

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
 Data File : BF087616.D
 Acq On : 1 Jun 2016 11:09
 Operator : UM/SJ
 Sample : H3190-19DL 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1685(0-4)

Manual Integrations
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Quant Time: Jun 01 14:29:21 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	105110	20.00	ng	-0.08
21) Naphthalene-d8	9.47	136	421912	20.00	ng	-0.08
38) Acenaphthene-d10	12.30	164	181594	20.00	ng	-0.09
63) Phenanthrene-d10	14.70	188	289103	20.00	ng	-0.08
75) Chrysene-d12	18.41	240	234314	20.00	ng	-0.07
86) Perylene-d12	20.10	264	192375	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	79879m	13.35	ng	0.02
7) Phenol-d6	7.07	99	104017m	12.87	ng	0.00
23) Nitrobenzene-d5	8.42	82	71344m	8.52	ng	-0.02
41) 2,4,6-Tribromophenol	13.62	330	15879	9.10	ng	-0.06
44) 2-Fluorobiphenyl	11.24	172	117501	9.12	ng	-0.09
78) Terphenyl-d14	17.06	244	66559	6.04	ng	-0.07
Target Compounds						Qvalue
70) Phenanthrene	14.74	178	123011	7.68	ng	98
74) Fluoranthene	16.51	202	249711	15.55	ng	95
77) Pyrene	16.82	202	203385	12.06	ng	98
80) Benzo(a)anthracene	18.41	228	89342m	6.70	ng	
82) Chrysene	18.46	228	109439m	8.27	ng	
85) Indeno(1,2,3-cd)pyrene	21.37	276	37415m	3.53	ng	
87) Benzo(b)fluoranthene	19.70	252	112649m	9.19	ng	
88) Benzo(k)fluoranthene	19.71	252	50702m	4.81	ng	
89) Benzo(a)pyrene	20.06	252	64829	6.12	ng	96
91) Benzo(g,h,i)perylene	21.73	276	35449	3.97	ng	# 91

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

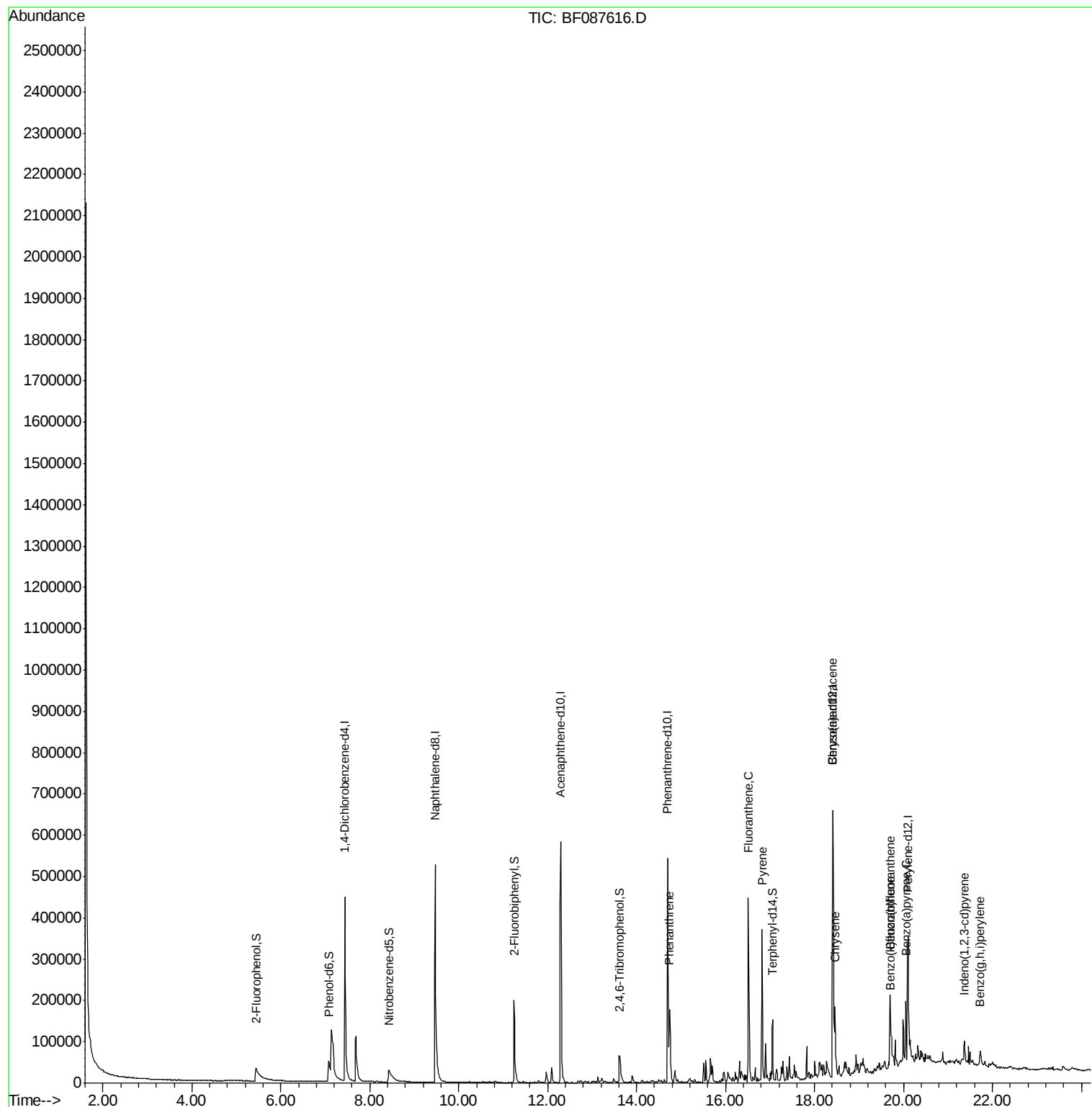
Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
Data File : BF087616.D
Acq On : 1 Jun 2016 11:09
Operator : UM/SJ
Sample : H3190-19DL 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

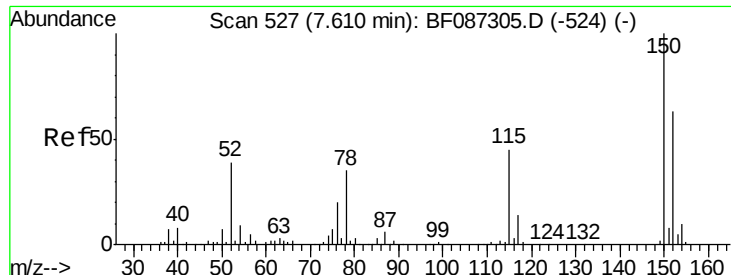
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1685(0-4)

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Quant Time: Jun 01 14:29:21 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
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#1

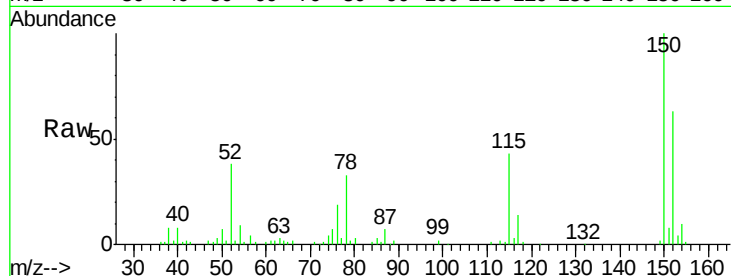
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.44 min Scan# 512
Delta R.T. -0.08 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1685(0-4)

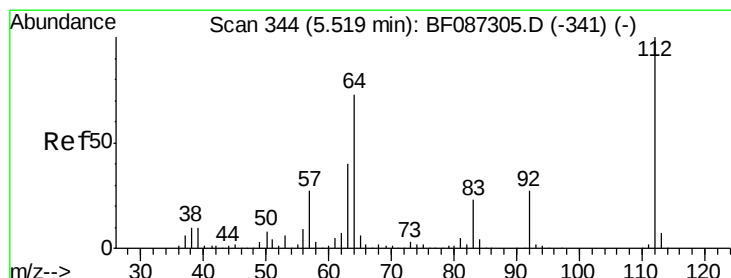
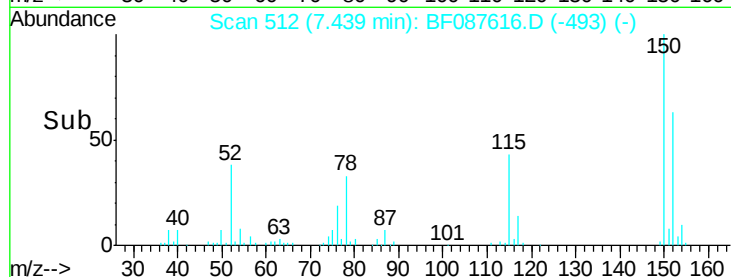
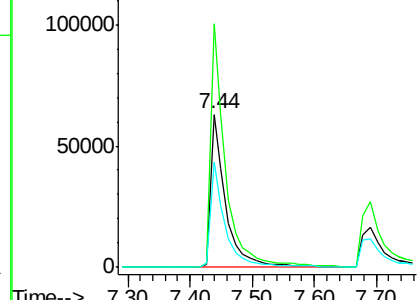
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	125.8	188.6
115	68.9	51.5	77.3

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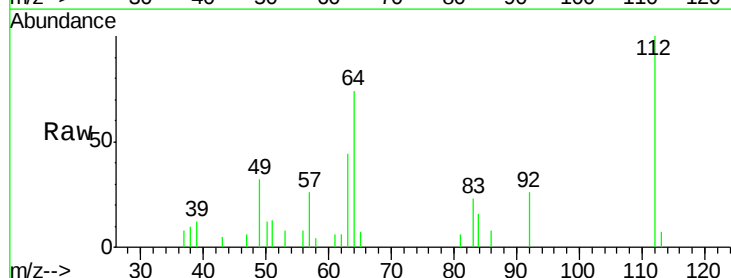
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



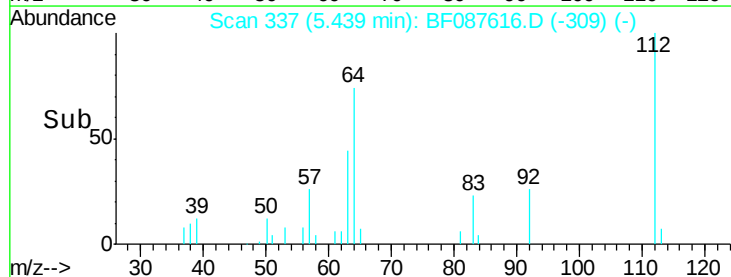
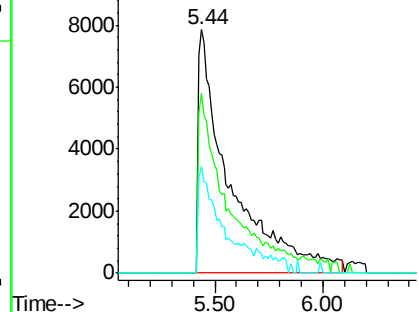
#5

2-Fluorophenol
Concen: 13.35 ng m
RT: 5.44 min Scan# 337
Delta R.T. 0.02 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.6	52.1	78.1
63	43.8	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: 12.87 ng/mL

RT: 7.07 min Scan# 480

Delta R.T. 0.00 min

Lab File: BF087616.D

Acq: 1 Jun 2016 11:09

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1685(0-4)

Tot Ion: 99 Resp: 104017
Ion Ratio Lower Upper

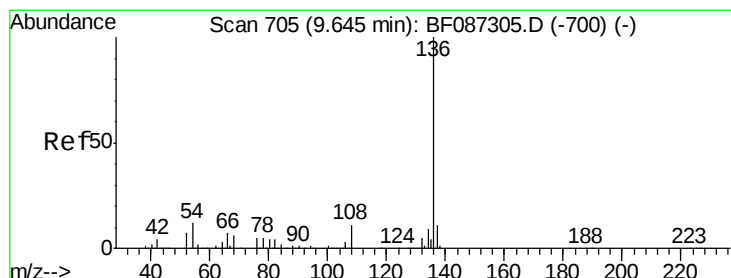
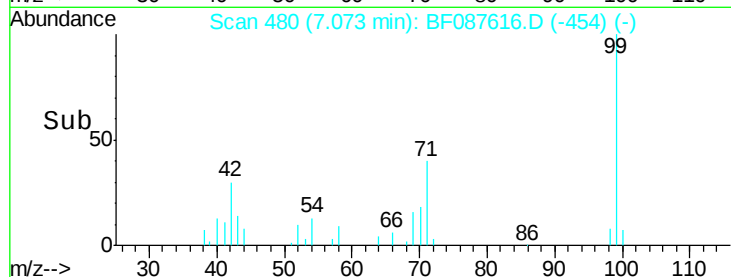
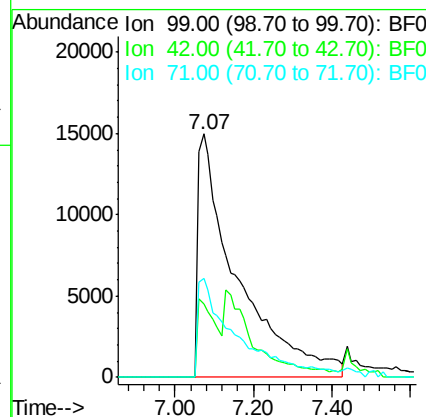
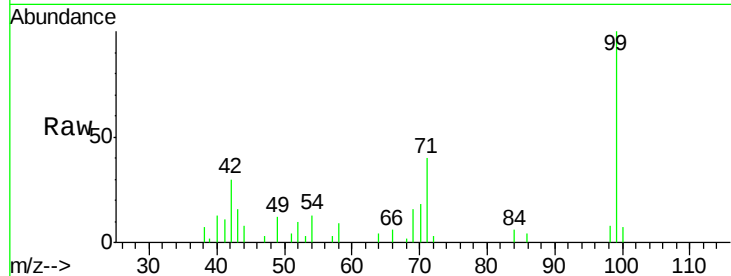
99 100

42 30.1 13.6 20.4#

71 40.4 24.6 36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.08 min

Lab File: BF087616.D

Acq: 1 Jun 2016 11:09

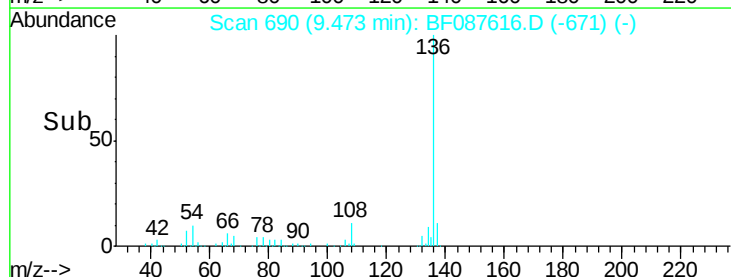
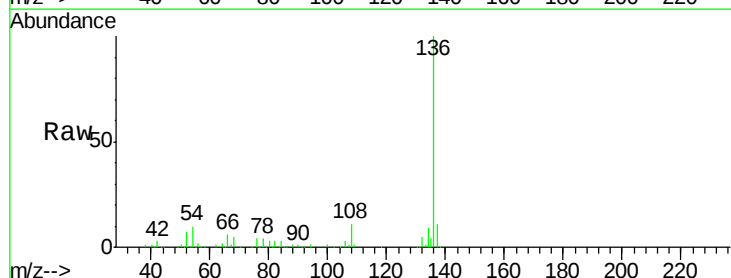
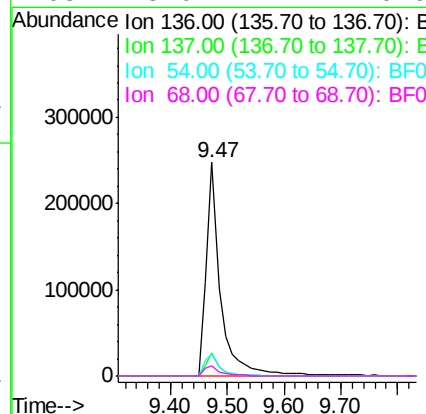
Tgt Ion: 136 Resp: 421912
Ion Ratio Lower Upper

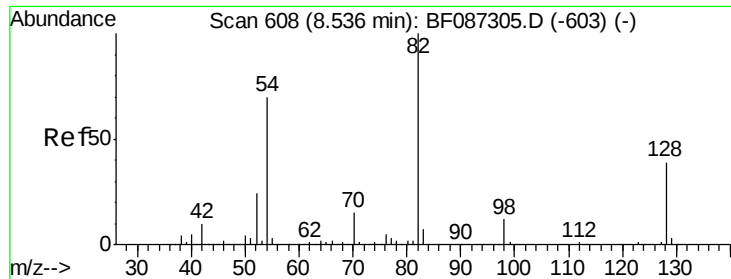
136 100

137 10.9 8.8 13.2

54 10.0 5.0 7.4#

68 5.0 4.4 6.6





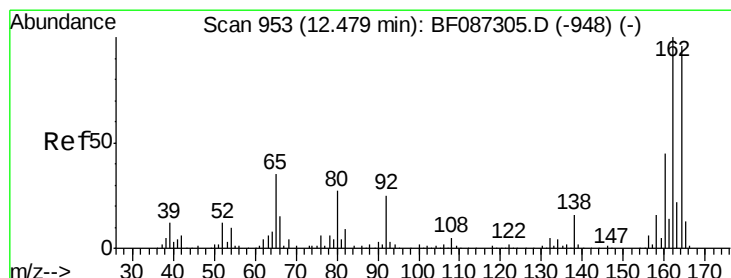
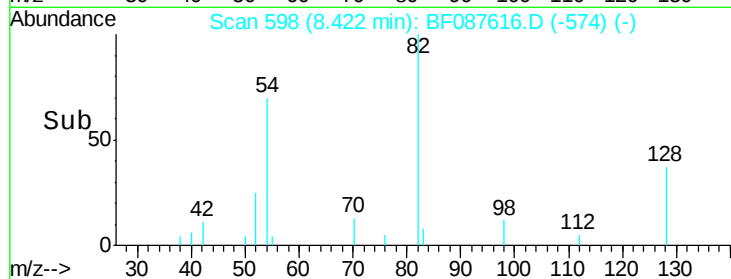
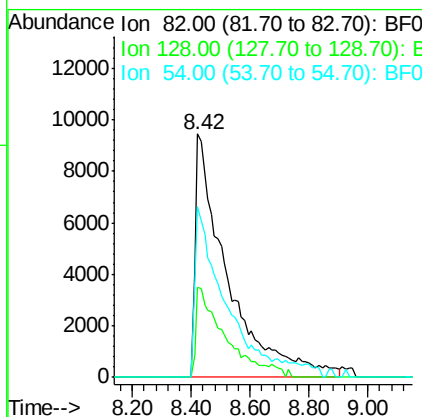
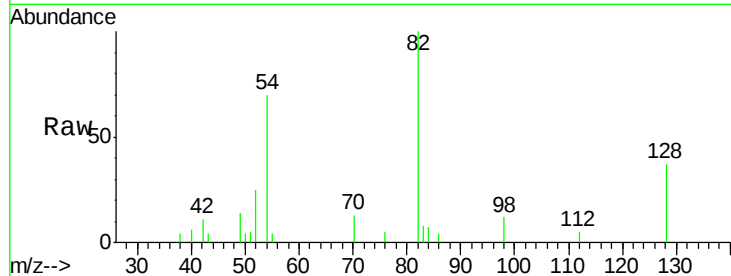
#23
Nitrobenzene-d5
Concen: 8.52 ng/ml
RT: 8.42 min Scan# 598
Delta R.T. -0.02 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1685(0-4)

Tot Ion	82	Resp	71344
Ion Ratio	Lower	Upper	
82	100		
128	37.0	40.6	61.0#
54	70.0	38.1	57.1#

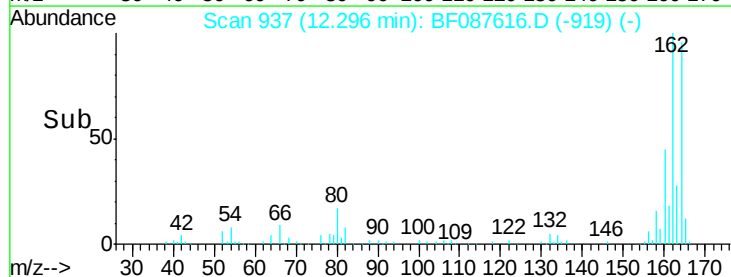
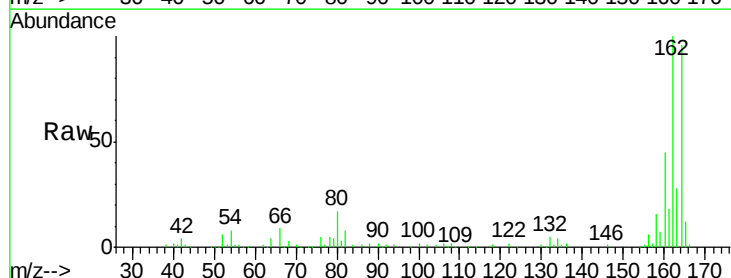
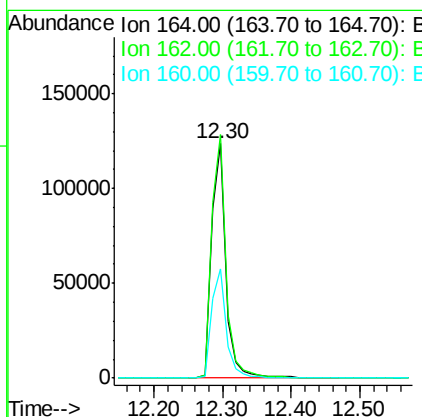
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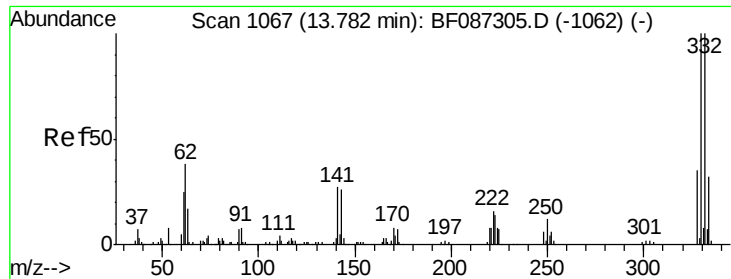
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.30 min Scan# 937
Delta R.T. -0.09 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Tgt Ion	164	Resp	181594
Ion Ratio	Lower	Upper	
164	100		
162	103.9	82.8	124.2
160	46.8	36.9	55.3





#41

2,4,6-Tribromophenol

Concen: 9.10 ng

RT: 13.62 min Scan# 1053

Delta R.T. -0.06 min

Lab File: BF087616.D

Acq: 1 Jun 2016 11:09

Instrument :

BNA_F

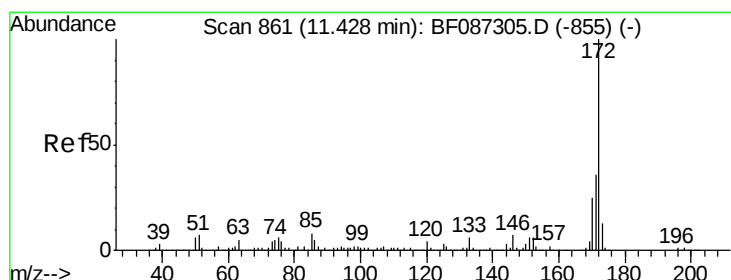
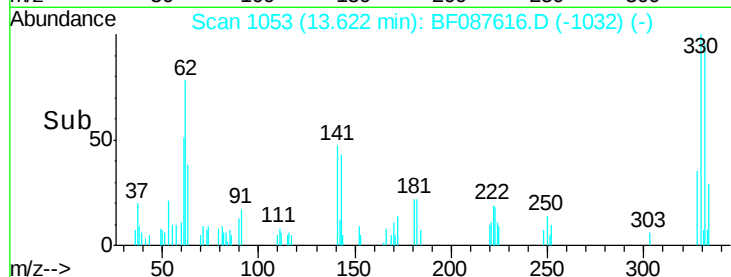
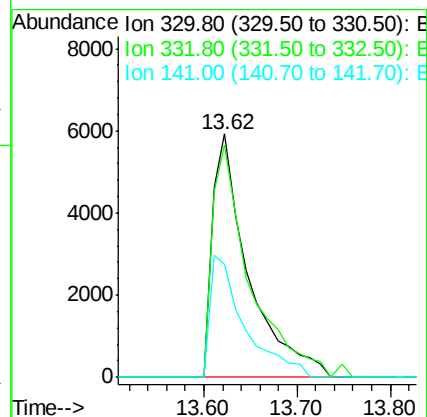
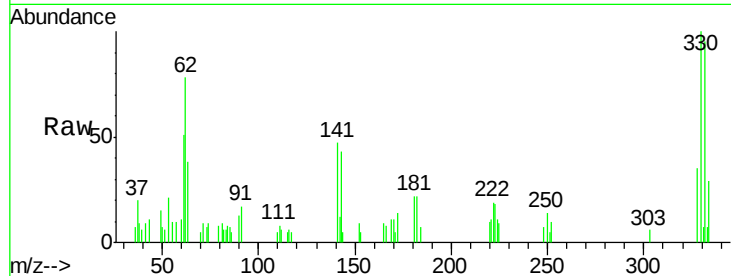
ClientSampleId :

CHS-STA-1685(0-4)

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.7	79.0	118.4
141	48.2	31.2	46.8

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#44

2-Fluorobiphenyl

Concen: 9.12 ng

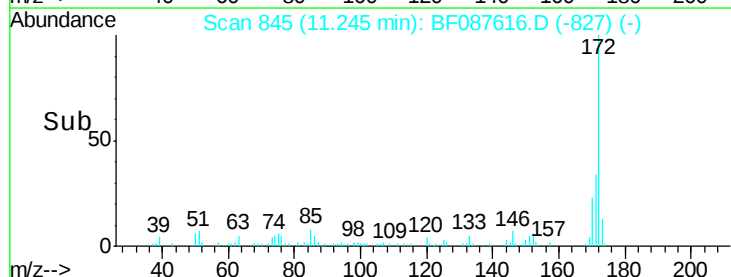
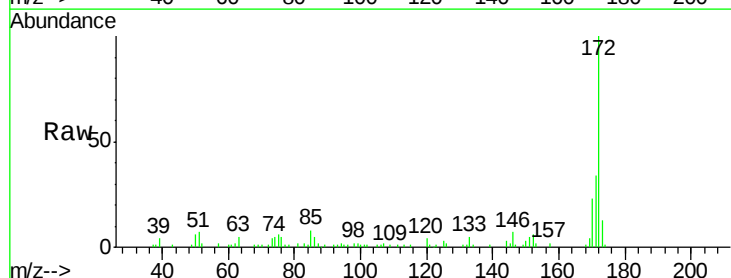
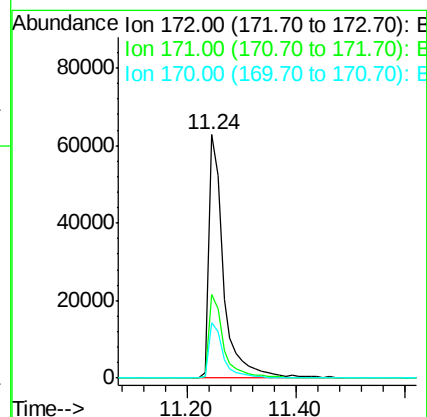
RT: 11.24 min Scan# 845

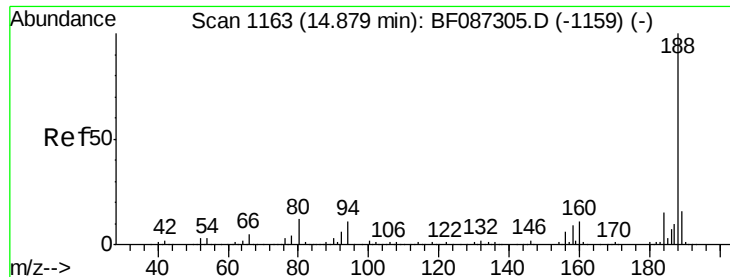
Delta R.T. -0.09 min

Lab File: BF087616.D

Acq: 1 Jun 2016 11:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.0	43.6
170	23.0	19.8	29.8





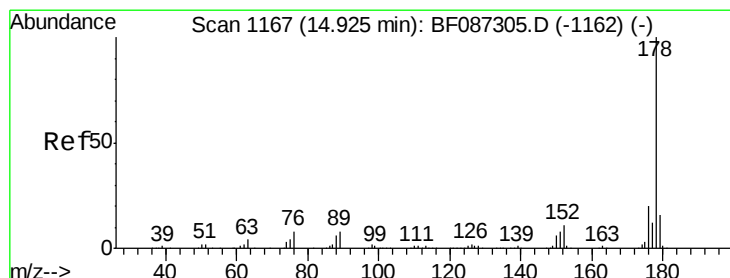
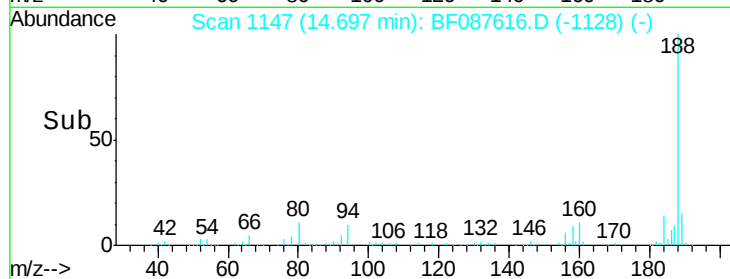
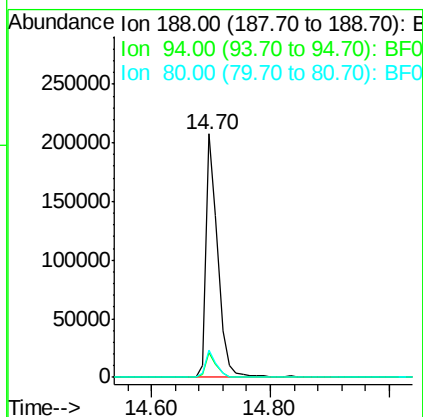
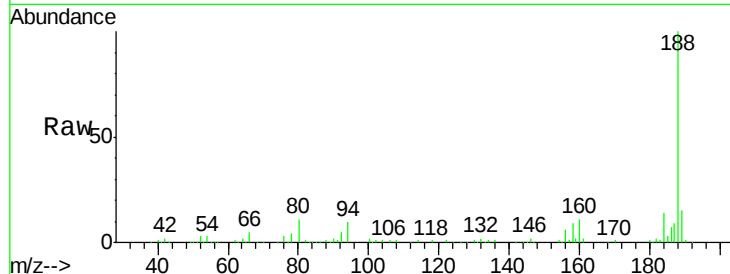
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.08 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1685(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	289103		
94	10.0	6.8	10.2	
80	11.3	7.1	10.7	

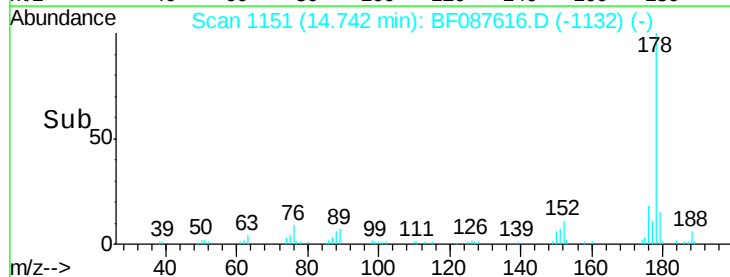
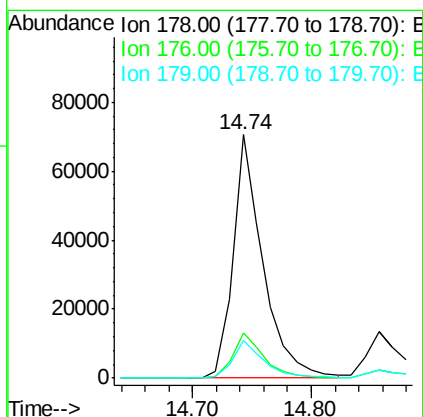
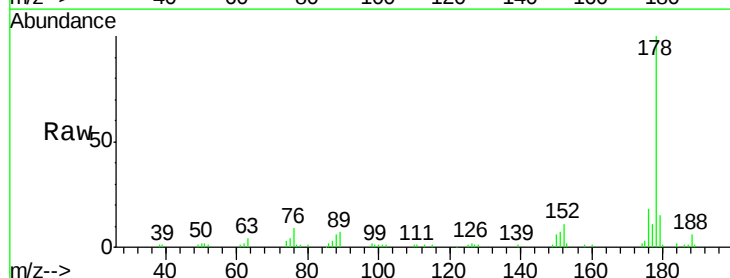
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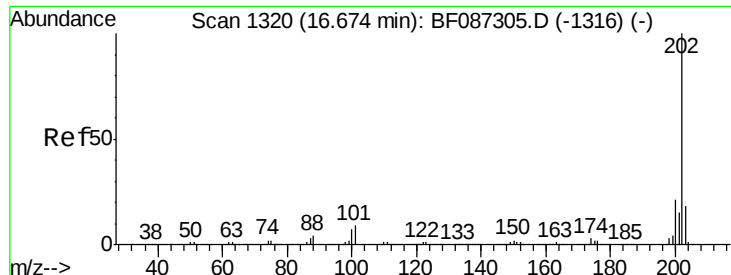
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#70
Phenanthrene
Concen: 7.68 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.08 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	123011		
176	18.4	16.0	24.0	
179	15.2	12.6	18.8	





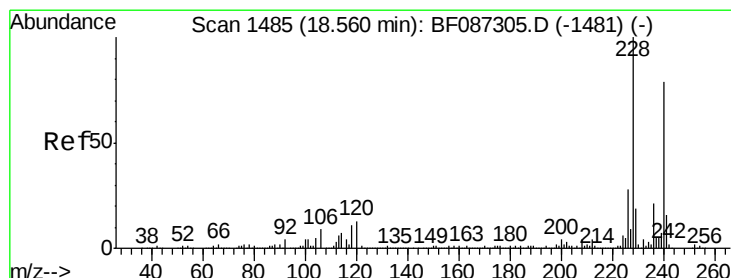
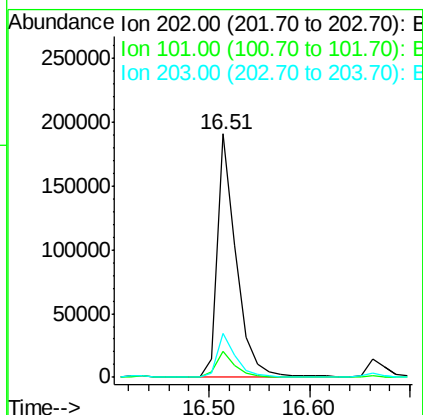
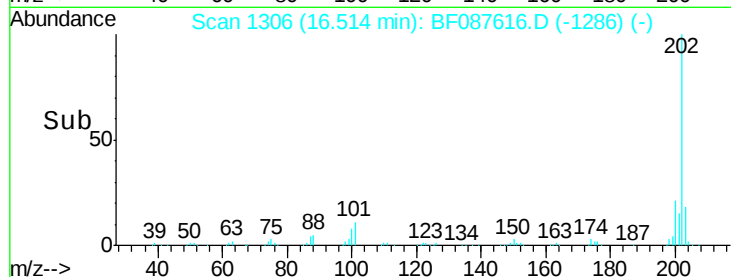
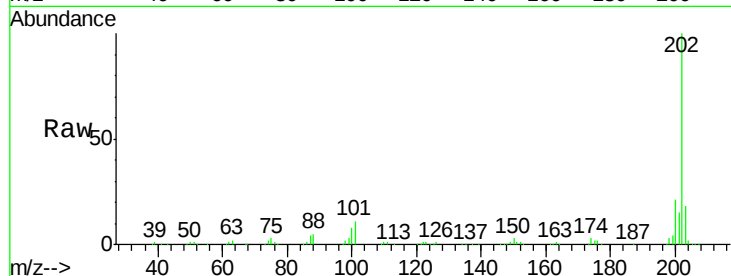
#74
Fluoranthene
Concen: 15.55 ng
RT: 16.51 min Scan# 1306
Delta R.T. -0.07 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1685(0-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.8	0.0	35.4
203	17.8	0.0	38.1

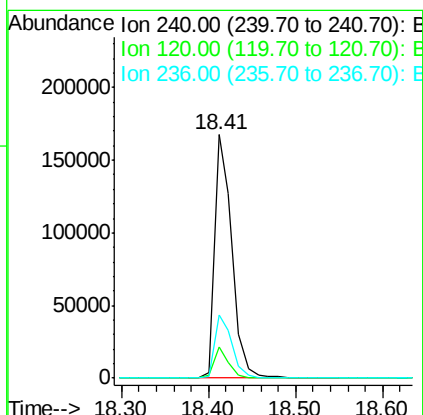
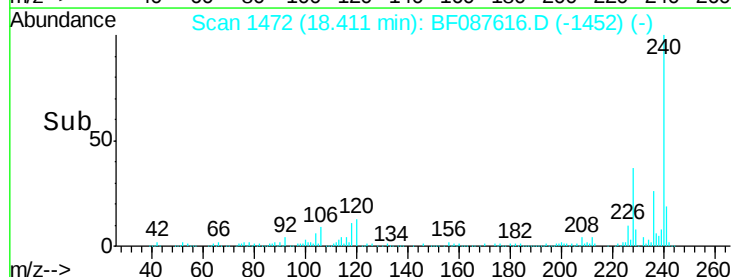
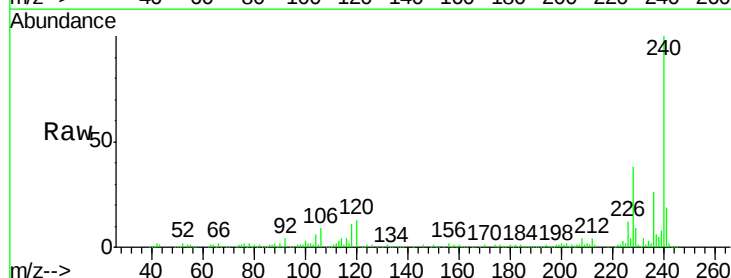
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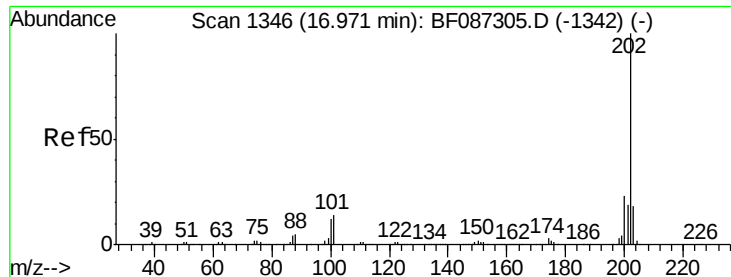
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.41 min Scan# 1472
Delta R.T. -0.07 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.6	11.2	16.8
236	25.9	21.2	31.8





#77

Pvrene

Concen: 12.06 ng

RT: 16.82 min Scan# 1333

Delta R.T. -0.06 min

Lab File: BF087616.D

Acq: 1 Jun 2016 11:09

Instrument :

BNA_F

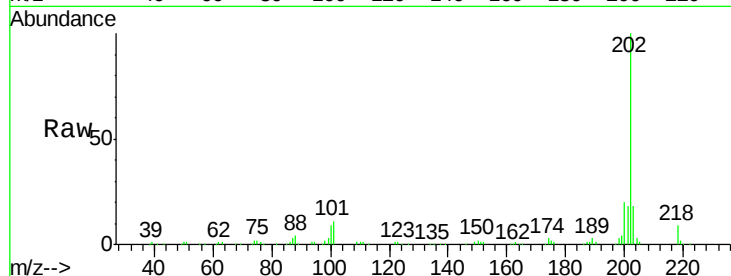
ClientSampleId :

CHS-STA-1685(0-4)

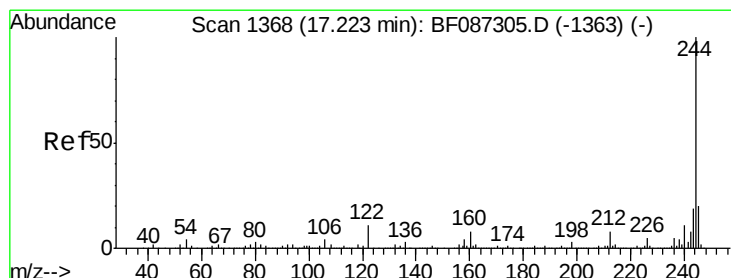
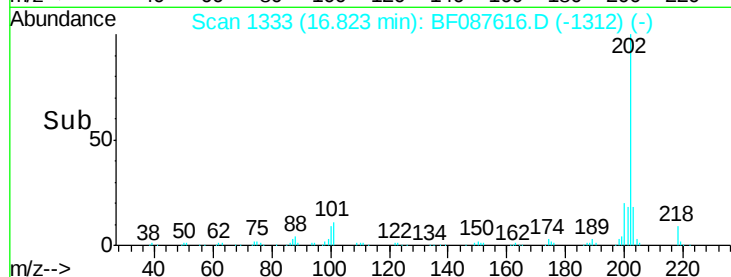
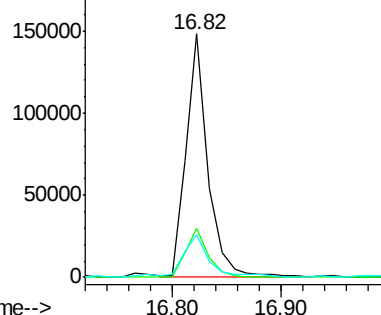
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.2	17.7	26.5
203	17.6	14.2	21.4

Manual Integrations
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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: 6.04 ng

RT: 17.06 min Scan# 1354

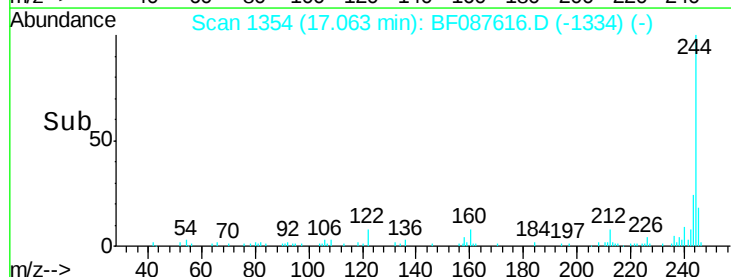
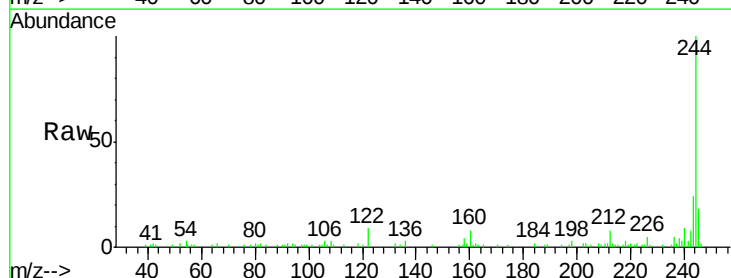
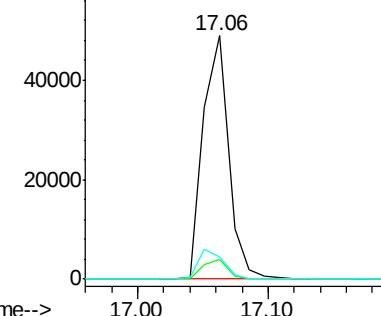
Delta R.T. -0.07 min

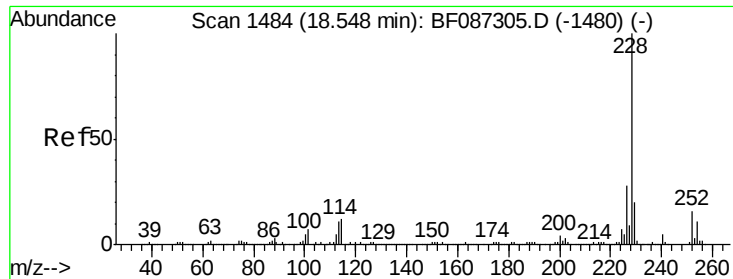
Lab File: BF087616.D

Acq: 1 Jun 2016 11:09

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.9	6.2	9.2
122	9.0	12.0	18.0#

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





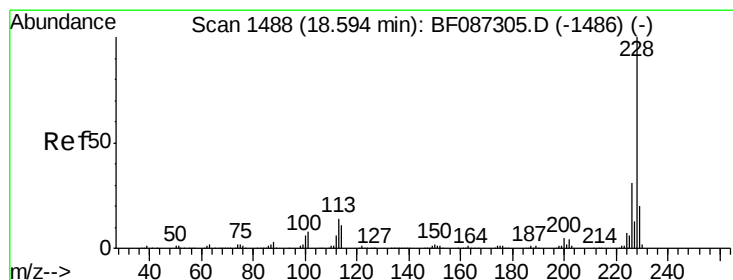
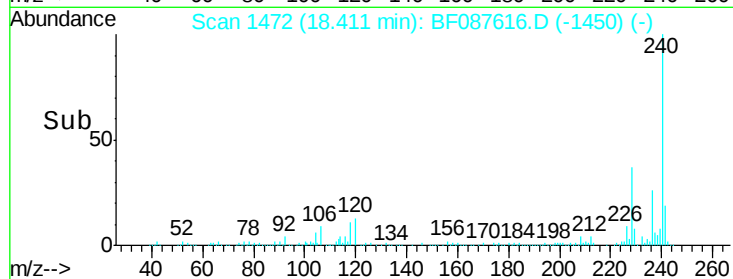
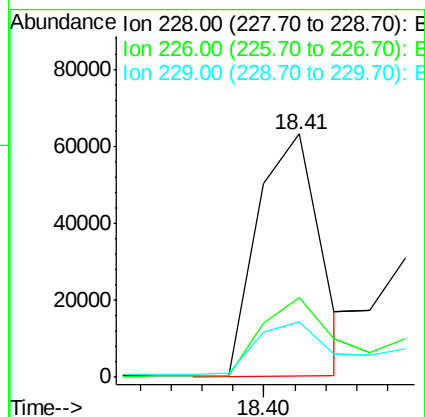
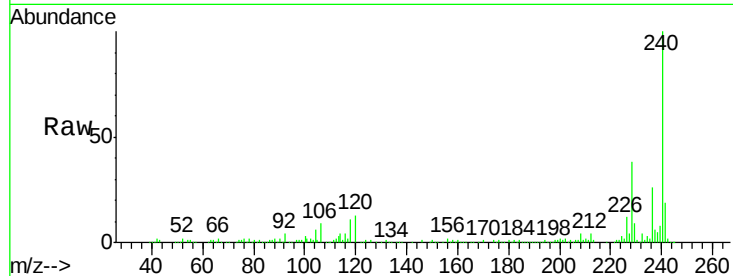
#80
Benzo(a)anthracene
Concen: 6.70 ng m
RT: 18.41 min Scan# 1472
Delta R.T. -0.05 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1685(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.0	22.5	33.7
229	22.6	16.6	25.0

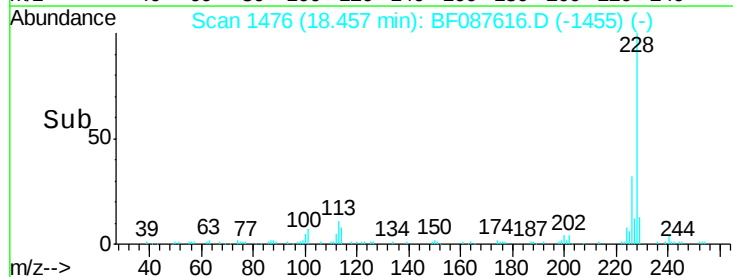
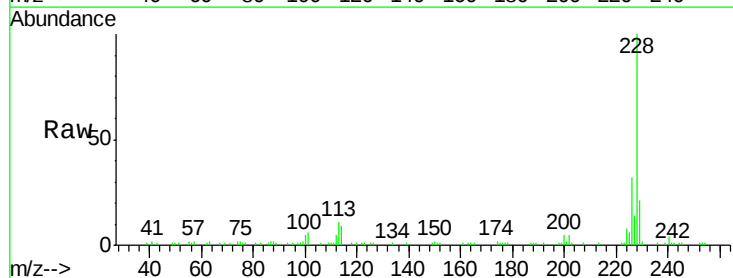
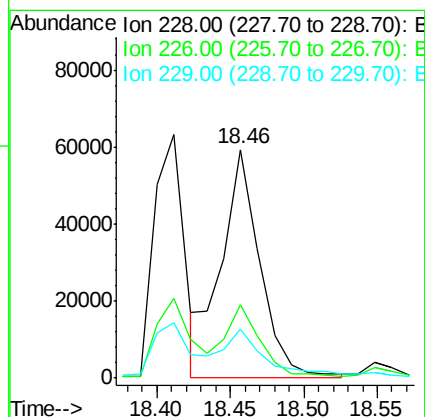
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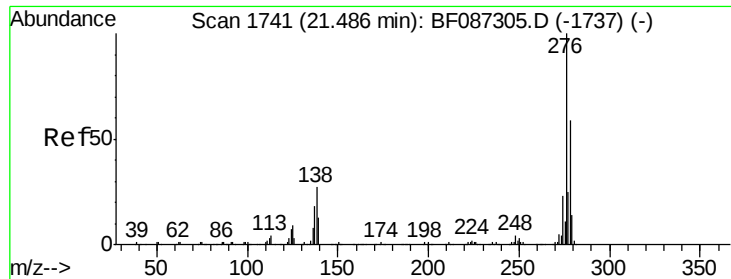
sohil
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#82
Chrysene
Concen: 8.27 ng m
RT: 18.46 min Scan# 1476
Delta R.T. -0.06 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.4	36.6
229	21.5	15.8	23.8





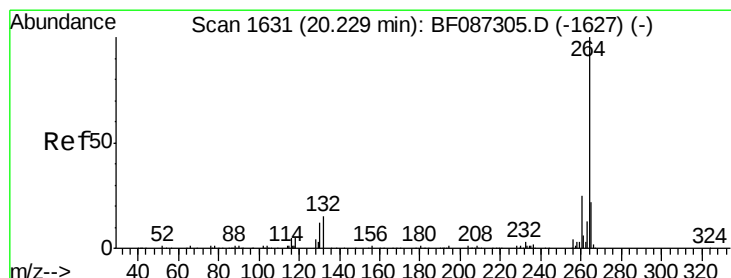
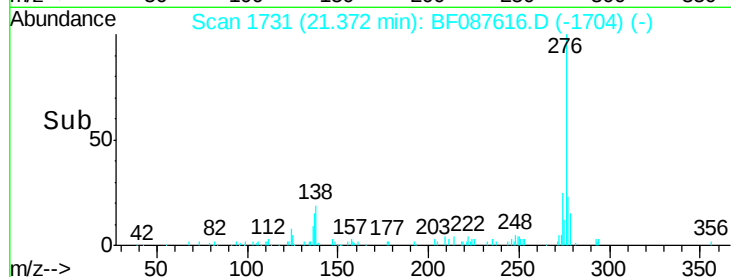
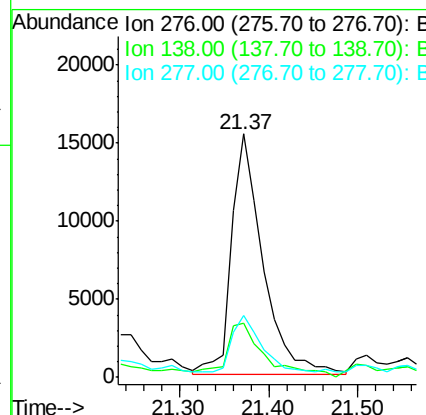
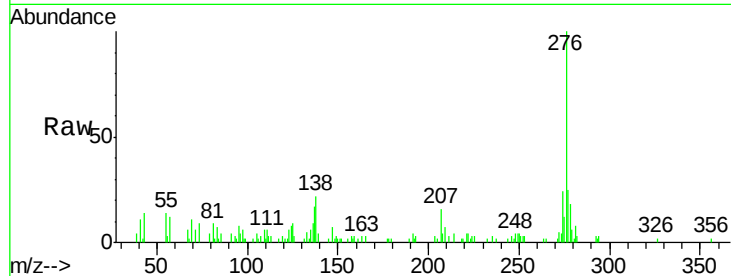
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.53 ng/ml
RT: 21.37 min Scan# 1731
Delta R.T. 0.01 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1685(0-4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.0	25.6	38.4#
277	3.4	20.5	30.7#

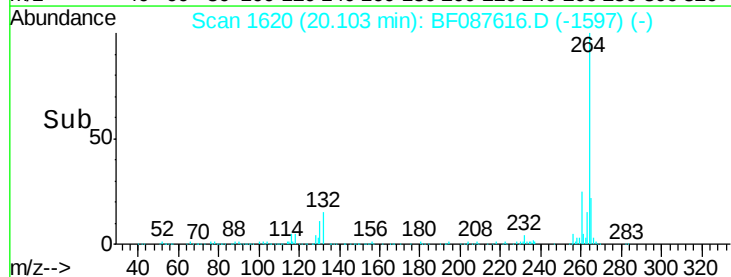
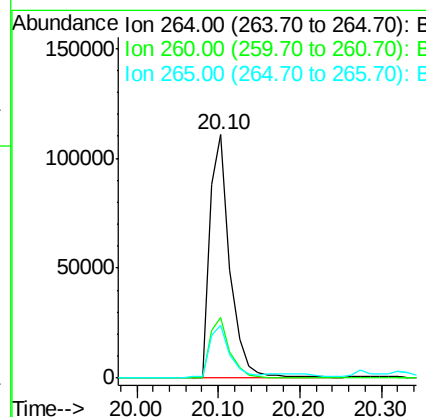
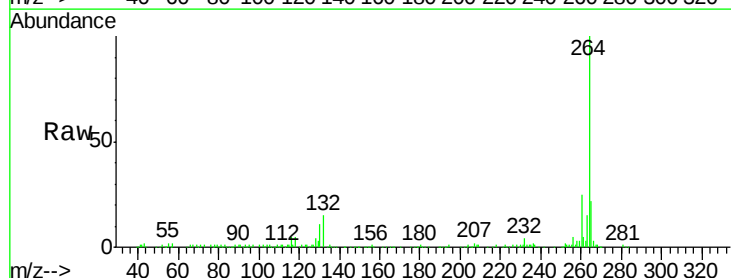
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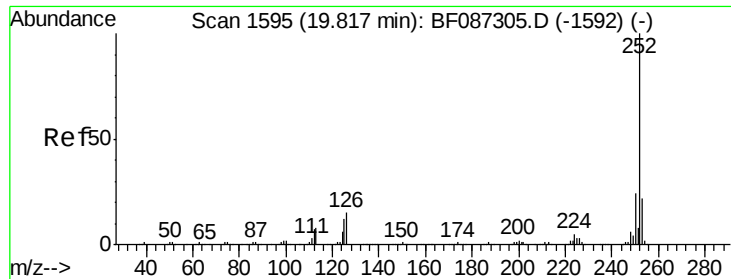
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.10 min Scan# 1620
Delta R.T. -0.03 min
Lab File: BF087616.D
Acq: 1 Jun 2016 11:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	21.7	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 9.19 ng m

RT: 19.70 min Scan# 1585

Delta R.T. -0.02 min

Lab File: BF087616.D

Acq: 1 Jun 2016 11:09

Instrument :

BNA_F

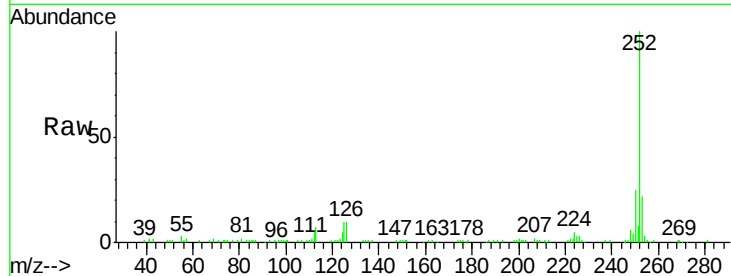
ClientSampleId :

CHS-STA-1685(0-4)

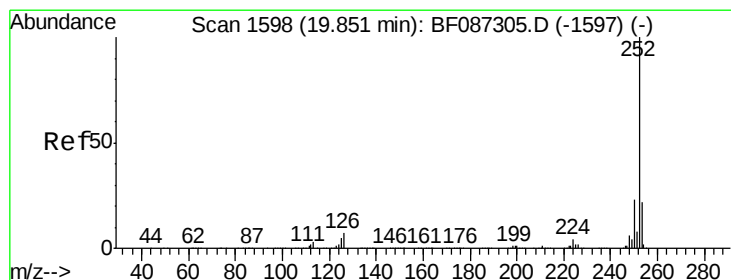
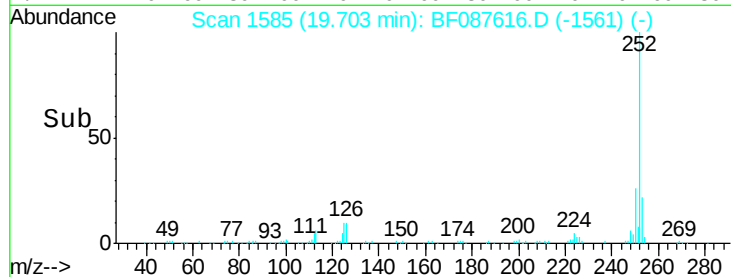
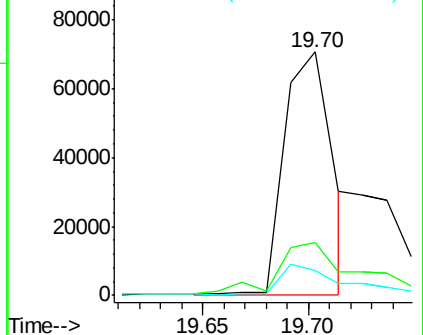
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	10.4	11.4	17.0

Manual Integrations
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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



#88

Benzo(k)fluoranthene

Concen: 4.81 ng m

RT: 19.71 min Scan# 1586

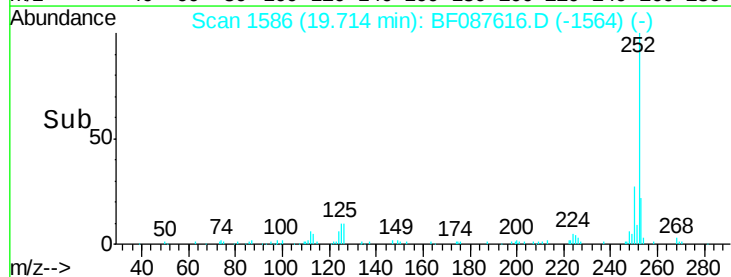
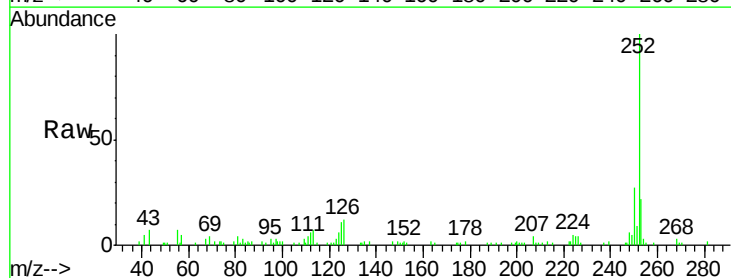
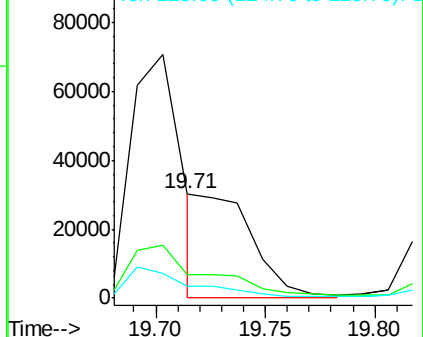
Delta R.T. -0.05 min

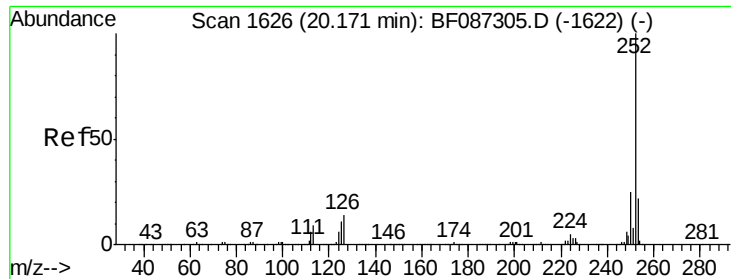
Lab File: BF087616.D

Acq: 1 Jun 2016 11:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.3	9.1	13.7

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





#89

Benzo(a)pyrene

Concen: 6.12 ng

RT: 20.06 min Scan# 1616

Delta R.T. -0.02 min

Lab File: BF087616.D

Acq: 1 Jun 2016 11:09

Instrument :

BNA_F

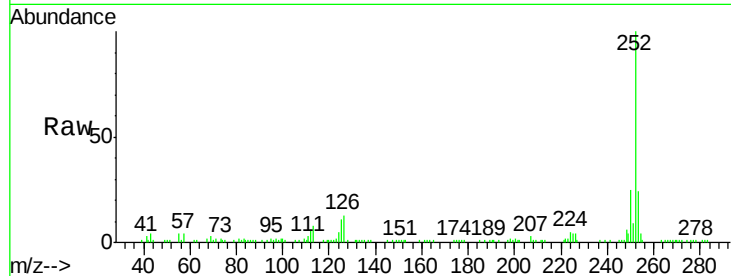
ClientSampleId :

CHS-STA-1685(0-4)

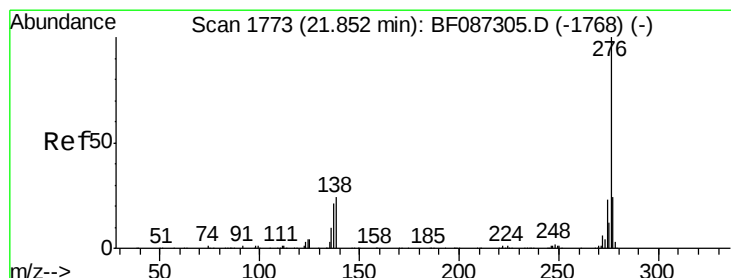
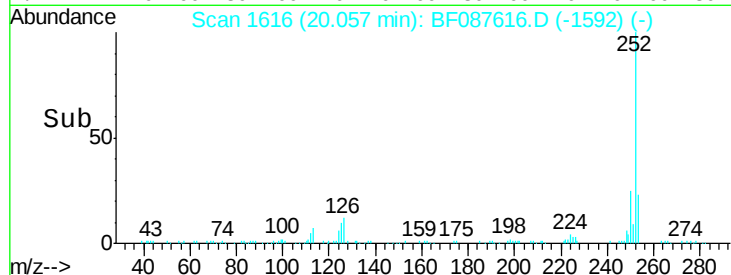
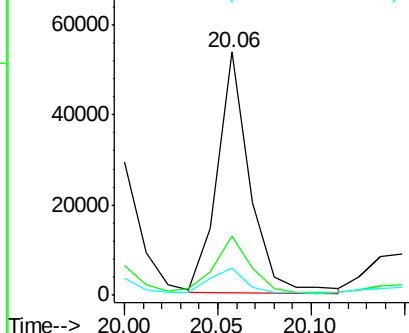
Tot Ion:	252	Resp:	64829
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.2	25.8
125	11.1	9.0	13.6

Manual Integrations
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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



#91

Benzo(g,h,i)perylene

Concen: 3.97 ng

RT: 21.73 min Scan# 1762

Delta R.T. 0.01 min

Lab File: BF087616.D

Acq: 1 Jun 2016 11:09

Tgt Ion:	276	Resp:	35449
Ion Ratio	Lower	Upper	
276	100		
277	27.3	19.6	29.4
138	23.5	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

