

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
 Data File : BF087377.D
 Acq On : 25 May 2016 17:52
 Operator : UM/SJ
 Sample : H3211-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TA-1294-(0-4)

Manual Integrations
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 5/26/2016 6:38:56 PM

Quant Time: May 25 23:17:29 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 22:35:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	106408	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	424919	20.00	ng	-0.01
38) Acenaphthene-d10	12.38	164	181206	20.00	ng	-0.01
63) Phenanthrene-d10	14.78	188	293517	20.00	ng	0.00
75) Chrysene-d12	18.47	240	227918	20.00	ng	-0.01
86) Perylene-d12	20.14	264	184469	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	924812	152.72	ng	0.01
7) Phenol-d6	7.06	99	1284250	156.95	ng	-0.01
23) Nitrobenzene-d5	8.43	82	889273	105.47	ng	-0.01
41) 2,4,6-Tribromophenol	13.67	330	219656	126.14	ng	-0.01
44) 2-Fluorobiphenyl	11.34	172	1394754	108.51	ng	0.00
78) Terphenyl-d14	17.13	244	940282	87.71	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	10.71	142	26877	2.02	ng	Qvalue # 93
48) Acenaphthylene	12.15	152	52295	2.83	ng	98
49) Dimethylphthalate	12.02	163	453217	31.22	ng	99
70) Phenanthrene	14.81	178	84189	5.18	ng	99
71) Anthracene	14.90	178	44417	2.70	ng	99
74) Fluoranthene	16.57	202	192152	11.79	ng	93
77) Pyrene	16.87	202	201587	12.29	ng	96
80) Benzo(a)anthracene	18.46	228	142286m	10.98	ng	
82) Chrysene	18.50	228	121094	9.41	ng	98
85) Indeno(1,2,3-cd)pyrene	21.37	276	63009	6.11	ng	# 89
87) Benzo(b)fluoranthene	19.74	252	195482m	16.64	ng	
88) Benzo(k)fluoranthene	19.76	252	62917m	6.22	ng	
89) Benzo(a)pyrene	20.08	252	103863	10.22	ng	95
91) Benzo(a,h,i)perylene	21.71	276	56991	6.66	ng	97

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

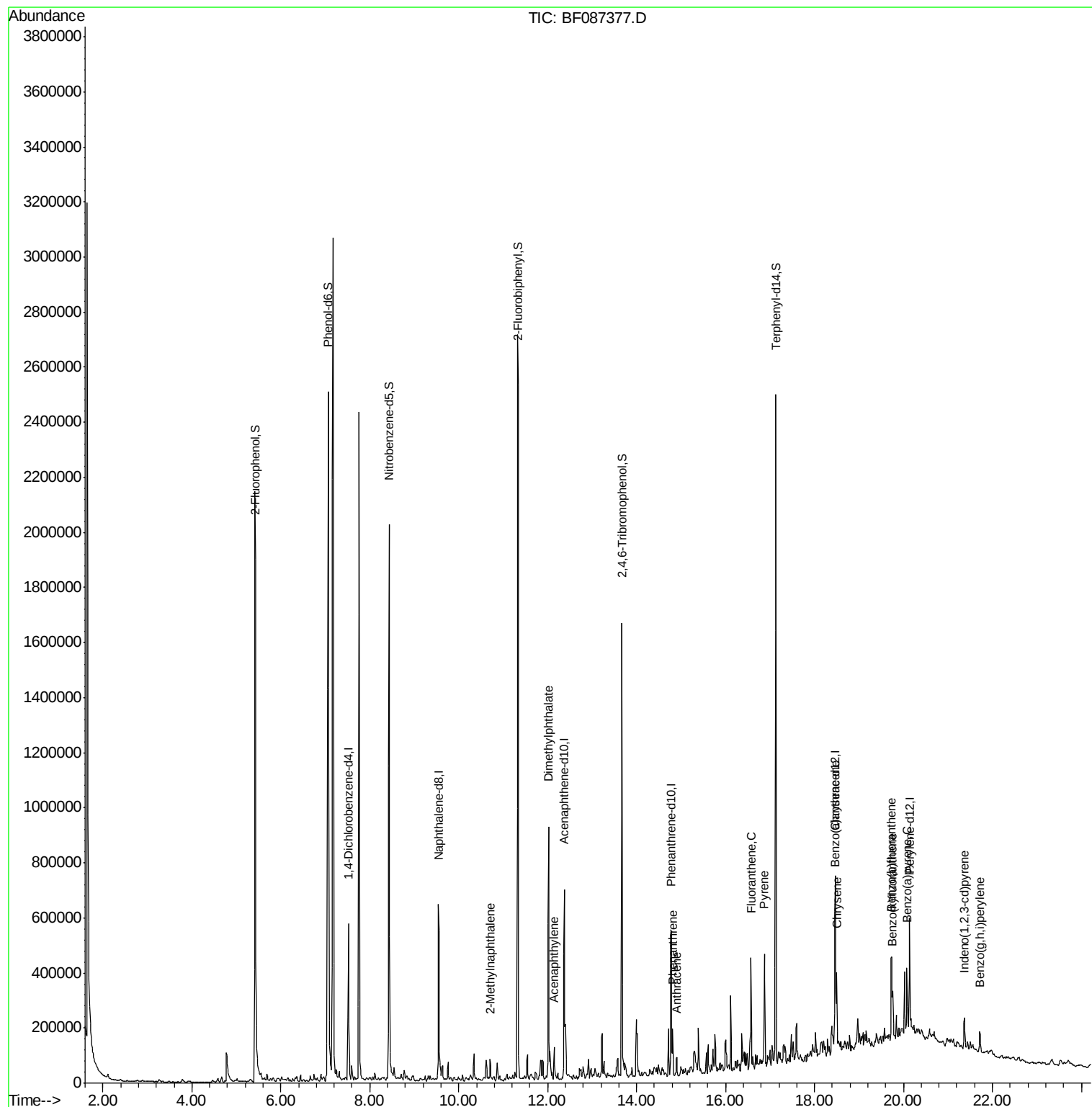
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087377.D
Acq On : 25 May 2016 17:52
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Sample : H3211-01
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ALS Vial : 12 Sample Multiplier: 1

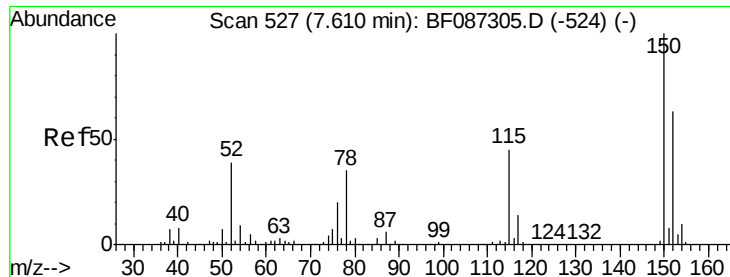
Instrument :
BNA_F
ClientSampleId :
TA-1294-(0-4)

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

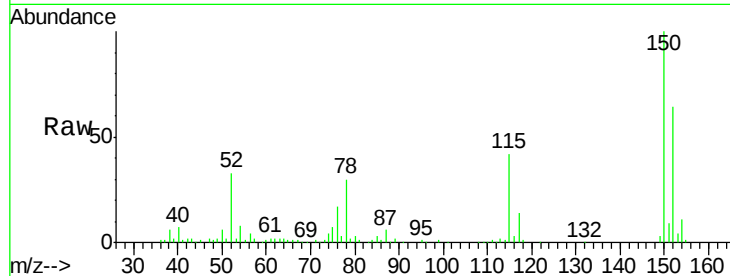
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Instrument :
BNA_F
ClientSampleId :
TA-1294-(0-4)

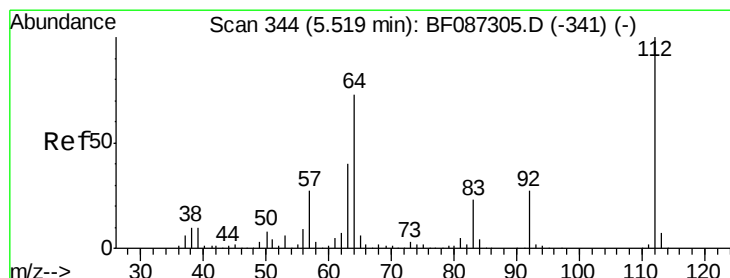
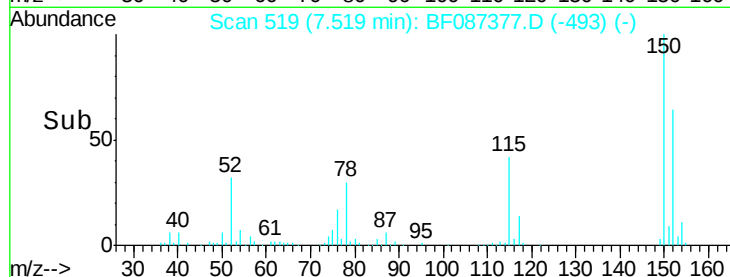
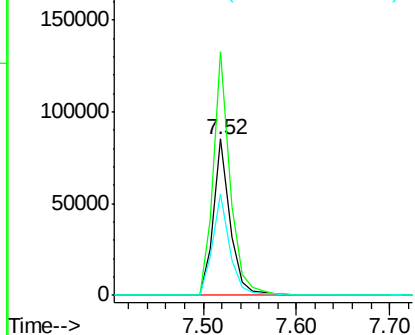
Tot Ion	Ratio	Resp	Lower	Upper
152	100	106408		
150	156.0	125.8	188.6	
115	64.9	51.5	77.3	

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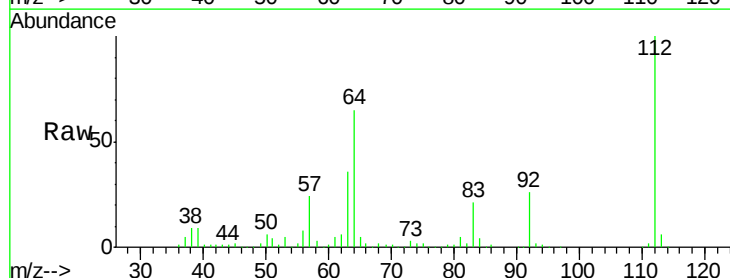
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



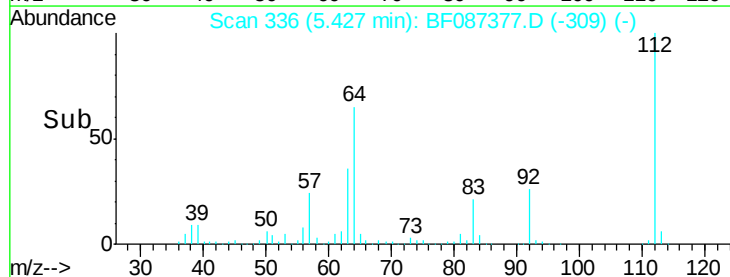
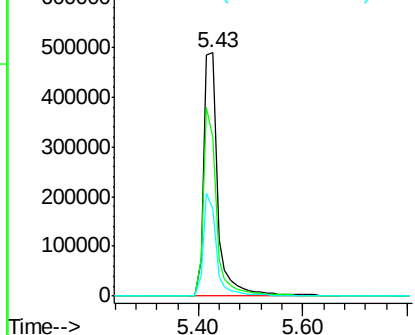
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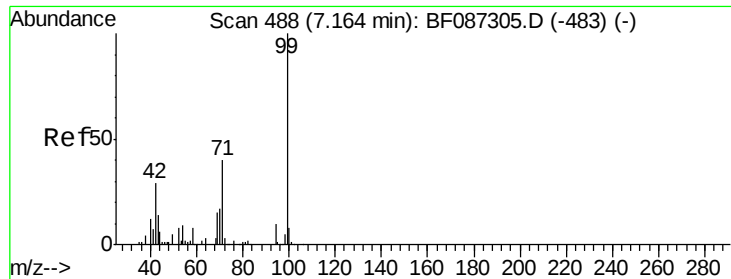
2-Fluorophenol
Concen: 152.72 ng
RT: 5.43 min Scan# 336
Delta R.T. 0.01 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	924812		
64	65.2	52.1	78.1	
63	36.1	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: 156.95 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Instrument :

BNA_F

ClientSampleId :

TA-1294-(0-4)

Tot Ion: 99 Resp: 1284250

Ion Ratio Lower Upper

99 100

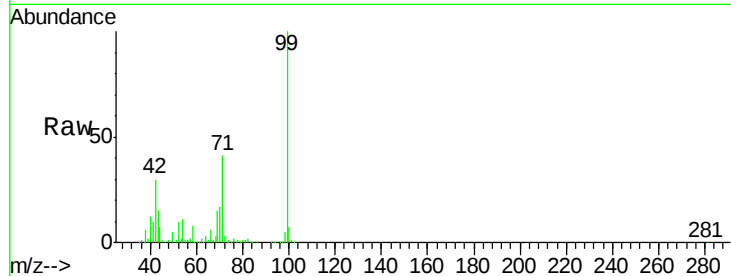
42 30.0 13.6 20.4#

71 40.6 24.6 36.8#

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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

1000000

800000

600000

400000

200000

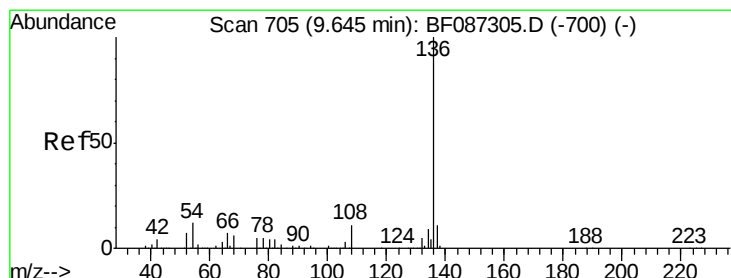
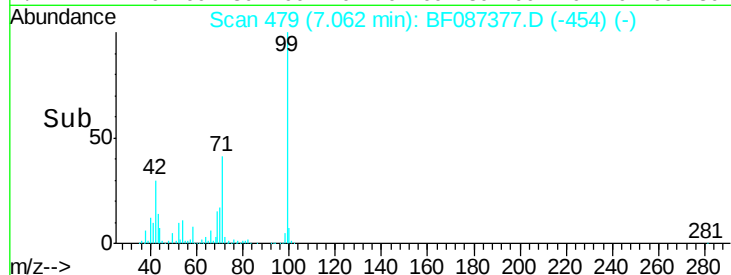
0

7.06

7.20

7.40

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Tgt Ion: 136 Resp: 424919

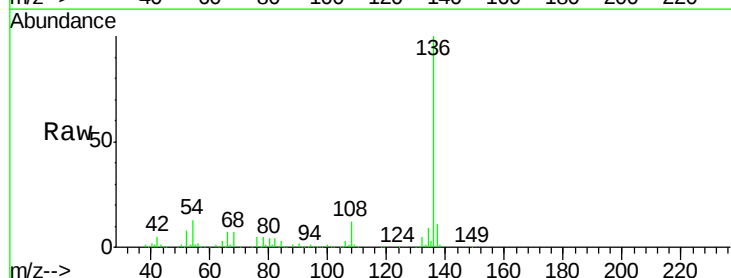
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 12.7 5.0 7.4#

68 6.6 4.4 6.6#



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

400000

300000

200000

100000

0

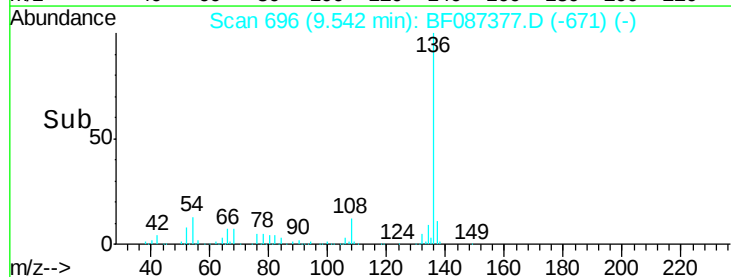
9.54

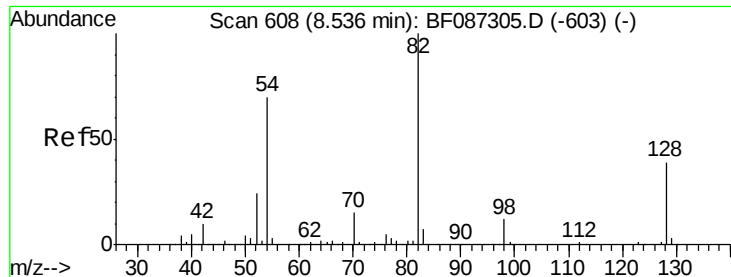
9.60

9.70

9.80

Time-->





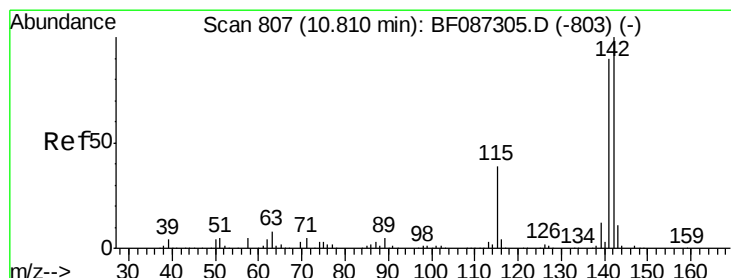
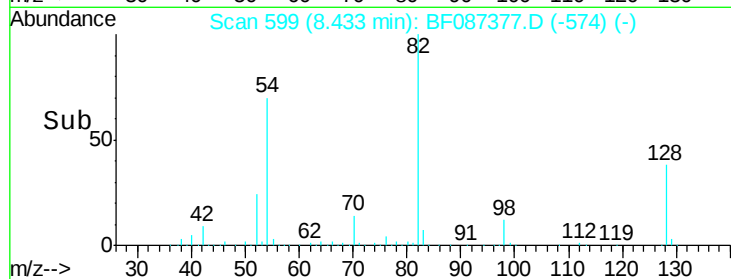
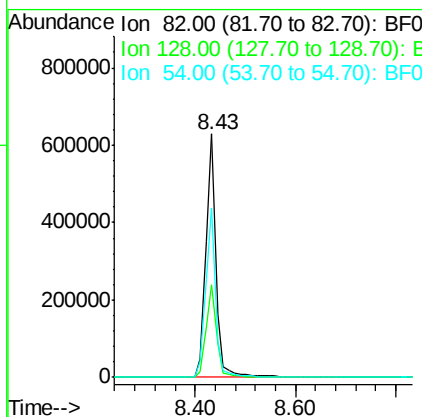
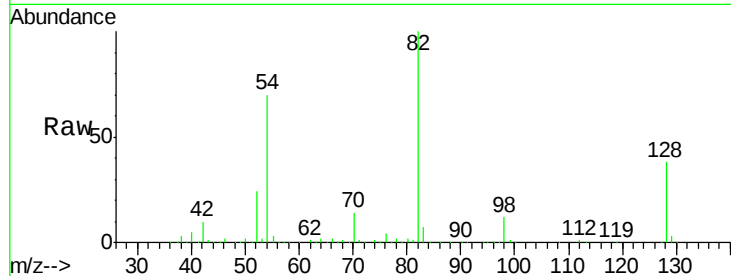
#23
 Nitrobenzene-d5
 Concen: 105.47 ng
 RT: 8.43 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: BF087377.D
 Acq: 25 May 2016 17:52

Instrument :
 BNA_F
 ClientSampleId :
 TA-1294-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.1	40.6	61.0#	
54	69.8	38.1	57.1#	

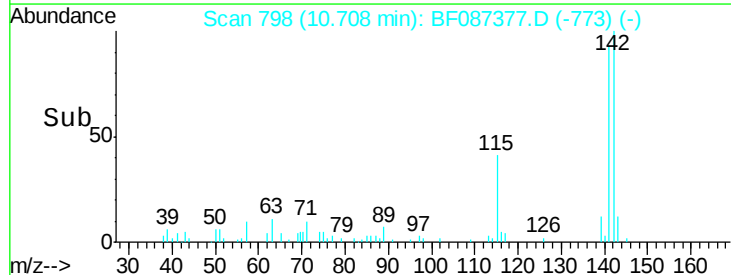
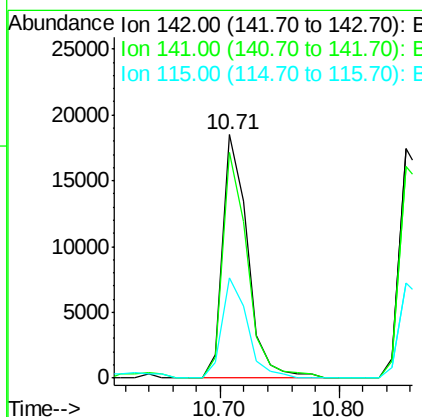
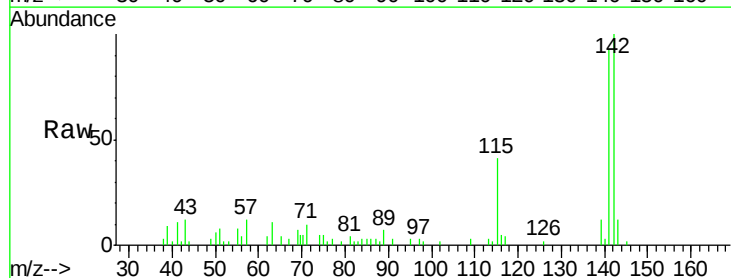
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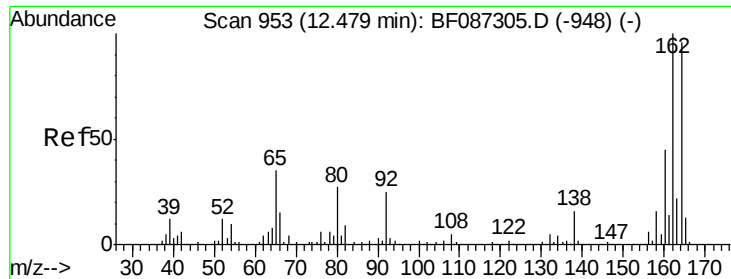
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#37
 2-Methylnaphthalene
 Concen: 2.02 ng
 RT: 10.71 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF087377.D
 Acq: 25 May 2016 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	92.8	71.0	106.6	
115	41.3	26.6	39.8#	





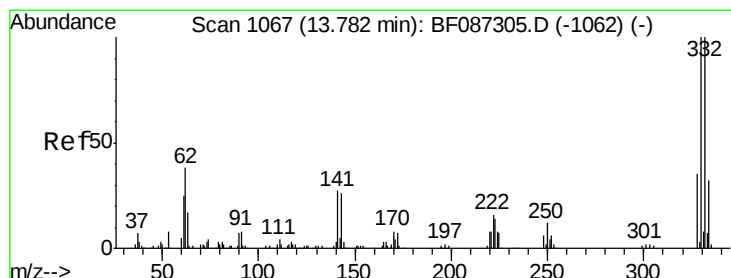
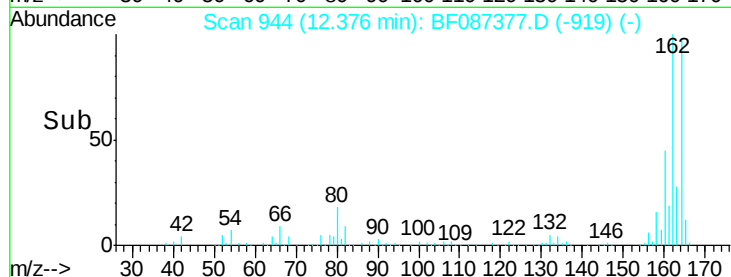
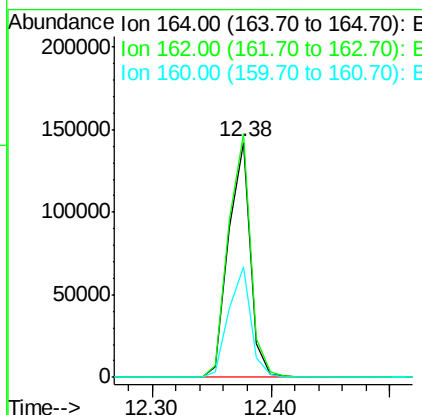
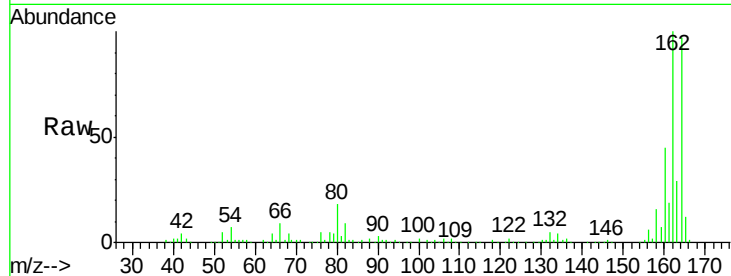
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.38 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: BF087377.D
 Acq: 25 May 2016 17:52

Instrument :
 BNA_F
 ClientSampleId :
 TA-1294-(0-4)

Tot Ion:	164	Resp:	181206
Ion Ratio	Lower	Upper	
164	100		
162	103.5	82.8	124.2
160	47.0	36.9	55.3

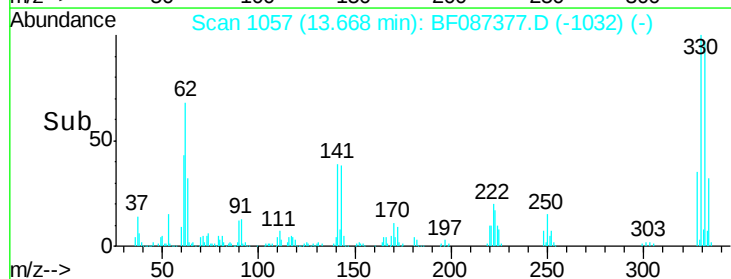
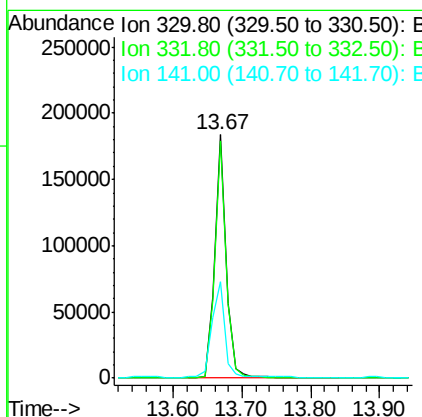
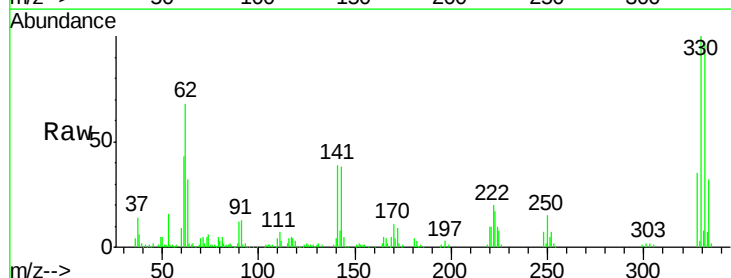
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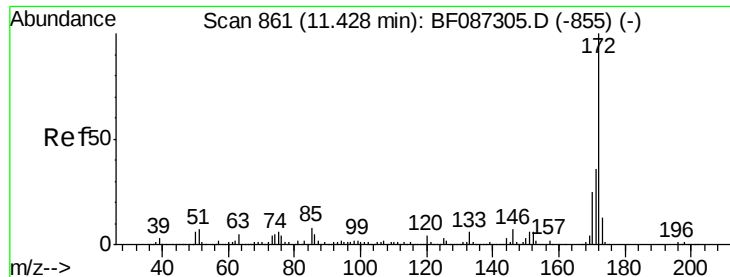
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#41
 2,4,6-Tribromophenol
 Concen: 126.14 ng
 RT: 13.67 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BF087377.D
 Acq: 25 May 2016 17:52

Tgt Ion:	330	Resp:	219656
Ion Ratio	Lower	Upper	
330	100		
332	96.6	79.0	118.4
141	45.7	31.2	46.8





#44

2-Fluorobiphenyl

Concen: 108.51 ng

RT: 11.34 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Instrument :

BNA_F

ClientSampleId :

TA-1294-(0-4)

Tot Ion:172 Resp: 1394754

Ion Ratio Lower Upper

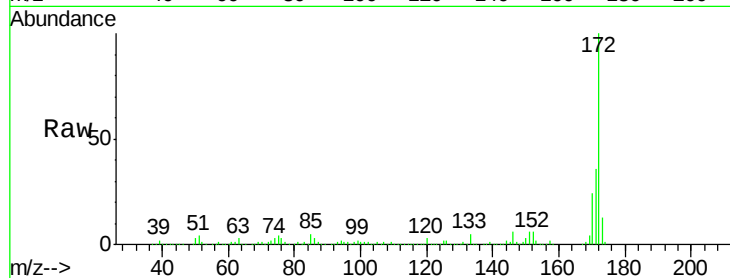
172 100

171 35.7 29.0 43.6

170 24.0 19.8 29.8

Manual Integrations
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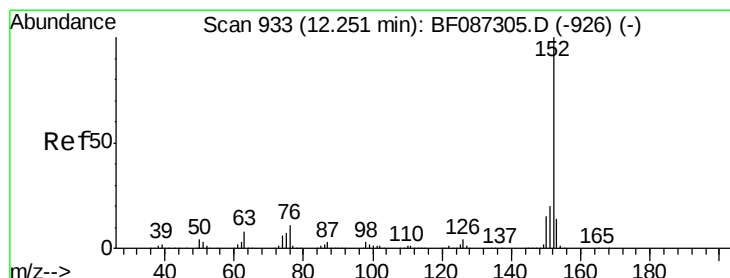
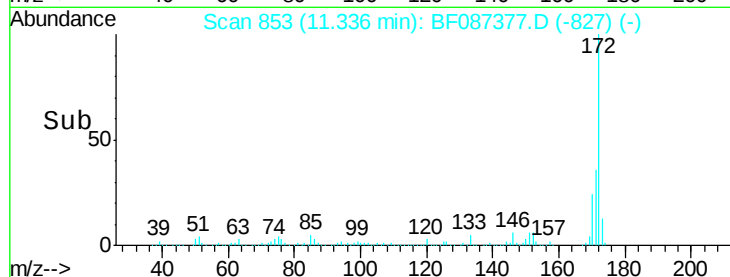
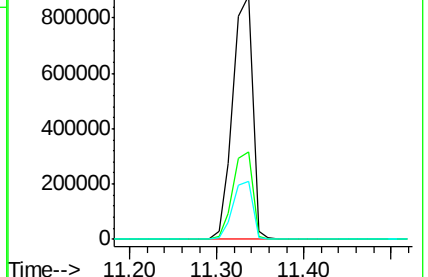
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#48

Acenaphthylene

Concen: 2.83 ng

RT: 12.15 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

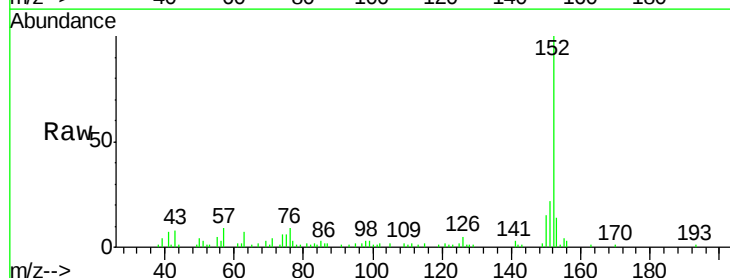
Tgt Ion:152 Resp: 52295

Ion Ratio Lower Upper

152 100

151 21.6 16.8 25.2

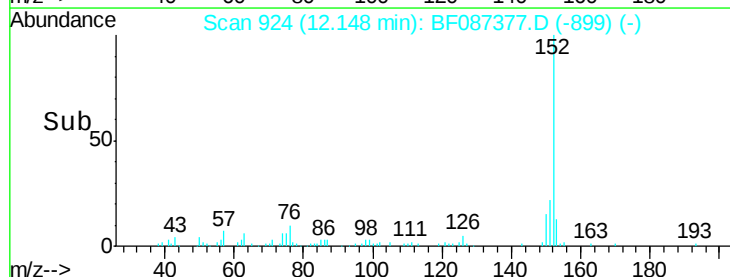
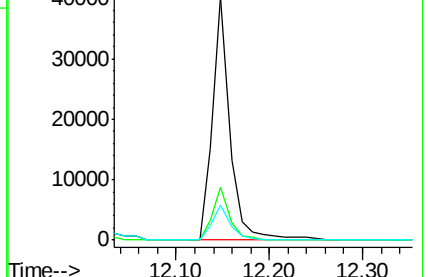
153 14.5 10.9 16.3

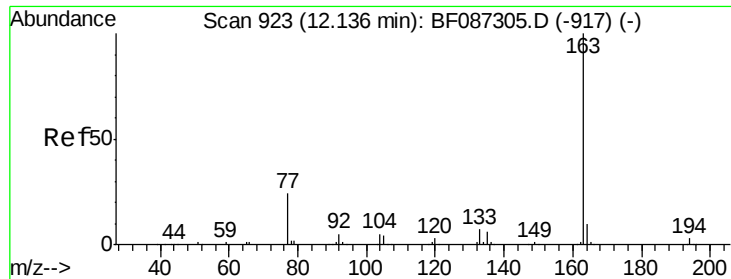


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





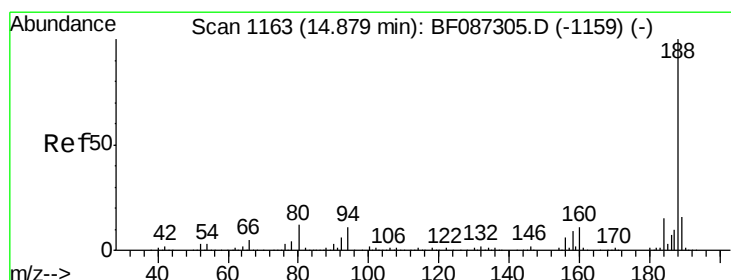
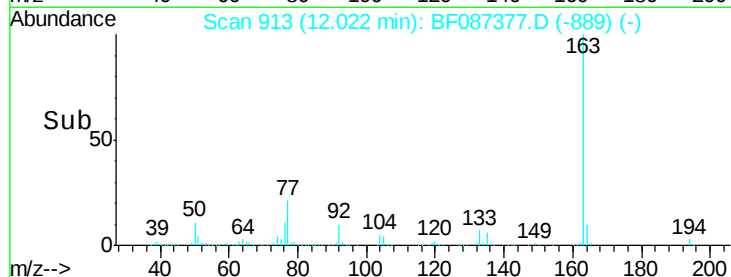
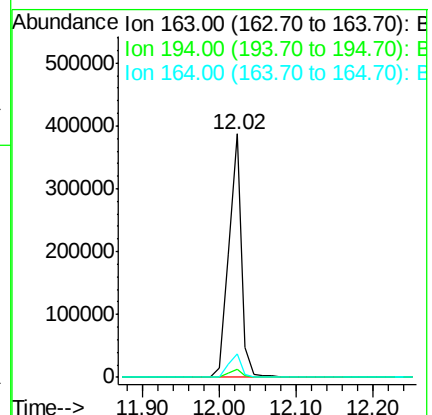
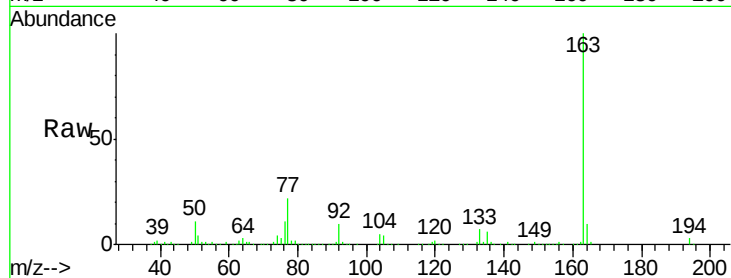
#49
Dimethylphthalate
Concen: 31.22 ng
RT: 12.02 min Scan# 913
Delta R.T. -0.02 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Instrument :
BNA_F
ClientSampleId :
TA-1294-(0-4)

Tot Ion:	163	Resp:	453217
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.6	4.0
164	9.9	8.2	12.4

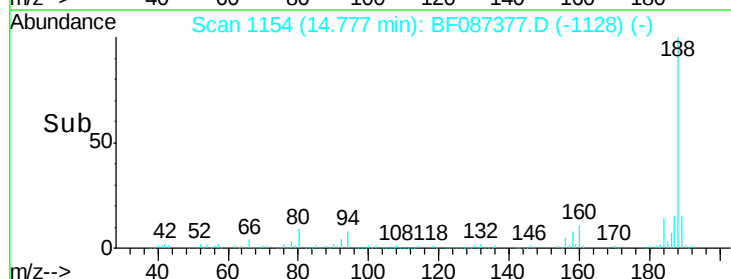
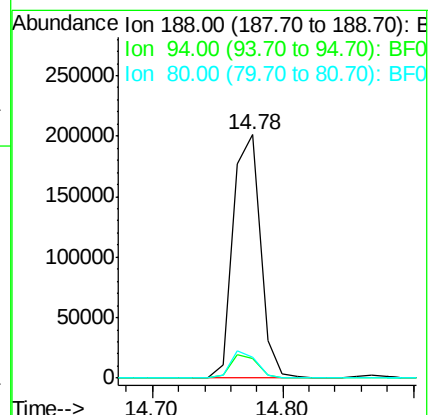
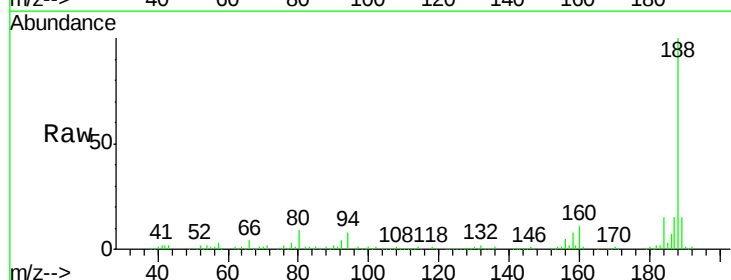
Manual Integrations
APPROVED

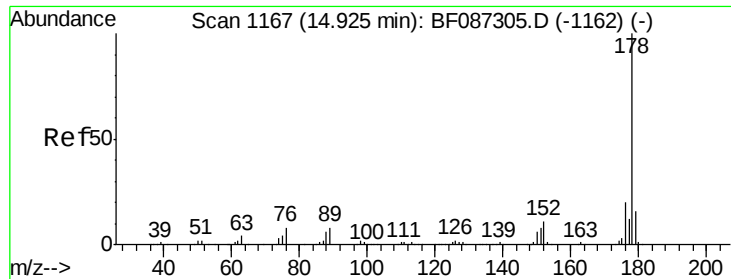
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.78 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Tgt Ion:	188	Resp:	293517
Ion Ratio	Lower	Upper	
188	100		
94	7.8	6.8	10.2
80	8.5	7.1	10.7





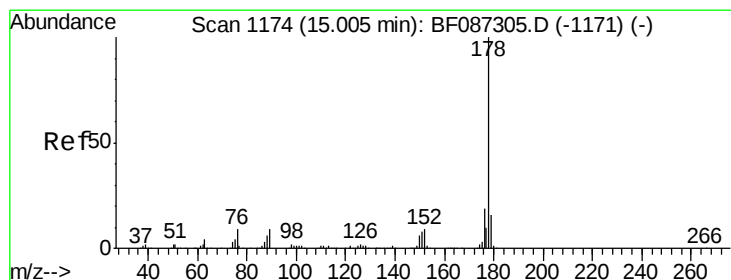
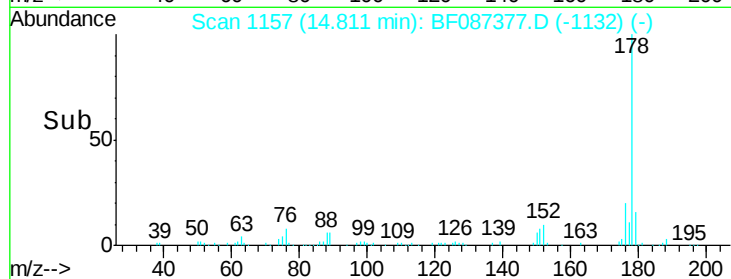
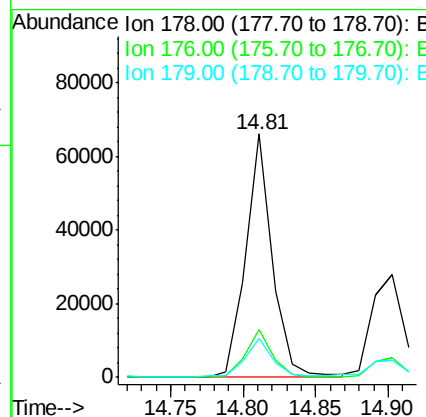
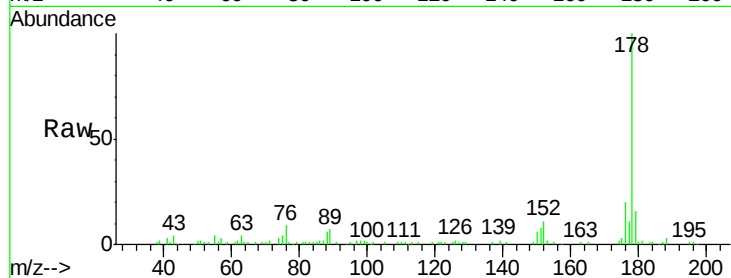
#70
Phenanthrene
Concen: 5.18 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Instrument :
BNA_F
ClientSampleId :
TA-1294-(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.0	24.0
179	16.1	12.6	18.8

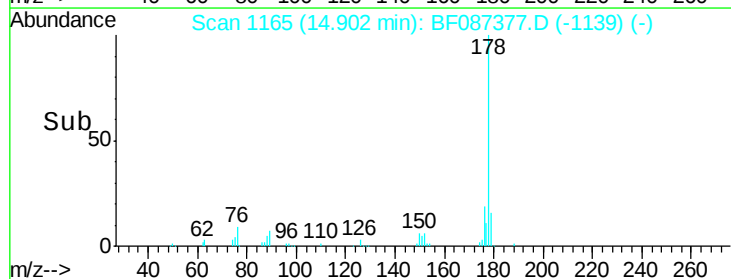
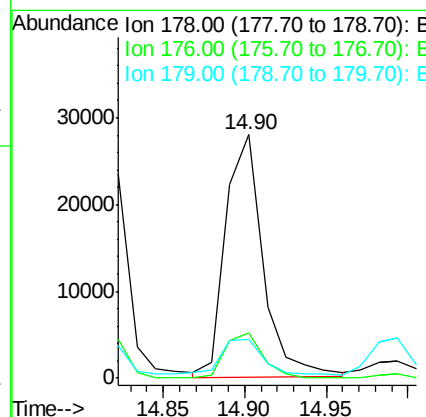
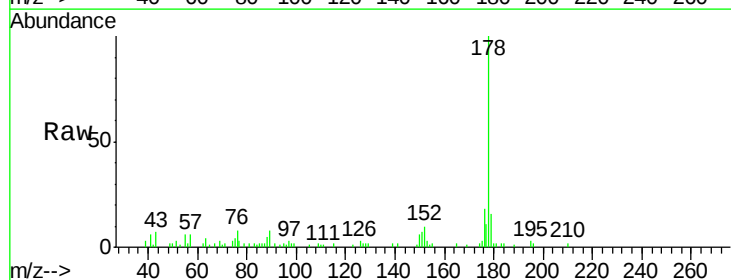
Manual Integrations
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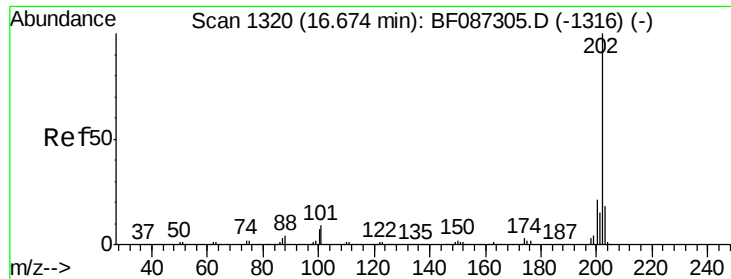
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#71
Anthracene
Concen: 2.70 ng
RT: 14.90 min Scan# 1165
Delta R.T. 0.00 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	15.9	12.7	19.1





#74

Fluoranthene

Concen: 11.79 ng

RT: 16.57 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Instrument :

BNA_F

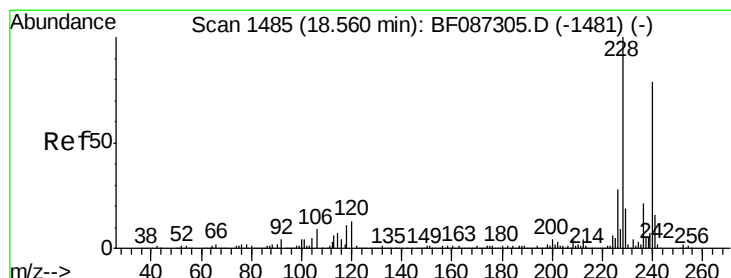
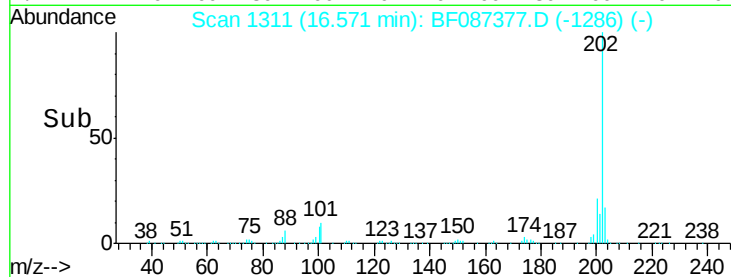
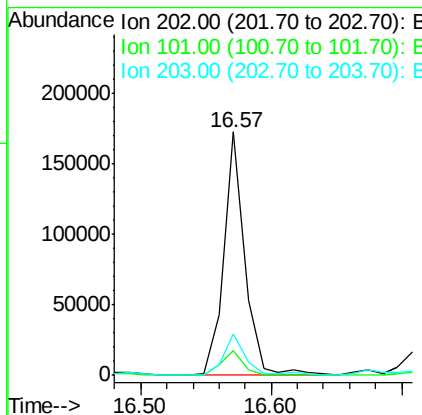
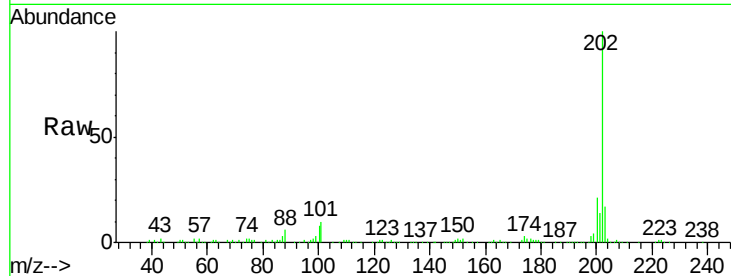
ClientSampleId :

TA-1294-(0-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.3	0.0	35.4
203	17.0	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

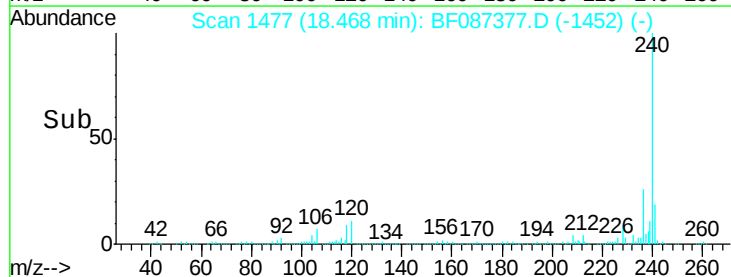
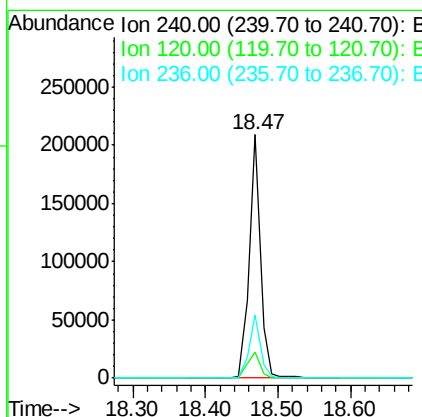
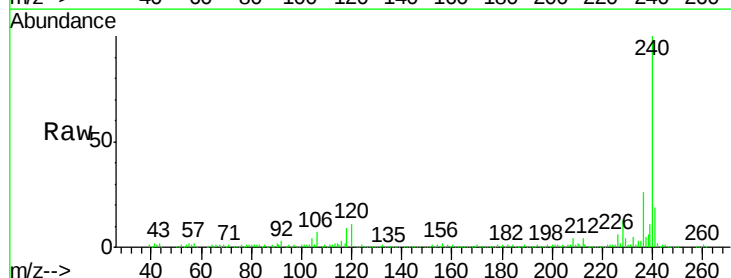
RT: 18.47 min Scan# 1477

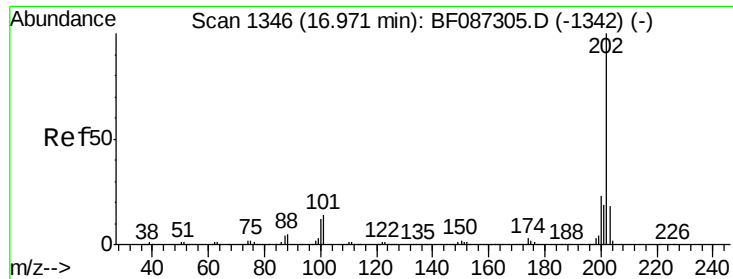
Delta R.T. -0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.5	11.2	16.8#
236	25.8	21.2	31.8





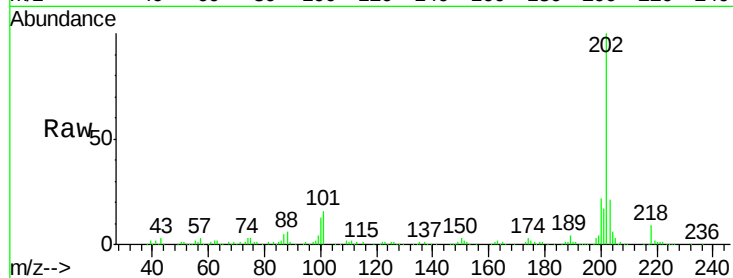
#77
Pvrene
Concen: 12.29 ng
RT: 16.87 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Instrument :
BNA_F
ClientSampleId :
TA-1294-(0-4)

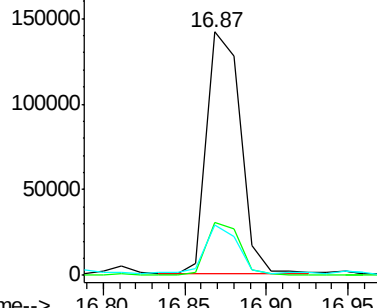
Tot Ion:	202	Resp:	201587
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.7	26.5
203	20.9	14.2	21.4

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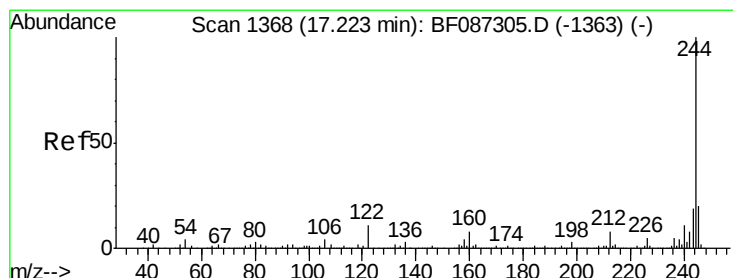
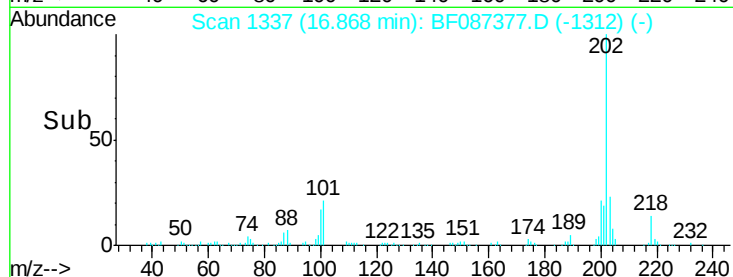
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



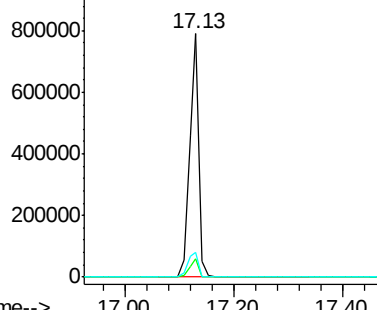
Time-->



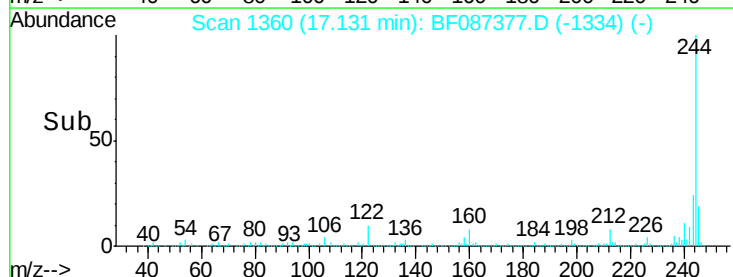
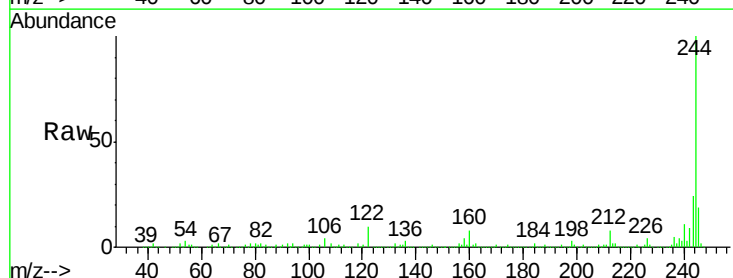
#78
Terphenyl-d14
Concen: 87.71 ng
RT: 17.13 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

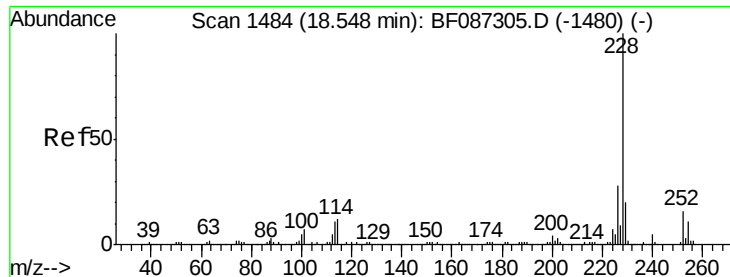
Tgt Ion:	244	Resp:	940282
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.2	9.2
122	10.3	12.0	18.0#

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



Time-->





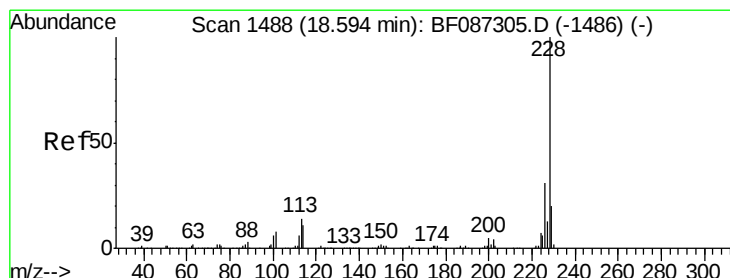
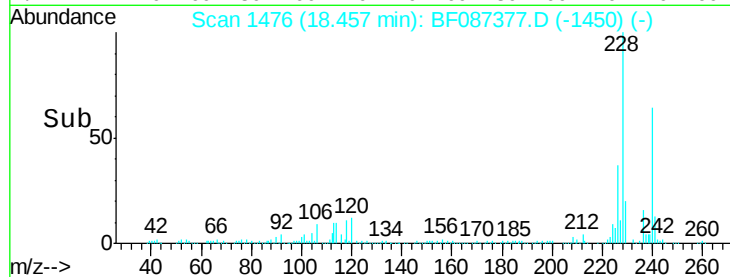
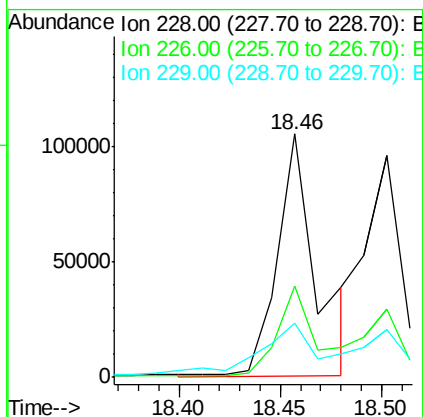
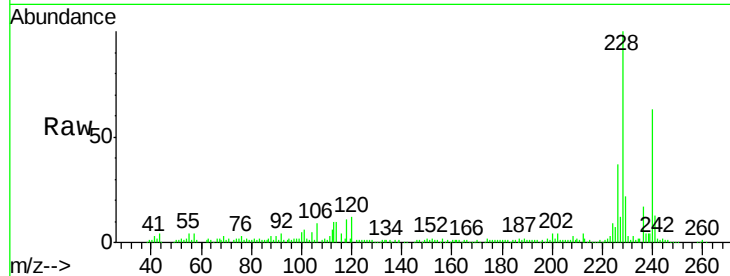
#80
Benzo(a)anthracene
Concen: 10.98 ng
RT: 18.46 min Scan# 1476
Delta R.T. 0.00 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Instrument :
BNA_F
ClientSampleId :
TA-1294-(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.4	22.5	33.7#
229	22.0	16.6	25.0

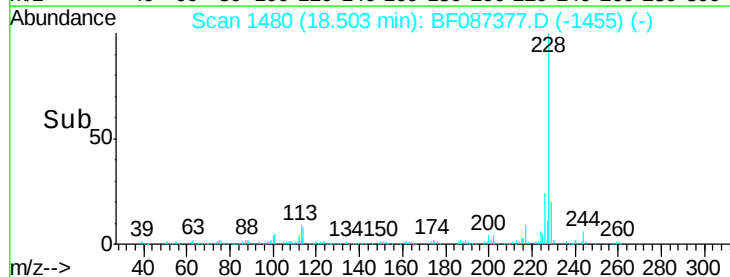
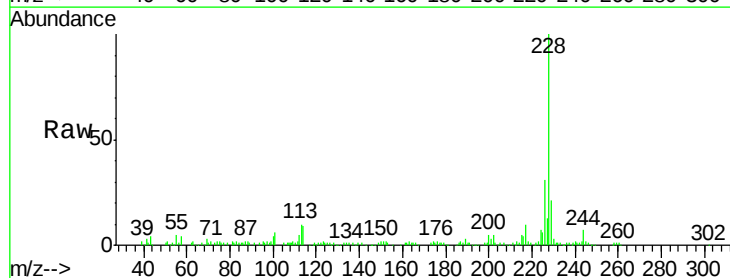
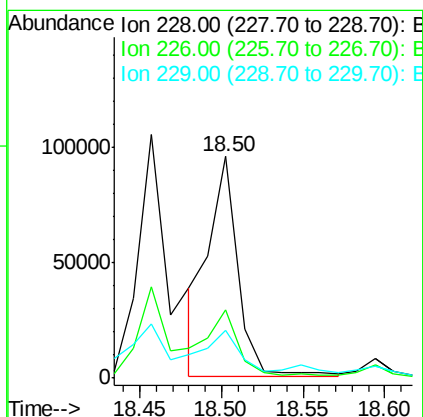
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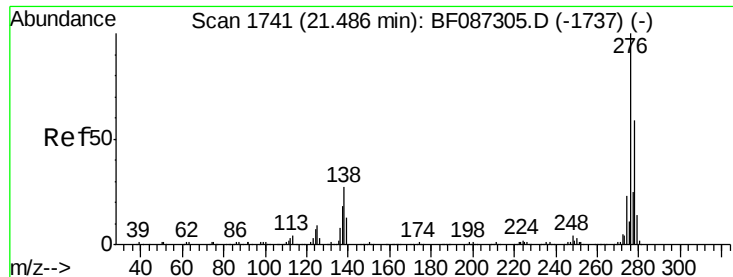
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#82
Chrysene
Concen: 9.41 ng
RT: 18.50 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.4	36.6
229	21.5	15.8	23.8





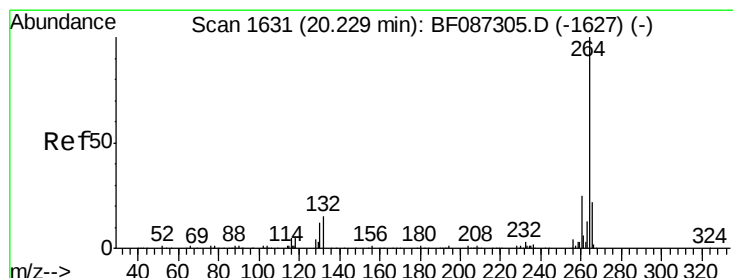
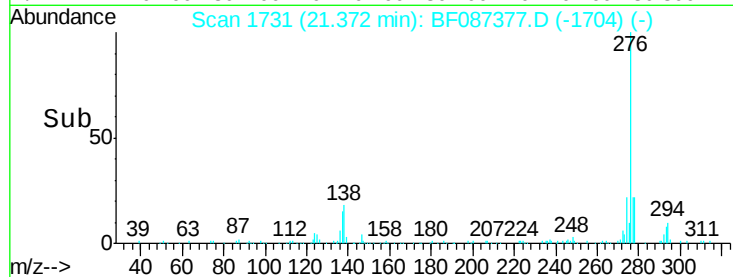
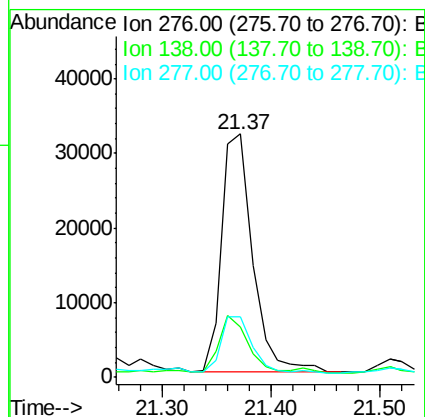
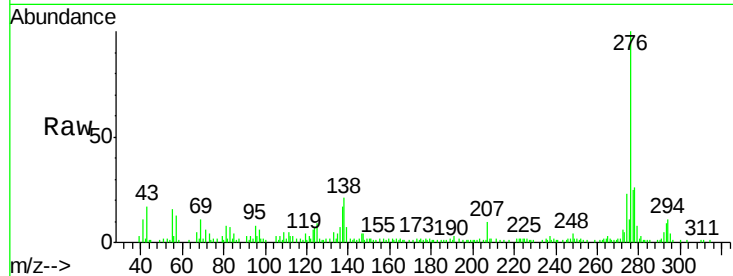
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.11 ng
RT: 21.37 min Scan# 1731
Delta R.T. 0.01 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Instrument :
BNA_F
ClientSampleId :
TA-1294-(0-4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	25.6	38.4#
277	24.4	20.5	30.7

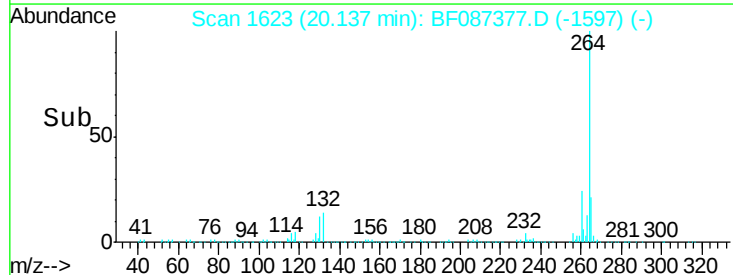
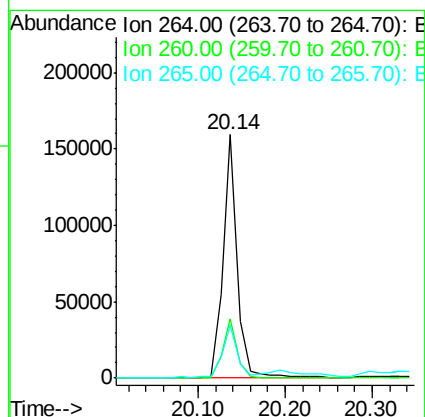
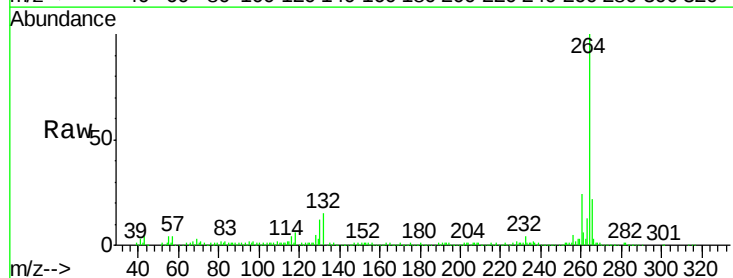
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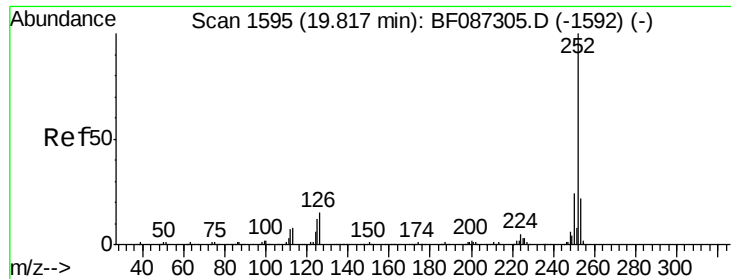
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.14 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.7	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 16.64 ng m

RT: 19.74 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Instrument :

BNA_F

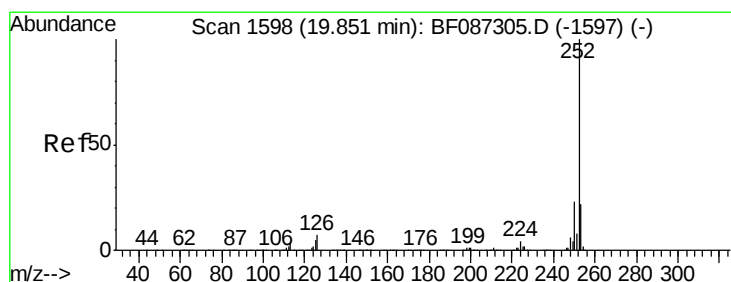
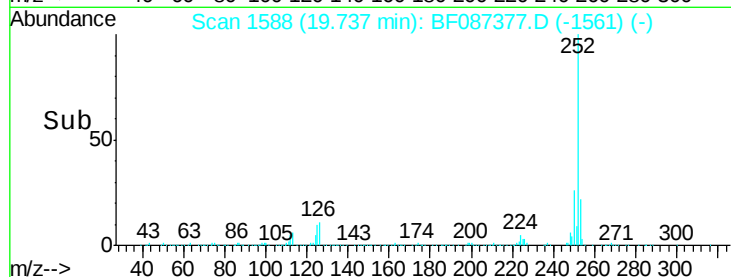
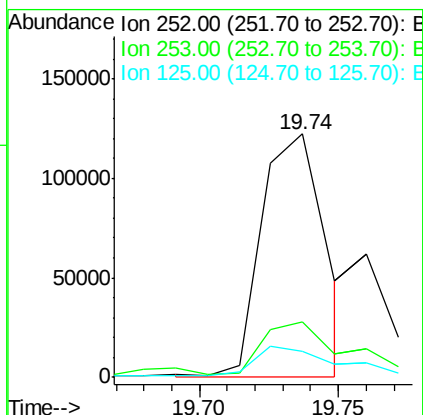
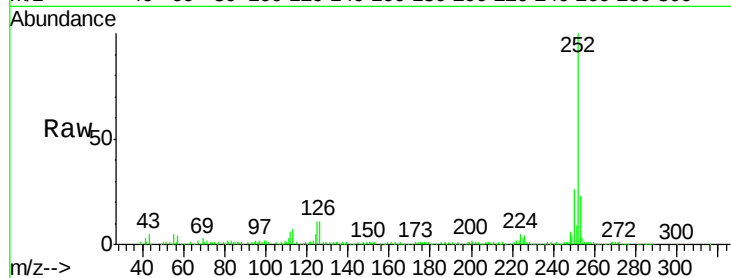
ClientSampleId :

TA-1294-(0-4)

Tot Ion:	252	Resp:	195482
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.6
125	10.8	11.4	17.0

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#88

Benzo(k)fluoranthene

Concen: 6.22 ng m

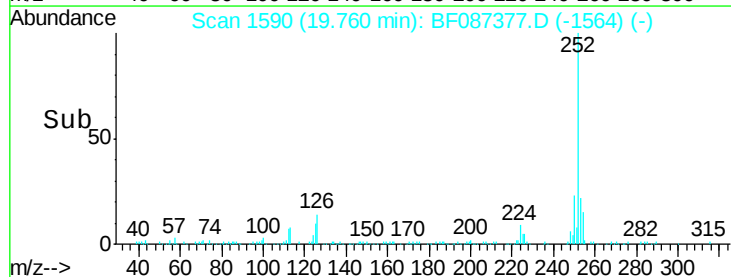
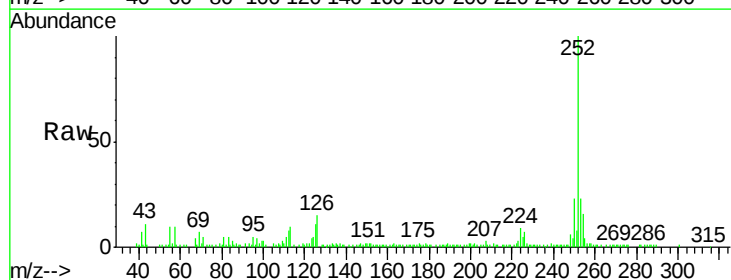
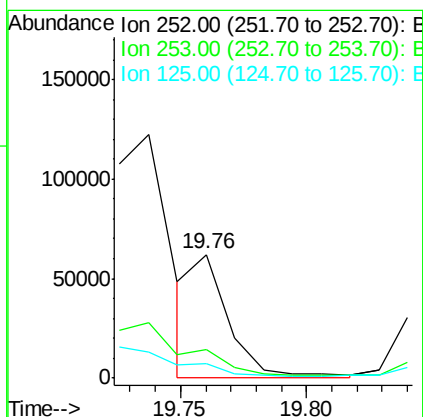
RT: 19.76 min Scan# 1590

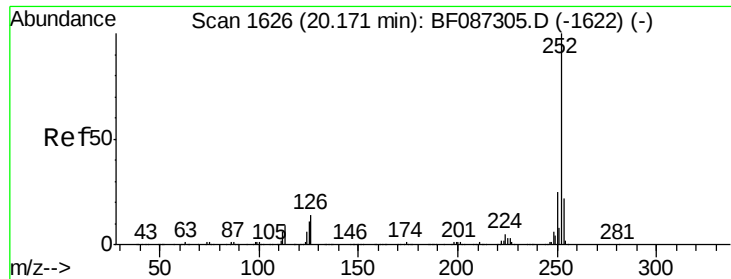
Delta R.T. 0.00 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Tgt Ion:	252	Resp:	62917
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.8	26.6
125	11.3	9.1	13.7





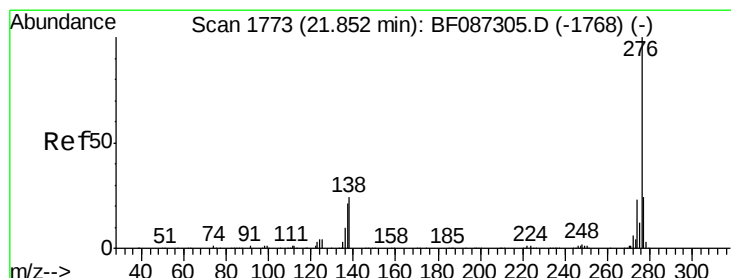
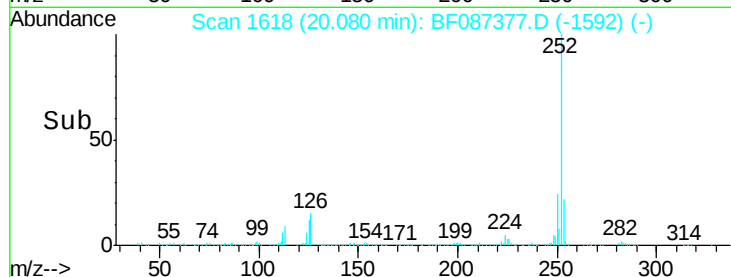
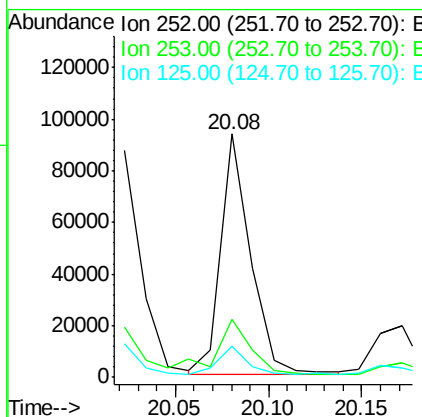
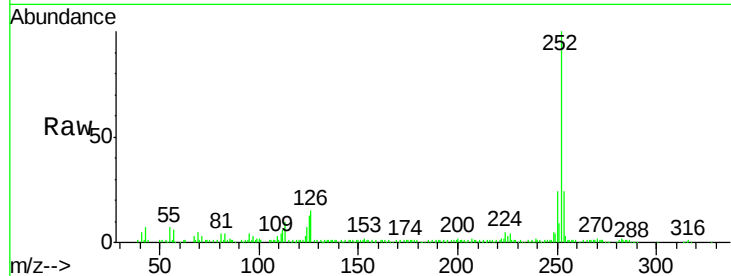
#89
Benzo(a)pyrene
Concen: 10.22 ng
RT: 20.08 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Instrument :
BNA_F
ClientSampleId :
TA-1294-(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	12.8	9.0	13.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.66 ng
RT: 21.71 min Scan# 1761
Delta R.T. 0.00 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.6	29.4
138	26.8	23.6	35.4

