

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
 Data File : BF087613.D
 Acq On : 1 Jun 2016 9:27
 Operator : UM/SJ
 Sample : H3190-07DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1699(0-4)

Manual Integrations
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Quant Time: Jun 01 14:01:35 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	101687	20.00	ng	-0.01
21) Naphthalene-d8	9.47	136	414453	20.00	ng	0.00
38) Acenaphthene-d10	12.30	164	177630	20.00	ng	-0.01
63) Phenanthrene-d10	14.71	188	276379	20.00	ng	0.00
75) Chrysene-d12	18.42	240	221605	20.00	ng	0.00
86) Perylene-d12	20.10	264	179111	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	41441	7.16	ng	0.09
7) Phenol-d6	7.07	99	79331	10.15	ng	0.06
23) Nitrobenzene-d5	8.42	82	52396	6.37	ng	0.05
41) 2,4,6-Tribromophenol	13.62	330	15141	8.87	ng	0.01
44) 2-Fluorobiphenyl	11.24	172	116112	9.22	ng	-0.01
78) Terphenyl-d14	17.06	244	77474	7.43	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	14.75	178	81775	5.34	ng	97
71) Anthracene	14.85	178	31715m	2.05	ng	
74) Fluoranthene	16.51	202	285860	18.62	ng	94
77) Pyrene	16.82	202	225906	14.16	ng	98
80) Benzo(a)anthracene	18.41	228	129551	10.28	ng	100
82) Chrysene	18.46	228	105632	8.44	ng	99
85) Indeno(1,2,3-cd)pyrene	21.38	276	32445m	3.24	ng	
87) Benzo(b)fluoranthene	19.70	252	128153m	11.23	ng	
88) Benzo(k)fluoranthene	19.74	252	38990m	3.97	ng	
89) Benzo(a)pyrene	20.06	252	63261	6.41	ng	96
91) Benzo(g,h,i)perylene	21.75	276	25975	3.13	ng	92

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

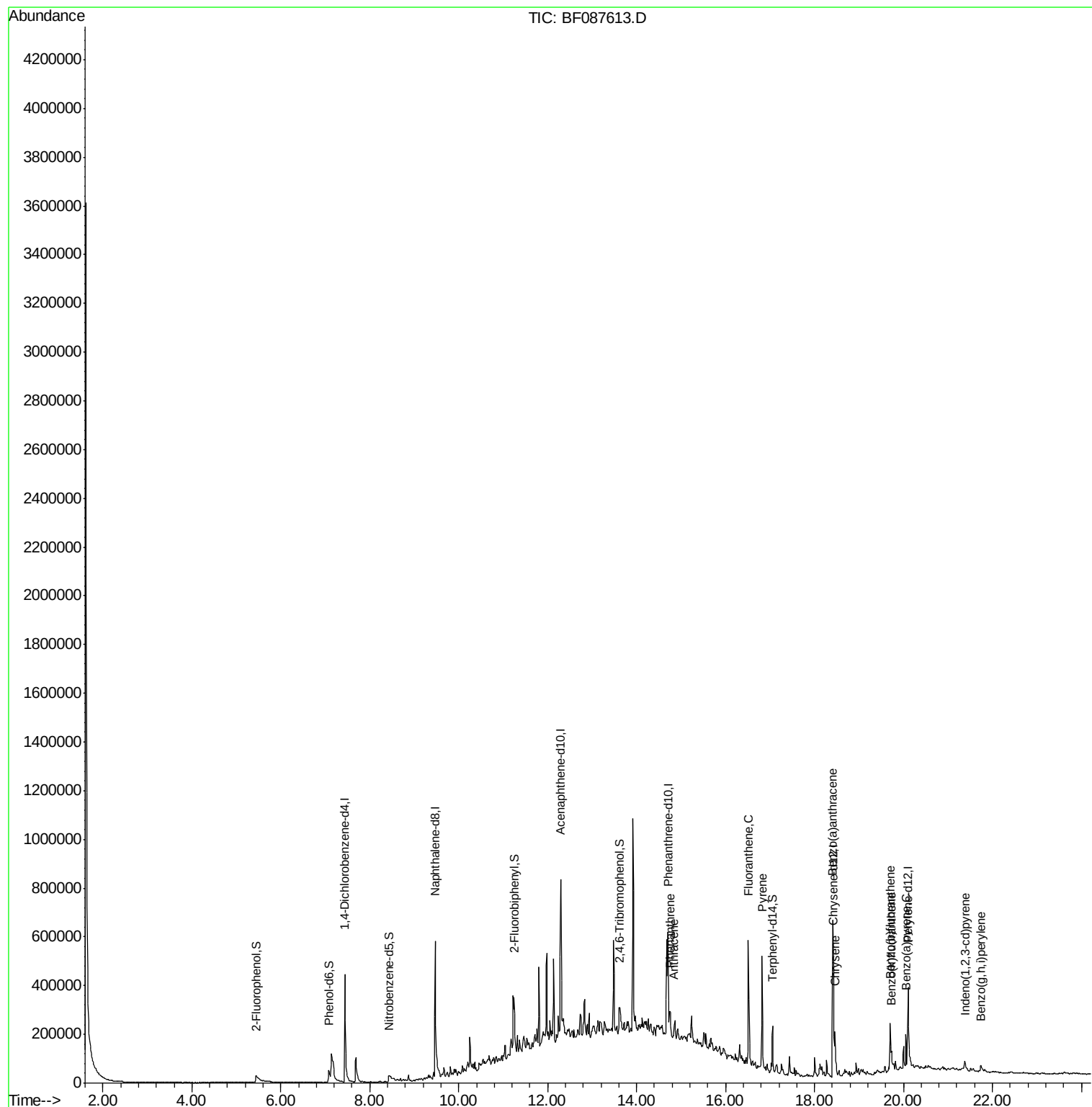
Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
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Misc :
ALS Vial : 28 Sample Multiplier: 1

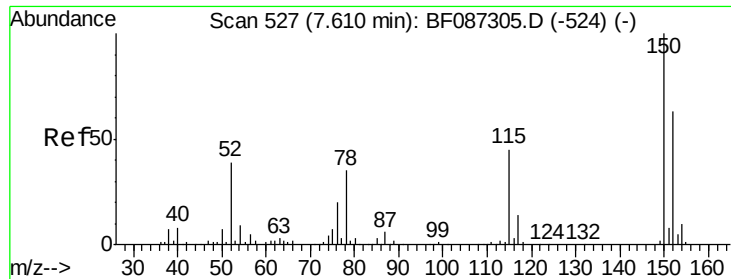
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1699(0-4)

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#1

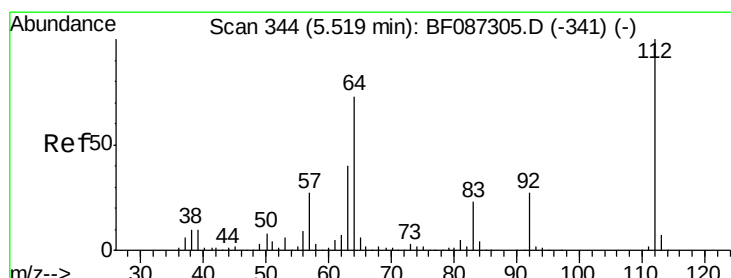
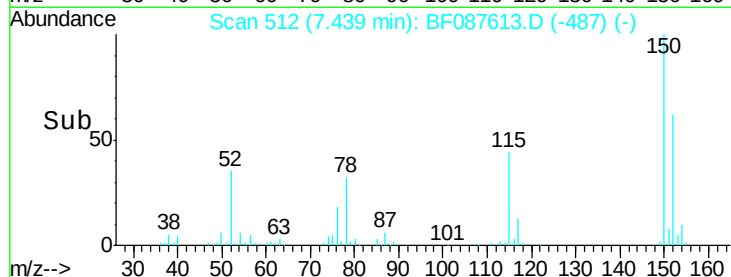
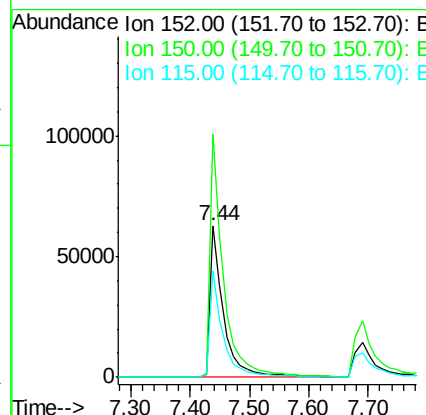
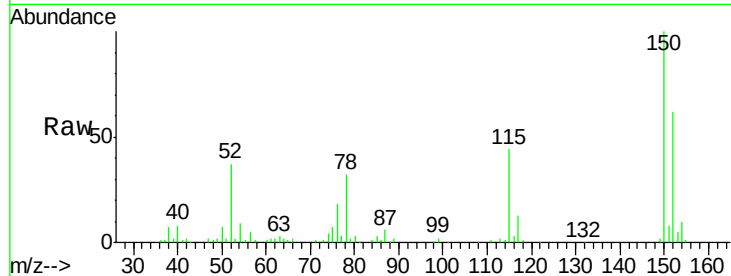
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.44 min Scan# 512
Delta R.T. -0.01 min
Lab File: BF087613.D
Acq: 1 Jun 2016 9:27

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1699(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	125.8	188.6
115	69.9	51.5	77.3

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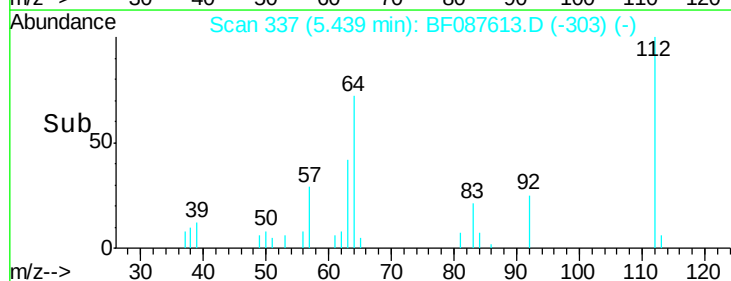
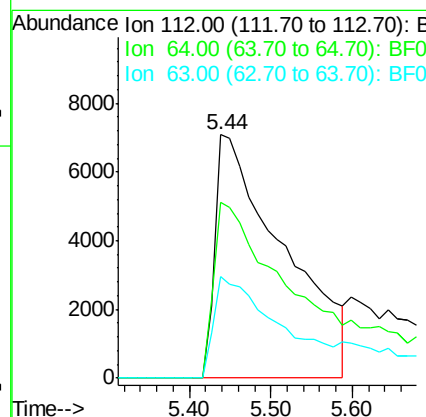
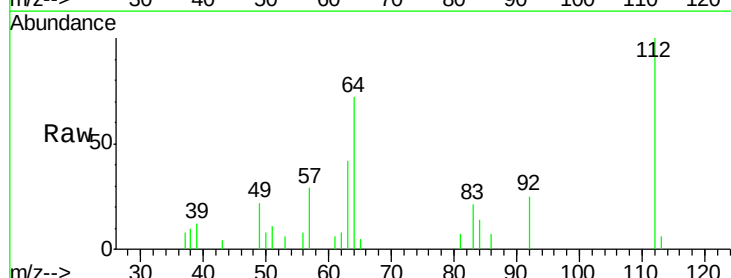
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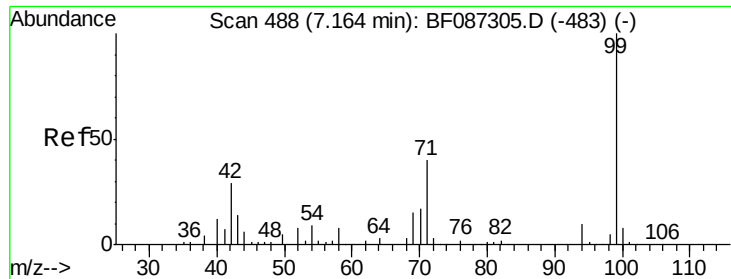


#5

2-Fluorophenol
Concen: 7.16 ng
RT: 5.44 min Scan# 337
Delta R.T. 0.09 min
Lab File: BF087613.D
Acq: 1 Jun 2016 9:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.2	52.1	78.1
63	41.6	25.7	38.5





#7

Phenol-d6

Concen: 10.15 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.06 min

Lab File: BF087613.D

Acq: 1 Jun 2016 9:27

Instrument :

BNA_F

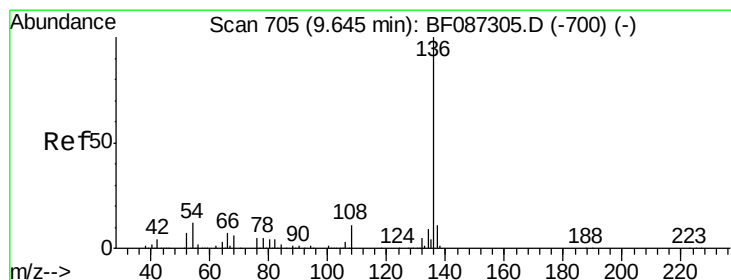
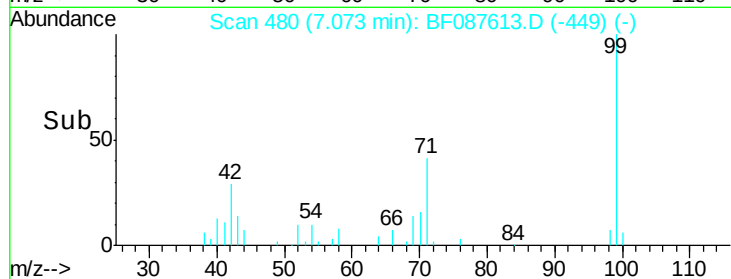
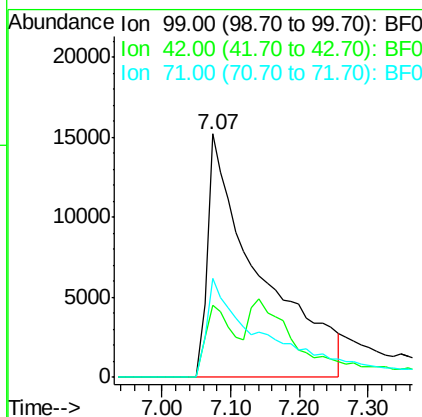
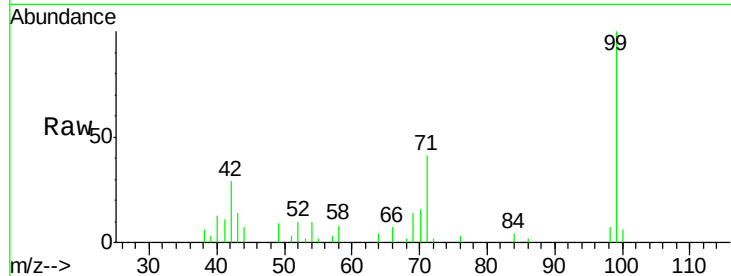
ClientSampleId :

CHS-STA-1699(0-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		79331		
42	29.5	13.6	20.4#		
71	40.5	24.6	36.8#		

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#21

Naphthalene-d8

Concen: 20.00 ng

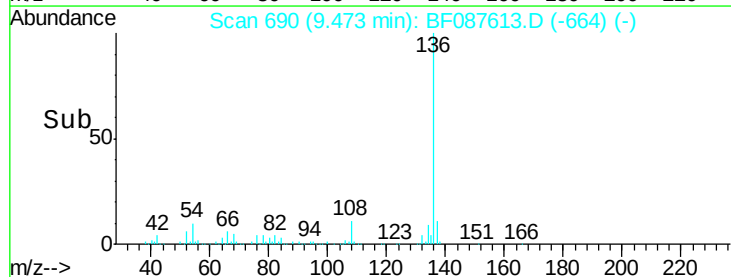
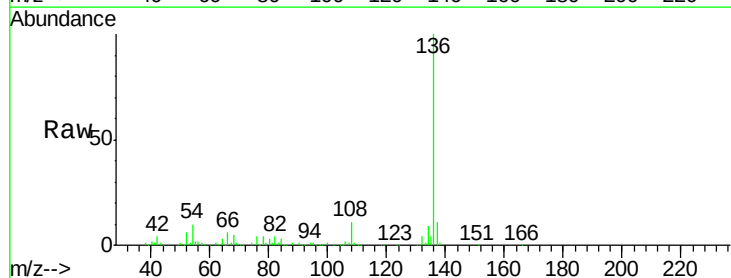
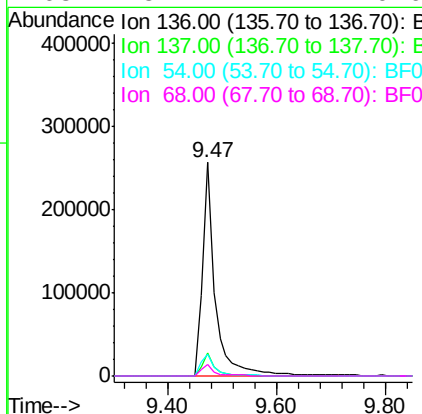
RT: 9.47 min Scan# 690

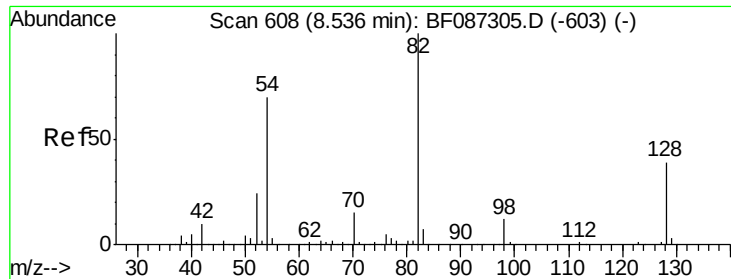
Delta R.T. -0.00 min

Lab File: BF087613.D

Acq: 1 Jun 2016 9:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		414453		
137	10.8	8.8	13.2		
54	10.3	5.0	7.4#		
68	5.2	4.4	6.6		





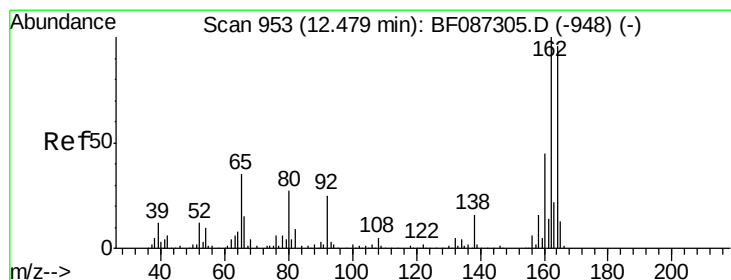
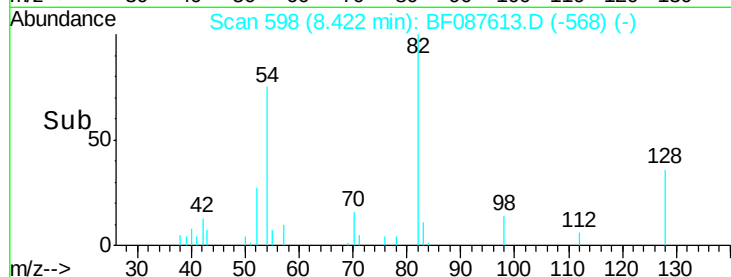
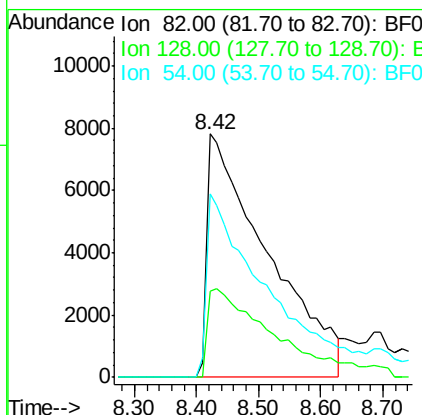
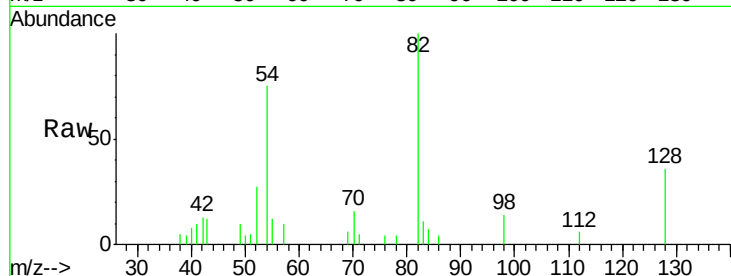
#23
Nitrobenzene-d5
Concen: 6.37 ng
RT: 8.42 min Scan# 598
Delta R.T. 0.05 min
Lab File: BF087613.D
Acq: 1 Jun 2016 9:27

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1699(0-4)

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.6	40.6	61.0#
54	75.4	38.1	57.1#

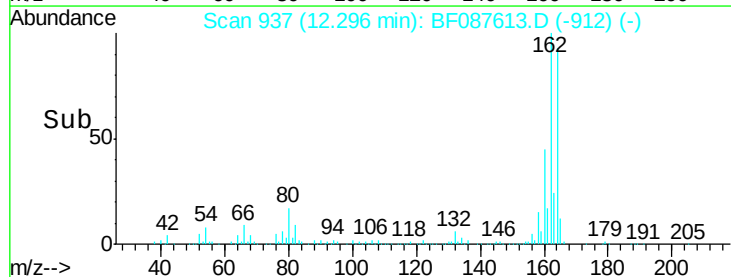
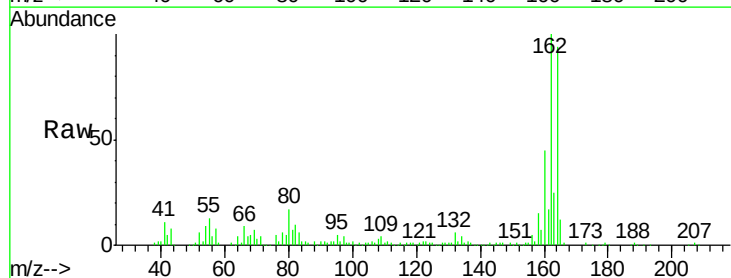
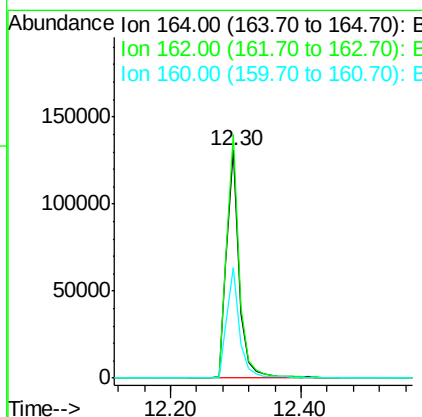
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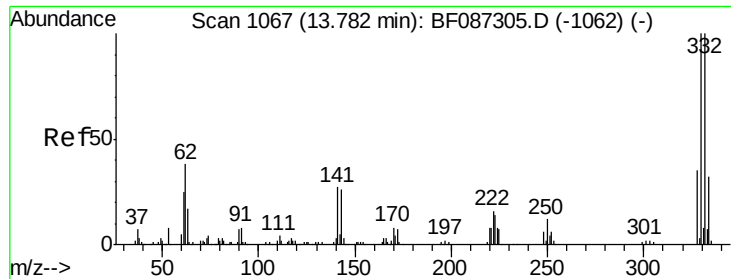
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.30 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF087613.D
Acq: 1 Jun 2016 9:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.7	82.8	124.2
160	48.3	36.9	55.3





#41

2,4,6-Tribromophenol

Concen: 8.87 ng

RT: 13.62 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BF087613.D

Acq: 1 Jun 2016 9:27

Instrument :

BNA_F

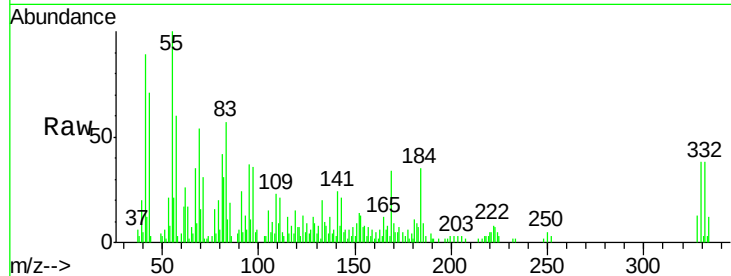
ClientSampleId :

CHS-STA-1699(0-4)

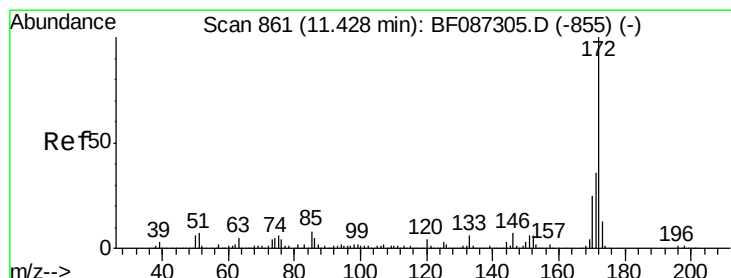
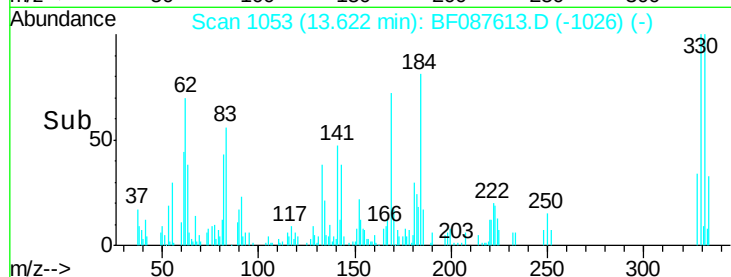
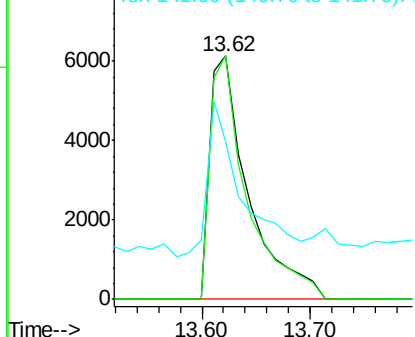
Tot Ion:	330	Resp:	15141
Ion Ratio	Lower	Upper	
330	100		
332	96.8	79.0	118.4
141	58.2	31.2	46.8#

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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: 9.22 ng

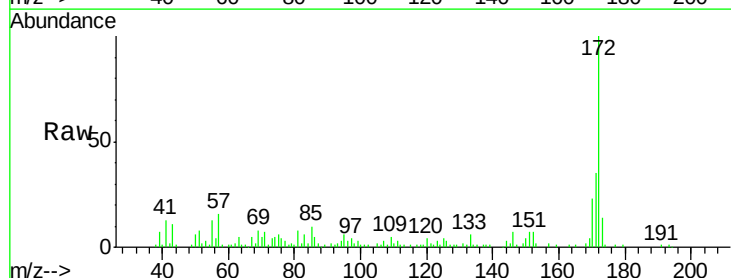
RT: 11.24 min Scan# 845

Delta R.T. -0.01 min

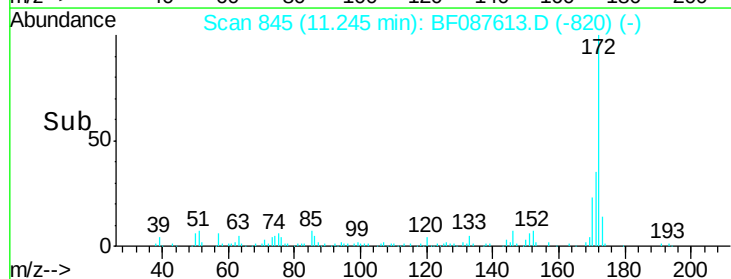
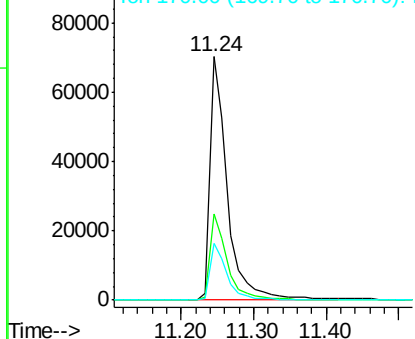
Lab File: BF087613.D

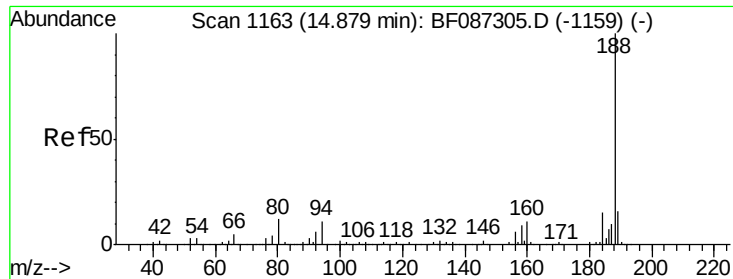
Acq: 1 Jun 2016 9:27

Tgt Ion:	172	Resp:	116112
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.0	43.6
170	23.2	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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.71 min Scan# 1148

Delta R.T. -0.00 min

Lab File: BF087613.D

Acq: 1 Jun 2016 9:27

Instrument :

BNA_F

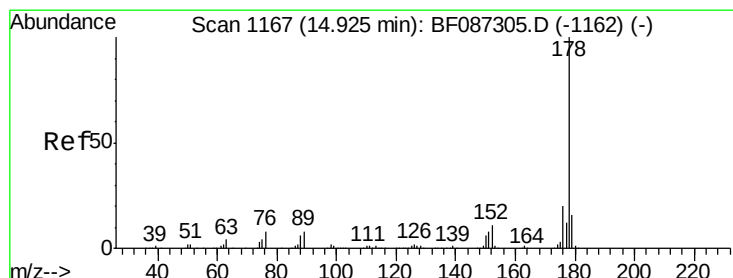
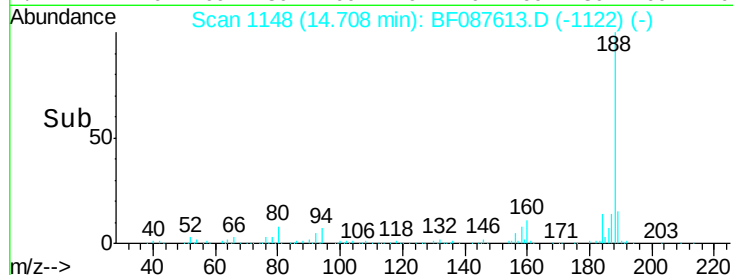
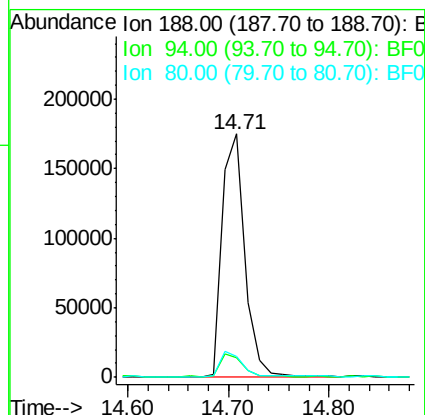
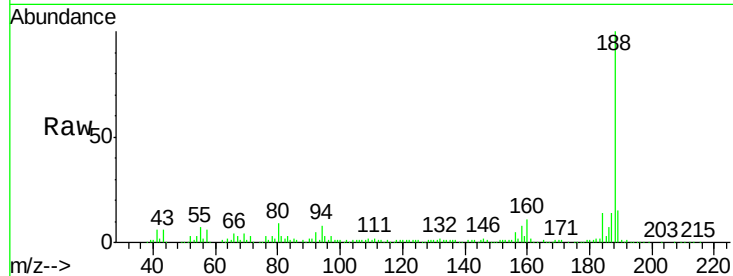
ClientSampleId :

CHS-STA-1699(0-4)

Tot Ion:	188	Resp:	276379
Ion Ratio	Lower	Upper	
188	100		
94	7.9	6.8	10.2
80	8.7	7.1	10.7

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#70

Phenanthrene

Concen: 5.34 ng

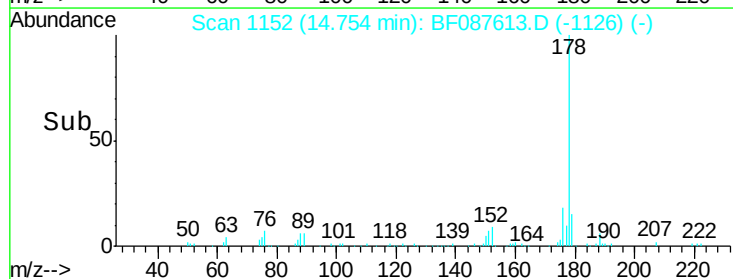
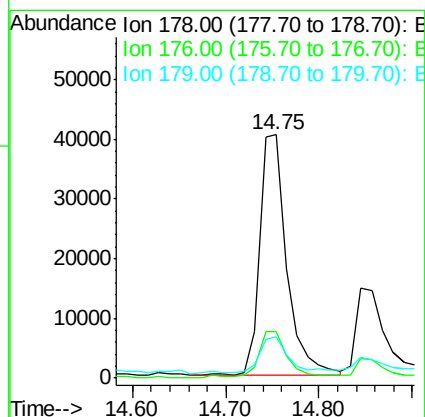
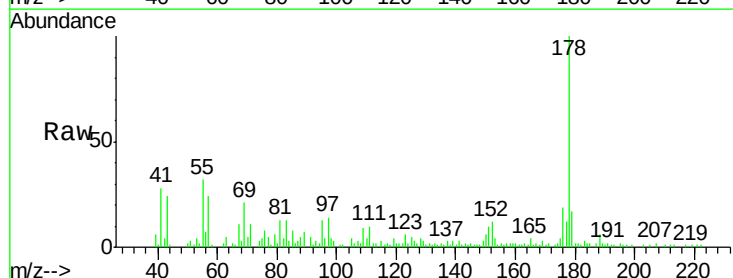
RT: 14.75 min Scan# 1152

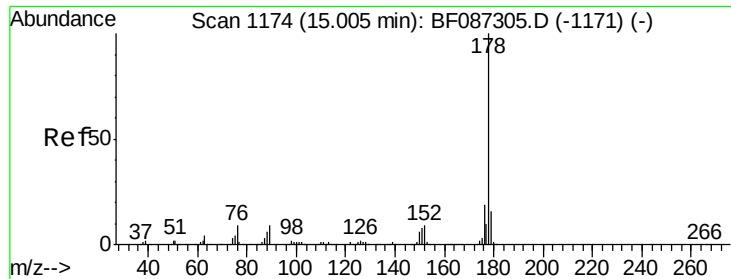
Delta R.T. -0.00 min

Lab File: BF087613.D

Acq: 1 Jun 2016 9:27

Tgt Ion:	178	Resp:	81775
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.0	24.0
179	17.2	12.6	18.8





#71

Anthracene

Concen: 2.05 ng/mL

RT: 14.85 min Scan# 1160

Delta R.T. 0.01 min

Lab File: BF087613.D

Acq: 1 Jun 2016 9:27

Instrument :

BNA_F

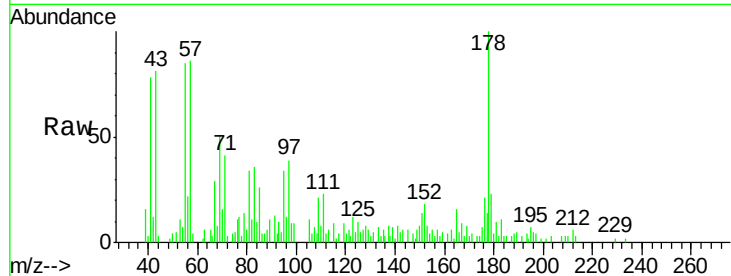
ClientSampleId :

CHS-STA-1699(0-4)

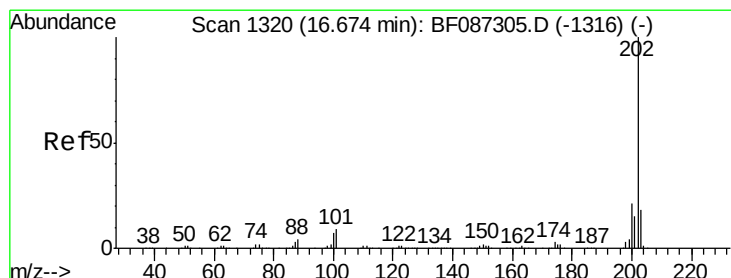
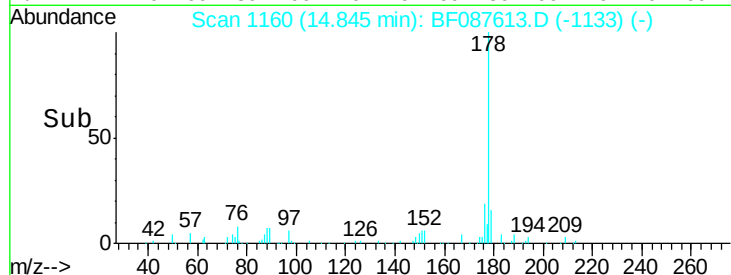
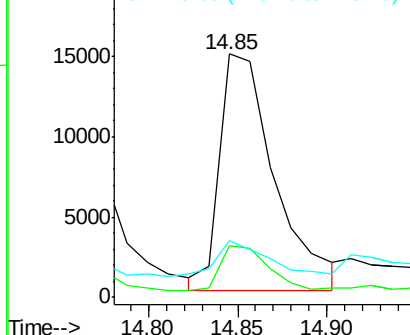
Tot Ion:	178	Resp:	31715
Ion Ratio	Lower	Upper	
178	100		
176	21.0	15.6	23.4
179	23.2	12.7	19.1

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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



#74

Fluoranthene

Concen: 18.62 ng/mL

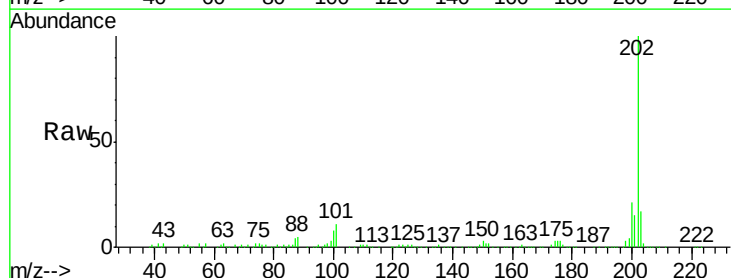
RT: 16.51 min Scan# 1306

Delta R.T. -0.00 min

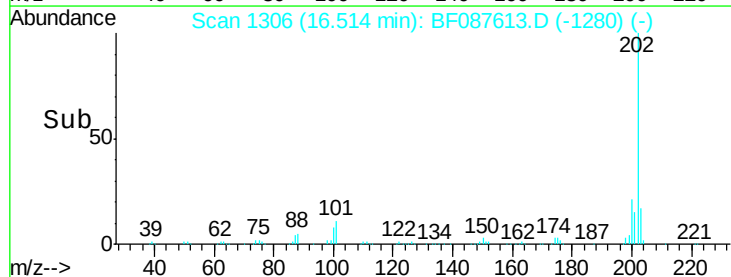
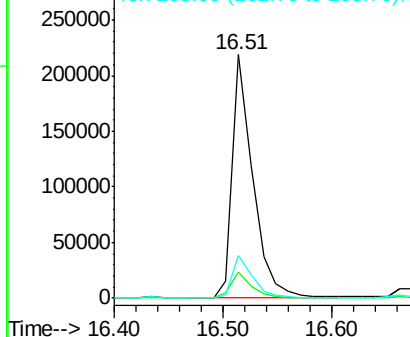
Lab File: BF087613.D

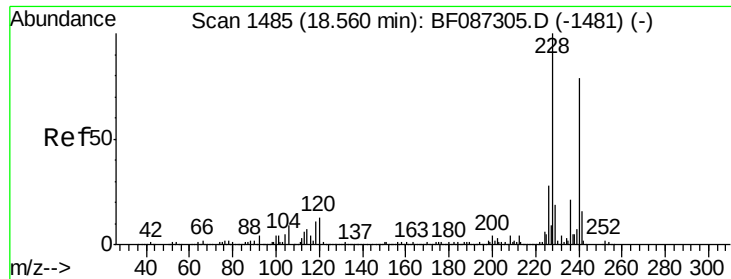
Acq: 1 Jun 2016 9:27

Tgt Ion:	202	Resp:	285860
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	35.4
203	17.5	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





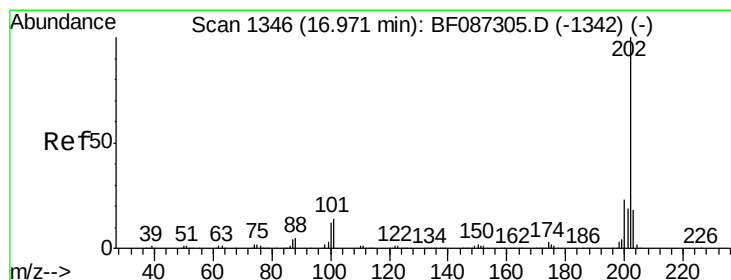
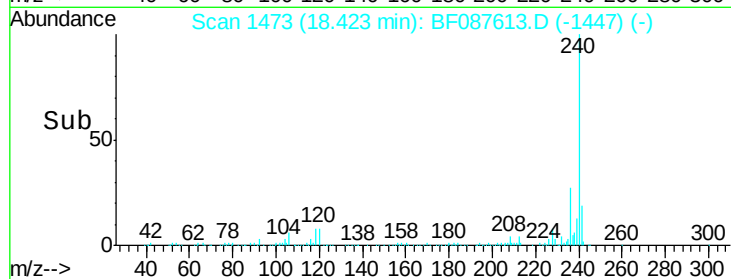
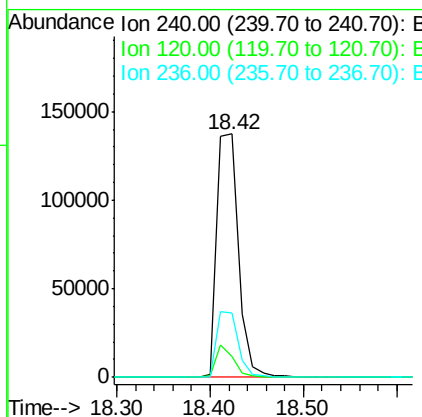
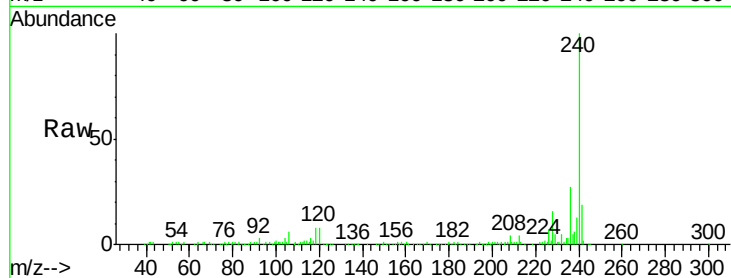
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.42 min Scan# 1473
Delta R.T. -0.00 min
Lab File: BF087613.D
Acq: 1 Jun 2016 9:27

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1699(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	221605		
120	8.4	11.2	16.8#	
236	26.6	21.2	31.8	

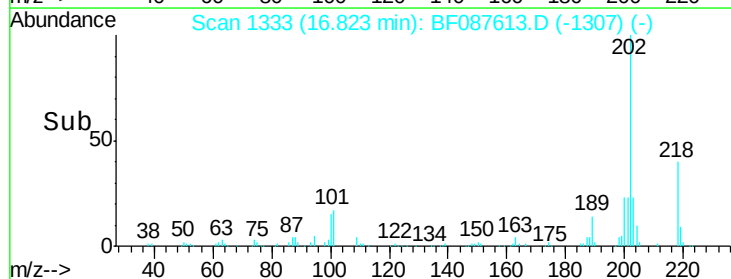
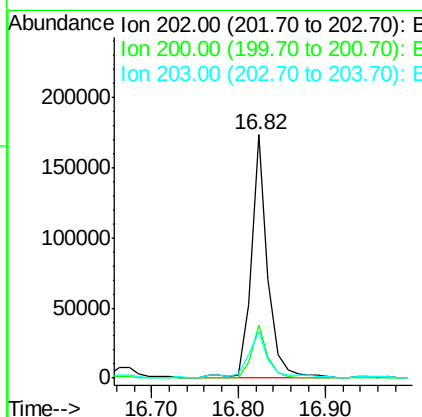
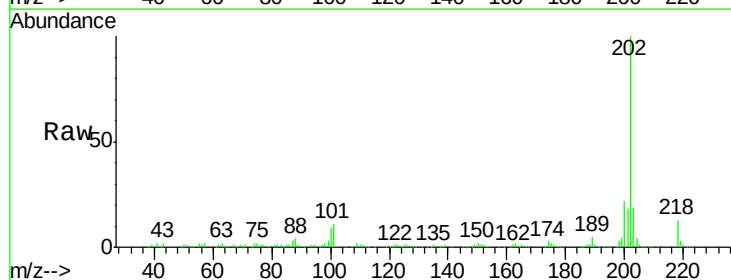
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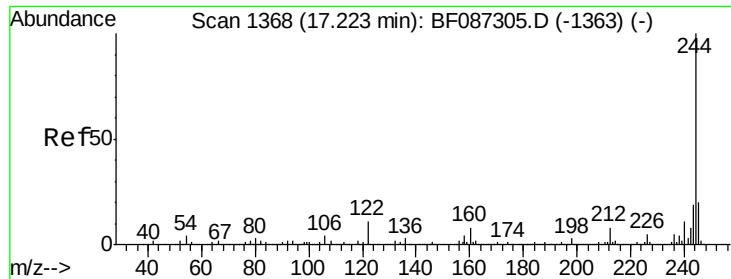
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#77
Pyrene
Concen: 14.16 ng
RT: 16.82 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BF087613.D
Acq: 1 Jun 2016 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	225906		
200	21.8	17.7	26.5	
203	19.2	14.2	21.4	





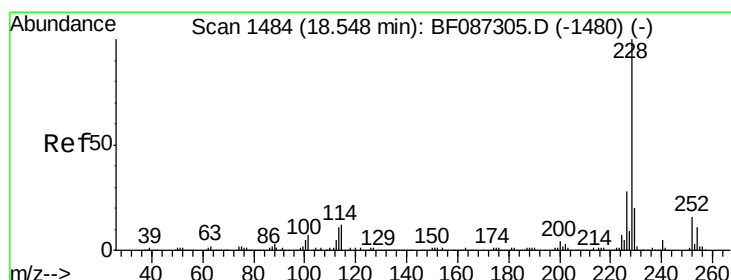
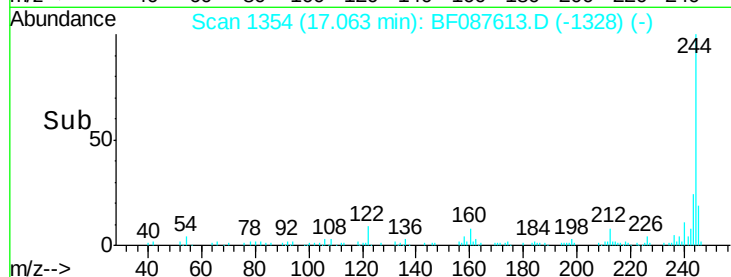
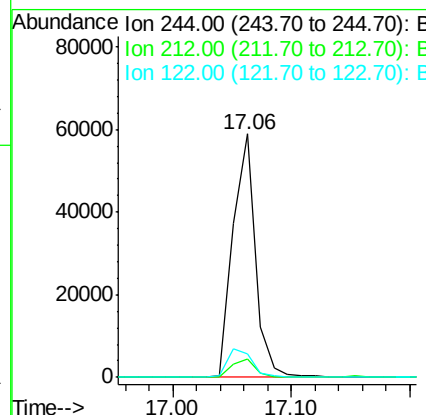
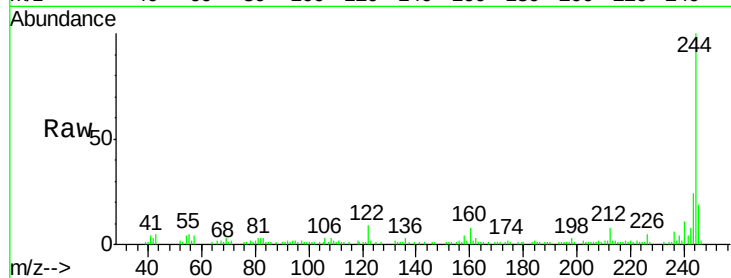
#78
 Terphenyl-d14
 Concen: 7.43 ng
 RT: 17.06 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: BF087613.D
 Acq: 1 Jun 2016 9:27

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1699(0-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	9.4	12.0	18.0

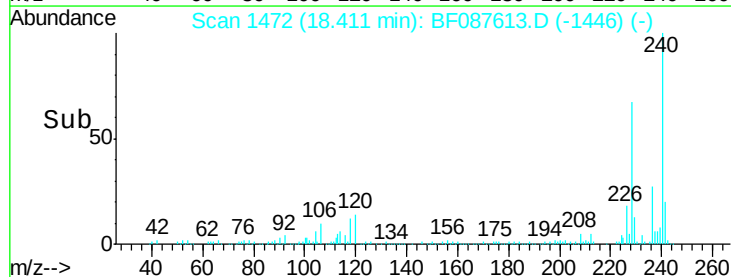
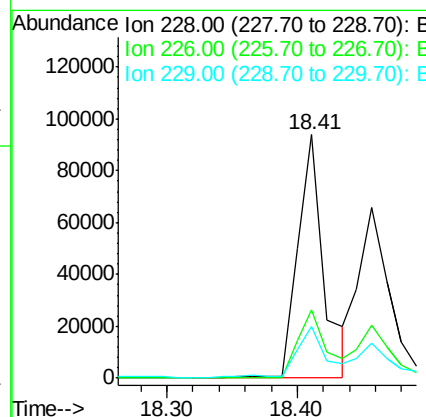
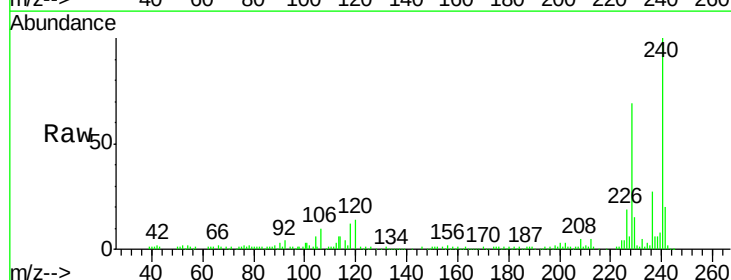
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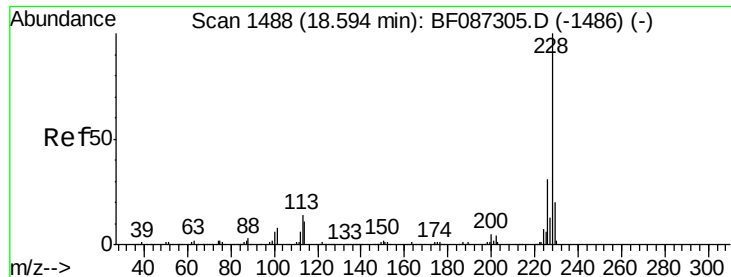
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#80
 Benzo(a)anthracene
 Concen: 10.28 ng
 RT: 18.41 min Scan# 1472
 Delta R.T. -0.00 min
 Lab File: BF087613.D
 Acq: 1 Jun 2016 9:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	21.1	16.6	25.0





#82

Chrysene

Concen: 8.44 ng

RT: 18.46 min Scan# 1476

Delta R.T. -0.00 min

Lab File: BF087613.D

Acq: 1 Jun 2016 9:27

Instrument :

BNA_F

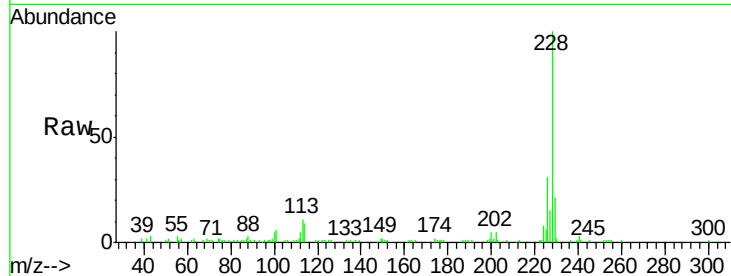
ClientSampleId :

CHS-STA-1699(0-4)

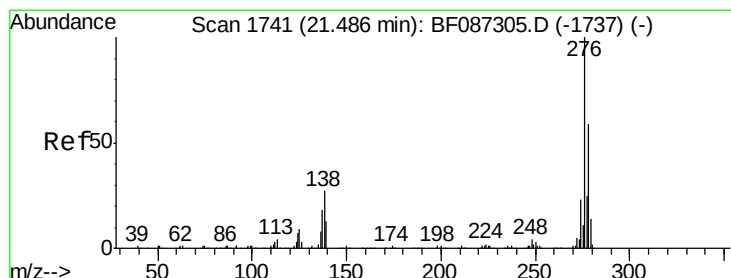
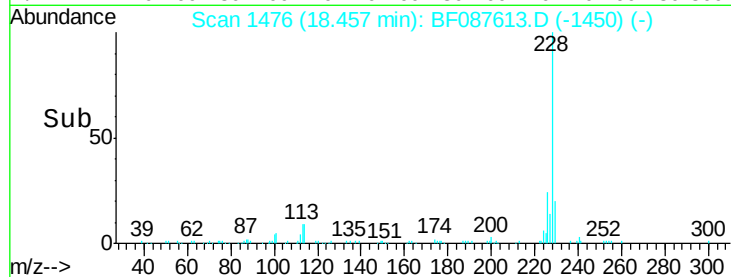
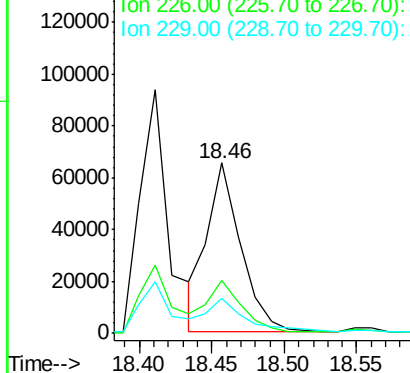
Tot Ion:	228	Resp:	105632
Ion Ratio		Lower	Upper
228	100		
226	30.9	24.4	36.6
229	20.9	15.8	23.8

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.24 ng m

RT: 21.38 min Scan# 1732

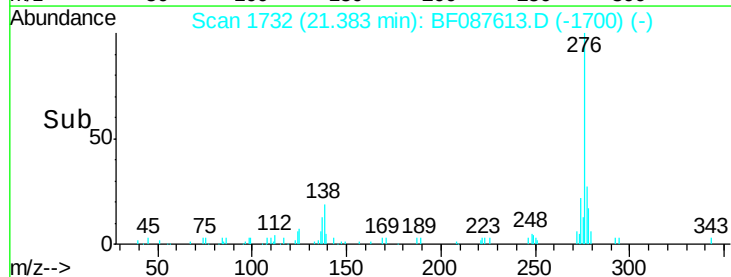
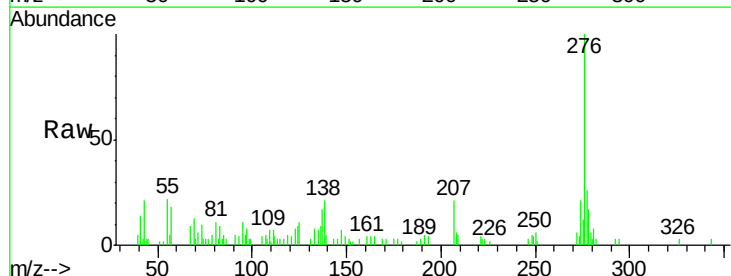
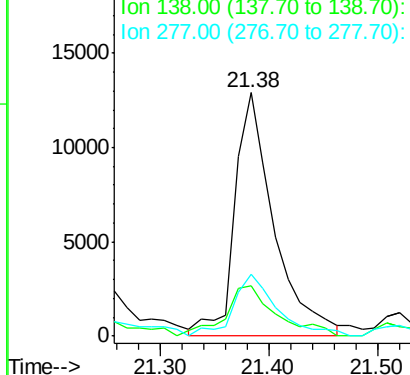
Delta R.T. 0.07 min

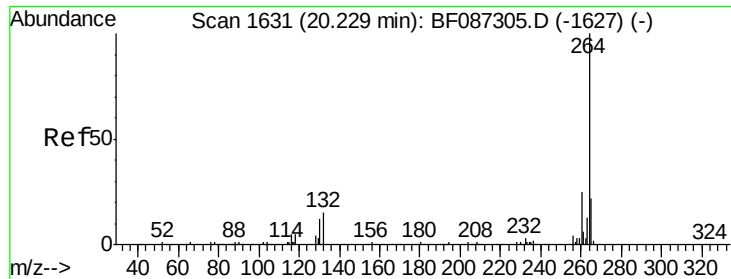
Lab File: BF087613.D

Acq: 1 Jun 2016 9:27

Tgt Ion:	276	Resp:	32445
Ion Ratio		Lower	Upper
276	100		
138	7.2	25.6	38.4#
277	9.6	20.5	30.7#

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





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.10 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF087613.D

Acq: 1 Jun 2016 9:27

Instrument :

BNA_F

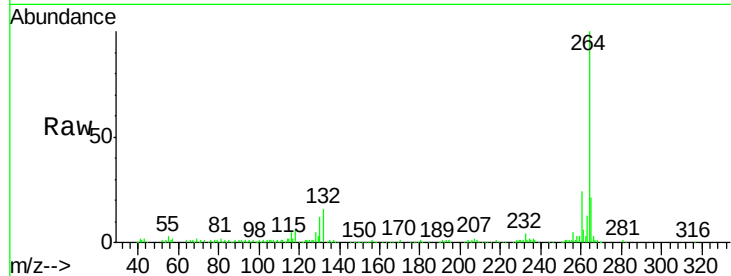
ClientSampleId :

CHS-STA-1699(0-4)

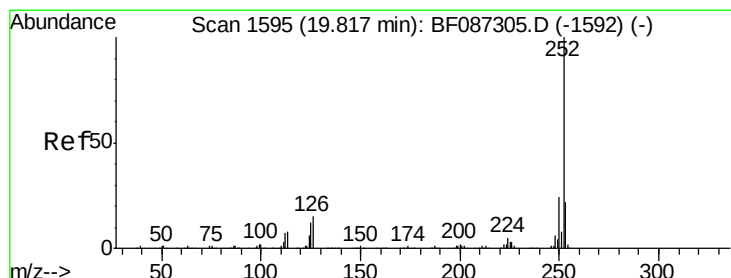
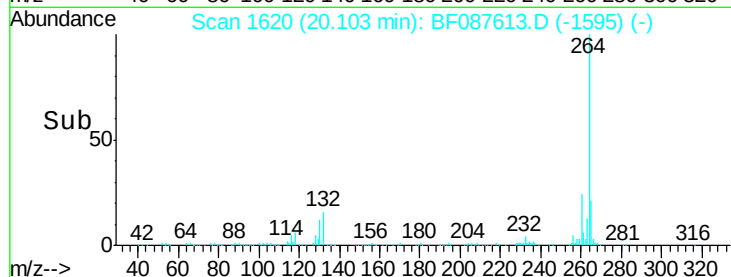
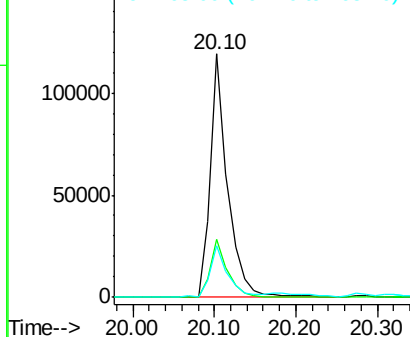
Tot Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	23.9		19.5	29.3	
265	21.1		17.3	25.9	

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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



#87

Benzo(b)fluoranthene

Concen: 11.23 ng m

RT: 19.70 min Scan# 1585

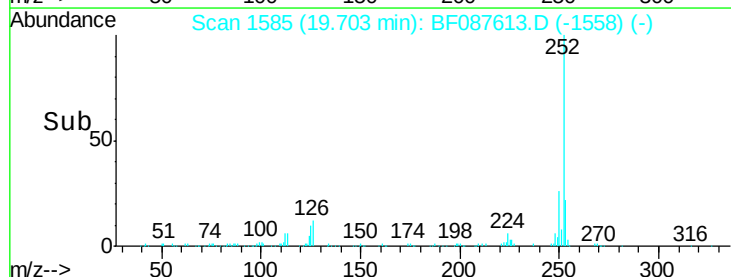
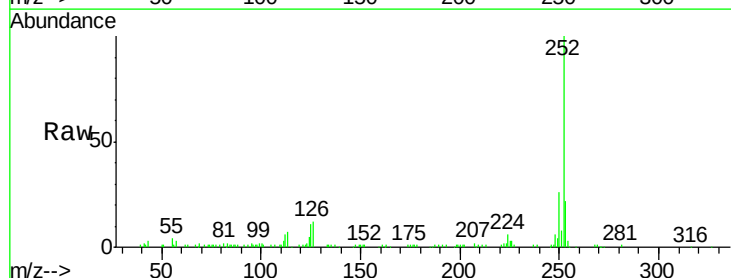
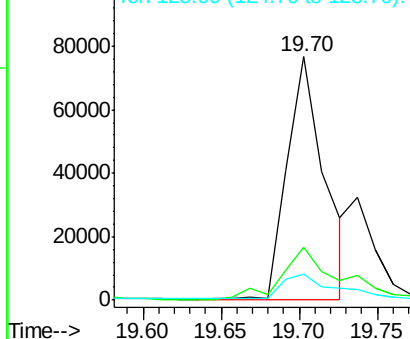
Delta R.T. 0.01 min

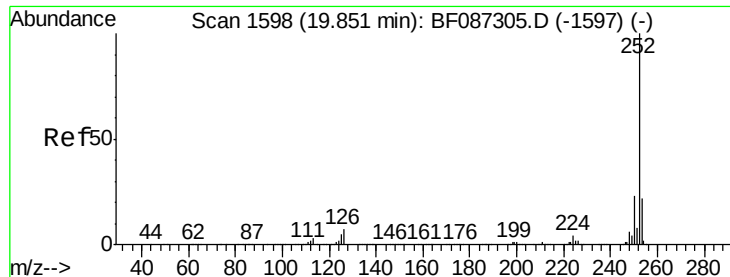
Lab File: BF087613.D

Acq: 1 Jun 2016 9:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	21.7		17.8	26.6	
125	10.8		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





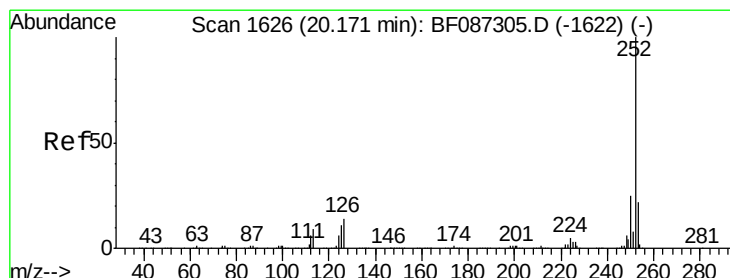
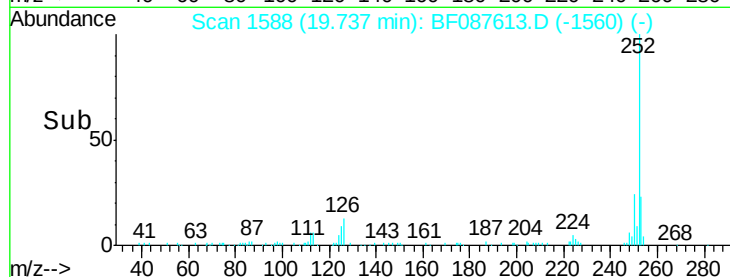
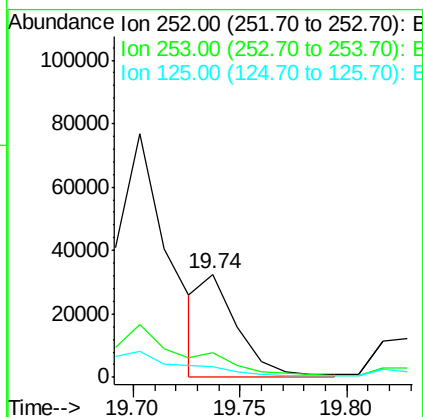
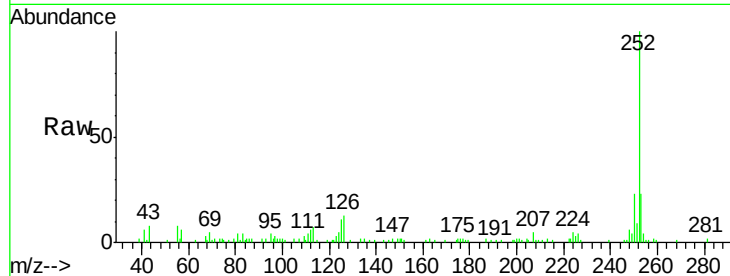
#88
Benzo(k)fluoranthene
Concen: 3.97 ng m
RT: 19.74 min Scan# 1588
Delta R.T. 0.02 min
Lab File: BF087613.D
Acq: 1 Jun 2016 9:27

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1699(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	10.7	9.1	13.7

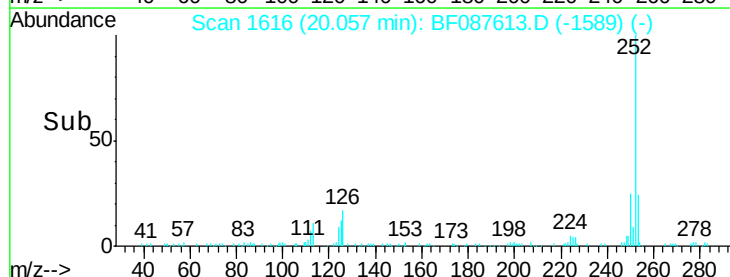
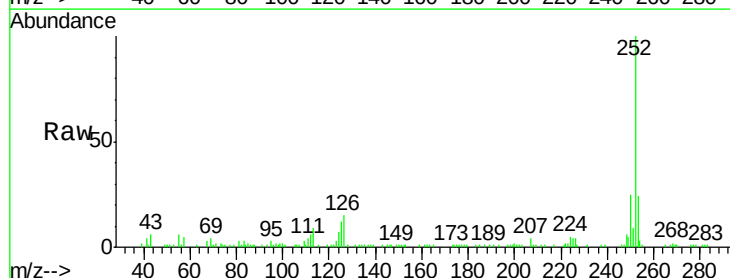
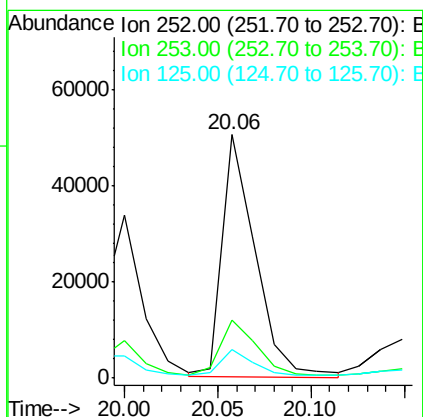
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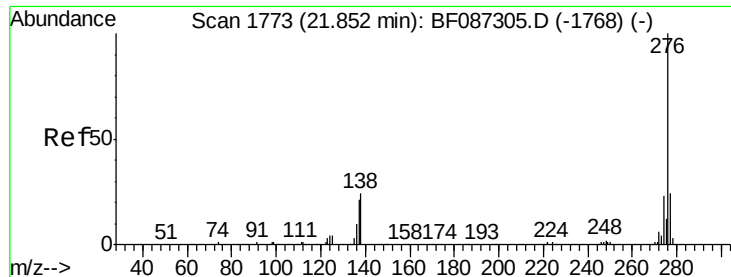
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#89
Benzo(a)pyrene
Concen: 6.41 ng
RT: 20.06 min Scan# 1616
Delta R.T. 0.01 min
Lab File: BF087613.D
Acq: 1 Jun 2016 9:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	11.6	9.0	13.6





#91

Benzo(a,h,i)perylene

Concen: 3.13 ng

RT: 21.75 min Scan# 1764

Delta R.T. 0.07 min

Lab File: BF087613.D

Acq: 1 Jun 2016 9:27

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1699(0-4)

Tot Ion:	276	Resp:	25975
Ion Ratio	Lower	Upper	
276	100		
277	27.3	19.6	29.4
138	24.4	23.6	35.4

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