

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
 Data File : BF087614.D
 Acq On : 1 Jun 2016 10:02
 Operator : UM/SJ
 Sample : H3190-10DL 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1696(0-4)

Manual Integrations
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Quant Time: Jun 01 14:15:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 01 13:33:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	101345	20.00	ng	-0.01
21) Naphthalene-d8	9.47	136	409029	20.00	ng	0.00
38) Acenaphthene-d10	12.30	164	179536	20.00	ng	-0.01
63) Phenanthrene-d10	14.70	188	289189	20.00	ng	-0.01
75) Chrysene-d12	18.41	240	220886	20.00	ng	-0.01
86) Perylene-d12	20.10	264	186445	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	28030	4.86	ng	0.11
7) Phenol-d6	7.08	99	59729	7.66	ng	0.07
23) Nitrobenzene-d5	8.44	82	43783	5.39	ng	0.07
41) 2,4,6-Tribromophenol	13.62	330	12425	7.20	ng	0.01
44) 2-Fluorobiphenyl	11.26	172	104227	8.18	ng	0.00
78) Terphenyl-d14	17.06	244	67583	6.50	ng	0.00
Target Compounds						
70) Phenanthrene	14.74	178	247350	15.44	ng	Qvalue 99
71) Anthracene	14.85	178	78714	4.86	ng	99
74) Fluoranthene	16.51	202	495291	30.83	ng	94
77) Pyrene	16.81	202	518430	32.61	ng	# 96
80) Benzo(a)anthracene	18.40	228	246257	19.60	ng	98
82) Chrysene	18.46	228	239653m	19.22	ng	
85) Indeno(1,2,3-cd)pyrene	21.35	276	91056	9.11	ng	# 89
87) Benzo(b)fluoranthene	19.69	252	258494m	21.77	ng	
88) Benzo(k)fluoranthene	19.73	252	92758m	9.07	ng	
89) Benzo(a)pyrene	20.05	252	186912	18.20	ng	98
90) Dibenzo(a,h)anthracene	21.35	278	29528m	3.37	ng	
91) Benzo(a,h,i)perylene	21.70	276	84168	9.74	ng	92

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

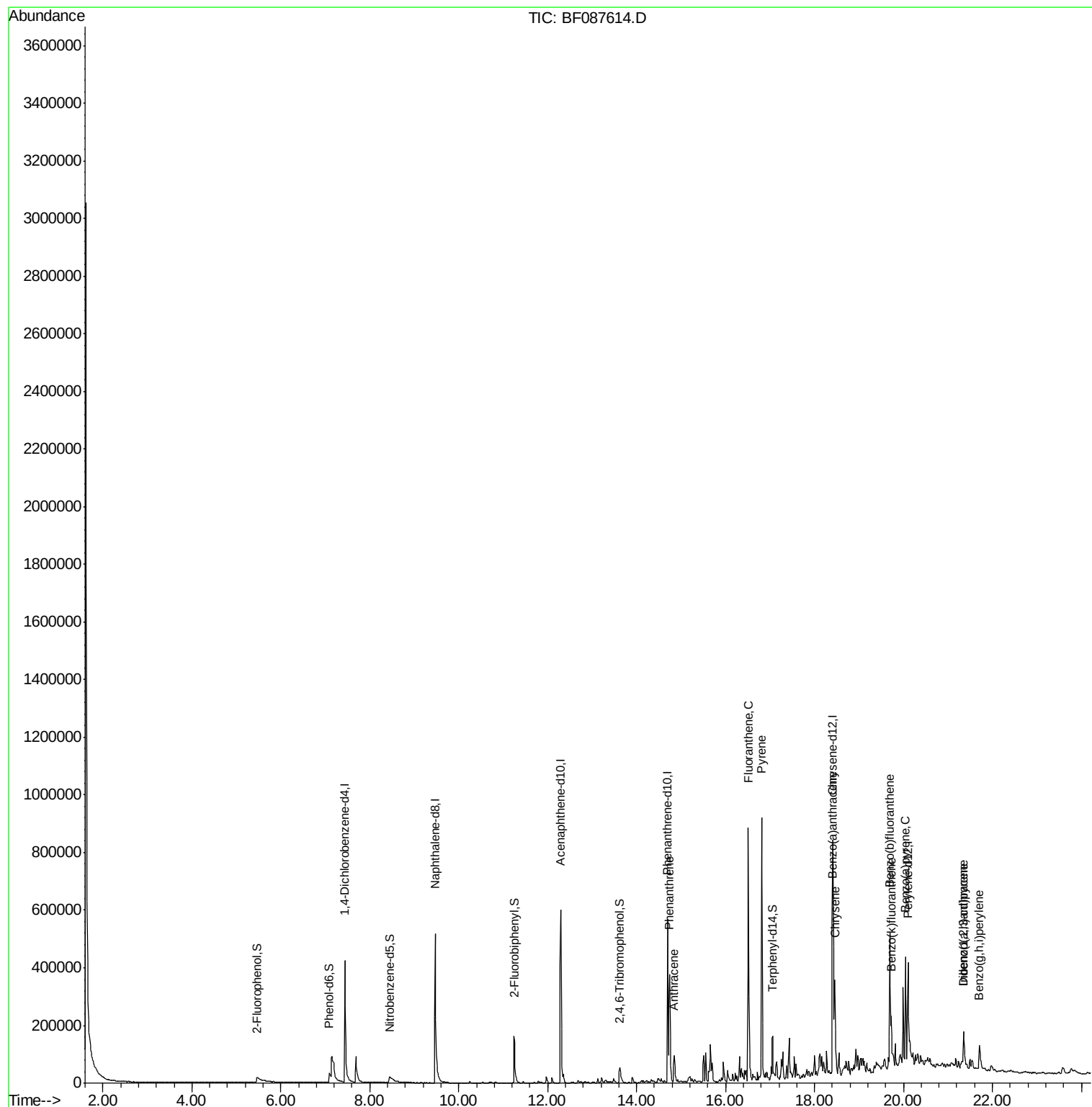
Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
Data File : BF087614.D
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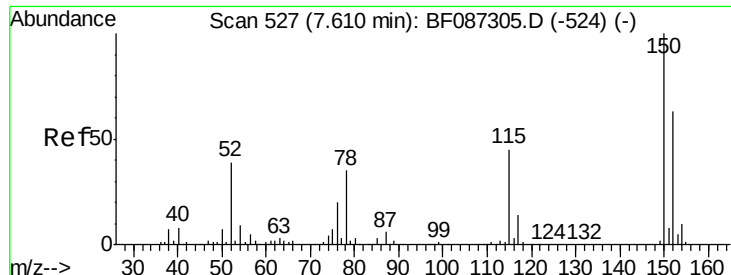
Instrument :
BNA_F
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CHS-STA-1696(0-4)

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Quant Time: Jun 01 14:15:26 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

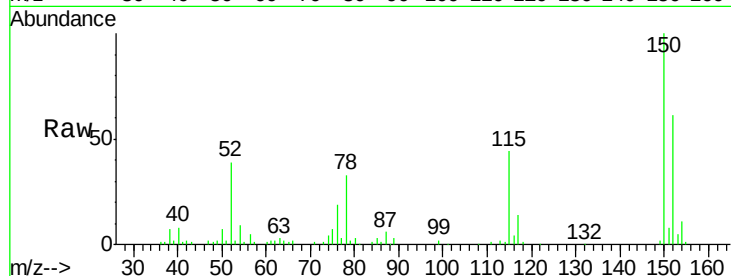
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.44 min Scan# 512
Delta R.T. -0.01 min
Lab File: BF087614.D
Acq: 1 Jun 2016 10:02

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.0	125.8	188.6
115	71.6	51.5	77.3

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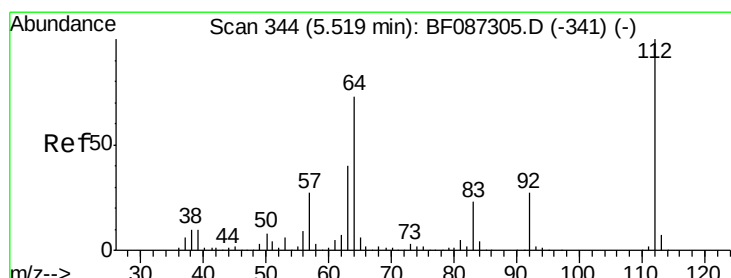
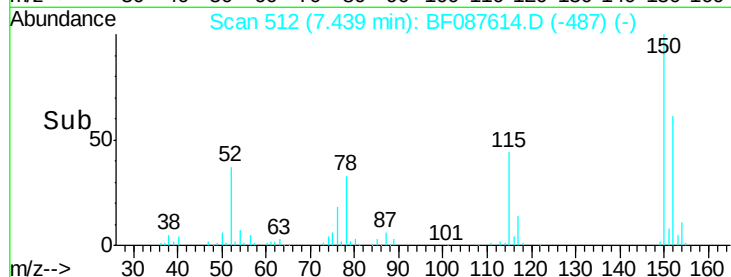
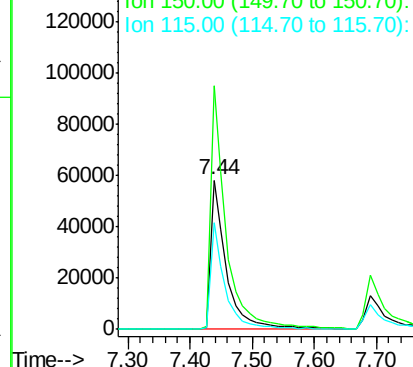


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

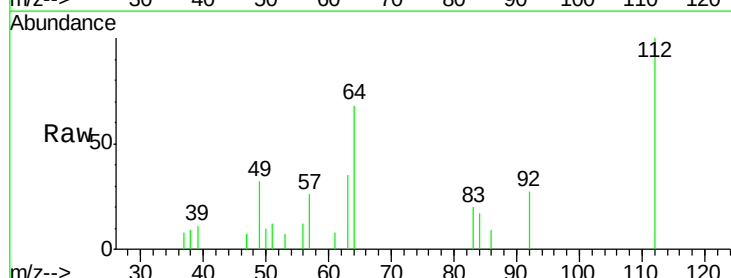
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 4.86 ng
RT: 5.46 min Scan# 339
Delta R.T. 0.11 min
Lab File: BF087614.D
Acq: 1 Jun 2016 10:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	52.1	78.1
63	35.2	25.7	38.5

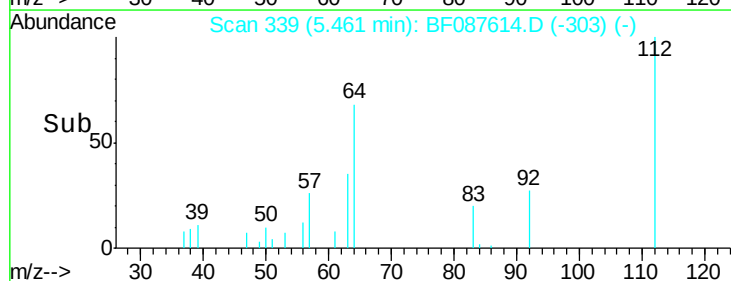
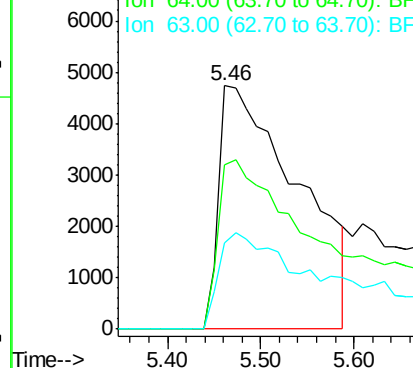


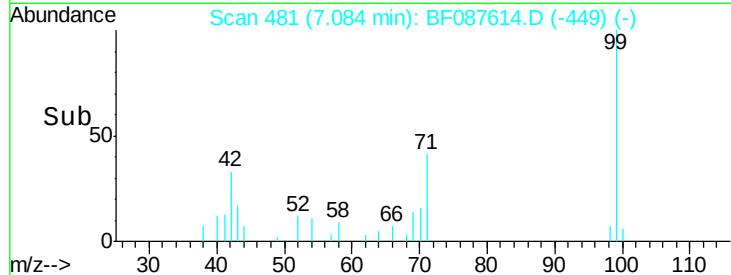
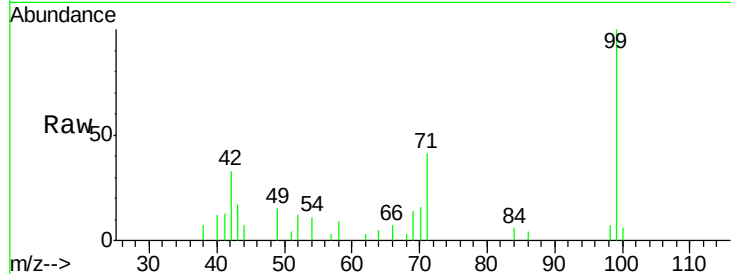
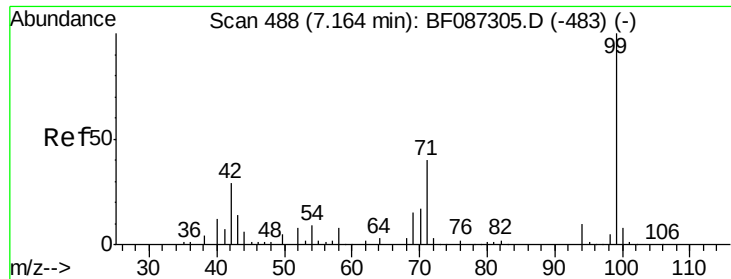
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 7.66 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.07 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		59729		
42	32.7	13.6	20.4#		
71	41.5	24.6	36.8#		

Instrument :

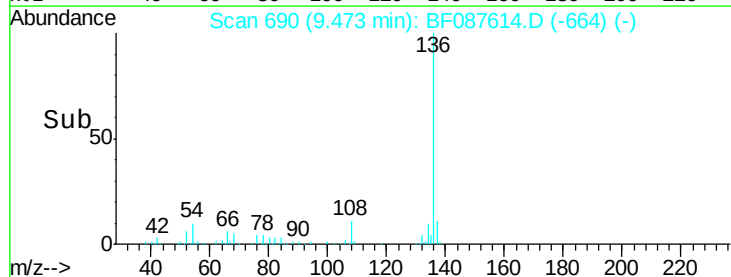
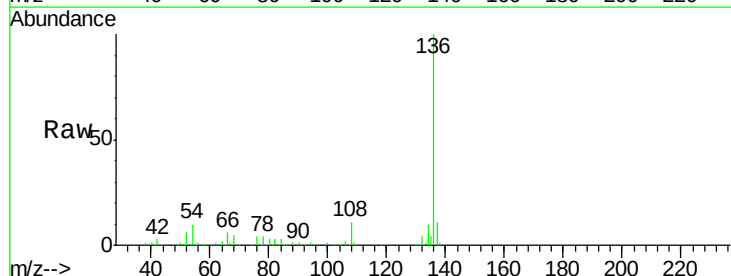
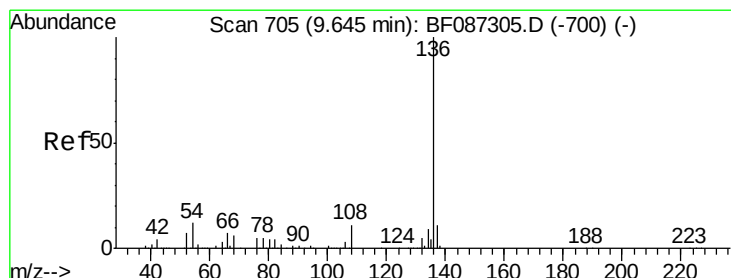
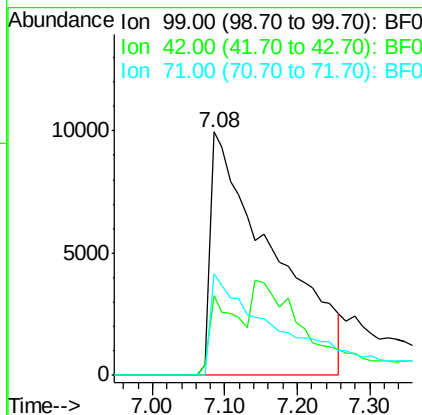
BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

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#21

Naphthalene-d8

Concen: 20.00 ng

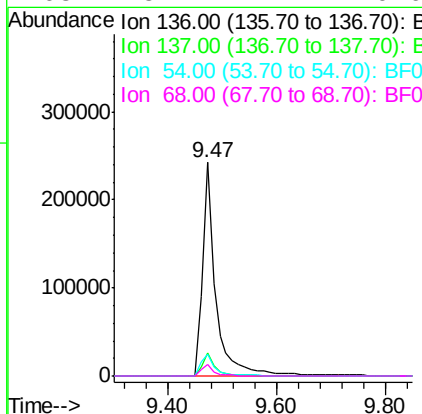
RT: 9.47 min Scan# 690

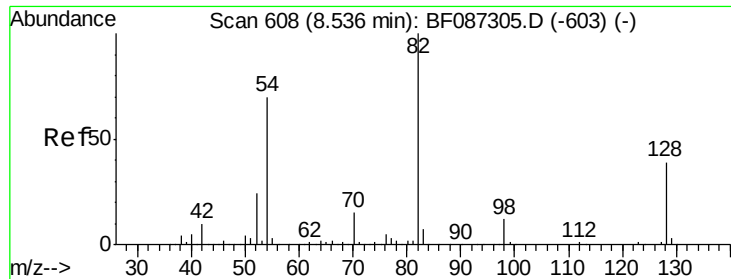
Delta R.T. -0.00 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		409029		
137	10.8	8.8	13.2		
54	10.4	5.0	7.4#		
68	5.1	4.4	6.6		





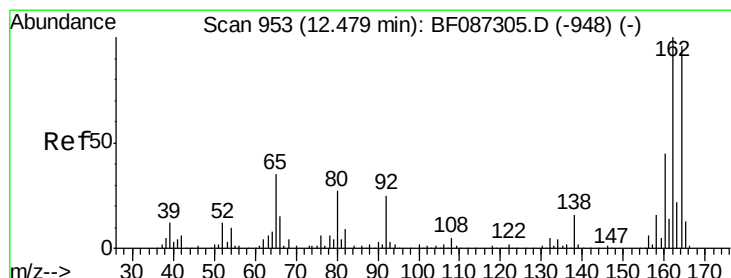
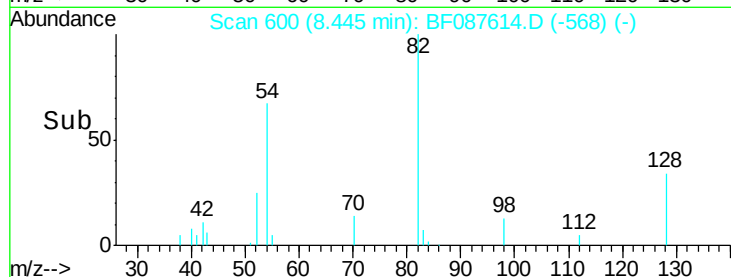
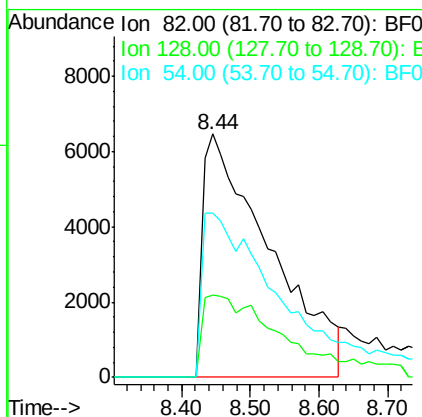
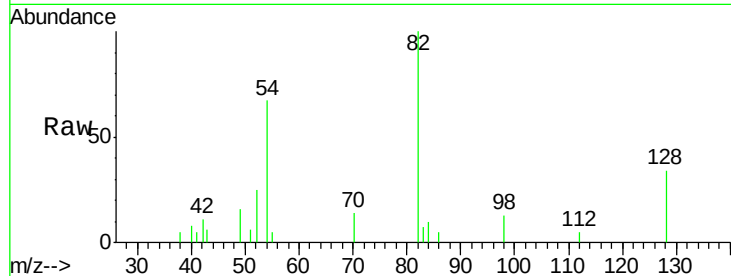
#23
 Nitrobenzene-d5
 Concen: 5.39 ng
 RT: 8.44 min Scan# 600
 Delta R.T. 0.07 min
 Lab File: BF087614.D
 Acq: 1 Jun 2016 10:02

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1696(0-4)

Tot Ion	82	Resp	43783
Ion Ratio	Lower	Upper	
82	100		
128	34.0	40.6	61.0#
54	67.4	38.1	57.1#

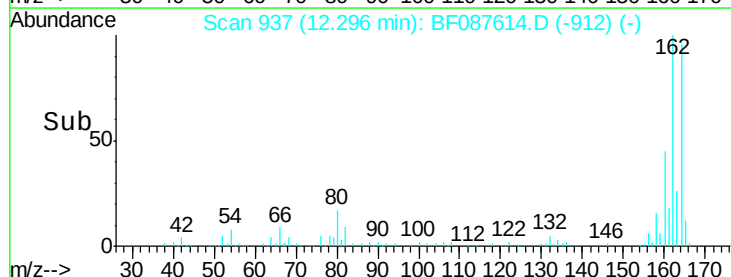
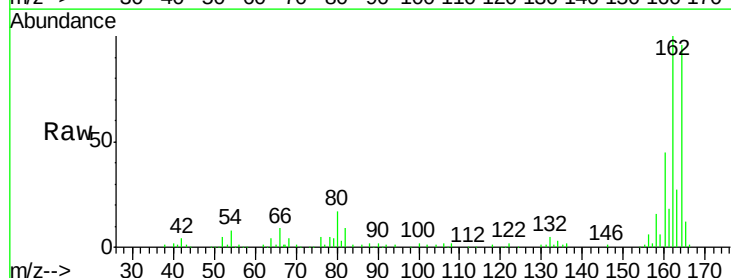
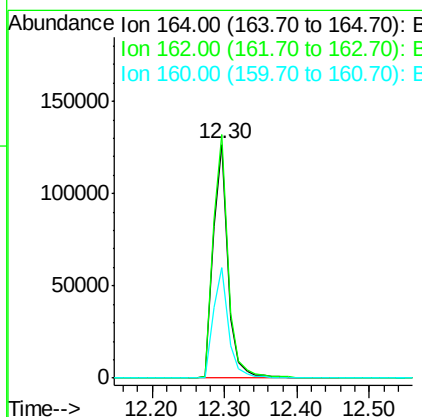
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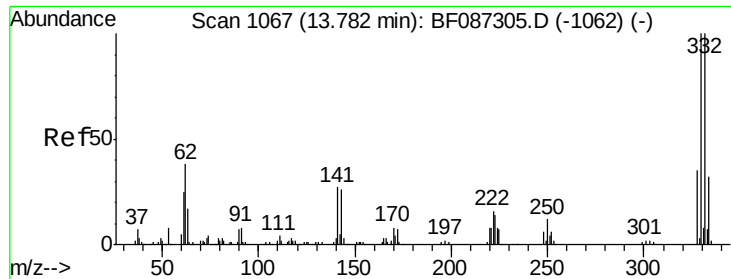
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.30 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BF087614.D
 Acq: 1 Jun 2016 10:02

Tgt Ion	164	Resp	179536
Ion Ratio	Lower	Upper	
164	100		
162	104.1	82.8	124.2
160	47.1	36.9	55.3





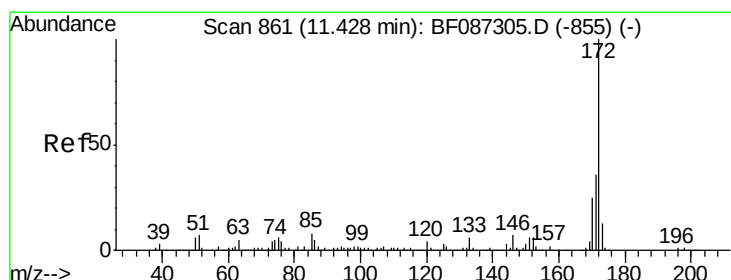
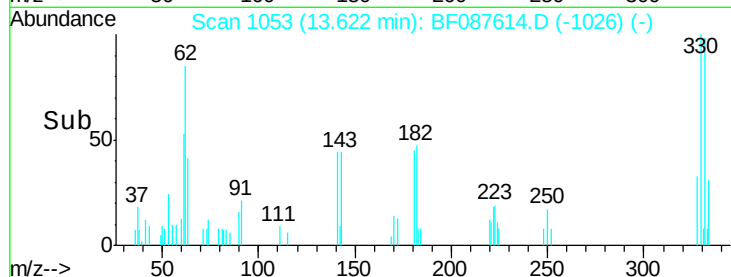
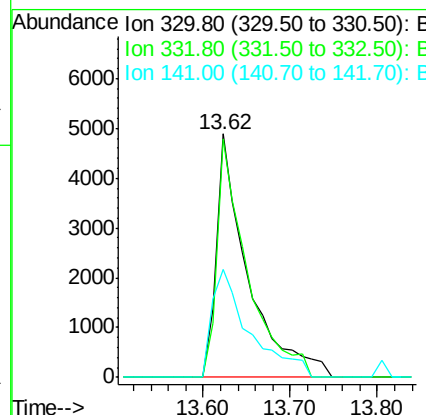
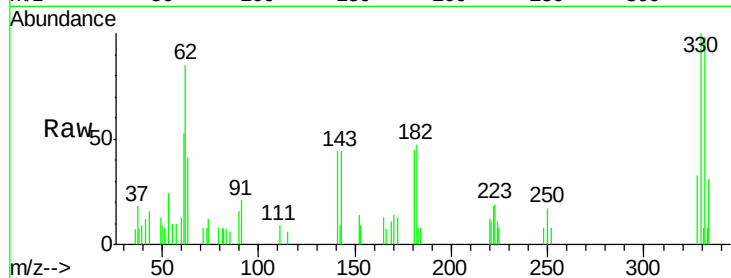
#41
 2,4,6-Tribromophenol
 Concen: 7.20 ng
 RT: 13.62 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: BF087614.D
 Acq: 1 Jun 2016 10:02

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1696(0-4)

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	79.0	118.4
141	52.4	31.2	46.8

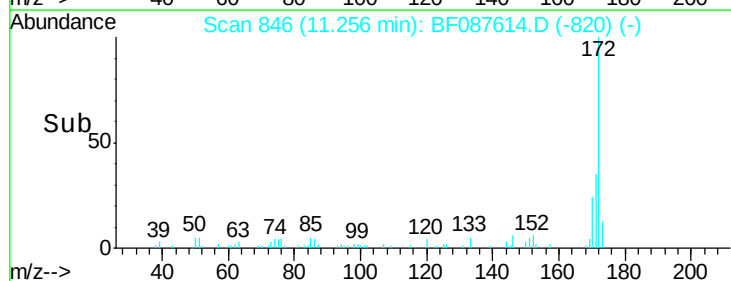
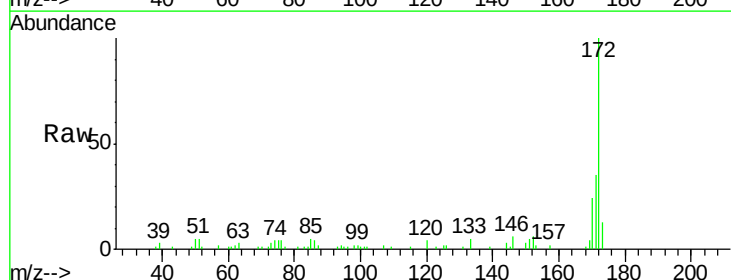
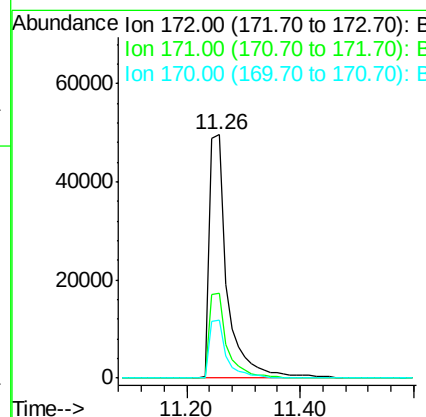
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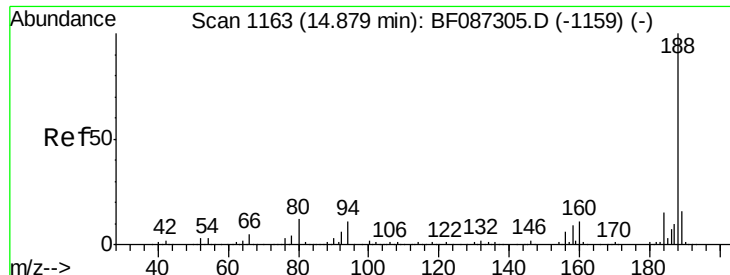
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#44
 2-Fluorobiphenyl
 Concen: 8.18 ng
 RT: 11.26 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BF087614.D
 Acq: 1 Jun 2016 10:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.0	43.6
170	24.1	19.8	29.8





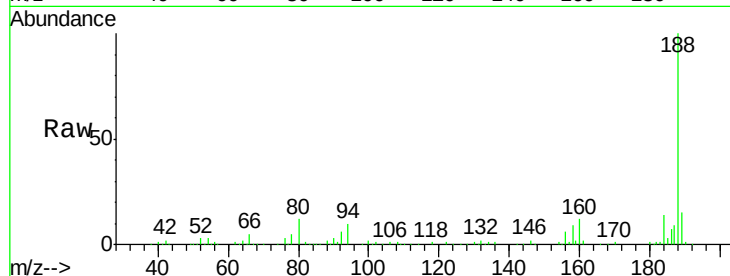
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.70 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BF087614.D
 Acq: 1 Jun 2016 10:02

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1696(0-4)

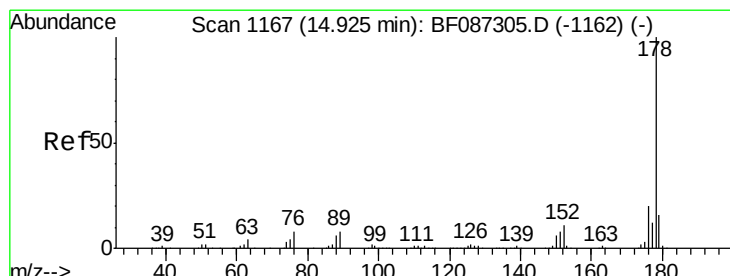
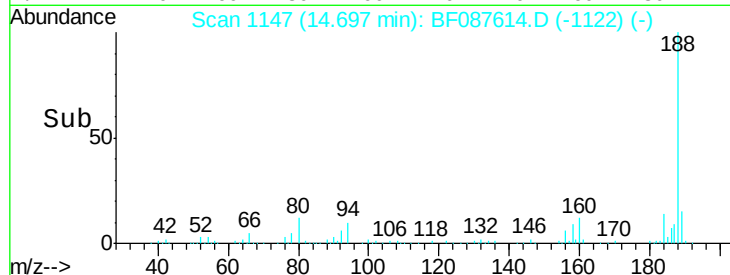
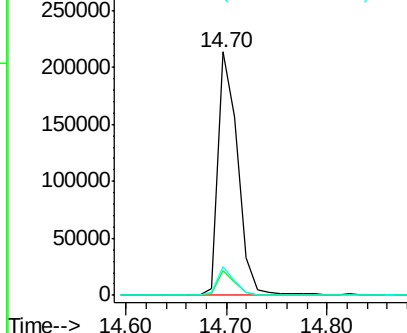
Tot Ion	Ratio	Resp	Lower	Upper
188	100	289189		
94	10.3	6.8	10.2	
80	11.7	7.1	10.7	

Manual Integrations
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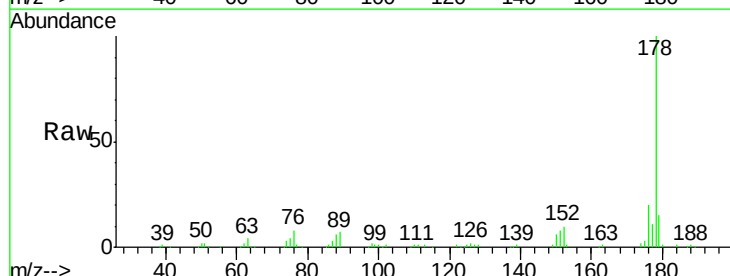


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

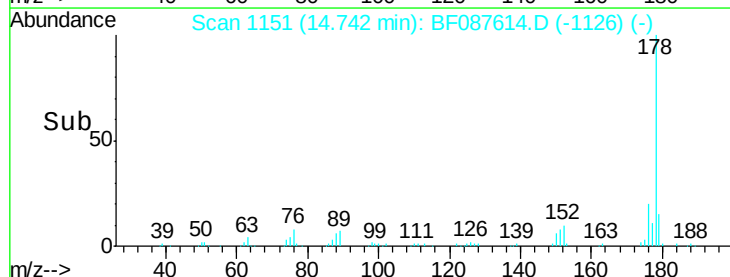
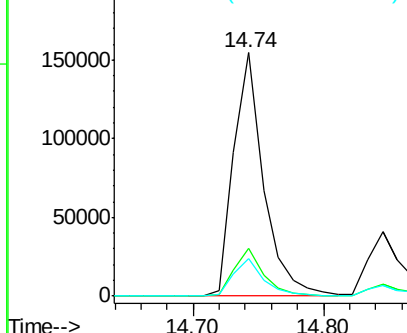


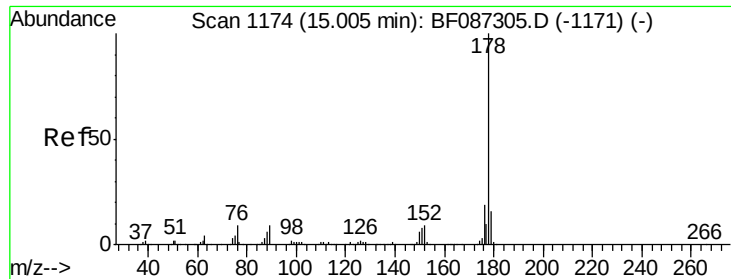
#70
 Phenanthrene
 Concen: 15.44 ng
 RT: 14.74 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BF087614.D
 Acq: 1 Jun 2016 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	247350		
176	19.7	16.0	24.0	
179	15.3	12.6	18.8	



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





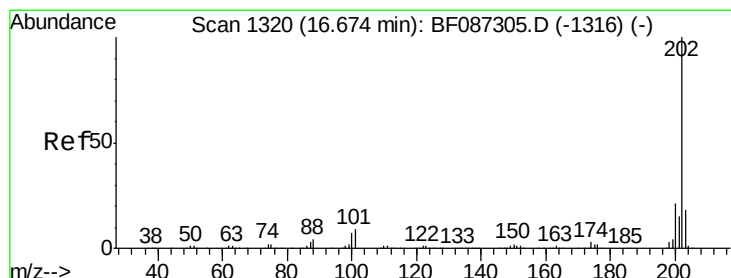
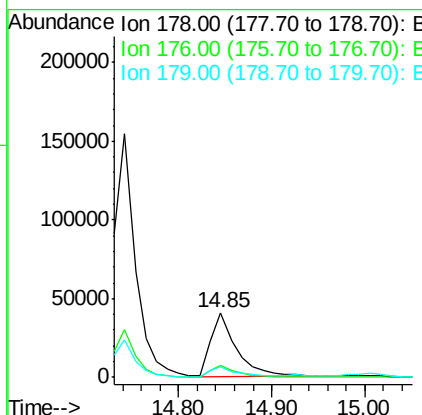
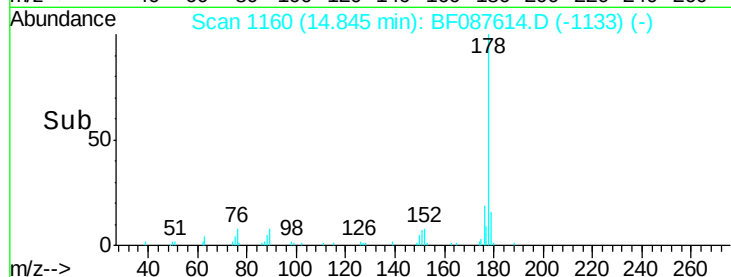
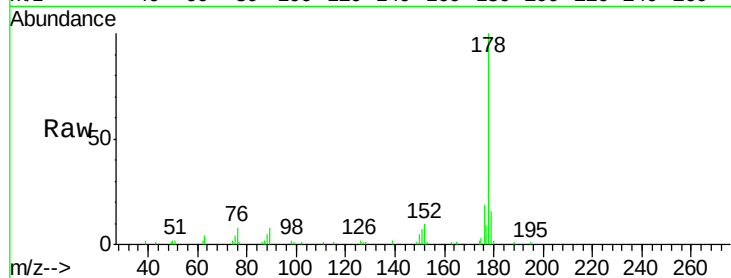
#71
 Anthracene
 Concen: 4.86 ng
 RT: 14.85 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: BF087614.D
 Acq: 1 Jun 2016 10:02

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1696(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	16.2	12.7	19.1

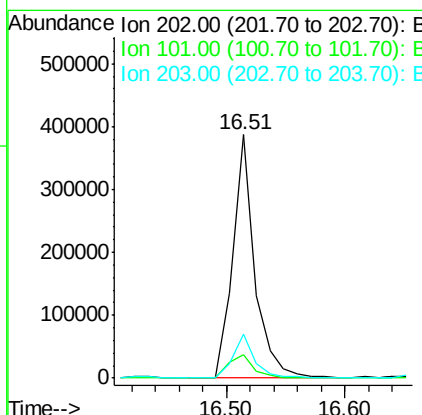
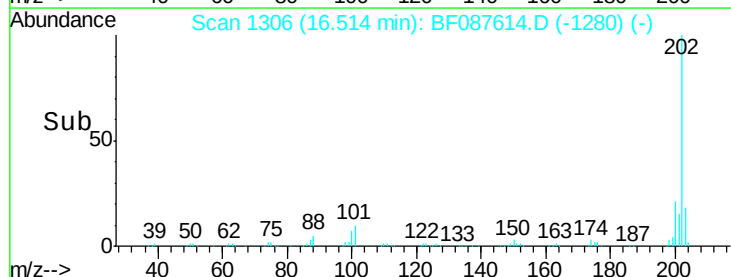
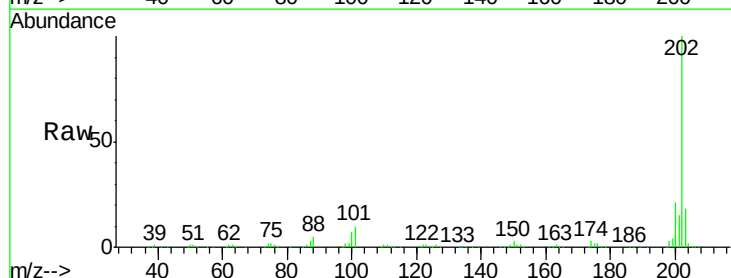
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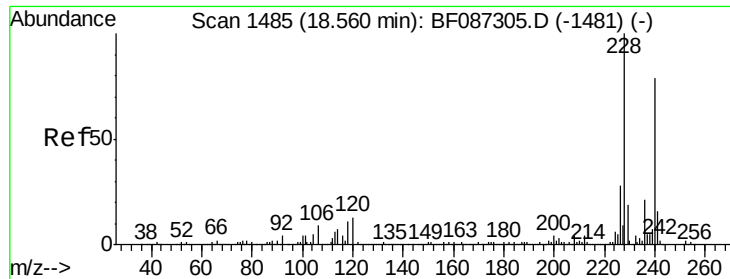
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#74
 Fluoranthene
 Concen: 30.83 ng
 RT: 16.51 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF087614.D
 Acq: 1 Jun 2016 10:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	35.4
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.41 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

Instrument :

BNA_F

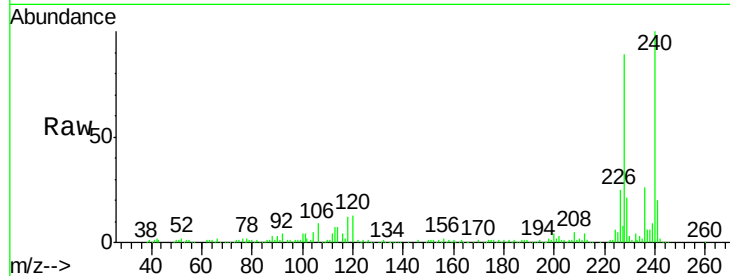
ClientSampleId :

CHS-STA-1696(0-4)

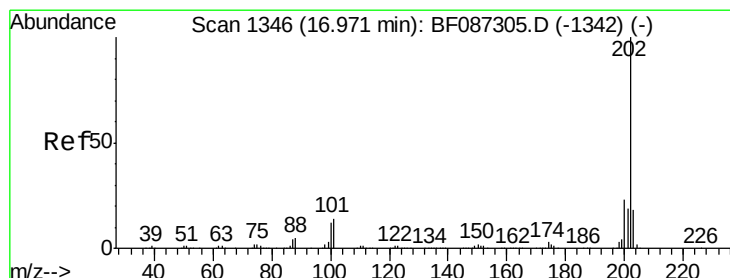
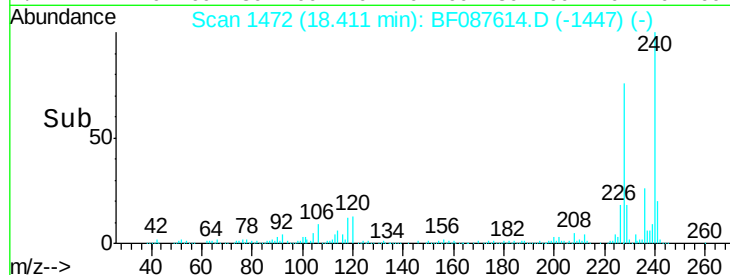
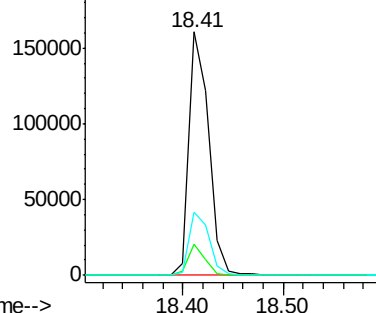
Tot Ion:	240	Resp:	220886
Ion Ratio		Lower	Upper
240	100		
120	12.6	11.2	16.8
236	25.9	21.2	31.8

Manual Integrations
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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: 32.61 ng

RT: 16.81 min Scan# 1332

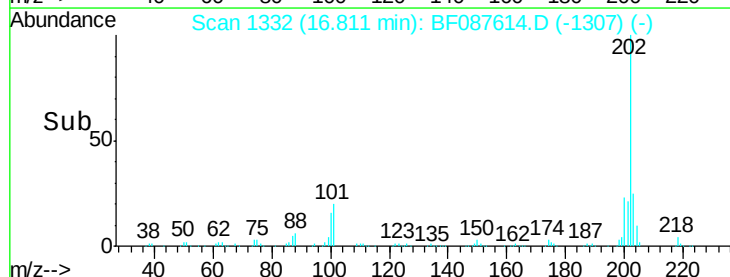
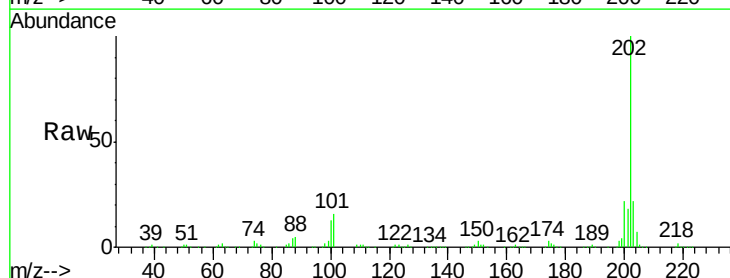
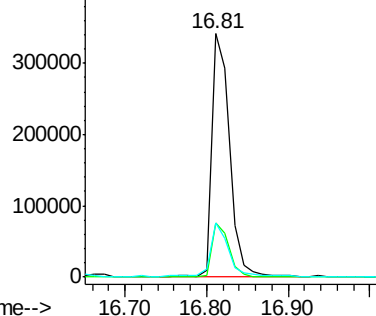
Delta R.T. -0.01 min

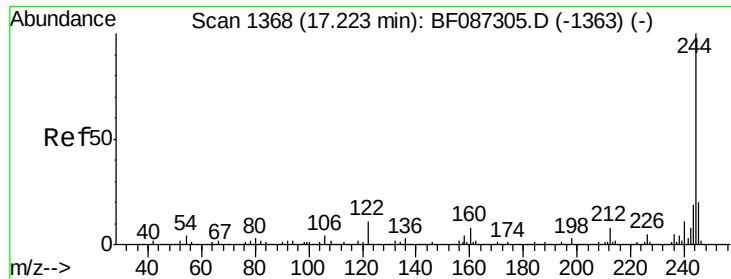
Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

Tgt Ion:	202	Resp:	518430
Ion Ratio		Lower	Upper
202	100		
200	22.0	17.7	26.5
203	22.1	14.2	21.4#

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





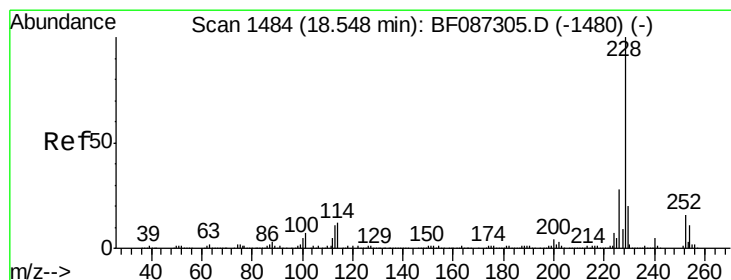
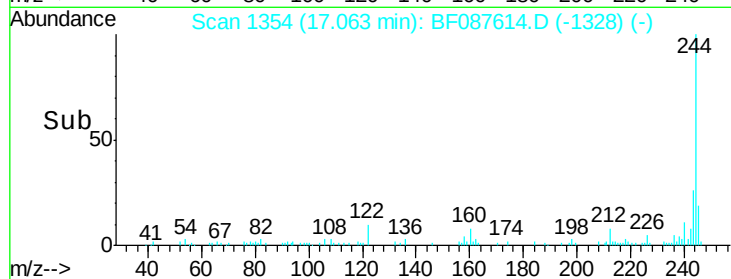
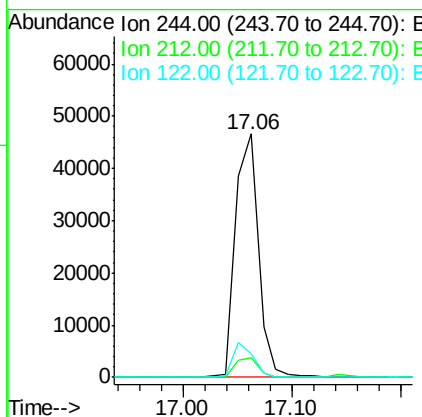
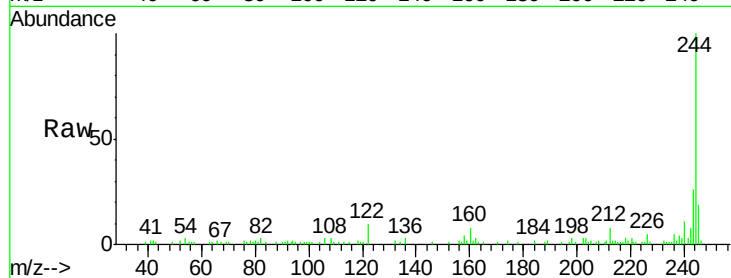
#78
 Terphenyl-d14
 Concen: 6.50 ng
 RT: 17.06 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: BF087614.D
 Acq: 1 Jun 2016 10:02

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1696(0-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	9.5	12.0	18.0

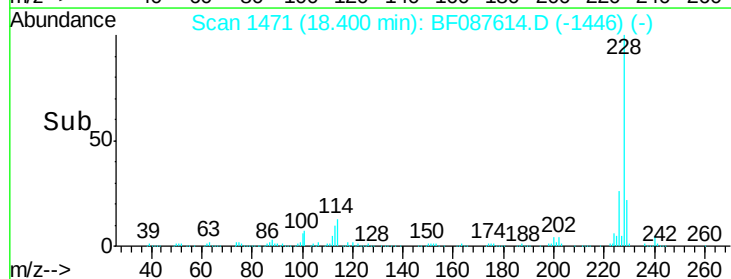
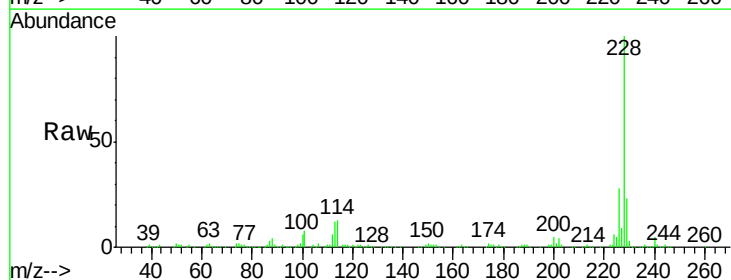
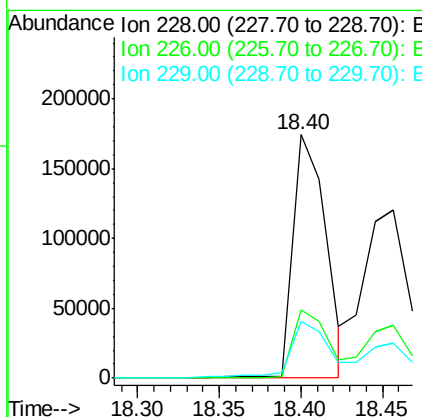
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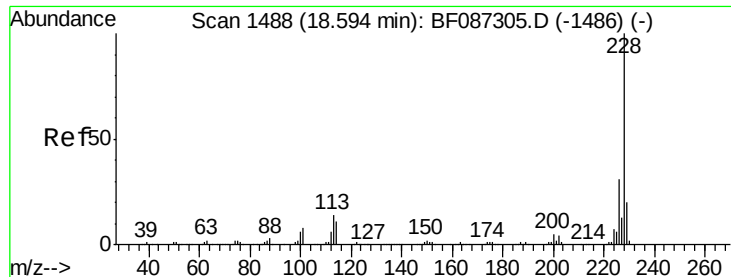
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#80
 Benzo(a)anthracene
 Concen: 19.60 ng
 RT: 18.40 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF087614.D
 Acq: 1 Jun 2016 10:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.5	33.7
229	23.3	16.6	25.0





#82

Chrysene

Concen: 19.22 ng/mL

RT: 18.46 min Scan# 1476

Delta R.T. -0.00 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

Instrument :

BNA_F

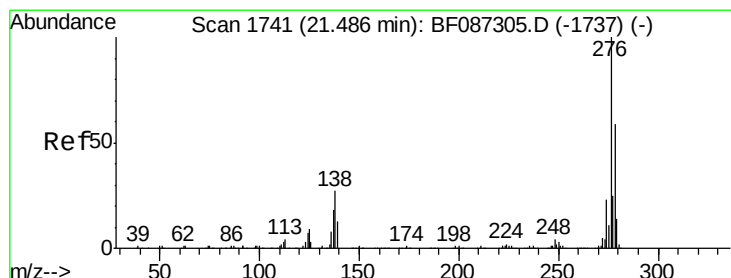
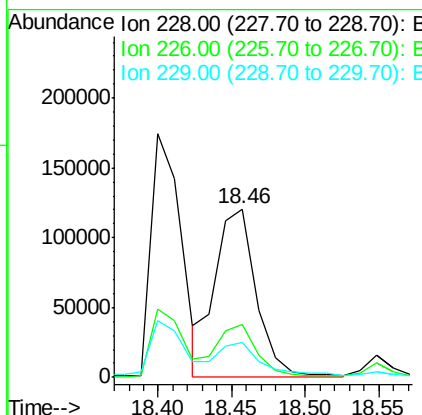
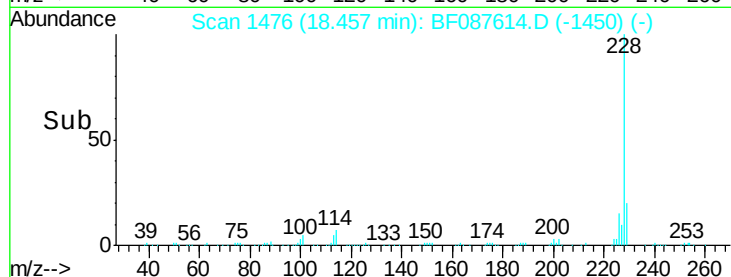
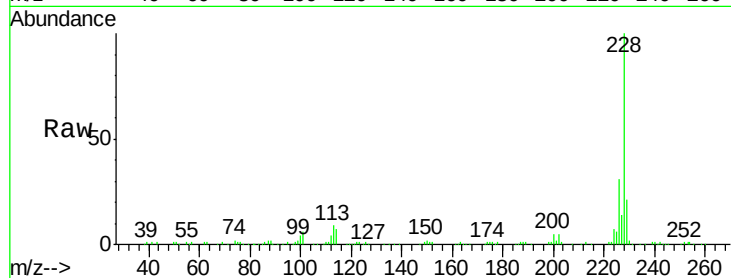
ClientSampleId :

CHS-STA-1696(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.4	36.6
229	20.6	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.11 ng/mL

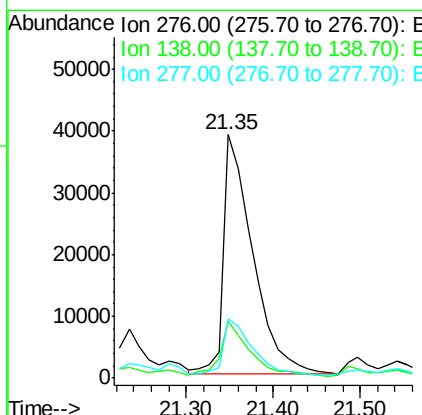
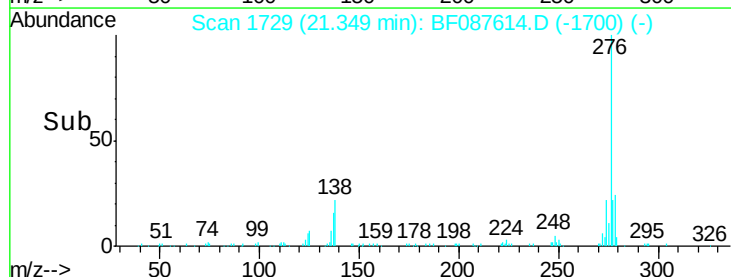
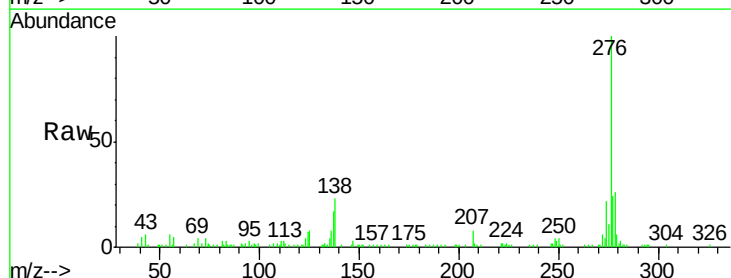
RT: 21.35 min Scan# 1729

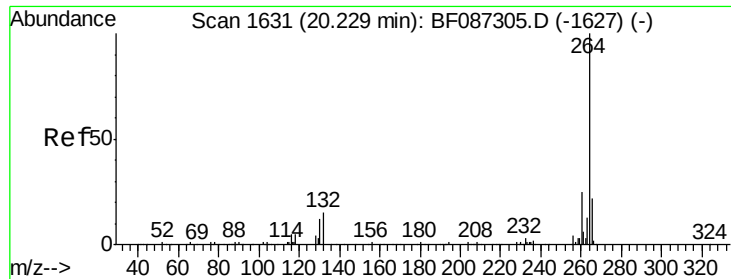
Delta R.T. 0.03 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	25.6	38.4#
277	23.7	20.5	30.7





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.10 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

Instrument :

BNA_F

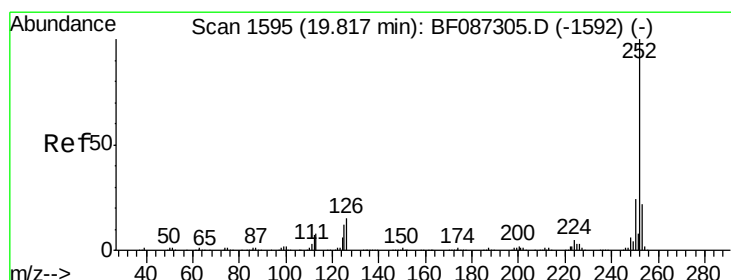
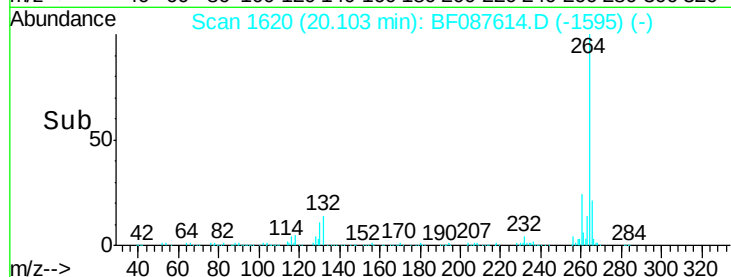
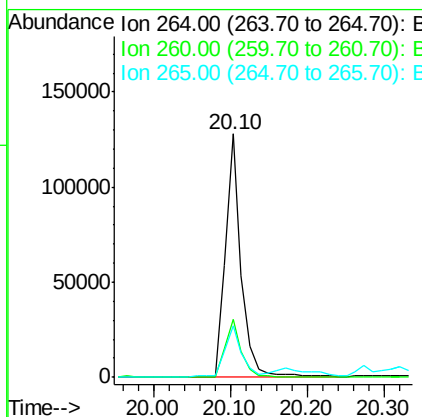
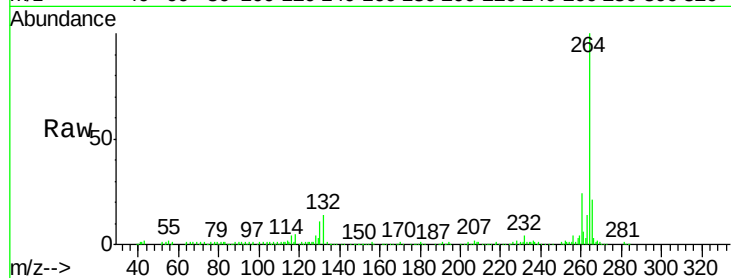
ClientSampleId :

CHS-STA-1696(0-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	23.7		19.5	29.3	
265	21.1		17.3	25.9	

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#87

Benzo(b)fluoranthene

Concen: 21.77 ng m

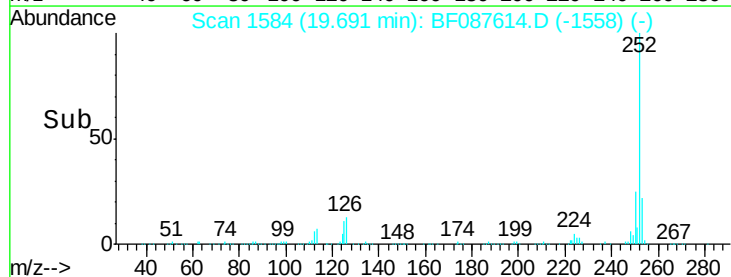
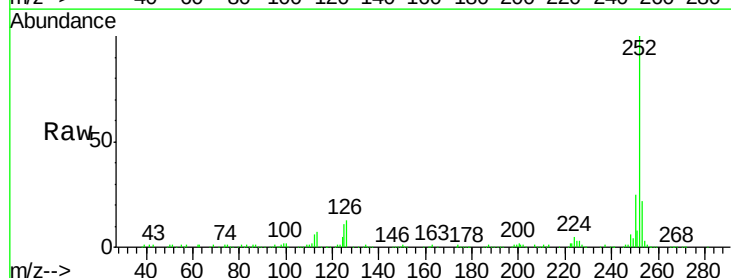
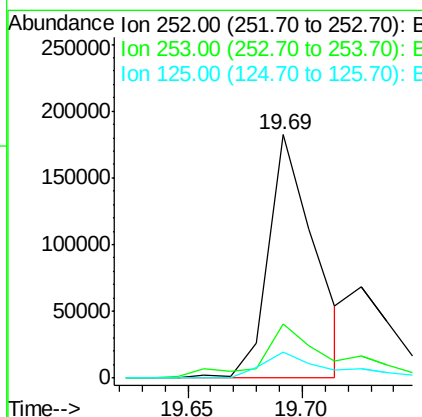
RT: 19.69 min Scan# 1584

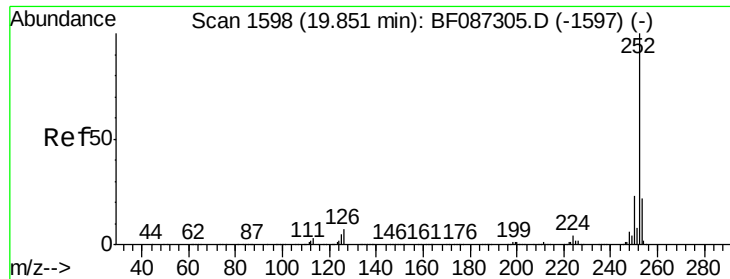
Delta R.T. -0.00 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	22.1		17.8	26.6	
125	10.8		11.4	17.0	





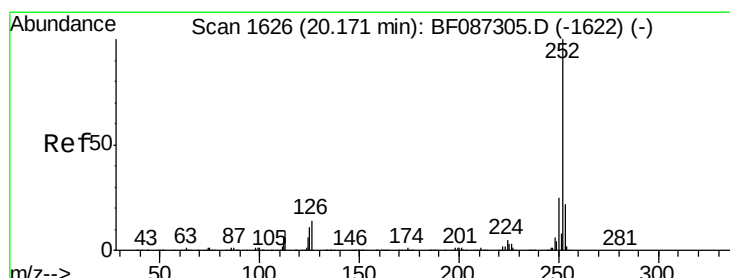
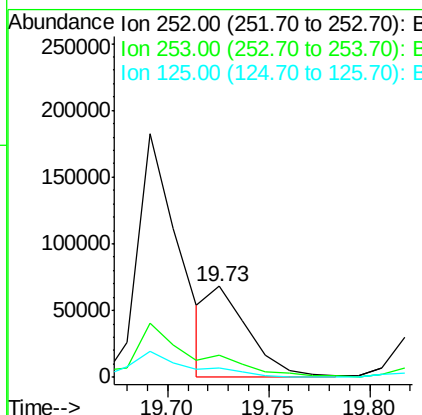
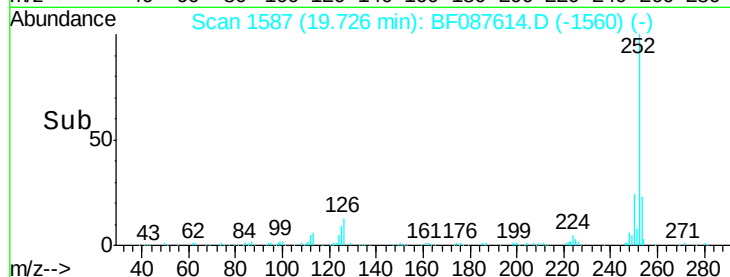
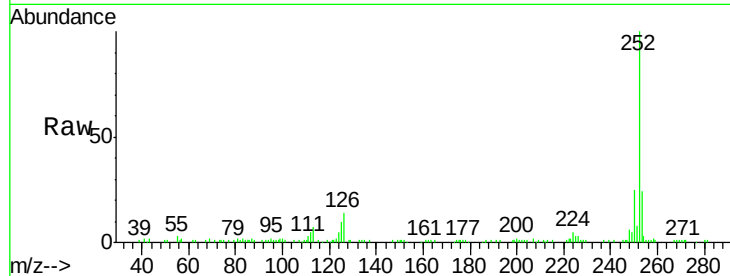
#88
Benzo(k)fluoranthene
Concen: 9.07 ng m
RT: 19.73 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF087614.D
Acq: 1 Jun 2016 10:02

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	10.1	9.1	13.7

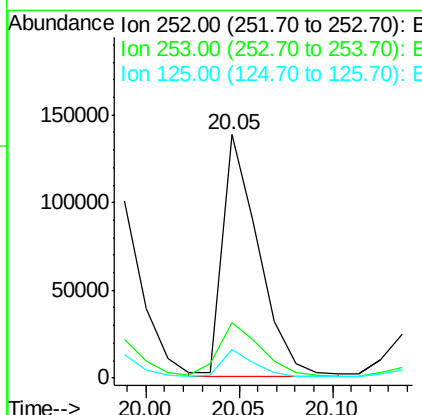
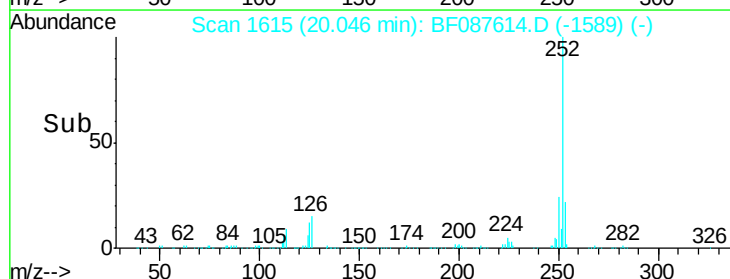
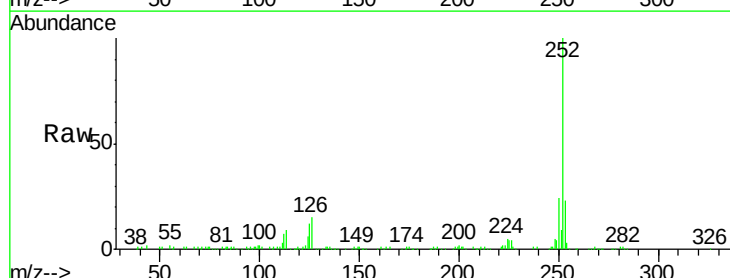
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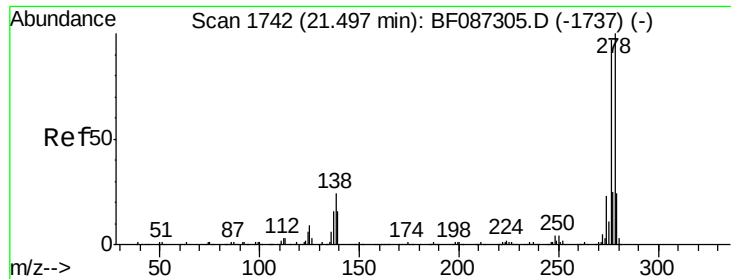
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#89
Benzo(a)pyrene
Concen: 18.20 ng
RT: 20.05 min Scan# 1615
Delta R.T. -0.00 min
Lab File: BF087614.D
Acq: 1 Jun 2016 10:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	11.8	9.0	13.6





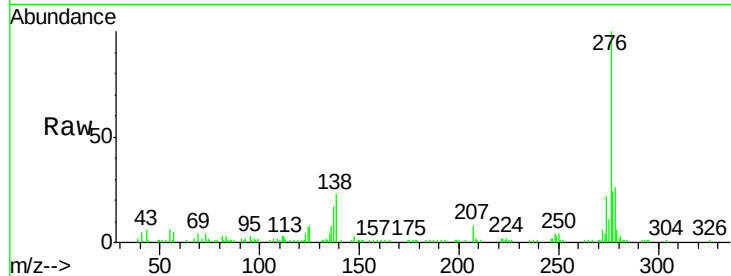
#90
Dibenzo(a,h)anthracene
Concen: 3.37 ng/mL
RT: 21.35 min Scan# 1729
Delta R.T. 0.05 min
Lab File: BF087614.D
Acq: 1 Jun 2016 10:02

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

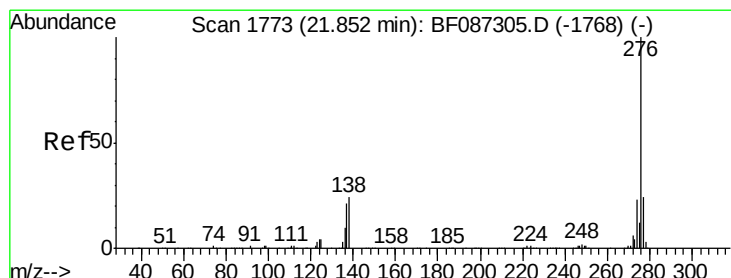
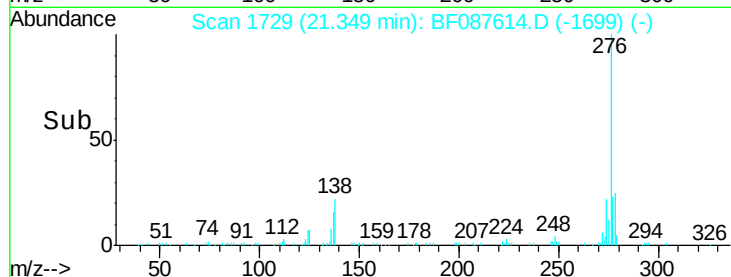
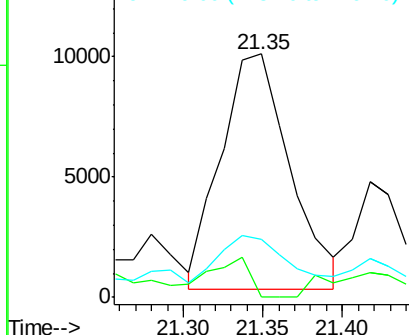
Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8
279	23.6	19.6	29.4

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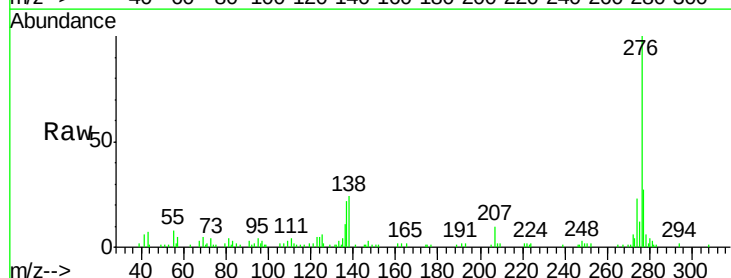


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 9.74 ng/mL
RT: 21.70 min Scan# 1760
Delta R.T. 0.02 min
Lab File: BF087614.D
Acq: 1 Jun 2016 10:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.6	29.4
138	24.2	23.6	35.4



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

