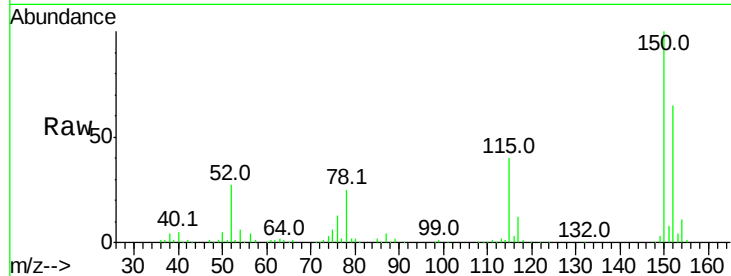
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.43 min Scan# 789
Delta R.T. -0.07 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :
E2-N10-WSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	126.2	189.2
115	61.8	52.2	78.2

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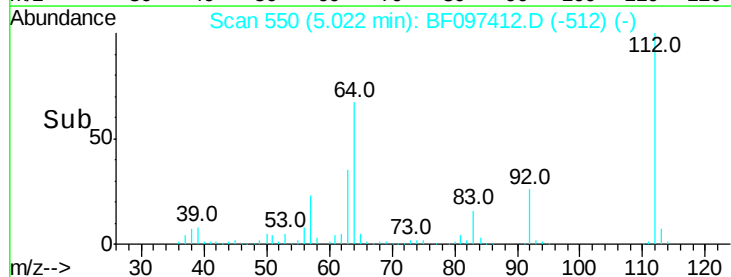
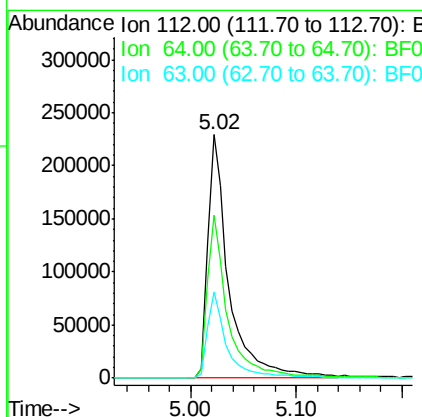
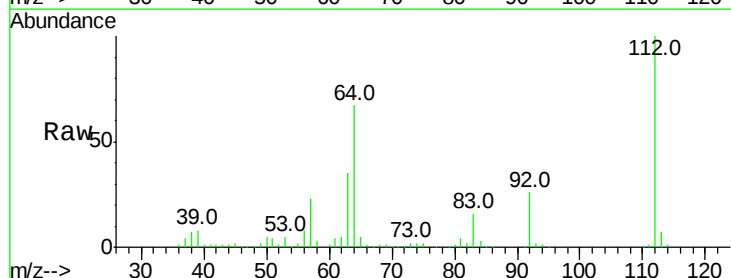
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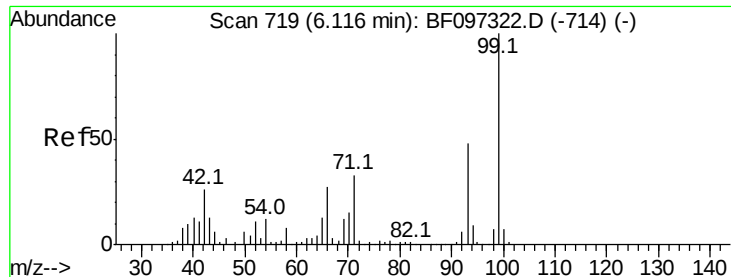


#5

2-Fluorophenol
Concen: 31.608 ng
RT: 5.02 min Scan# 550
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	46.0	69.0
63	35.4	23.4	35.0





#7

Phenol-d6

Concen: 31.707 ng

RT: 6.10 min Scan# 733

Delta R.T. -0.07 min

Lab File: BF097412.D

Acq: 5 Aug 2017 22:11

Instrument :

BNA_F

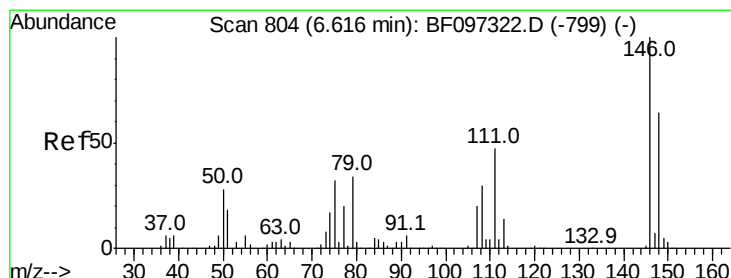
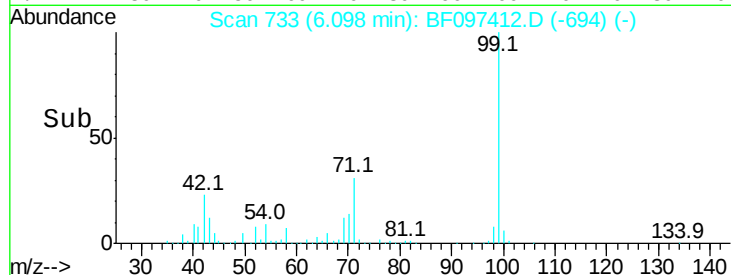
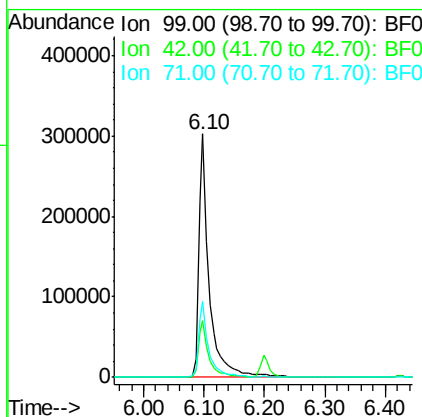
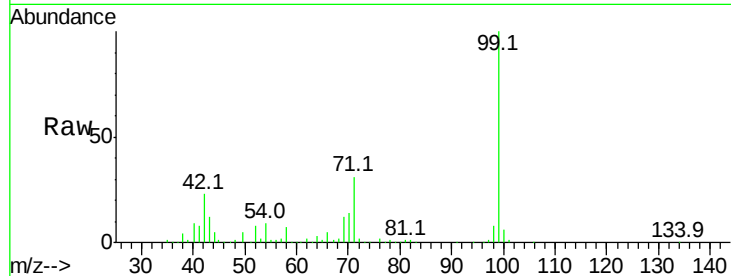
ClientSampleId :

E2-N10-WSW

Tot Ion:	99	Resp:	366013
Ion Ratio	Lower	Upper	
99	100		
42	23.1	13.5	20.3#
71	31.0	24.5	36.7

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#14

1,2-Dichlorobenzene

Concen: 2.193 ng

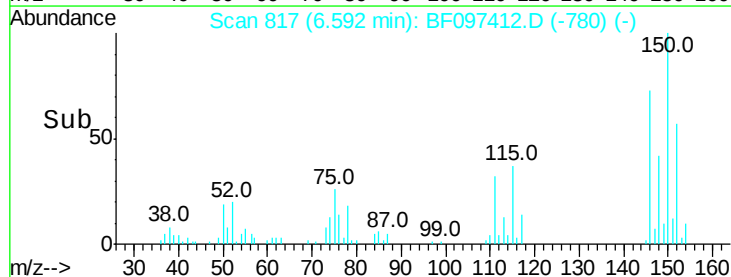
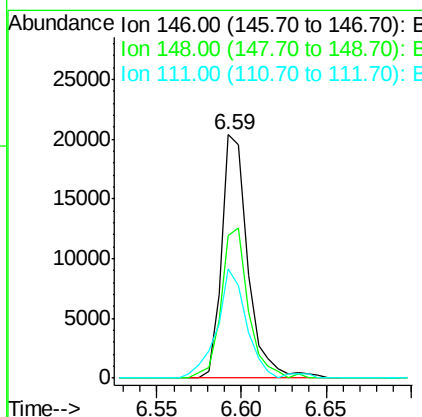
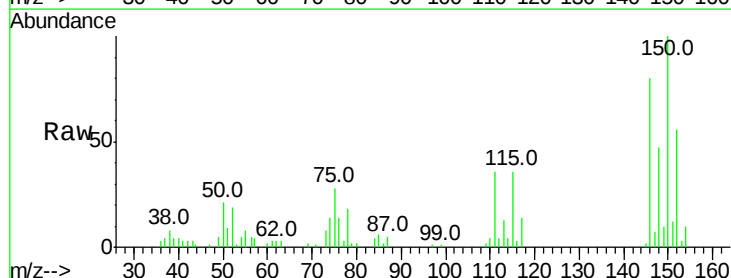
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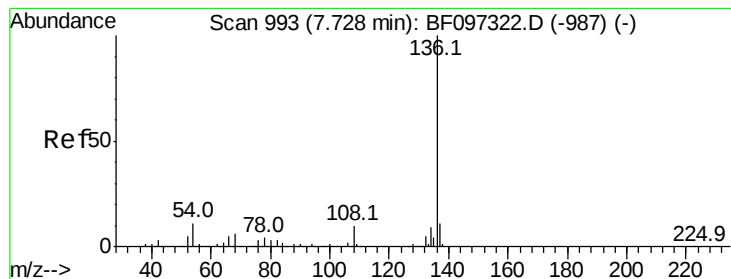
Delta R.T. -0.08 min

Lab File: BF097412.D

Acq: 5 Aug 2017 22:11

Tgt Ion:	146	Resp:	22111
Ion Ratio	Lower	Upper	
146	100		
148	58.5	50.4	75.6
111	44.9	38.2	57.4





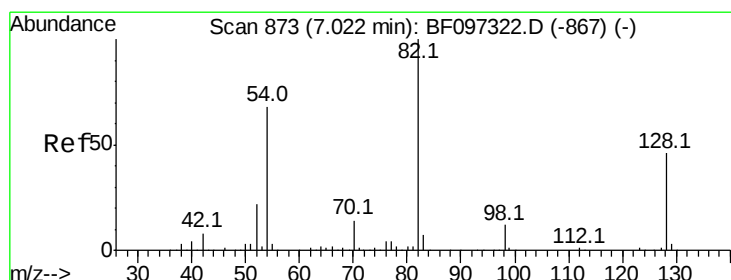
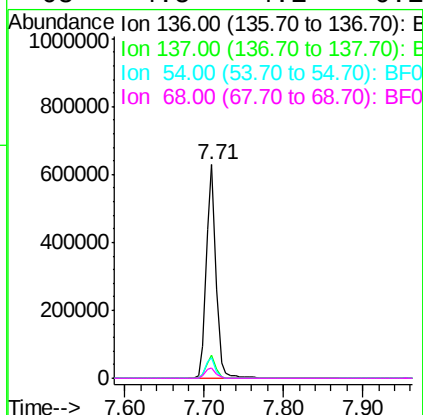
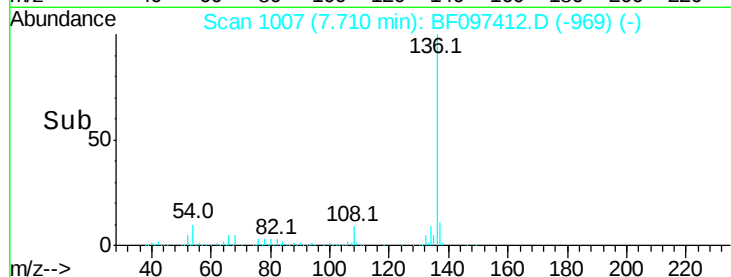
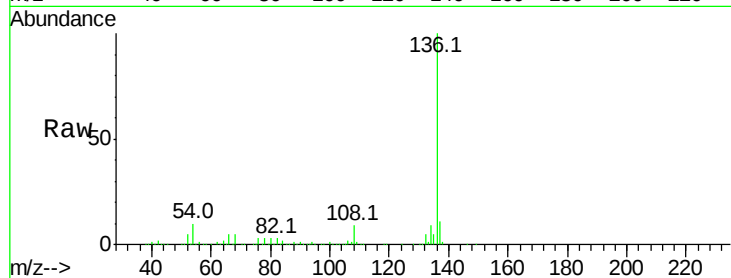
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.71 min Scan# 1007
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :
E2-N10-WSW

Tot Ion	Ratio	Resp	Lower	Upper
136	100	540163		
137	10.8	8.5	12.7	
54	9.7	4.9	7.3	
68	4.5	4.1	6.1	

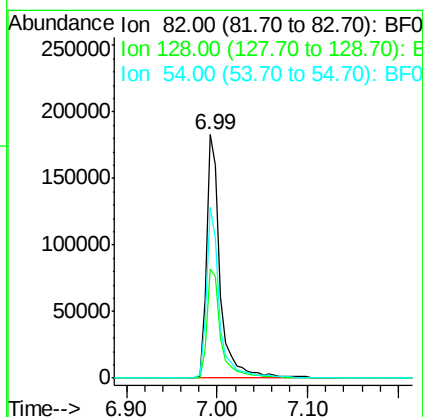
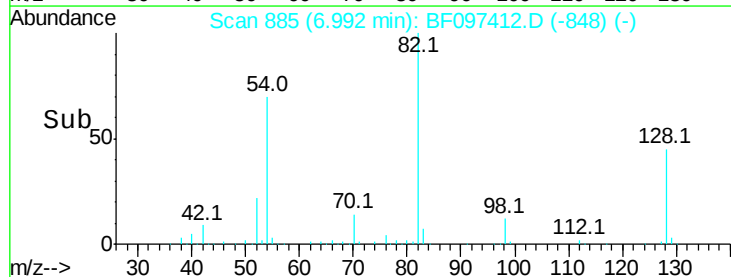
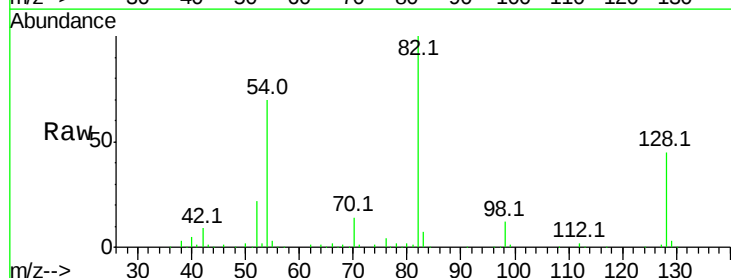
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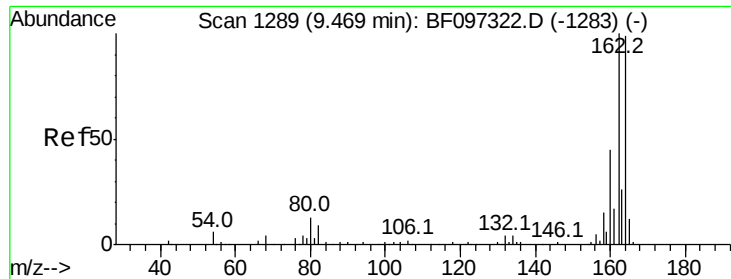
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#23
Nitrobenzene-d5
Concen: 21.220 ng
RT: 6.99 min Scan# 885
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	195392		
128	44.9	34.0	51.0	
54	69.8	42.2	63.2	





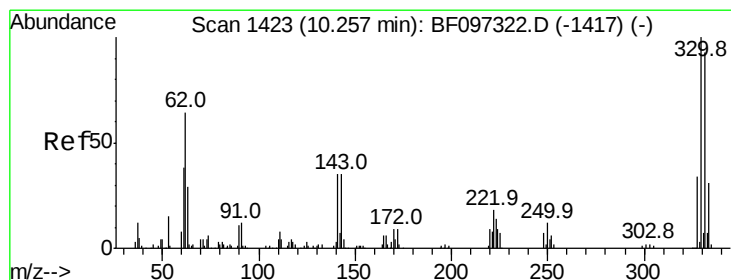
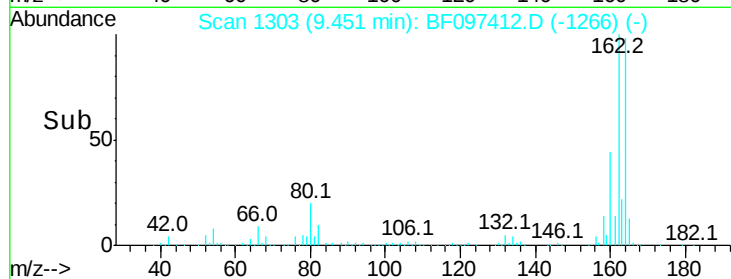
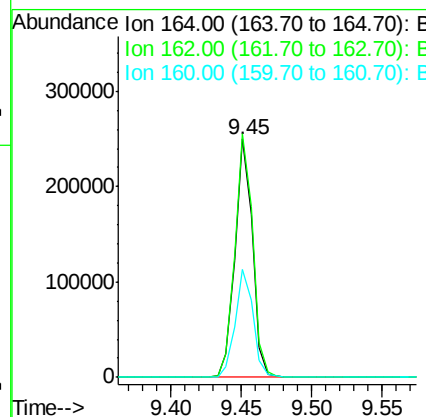
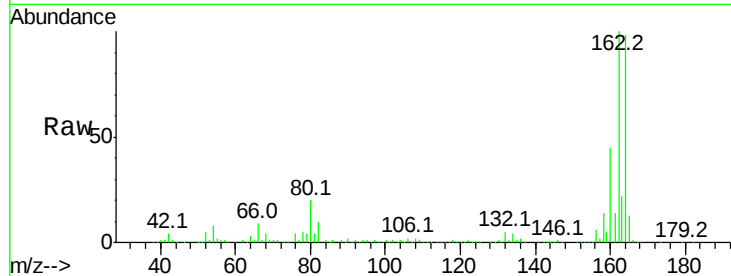
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.45 min Scan# 1303
 Delta R.T. -0.08 min
 Lab File: BF097412.D
 Acq: 5 Aug 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-WSW

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.3	82.6	123.8	
160	45.6	36.2	54.2	

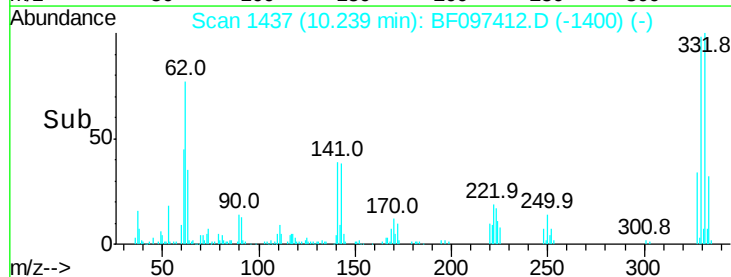
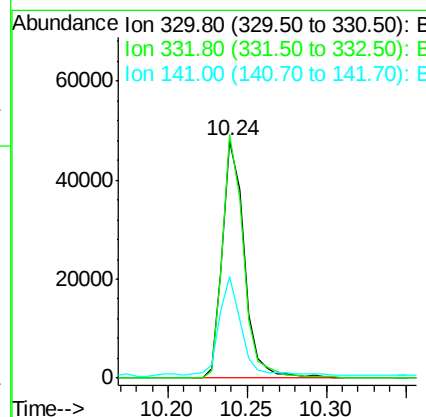
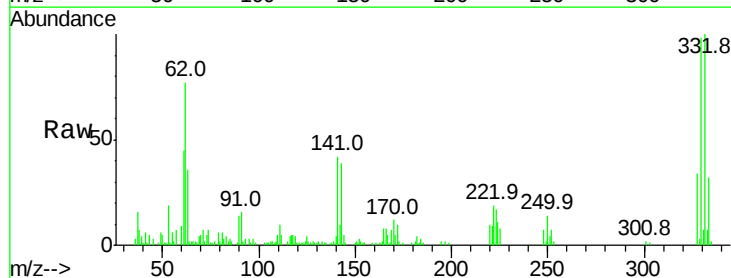
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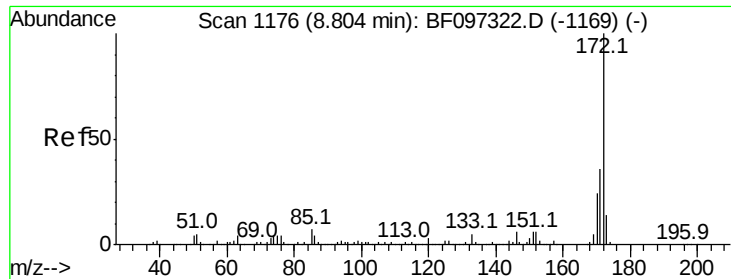
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#41
 2,4,6-Tribromophenol
 Concen: 27.385 ng
 RT: 10.24 min Scan# 1437
 Delta R.T. -0.08 min
 Lab File: BF097412.D
 Acq: 5 Aug 2017 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.2	76.6	115.0	
141	39.7	31.4	47.2	





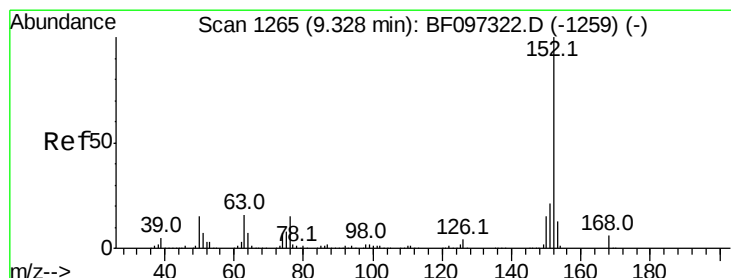
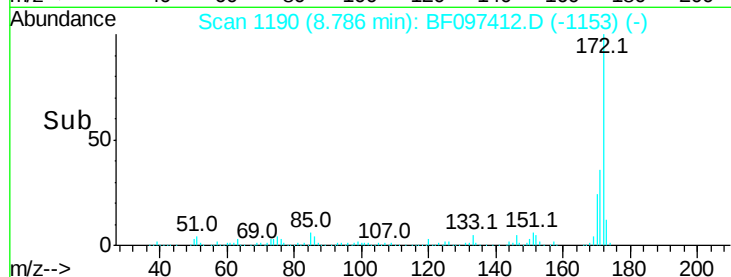
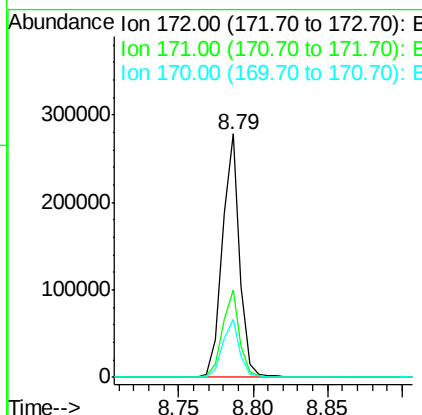
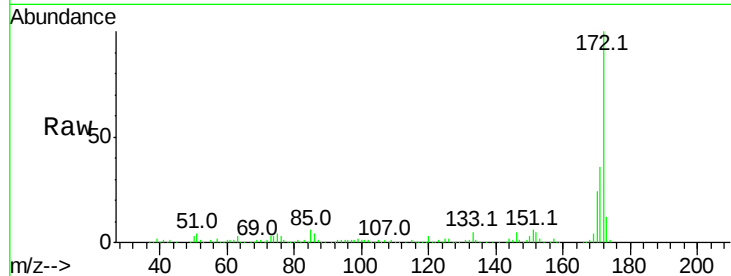
#44
 2-Fluorobiphenyl
 Concen: 18.007 ng
 RT: 8.79 min Scan# 1190
 Delta R.T. -0.08 min
 Lab File: BF097412.D
 Acq: 5 Aug 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-WSW

Tot Ion	Ratio	Resp	Lower	Upper
172	100	227795		
171	36.0		29.6	44.4
170	23.7		19.8	29.8

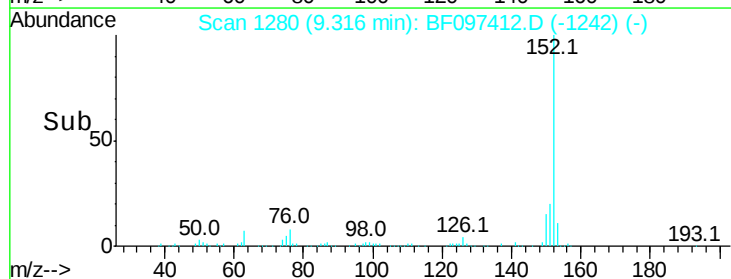
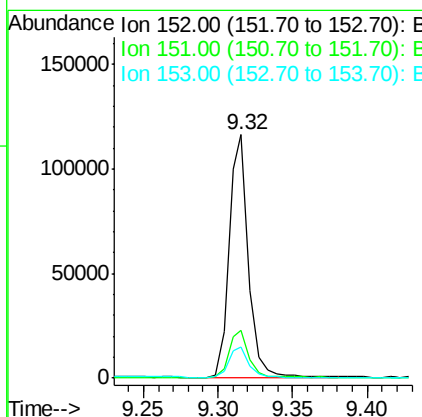
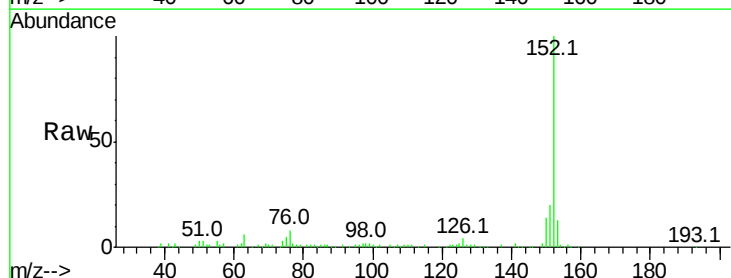
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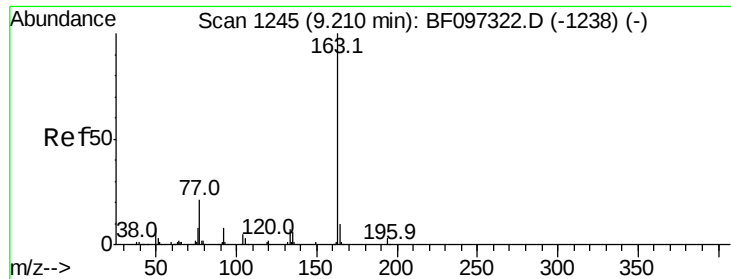
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#48
 Acenaphthylene
 Concen: 5.124 ng
 RT: 9.32 min Scan# 1280
 Delta R.T. -0.08 min
 Lab File: BF097412.D
 Acq: 5 Aug 2017 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	106137		
151	19.6		16.8	25.2
153	12.7		10.8	16.2





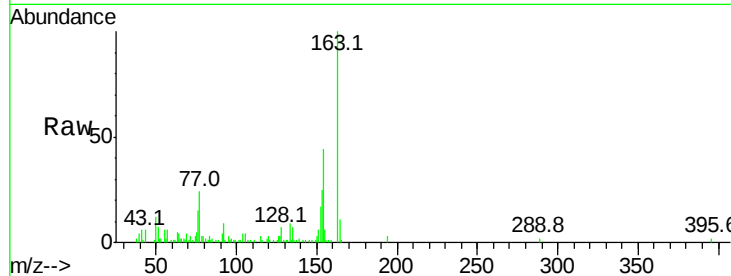
#49
Dimethylphthalate
Concen: 2.406 ng
RT: 9.19 min Scan# 1258
Delta R.T. -0.09 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :
E2-N10-WSW

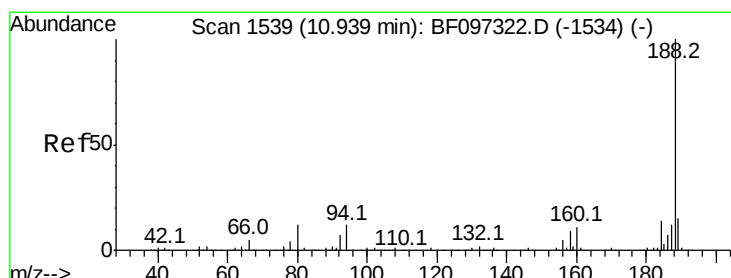
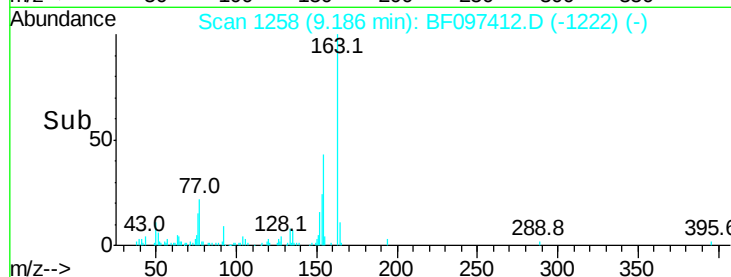
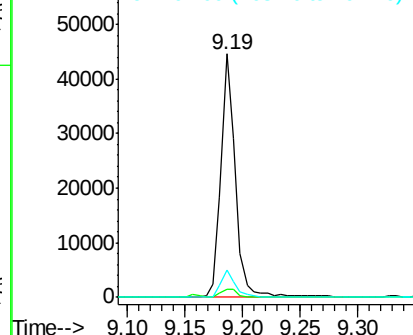
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.6	4.0	
164	11.0	8.4	12.6	

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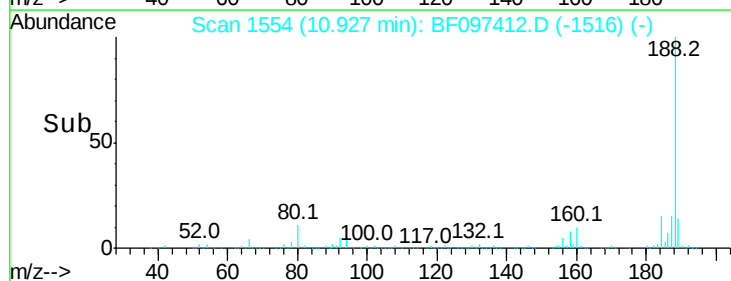
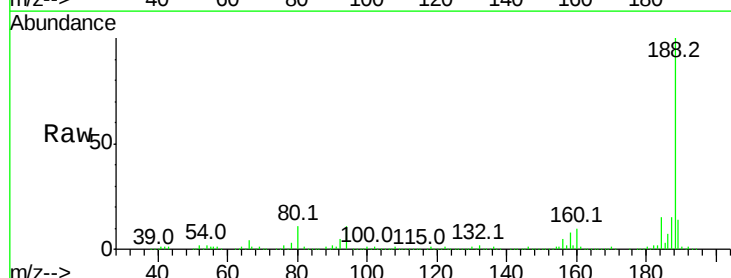
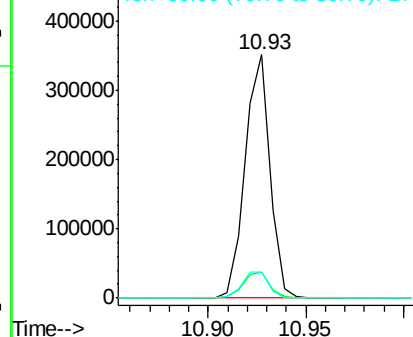
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Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

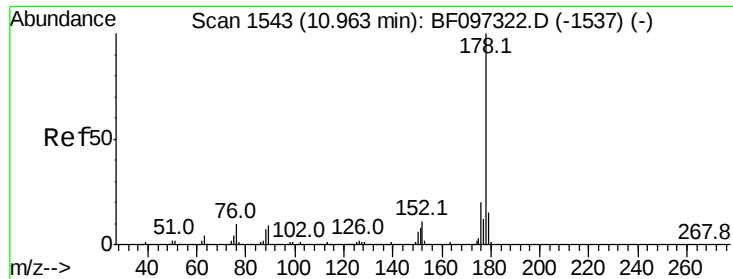


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.93 min Scan# 1554
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.9	9.4	14.2	
80	10.7	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





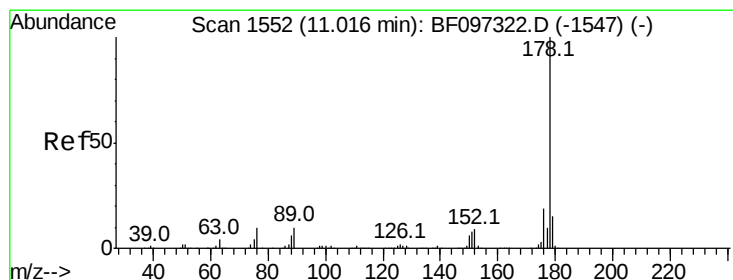
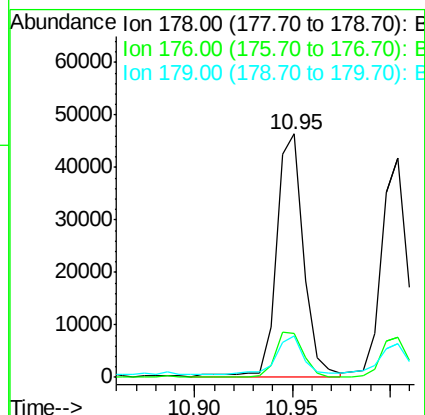
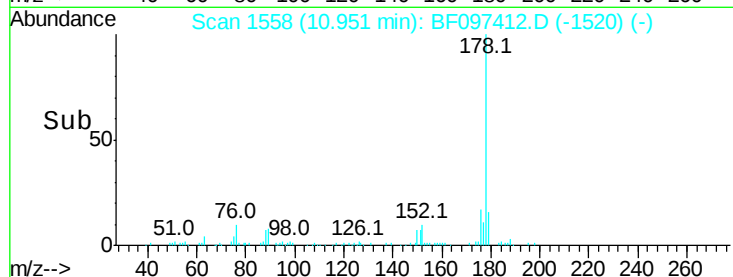
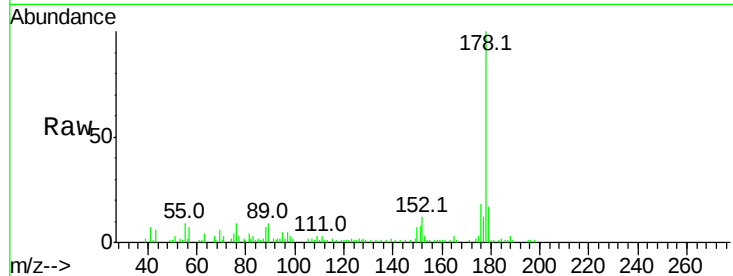
#70
Phenanthrene
Concen: 2.692 ng
RT: 10.95 min Scan# 1558
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :
E2-N10-WSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	16.2	24.4
179	17.2	12.6	19.0

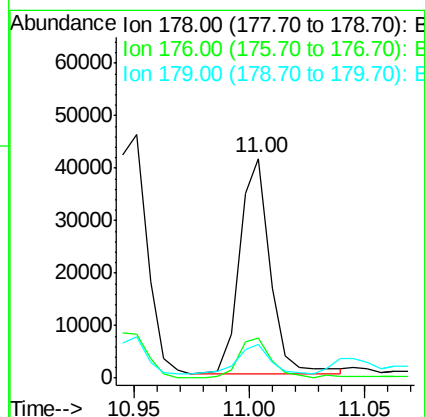
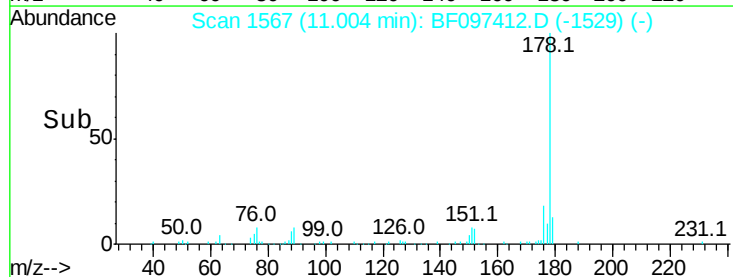
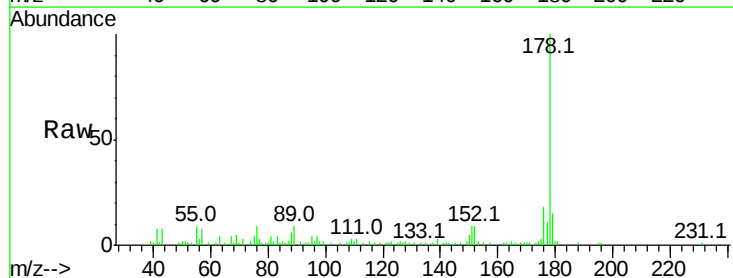
Manual Integrations
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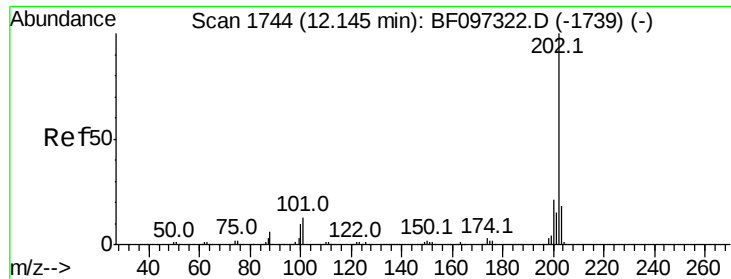
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#71
Anthracene
Concen: 2.221 ng
RT: 11.00 min Scan# 1567
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.3	12.7	19.1





#74

Fluoranthene

Concen: 4.726 ng

RT: 12.13 min Scan# 1758

Delta R.T. -0.08 min

Lab File: BF097412.D

Acq: 5 Aug 2017 22:11

Instrument :

BNA_F

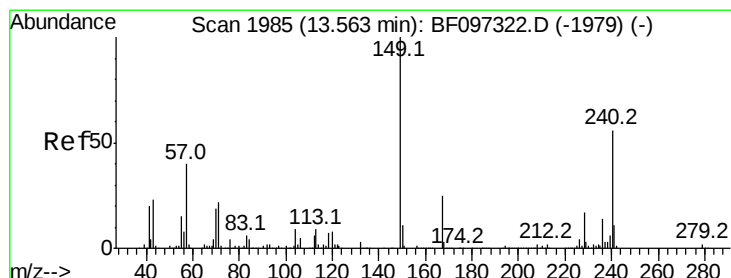
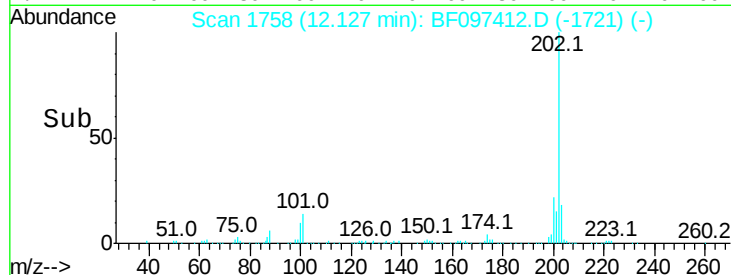
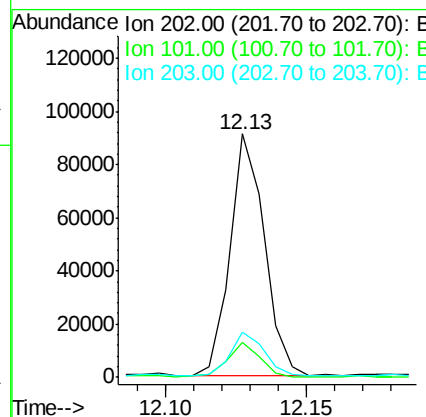
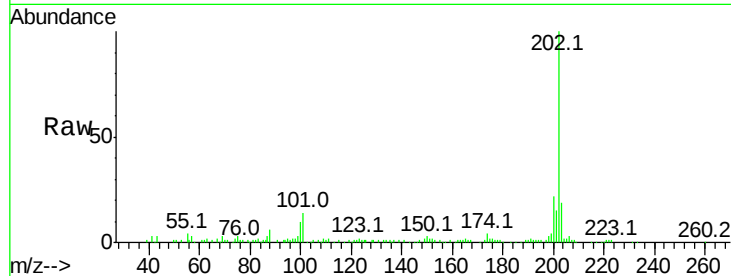
ClientSampleId :

E2-N10-WSW

Tot Ion	Ratio	Resp	Lower	Upper
202	100	76901		
101	14.4	0.0	33.2	
203	18.8	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

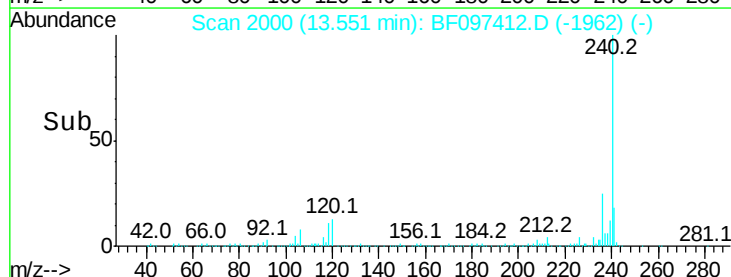
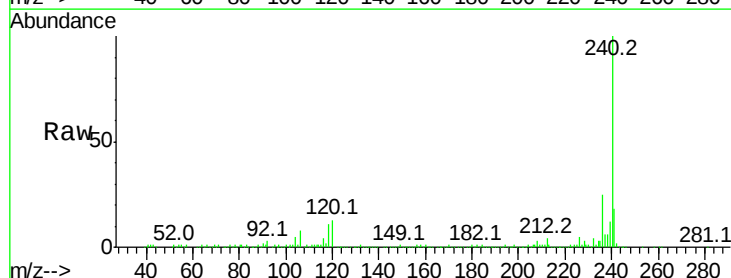
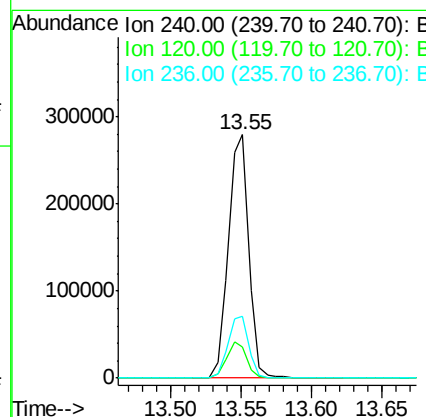
RT: 13.55 min Scan# 2000

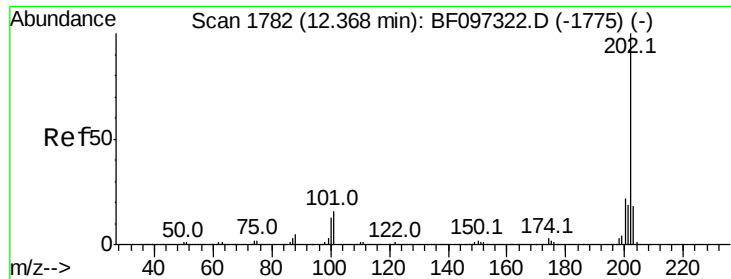
Delta R.T. -0.08 min

Lab File: BF097412.D

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Tgt Ion	Ratio	Resp	Lower	Upper
240	100	279876		
120	12.8	5.8	8.8#	
236	25.3	20.5	30.7	





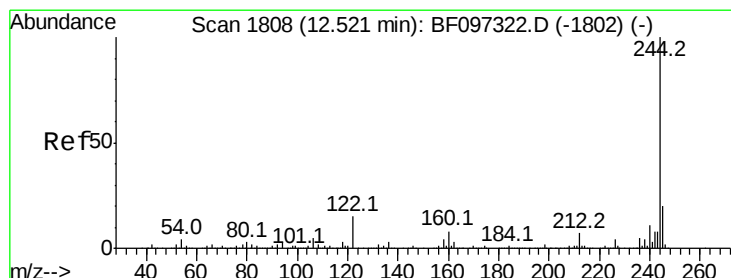
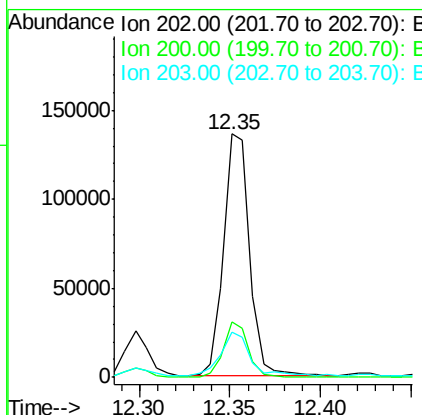
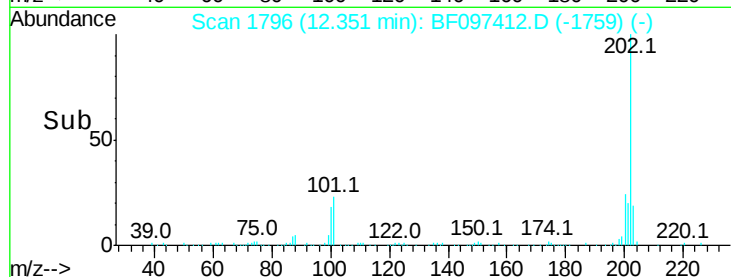
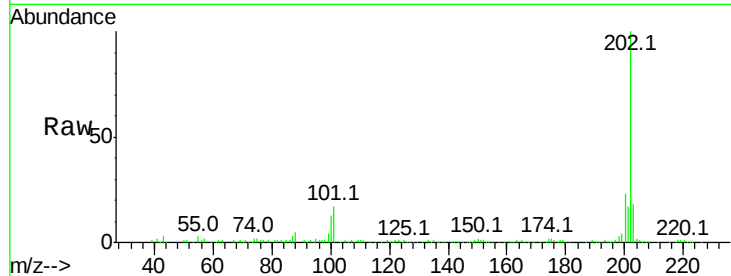
#77
Pvrene
Concen: 5.902 ng
RT: 12.35 min Scan# 1796
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :
E2-N10-WSW

Tot Ion	Ratio	Resp	Lower	Upper
202	100	135236		
200	22.6		17.6	26.4
203	18.3		14.4	21.6

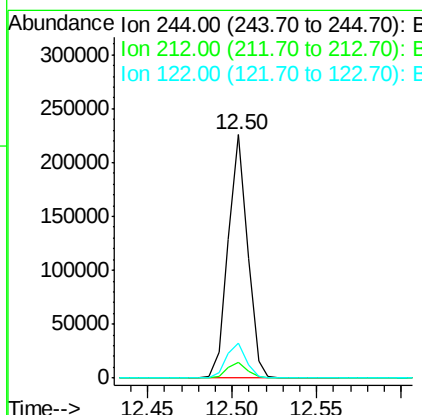
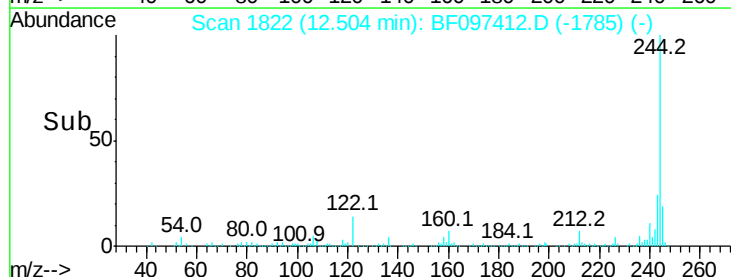
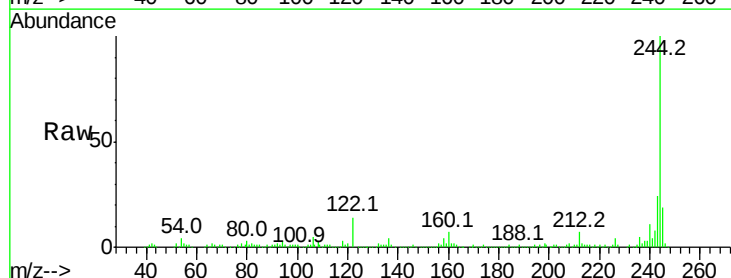
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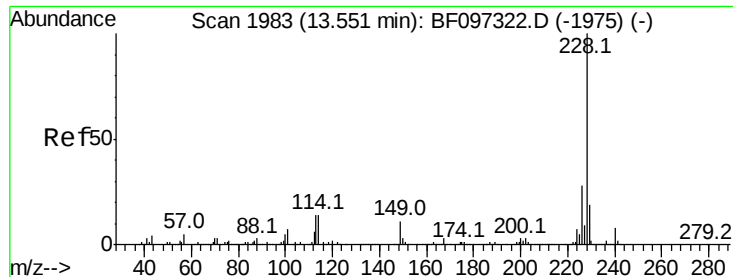
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#78
Terphenyl-d14
Concen: 13.170 ng
RT: 12.50 min Scan# 1822
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	180789		
212	6.7		6.0	9.0
122	14.3		10.3	15.5





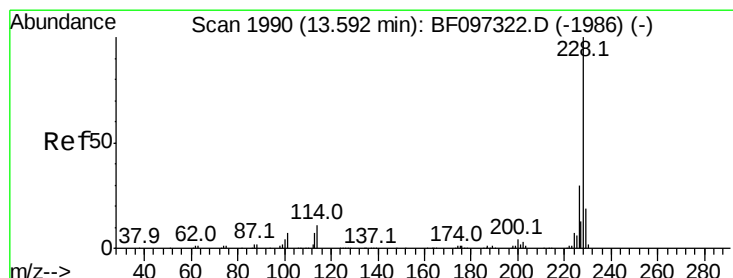
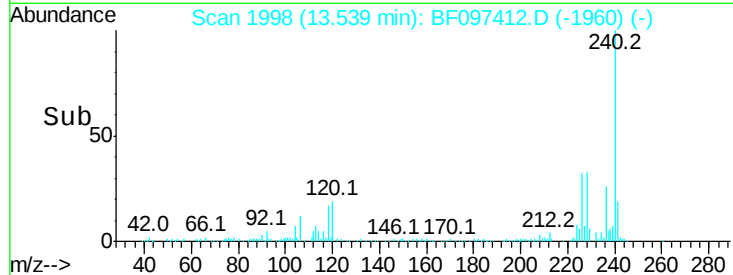
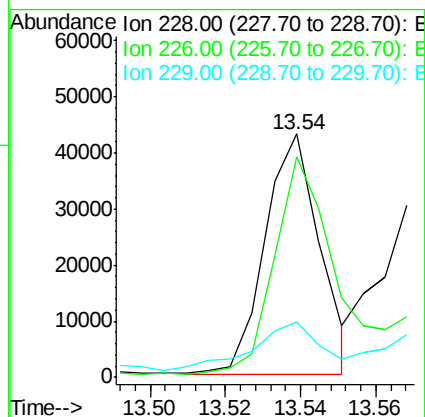
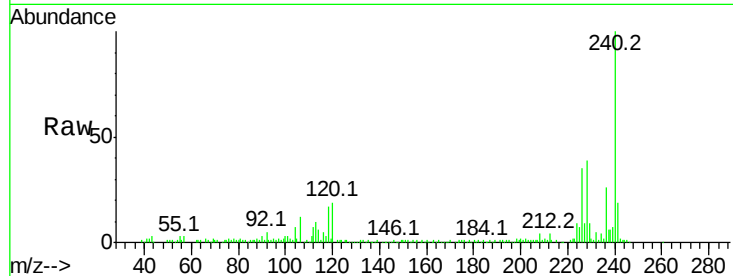
#80
Benzo(a)anthracene
Concen: 2.386 ng m
RT: 13.54 min Scan# 1998
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :
E2-N10-WSW

Tot Ion:228	Resp:	43204
Ion Ratio	Lower	Upper
228 100		
226 90.6	22.6	33.8#
229 22.9	16.3	24.5

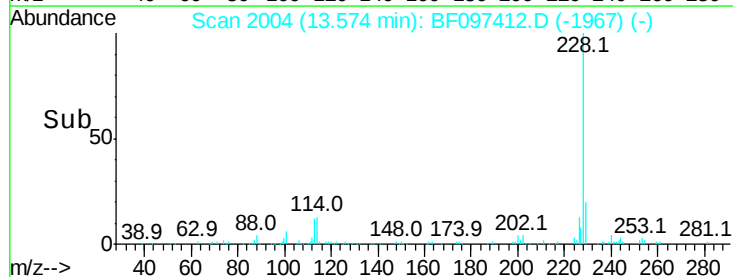
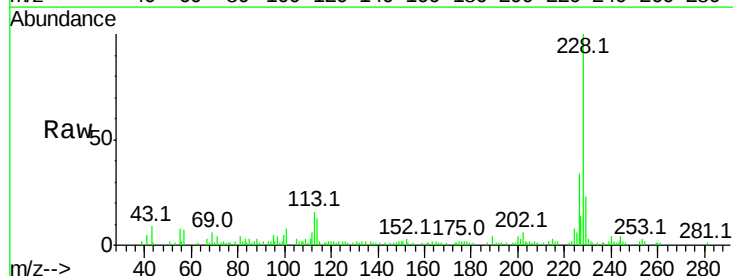
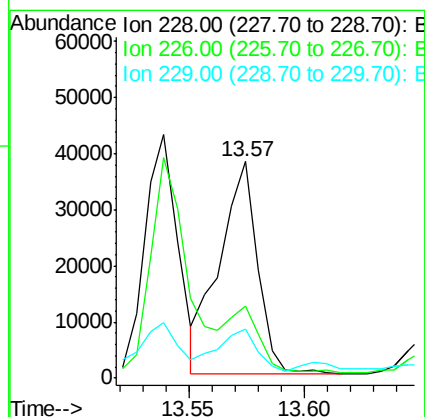
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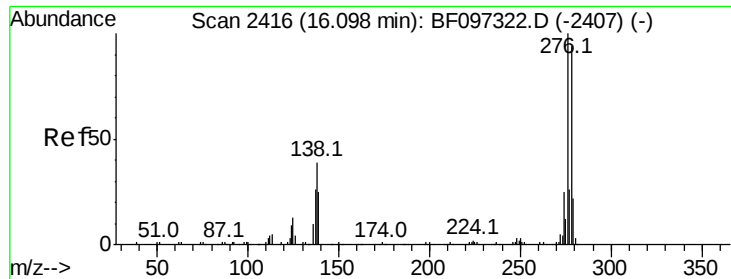
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#82
Chrysene
Concen: 2.486 ng
RT: 13.57 min Scan# 2004
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Tgt Ion:228	Resp:	43956
Ion Ratio	Lower	Upper
228 100		
226 33.5	24.9	37.3
229 22.6	15.8	23.6





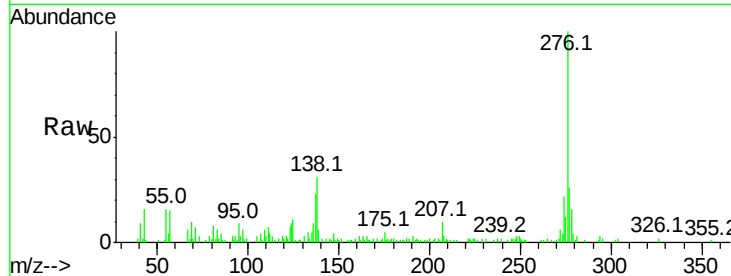
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.045 ng
 RT: 16.09 min Scan# 2431
 Delta R.T. -0.12 min
 Lab File: BF097412.D
 Acq: 5 Aug 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-WSW

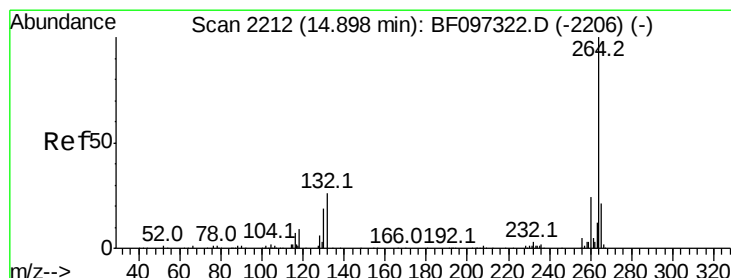
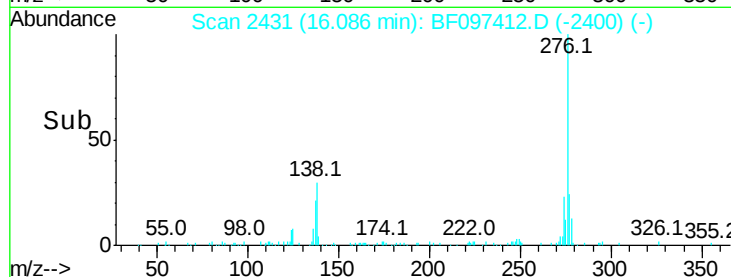
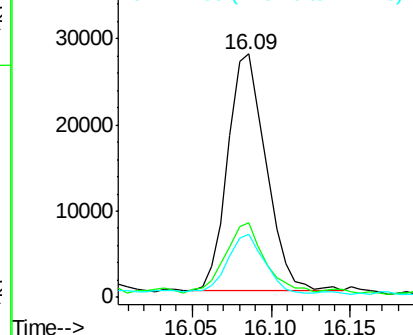
Tot Ion:	276	Resp:	46171
Ion Ratio	Lower	Upper	
276	100		
138	30.9	27.8	41.6
277	24.3	20.2	30.4

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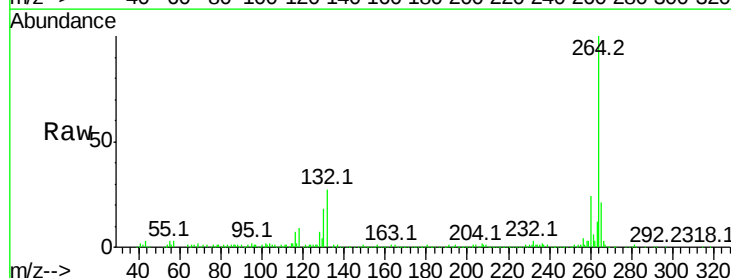


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

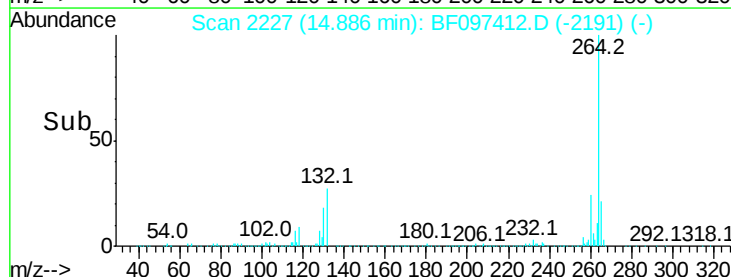
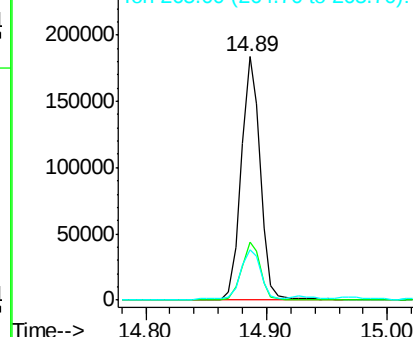


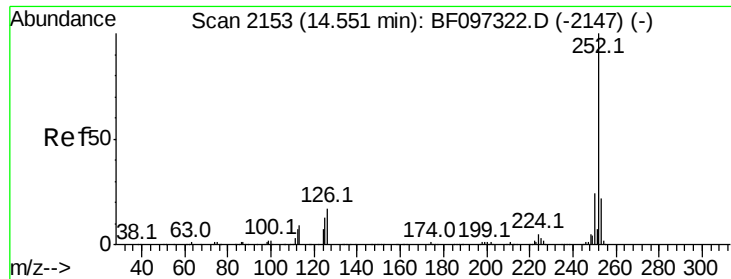
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.89 min Scan# 2227
 Delta R.T. -0.09 min
 Lab File: BF097412.D
 Acq: 5 Aug 2017 22:11

Tgt Ion:	264	Resp:	203161
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.5	29.3
265	20.8	17.2	25.8



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





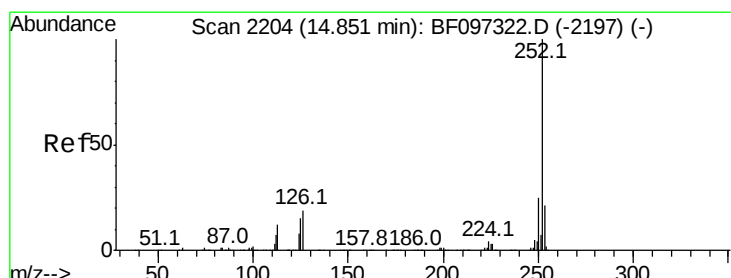
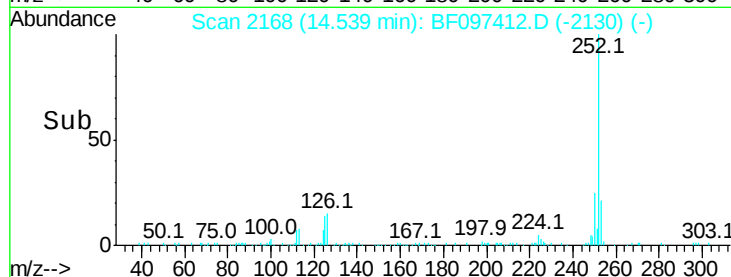
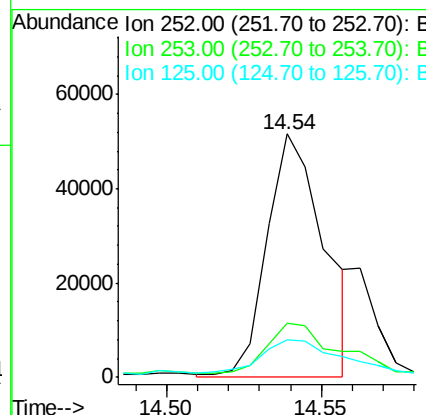
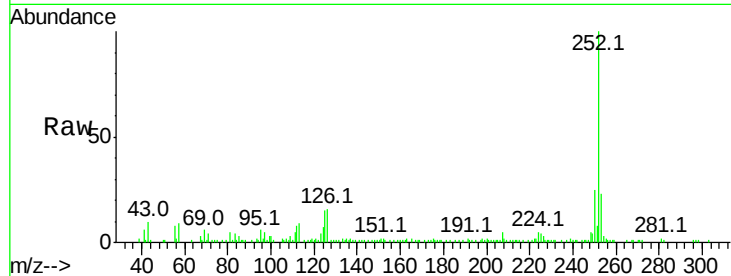
#87
Benzo(b)fluoranthene
Concen: 5.447 ng m
RT: 14.54 min Scan# 2168
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :
E2-N10-WSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	15.3	9.8	14.8

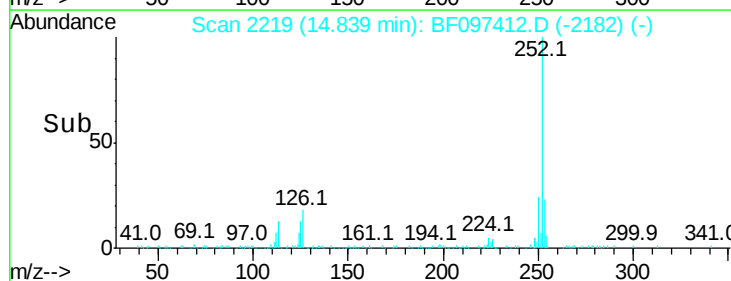
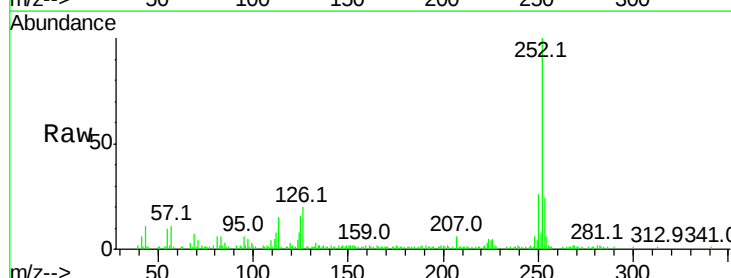
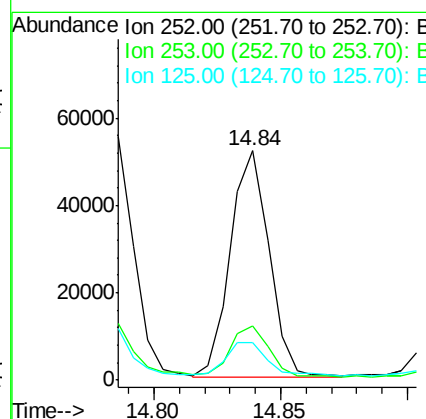
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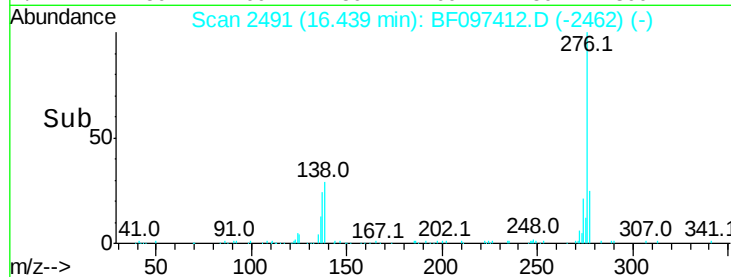
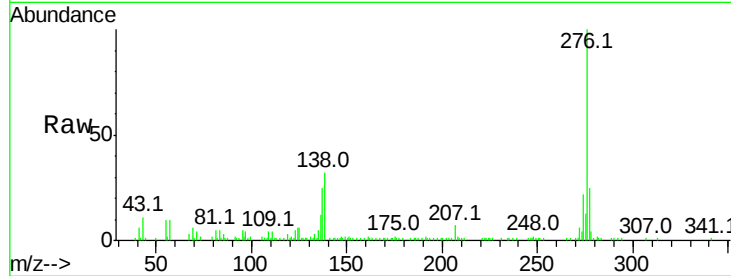
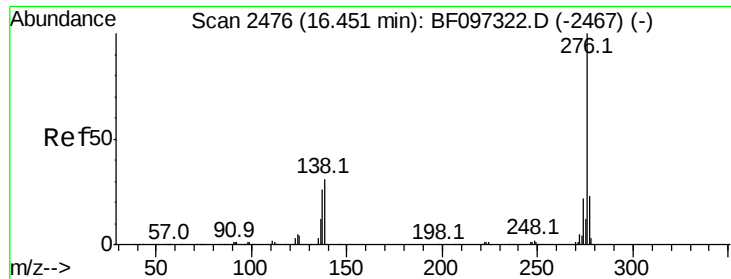
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#89
Benzo(a)pyrene
Concen: 4.962 ng
RT: 14.84 min Scan# 2219
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	16.2	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 9.112 ng

RT: 16.44 min Scan# 2491

Delta R.T. -0.13 min

Lab File: BF097412.D

Acq: 5 Aug 2017 22:11

Instrument :

BNA_F

ClientSampleId :

E2-N10-WSW

Tot Ion:276 Resp: 87579

Ion Ratio Lower Upper

276 100

277 25.4 18.6 28.0

138 31.7 25.4 38.0

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