

Data Path : Z:\HPCHEM1\BNA F\Data\BF092916\
 Data File : BF090288.D
 Acq On : 29 Sep 2016 12:49
 Operator : UM/SJ
 Sample : H4982-13 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 14:03:15 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.456	152	167664	20.00	ng	-0.02
21) Naphthalene-d8	7.748	136	659942	20.00	ng	-0.02
38) Acenaphthene-d10	9.496	164	329434	20.00	ng	-0.01
63) Phenanthrene-d10	10.959	188	475295	20.00	ng	-0.02
75) Chrysene-d12	13.577	240	319119	20.00	ng	-0.02
86) Perylene-d12	14.903	264	291511	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.004	112	291672	28.36	ng	-0.02
7) Phenol-d6	6.102	99	383543	30.19	ng	-0.03
23) Nitrobenzene-d5	7.027	82	230343	20.23	ng	-0.03
41) 2,4,6-Tribromophenol	10.273	330	79594	28.16	ng	-0.02
44) 2-Fluorobiphenyl	8.833	172	425959	25.38	ng	-0.02
78) Terphenyl-d14	12.548	244	296920	23.62	ng	-0.01

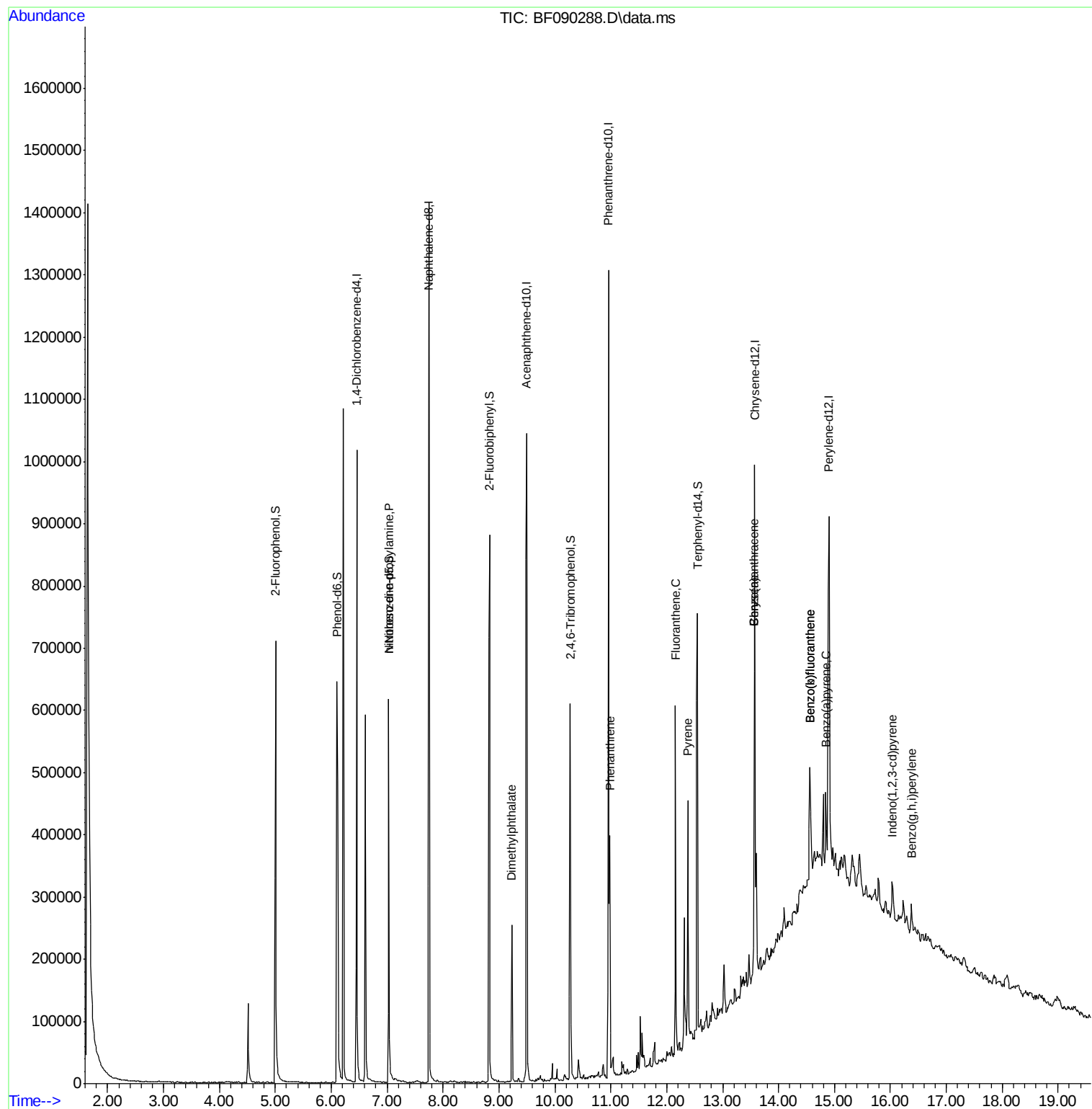
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propyla...	7.027	70	25120	3.37	ng	# 79
49) Dimethylphthalate	9.233	163	118842	5.66	ng	99
70) Phenanthrene	10.982	178	132839	5.98	ng	98
74) Fluoranthene	12.159	202	222354	9.32	ng	96
77) Pyrene	12.377	202	171180	7.84	ng	# 94
80) Benzo(a)anthracene	13.565	228	64629	3.76	ng	99
82) Chrysene	13.565	228	64629	3.86	ng	97
85) Indeno(1,2,3-cd)pyrene	16.034	276	39544	2.92	ng	90
87) Benzo(b)fluoranthene	14.560	252	118302	7.33	ng	97
88) Benzo(k)fluoranthene	14.560	252	118302	7.81	ng	# 92
89) Benzo(a)pyrene	14.845	252	58426	3.85	ng	# 91
91) Benzo(a,h,i)perylene	16.377	276	40354	3.48	ng	95

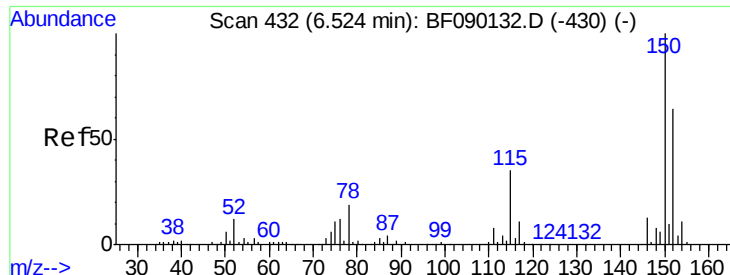
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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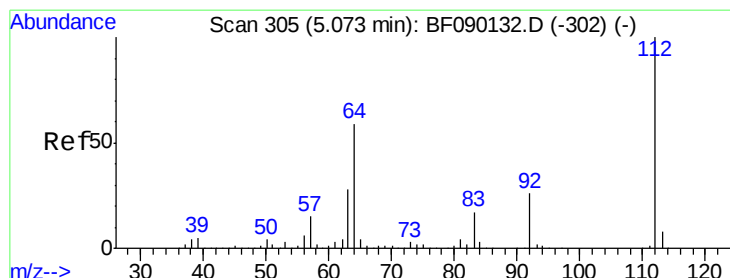
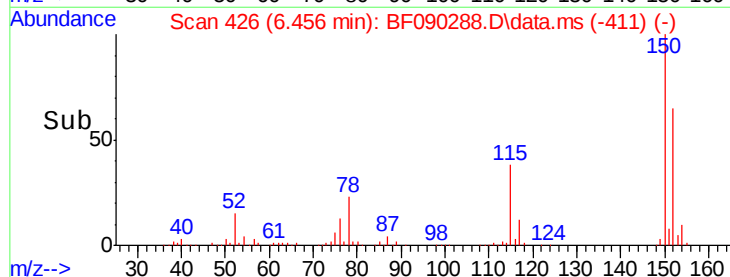
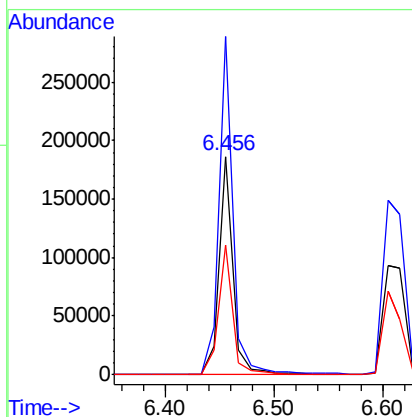
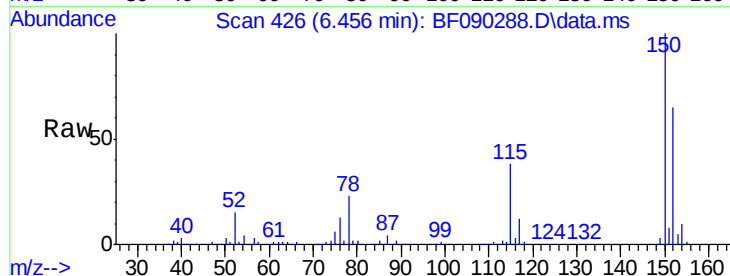




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.456 min Scan# 42
 Delta R.T. -0.023 min
 Lab File: BF090288.D
 Acq: 29 Sep 2016 12:49

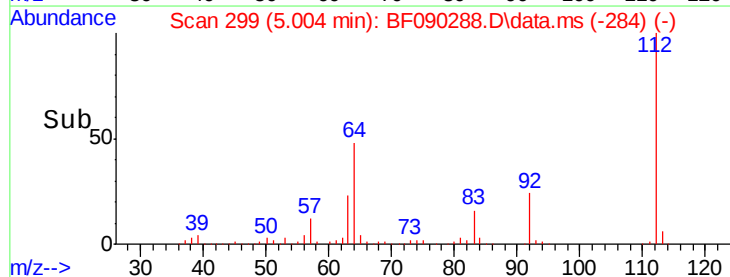
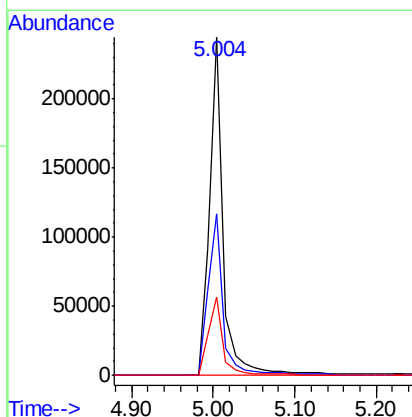
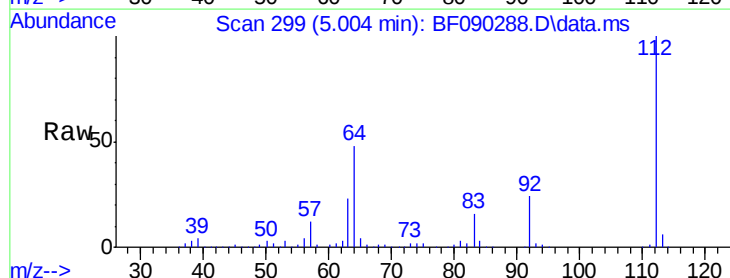
Instrument :
 BNA_F
 ClientSampleId :

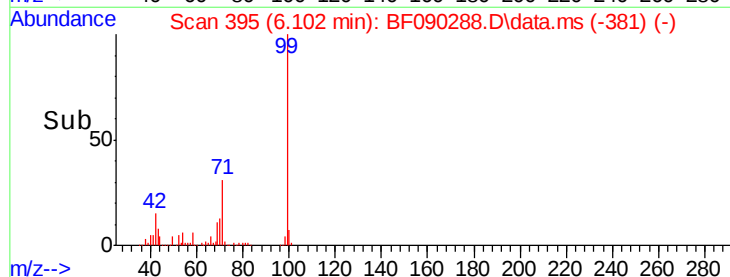
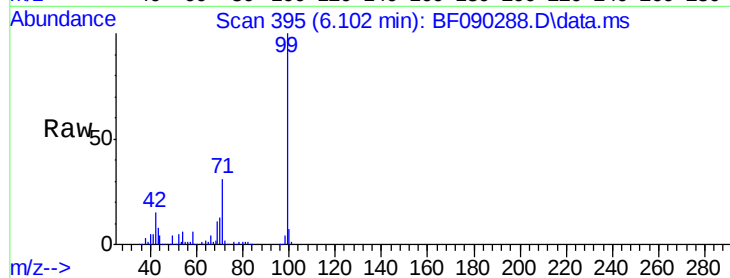
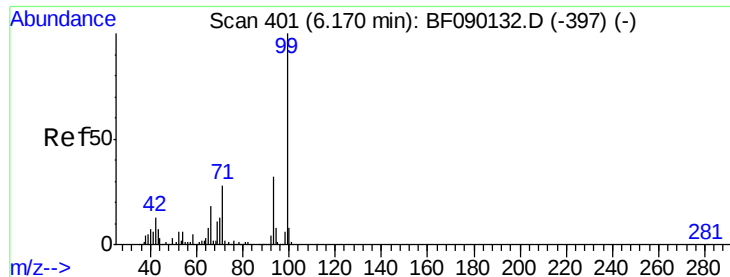
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	128.9	193.3
115	59.2	55.5	83.3



#5
 2-Fluorophenol
 Concen: 28.36 ng
 RT: 5.004 min Scan# 299
 Delta R.T. -0.023 min
 Lab File: BF090288.D
 Acq: 29 Sep 2016 12:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.6	39.8	59.6
63	23.0	18.9	28.3





#7

Phenol-d6

Concen: 30.19 ng

RT: 6.102 min Scan# 39

Delta R.T. -0.034 min

Lab File: BF090288.D

Acq: 29 Sep 2016 12:49

Instrument :

BNA_F

ClientSampleId :

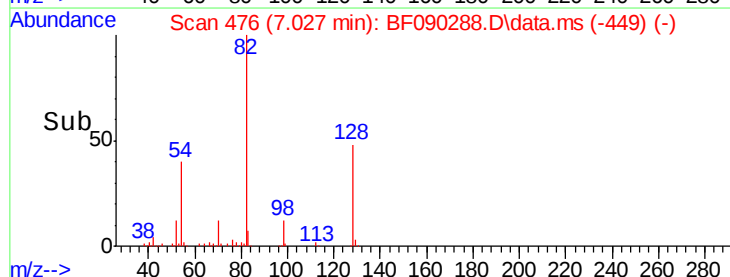
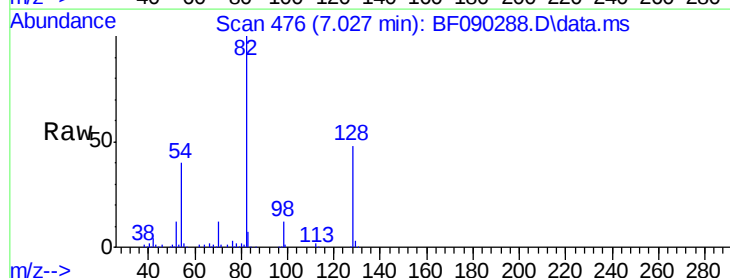
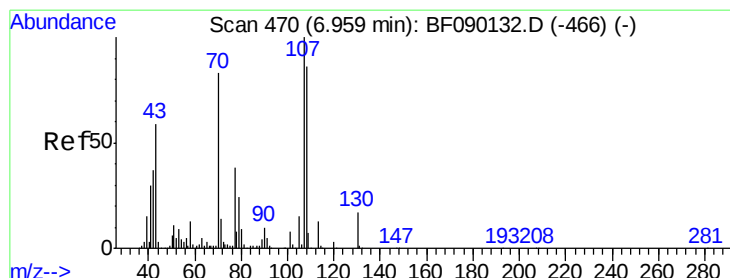
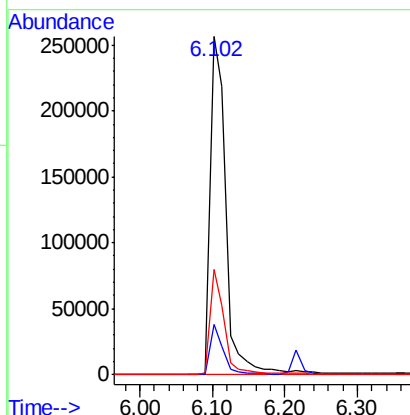
Tot Ion: 99 Resp: 383543

Ion Ratio Lower Upper

99 100

42 14.7 10.6 15.8

71 30.9 23.0 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 3.37 ng

RT: 7.027 min Scan# 476

Delta R.T. 0.114 min

Lab File: BF090288.D

Acq: 29 Sep 2016 12:49

Tgt Ion: 70 Resp: 25120

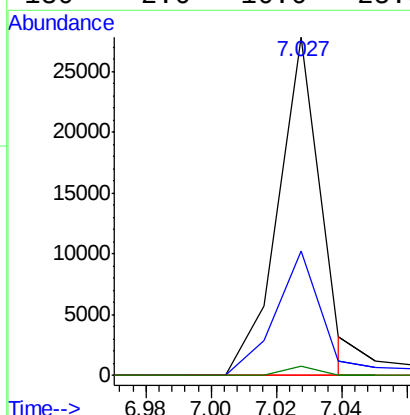
Ion Ratio Lower Upper

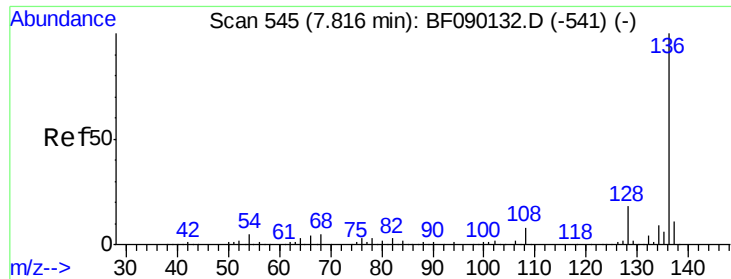
70 100

42 36.9 35.1 52.7

101 0.0 7.5 11.3#

130 2.6 16.6 25.0#

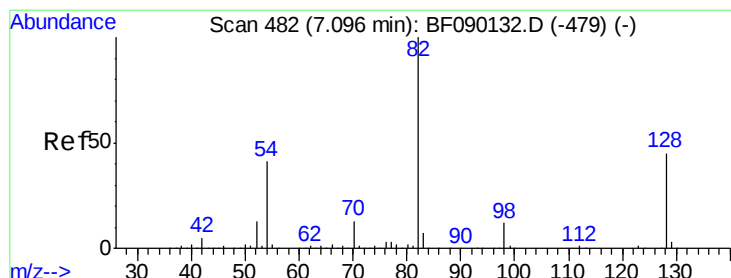
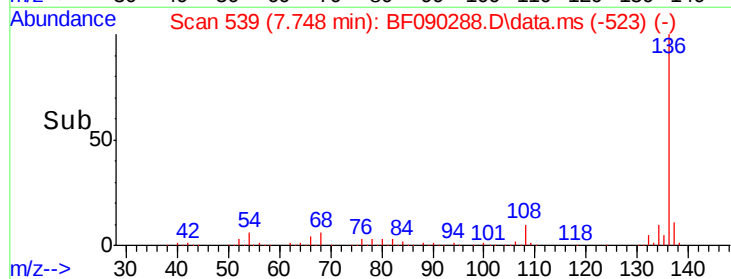
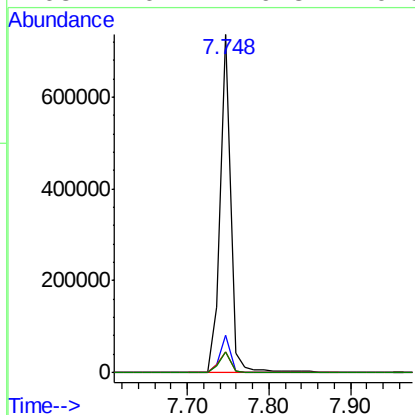
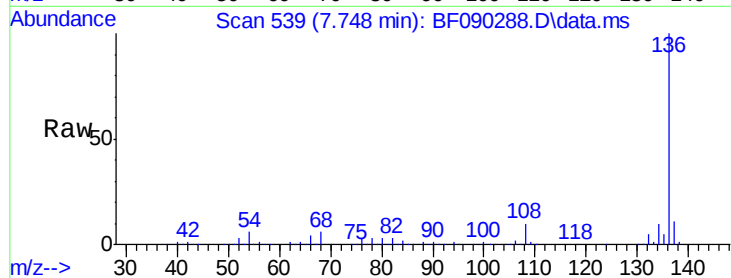




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.748 min Scan# 531
Delta R.T. -0.023 min
Lab File: BF090288.D
Acq: 29 Sep 2016 12:49

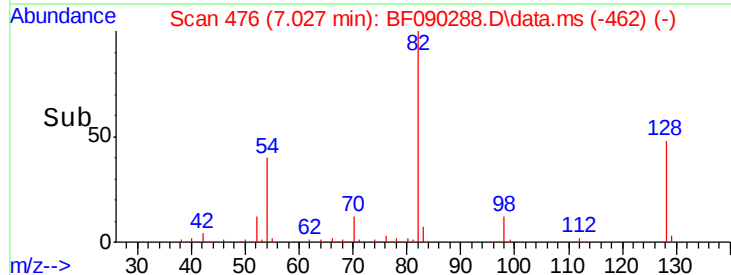
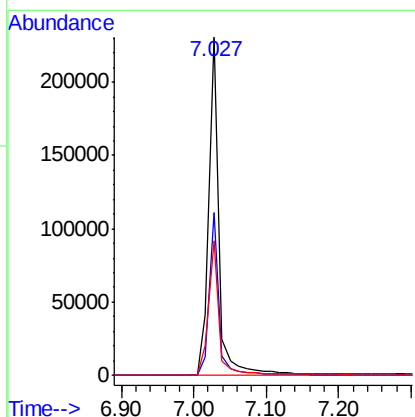
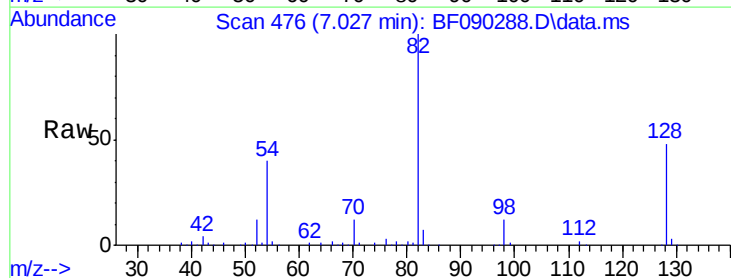
Instrument :
BNA_F
ClientSampleId :

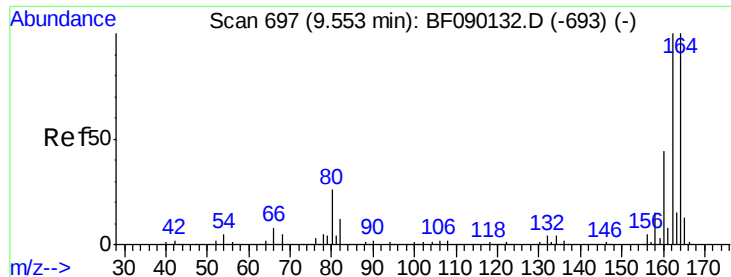
Tot Ion:	136	Resp:	659942
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	6.2	6.4	9.6#
68	6.2	6.3	9.5#



#23
Nitrobenzene-d5
Concen: 20.23 ng
RT: 7.027 min Scan# 476
Delta R.T. -0.034 min
Lab File: BF090288.D
Acq: 29 Sep 2016 12:49

Tgt Ion:	82	Resp:	230343
Ion Ratio	Lower	Upper	
82	100		
128	48.1	37.5	56.3
54	39.9	31.9	47.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.496 min Scan# 69

Delta R.T. -0.011 min

Lab File: BF090288.D

Acq: 29 Sep 2016 12:49

Instrument :

BNA_F

ClientSampleId :

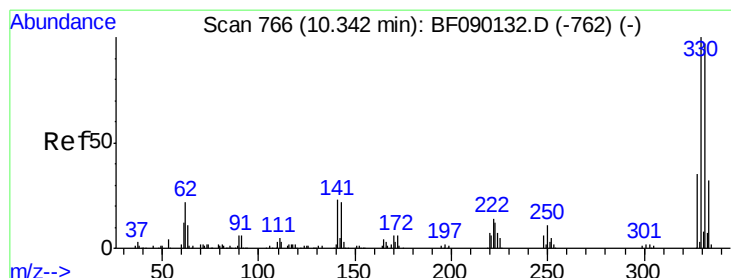
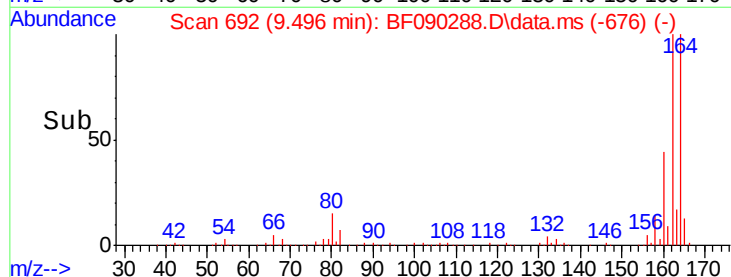
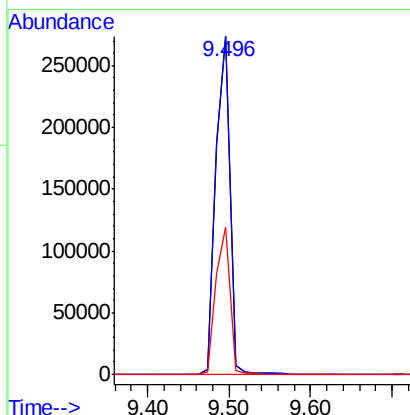
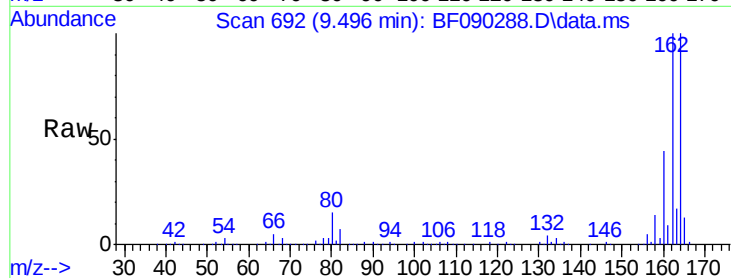
Tot Ion:164 Resp: 329434

Ion Ratio Lower Upper

164 100

162 100.0 81.4 122.2

160 43.7 36.6 54.8



#41

2,4,6-Tribromophenol

Concen: 28.16 ng

RT: 10.273 min Scan# 760

Delta R.T. -0.023 min

Lab File: BF090288.D

Acq: 29 Sep 2016 12:49

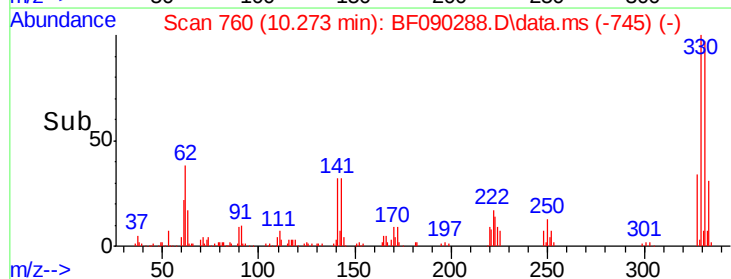
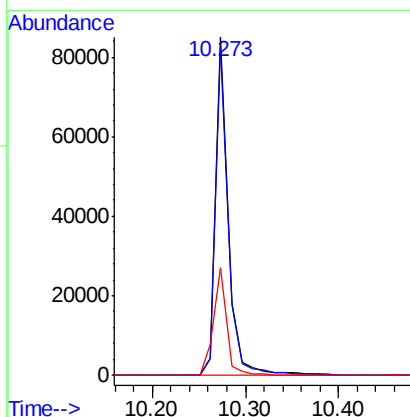
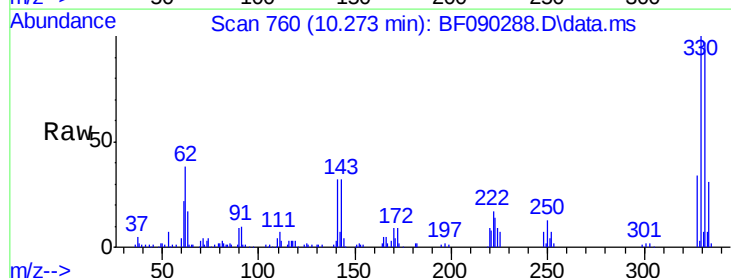
Tgt Ion:330 Resp: 79594

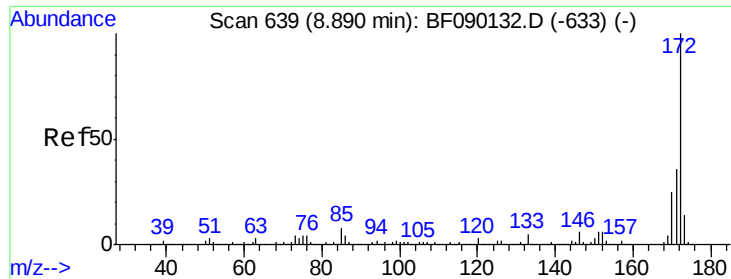
Ion Ratio Lower Upper

330 100

332 97.3 78.1 117.1

141 33.4 23.9 35.9

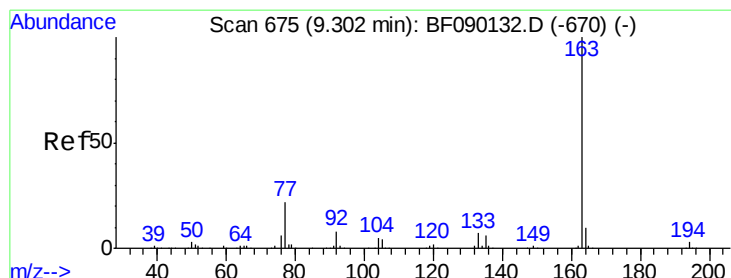
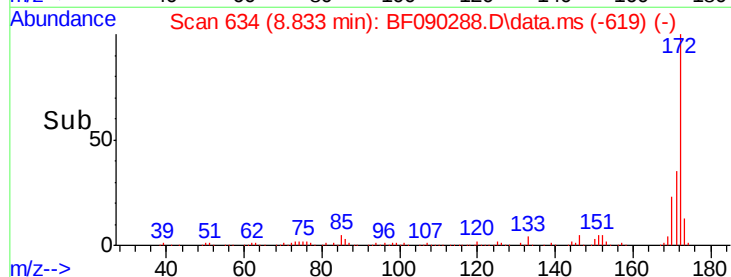
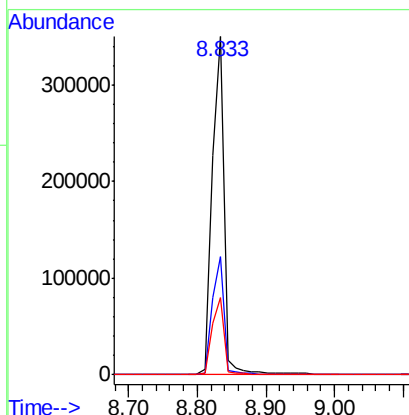
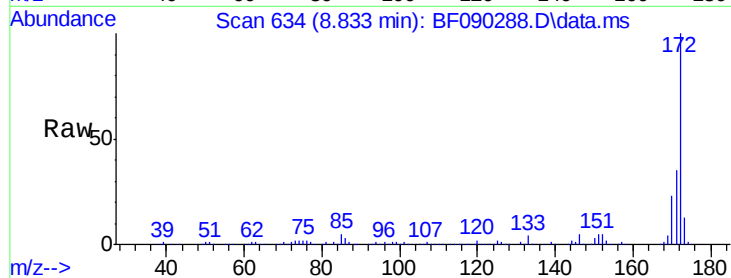




#44
2-Fluorobiphenyl
Concen: 25.38 ng
RT: 8.833 min Scan# 63
Delta R.T. -0.023 min
Lab File: BF090288.D
Acq: 29 Sep 2016 12:49

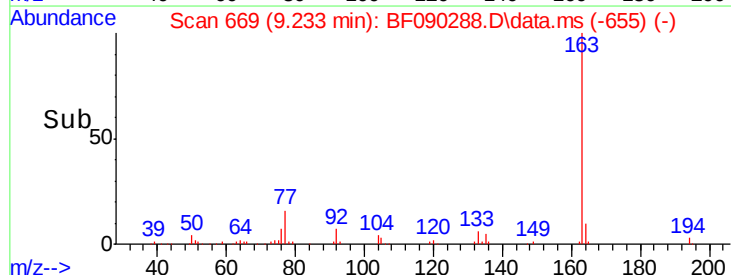
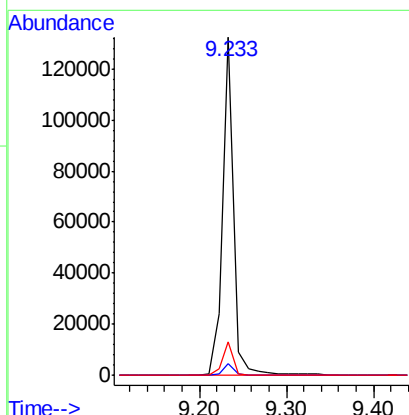
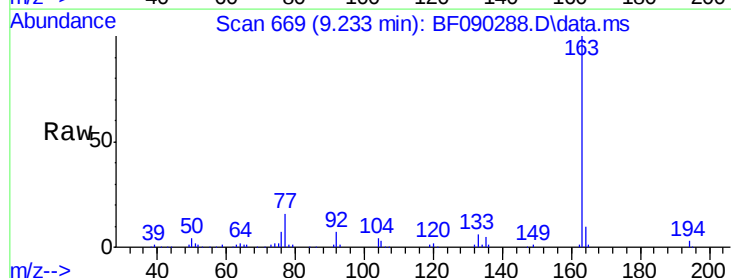
Instrument :
BNA_F
ClientSampleId :

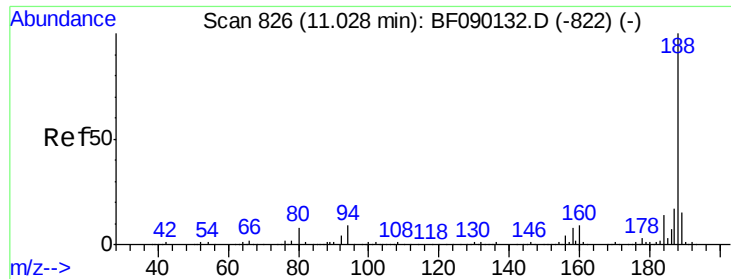
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.2	43.8
170	22.8	19.8	29.8



#49
Dimethylphthalate
Concen: 5.66 ng
RT: 9.233 min Scan# 669
Delta R.T. -0.034 min
Lab File: BF090288.D
Acq: 29 Sep 2016 12:49

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	9.8	8.1	12.1

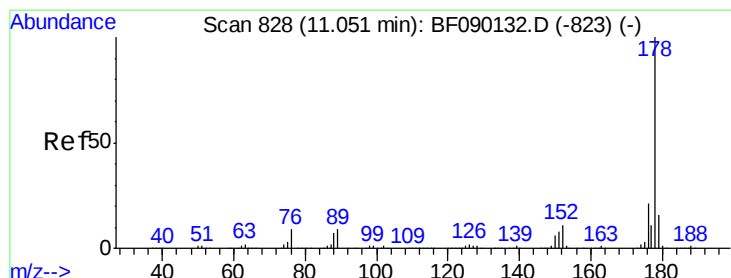
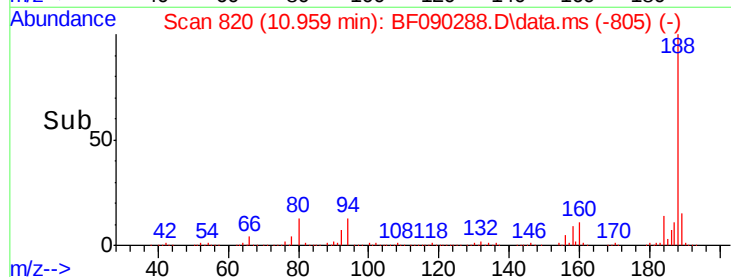
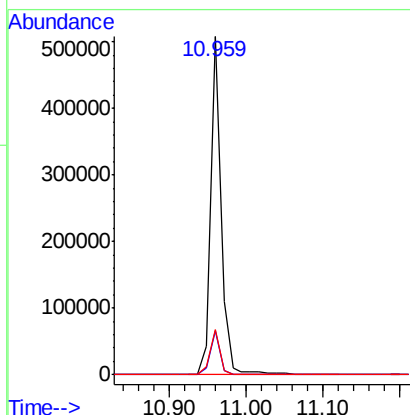
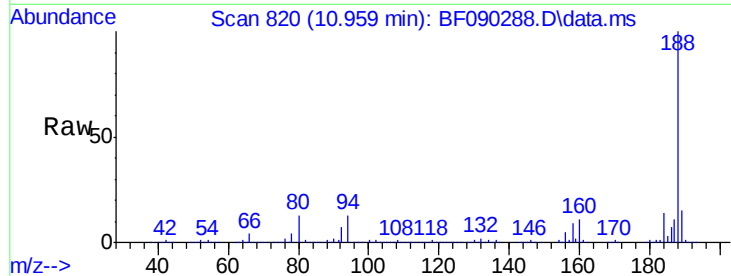




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.959 min Scan# 82
Delta R.T. -0.023 min
Lab File: BF090288.D
Acq: 29 Sep 2016 12:49

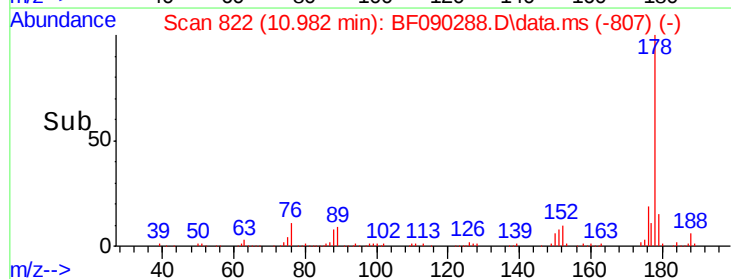
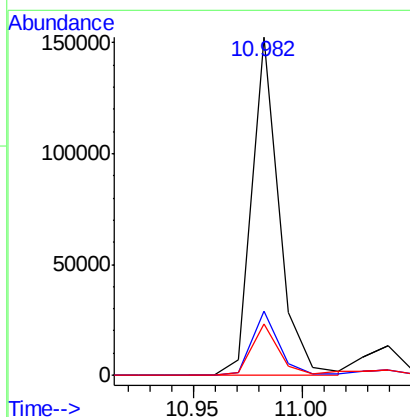
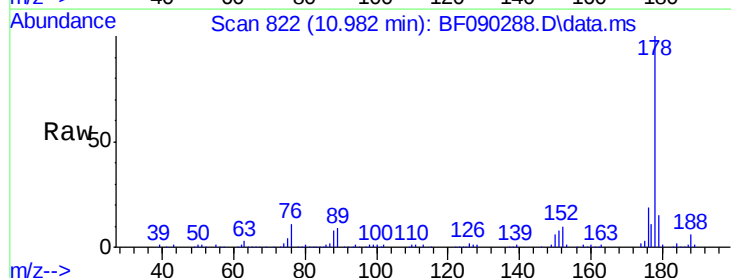
Instrument :
BNA_F
ClientSampled :

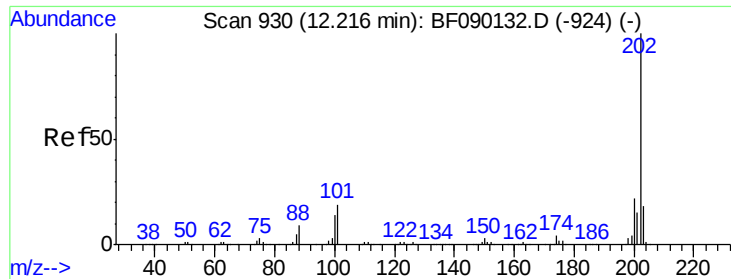
Tot Ion	Ratio	Lower	Upper
188	100		
94	12.7	10.5	15.7
80	13.2	11.2	16.8



#70
Phenanthrene
Concen: 5.98 ng
RT: 10.982 min Scan# 822
Delta R.T. -0.023 min
Lab File: BF090288.D
Acq: 29 Sep 2016 12:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.9	23.9
179	15.4	12.9	19.3

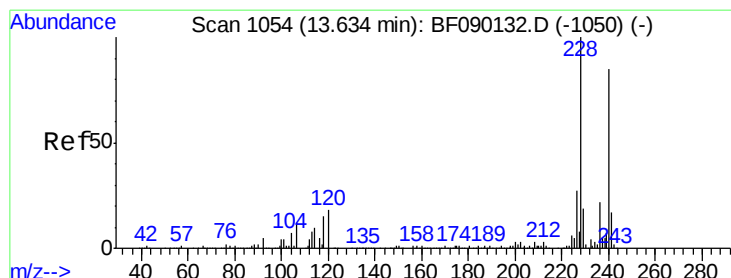
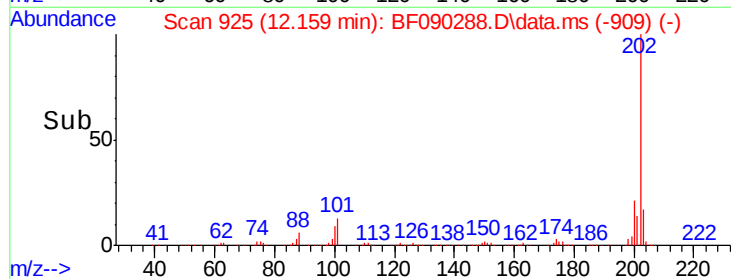
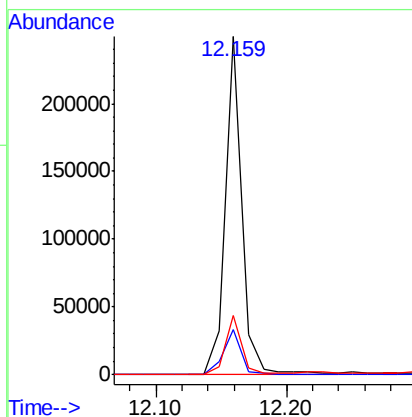
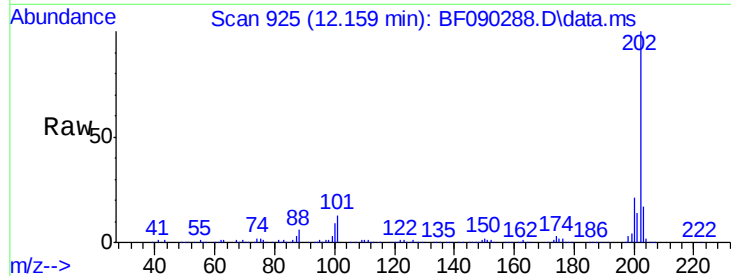




#74
Fluoranthene
Concen: 9.32 ng
RT: 12.159 min Scan# 92
Delta R.T. -0.023 min
Lab File: BF090288.D
Acq: 29 Sep 2016 12:49

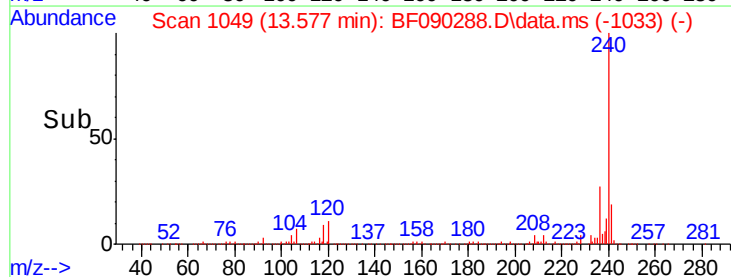
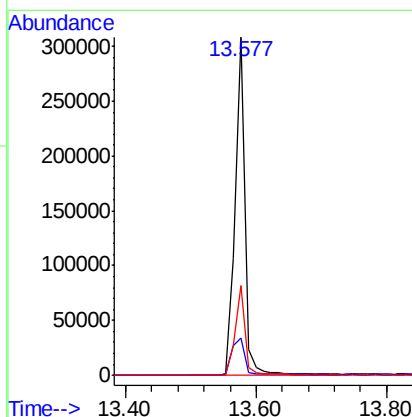
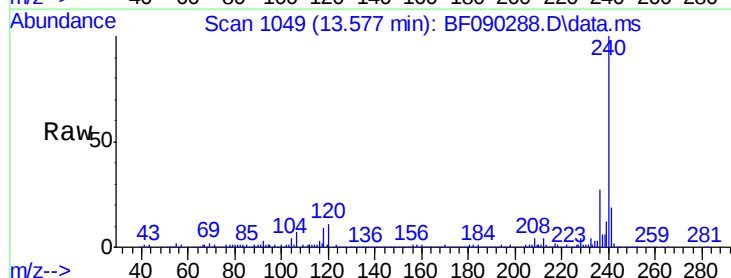
Instrument :
BNA_F
ClientSampleId :

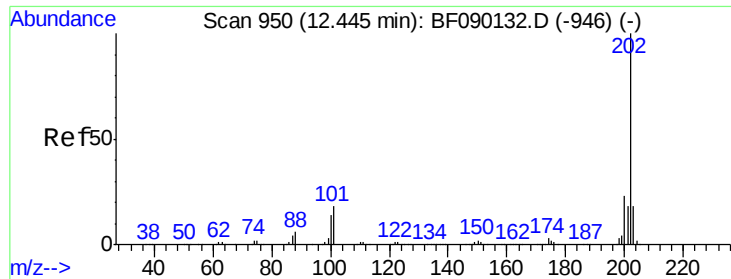
Tot Ion:	202	Resp:	222354
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	36.1
203	17.4	0.0	38.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.577 min Scan# 1049
Delta R.T. -0.023 min
Lab File: BF090288.D
Acq: 29 Sep 2016 12:49

Tgt Ion:	240	Resp:	319119
Ion Ratio	Lower	Upper	
240	100		
120	11.0	10.6	16.0
236	26.6	21.6	32.4

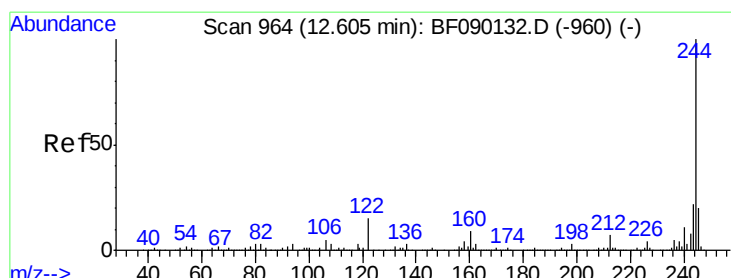
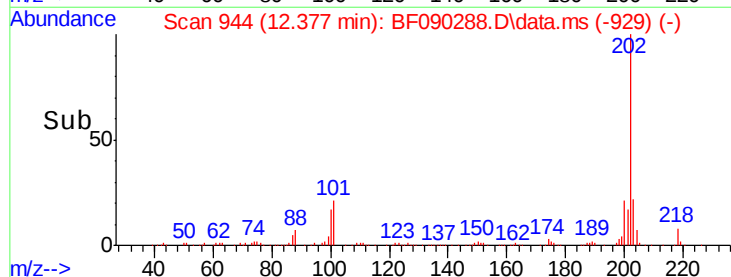
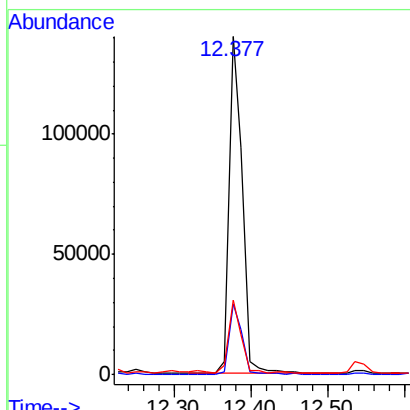
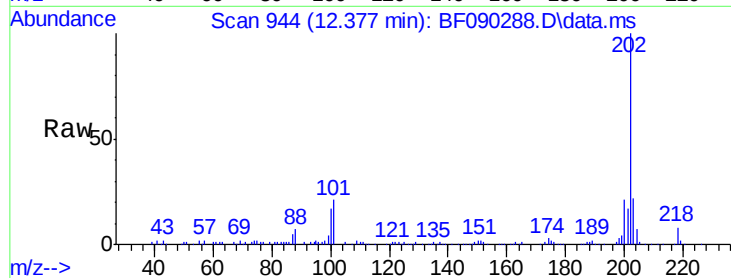




#77
Pvrene
Concen: 7.84 ng
RT: 12.377 min Scan# 94
Delta R.T. -0.023 min
Lab File: BF090288.D
Acq: 29 Sep 2016 12:49

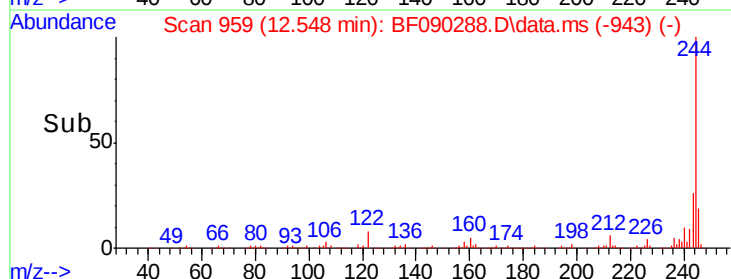
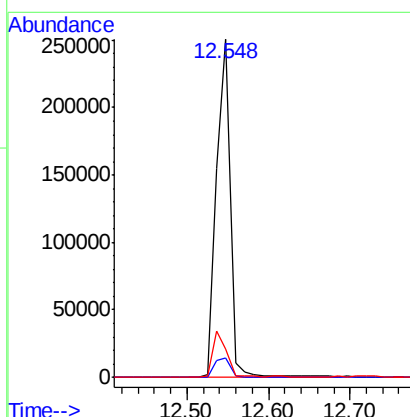
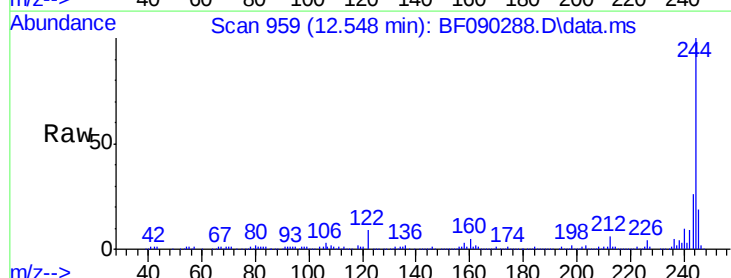
Instrument :
BNA_F
ClientSampleId :

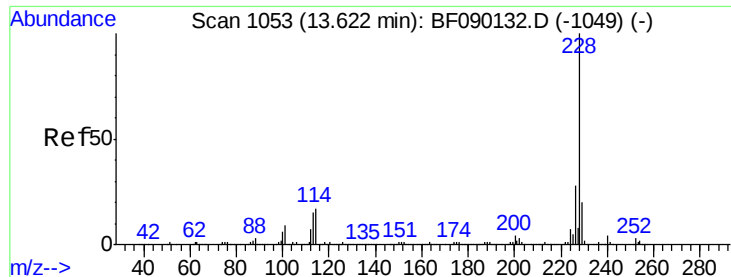
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.9	26.9
203	21.8	14.2	21.4



#78
Terphenyl-d14
Concen: 23.62 ng
RT: 12.548 min Scan# 959
Delta R.T. -0.011 min
Lab File: BF090288.D
Acq: 29 Sep 2016 12:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.8	8.8
122	8.5	9.4	14.0





#80

Benzo(a)anthracene

Concen: 3.76 ng

RT: 13.565 min Scan# 1048

Delta R.T. -0.023 min

Lab File: BF090288.D

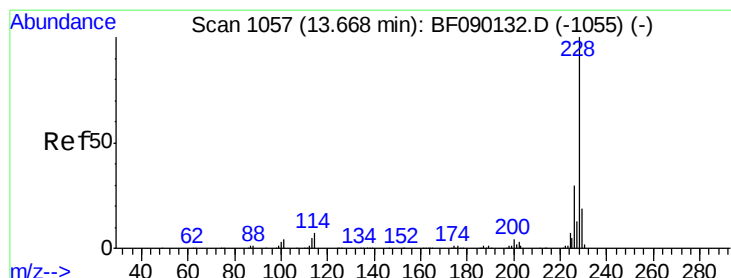
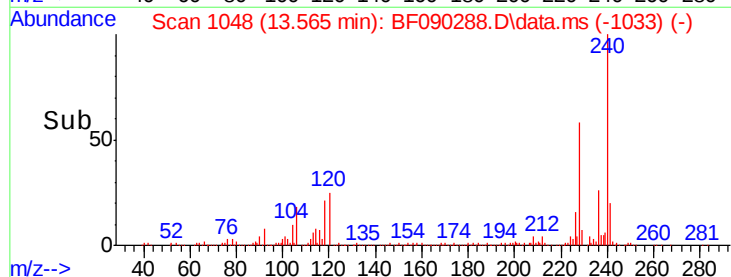
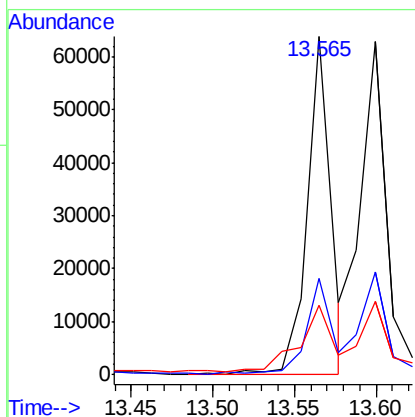
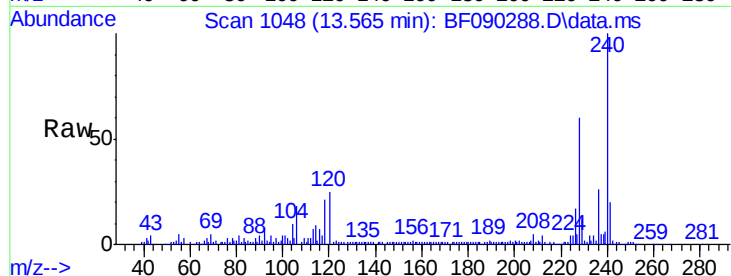
Acq: 29 Sep 2016 12:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	64629
Ion Ratio	Lower	Upper
228	100	
226	28.3	22.0 33.0
229	20.5	16.2 24.2



#82

Chrysene

Concen: 3.86 ng

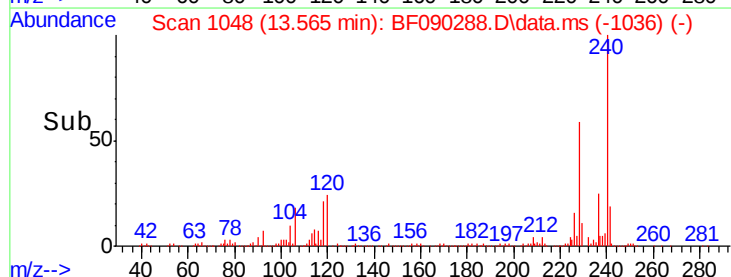
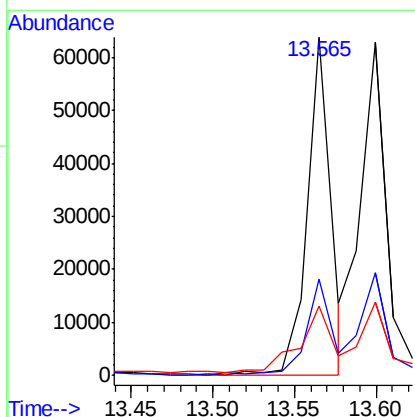
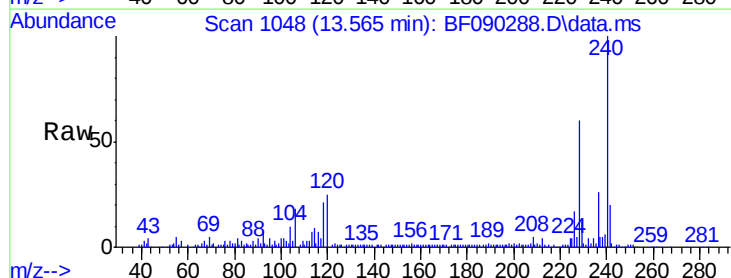
RT: 13.565 min Scan# 1048

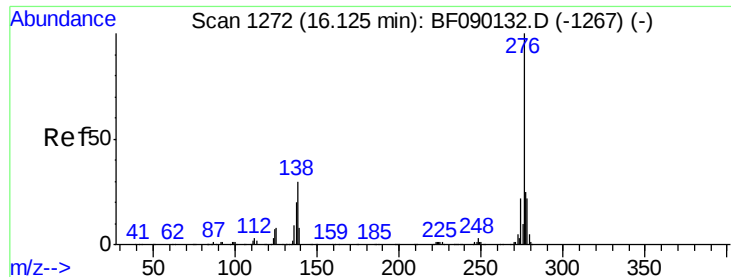
Delta R.T. -0.057 min

Lab File: BF090288.D

Acq: 29 Sep 2016 12:49

Tgt Ion:228	Resp:	64629
Ion Ratio	Lower	Upper
228	100	
226	28.3	24.6 37.0
229	20.5	16.2 24.4

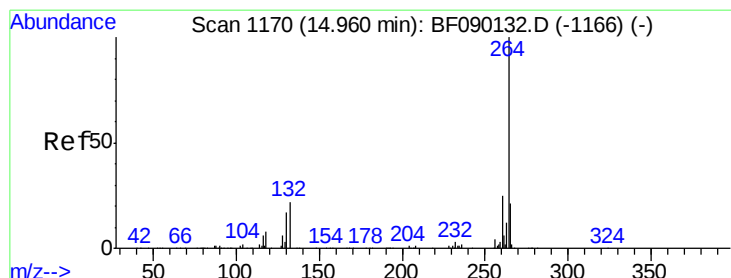
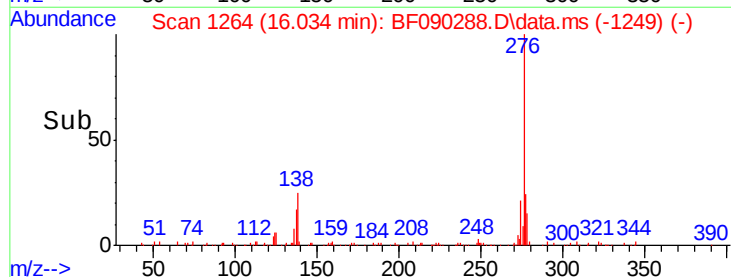
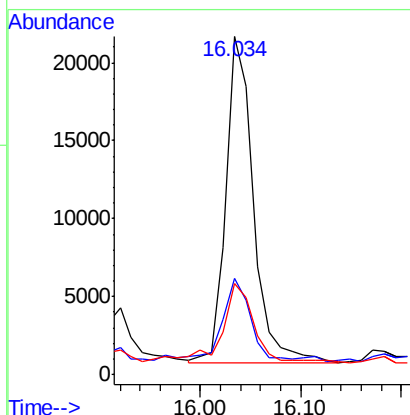
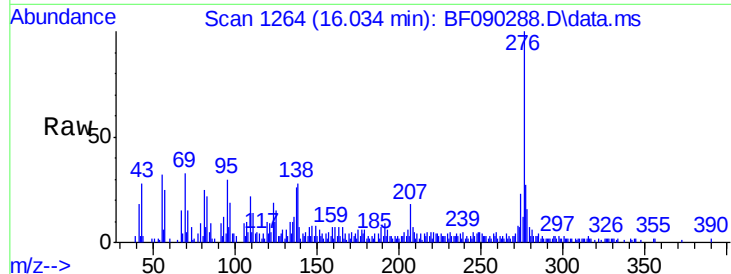




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.92 ng
RT: 16.034 min Scan# 1272
Delta R.T. -0.023 min
Lab File: BF090288.D
Acq: 29 Sep 2016 12:49

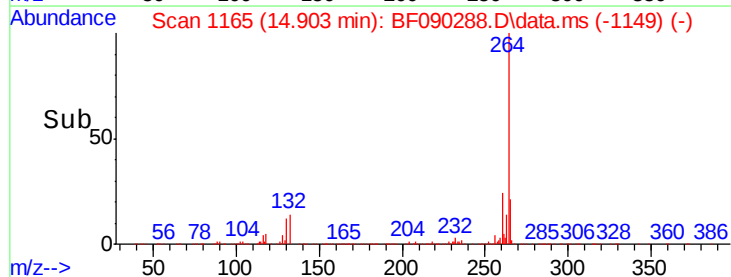
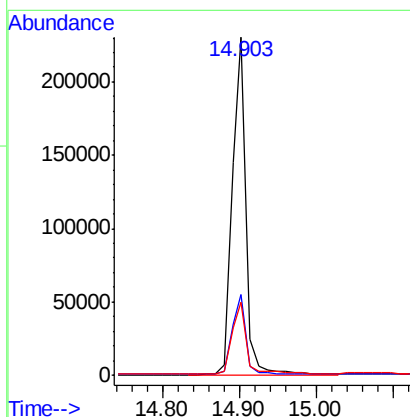
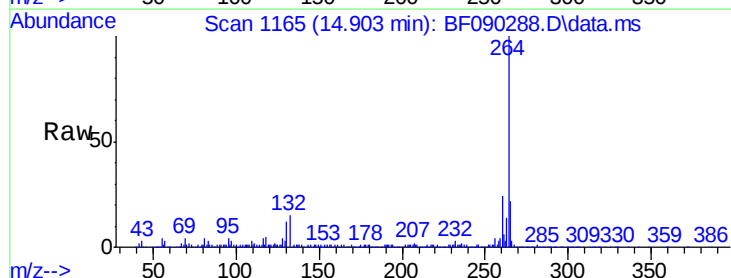
Instrument :
BNA_F
ClientSampleId :

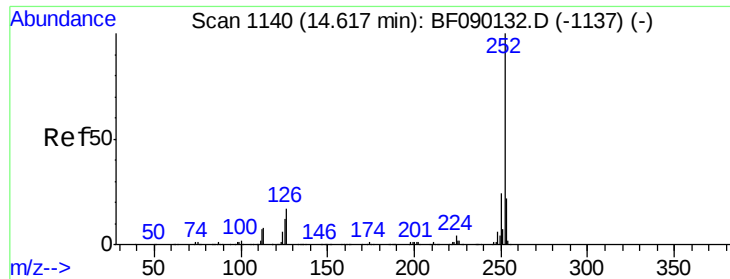
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.5	25.9	38.9
277	29.3	19.9	29.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.903 min Scan# 1165
Delta R.T. -0.011 min
Lab File: BF090288.D
Acq: 29 Sep 2016 12:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.6	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 7.33 ng

RT: 14.560 min Scan# 111

Delta R.T. -0.011 min

Lab File: BF090288.D

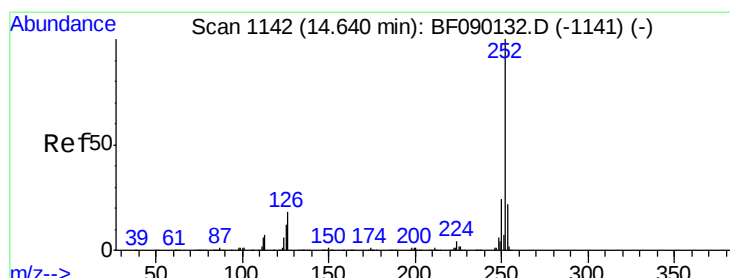
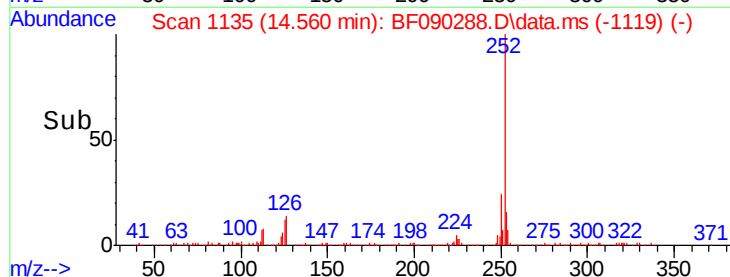
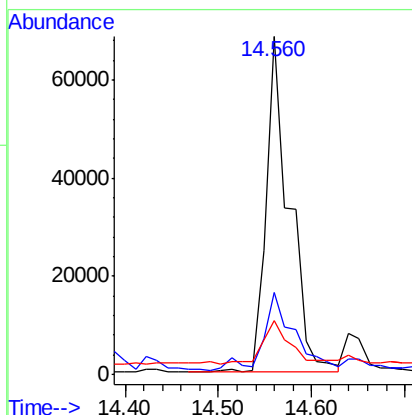
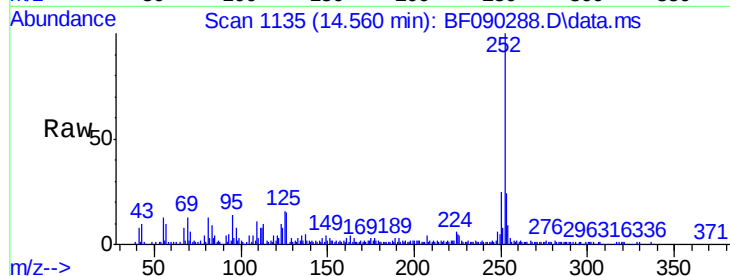
Acq: 29 Sep 2016 12:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	118302
Ion Ratio		Lower	Upper
252	100		
253	24.4	17.9	26.9
125	15.8	12.7	19.1



#88

Benzo(k)fluoranthene

Concen: 7.81 ng

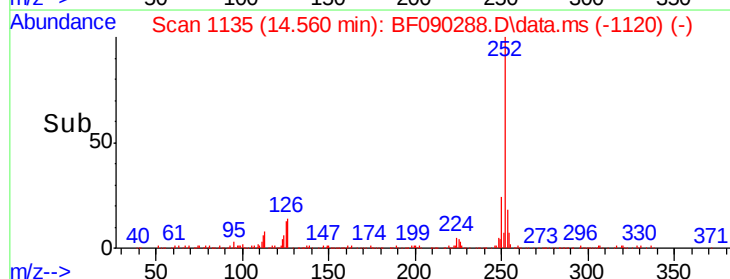
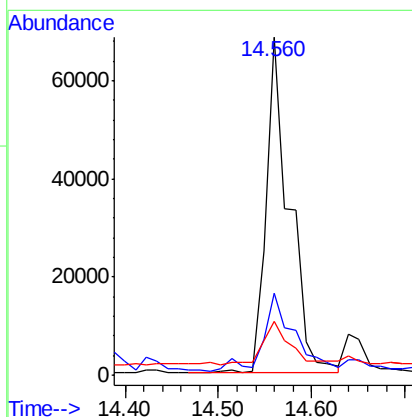
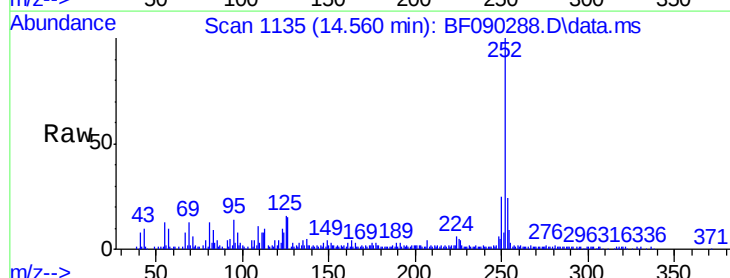
RT: 14.560 min Scan# 1135

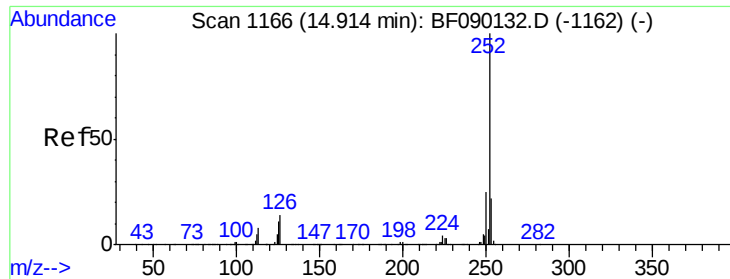
Delta R.T. -0.034 min

Lab File: BF090288.D

Acq: 29 Sep 2016 12:49

Tgt Ion:	252	Resp:	118302
Ion Ratio		Lower	Upper
252	100		
253	24.4	17.8	26.8
125	15.8	7.8	11.6#





#89

Benzo(a)pyrene

Concen: 3.85 ng

RT: 14.845 min Scan# 1166

Delta R.T. -0.023 min

Lab File: BF090288.D

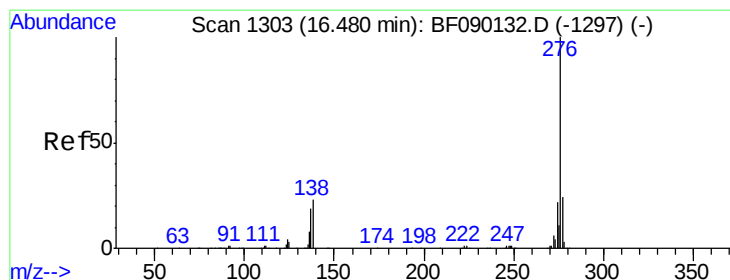
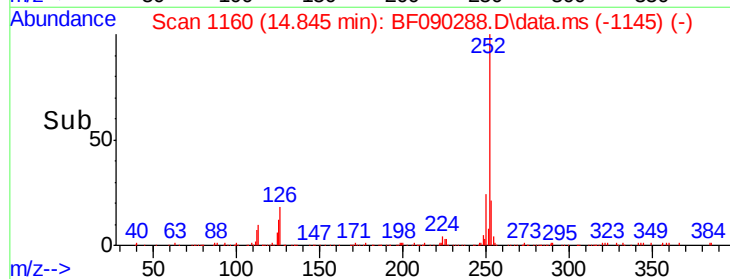
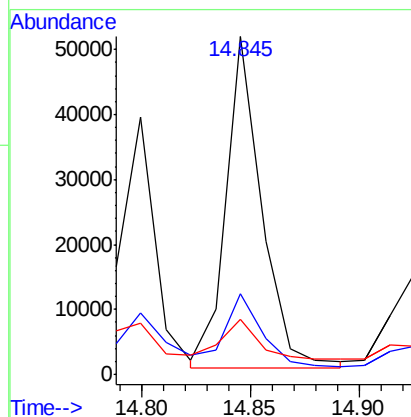
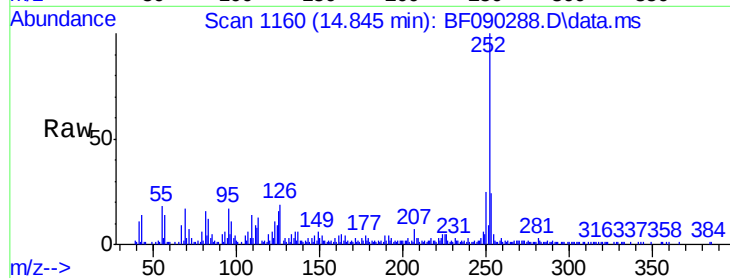
Acq: 29 Sep 2016 12:49

Instrument :

BNA_F

ClientSampled :

Tot Ion:	252	Resp:	58426
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.4	26.0
125	16.2	7.7	11.5#



#91

Benzo(g,h,i)perylene

Concen: 3.48 ng

RT: 16.377 min Scan# 1294

Delta R.T. -0.023 min

Lab File: BF090288.D

Acq: 29 Sep 2016 12:49

Tgt Ion:	276	Resp:	40354
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.9	28.3
138	25.9	23.3	34.9

