

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051817\
 Data File : BF095263.D
 Acq On : 19 May 2017 13:42
 Operator : SJ/MA
 Sample : I3186-09
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S4-SSW

Manual Integrations
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 5/19/2017 3:41:03 PM

Quant Time: May 19 15:15:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	94676	20.00	ng	0.00
21) Naphthalene-d8	9.79	136	420142	20.00	ng	0.00
38) Acenaphthene-d10	12.62	164	181273	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	279151	20.00	ng	0.00
75) Chrysene-d12	18.69	240	183529	20.00	ng	0.00
86) Perylene-d12	20.36	264	184397	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	555371	97.80	ng	0.00
7) Phenol-d6	7.31	99	648066	95.11	ng	0.00
23) Nitrobenzene-d5	8.67	82	399028	59.89	ng	0.00
41) 2,4,6-Tribromophenol	13.92	330	128979	86.88	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	775701	61.59	ng	0.00
78) Terphenyl-d14	17.34	244	471658	56.60	ng	-0.01
Target Compounds						
49) Dimethylphthalate	12.26	163	180202	12.11	ng	98
70) Phenanthrene	15.06	178	82503	5.14	ng	97
74) Fluoranthene	16.80	202	159437	9.69	ng	99
77) Pyrene	17.11	202	149041	10.86	ng	96
80) Benzo(a)anthracene	18.68	228	59734	5.59	ng	98
82) Chrysene	18.73	228	63586	6.16	ng	98
85) Indeno(1,2,3-cd)pyrene	21.71	276	37495	4.47	ng	96
87) Benzo(b)fluoranthene	19.97	252	77076m	6.76	ng	
88) Benzo(k)fluoranthene	19.99	252	32023m	2.91	ng	
89) Benzo(a)pyrene	20.31	252	64082	6.09	ng	96
91) Benzo(g,h,i)perylene	22.10	276	40173m	4.71	ng	

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

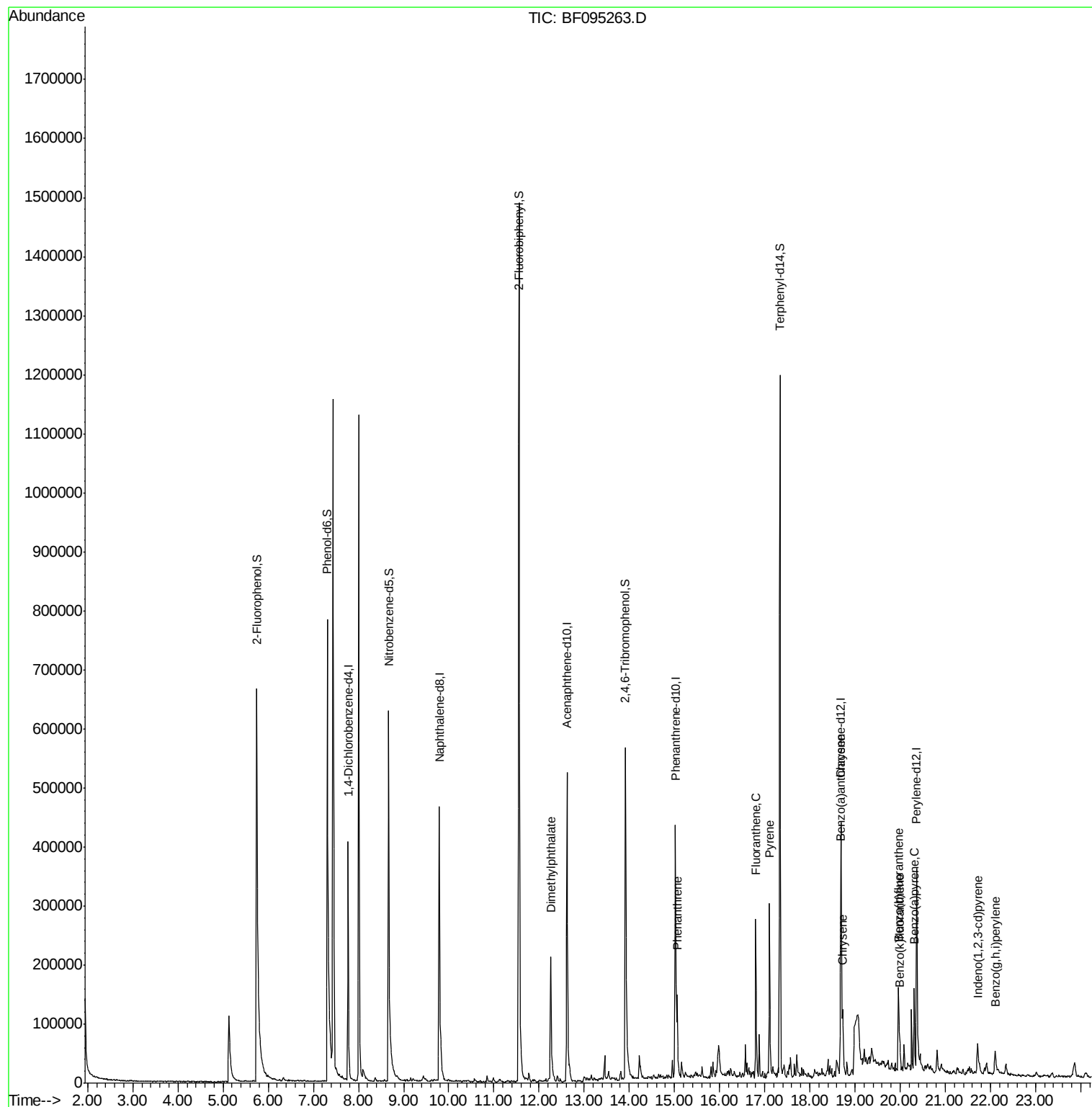
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051817\
Data File : BF095263.D
Acq On : 19 May 2017 13:42
Operator : SJ/MA
Sample : I3186-09
Misc :
ALS Vial : 39 Sample Multiplier: 1

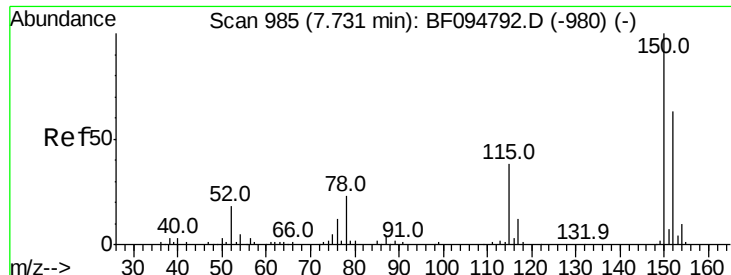
Instrument :
BNA_F
ClientSampleId :
E2-S4-SSW

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#1

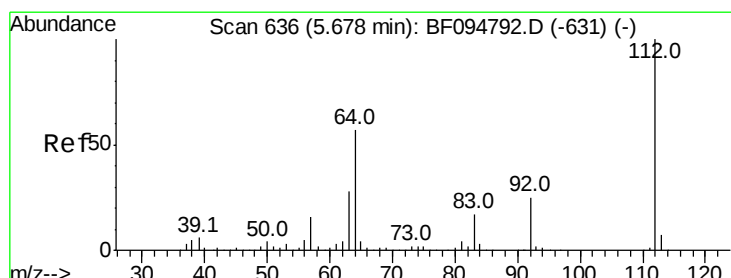
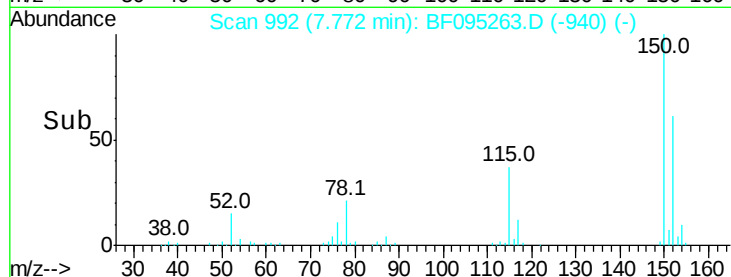
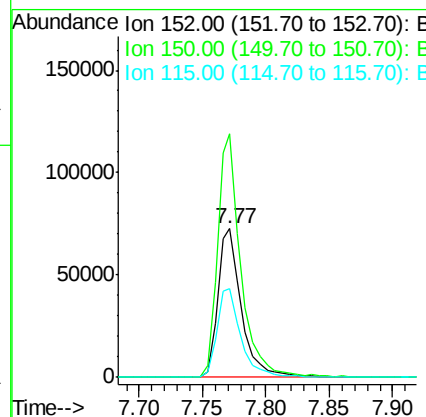
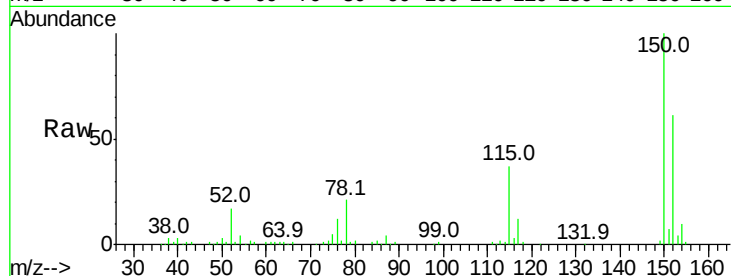
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF095263.D
Acq: 19 May 2017 13:42

Instrument :
BNA_F
ClientSampleId :
E2-S4-SSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.9	126.2	189.2
115	59.9	52.2	78.2

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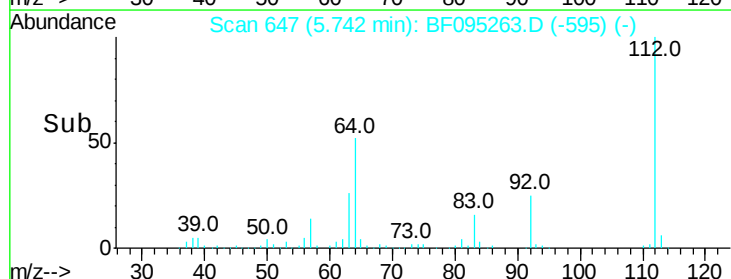
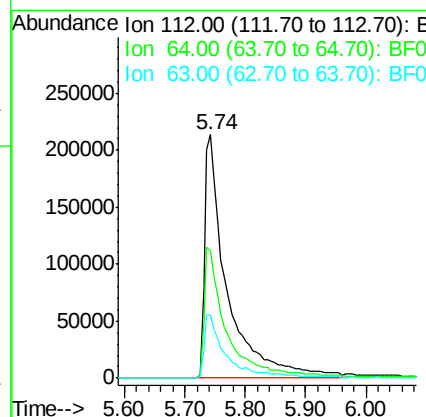
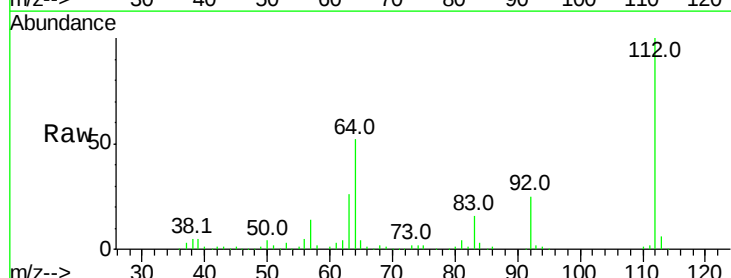
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#5

2-Fluorophenol
Concen: 97.80 ng
RT: 5.74 min Scan# 647
Delta R.T. 0.01 min
Lab File: BF095263.D
Acq: 19 May 2017 13:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	46.0	69.0
63	26.1	23.4	35.0





#7

Phenol-d6

Concen: 95.11 ng

RT: 7.31 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

Instrument :

BNA_F

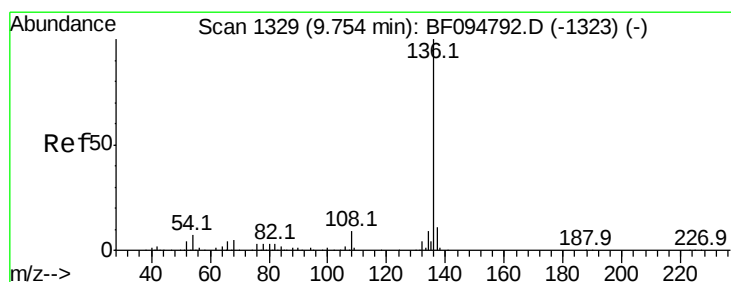
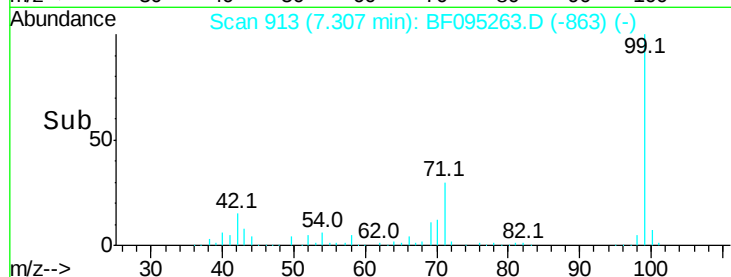
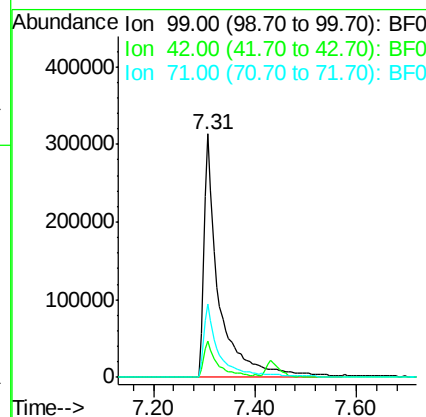
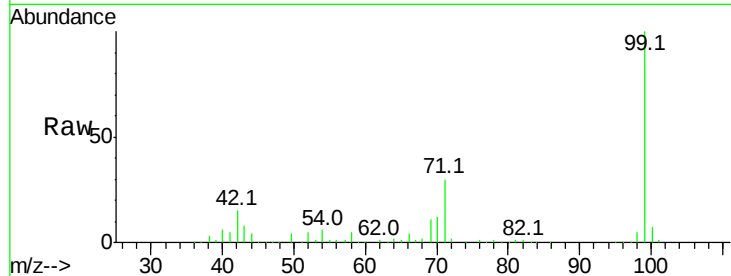
ClientSampleId :

E2-S4-SSW

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		648066		
42	15.0	13.5	20.3		
71	30.1	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

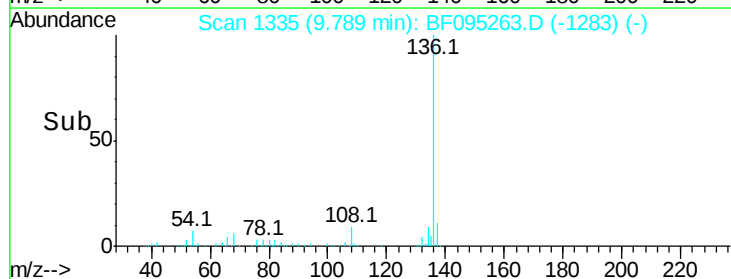
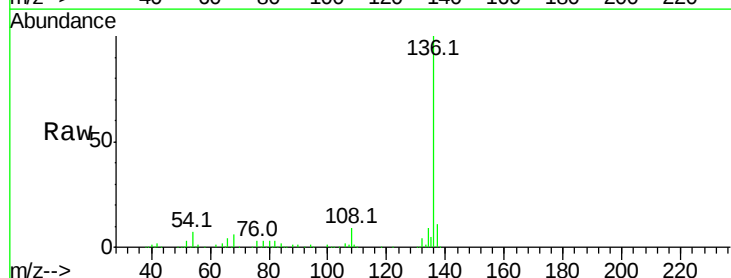
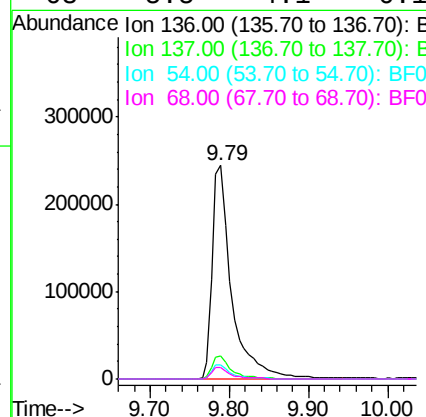
RT: 9.79 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		420142		
137	10.6	8.5	12.7		
54	6.6	4.9	7.3		
68	5.5	4.1	6.1		





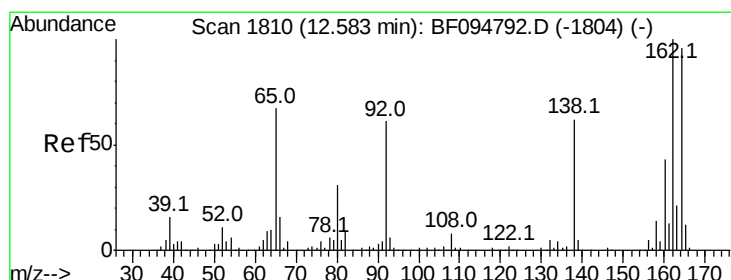
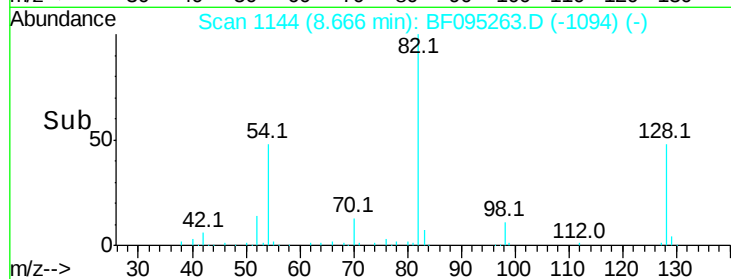
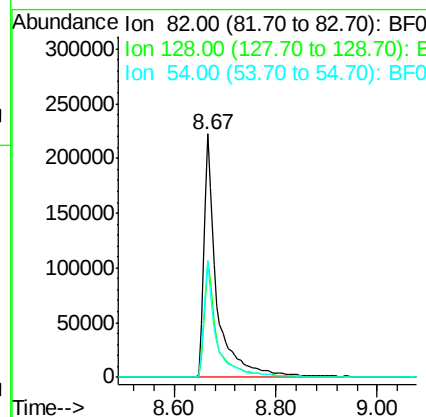
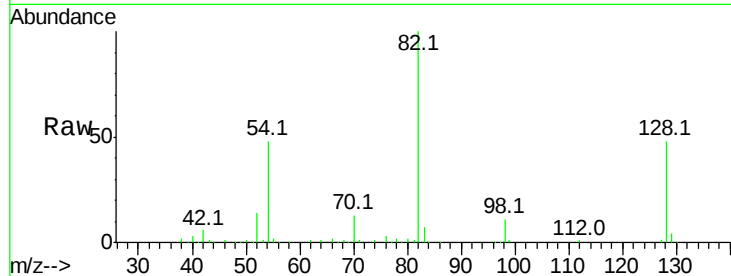
#23
 Nitrobenzene-d5
 Concen: 59.89 ng
 RT: 8.67 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BF095263.D
 Acq: 19 May 2017 13:42

Instrument :
 BNA_F
 ClientSampleId :
 E2-S4-SSW

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.7	34.0	51.0	
54	48.0	42.2	63.2	

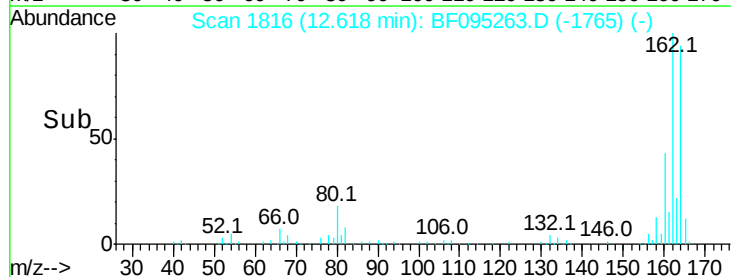
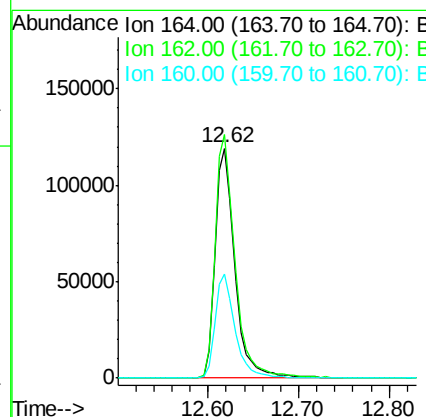
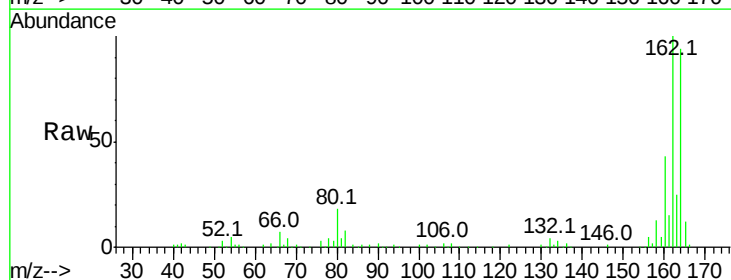
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: BF095263.D
 Acq: 19 May 2017 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.8	82.6	123.8	
160	45.4	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 86.88 ng

RT: 13.92 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

Instrument :

BNA_F

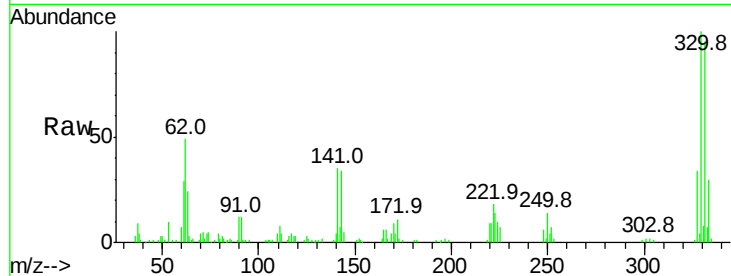
ClientSampleId :

E2-S4-SSW

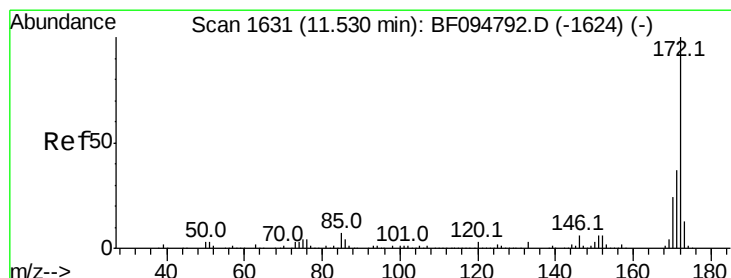
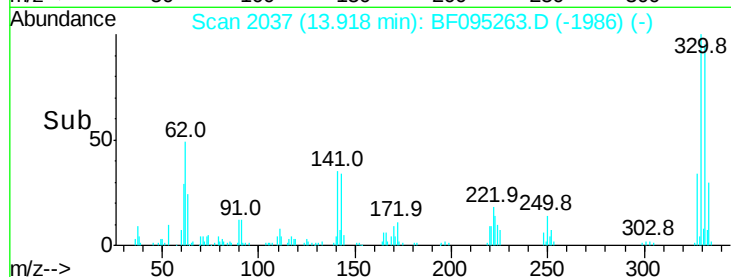
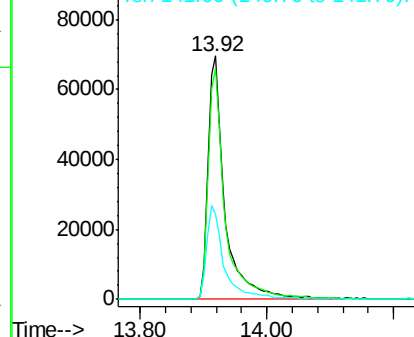
Tot Ion:	330	Resp:	128979
Ion Ratio	Lower	Upper	
330	100		
332	95.1	76.6	115.0
141	38.9	31.4	47.2

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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: 61.59 ng

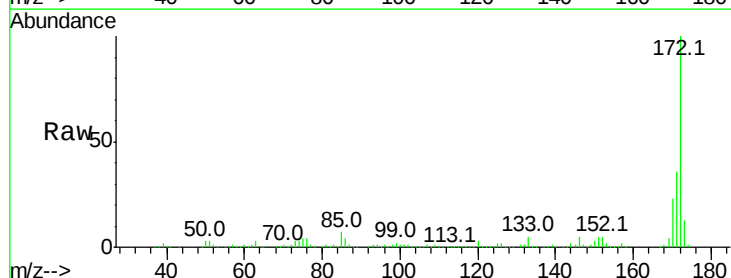
RT: 11.55 min Scan# 1635

Delta R.T. -0.01 min

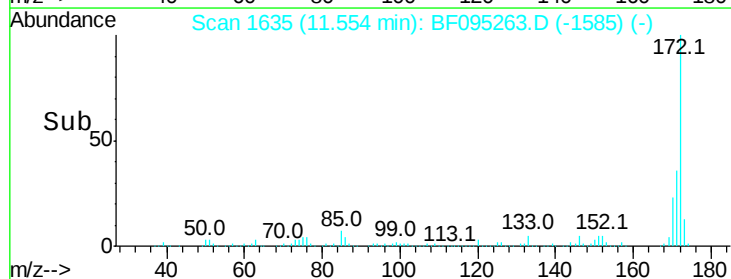
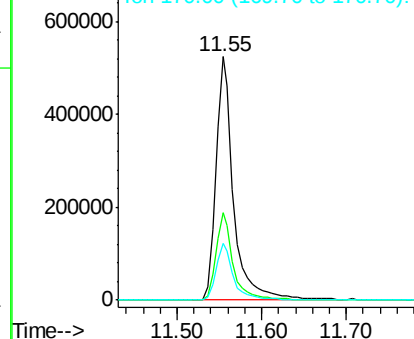
Lab File: BF095263.D

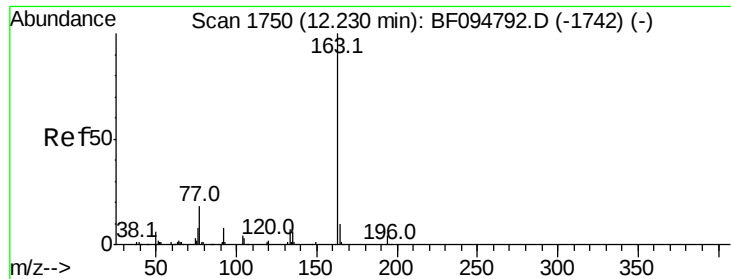
Acq: 19 May 2017 13:42

Tgt Ion:	172	Resp:	775701
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.6	44.4
170	23.5	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





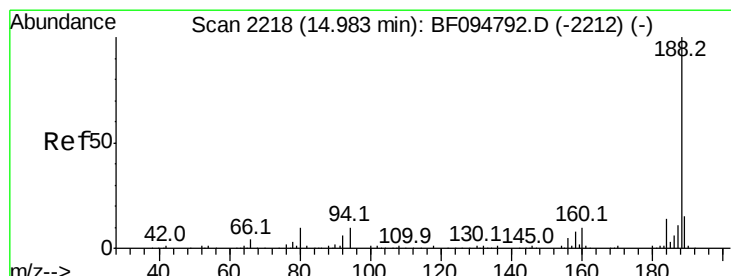
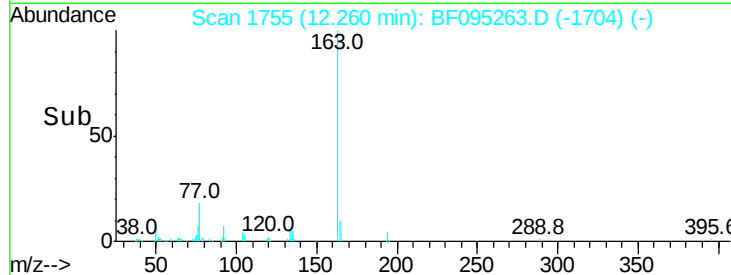
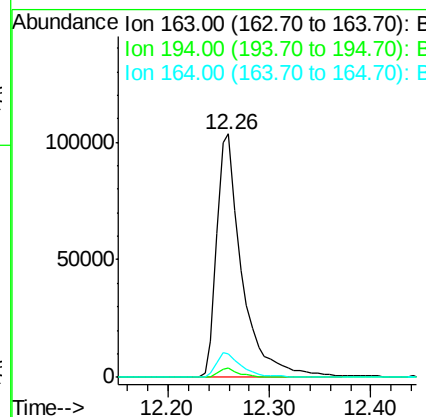
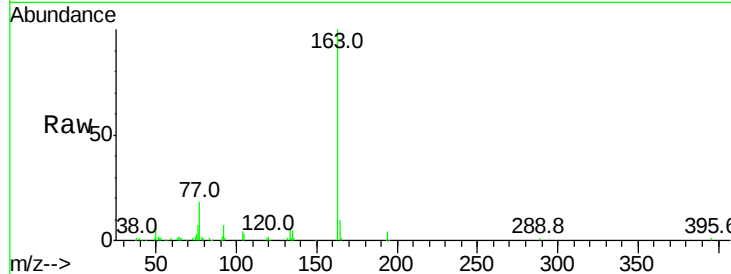
#49
Dimethylphthalate
Concen: 12.11 ng
RT: 12.26 min Scan# 1755
Delta R.T. 0.00 min
Lab File: BF095263.D
Acq: 19 May 2017 13:42

Instrument :
BNA_F
ClientSampled :
E2-S4-SSW

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	2.6	4.0	
164	9.9	8.4	12.6	

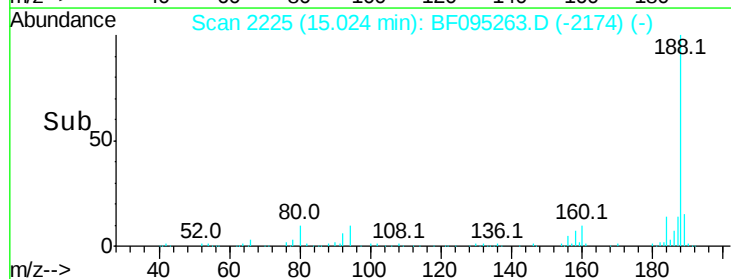
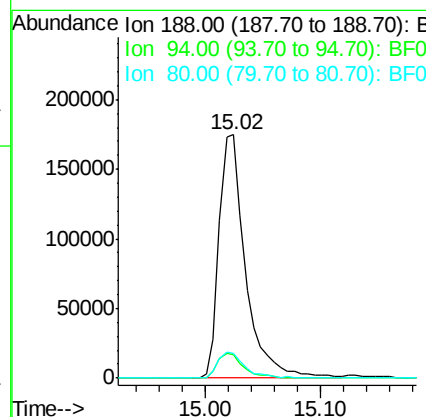
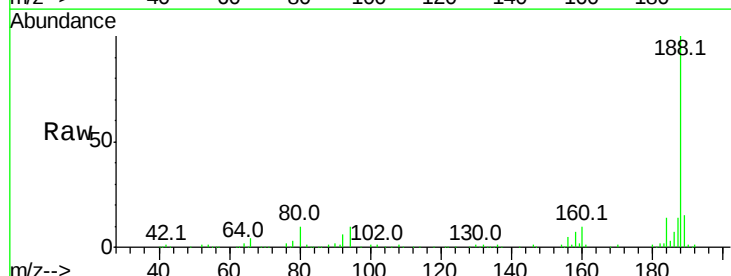
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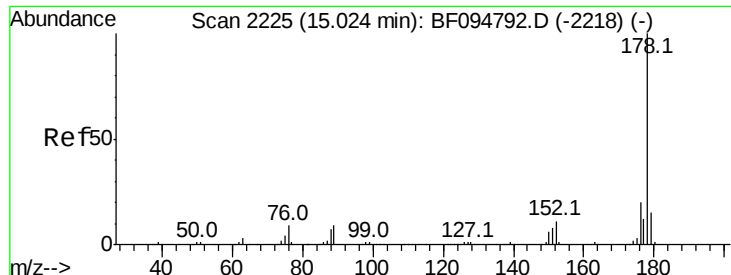
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.02 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF095263.D
Acq: 19 May 2017 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.6	9.4	14.2	
80	10.4	10.2	15.2	





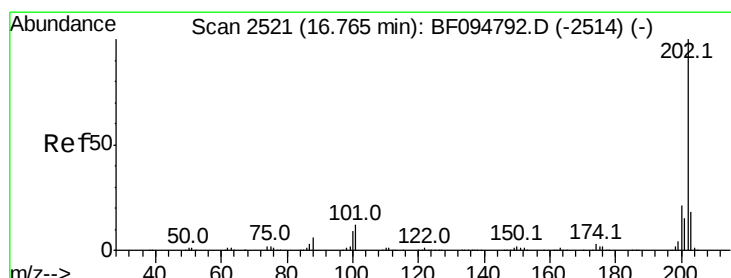
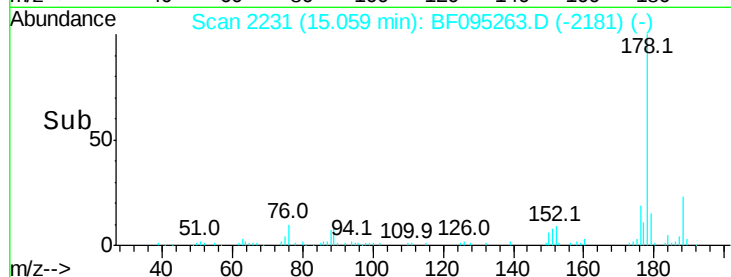
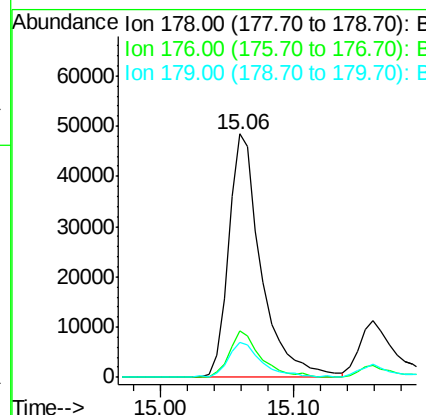
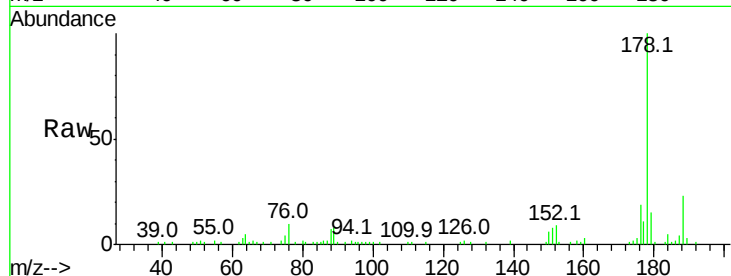
#70
Phenanthrene
Concen: 5.14 ng
RT: 15.06 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF095263.D
Acq: 19 May 2017 13:42

Instrument :
BNA_F
ClientSampleId :
E2-S4-SSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	14.6	12.6	19.0

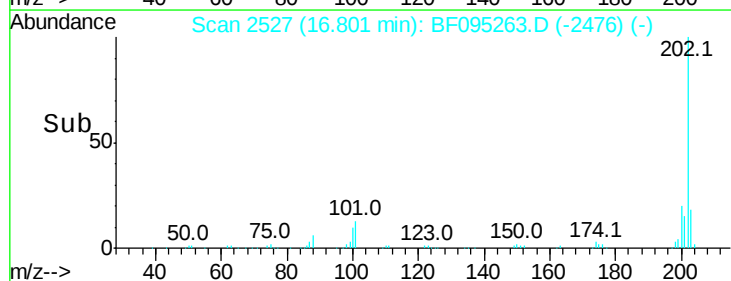
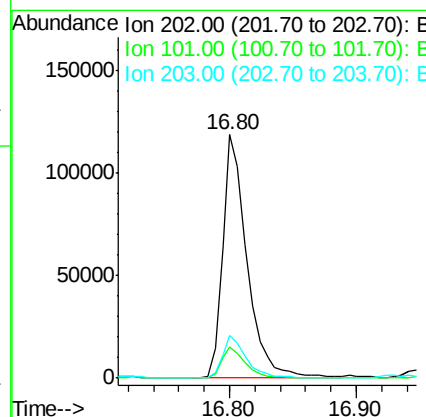
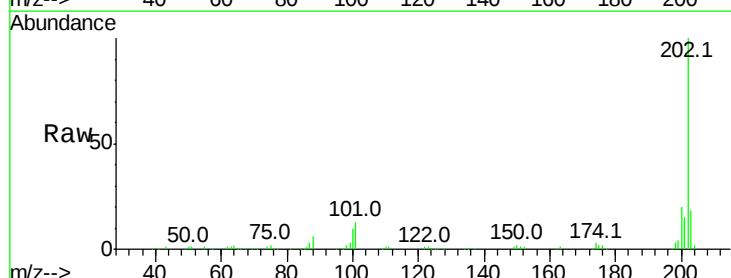
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#74
Fluoranthene
Concen: 9.69 ng
RT: 16.80 min Scan# 2527
Delta R.T. 0.00 min
Lab File: BF095263.D
Acq: 19 May 2017 13:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.69 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

Instrument :

BNA_F

ClientSampleId :

E2-S4-SSW

Tot Ion:240 Resp: 183529

Ion Ratio Lower Upper

240 100

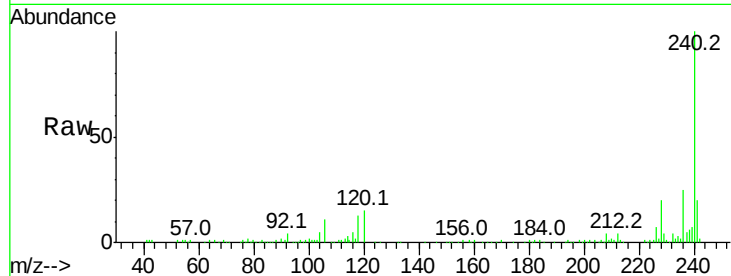
120 14.8 5.8 8.8#

236 25.1 20.5 30.7

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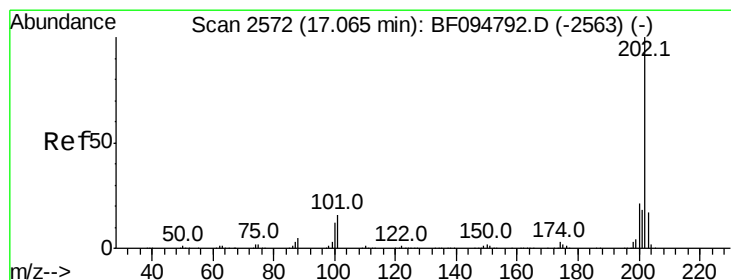
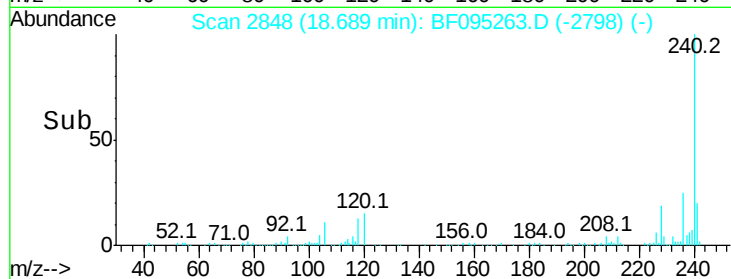
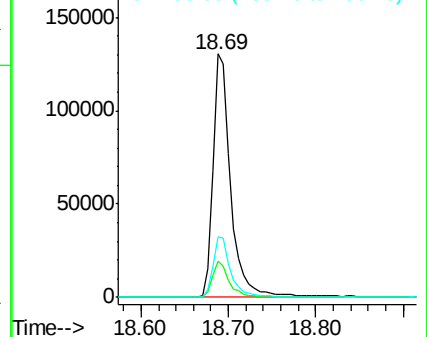
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 10.86 ng

RT: 17.11 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

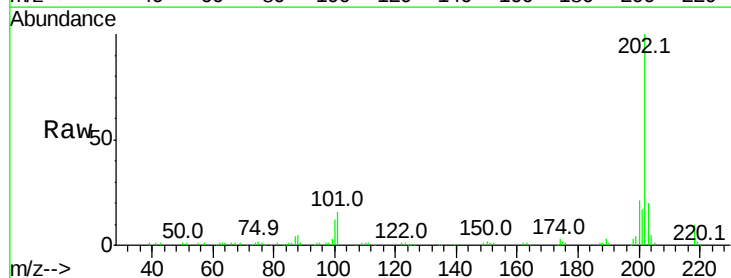
Tgt Ion:202 Resp: 149041

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

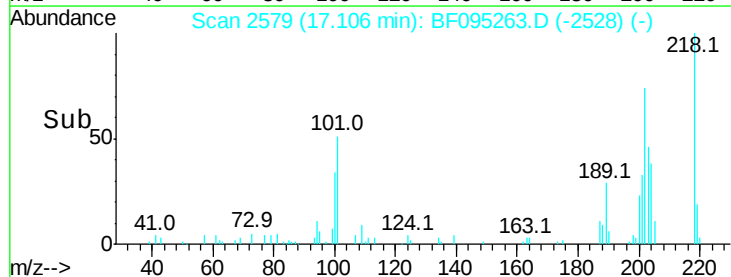
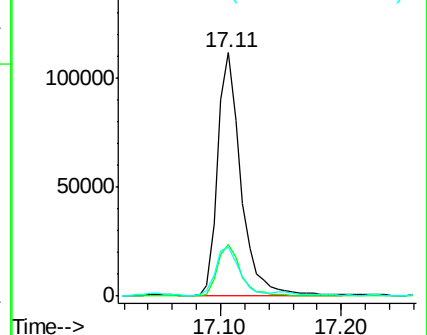
203 20.3 14.4 21.6



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: 56.60 ng

RT: 17.34 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

Instrument :

BNA_F

ClientSampled :

E2-S4-SSW

Tot Ion:244 Resp: 471658

Ion Ratio Lower Upper

244 100

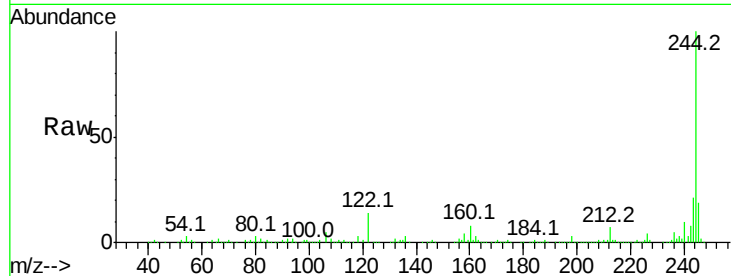
212 7.1 6.0 9.0

122 14.3 10.3 15.5

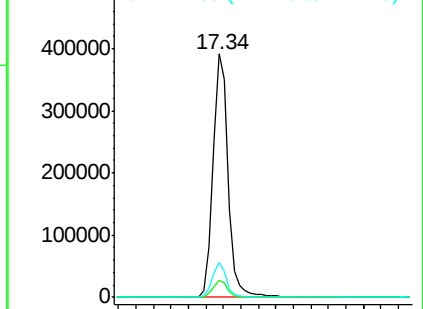
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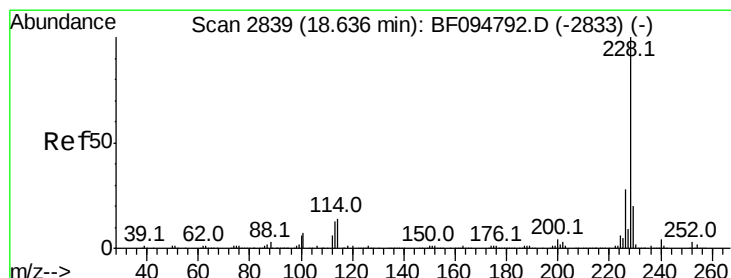
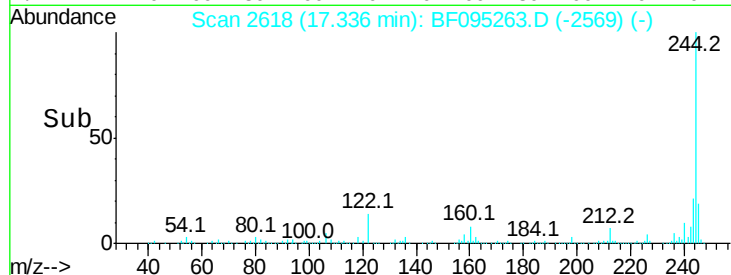
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 5.59 ng

RT: 18.68 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

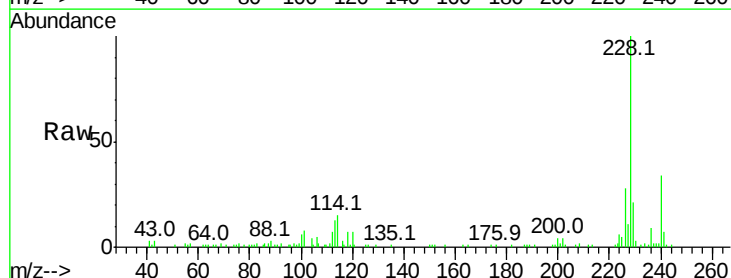
Tgt Ion:228 Resp: 59734

Ion Ratio Lower Upper

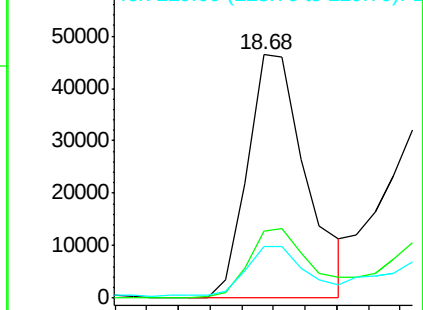
228 100

226 27.6 22.6 33.8

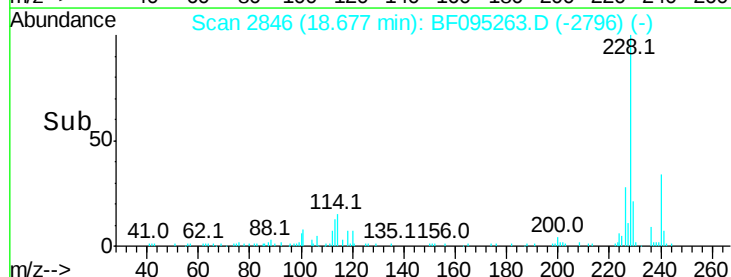
229 21.4 16.3 24.5

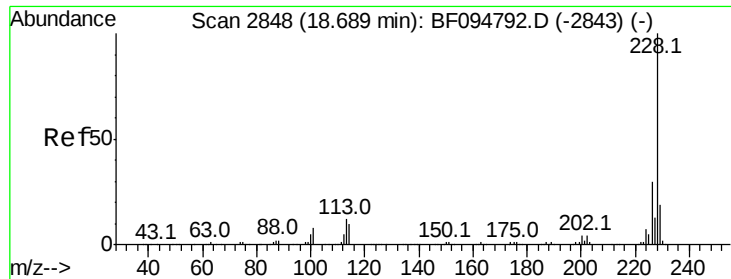


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





#82

Chrysene

Concen: 6.16 ng

RT: 18.73 min Scan# 2855

Delta R.T. 0.00 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

Instrument :

BNA_F

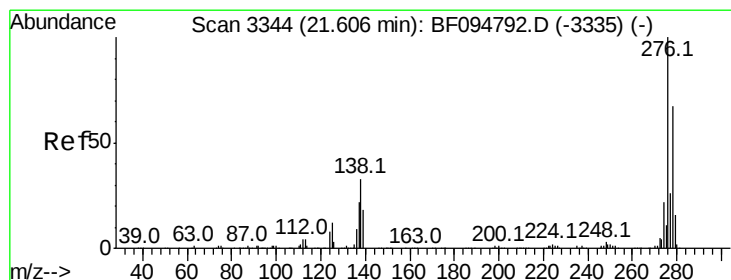
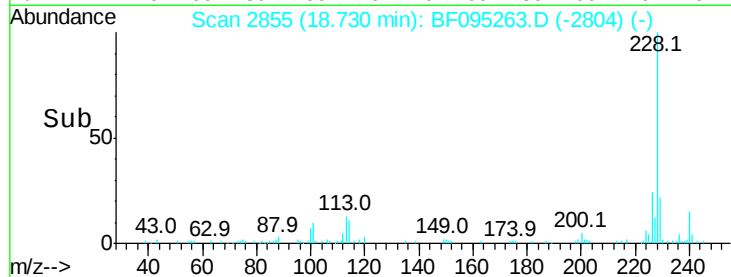
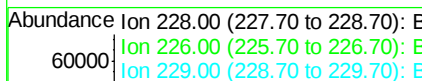
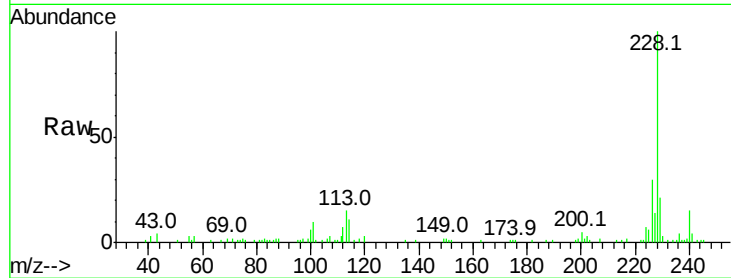
ClientSampleId :

E2-S4-SSW

Tot Ion:	228	Resp:	63586
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.9	37.3
229	21.2	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.47 ng

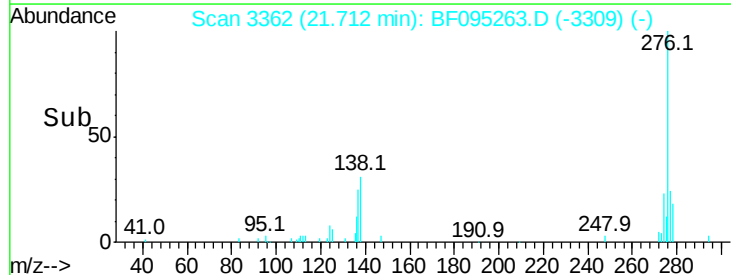
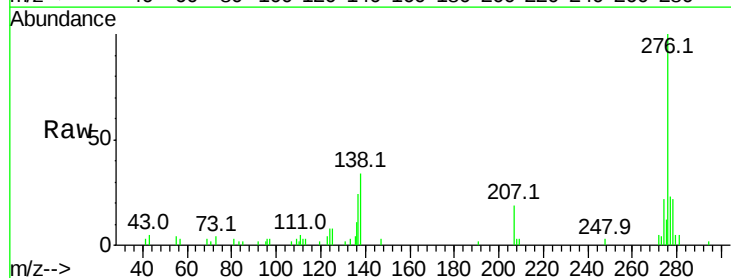
RT: 21.71 min Scan# 3362

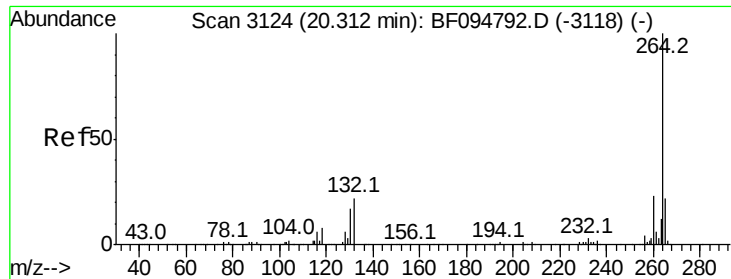
Delta R.T. 0.01 min

Lab File: BF095263.D

Acq: 19 May 2017 13:42

Tgt Ion:	276	Resp:	37495
Ion Ratio	Lower	Upper	
276	100		
138	30.9	27.8	41.6
277	24.9	20.2	30.4





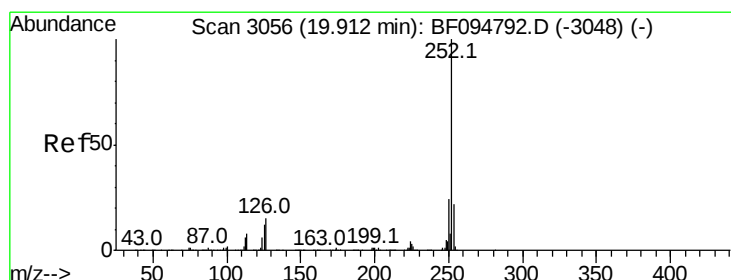
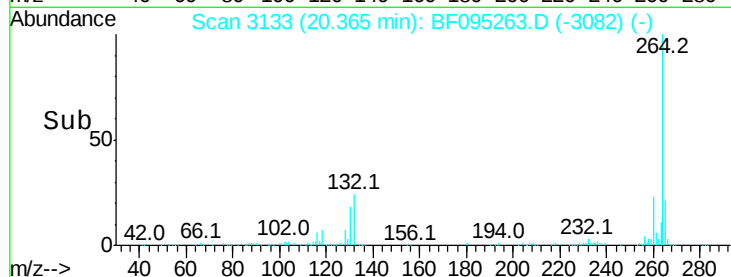
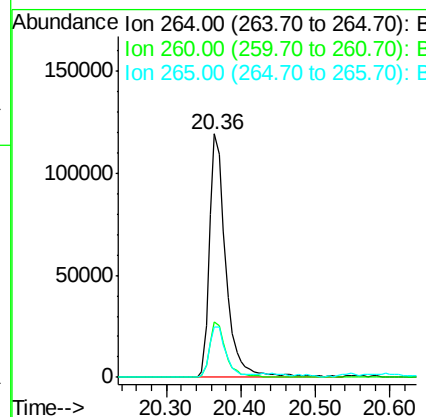
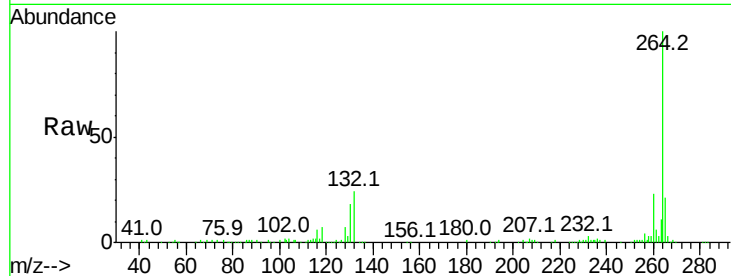
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BF095263.D
Acq: 19 May 2017 13:42

Instrument :
BNA_F
ClientSampleId :
E2-S4-SSW

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.5	29.3
265	20.6	17.2	25.8

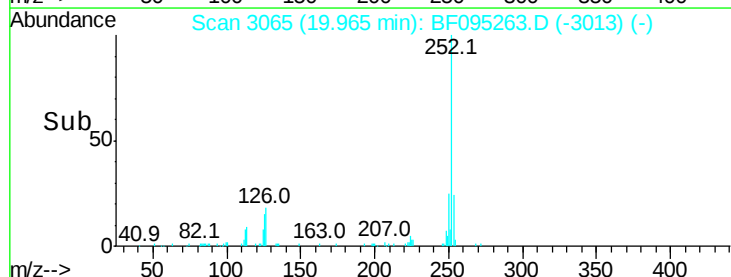
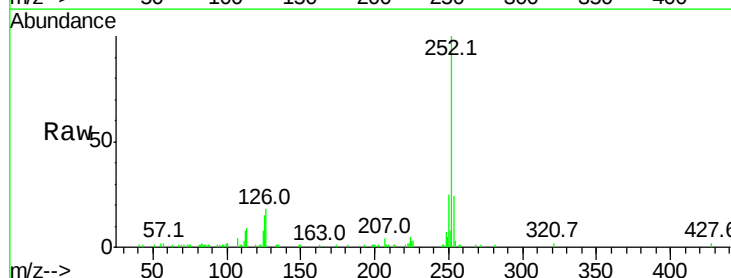
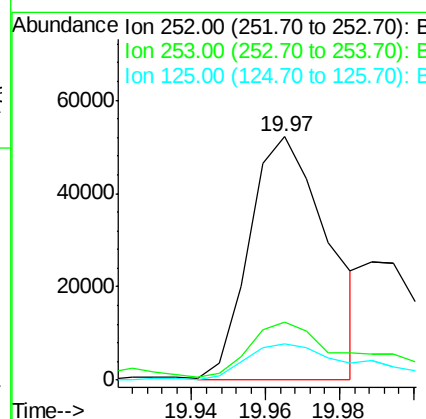
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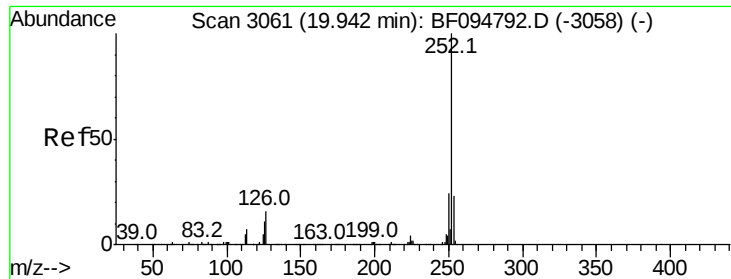
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#87
Benzo(b)fluoranthene
Concen: 6.76 ng m
RT: 19.97 min Scan# 3065
Delta R.T. 0.01 min
Lab File: BF095263.D
Acq: 19 May 2017 13:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	14.7	9.8	14.8





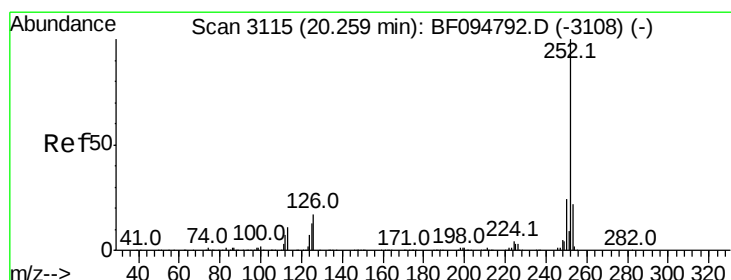
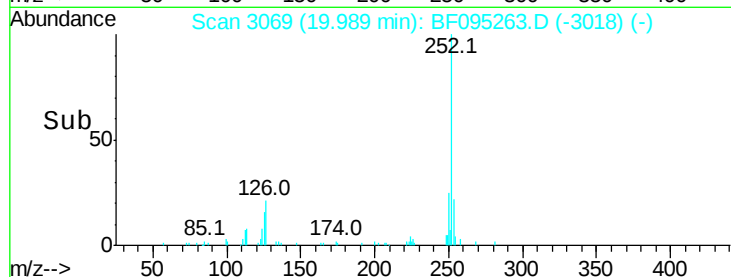
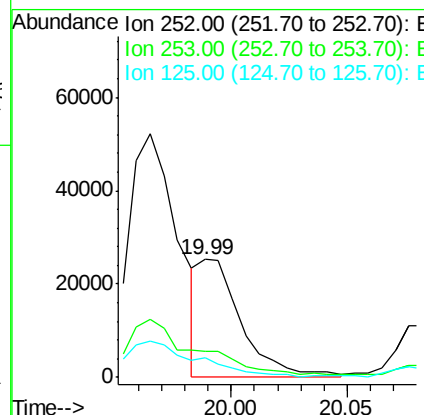
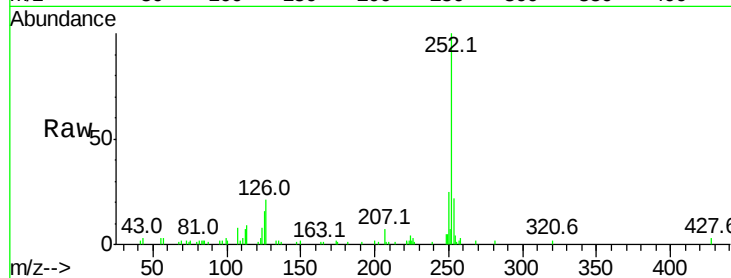
#88
Benzo(k)fluoranthene
Concen: 2.91 ng
RT: 19.99 min Scan# 3069
Delta R.T. 0.00 min
Lab File: BF095263.D
Acq: 19 May 2017 13:42

Instrument :
BNA_F
ClientSampleId :
E2-S4-SSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	16.3	13.1	19.7

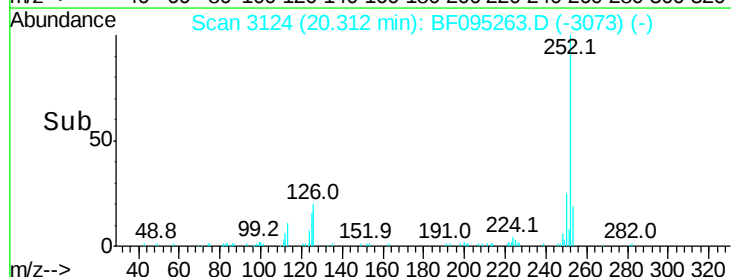
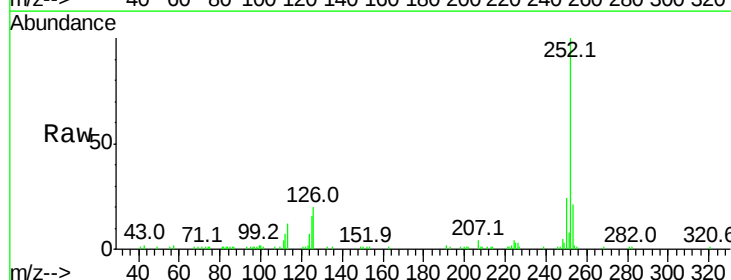
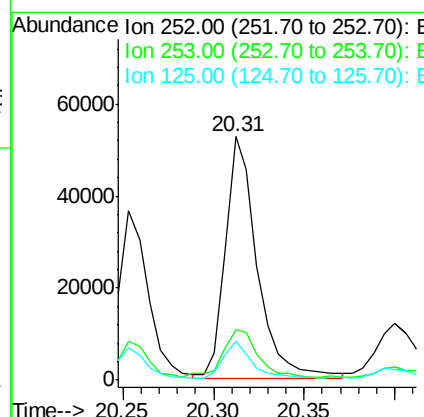
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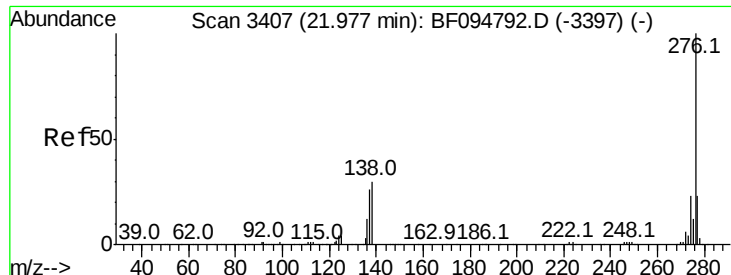
mohammad
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#89
Benzo(a)pyrene
Concen: 6.09 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.00 min
Lab File: BF095263.D
Acq: 19 May 2017 13:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.5	26.3
125	16.1	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 4.71 ng m
 RT: 22.10 min Scan# 3428
 Delta R.T. 0.02 min
 Lab File: BF095263.D
 Acq: 19 May 2017 13:42

Instrument :
 BNA_F
 ClientSampleId :
 E2-S4-SSW

Tot Ion:	276	Resp:	40173
Ion Ratio	Lower	Upper	
276	100		
277	28.2	18.6	28.0#
138	27.8	25.4	38.0

Manual Integrations
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