

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
 Data File : BF087473.D
 Acq On : 28 May 2016 8:19
 Operator : UM/SJ
 Sample : H3190-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1690(0-4)

Manual Integrations
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Quant Time: May 30 01:12:45 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 30 00:59:34 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	104480	20.00	ng	0.00
21) Naphthalene-d8	9.51	136	419708	20.00	ng	-0.01
38) Acenaphthene-d10	12.34	164	183436	20.00	ng	-0.01
63) Phenanthrene-d10	14.74	188	294974	20.00	ng	-0.01
75) Chrysene-d12	18.45	240	217254	20.00	ng	-0.01
86) Perylene-d12	20.11	264	169631	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	824070	138.59	ng	0.01
7) Phenol-d6	7.04	99	1101841	137.14	ng	-0.01
23) Nitrobenzene-d5	8.40	82	710173	85.28	ng	-0.02
41) 2,4,6-Tribromophenol	13.63	330	195593	110.96	ng	-0.01
44) 2-Fluorobiphenyl	11.29	172	1085540	83.43	ng	-0.01
78) Terphenyl-d14	17.10	244	746665	73.07	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	12.11	152	111687	5.97	ng	99
49) Dimethylphthalate	11.99	163	339630	23.11	ng	99
70) Phenanthrene	14.78	178	436103	26.69	ng	98
71) Anthracene	14.86	178	159002	9.63	ng	97
72) Carbazole	15.17	167	63394	4.50	ng	98
74) Fluoranthene	16.55	202	992209	60.56	ng	95
77) Pyrene	16.86	202	1080662	69.10	ng	100
80) Benzo(a)anthracene	18.43	228	582425	47.13	ng	94
82) Chrysene	18.48	228	527546	43.01	ng	98
85) Indeno(1,2,3-cd)pyrene	21.34	276	192419	19.57	ng	# 87
87) Benzo(b)fluoranthene	19.71	252	626365m	57.97	ng	
88) Benzo(k)fluoranthene	19.74	252	229406m	24.67	ng	
89) Benzo(a)pyrene	20.06	252	303063	32.43	ng	# 95
90) Dibenzo(a,h)anthracene	21.34	278	47749m	5.99	ng	
91) Benzo(a,h,i)perylene	21.69	276	165030	20.98	ng	# 91

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

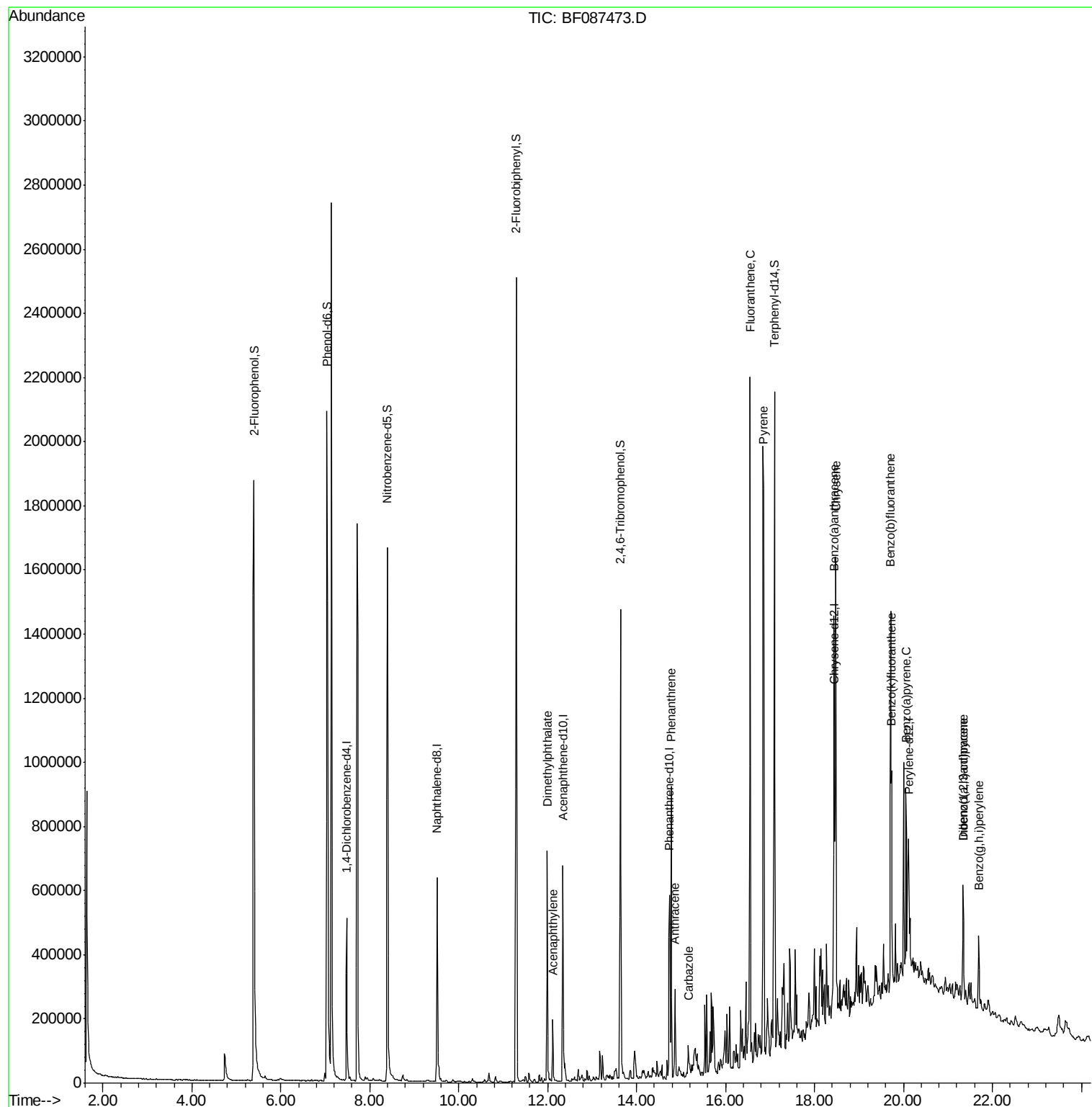
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.48 min Scan# 516

Delta R.T. 0.00 min

Lab File: BF087473.D

Acq: 28 May 2016 8:19

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1690(0-4)

Tot Ion:152 Resp: 104480

Ion Ratio Lower Upper

152 100

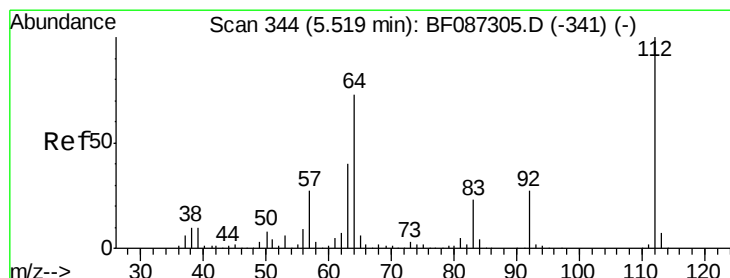
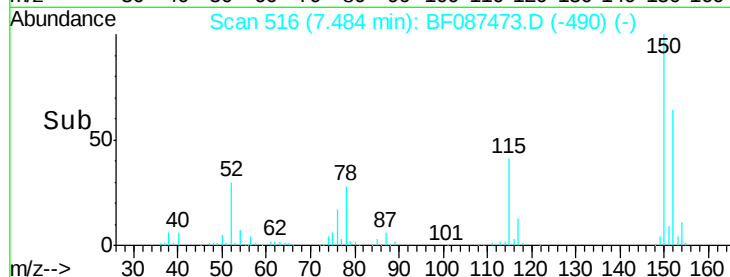
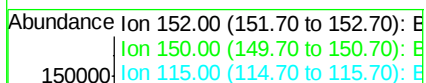
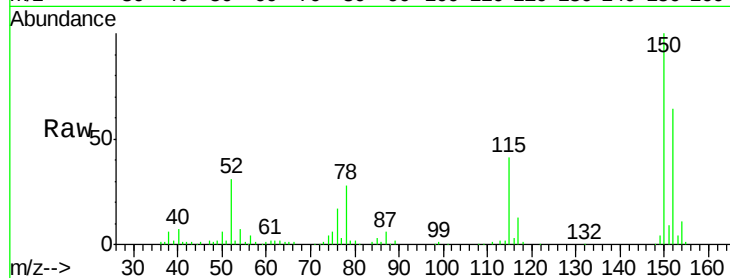
150 157.4 125.8 188.6

115 64.1 51.5 77.3

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#5

2-Fluorophenol

Concen: 138.59 ng

RT: 5.39 min Scan# 333

Delta R.T. 0.01 min

Lab File: BF087473.D

Acq: 28 May 2016 8:19

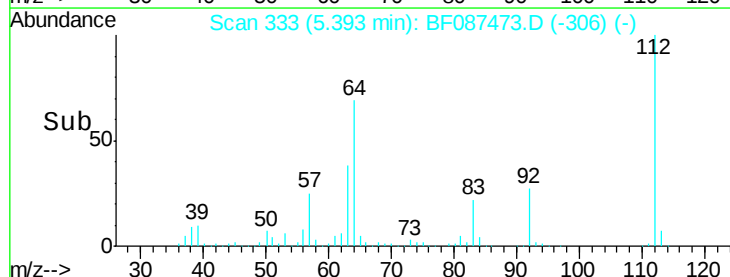
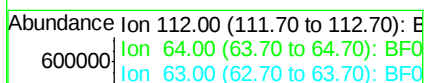
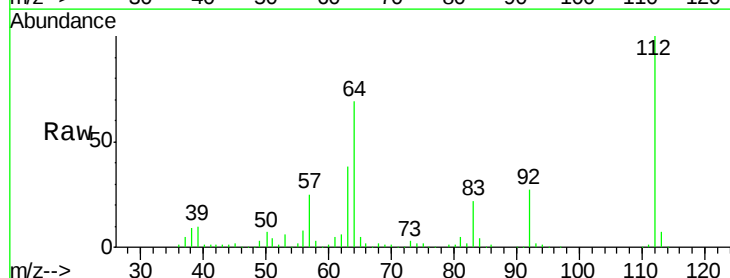
Tgt Ion:112 Resp: 824070

Ion Ratio Lower Upper

112 100

64 69.2 52.1 78.1

63 38.2 25.7 38.5





#7

Phenol-d6

Concen: 137.14 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.01 min

Lab File: BF087473.D

Acq: 28 May 2016 8:19

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1690(0-4)

Tot Ion: 99 Resp: 1101841

Ion Ratio Lower Upper

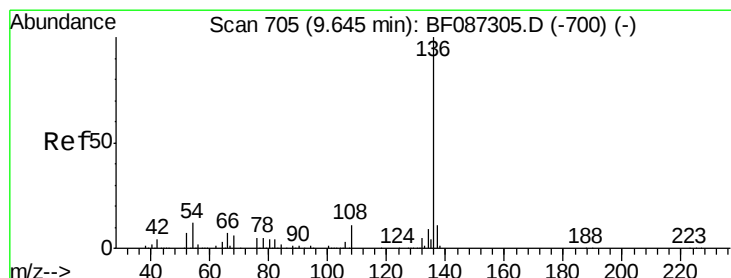
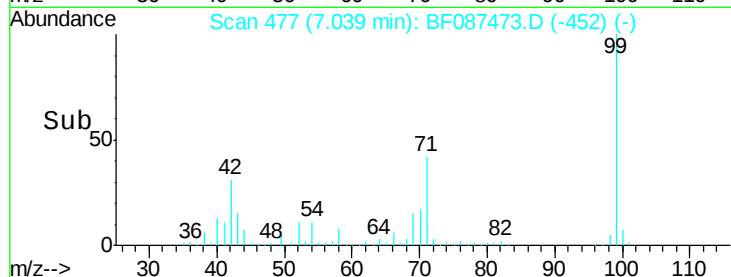
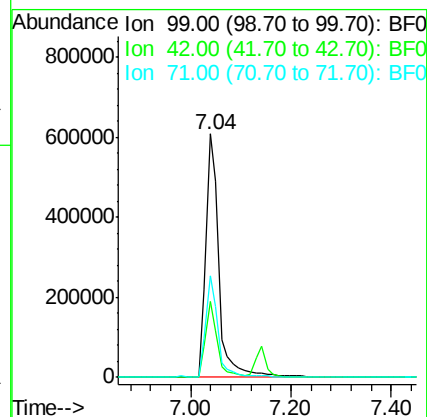
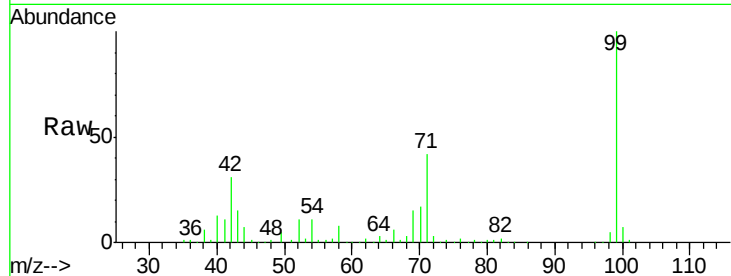
99 100

42 31.2 13.6 20.4#

71 41.7 24.6 36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF087473.D

Acq: 28 May 2016 8:19

Tgt Ion: 136 Resp: 419708

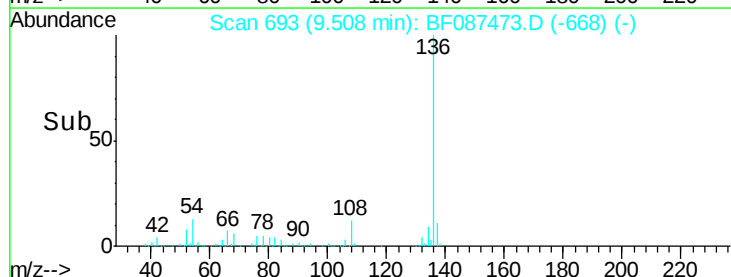
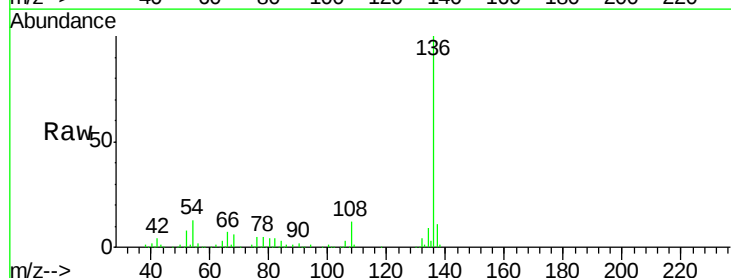
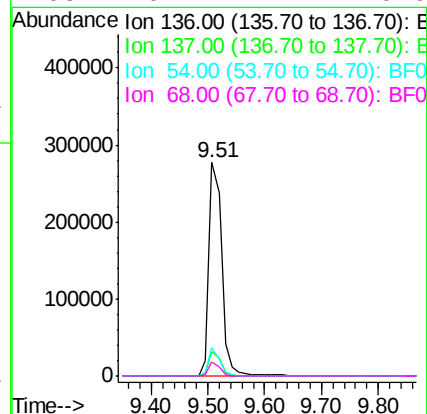
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 13.3 5.0 7.4#

68 6.4 4.4 6.6





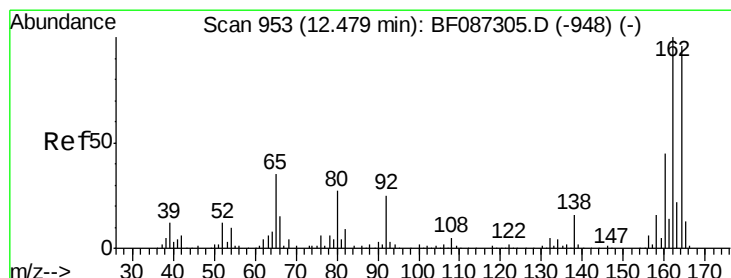
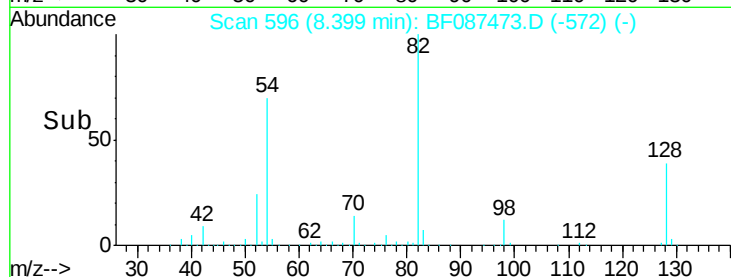
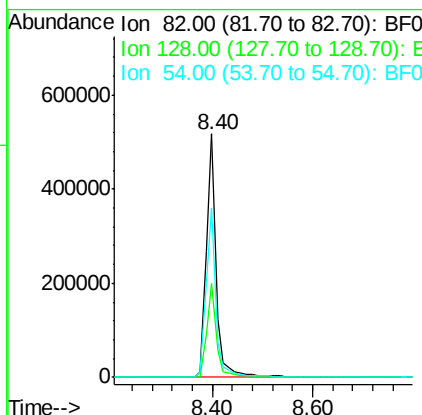
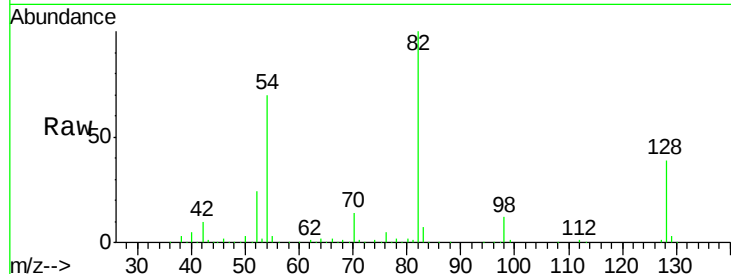
#23
 Nitrobenzene-d5
 Concen: 85.28 ng
 RT: 8.40 min Scan# 596
 Delta R.T. -0.02 min
 Lab File: BF087473.D
 Acq: 28 May 2016 8:19

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1690(0-4)

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.5	40.6	61.0#
54	69.6	38.1	57.1#

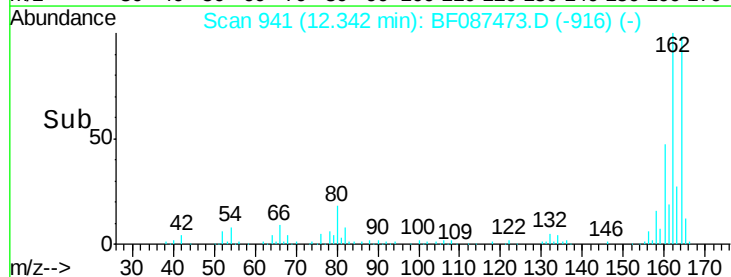
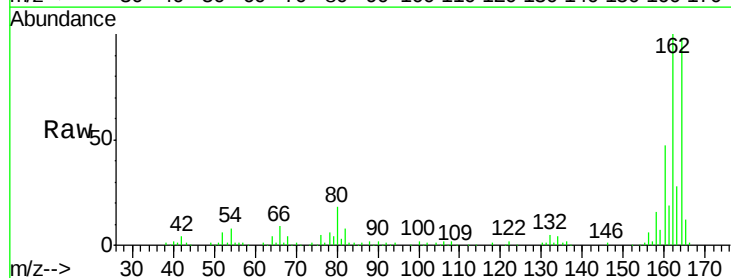
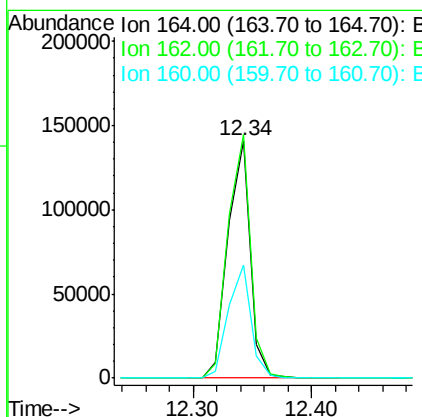
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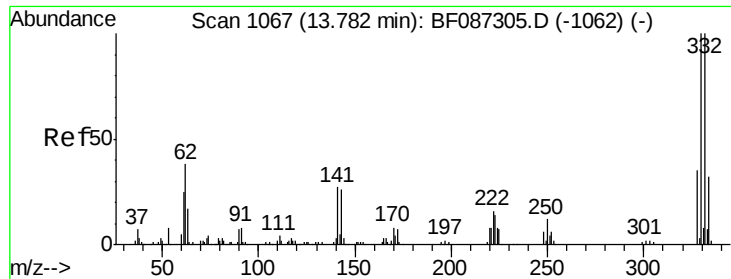
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.34 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BF087473.D
 Acq: 28 May 2016 8:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.8	124.2
160	47.7	36.9	55.3





#41

2,4,6-Tribromophenol

Concen: 110.96 ng

RT: 13.63 min Scan# 1054

Delta R.T. -0.01 min

Lab File: BF087473.D

Acq: 28 May 2016 8:19

Instrument :

BNA_F

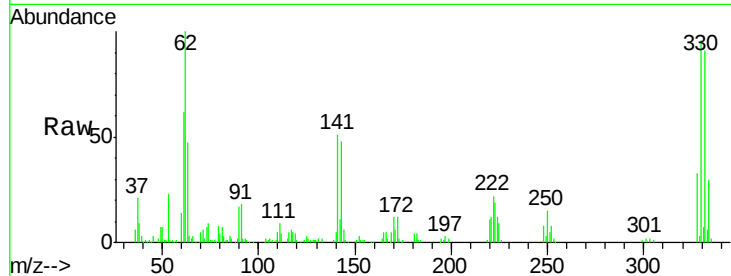
ClientSampleId :

CHS-STA-1690(0-4)

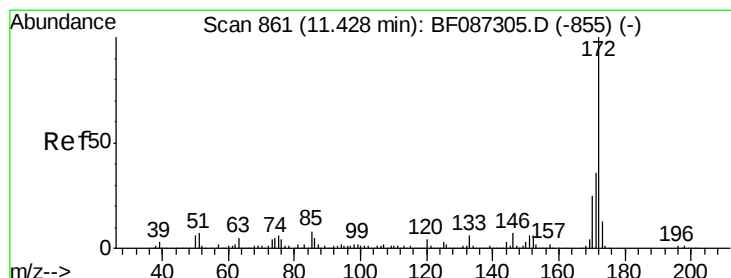
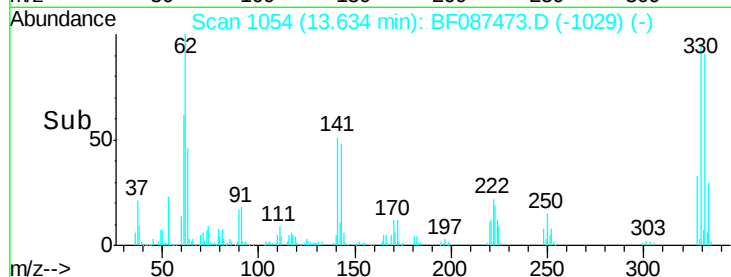
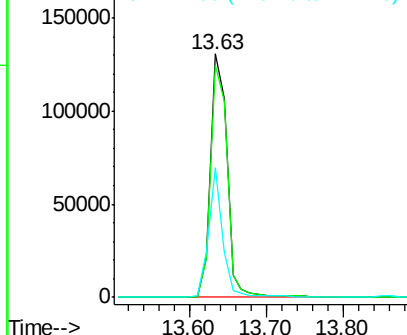
Tot Ion:	330	Resp:	195593
Ion Ratio	Lower	Upper	
330	100		
332	96.7	79.0	118.4
141	46.2	31.2	46.8

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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: 83.43 ng

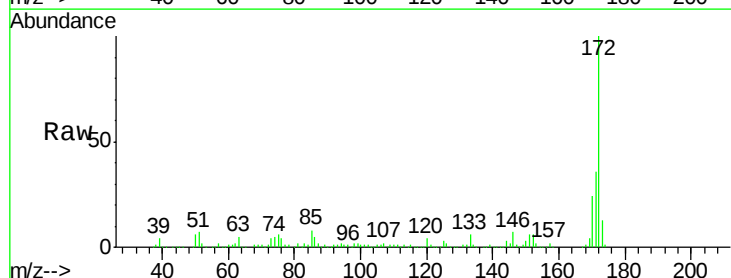
RT: 11.29 min Scan# 849

Delta R.T. -0.01 min

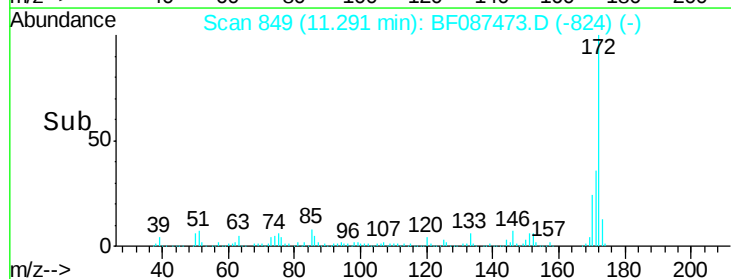
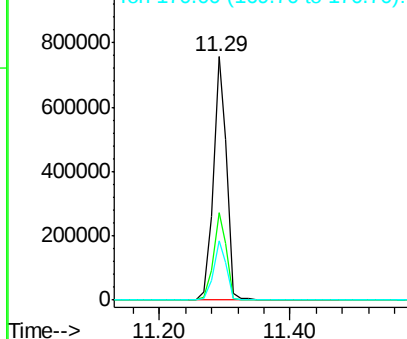
Lab File: BF087473.D

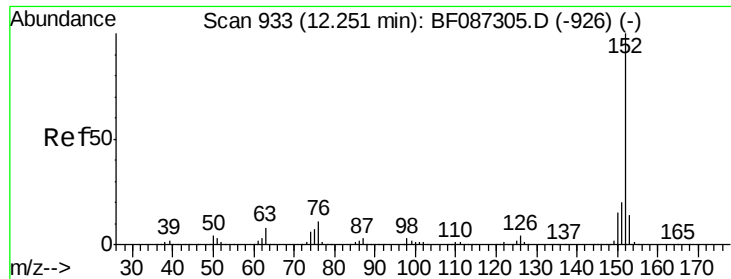
Acq: 28 May 2016 8:19

Tgt Ion:	172	Resp:	1085540
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.0	43.6
170	24.3	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: 5.97 ng

RT: 12.11 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF087473.D

Acq: 28 May 2016 8:19

Instrument :

BNA_F

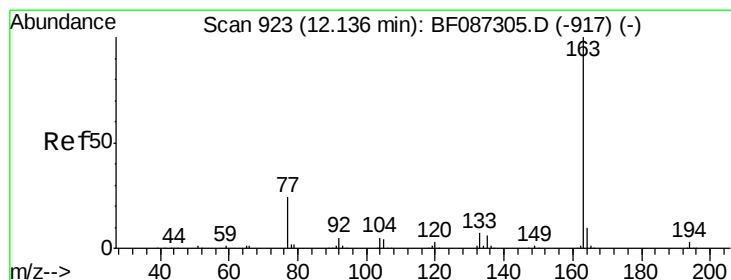
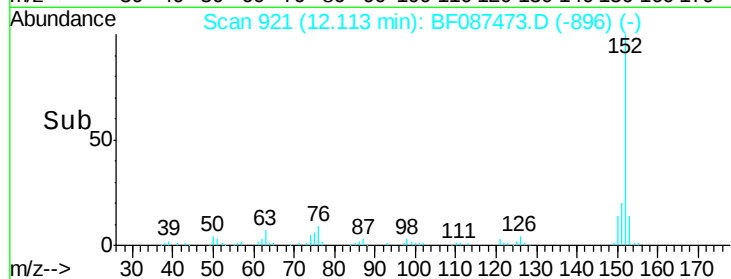
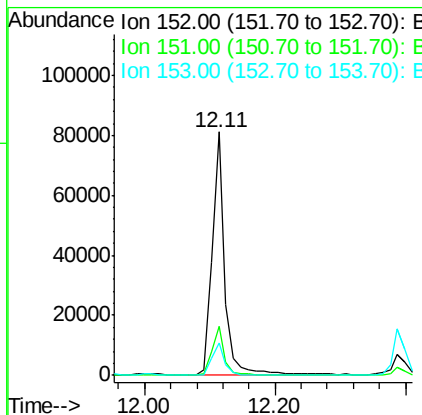
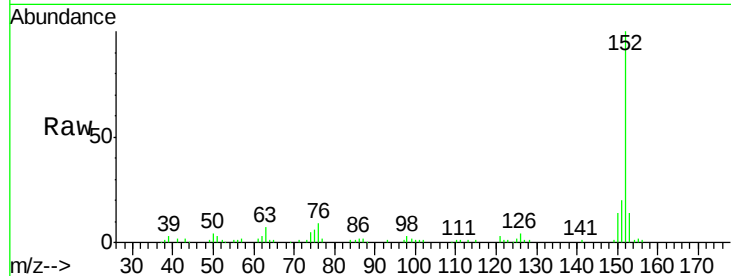
ClientSampleId :

CHS-STA-1690(0-4)

Tot Ion:	152	Resp:	111687
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.8	25.2
153	13.5	10.9	16.3

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#49

Dimethylphthalate

Concen: 23.11 ng

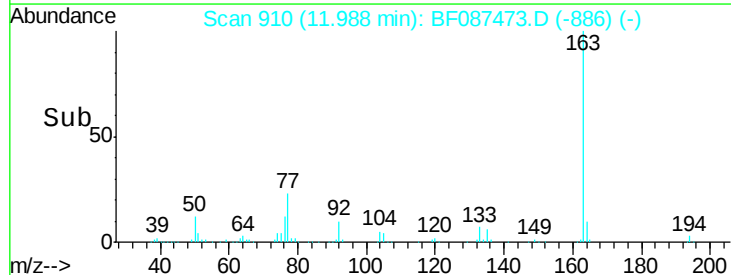
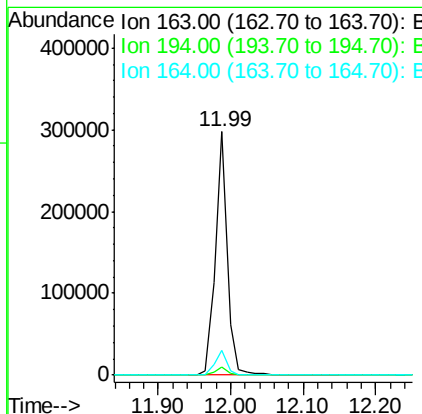
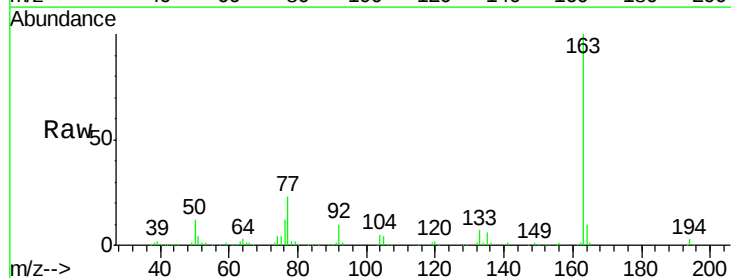
RT: 11.99 min Scan# 910

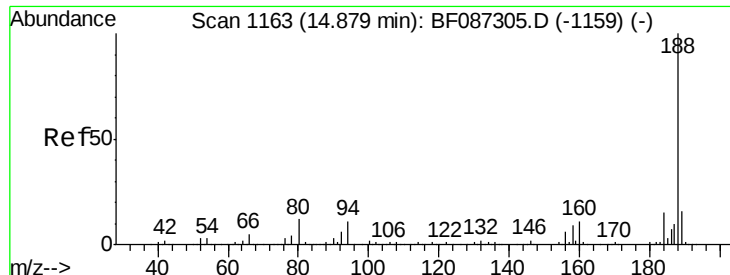
Delta R.T. -0.02 min

Lab File: BF087473.D

Acq: 28 May 2016 8:19

Tgt Ion:	163	Resp:	339630
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.6	4.0
164	10.0	8.2	12.4





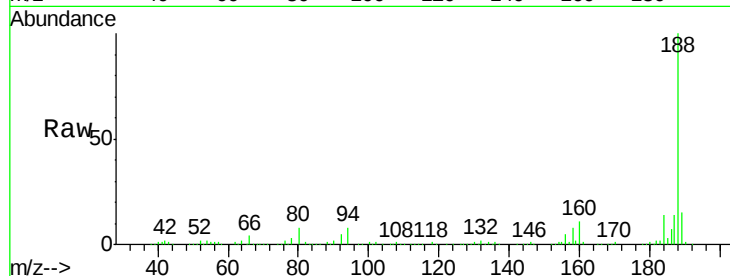
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.74 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BF087473.D
 Acq: 28 May 2016 8:19

Instrument :
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 CHS-STA-1690(0-4)

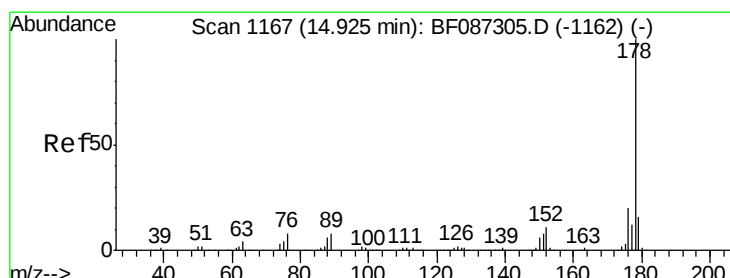
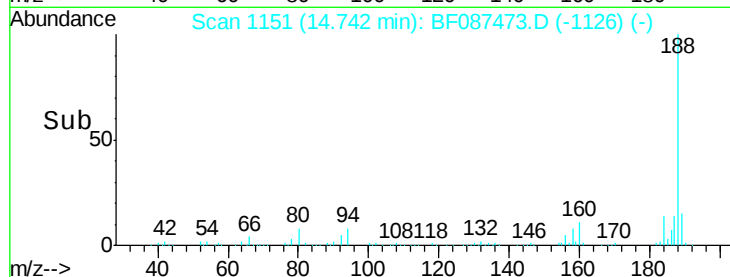
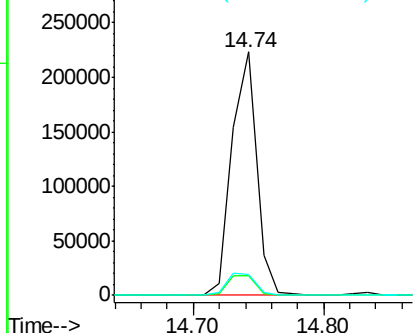
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.0	6.8	10.2
80	8.5	7.1	10.7

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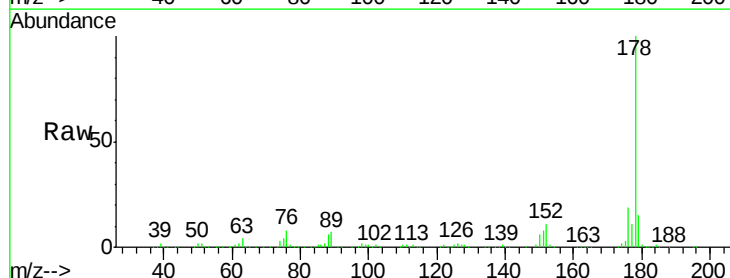


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

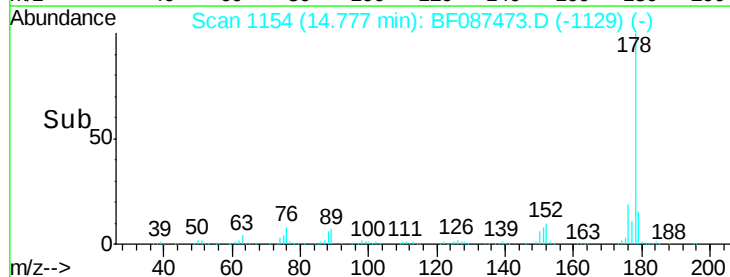
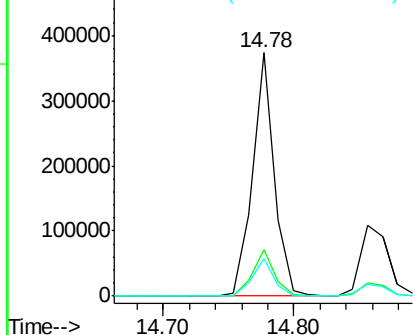


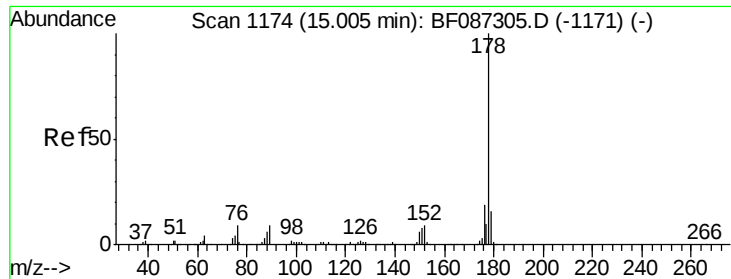
#70
 Phenanthrene
 Concen: 26.69 ng
 RT: 14.78 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BF087473.D
 Acq: 28 May 2016 8:19

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	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





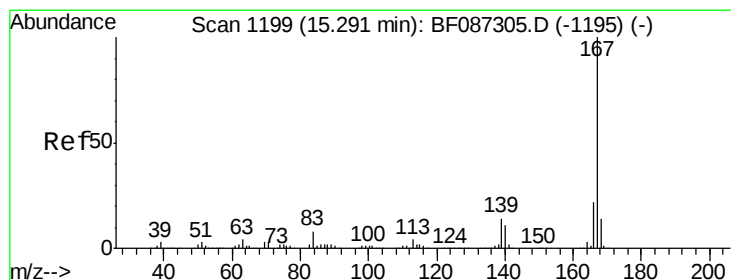
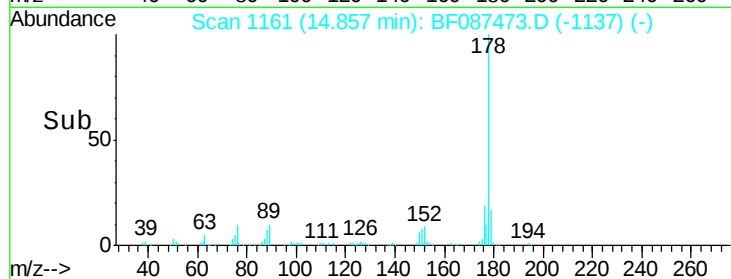
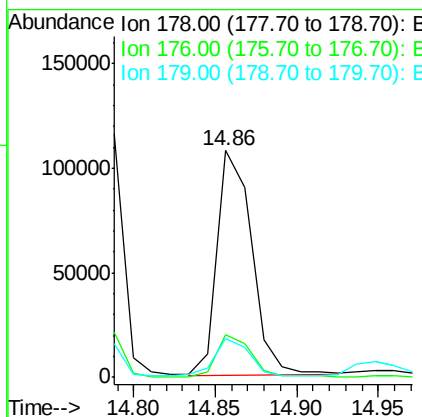
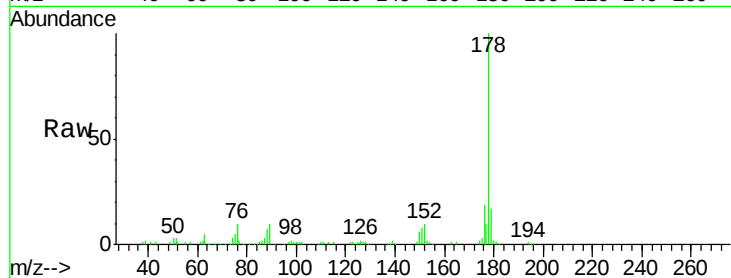
#71
 Anthracene
 Concen: 9.63 ng
 RT: 14.86 min Scan# 1161
 Delta R.T. -0.02 min
 Lab File: BF087473.D
 Acq: 28 May 2016 8:19

Instrument :
 BNA_F
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 CHS-STA-1690(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.6	23.4
179	17.4	12.7	19.1

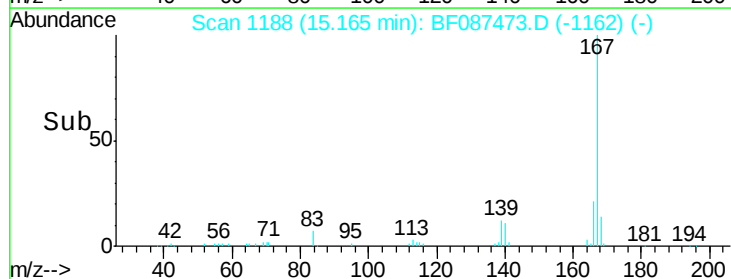
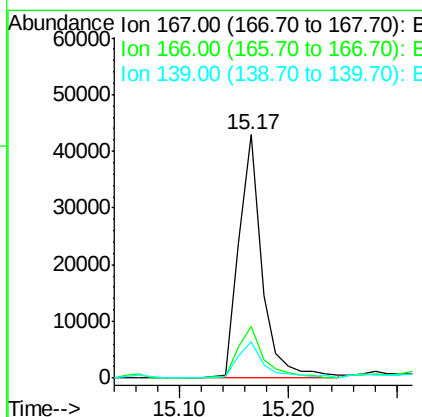
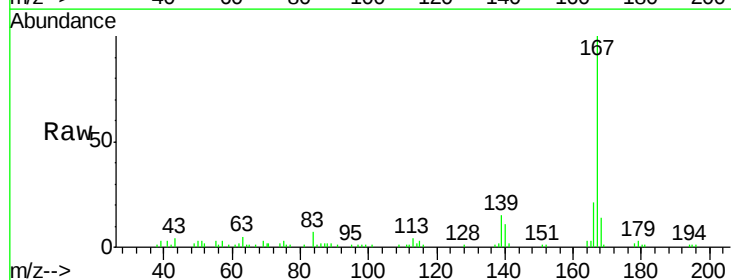
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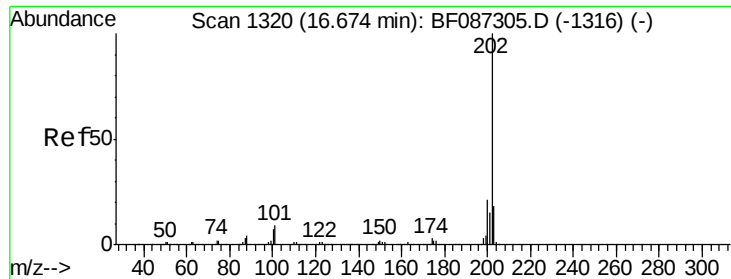
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#72
 Carbazole
 Concen: 4.50 ng
 RT: 15.17 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: BF087473.D
 Acq: 28 May 2016 8:19

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.7	26.5
139	14.8	10.8	16.2





#74

Fluoranthene

Concen: 60.56 ng

RT: 16.55 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF087473.D

Acq: 28 May 2016 8:19

Instrument :

BNA_F

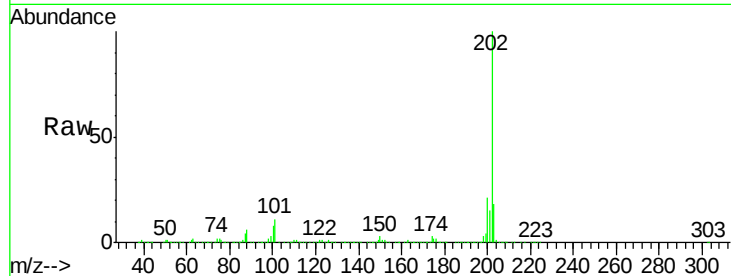
ClientSampleId :

CHS-STA-1690(0-4)

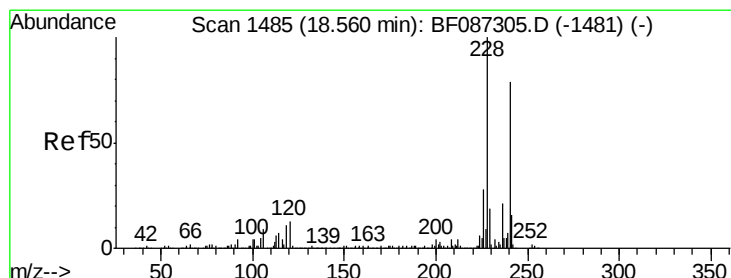
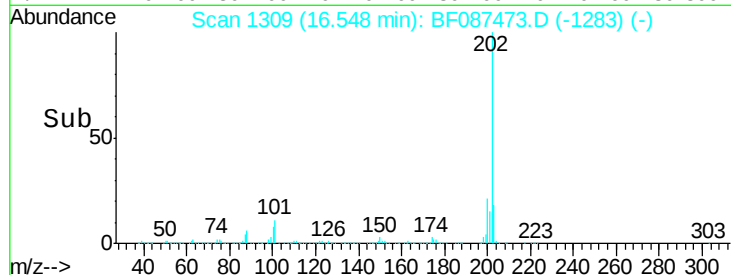
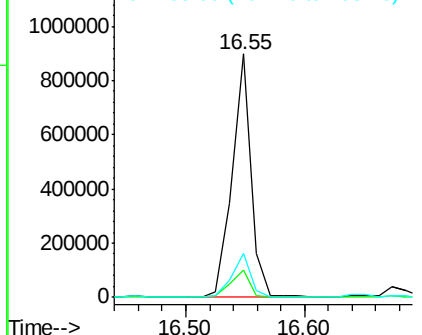
Tot Ion:	202	Resp:	992209
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	35.4
203	17.8	0.0	38.1

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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

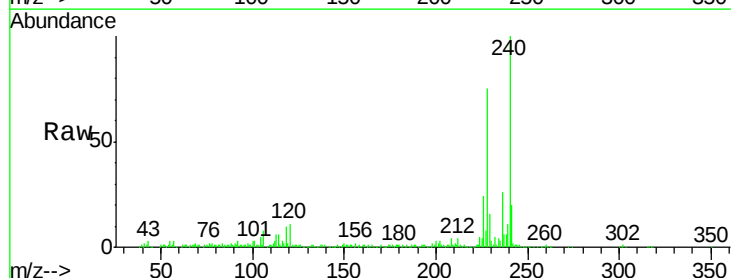
RT: 18.45 min Scan# 1475

Delta R.T. -0.01 min

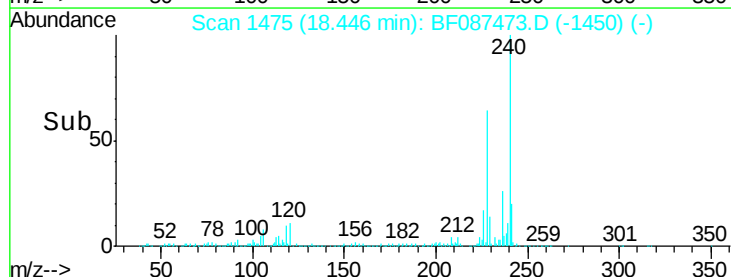
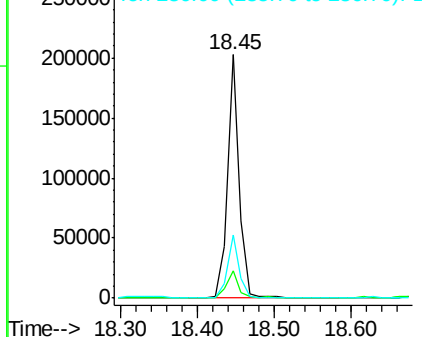
Lab File: BF087473.D

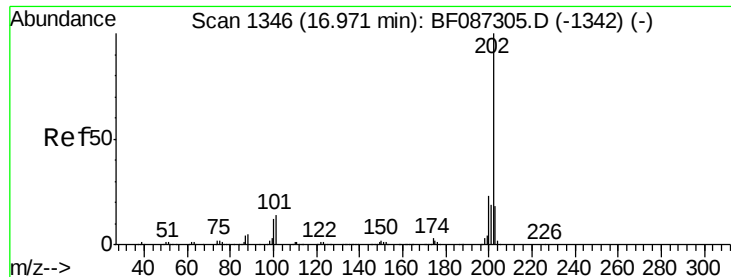
Acq: 28 May 2016 8:19

Tgt Ion:	240	Resp:	217254
Ion Ratio	Lower	Upper	
240	100		
120	11.4	11.2	16.8
236	26.2	21.2	31.8



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

Pvrene

Concen: 69.10 ng

RT: 16.86 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BF087473.D

Acq: 28 May 2016 8:19

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1690(0-4)

Tot Ion:202 Resp: 1080662

Ion Ratio Lower Upper

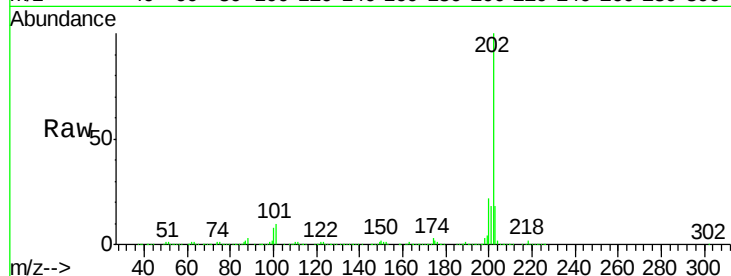
202 100

200 22.0 17.7 26.5

203 18.1 14.2 21.4

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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

1000000

800000

600000

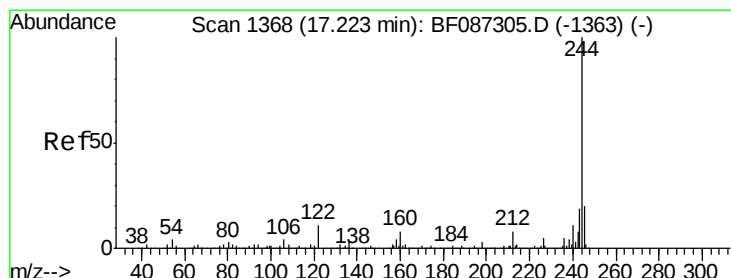
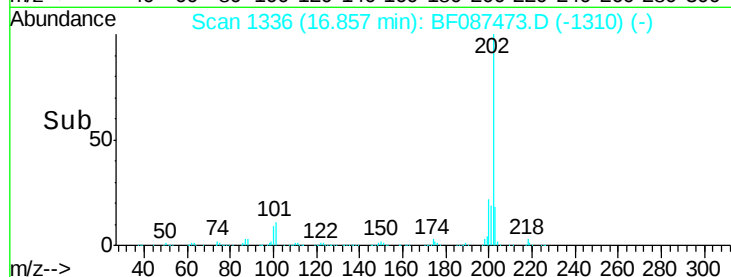
400000

200000

0

16.86

Time-->



#78

Terphenyl-d14

Concen: 73.07 ng

RT: 17.10 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF087473.D

Acq: 28 May 2016 8:19

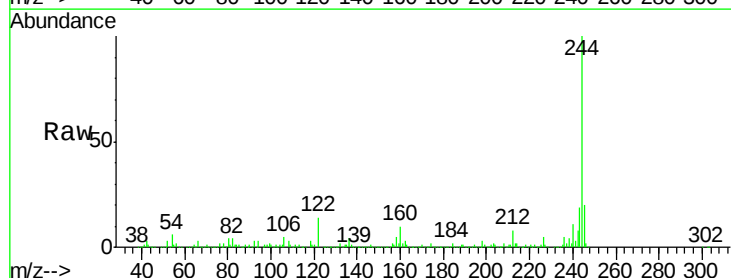
Tgt Ion:244 Resp: 746665

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

122 13.6 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

800000

600000

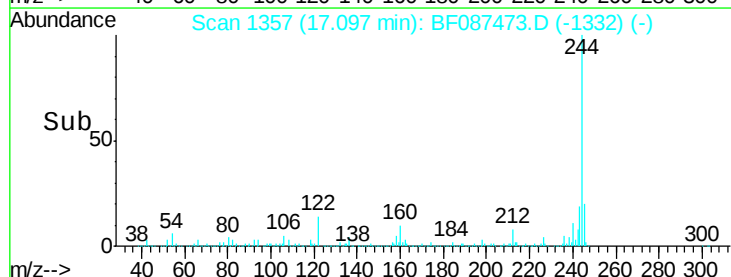
400000

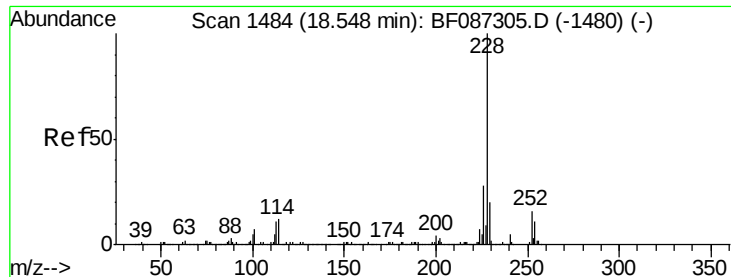
200000

0

17.10

Time-->





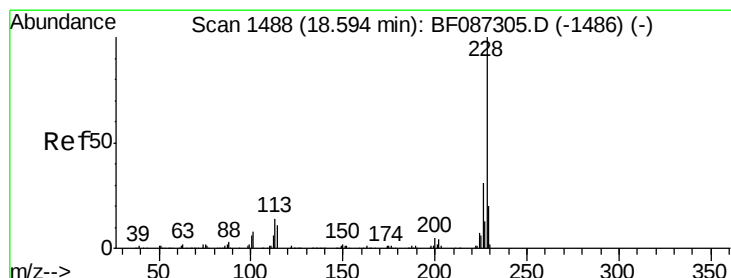
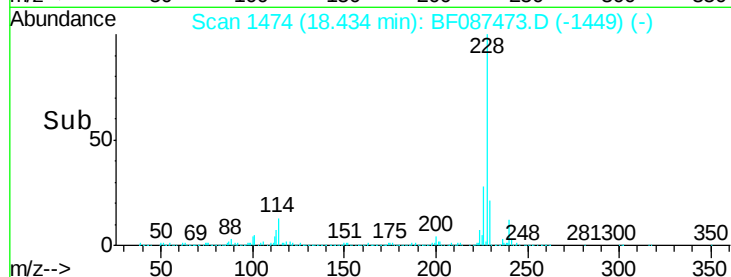
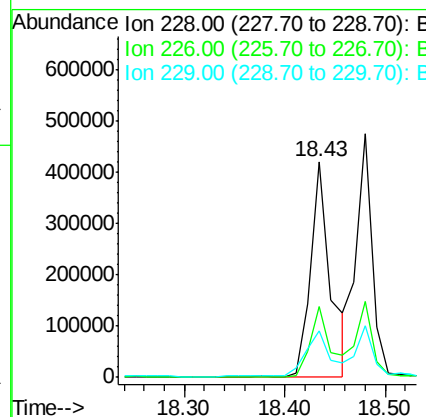
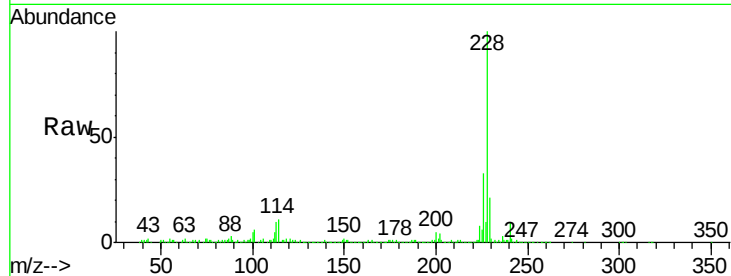
#80
Benzo(a)anthracene
Concen: 47.13 ng
RT: 18.43 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF087473.D
Acq: 28 May 2016 8:19

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.5	33.7
229	21.5	16.6	25.0

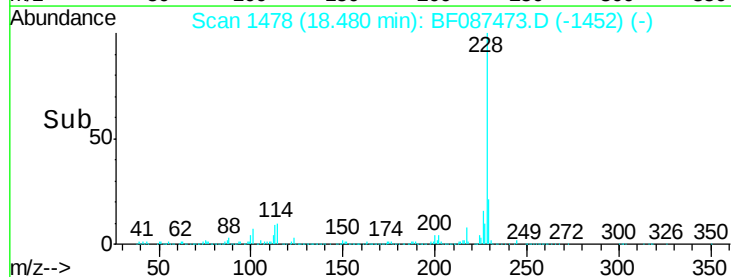
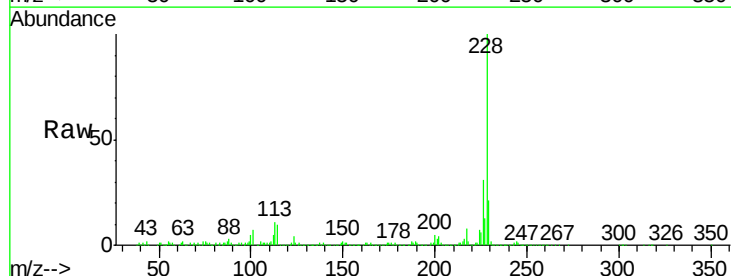
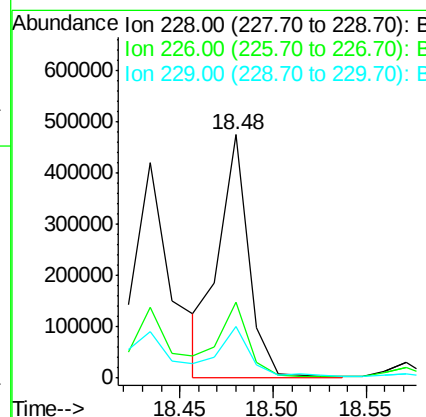
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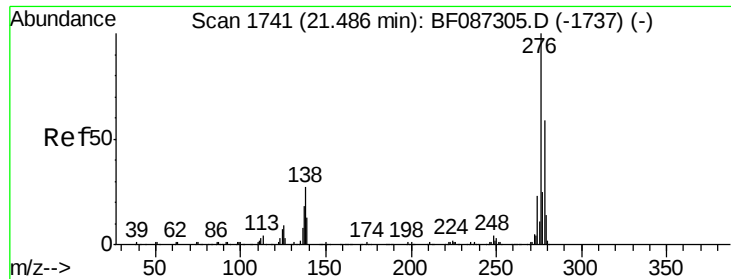
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#82
Chrysene
Concen: 43.01 ng
RT: 18.48 min Scan# 1478
Delta R.T. 0.00 min
Lab File: BF087473.D
Acq: 28 May 2016 8:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.4	36.6
229	21.0	15.8	23.8





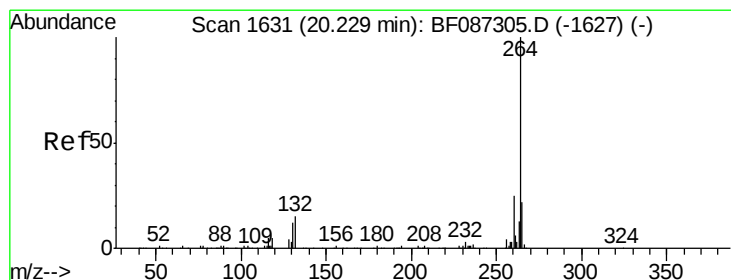
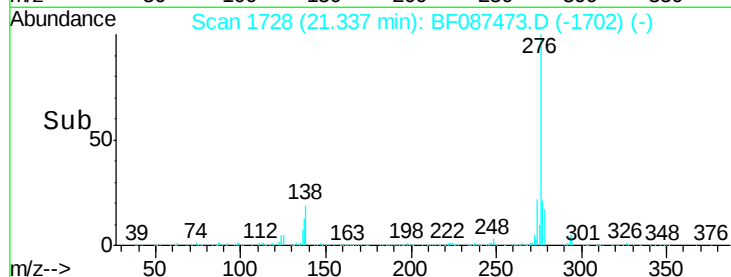
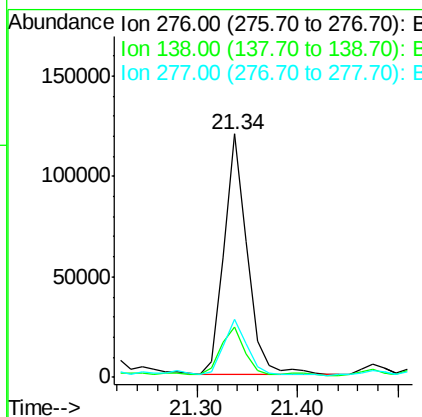
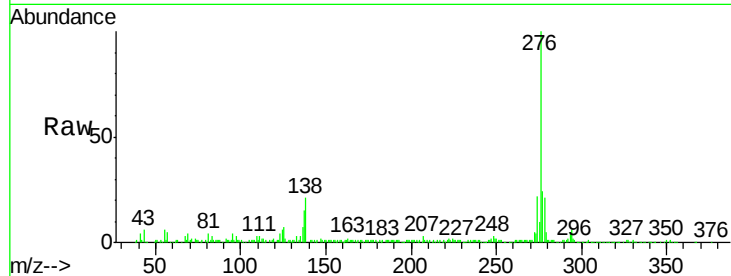
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 19.57 ng
 RT: 21.34 min Scan# 1728
 Delta R.T. 0.00 min
 Lab File: BF087473.D
 Acq: 28 May 2016 8:19

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1690(0-4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	25.6	38.4#
277	23.8	20.5	30.7

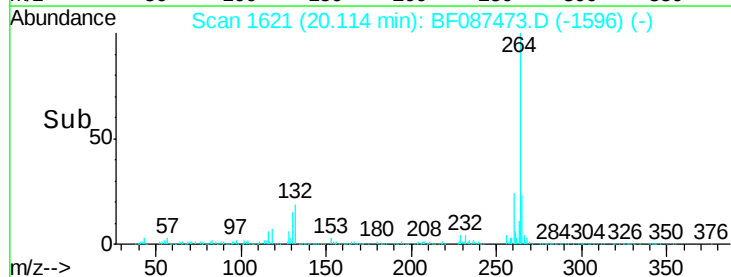
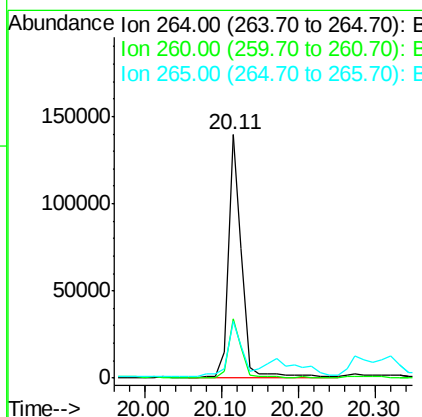
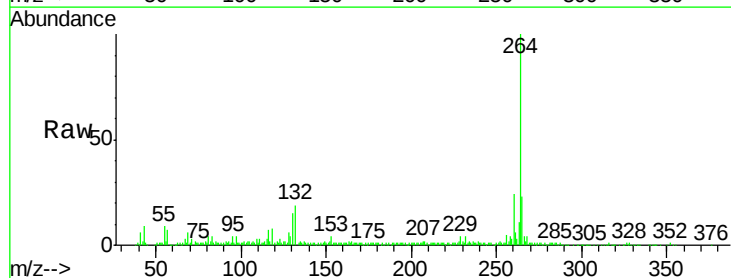
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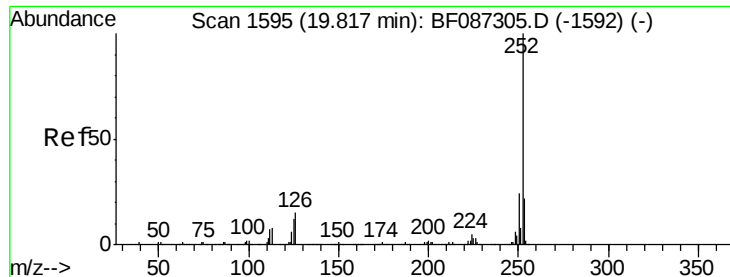
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.11 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BF087473.D
 Acq: 28 May 2016 8:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	23.4	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 57.97 ng m

RT: 19.71 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF087473.D

Acq: 28 May 2016 8:19

Instrument :

BNA_F

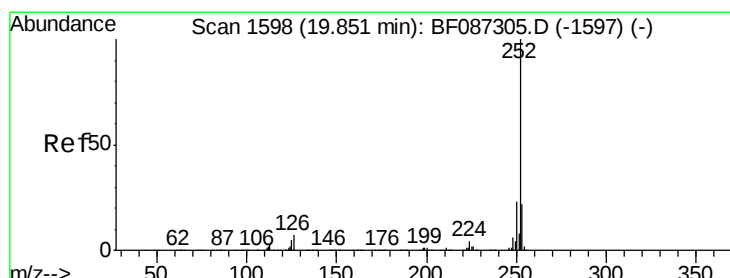
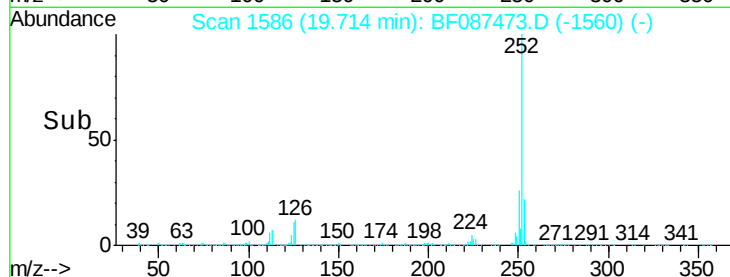
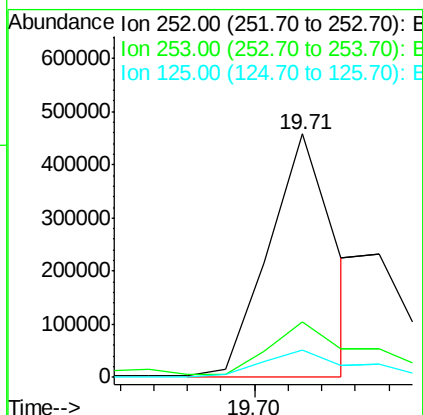
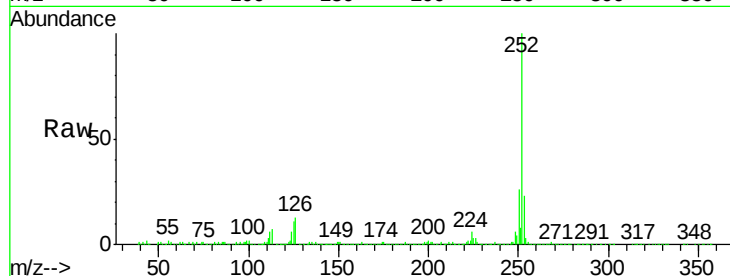
ClientSampleId :

CHS-STA-1690(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	11.3	11.4	17.0

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#88

Benzo(k)fluoranthene

Concen: 24.67 ng m

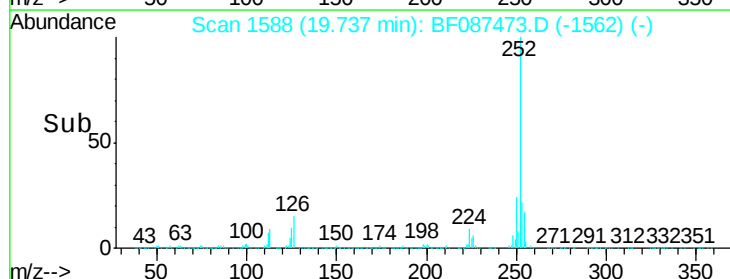
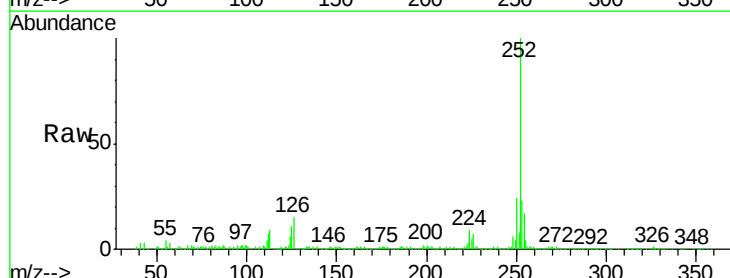
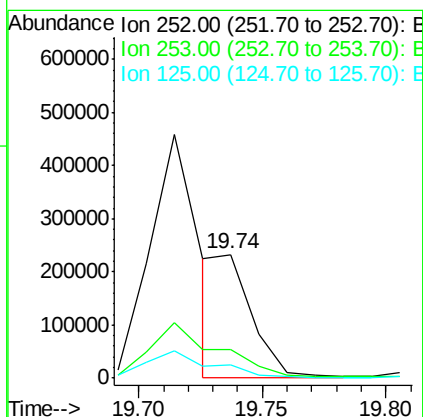
RT: 19.74 min Scan# 1588

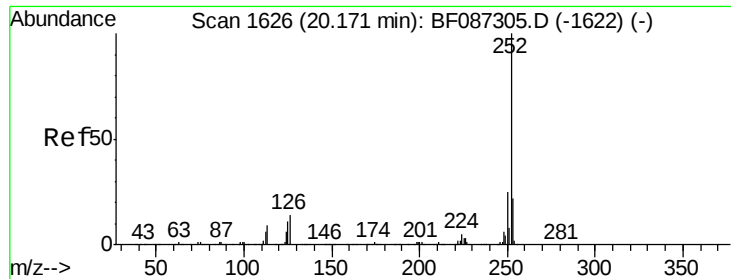
Delta R.T. 0.00 min

Lab File: BF087473.D

Acq: 28 May 2016 8:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	10.7	9.1	13.7





#89

Benzo(a)pyrene

Concen: 32.43 ng

RT: 20.06 min Scan# 1616

Delta R.T. 0.00 min

Lab File: BF087473.D

Acq: 28 May 2016 8:19

Instrument :

BNA_F

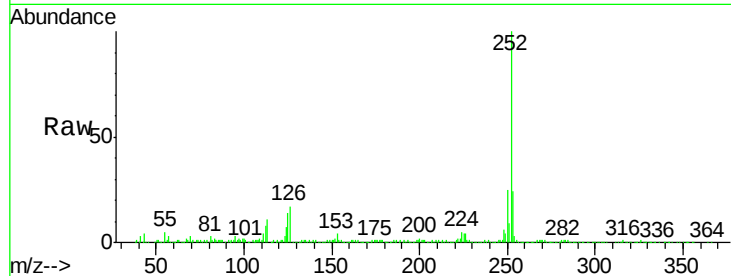
ClientSampleId :

CHS-STA-1690(0-4)

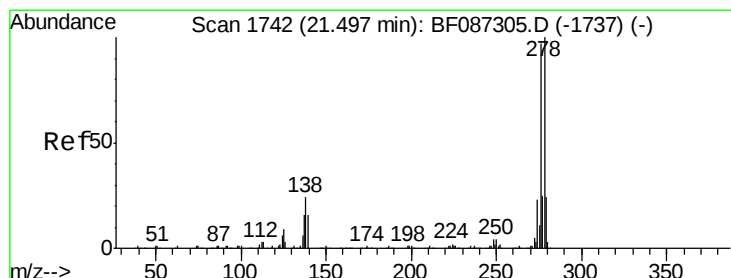
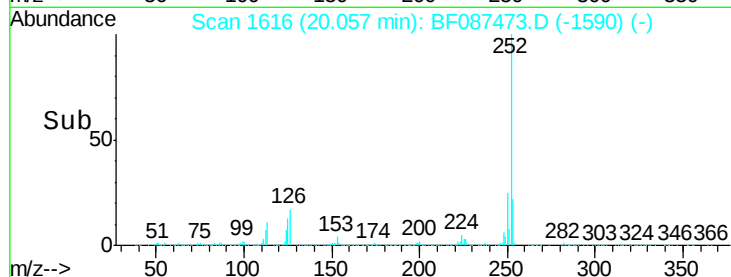
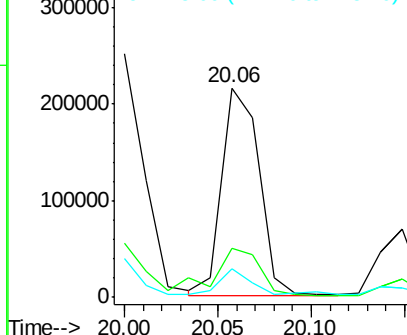
Tot Ion:	252	Resp:	303063
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.2	25.8
125	13.8	9.0	13.6

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



#90

Dibenzo(a,h)anthracene

Concen: 5.99 ng m

RT: 21.34 min Scan# 1728

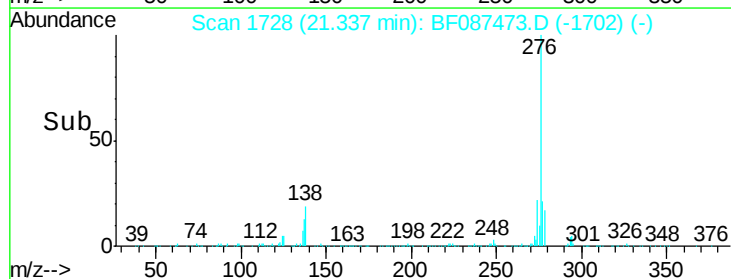
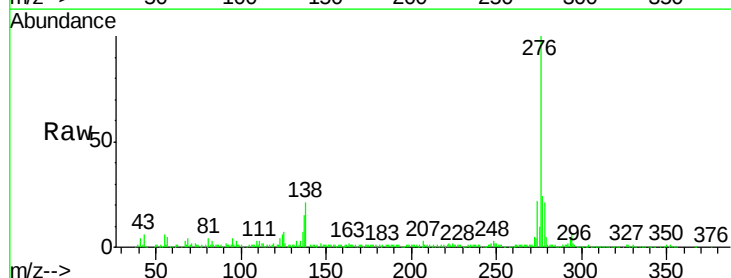
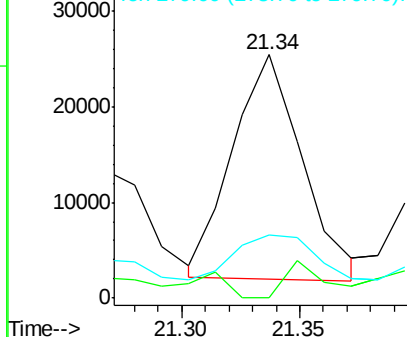
Delta R.T. 0.00 min

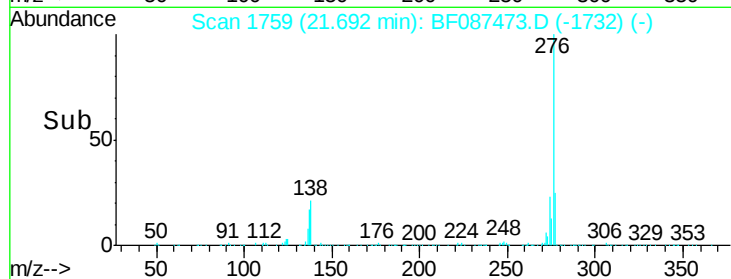
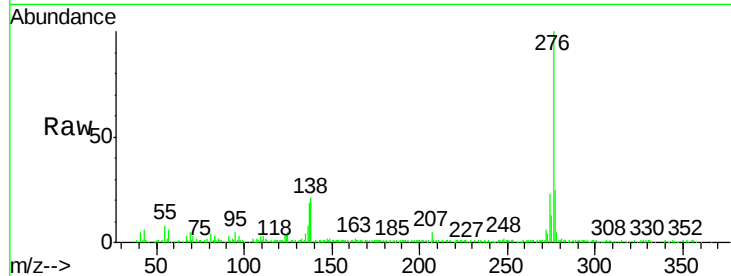
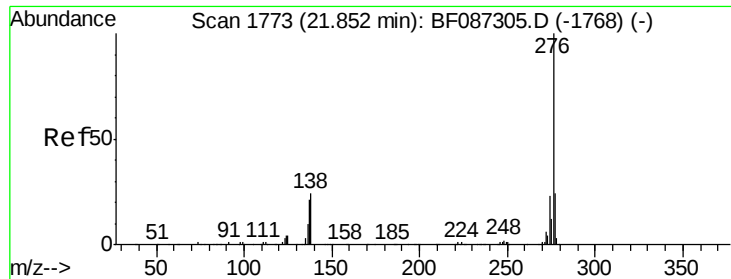
Lab File: BF087473.D

Acq: 28 May 2016 8:19

Tgt Ion:	278	Resp:	47749
Ion Ratio	Lower	Upper	
278	100		
139	0.0	16.6	24.8
279	26.0	19.6	29.4

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(a,h,i)perylene
 Concen: 20.98 ng
 RT: 21.69 min Scan# 1759
 Delta R.T. 0.01 min
 Lab File: BF087473.D
 Acq: 28 May 2016 8:19

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1690(0-4)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.6	29.4
138	21.5	23.6	35.4

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