

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
 Data File : BF087618.D
 Acq On : 1 Jun 2016 12:17
 Operator : UM/SJ
 Sample : H3190-13RE
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1672(0-4)RE

Manual Integrations
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Quant Time: Jun 01 14:38:03 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	128480	20.00	ng	-0.08
21) Naphthalene-d8	9.47	136	527855	20.00	ng	-0.08
38) Acenaphthene-d10	12.30	164	216359	20.00	ng	-0.09
63) Phenanthrene-d10	14.70	188	332665	20.00	ng	-0.08
75) Chrysene-d12	18.41	240	281353	20.00	ng	-0.07
86) Perylene-d12	20.10	264	228966	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	410541	56.15	ng	-0.07
7) Phenol-d6	7.00	99	663965	67.20	ng	-0.07
23) Nitrobenzene-d5	8.36	82	403528	38.53	ng	-0.08
41) 2,4,6-Tribromophenol	13.60	330	189634	91.21	ng	-0.08
44) 2-Fluorobiphenyl	11.24	172	866441	56.46	ng	-0.09
78) Terphenyl-d14	17.06	244	991051	74.89	ng	-0.07
Target Compounds						Qvalue
48) Acenaphthylene	12.08	152	49806	2.26	ng	97
49) Dimethylphthalate	11.94	163	372344	21.48	ng	100
70) Phenanthrene	14.74	178	90635	4.92	ng	99
71) Anthracene	14.85	178	62478	3.36	ng	99
74) Fluoranthene	16.51	202	309019	16.72	ng	93
77) Pyrene	16.82	202	306581	15.14	ng	98
80) Benzo(a)anthracene	18.40	228	174721m	10.92	ng	
82) Chrysene	18.46	228	192983	12.15	ng	99
85) Indeno(1,2,3-cd)pyrene	21.35	276	80434m	6.32	ng	
87) Benzo(b)fluoranthene	19.69	252	258172m	17.70	ng	
88) Benzo(k)fluoranthene	19.73	252	77596m	6.18	ng	
89) Benzo(a)pyrene	20.05	252	126301	10.01	ng	# 89
90) Dibenzo(a,h)anthracene	21.34	278	23562	2.19	ng	94
91) Benzo(g,h,i)perylene	21.70	276	62269	5.87	ng	94

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

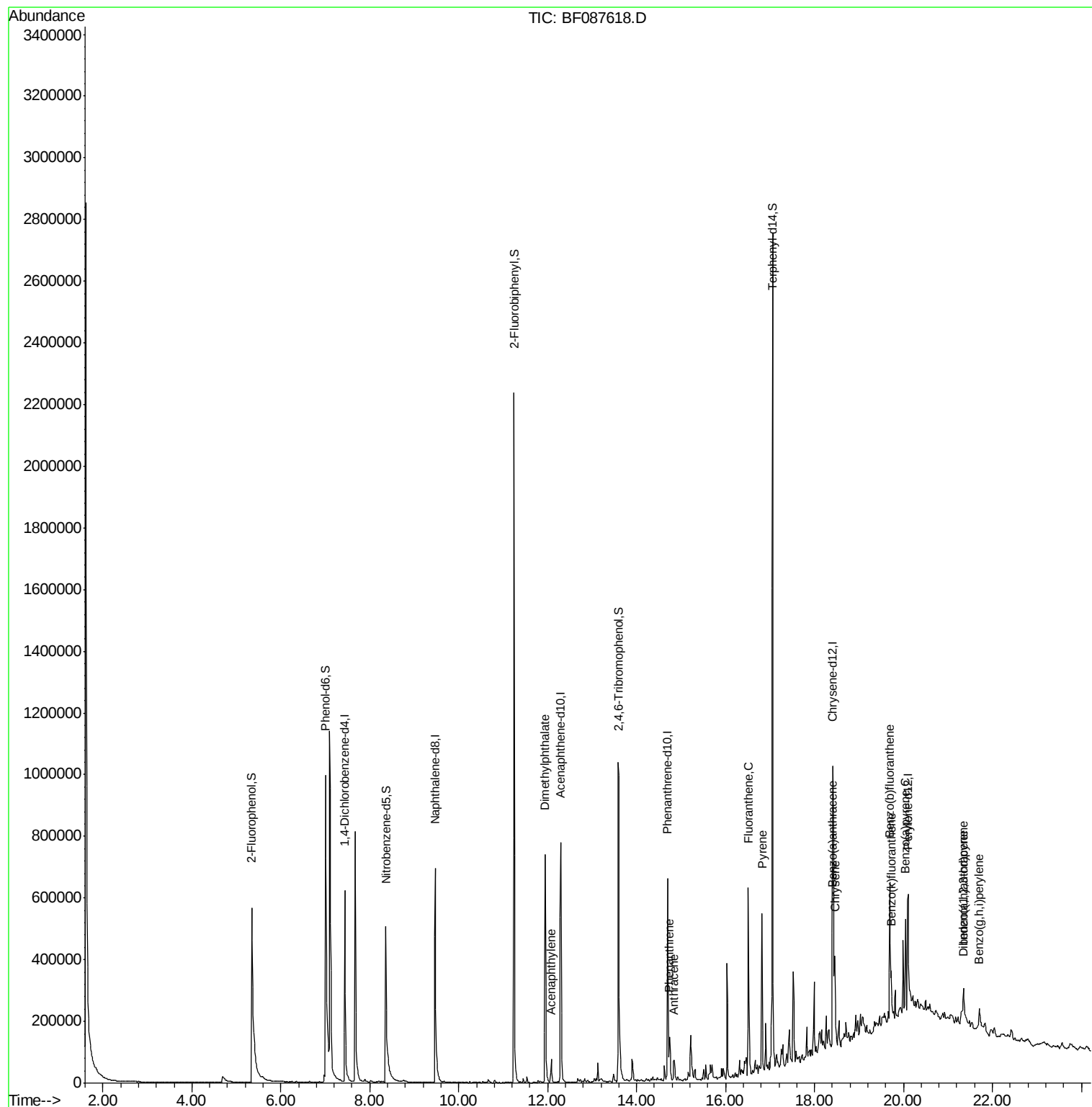
Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
Data File : BF087618.D
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ALS Vial : 33 Sample Multiplier: 1

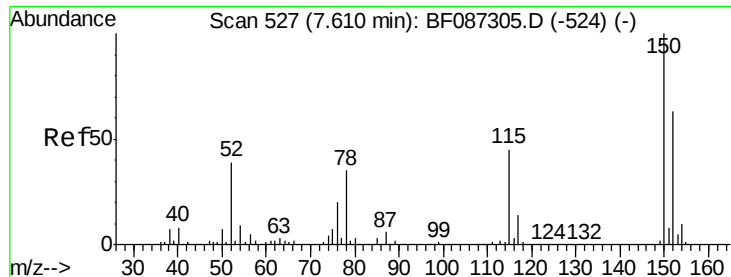
Instrument :
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#1

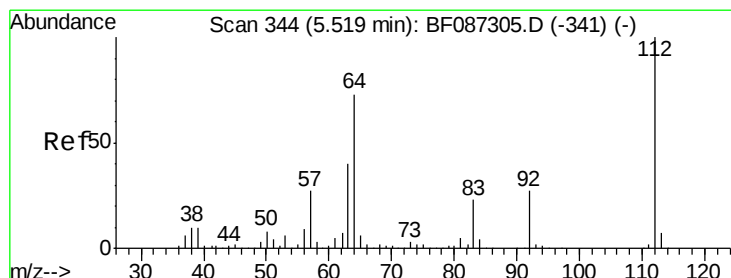
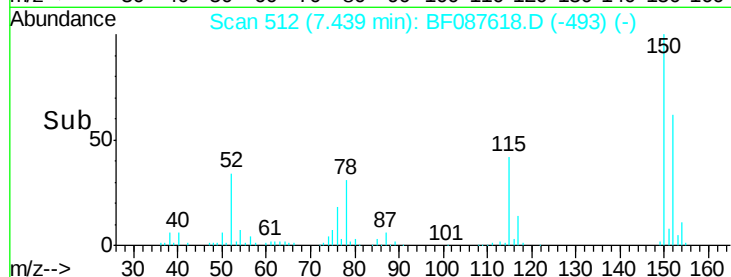
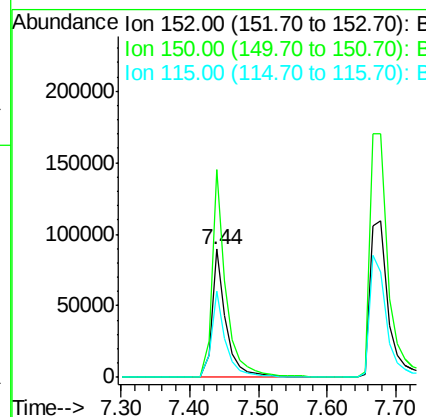
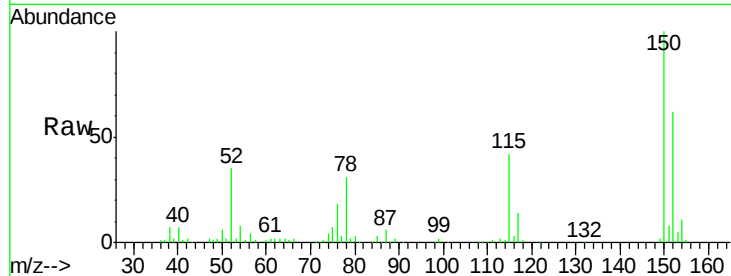
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.44 min Scan# 512
Delta R.T. -0.08 min
Lab File: BF087618.D
Acq: 1 Jun 2016 12:17

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.9	125.8	188.6
115	67.6	51.5	77.3

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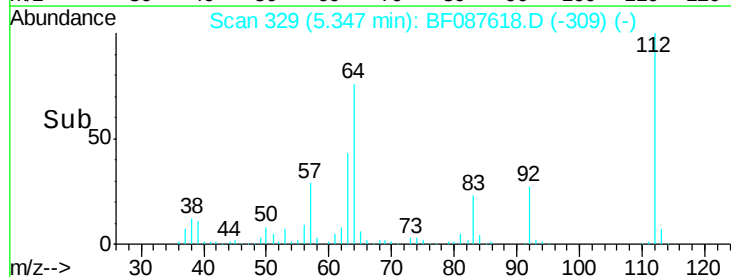
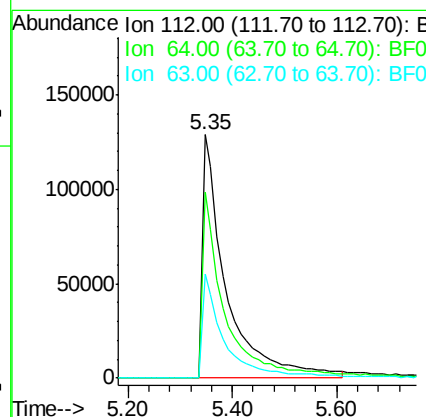
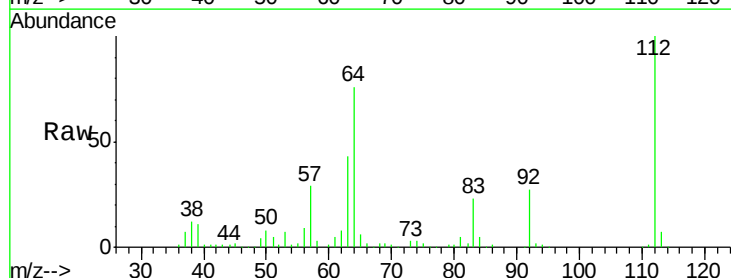
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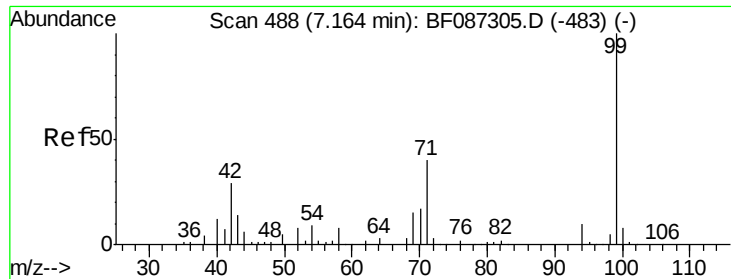


#5

2-Fluorophenol
Concen: 56.15 ng
RT: 5.35 min Scan# 329
Delta R.T. -0.07 min
Lab File: BF087618.D
Acq: 1 Jun 2016 12:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.4	52.1	78.1
63	42.9	25.7	38.5





#7

Phenol-d6

Concen: 67.20 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.07 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)RE

Tot Ion: 99 Resp: 663965

Ion Ratio Lower Upper

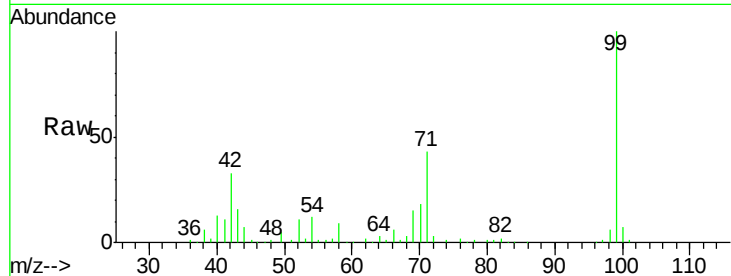
99 100

42 32.8 13.6 20.4#

71 43.2 24.6 36.8#

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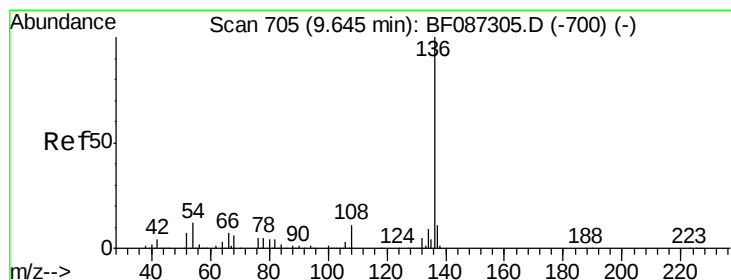
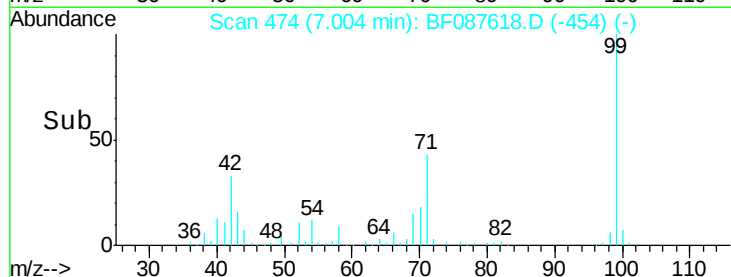
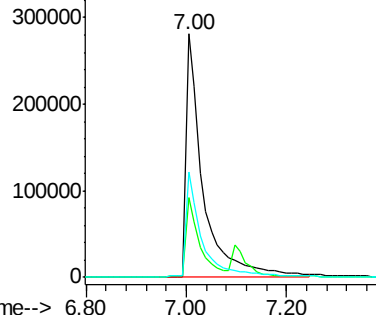
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.08 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

Tgt Ion: 136 Resp: 527855

Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 9.8 5.0 7.4#

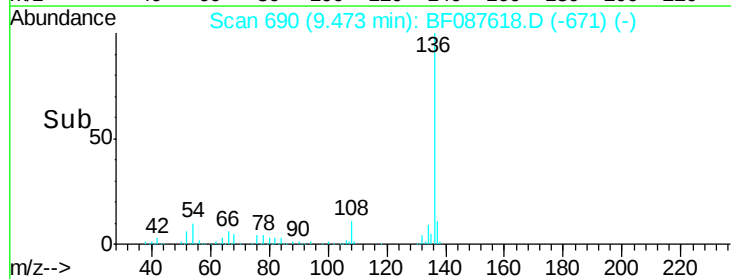
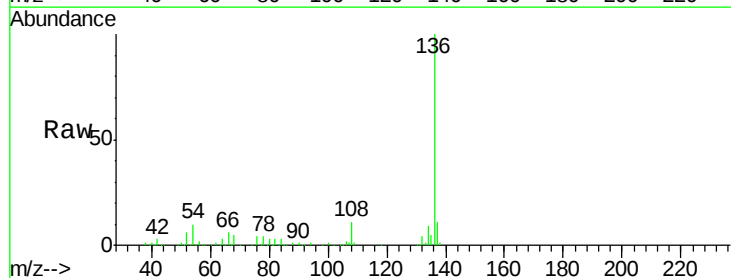
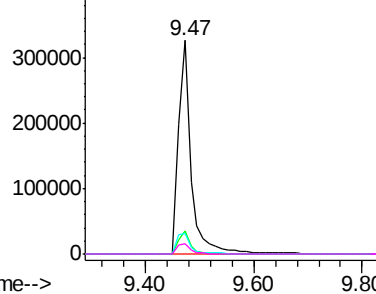
68 4.8 4.4 6.6

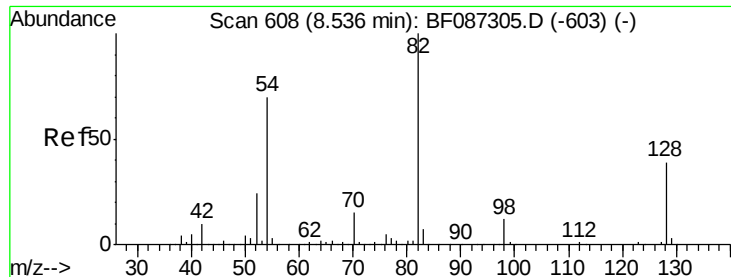
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





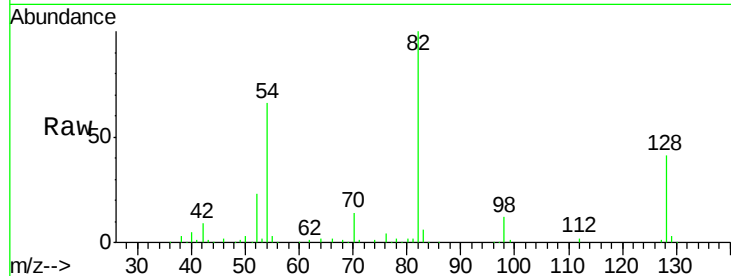
#23
 Nitrobenzene-d5
 Concen: 38.53 ng
 RT: 8.36 min Scan# 593
 Delta R.T. -0.08 min
 Lab File: BF087618.D
 Acq: 1 Jun 2016 12:17

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1672(0-4)RE

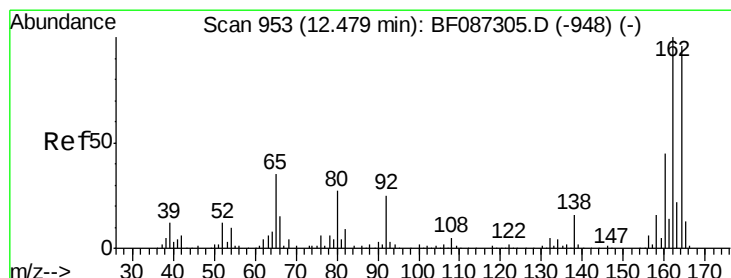
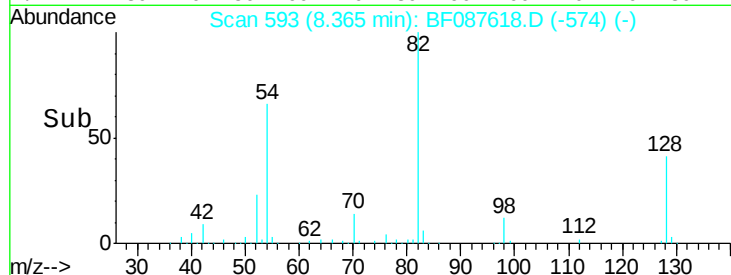
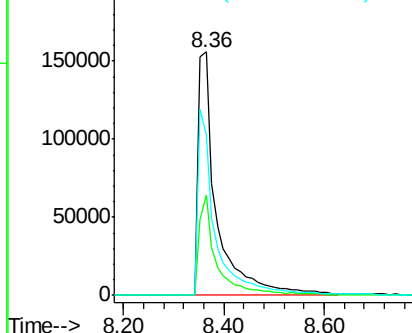
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.2	40.6	61.0	
54	66.1	38.1	57.1	

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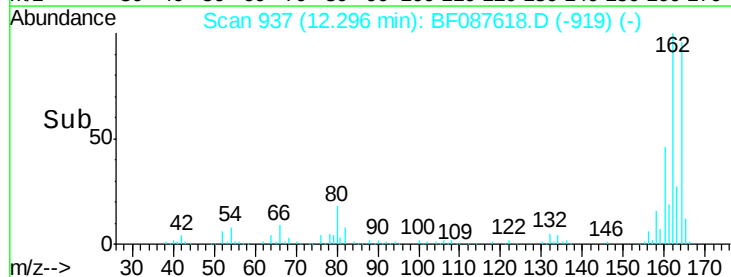
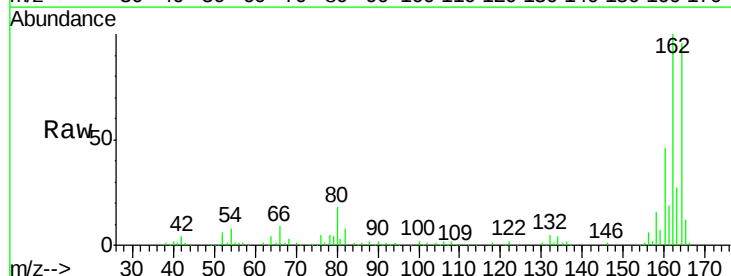
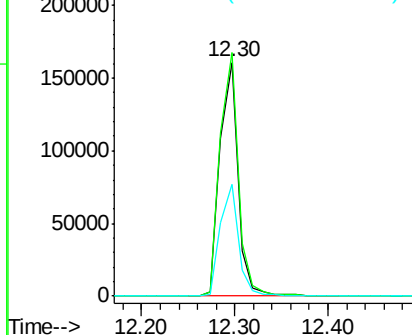
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

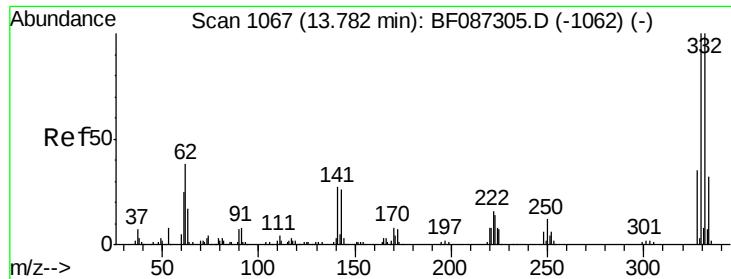


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.30 min Scan# 937
 Delta R.T. -0.09 min
 Lab File: BF087618.D
 Acq: 1 Jun 2016 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.1	82.8	124.2	
160	47.8	36.9	55.3	

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





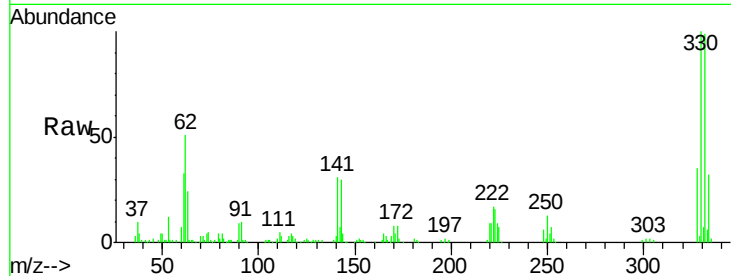
#41
 2,4,6-Tribromophenol
 Concen: 91.21 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.08 min
 Lab File: BF087618.D
 Acq: 1 Jun 2016 12:17

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1672(0-4)RE

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.0	79.0	118.4	
141	44.9	31.2	46.8	

Manual Integrations
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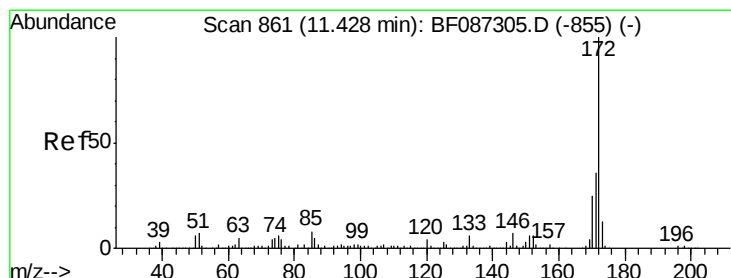
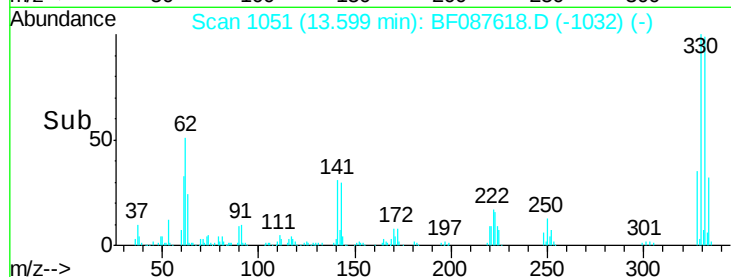
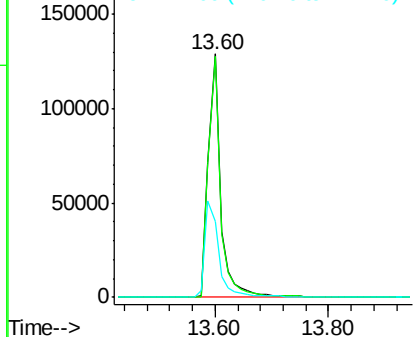


Abundance

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: 56.46 ng
 RT: 11.24 min Scan# 845
 Delta R.T. -0.09 min
 Lab File: BF087618.D
 Acq: 1 Jun 2016 12:17

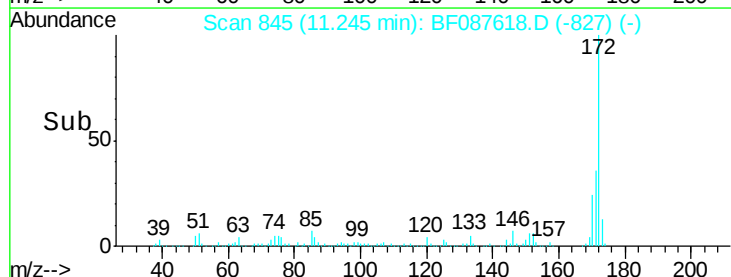
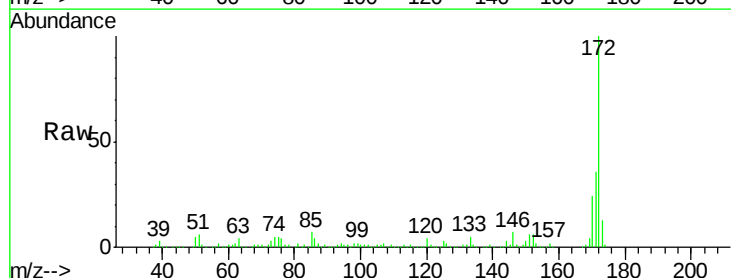
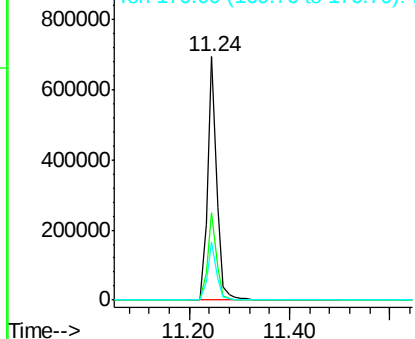
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.0	43.6	
170	24.1	19.8	29.8	

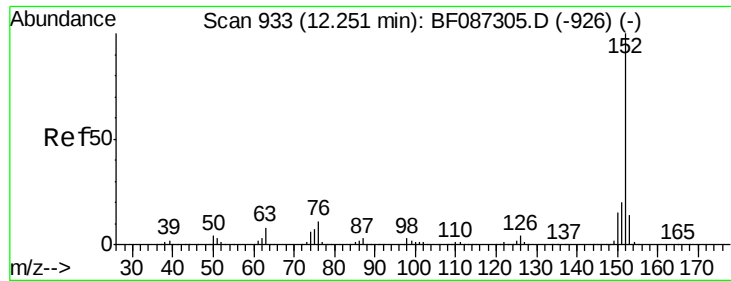
Abundance

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





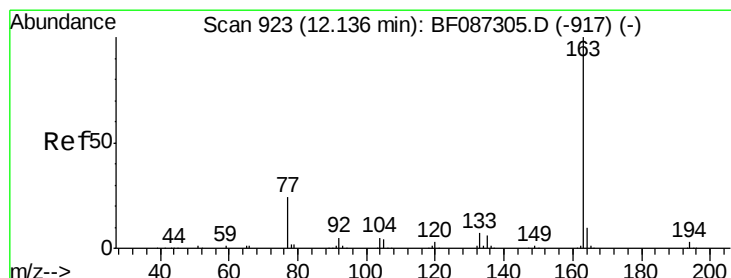
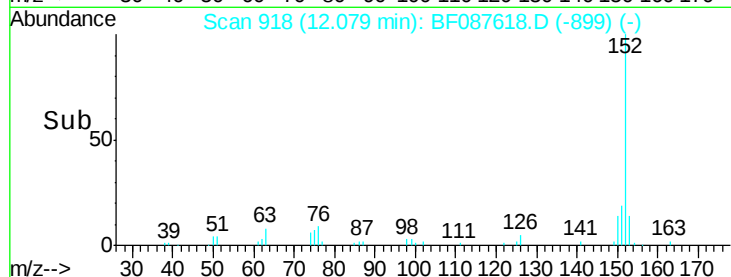
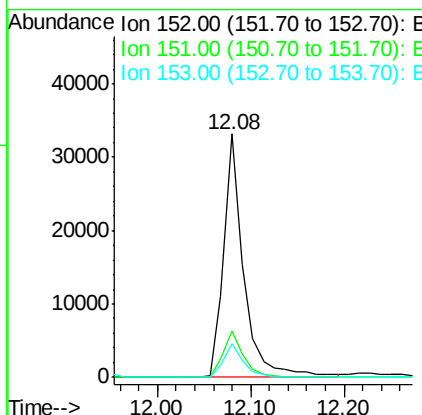
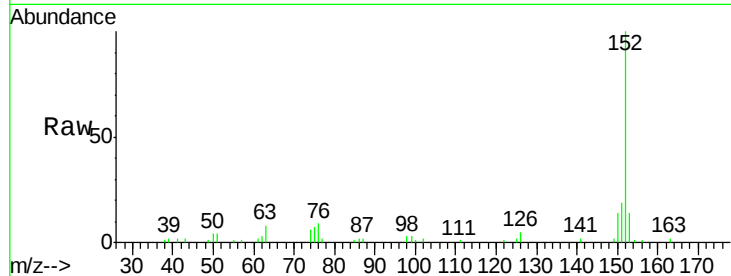
#48
Acenaphthylene
Concen: 2.26 ng
RT: 12.08 min Scan# 918
Delta R.T. -0.08 min
Lab File: BF087618.D
Acq: 1 Jun 2016 12:17

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.8	25.2
153	13.9	10.9	16.3

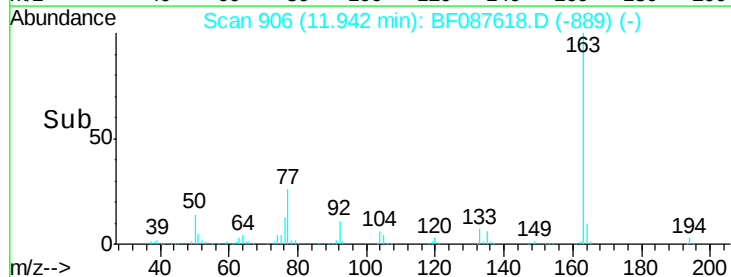
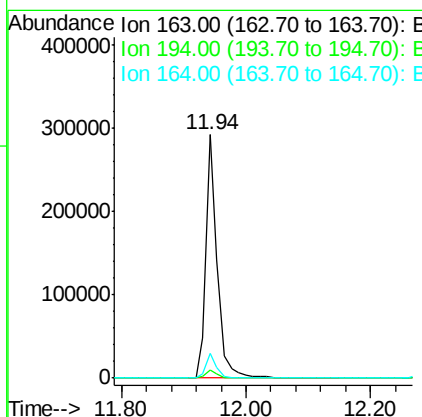
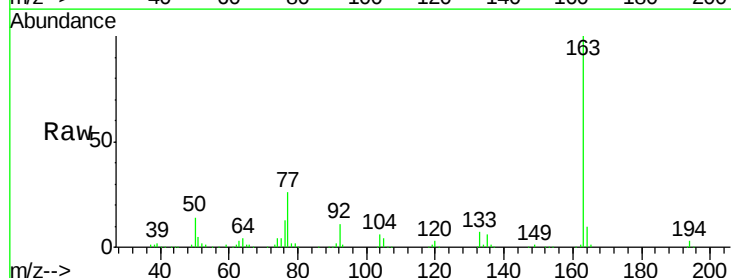
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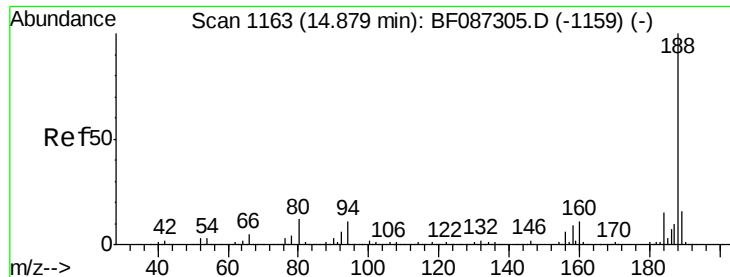
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#49
Dimethylphthalate
Concen: 21.48 ng
RT: 11.94 min Scan# 906
Delta R.T. -0.10 min
Lab File: BF087618.D
Acq: 1 Jun 2016 12:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	10.2	8.2	12.4





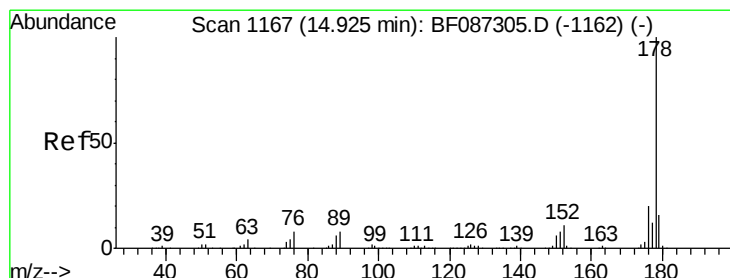
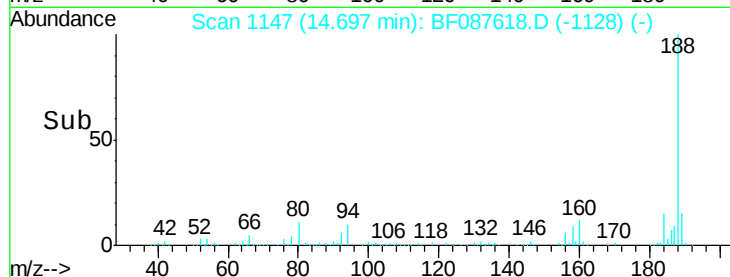
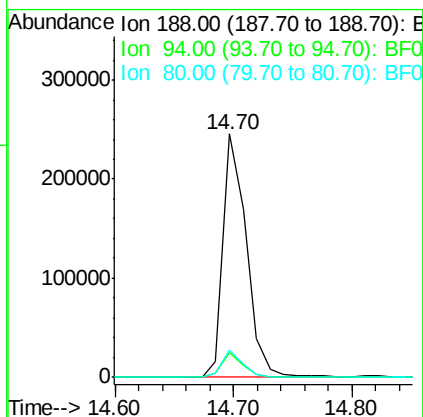
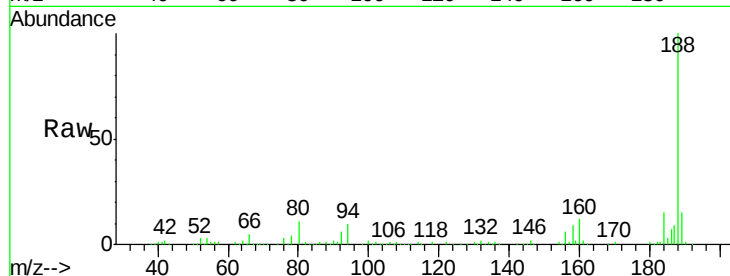
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.08 min
Lab File: BF087618.D
Acq: 1 Jun 2016 12:17

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	6.8	10.2
80	11.3	7.1	10.7

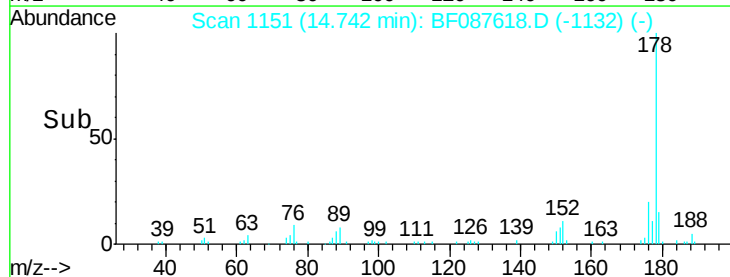
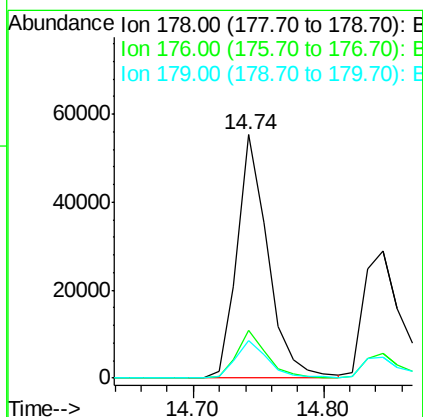
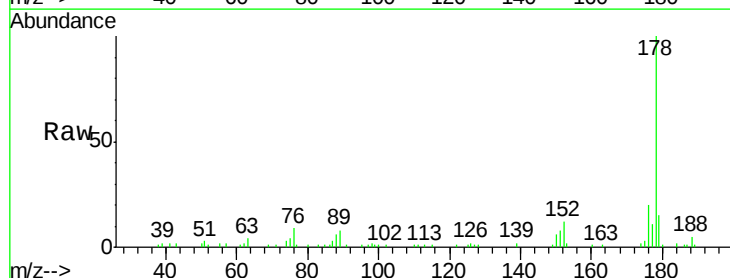
Manual Integrations
APPROVED

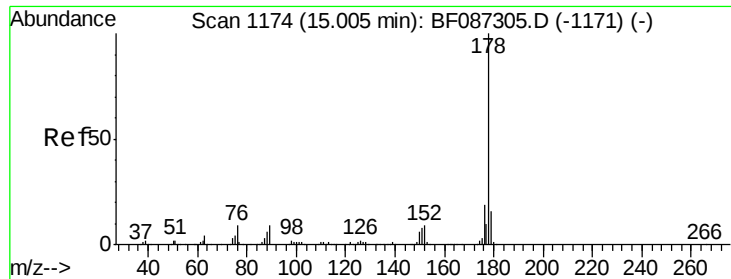
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#70
Phenanthrene
Concen: 4.92 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.08 min
Lab File: BF087618.D
Acq: 1 Jun 2016 12:17

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	16.0	24.0
179	15.2	12.6	18.8





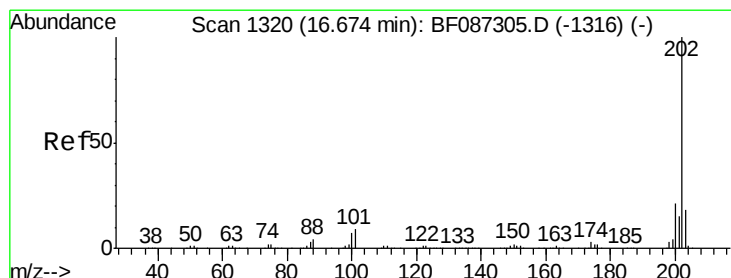
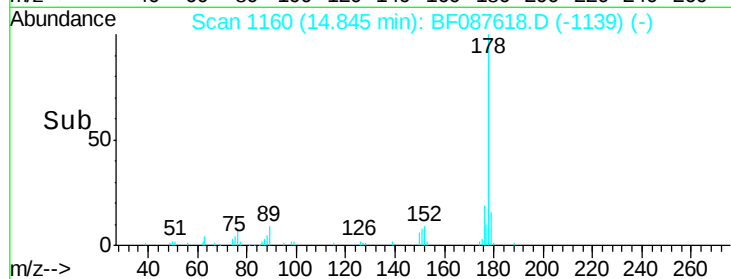
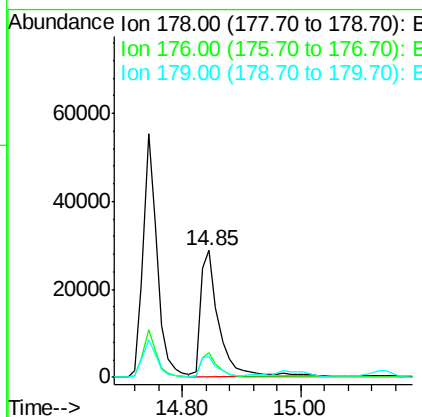
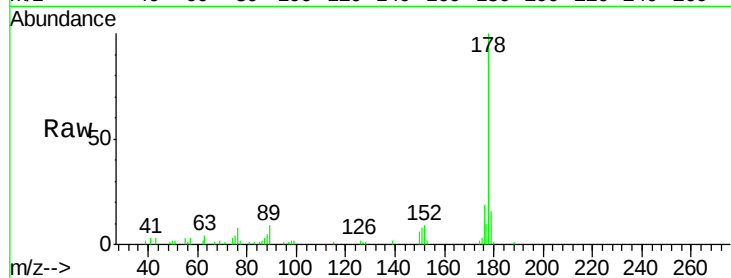
#71
 Anthracene
 Concen: 3.36 ng
 RT: 14.85 min Scan# 1160
 Delta R.T. -0.06 min
 Lab File: BF087618.D
 Acq: 1 Jun 2016 12:17

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1672(0-4)RE

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.1	15.6	23.4	
179	16.4	12.7	19.1	

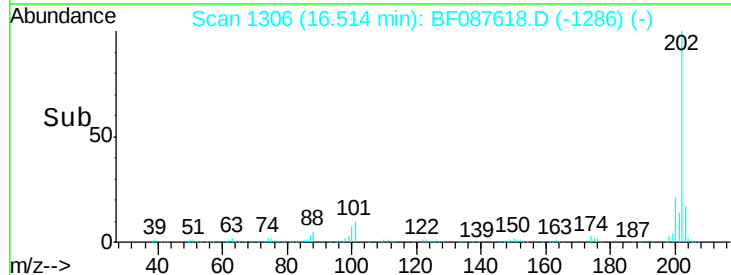
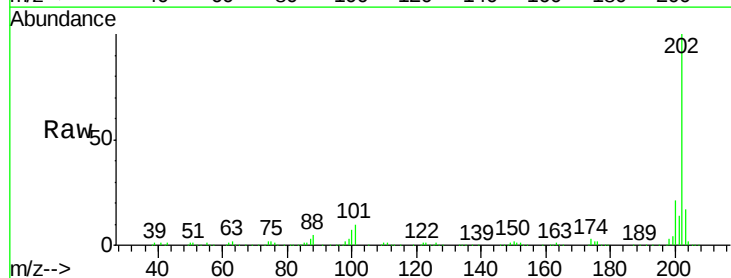
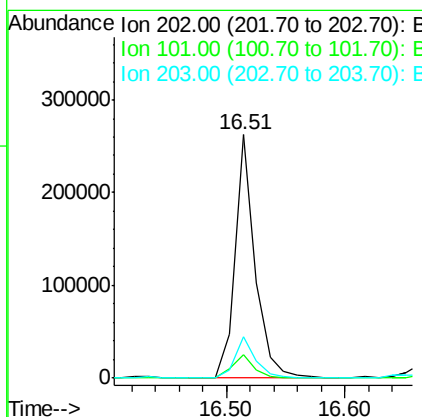
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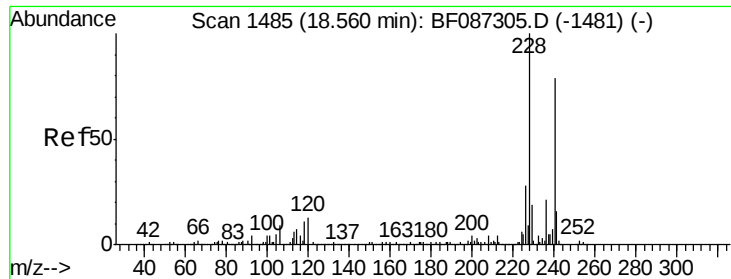
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#74
 Fluoranthene
 Concen: 16.72 ng
 RT: 16.51 min Scan# 1306
 Delta R.T. -0.07 min
 Lab File: BF087618.D
 Acq: 1 Jun 2016 12:17

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	9.9	0.0	35.4	
203	17.1	0.0	38.1	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.41 min Scan# 1472

Delta R.T. -0.07 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

Instrument :

BNA_F

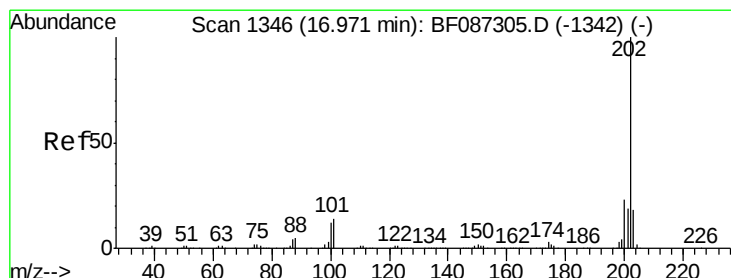
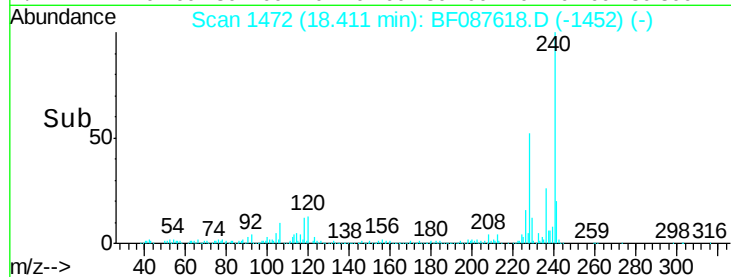
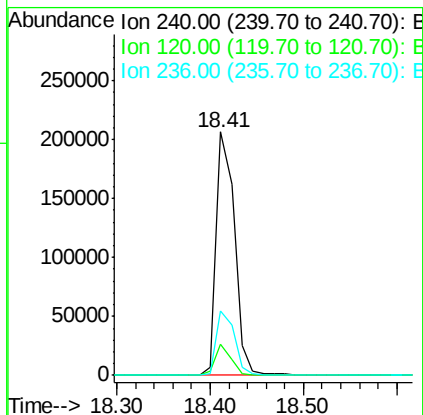
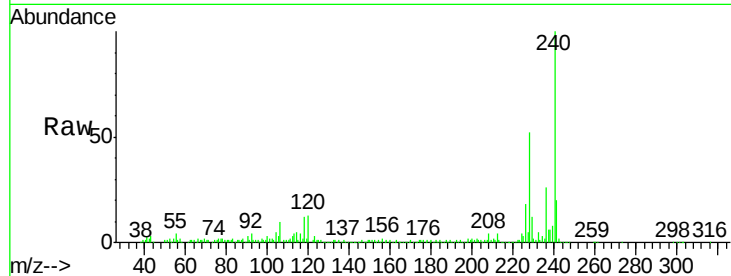
ClientSampleId :

CHS-STA-1672(0-4)RE

Tot Ion:	240	Resp:	281353
Ion Ratio	Lower	Upper	
240	100		
120	12.8	11.2	16.8
236	26.3	21.2	31.8

Manual Integrations
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#77

Pyrene

Concen: 15.14 ng

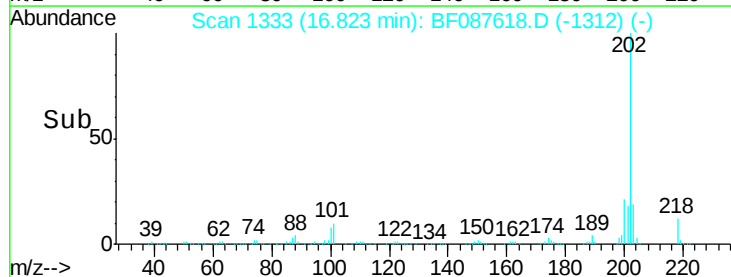
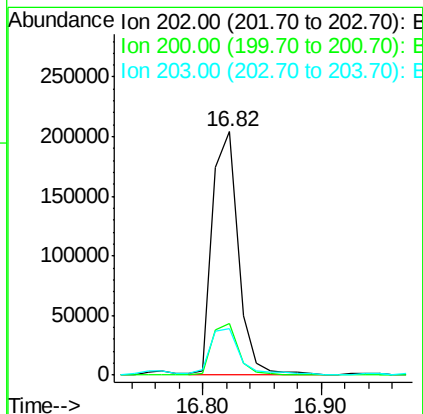
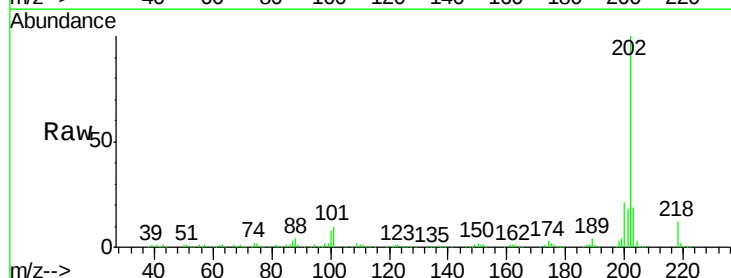
RT: 16.82 min Scan# 1333

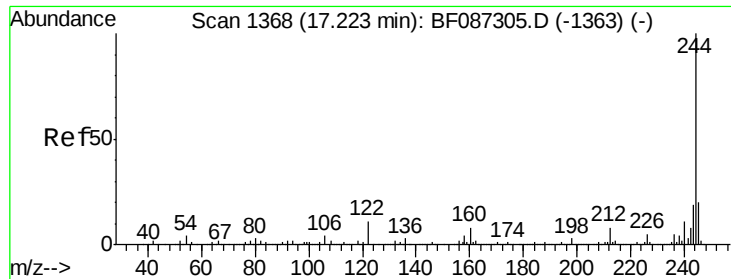
Delta R.T. -0.06 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

Tgt Ion:	202	Resp:	306581
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.7	26.5
203	19.0	14.2	21.4





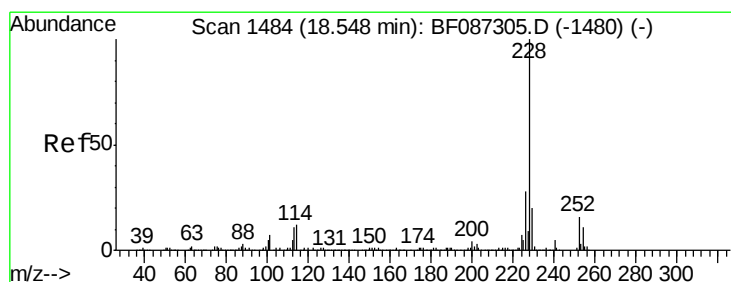
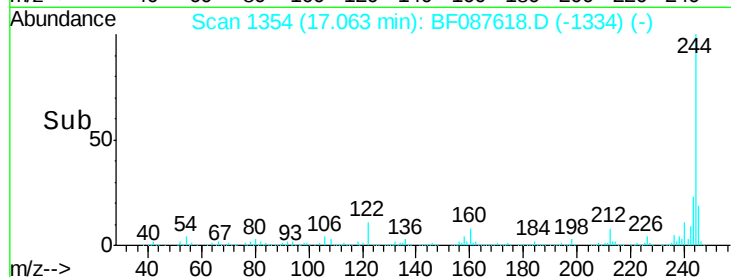
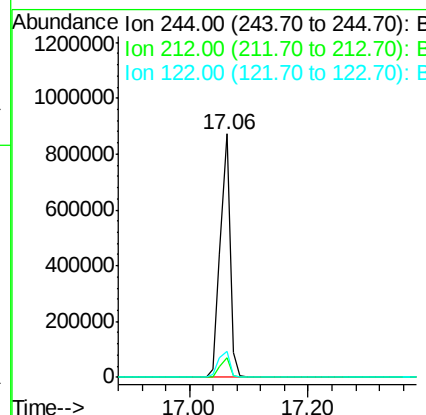
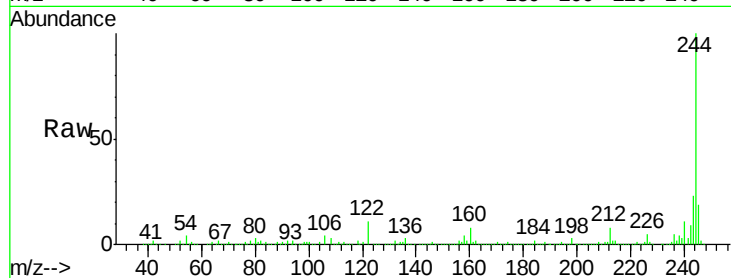
#78
 Terphenyl-d14
 Concen: 74.89 ng
 RT: 17.06 min Scan# 1354
 Delta R.T. -0.07 min
 Lab File: BF087618.D
 Acq: 1 Jun 2016 12:17

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1672(0-4)RE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	10.6	12.0	18.0#

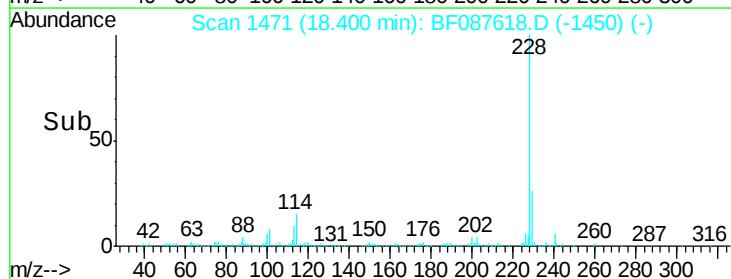
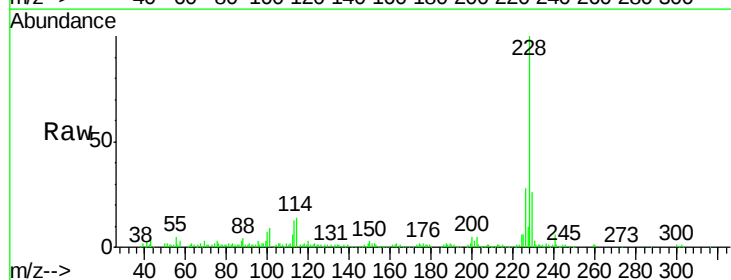
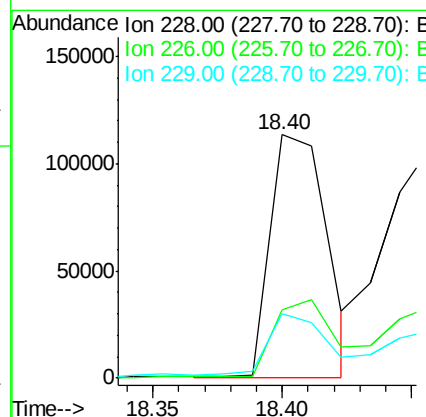
Manual Integrations
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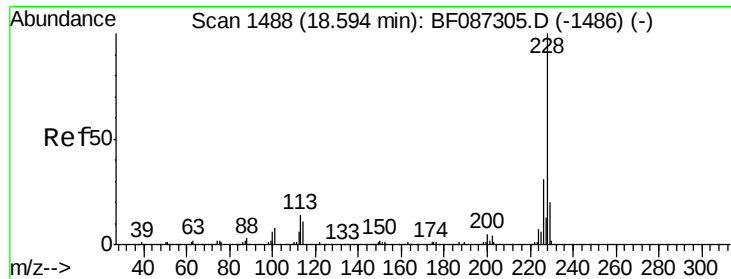
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#80
 Benzo(a)anthracene
 Concen: 10.92 ng m
 RT: 18.40 min Scan# 1471
 Delta R.T. -0.06 min
 Lab File: BF087618.D
 Acq: 1 Jun 2016 12:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.5	33.7
229	26.2	16.6	25.0#





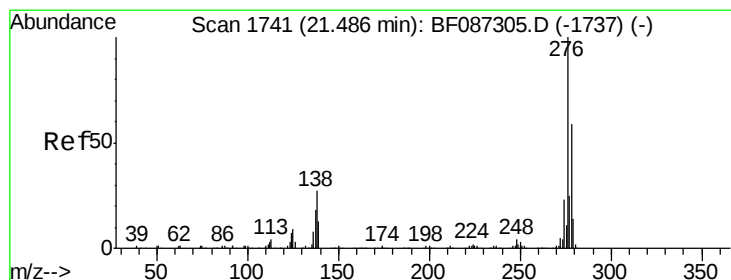
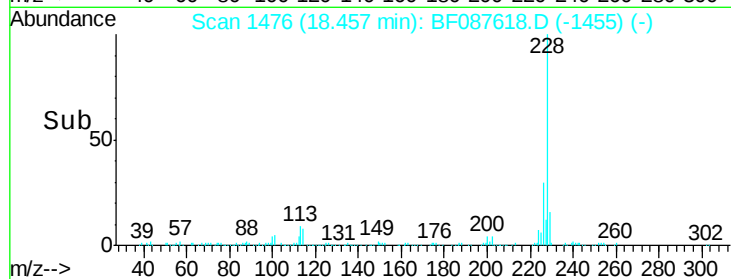
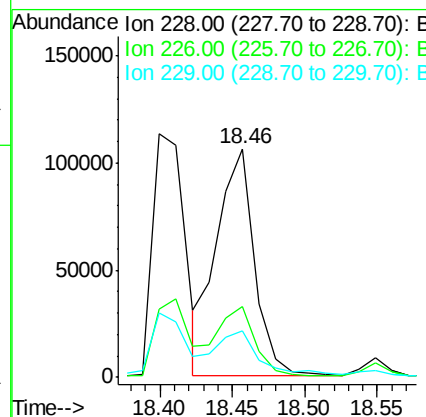
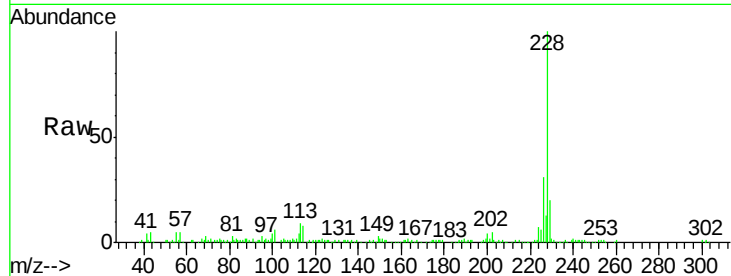
#82
Chrysene
Concen: 12.15 ng
RT: 18.46 min Scan# 1476
Delta R.T. -0.06 min
Lab File: BF087618.D
Acq: 1 Jun 2016 12:17

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.4	36.6
229	20.1	15.8	23.8

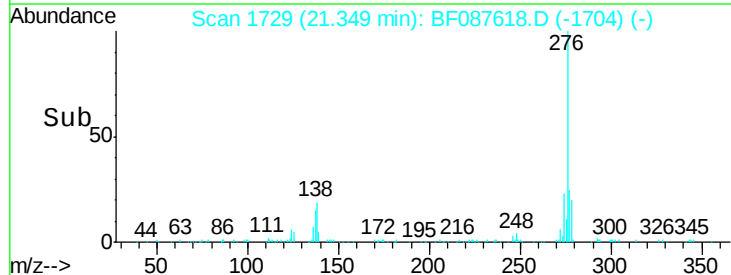
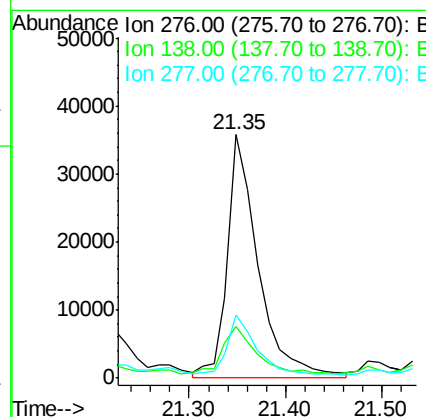
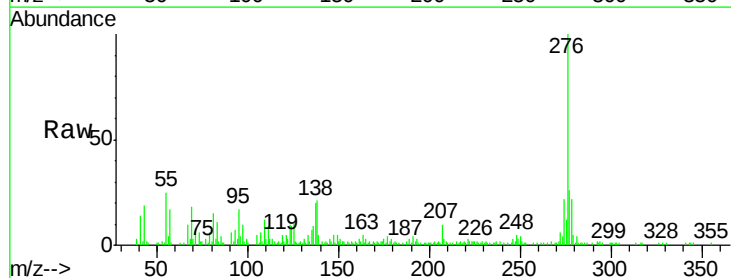
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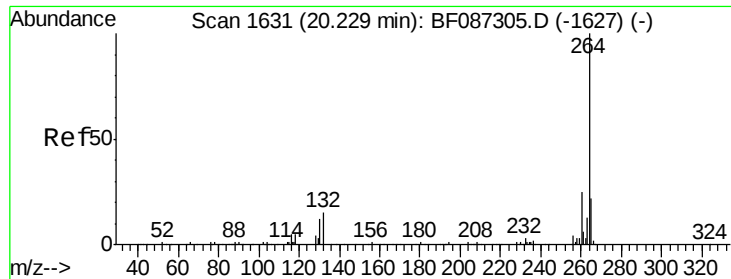
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.32 ng m
RT: 21.35 min Scan# 1729
Delta R.T. -0.01 min
Lab File: BF087618.D
Acq: 1 Jun 2016 12:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	4.2	25.6	38.4#
277	3.4	20.5	30.7#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.10 min Scan# 1620

Delta R.T. -0.03 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

Instrument :

BNA_F

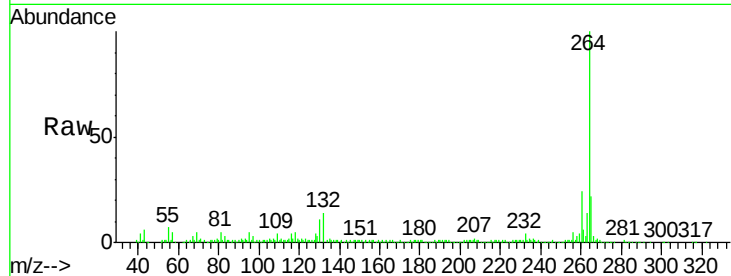
ClientSampleId :

CHS-STA-1672(0-4)RE

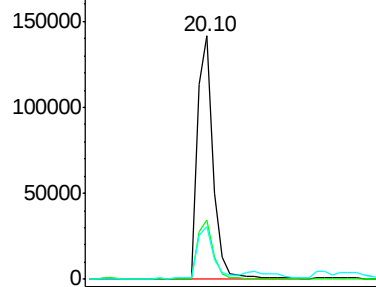
Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.1	19.5	29.3	
265	21.9	17.3	25.9	

Manual Integrations
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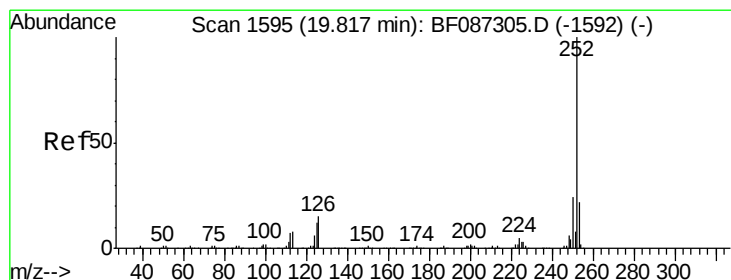
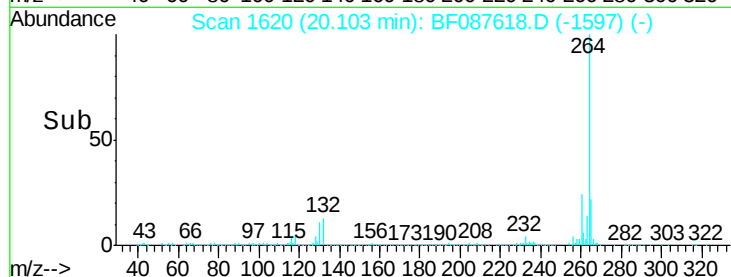
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->



#87

Benzo(b)fluoranthene

Concen: 17.70 ng m

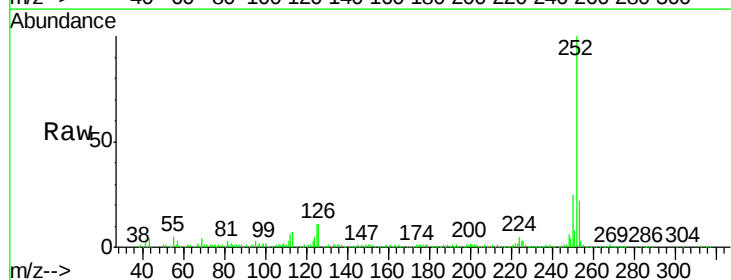
RT: 19.69 min Scan# 1584

Delta R.T. -0.03 min

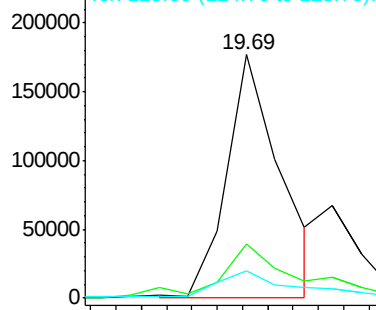
Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

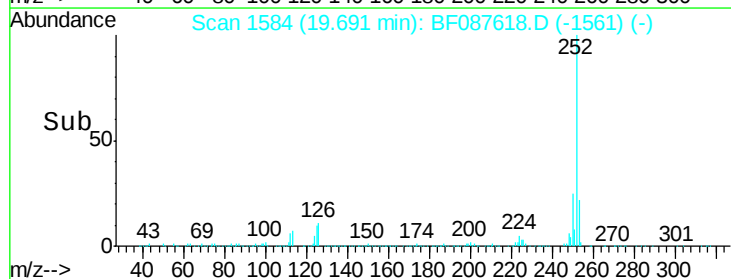
Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.0	17.8	26.6	
125	11.0	11.4	17.0	

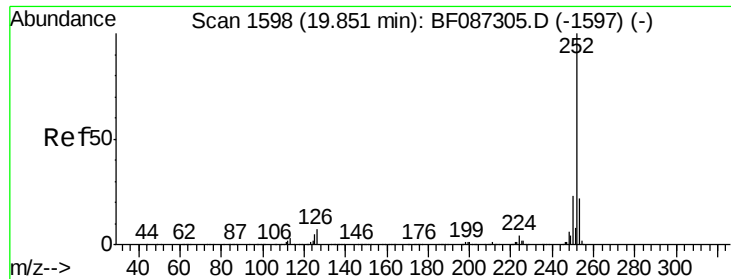


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#88

Benzo(k)fluoranthene

Concen: 6.18 ng/mL

RT: 19.73 min Scan# 1587

Delta R.T. -0.03 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

Instrument :

BNA_F

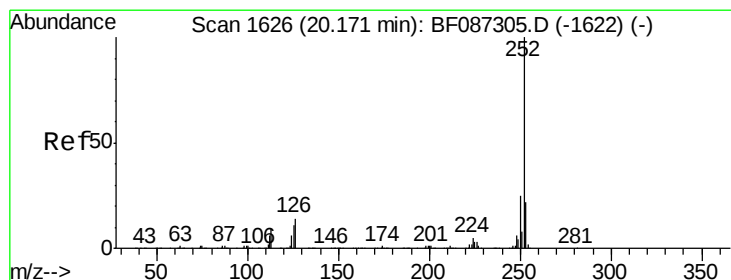
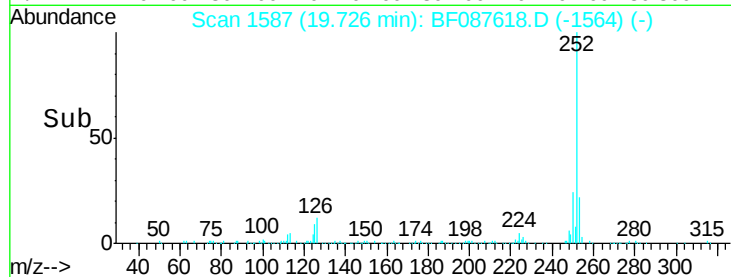
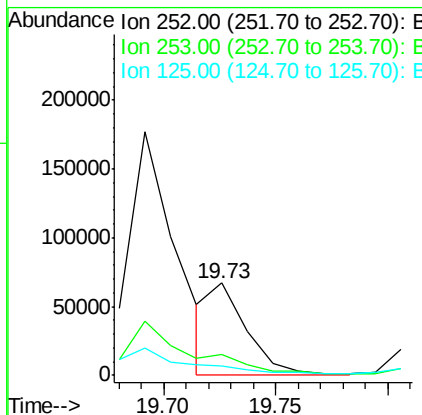
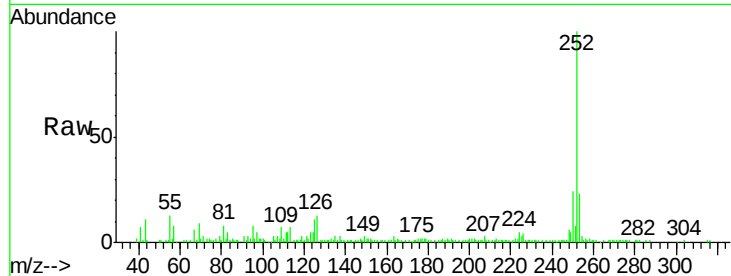
ClientSampleId :

CHS-STA-1672(0-4)RE

Tot Ion:	252	Resp:	77596
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.8	26.6
125	10.6	9.1	13.7

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#89

Benzo(a)pyrene

Concen: 10.01 ng/mL

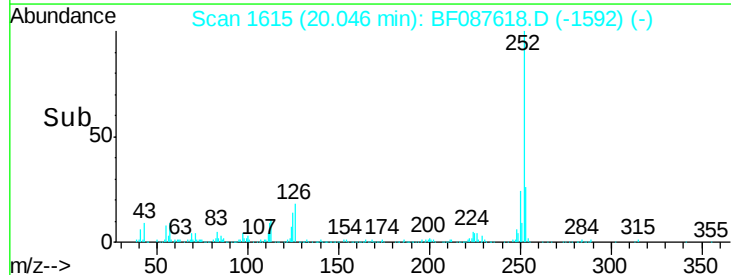
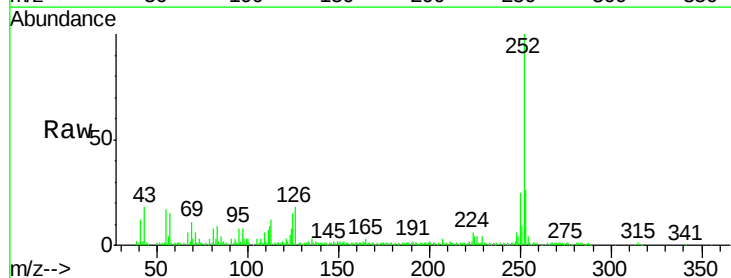
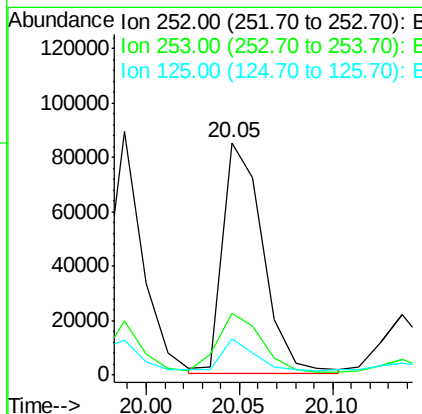
RT: 20.05 min Scan# 1615

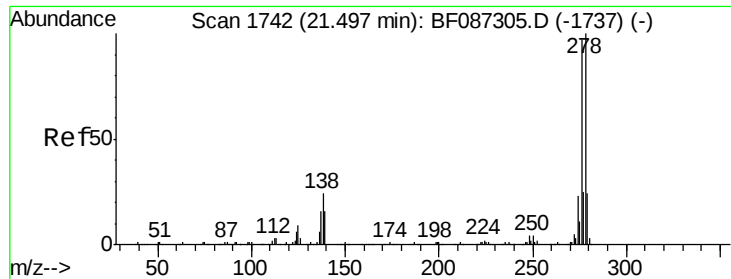
Delta R.T. -0.03 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

Tgt Ion:	252	Resp:	126301
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.2	25.8#
125	15.4	9.0	13.6#





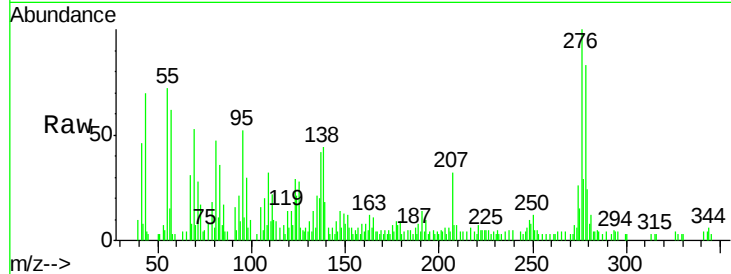
#90
Dibenzo(a,h)anthracene
Concen: 2.19 ng
RT: 21.34 min Scan# 1728
Delta R.T. -0.02 min
Lab File: BF087618.D
Acq: 1 Jun 2016 12:17

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)RE

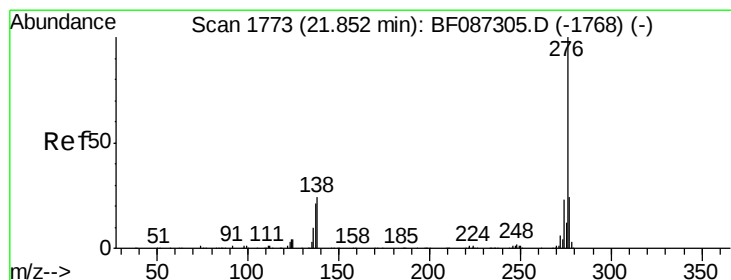
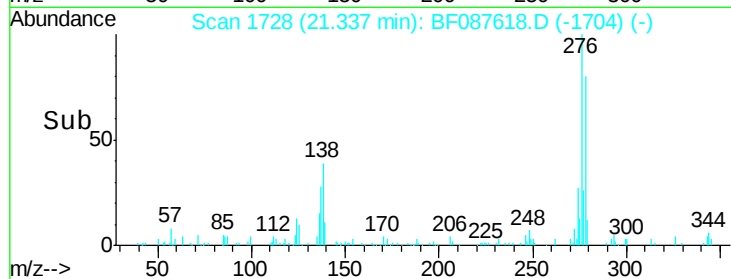
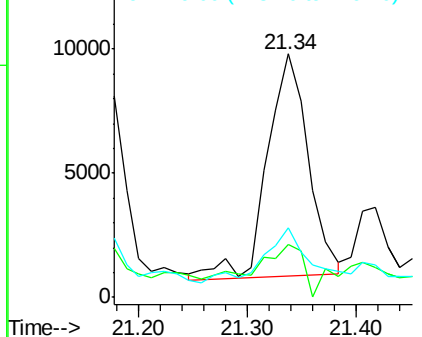
Tot Ion	Ratio	Lower	Upper
278	100		
139	21.8	16.6	24.8
279	28.6	19.6	29.4

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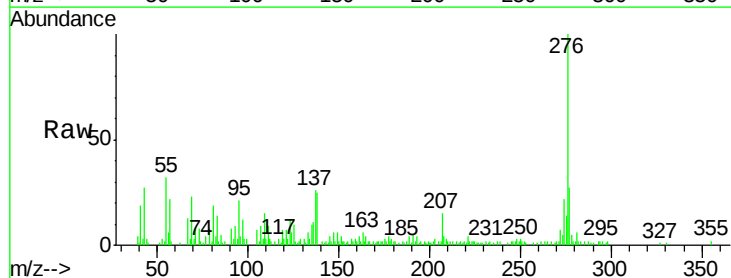


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 5.87 ng
RT: 21.70 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BF087618.D
Acq: 1 Jun 2016 12:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	19.6	29.4
138	25.3	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

