

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
 Data File : BF096678.D
 Acq On : 12 Jul 2017 7:55
 Operator : SJ/JU
 Sample : I4130-14
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS2-ESW

Manual Integrations
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 7/12/2017 4:58:24 PM

Quant Time: Jul 12 08:43:40 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	102813	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	390649	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	134926	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	201116	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	198538	20.00	ng	-0.01
86) Perylene-d12	15.23	264	153904	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	615666	88.38	ng	-0.01
7) Phenol-d6	6.33	99	759621	88.70	ng	-0.02
23) Nitrobenzene-d5	7.25	82	360492	55.45	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	98424	93.39	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	560438	71.02	ng	-0.02
78) Terphenyl-d14	12.78	244	397064	42.74	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.44	163	198401	19.698	ng	Qvalue # 99
70) Phenanthrene	11.22	178	52795	4.856	ng	98
71) Anthracene	11.27	178	26451	2.388	ng	99
74) Fluoranthene	12.41	202	413518	38.794	ng	98
77) Pyrene	12.63	202	414770	26.027	ng	99
80) Benzo(a)anthracene	13.82	228	277067	24.099	ng	97
82) Chrysene	13.86	228	253526m	21.057	ng	
85) Indeno(1,2,3-cd)pyrene	16.57	276	113500	11.943	ng	99
87) Benzo(b)fluoranthene	14.84	252	346086m	35.888	ng	
88) Benzo(k)fluoranthene	14.86	252	83493m	9.679	ng	
89) Benzo(a)pyrene	15.17	252	214200	24.879	ng	97
90) Dibenzo(a,h)anthracene	16.57	278	30752	4.540	ng	# 75
91) Benzo(g,h,i)perylene	16.97	276	102030	14.537	ng	99

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

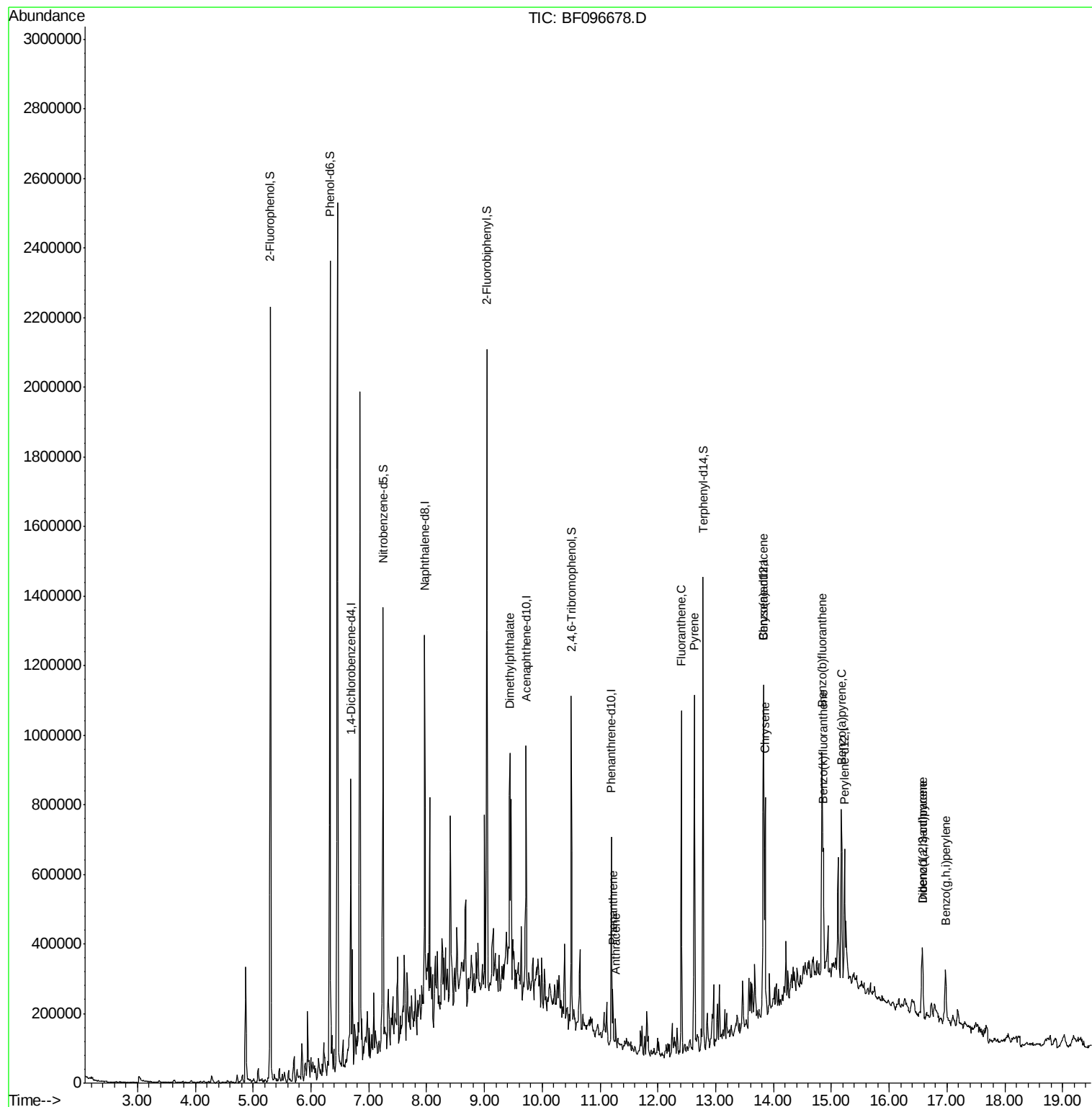
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
Data File : BF096678.D
Acq On : 12 Jul 2017 7:55
Operator : SJ/JU
Sample : I4130-14
Misc :
ALS Vial : 43 Sample Multiplier: 1

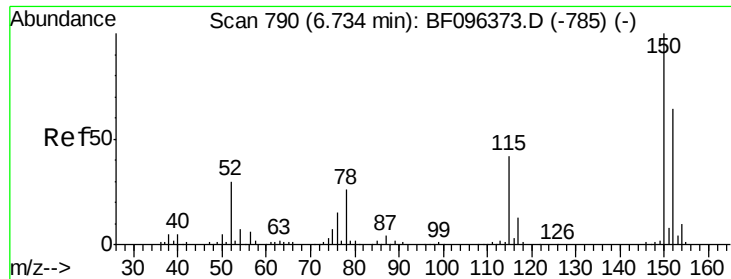
Instrument :
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ClientSampleID :
E2-HS2-ESW

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#1

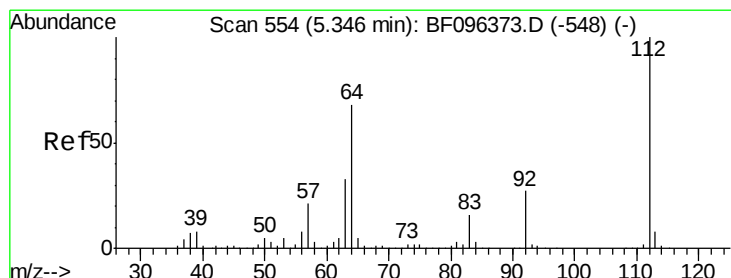
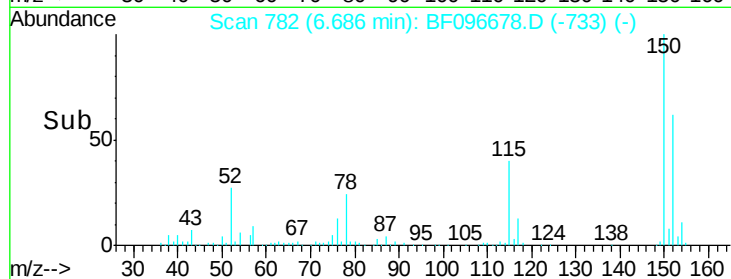
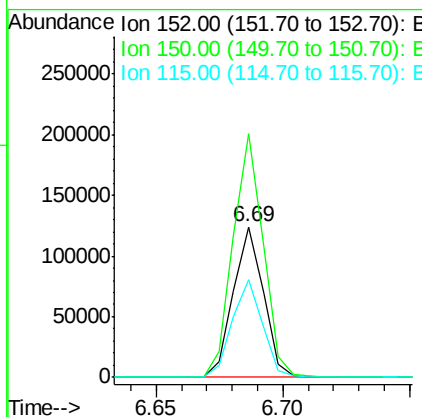
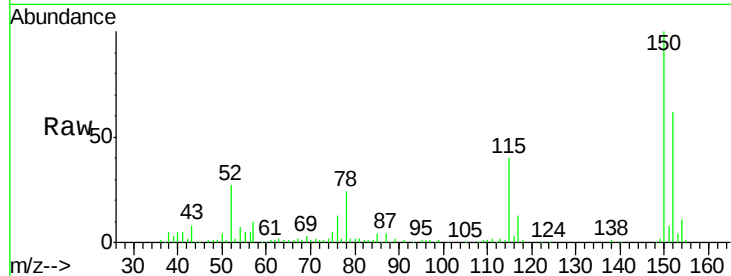
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-HS2-ESW

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.8	126.2	189.2
115	64.8	52.2	78.2

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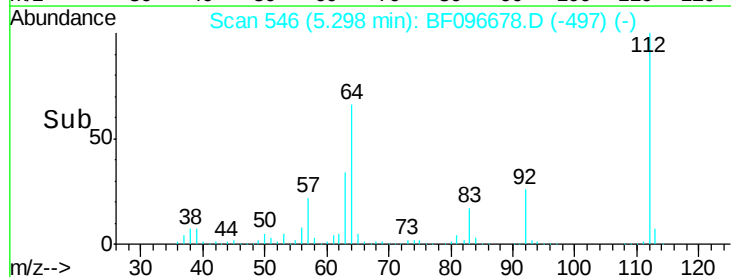
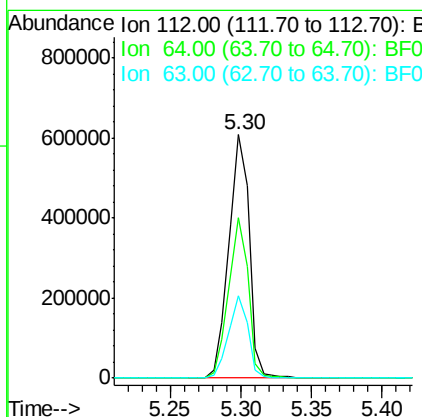
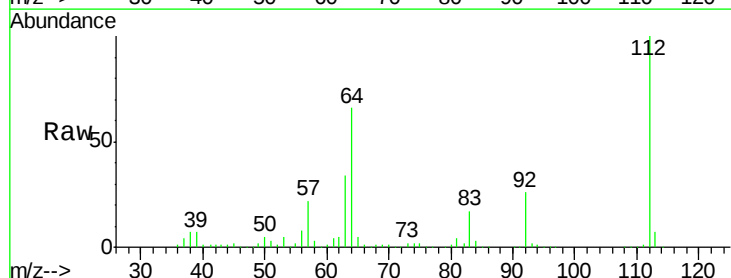
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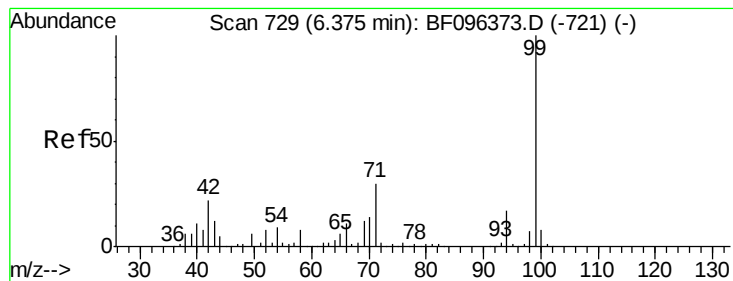


#5

2-Fluorophenol
Concen: 88.384 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	46.0	69.0
63	33.6	23.4	35.0





#7

Phenol-d6

Concen: 88.704 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

Instrument :

BNA_F

ClientSampleId :

E2-HS2-ESW

Tgt Ion: 99 Resp: 759621

Ion Ratio Lower Upper

99 100

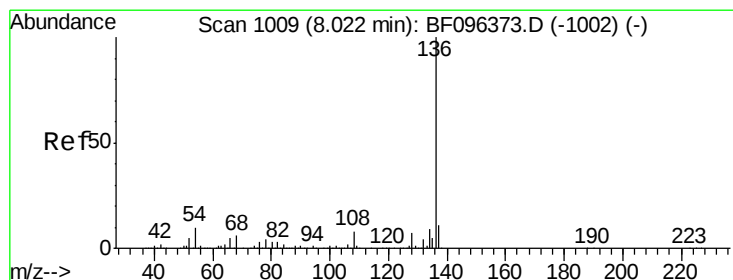
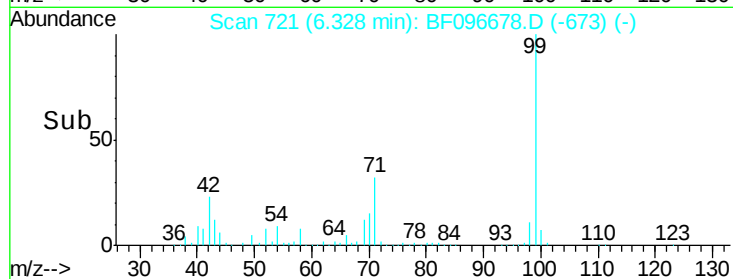
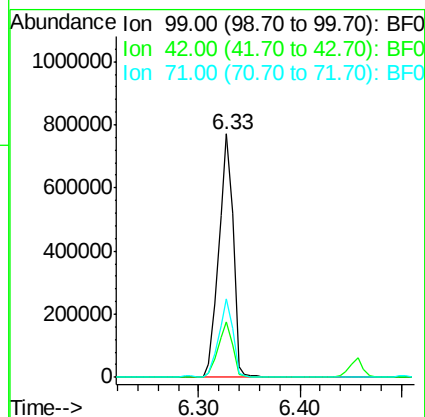
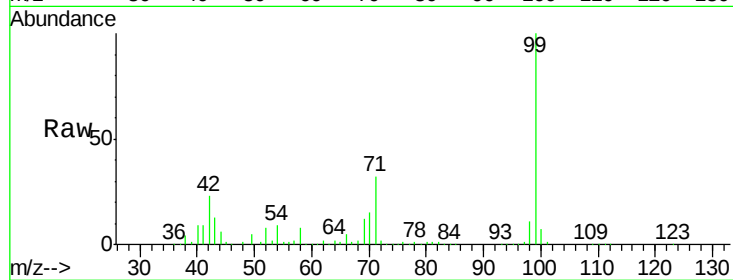
42 23.0 13.5 20.3#

71 32.3 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

Tgt Ion: 136 Resp: 390649

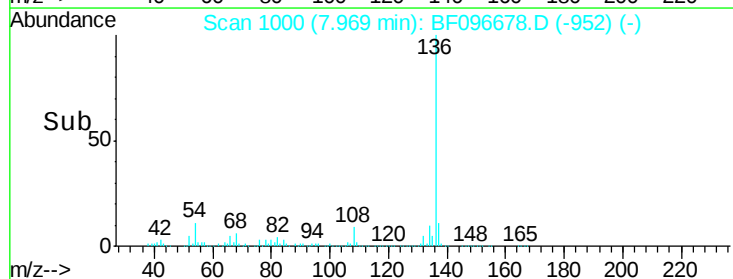
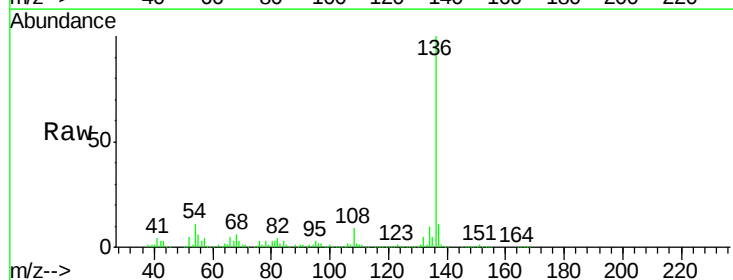
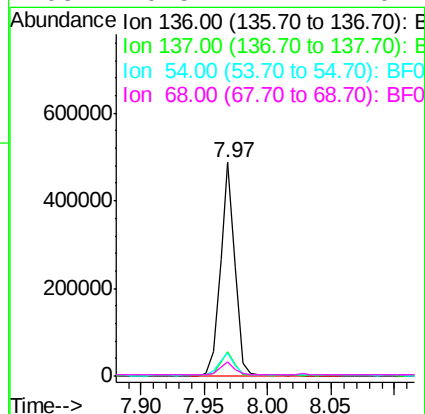
Ion Ratio Lower Upper

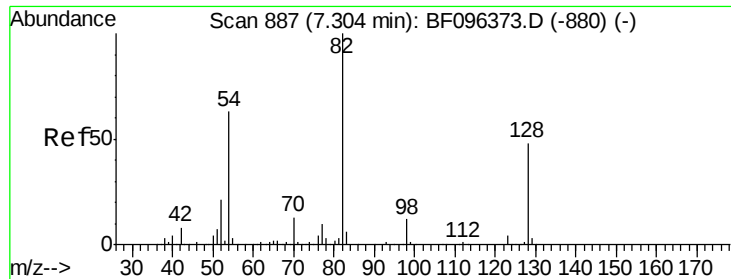
136 100

137 11.1 8.5 12.7

54 11.0 4.9 7.3#

68 6.5 4.1 6.1#





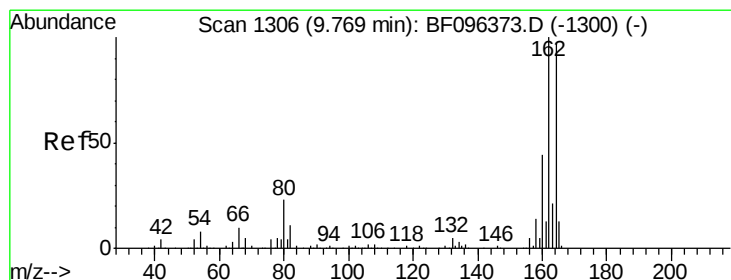
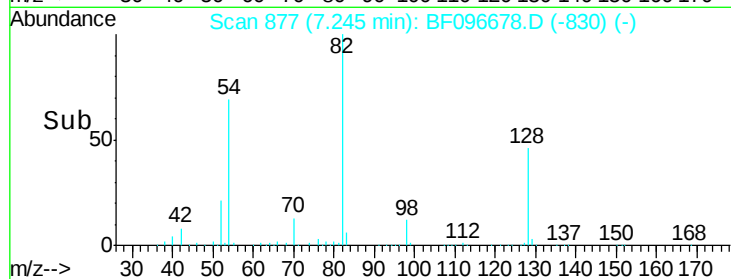
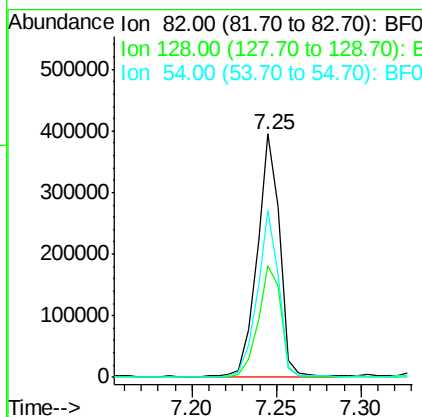
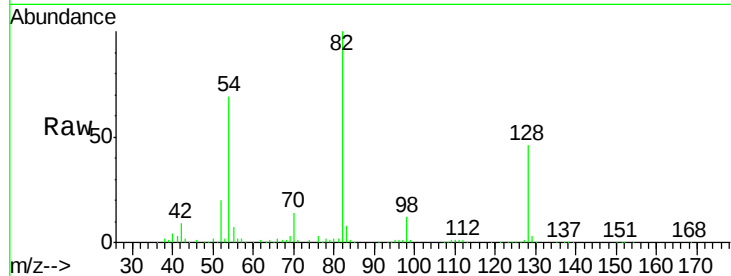
#23
 Nitrobenzene-d5
 Concen: 55.452 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.02 min
 Lab File: BF096678.D
 Acq: 12 Jul 2017 7:55

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS2-ESW

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.7	34.0	51.0
54	68.6	42.2	63.2

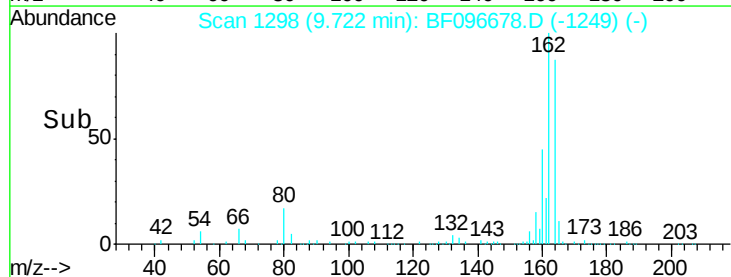
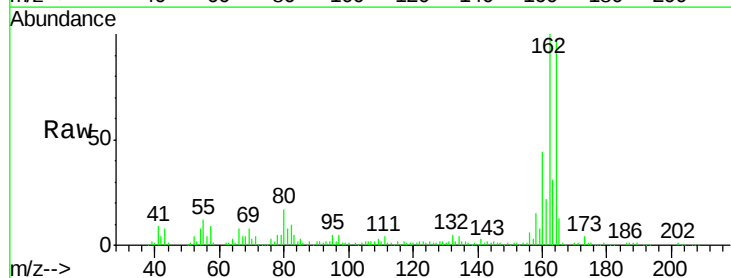
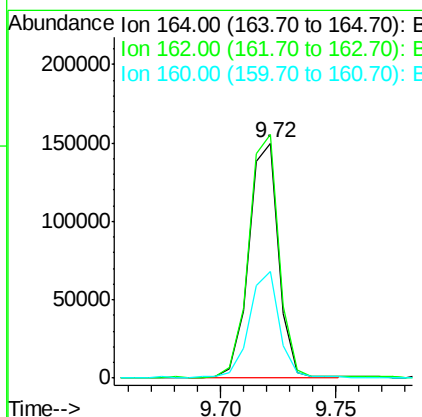
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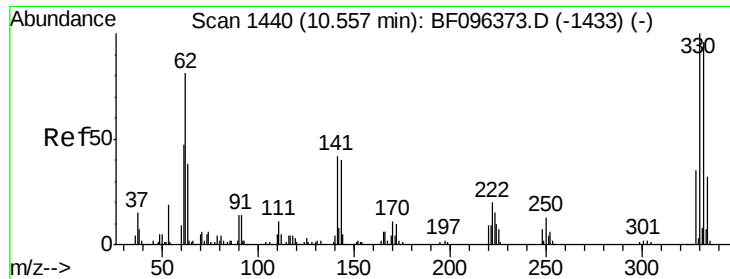
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF096678.D
 Acq: 12 Jul 2017 7:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.6	123.8
160	45.6	36.2	54.2





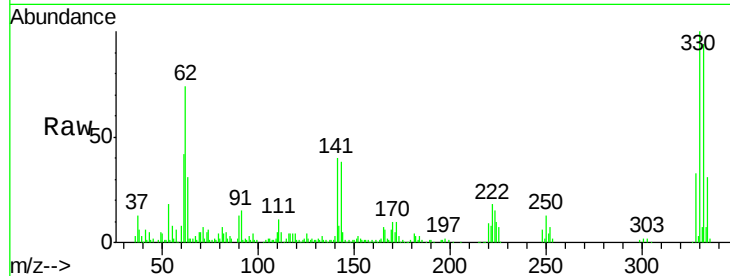
#41
 2,4,6-Tribromophenol
 Concen: 93.387 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096678.D
 Acq: 12 Jul 2017 7:55

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS2-ESW

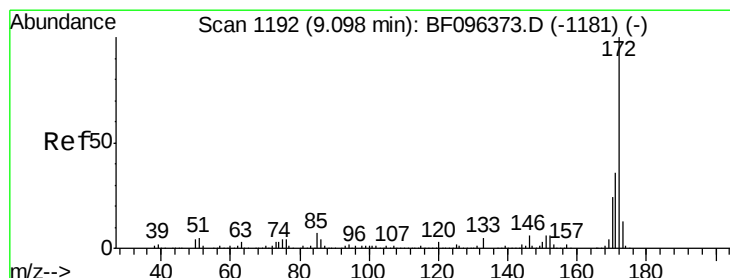
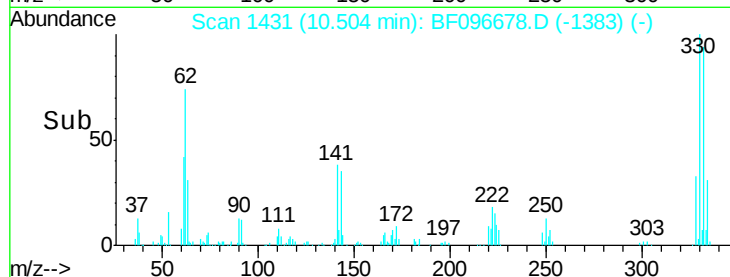
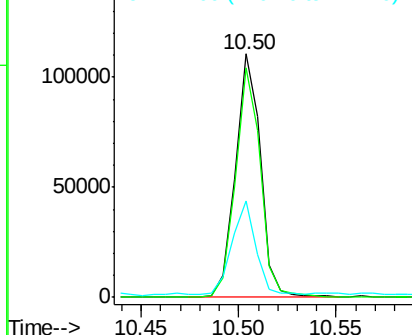
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	98424		
332	93.6	76.6	115.0	
141	37.8	31.4	47.2	

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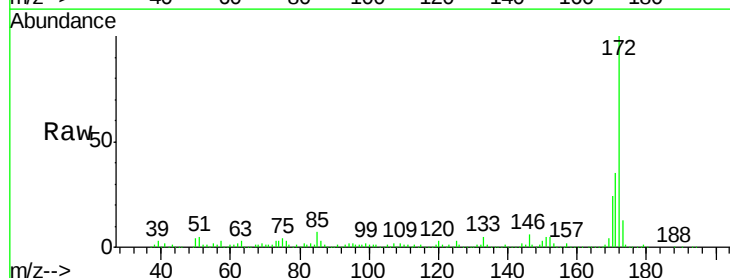


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

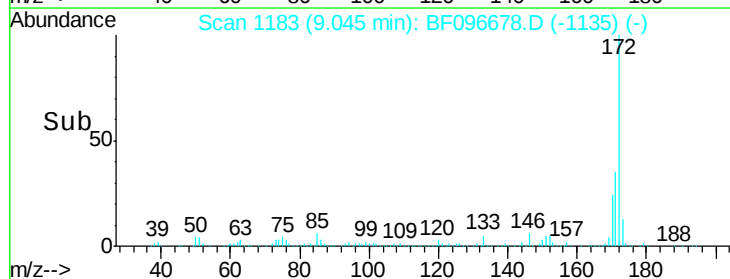
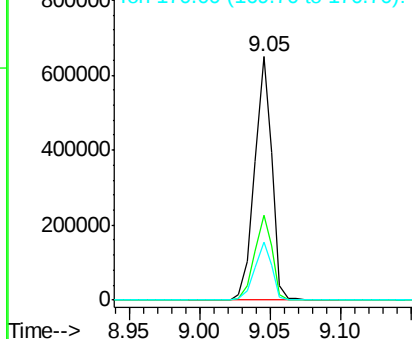


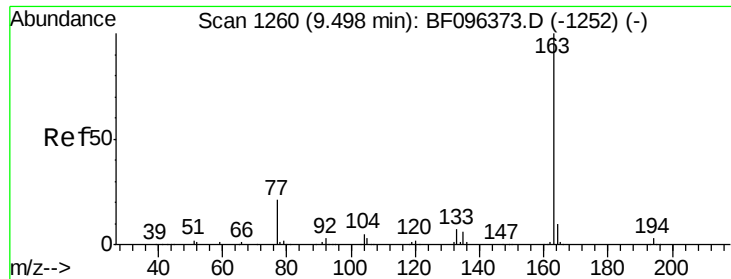
#44
 2-Fluorobiphenyl
 Concen: 71.018 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF096678.D
 Acq: 12 Jul 2017 7:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	560438		
171	35.1	29.6	44.4	
170	23.8	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





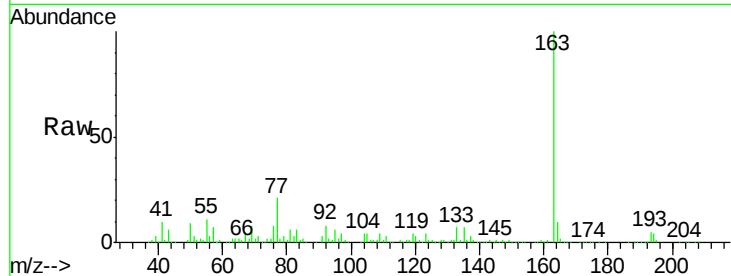
#49
Dimethylphthalate
Concen: 19.698 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-HS2-ESW

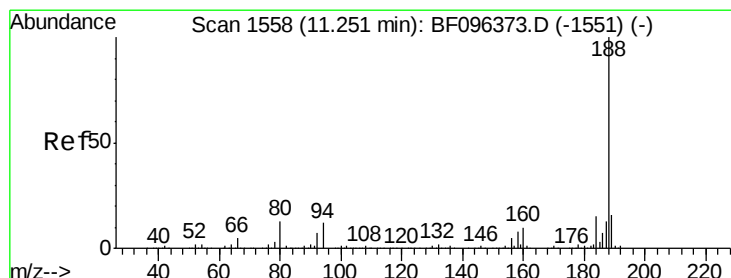
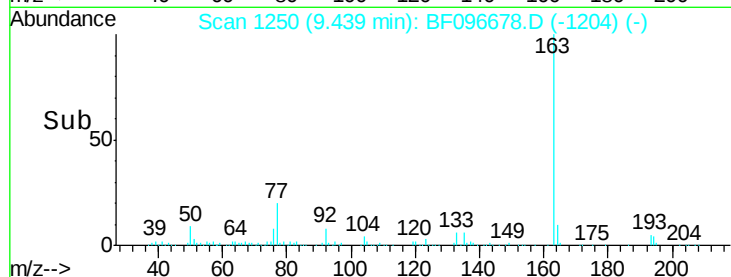
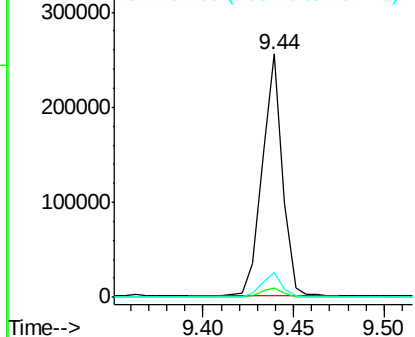
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	198401		
194	4.1	2.6	4.0#	
164	10.1	8.4	12.6	

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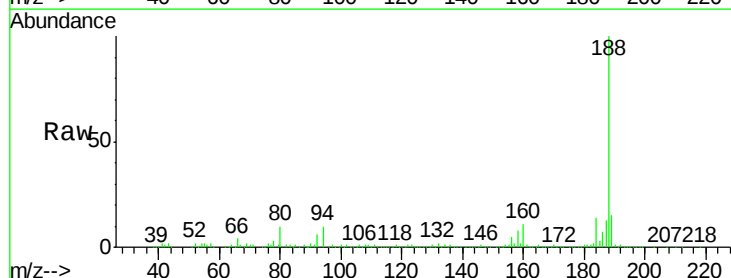


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

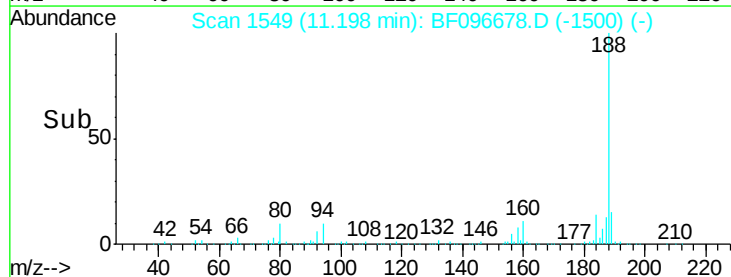
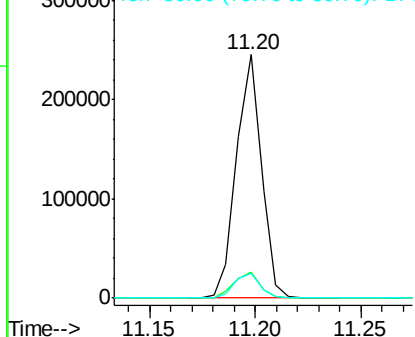


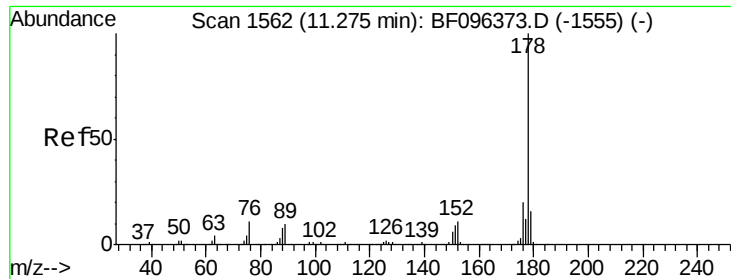
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	201116		
94	10.4	9.4	14.2	
80	10.3	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





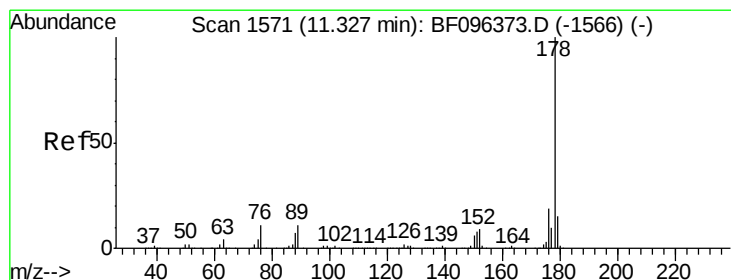
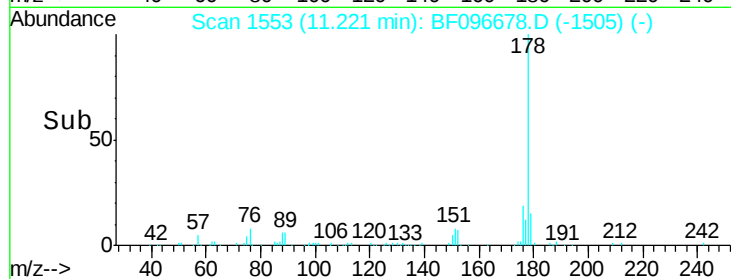
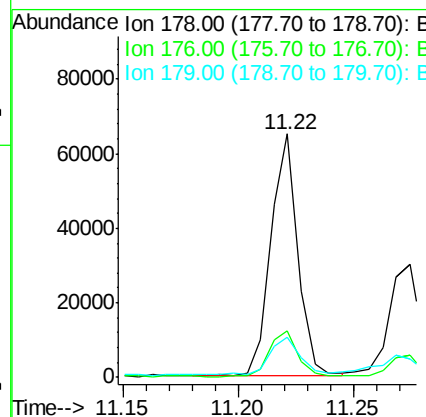
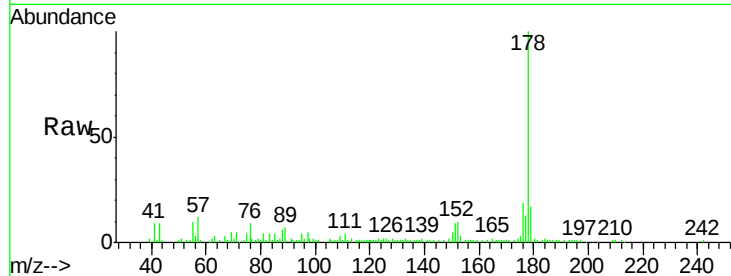
#70
Phenanthrene
Concen: 4.856 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-HS2-ESW

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	16.7	12.6	19.0

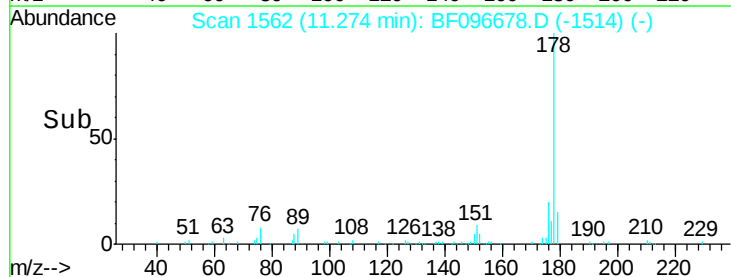
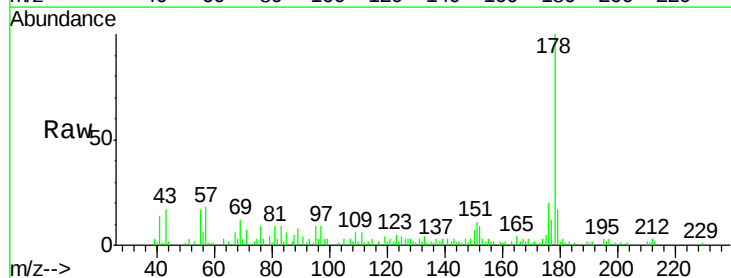
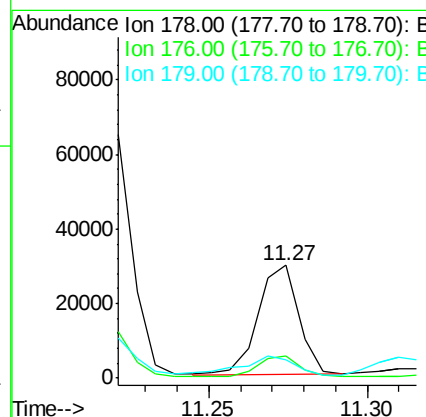
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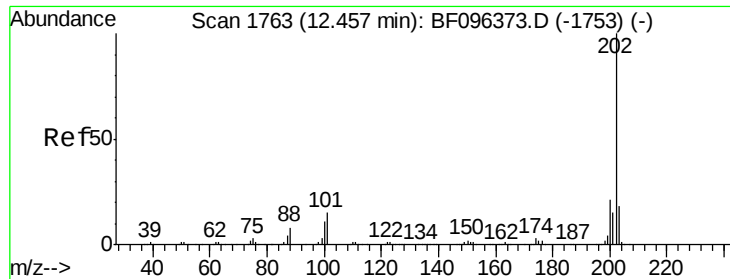
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#71
Anthracene
Concen: 2.388 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	16.6	12.7	19.1





#74

Fluoranthene

Concen: 38.794 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

Instrument :

BNA_F

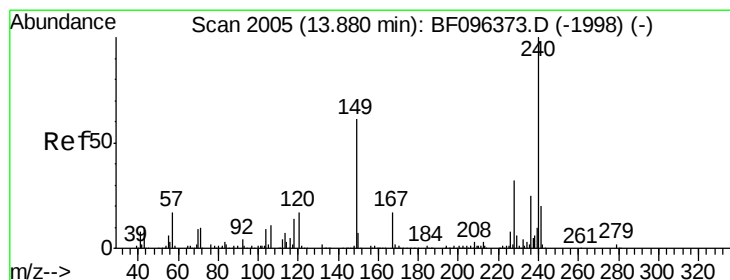
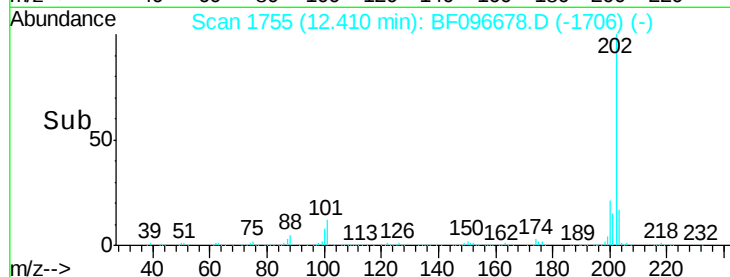
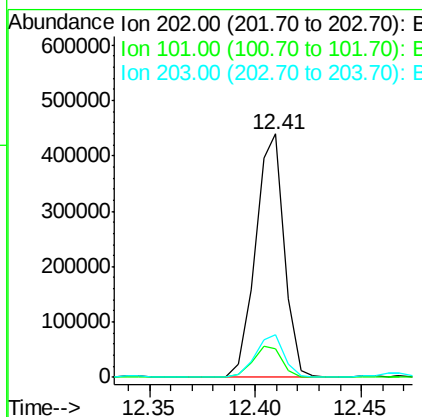
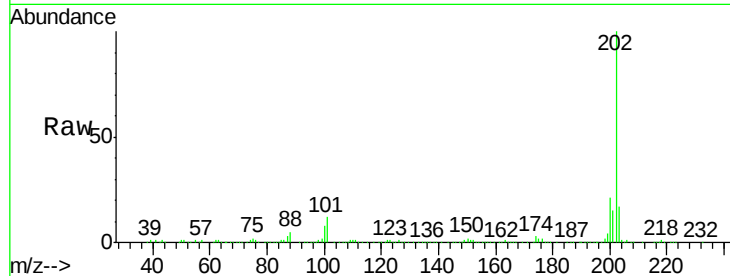
ClientSampleId :

E2-HS2-ESW

Tgt	Ion	202	Resp:	413518
	Ion	Ratio	Lower	Upper
	202	100		
	101	11.9	0.0	33.2
	203	17.5	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

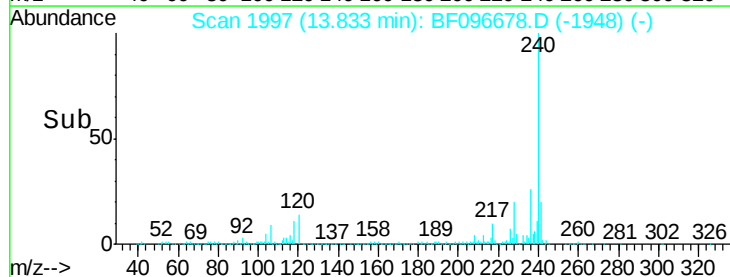
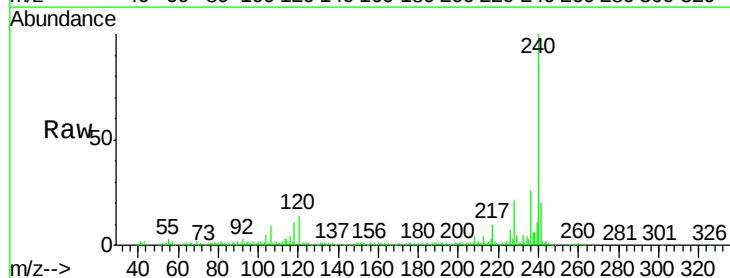
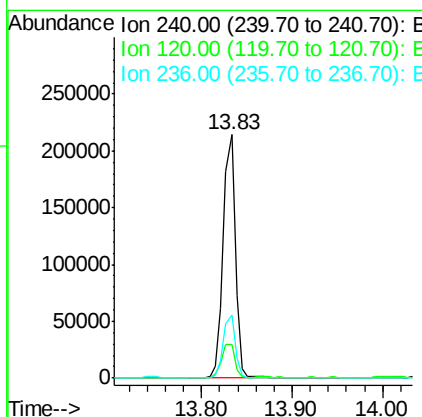
RT: 13.83 min Scan# 1997

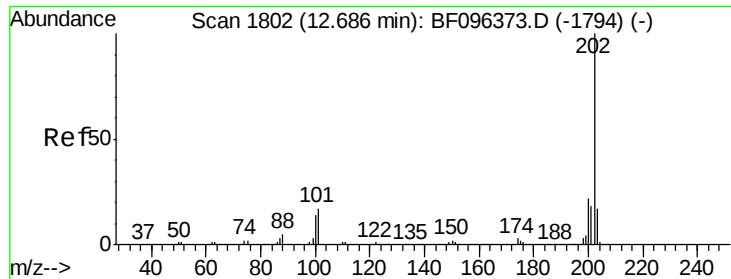
Delta R.T. -0.01 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

Tgt	Ion	240	Resp:	198538
	Ion	Ratio	Lower	Upper
	240	100		
	120	13.7	5.8	8.8#
	236	26.1	20.5	30.7





#77

Pyrene

Concen: 26.027 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.02 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

Instrument :

BNA_F

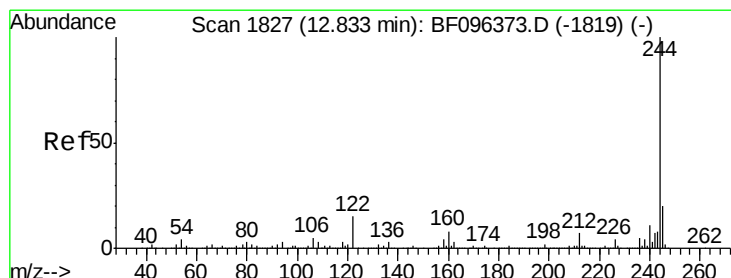
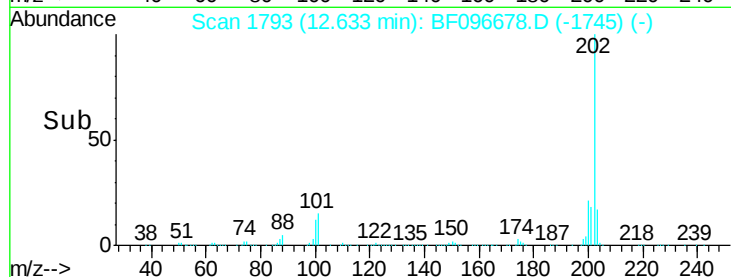
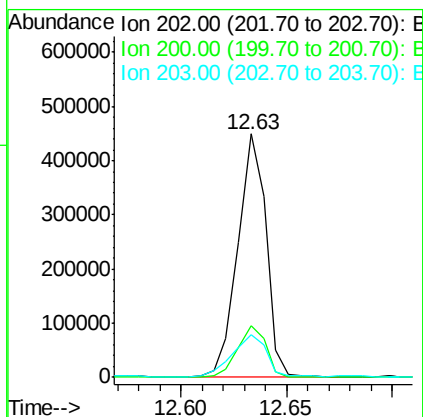
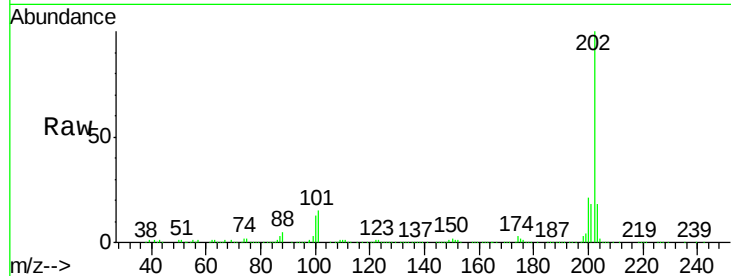
ClientSampleId :

E2-HS2-ESW

Tgt Ion:	202	Resp:	414770
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.6	26.4
203	17.7	14.4	21.6

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#78

Terphenyl-d14

Concen: 42.735 ng

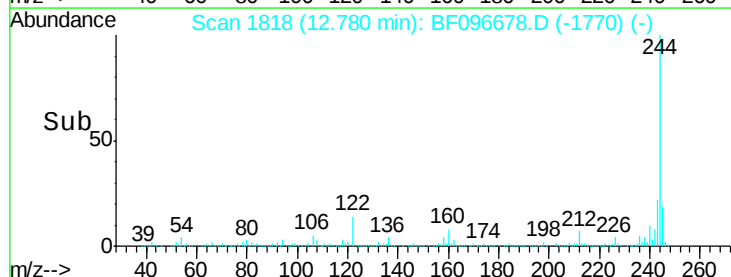
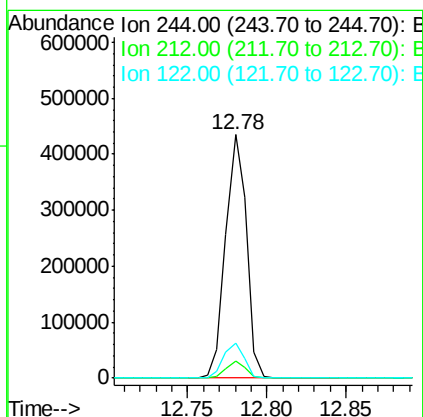
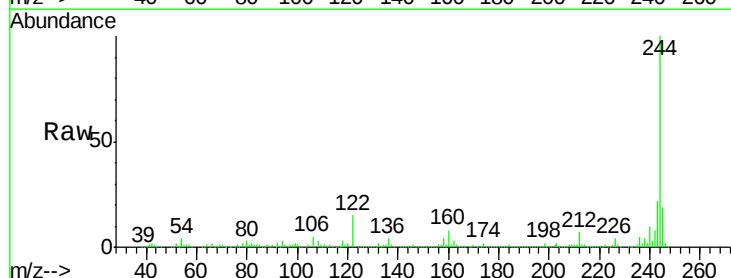
RT: 12.78 min Scan# 1818

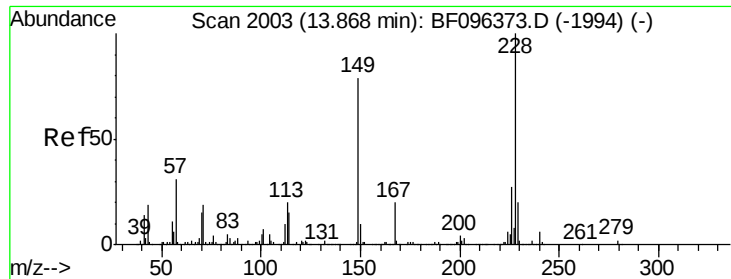
Delta R.T. -0.02 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

Tgt Ion:	244	Resp:	397064
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	14.6	10.3	15.5





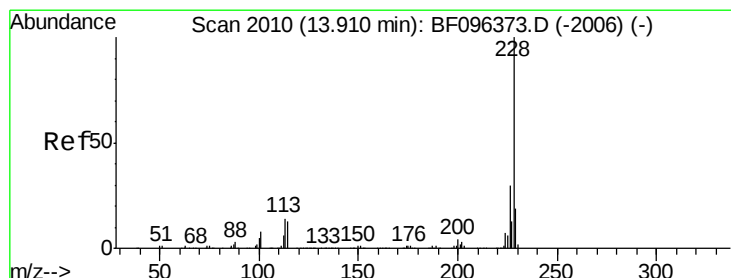
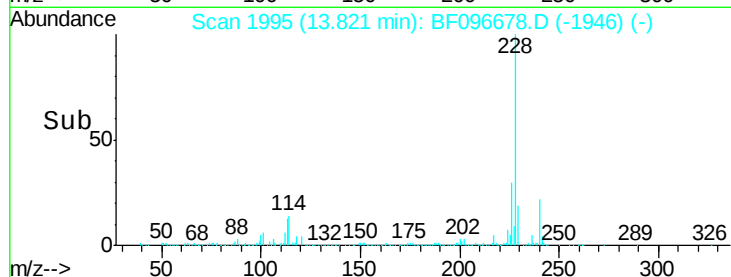
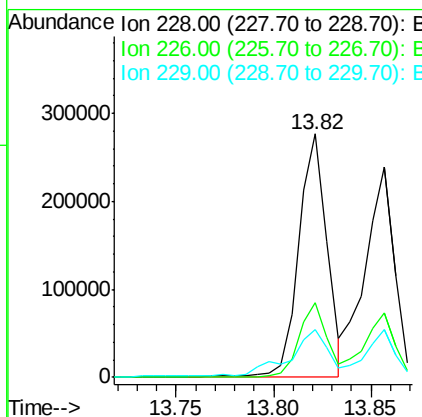
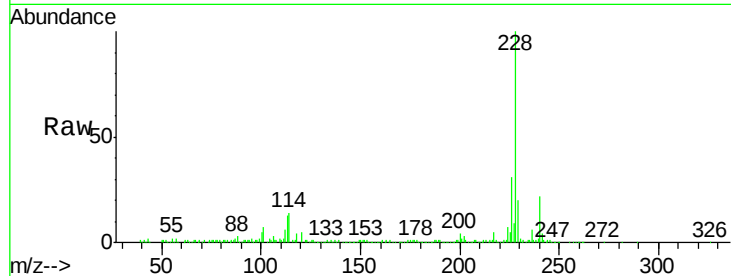
#80
Benzo(a)anthracene
Concen: 24.099 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-HS2-ESW

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	19.8	16.3	24.5

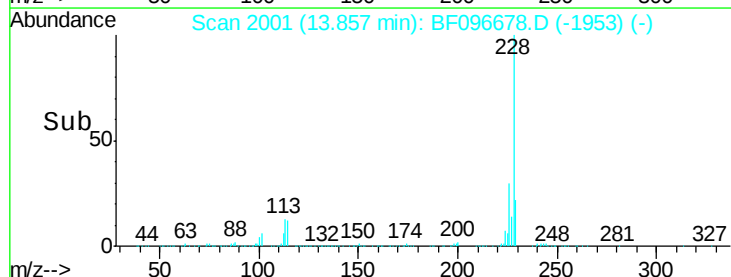
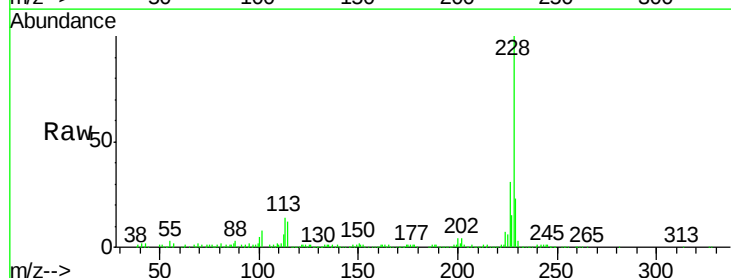
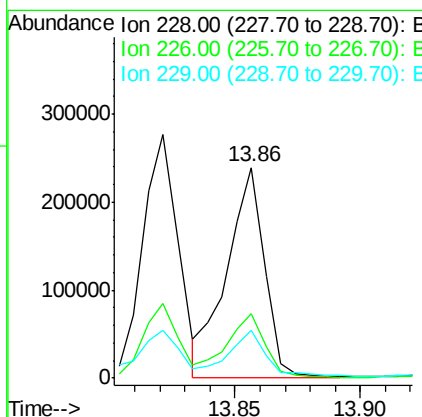
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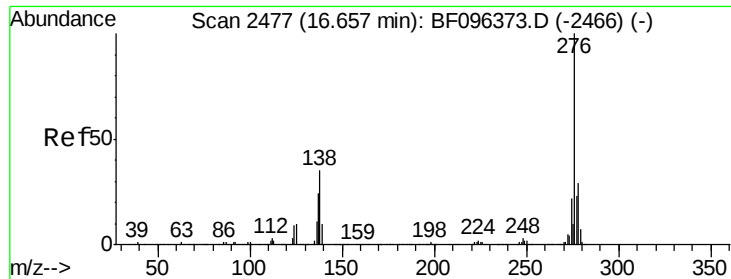
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#82
Chrysene
Concen: 21.057 ng m
RT: 13.86 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	22.8	15.8	23.6





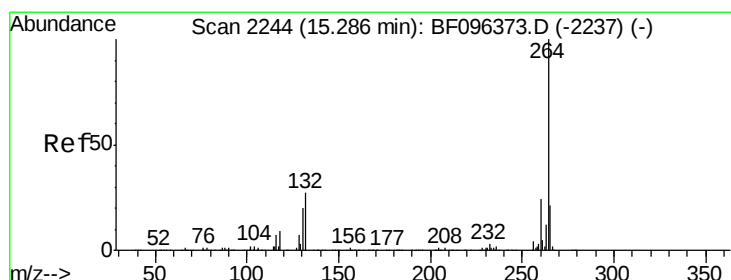
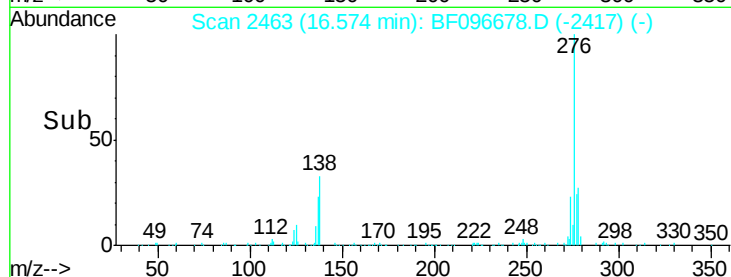
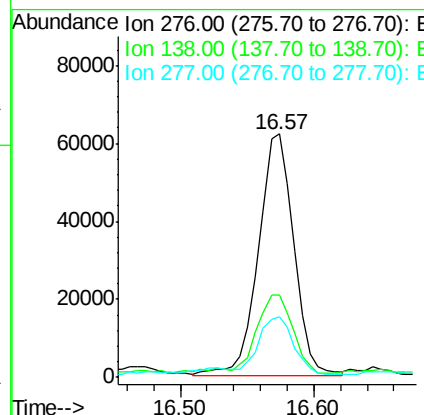
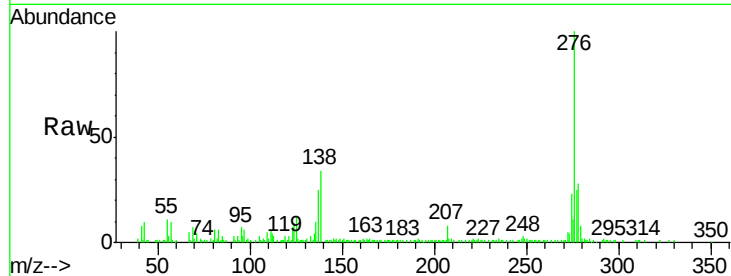
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.943 ng
 RT: 16.57 min Scan# 2463
 Delta R.T. -0.03 min
 Lab File: BF096678.D
 Acq: 12 Jul 2017 7:55

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS2-ESW

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	34.5	27.8	41.6
277	25.6	20.2	30.4

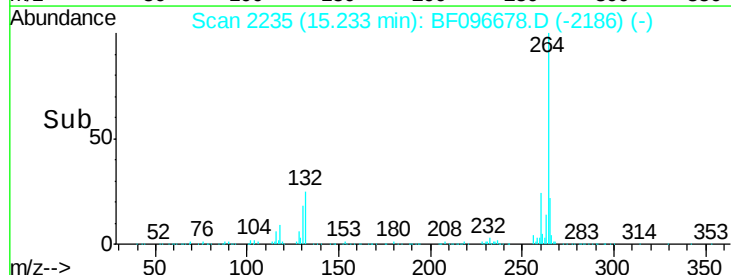
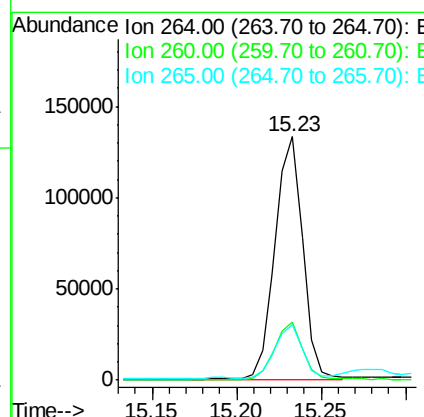
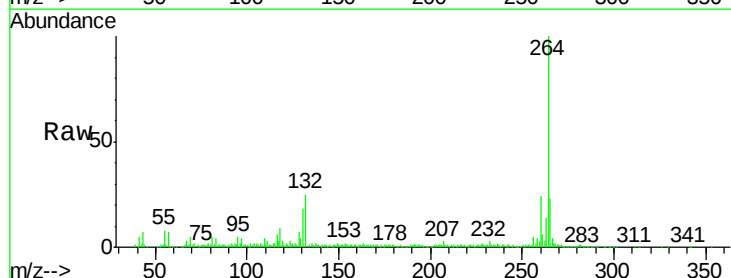
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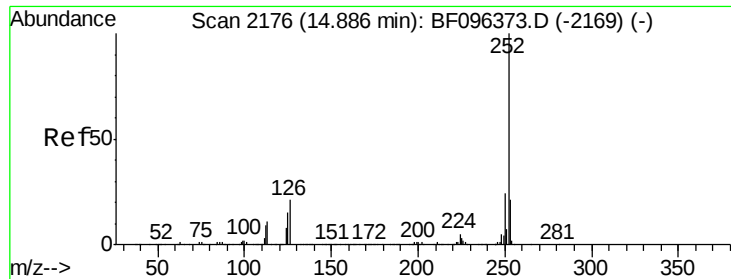
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.01 min
 Lab File: BF096678.D
 Acq: 12 Jul 2017 7:55

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 35.888 ng m

RT: 14.84 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

Instrument :

BNA_F

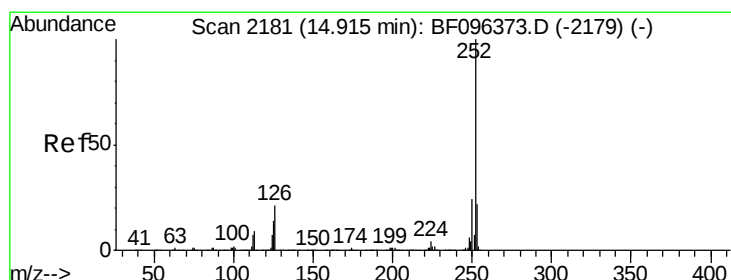
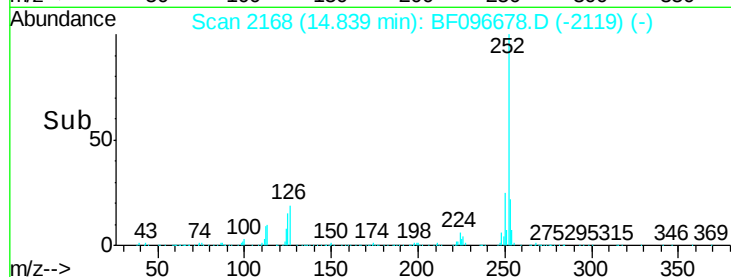
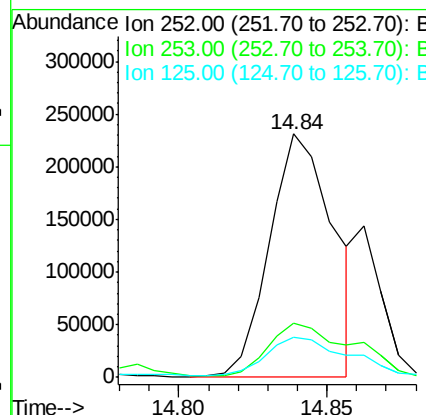
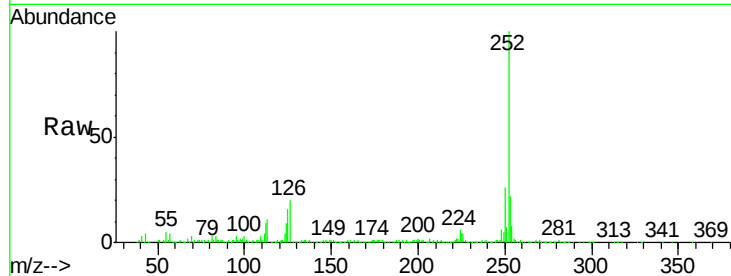
ClientSampleId :

E2-HS2-ESW

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	346086		
253	22.2	18.1	27.1	
125	16.3	9.8	14.8#	

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#88

Benzo(k)fluoranthene

Concen: 9.679 ng m

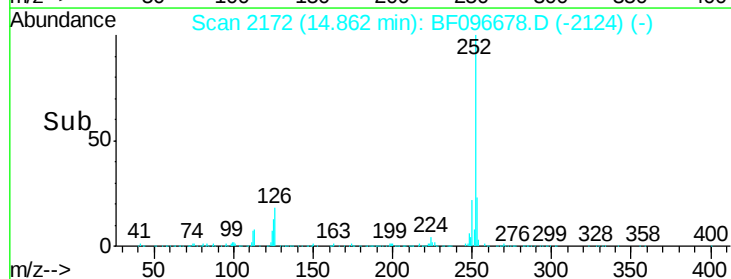
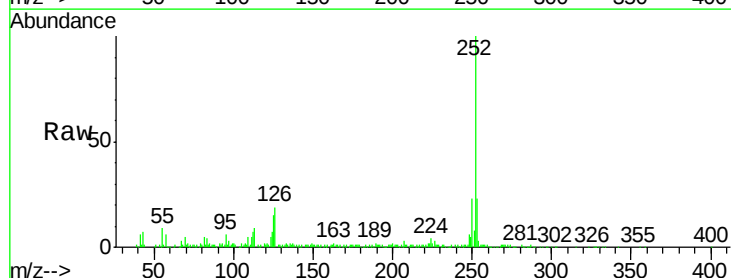
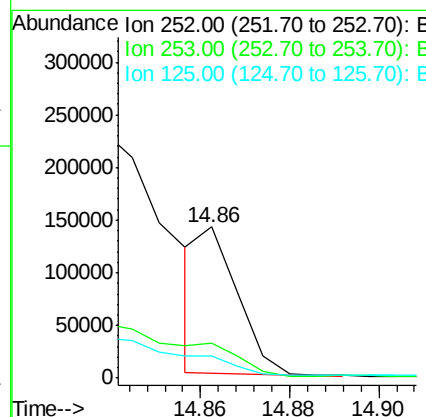
RT: 14.86 min Scan# 2172

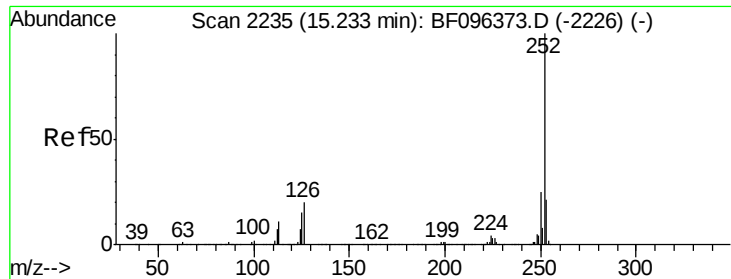
Delta R.T. -0.02 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	83493		
253	23.2	18.4	27.6	
125	14.9	13.1	19.7	





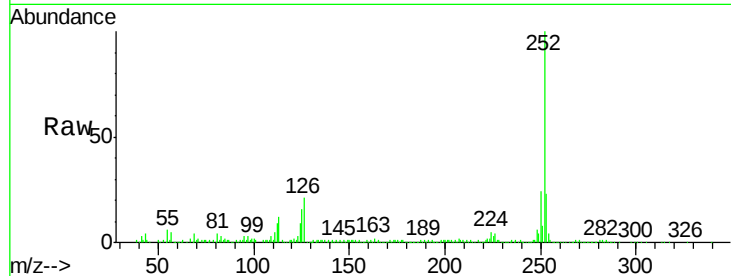
#89
Benzo(a)pyrene
Concen: 24.879 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-HS2-ESW

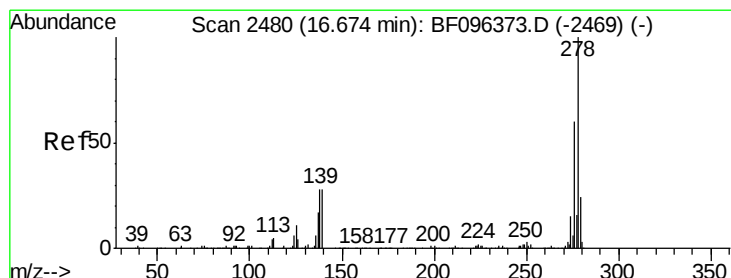
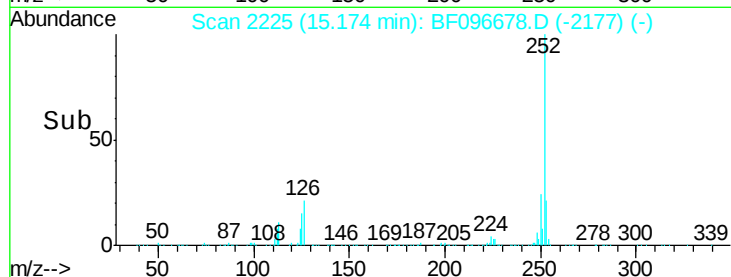
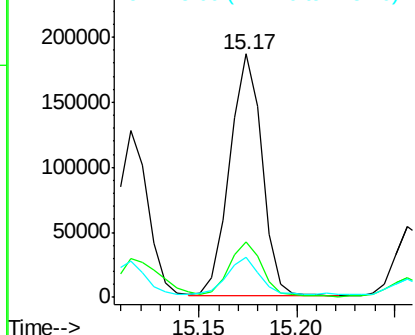
Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.6	17.5	26.3
125	16.3	11.0	16.4

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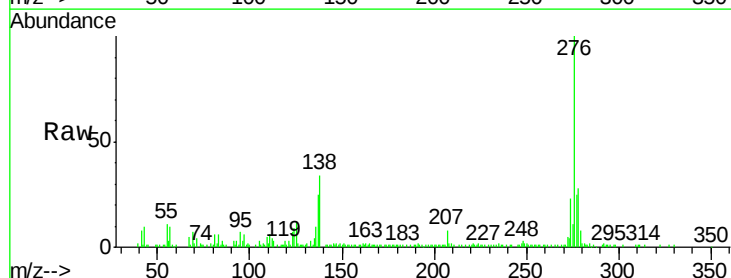


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

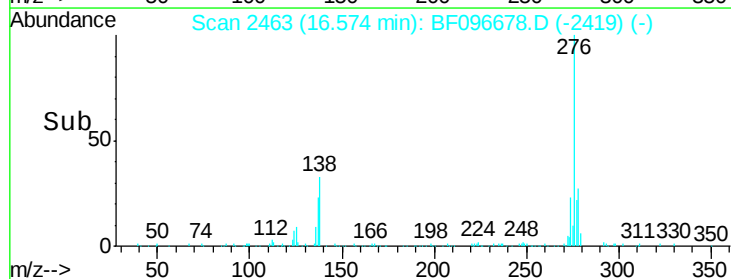
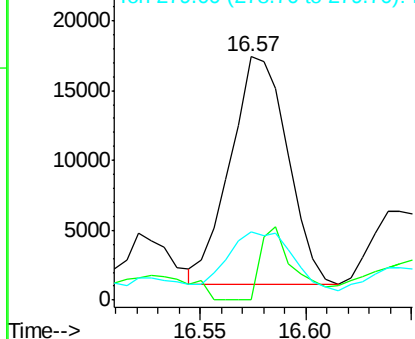


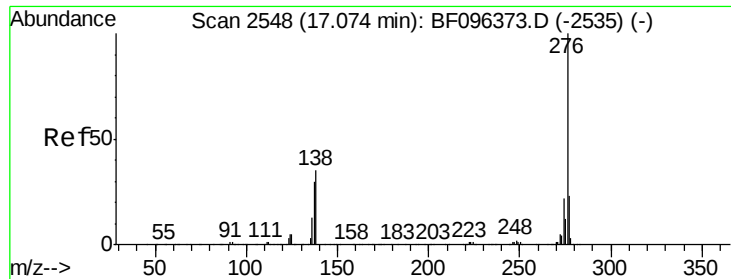
#90
Dibenzo(a,h)anthracene
Concen: 4.540 ng
RT: 16.57 min Scan# 2463
Delta R.T. -0.04 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	0.0	16.6	24.8#
279	28.2	19.3	28.9



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 14.537 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.03 min
 Lab File: BF096678.D
 Acq: 12 Jul 2017 7:55

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS2-ESW

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.0	18.6	28.0
138	32.0	25.4	38.0

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