

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
 Data File : BF086497.D
 Acq On : 29 Apr 2016 17:35
 Operator : UM/SJ
 Sample : H2784-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP2(2A-2B-2C-2D)

Manual Integrations
 APPROVED

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 4/30/2016 11:23:12 AM

Quant Time: Apr 30 01:21:42 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	173676	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	717714	20.00	ng	-0.03
38) Acenaphthene-d10	9.81	164	299910	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	468464	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	334650	20.00	ng	-0.03
86) Perylene-d12	15.33	264	278007	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1322253	131.32	ng	-0.01
7) Phenol-d6	6.43	99	2043276	145.40	ng	-0.01
23) Nitrobenzene-d5	7.34	82	1176552	88.36	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	347209	109.78	ng	-0.03
44) 2-Fluorobiphenyl	9.15	172	1717606	105.25	ng	-0.02
78) Terphenyl-d14	12.89	244	1130477	74.42	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.54	163	179679	7.96	ng	99
70) Phenanthrene	11.32	178	72480	2.95	ng	98
74) Fluoranthene	12.50	202	160618	6.47	ng	99
77) Pyrene	12.73	202	160737	6.67	ng	99
80) Benzo(a)anthracene	13.92	228	71424	4.00	ng	92
82) Chrysene	13.95	228	92151m	4.75	ng	
83) Bis(2-ethylhexyl)phthalate	13.92	149	28650	2.21	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.68	276	77684	5.41	ng	99
87) Benzo(b)fluoranthene	14.93	252	102614m	6.27	ng	
88) Benzo(k)fluoranthene	14.95	252	57264m	3.36	ng	
89) Benzo(a)pyrene	15.28	252	83262	5.39	ng	# 85
90) Dibenzo(a,h)anthracene	16.69	278	33091	2.62	ng	# 72
91) Benzo(a,h,i)perylene	17.09	276	138992	10.98	ng	95

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

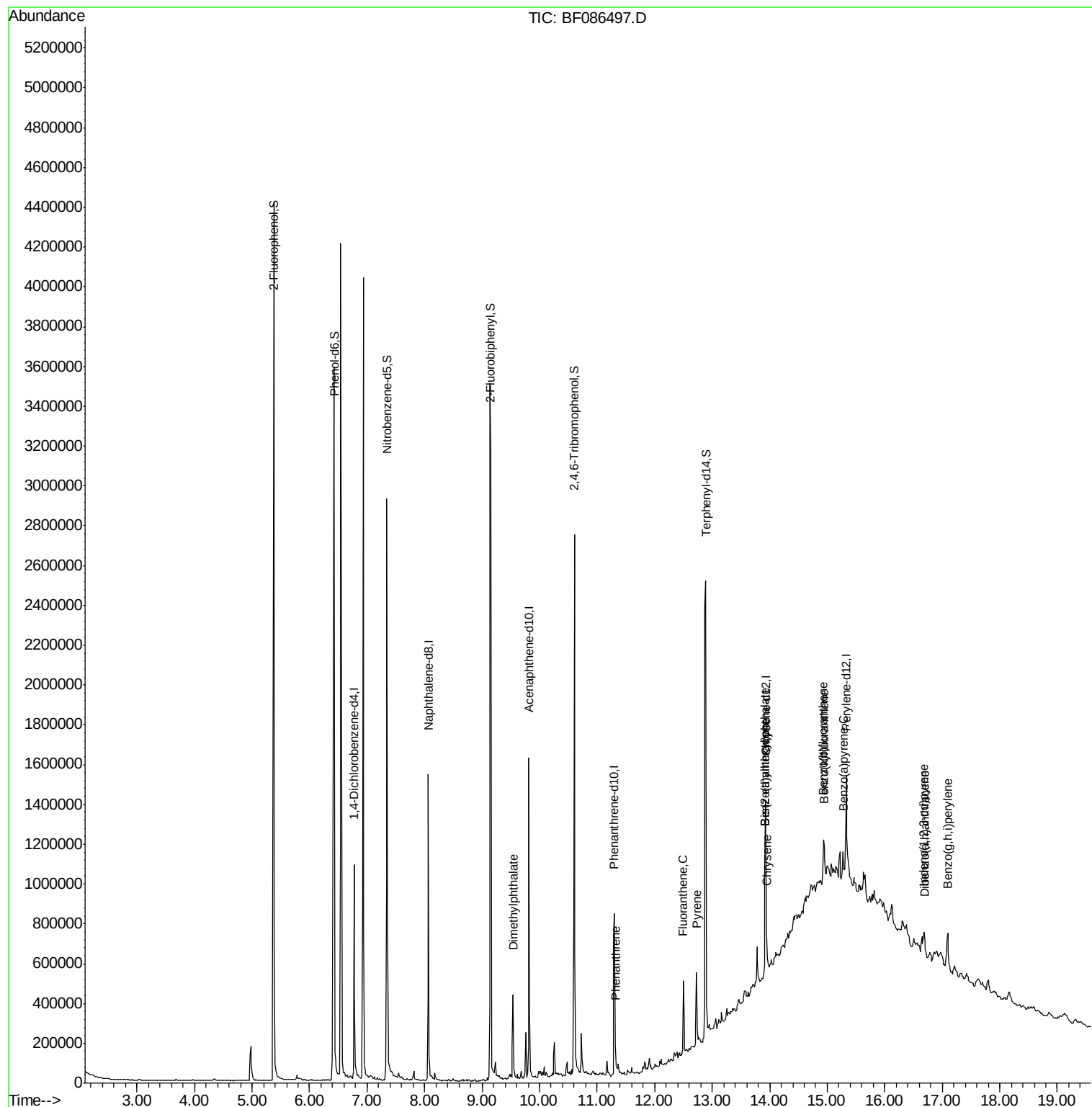
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086497.D
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Sample : H2784-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

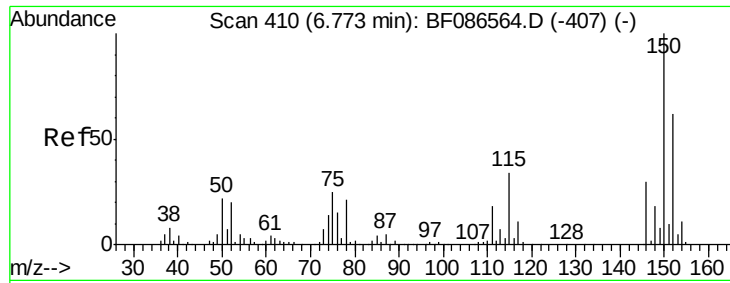
Instrument :
BNA_F
ClientSampleId :
COMP2(2A-2B-2C-2D)

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#1

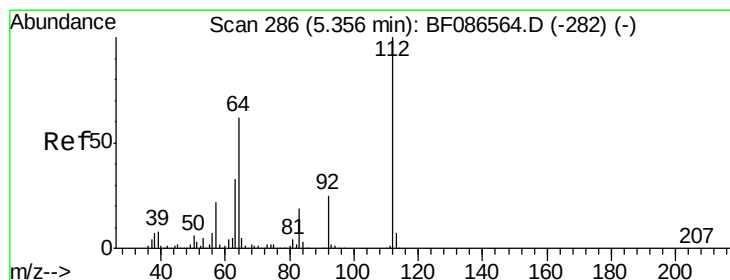
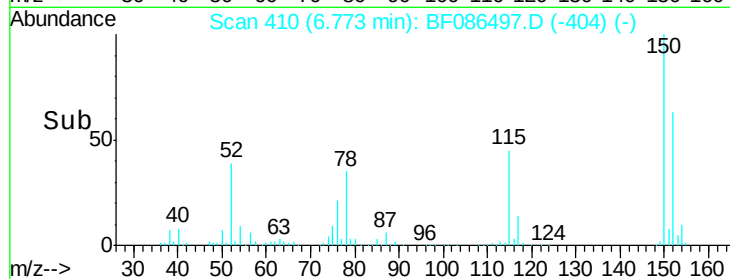
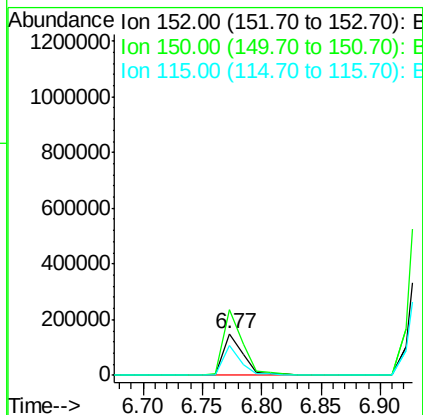
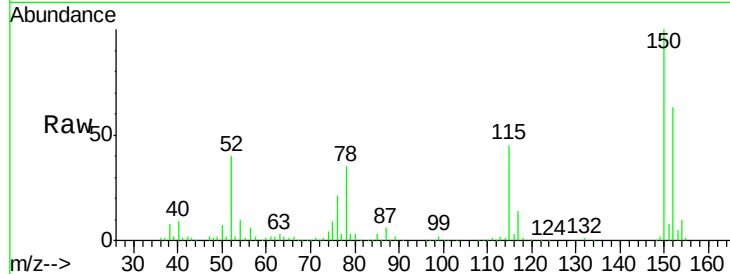
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.03 min
Lab File: BF086497.D
Acq: 29 Apr 2016 17:35

Instrument :
BNA_F
ClientSampleId :
COMP2(2A-2B-2C-2D)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	125.8	188.6
115	71.0	51.5	77.3

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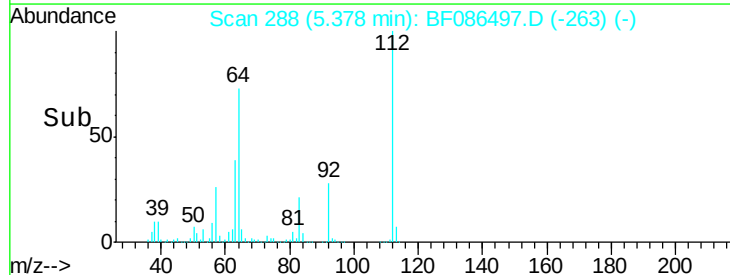
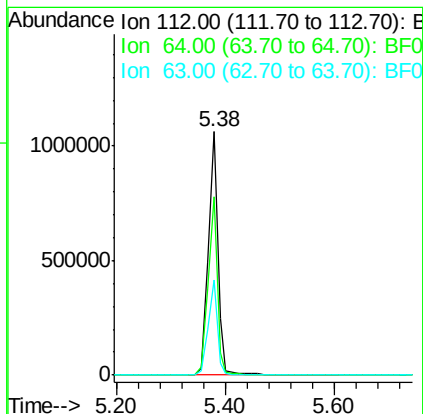
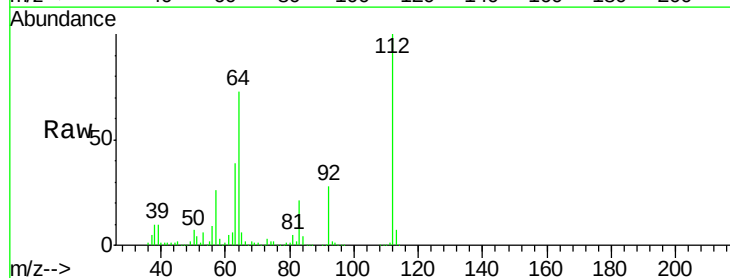
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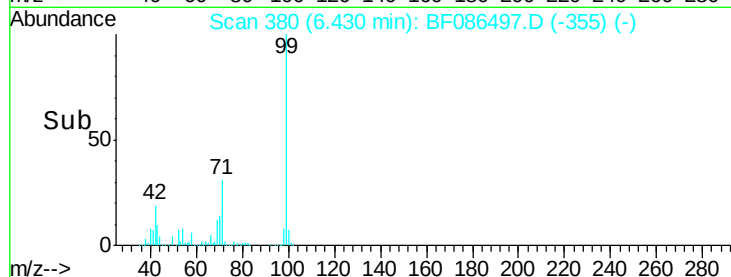
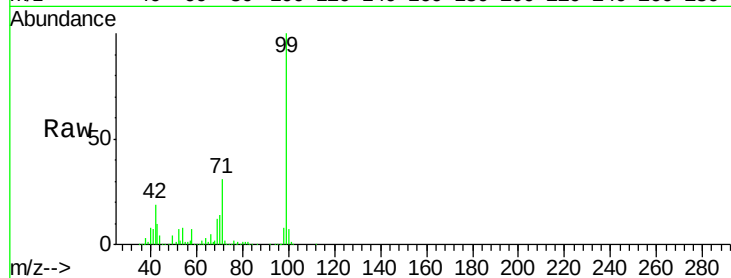
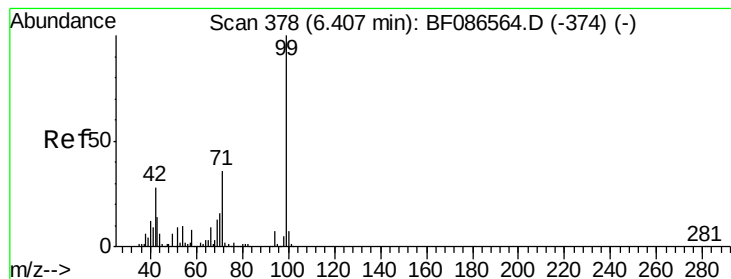


#5

2-Fluorophenol
Concen: 131.32 ng
RT: 5.38 min Scan# 288
Delta R.T. -0.01 min
Lab File: BF086497.D
Acq: 29 Apr 2016 17:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.4	52.1	78.1
63	39.1	25.7	38.5





#7

Phenol-d6

Concen: 145.40 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086497.D

Acq: 29 Apr 2016 17:35

Tot Ion: 99 Resp: 2043276

Ion Ratio Lower Upper

99 100

42 19.2 13.6 20.4

71 30.8 24.6 36.8

Instrument :

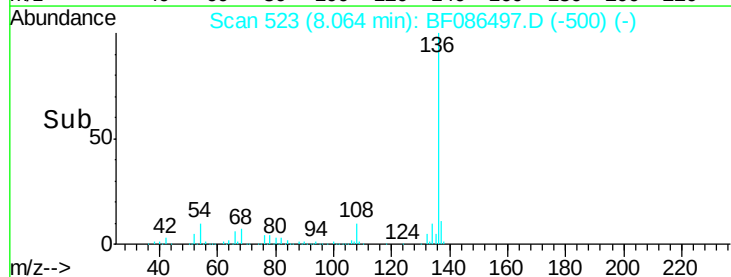
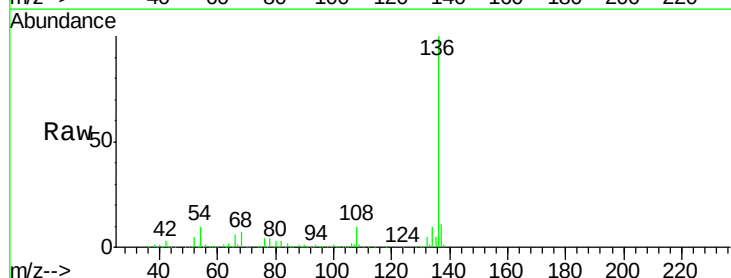
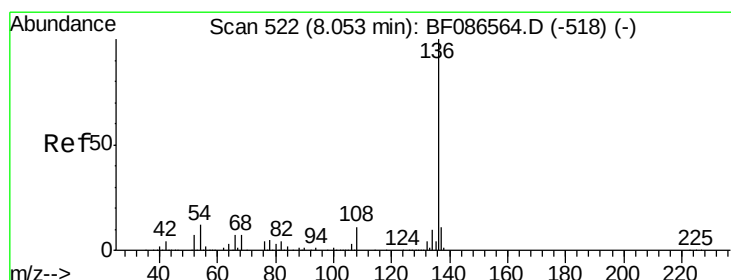
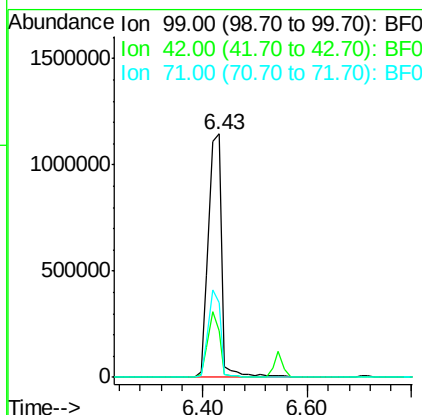
BNA_F

ClientSampleId :

COMP2(2A-2B-2C-2D)

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.03 min

Lab File: BF086497.D

Acq: 29 Apr 2016 17:35

Tgt Ion: 136 Resp: 717714

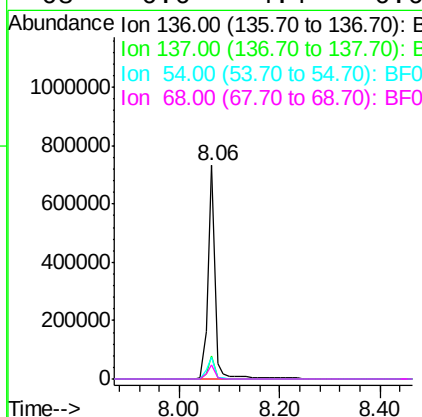
Ion Ratio Lower Upper

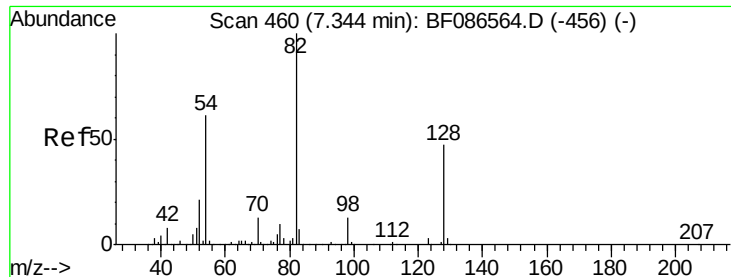
136 100

137 11.1 8.8 13.2

54 10.4 5.0 7.4#

68 6.6 4.4 6.6





#23

Nitrobenzene-d5

Concen: 88.36 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.03 min

Lab File: BF086497.D

Acq: 29 Apr 2016 17:35

Instrument :

BNA_F

ClientSampleId :

COMP2(2A-2B-2C-2D)

Tot Ion: 82 Resp: 1176552

Ion Ratio Lower Upper

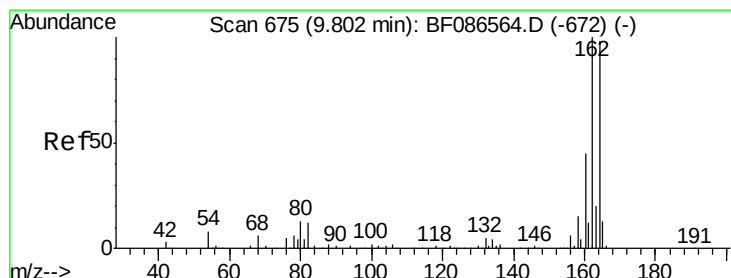
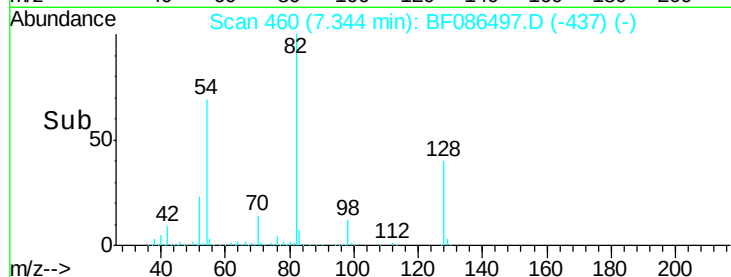
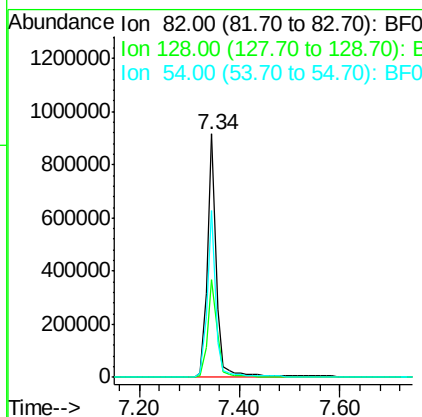
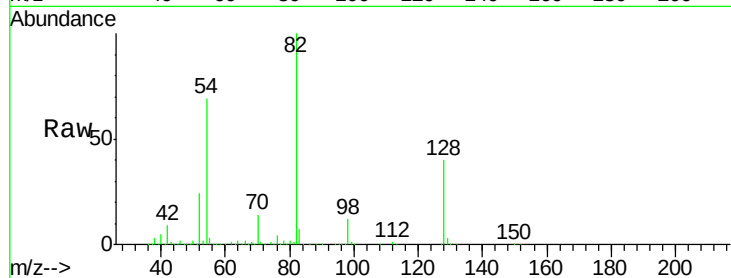
82 100

128 39.9 40.6 61.0#

54 68.7 38.1 57.1#

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#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.03 min

Lab File: BF086497.D

Acq: 29 Apr 2016 17:35

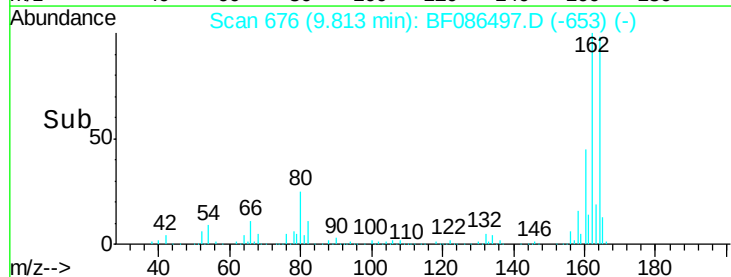
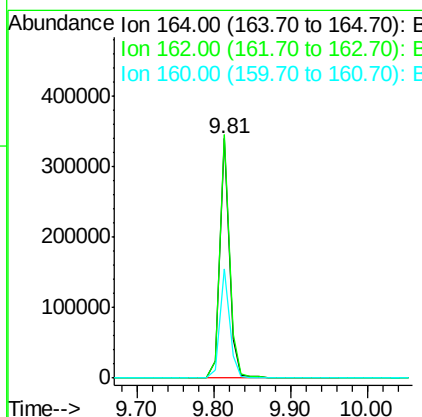
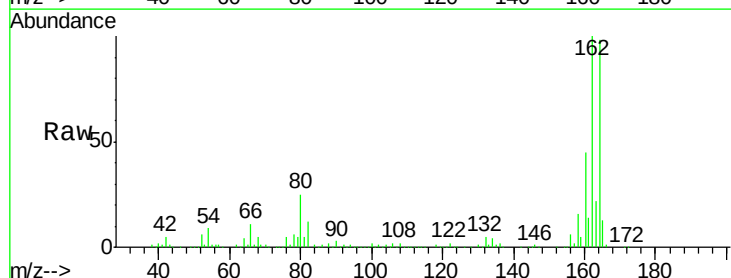
Tgt Ion:164 Resp: 299910

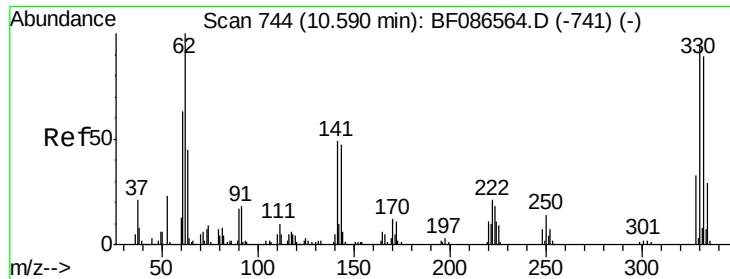
Ion Ratio Lower Upper

164 100

162 101.6 82.8 124.2

160 45.6 36.9 55.3





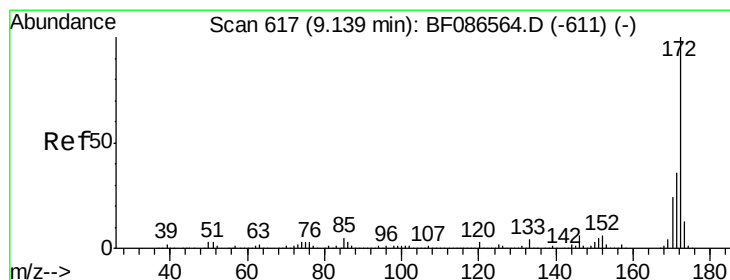
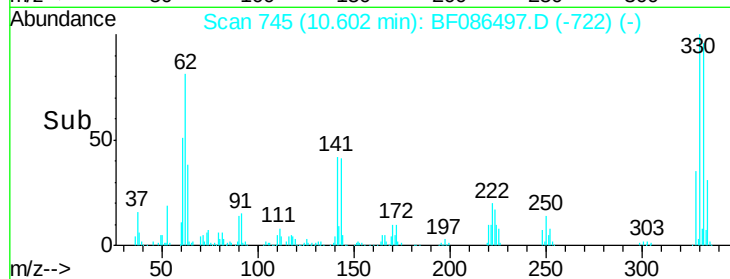
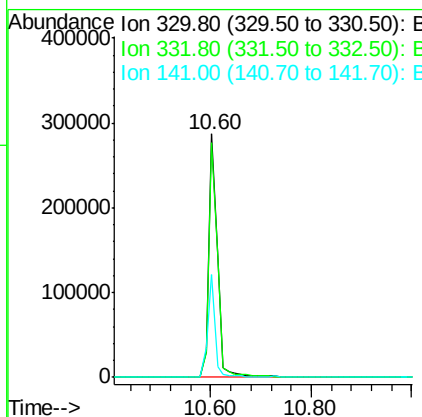
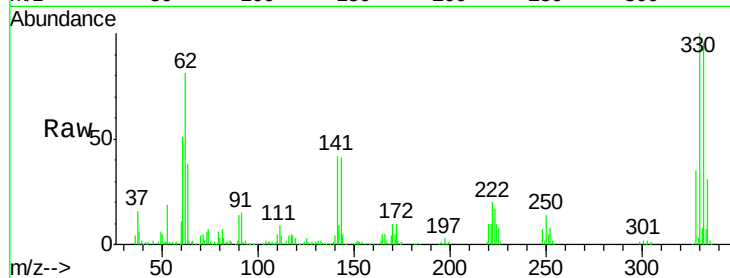
#41
 2,4,6-Tribromophenol
 Concen: 109.78 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.03 min
 Lab File: BF086497.D
 Acq: 29 Apr 2016 17:35

Instrument :
 BNA_F
 ClientSampleId :
 COMP2(2A-2B-2C-2D)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	79.0	118.4
141	36.3	31.2	46.8

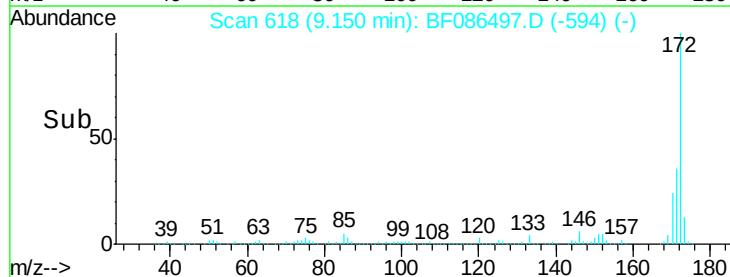
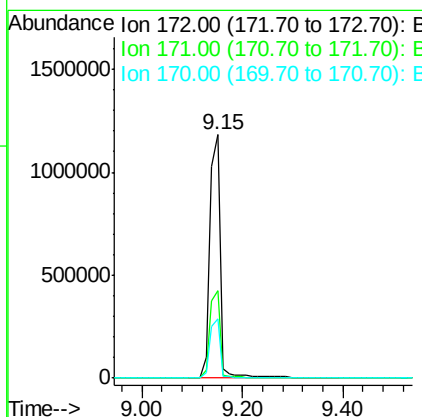
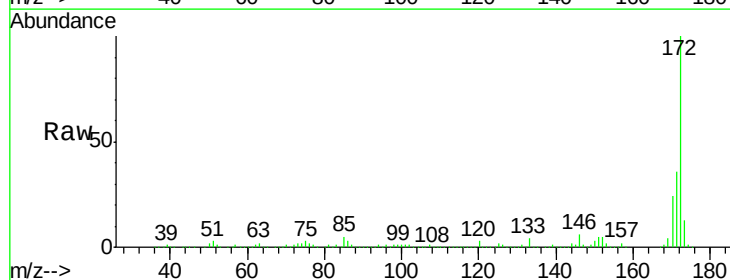
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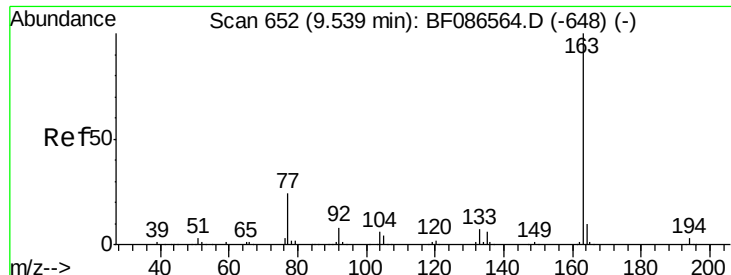
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#44
 2-Fluorobiphenyl
 Concen: 105.25 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF086497.D
 Acq: 29 Apr 2016 17:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.6
170	24.3	19.8	29.8





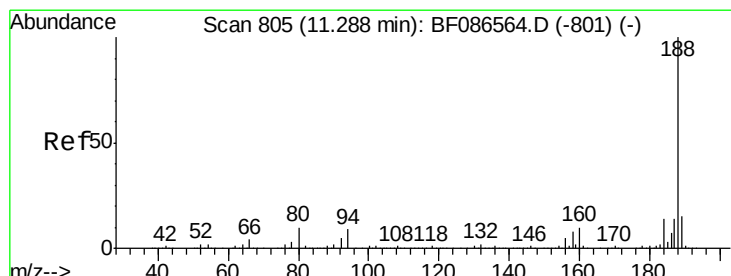
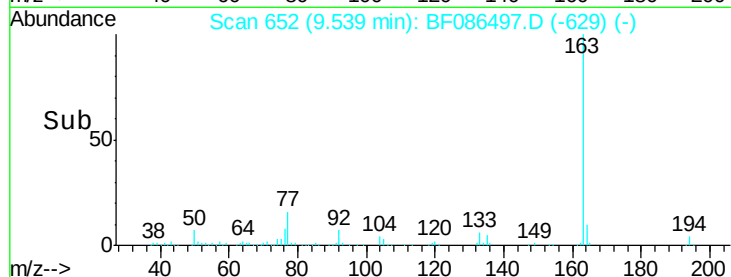
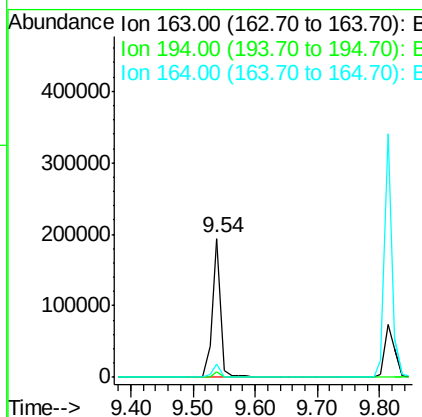
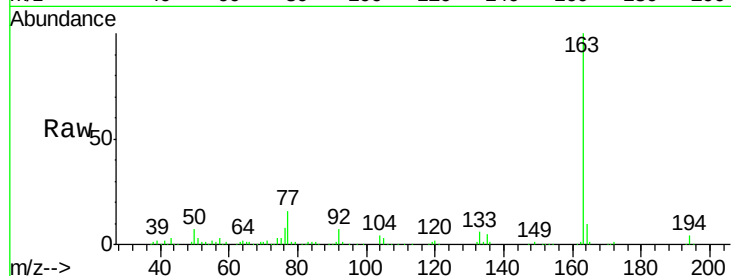
#49
Dimethylphthalate
Concen: 7.96 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF086497.D
Acq: 29 Apr 2016 17:35

Instrument :
BNA_F
ClientSampleId :
COMP2(2A-2B-2C-2D)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	179679		
194	3.6		2.6	4.0
164	9.8		8.2	12.4

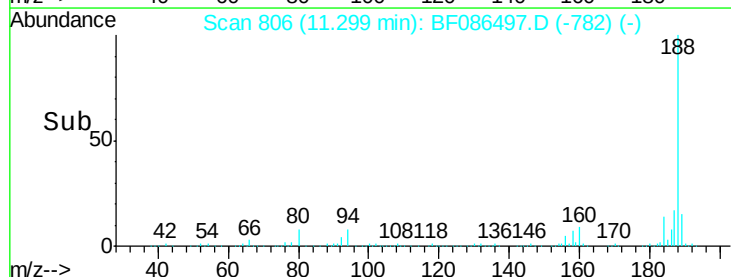
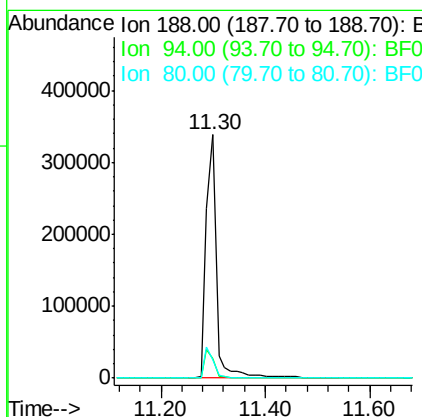
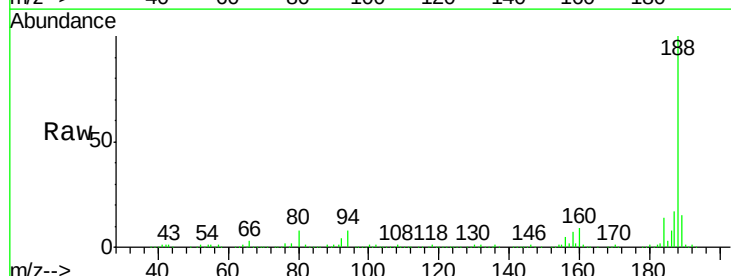
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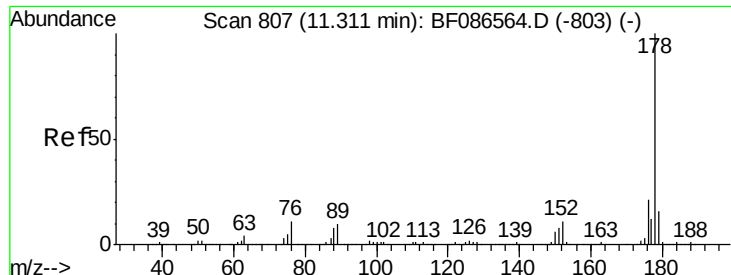
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF086497.D
Acq: 29 Apr 2016 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	468464		
94	7.9		6.8	10.2
80	7.6		7.1	10.7





#70

Phenanthrene

Concen: 2.95 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.03 min

Lab File: BF086497.D

Acq: 29 Apr 2016 17:35

Instrument :

BNA_F

ClientSampleId :

COMP2(2A-2B-2C-2D)

Tot Ion:178 Resp: 72480

Ion Ratio Lower Upper

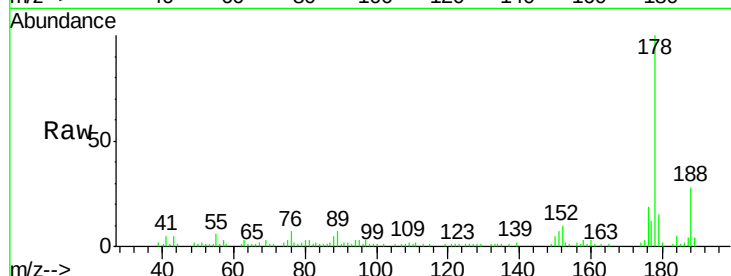
178 100

176 19.0 16.0 24.0

179 15.4 12.6 18.8

Manual Integrations
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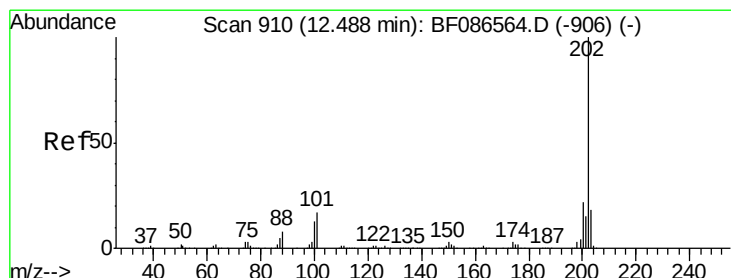
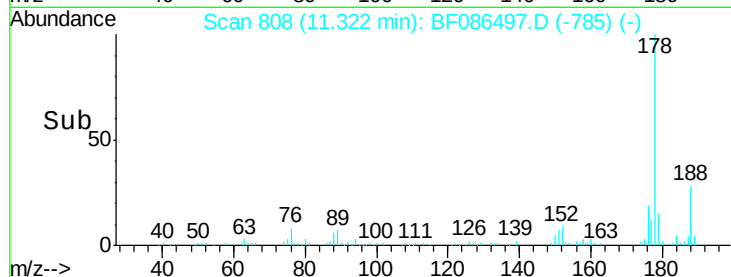
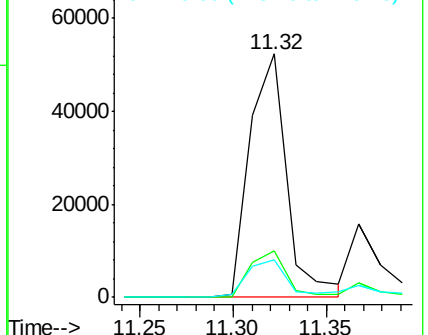
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 6.47 ng

RT: 12.50 min Scan# 911

Delta R.T. -0.03 min

Lab File: BF086497.D

Acq: 29 Apr 2016 17:35

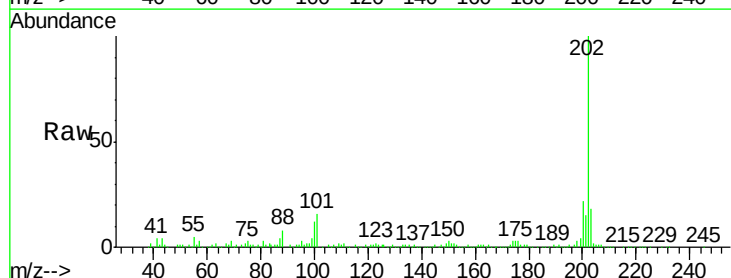
Tgt Ion:202 Resp: 160618

Ion Ratio Lower Upper

202 100

101 15.8 0.0 35.4

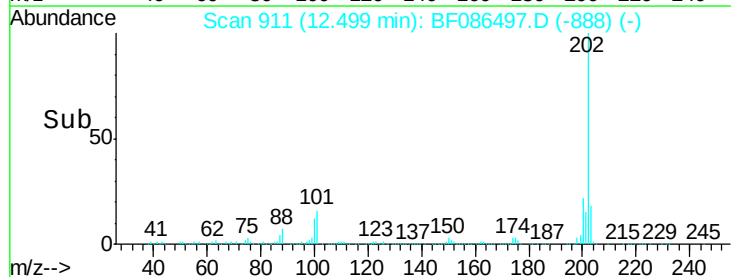
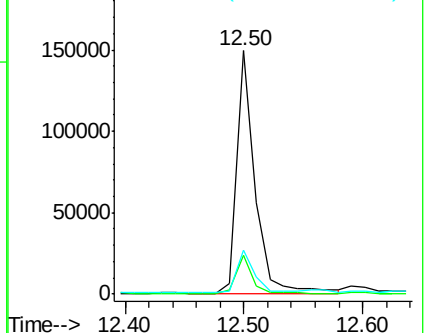
203 18.0 0.0 38.1

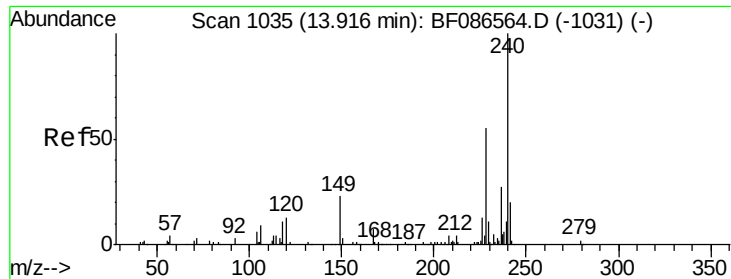


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF086497.D

Acq: 29 Apr 2016 17:35

Instrument :

BNA_F

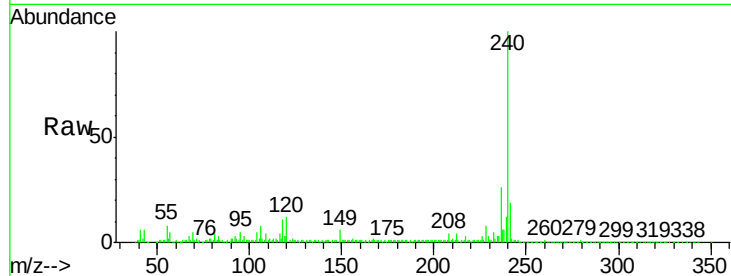
ClientSampleId :

COMP2(2A-2B-2C-2D)

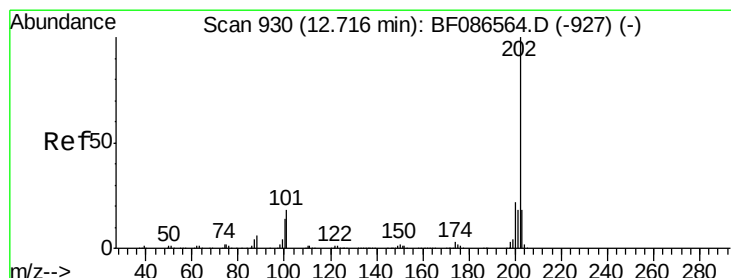
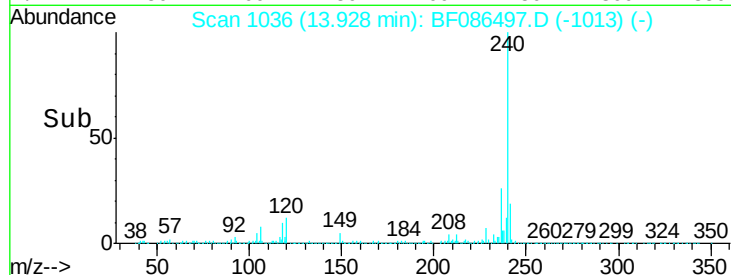
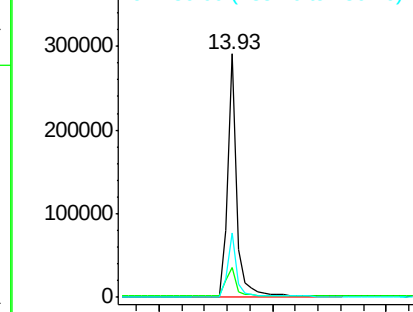
Tot Ion:	240	Resp:	334650
Ion Ratio	Lower	Upper	
240	100		
120	12.2	11.2	16.8
236	26.4	21.2	31.8

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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

Pyrene

Concen: 6.67 ng

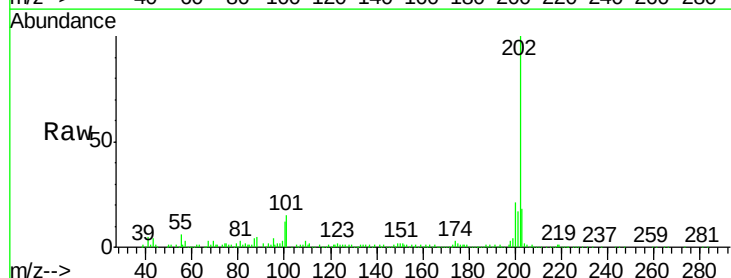
RT: 12.73 min Scan# 931

Delta R.T. -0.03 min

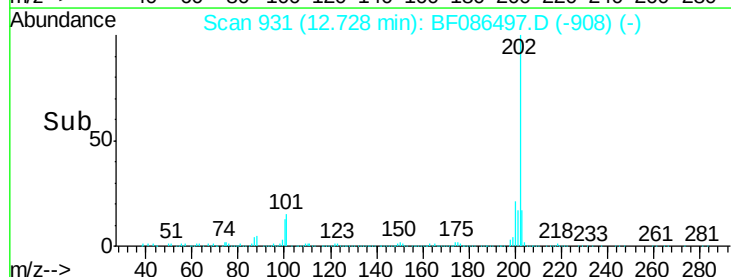
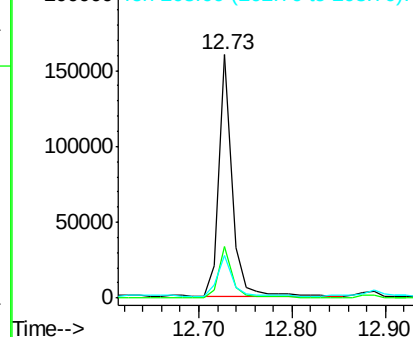
Lab File: BF086497.D

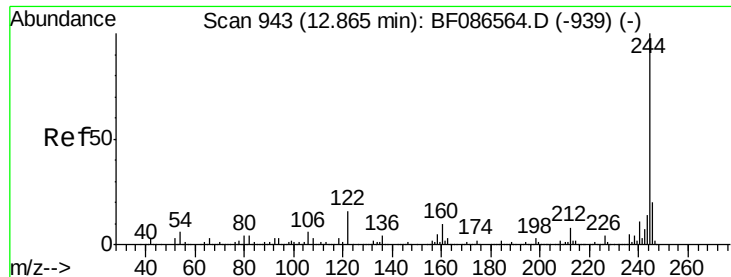
Acq: 29 Apr 2016 17:35

Tgt Ion:	202	Resp:	160737
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.7	26.5
203	17.7	14.2	21.4



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: 74.42 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF086497.D

Acq: 29 Apr 2016 17:35

Instrument :

BNA_F

ClientSampleId :

COMP2(2A-2B-2C-2D)

Tot Ion:244 Resp: 1130477

Ion Ratio Lower Upper

244 100

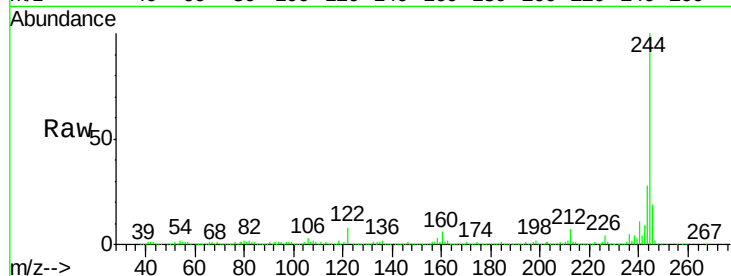
212 7.1 6.2 9.2

122 8.4 12.0 18.0#

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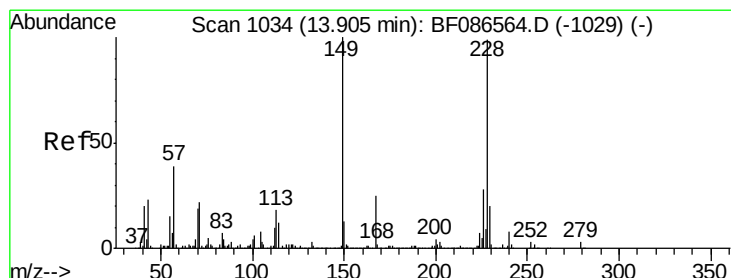
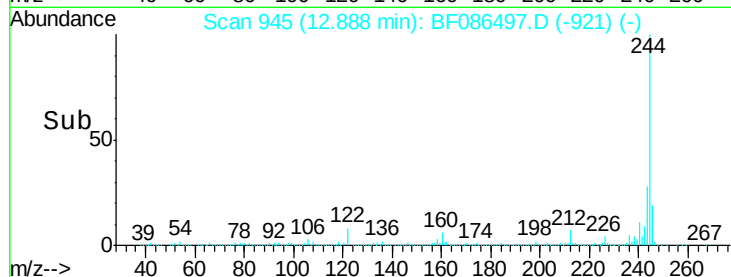
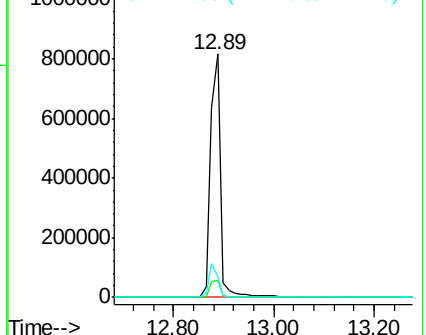
4/30/2016 11:23:12 AM



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: 4.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF086497.D

Acq: 29 Apr 2016 17:35

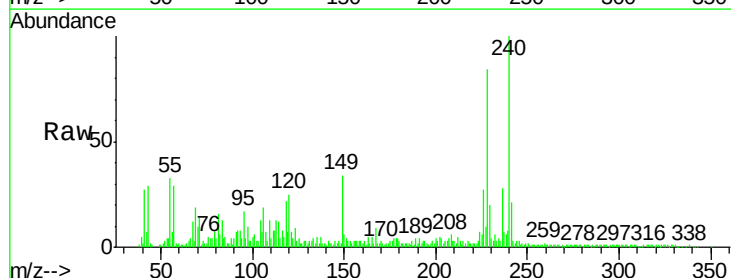
Tgt Ion:228 Resp: 71424

Ion Ratio Lower Upper

228 100

226 32.7 22.5 33.7

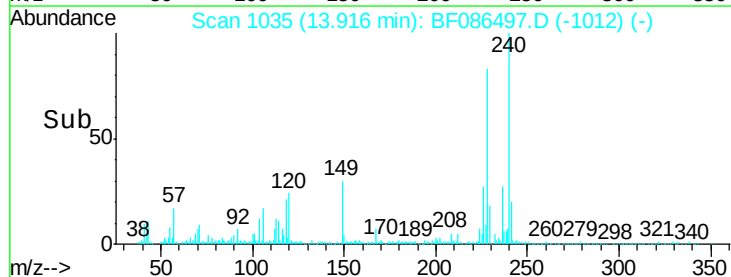
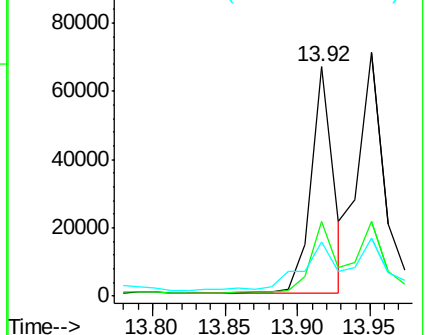
229 23.9 16.6 25.0

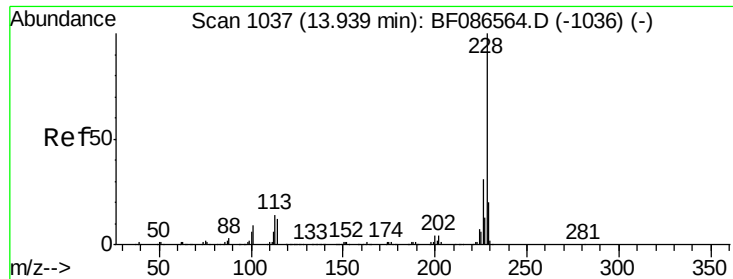


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.75 ng/mL

RT: 13.95 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF086497.D

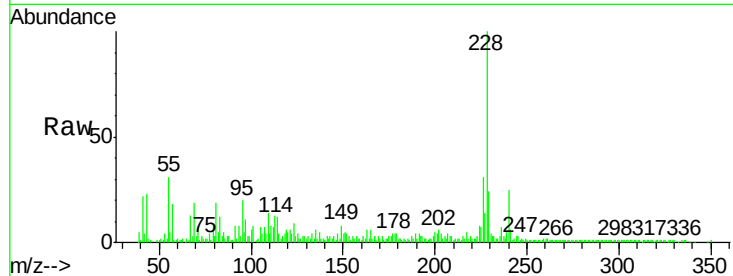
Acq: 29 Apr 2016 17:35

Instrument :

BNA_F

ClientSampleId :

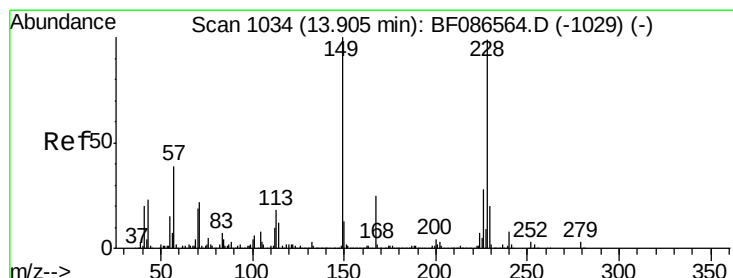
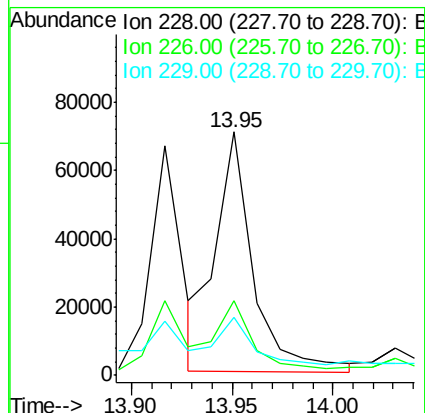
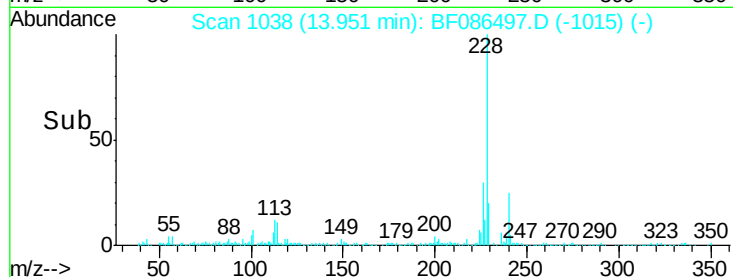
COMP2(2A-2B-2C-2D)



Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.6	24.4	36.6		
229	24.0	15.8	23.8		

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#83

Bis(2-ethylhexyl)phthalate

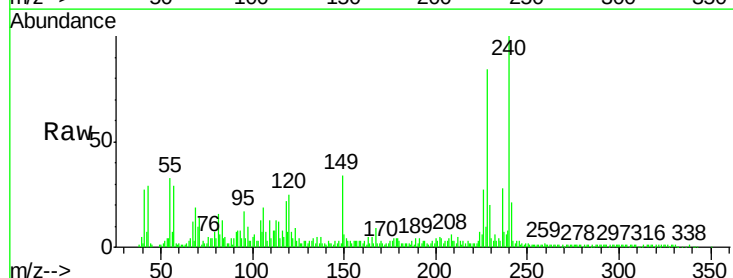
Concen: 2.21 ng/mL

RT: 13.92 min Scan# 1035

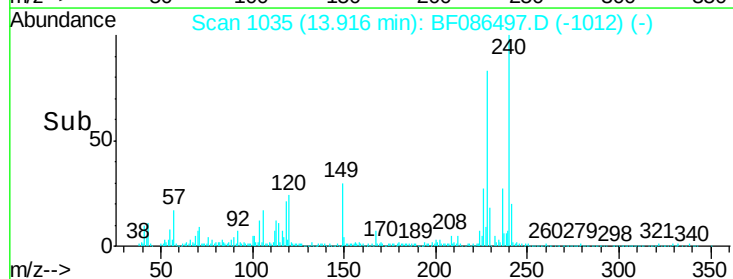
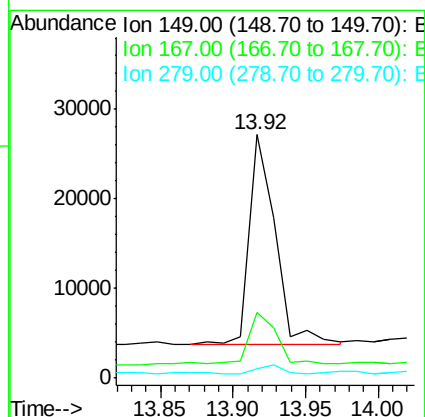
Delta R.T. -0.03 min

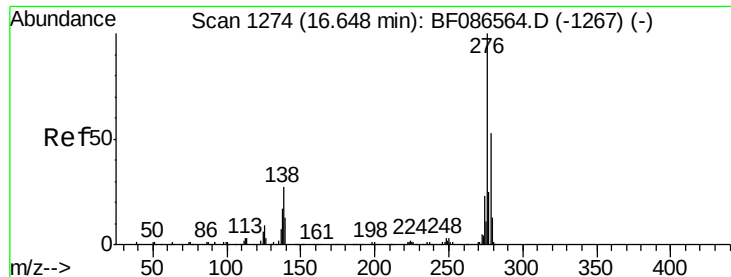
Lab File: BF086497.D

Acq: 29 Apr 2016 17:35



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100				
167	27.2	21.8	32.6		
279	4.1	2.6	4.0		





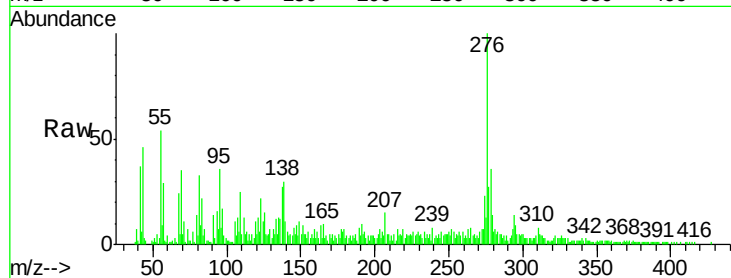
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.41 ng
 RT: 16.68 min Scan# 1277
 Delta R.T. -0.03 min
 Lab File: BF086497.D
 Acq: 29 Apr 2016 17:35

Instrument :
 BNA_F
 ClientSampleId :
 COMP2(2A-2B-2C-2D)

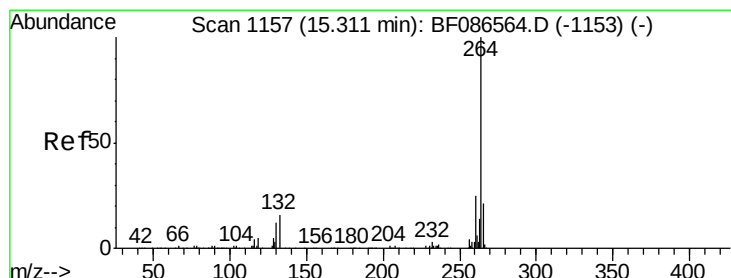
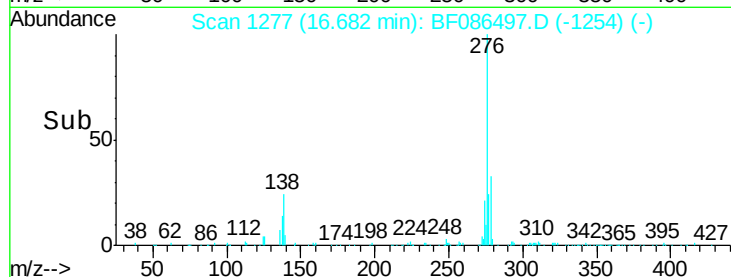
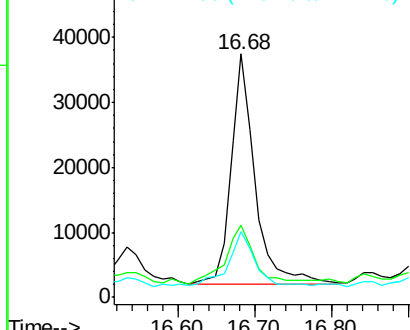
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.7	25.6	38.4
277	24.8	20.5	30.7

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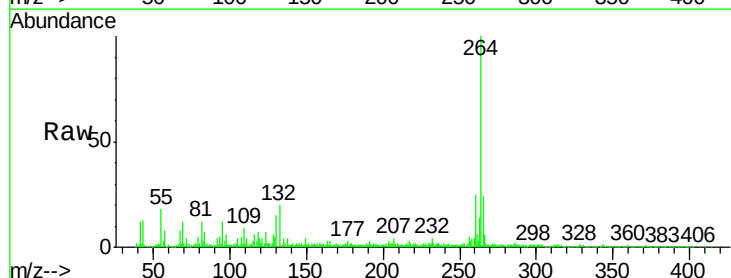


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

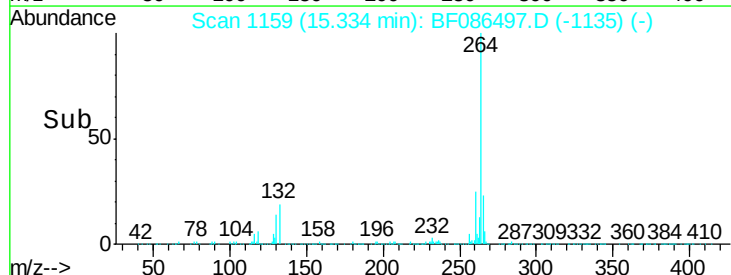
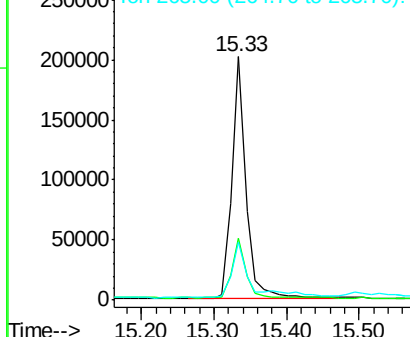


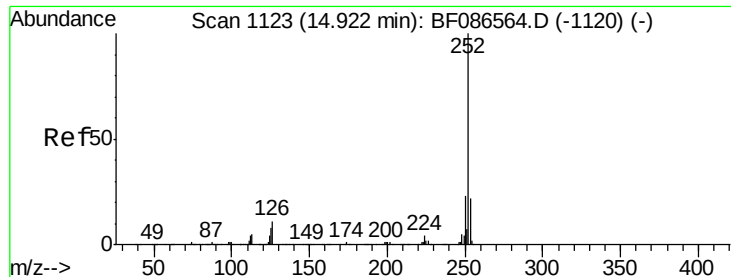
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 1159
 Delta R.T. -0.02 min
 Lab File: BF086497.D
 Acq: 29 Apr 2016 17:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.5	29.3
265	24.0	17.3	25.9



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: 6.27 ng m

RT: 14.93 min Scan# 1124

Delta R.T. -0.03 min

Lab File: BF086497.D

Acq: 29 Apr 2016 17:35

Instrument :

BNA_F

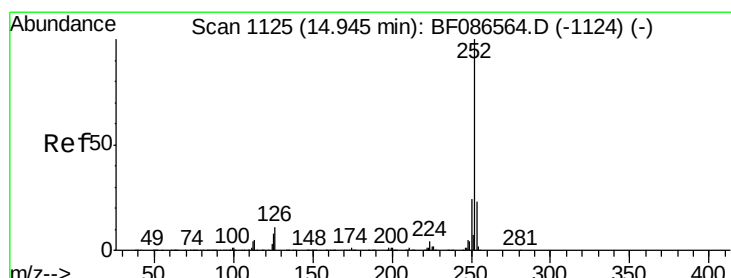
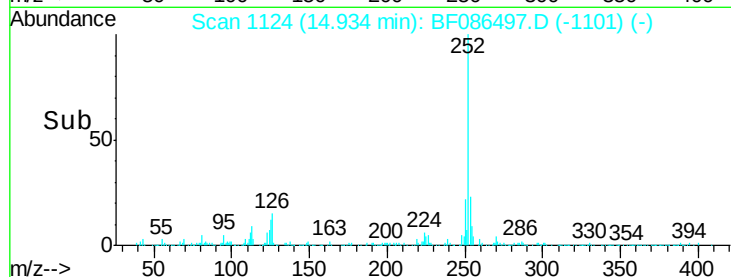
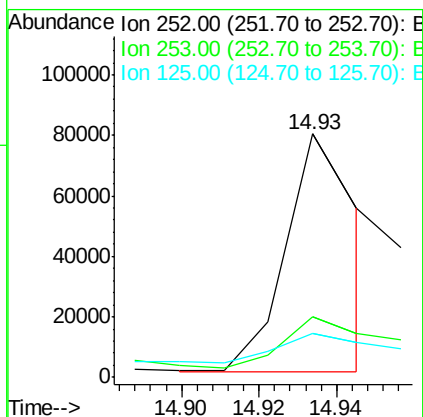
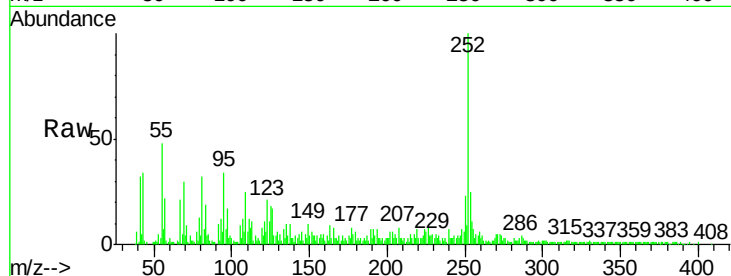
ClientSampleId :

COMP2(2A-2B-2C-2D)

Tot Ion:	252	Resp:	102614
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.8	26.6
125	18.1	11.4	17.0#

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#88

Benzo(k)fluoranthene

Concen: 3.36 ng m

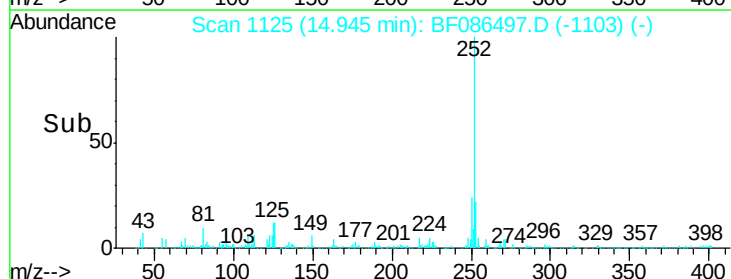
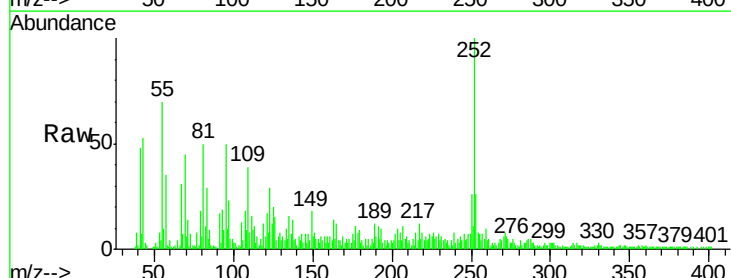
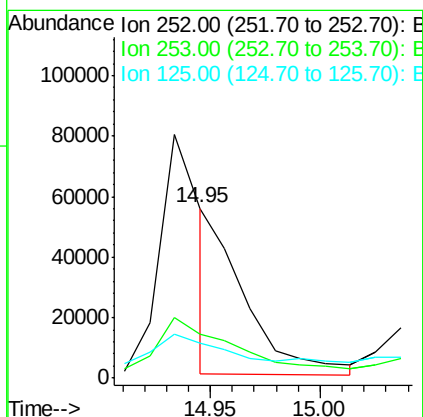
RT: 14.95 min Scan# 1125

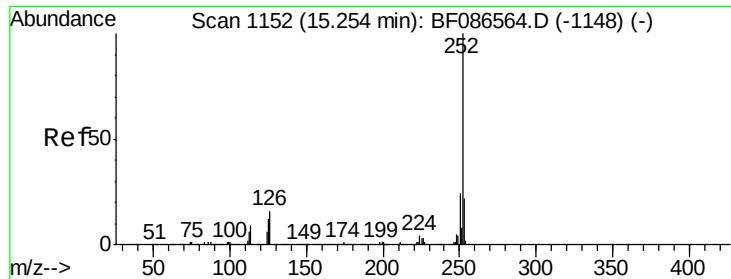
Delta R.T. -0.05 min

Lab File: BF086497.D

Acq: 29 Apr 2016 17:35

Tgt Ion:	252	Resp:	57264
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.8	26.6
125	20.3	9.1	13.7#





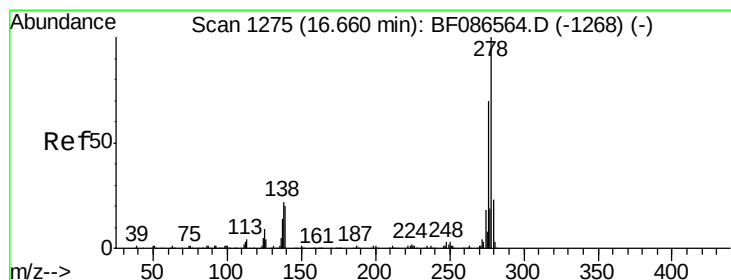
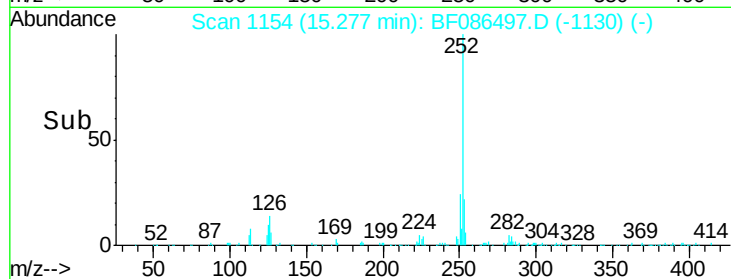
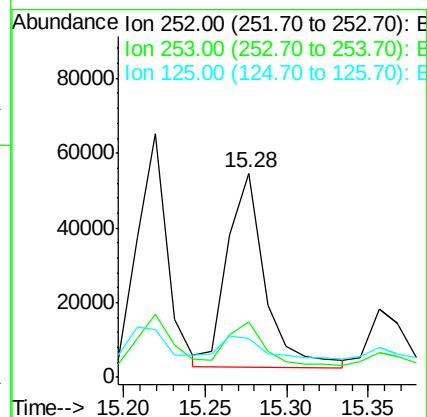
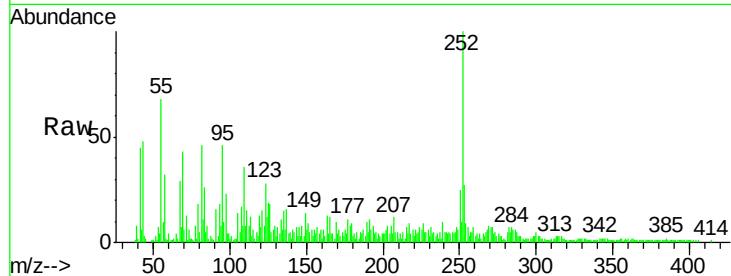
#89
Benzo(a)pyrene
Concen: 5.39 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF086497.D
Acq: 29 Apr 2016 17:35

Instrument :
BNA_F
ClientSampleId :
COMP2(2A-2B-2C-2D)

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.2	25.8#
125	19.3	9.0	13.6#

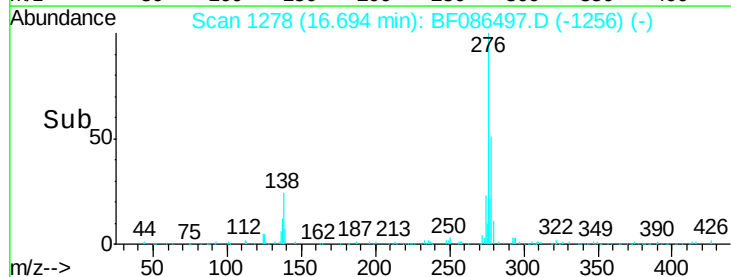
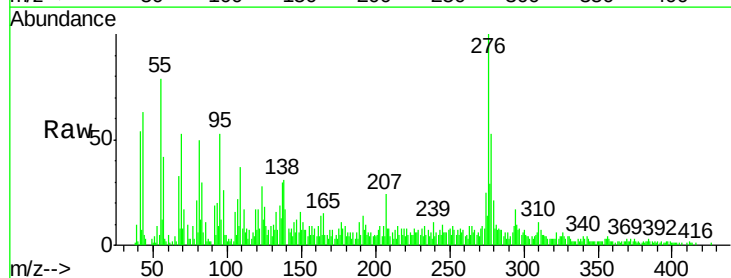
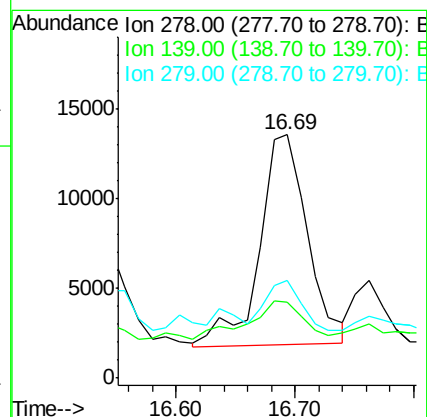
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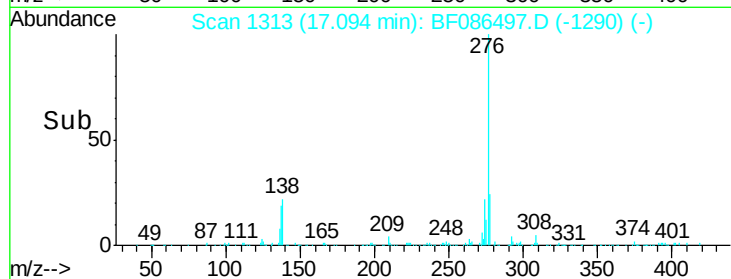
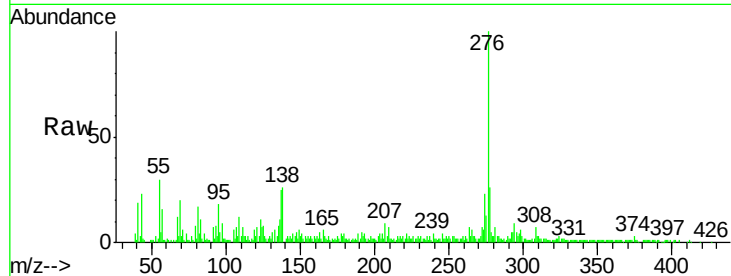
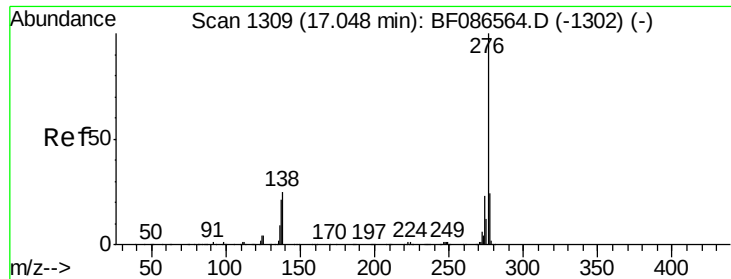
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#90
Dibenzo(a,h)anthracene
Concen: 2.62 ng
RT: 16.69 min Scan# 1278
Delta R.T. -0.05 min
Lab File: BF086497.D
Acq: 29 Apr 2016 17:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.4	16.6	24.8#
279	40.3	19.6	29.4#





#91

Benzo(a,h,i)perylene

Concen: 10.98 ng

RT: 17.09 min Scan# 1313

Delta R.T. -0.03 min

Lab File: BF086497.D

Acq: 29 Apr 2016 17:35

Instrument :

BNA_F

ClientSampleId :

COMP2(2A-2B-2C-2D)

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.6	29.4
138	25.7	23.6	35.4

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