

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
 Data File : BF087375.D
 Acq On : 25 May 2016 16:44
 Operator : UM/SJ
 Sample : H3218-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-2(8.5-9)

Manual Integrations
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Quant Time: May 25 23:03:20 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	112784	20.00	ng	0.00
21) Naphthalene-d8	9.55	136	444031	20.00	ng	0.00
38) Acenaphthene-d10	12.38	164	187882	20.00	ng	-0.01
63) Phenanthrene-d10	14.78	188	298721	20.00	ng	0.00
75) Chrysene-d12	18.47	240	242375	20.00	ng	-0.01
86) Perylene-d12	20.14	264	183148	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1035749	161.37	ng	0.01
7) Phenol-d6	7.06	99	1341934	154.73	ng	-0.01
23) Nitrobenzene-d5	8.43	82	846465	96.08	ng	-0.01
41) 2,4,6-Tribromophenol	13.67	330	218281	120.90	ng	-0.01
44) 2-Fluorobiphenyl	11.32	172	1116436	83.77	ng	-0.01
78) Terphenyl-d14	17.13	244	667936	58.59	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	12.02	163	194276	12.91	ng	99
70) Phenanthrene	14.81	178	124934	7.55	ng	98
74) Fluoranthene	16.57	202	121199	7.30	ng	95
77) Pyrene	16.88	202	115450	6.62	ng	97
80) Benzo(a)anthracene	18.46	228	71909	5.22	ng	# 91
82) Chrysene	18.50	228	65977	4.82	ng	# 91
87) Benzo(b)fluoranthene	19.74	252	59506m	5.10	ng	
89) Benzo(a)pyrene	20.09	252	36972	3.66	ng	# 74
91) Benzo(g,h,i)perylene	21.75	276	19326	2.28	ng	# 88

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

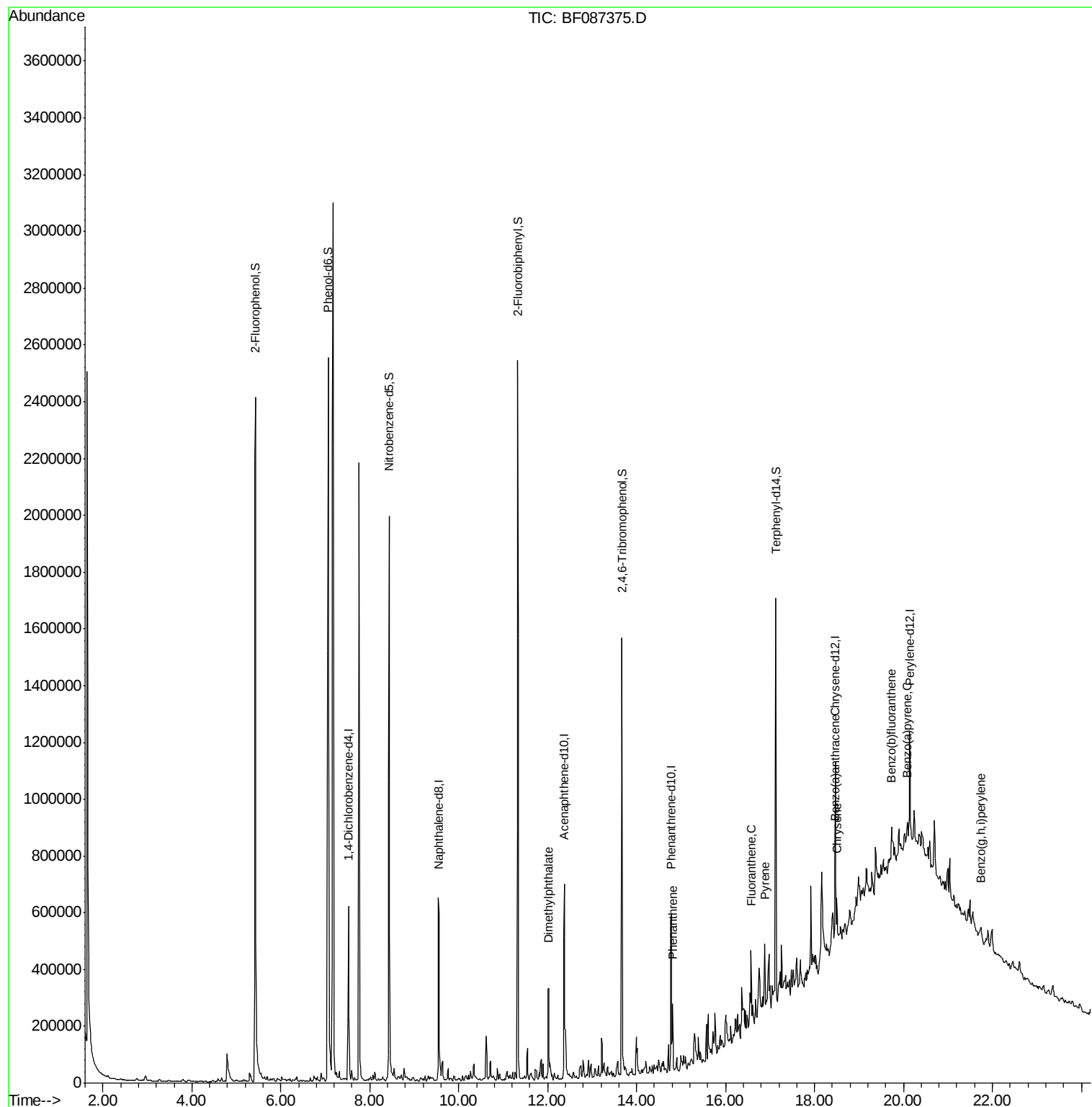
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087375.D
Acq On : 25 May 2016 16:44
Operator : UM/SJ
Sample : H3218-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

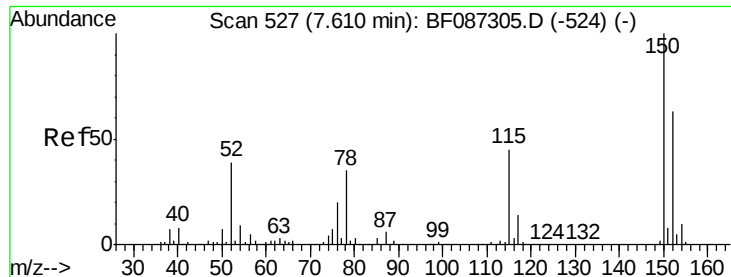
Instrument :
BNA_F
ClientSampleId :
E-2(8.5-9)

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Quant Time: May 25 23:03:20 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





#1

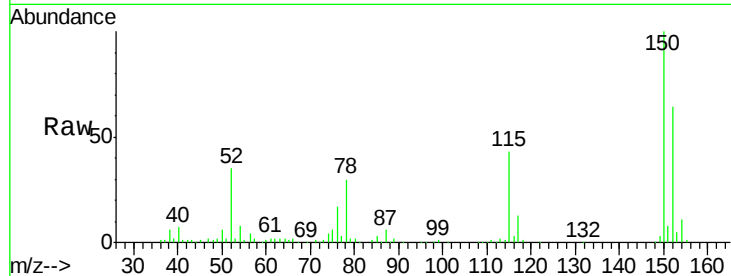
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 519
Delta R.T. -0.00 min
Lab File: BF087375.D
Acq: 25 May 2016 16:44

Instrument :
BNA_F
ClientSampleId :
E-2(8.5-9)

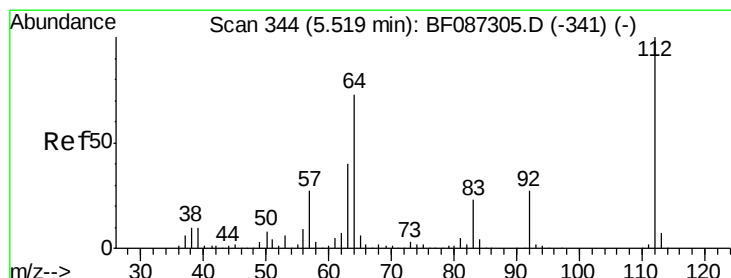
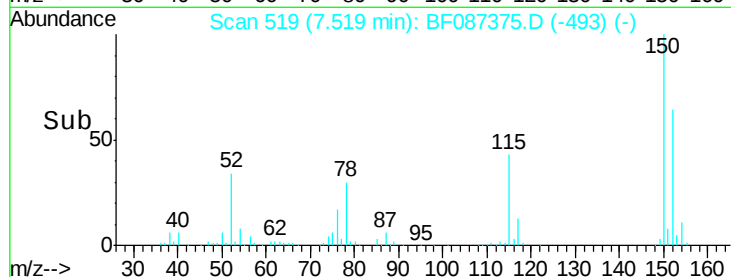
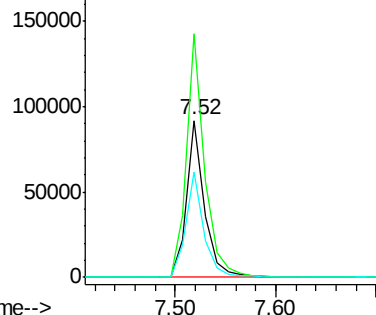
Tot Ion	Ratio	Resp	Lower	Upper
152	100	112784		
150	155.5	125.8	188.6	
115	67.0	51.5	77.3	

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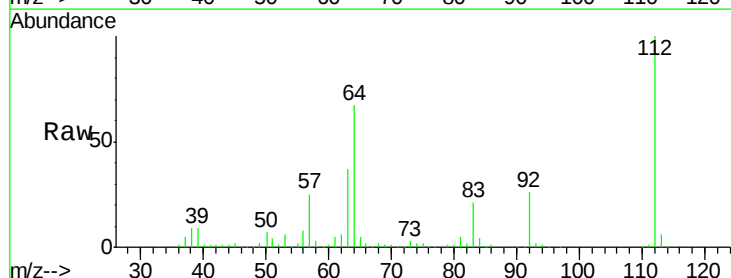
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



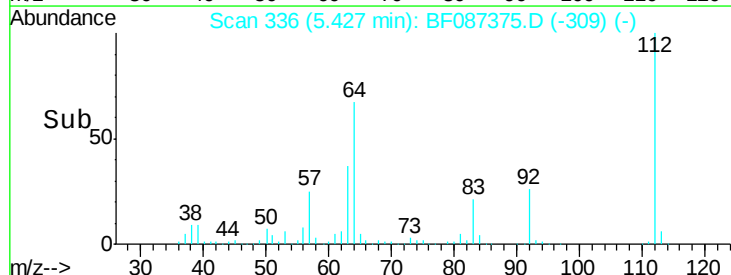
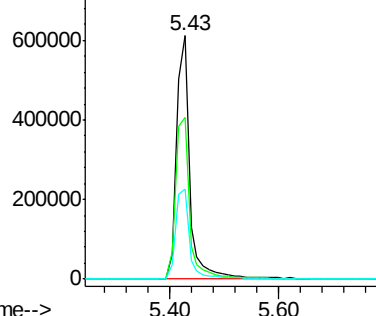
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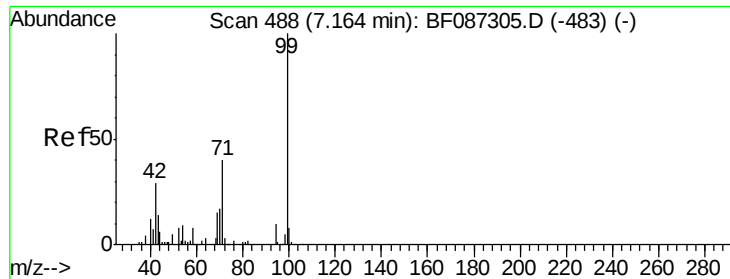
2-Fluorophenol
Concen: 161.37 ng
RT: 5.43 min Scan# 336
Delta R.T. 0.01 min
Lab File: BF087375.D
Acq: 25 May 2016 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1035749		
64	66.6	52.1	78.1	
63	36.7	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: 154.73 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.01 min

Lab File: BF087375.D

Acq: 25 May 2016 16:44

Instrument :

BNA_F

ClientSampleId :

E-2(8.5-9)

Tot Ion: 99 Resp: 1341934

Ion Ratio Lower Upper

99 100

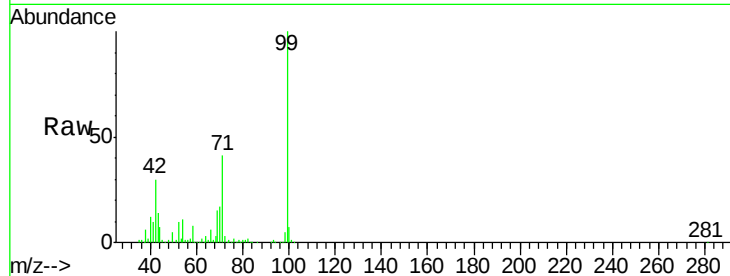
42 30.4 13.6 20.4#

71 40.8 24.6 36.8#

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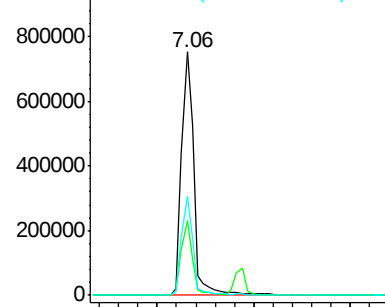
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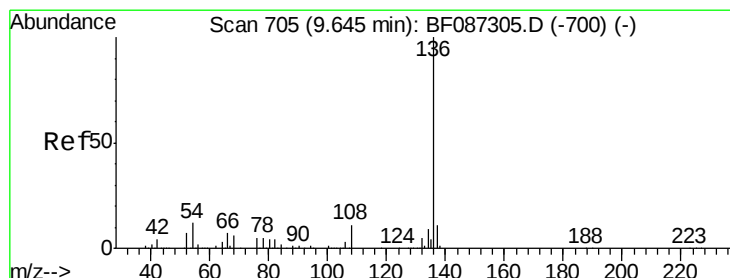
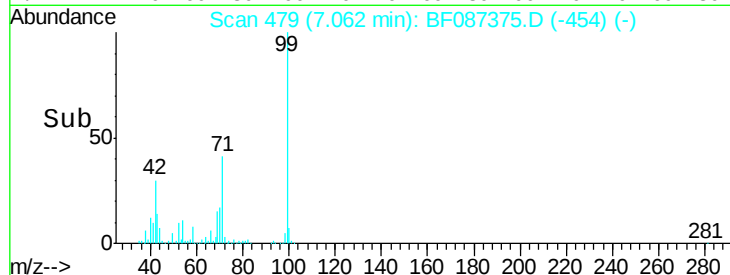
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.00 min

Lab File: BF087375.D

Acq: 25 May 2016 16:44

Tgt Ion: 136 Resp: 444031

Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 9.4 5.0 7.4#

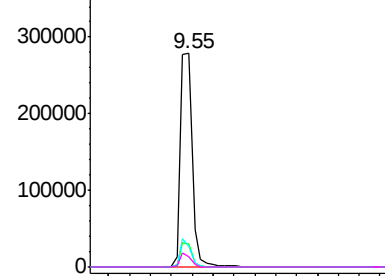
68 4.9 4.4 6.6

Abundance Ion 136.00 (135.70 to 136.70): E

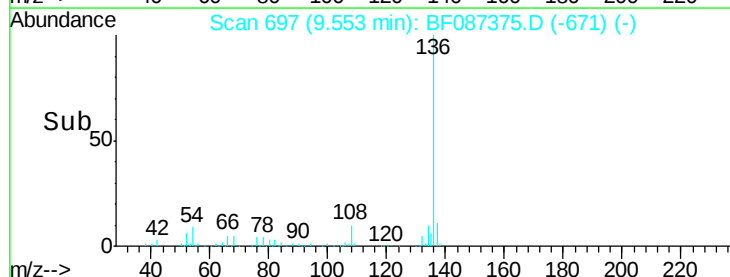
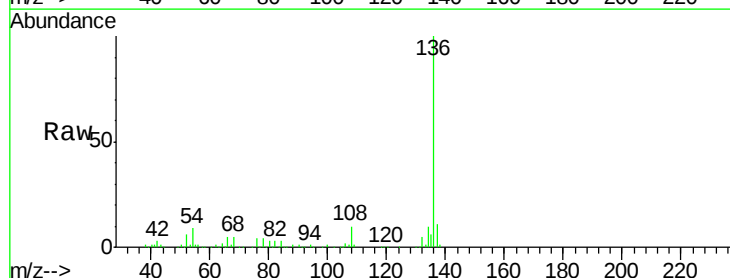
Ion 137.00 (136.70 to 137.70): E

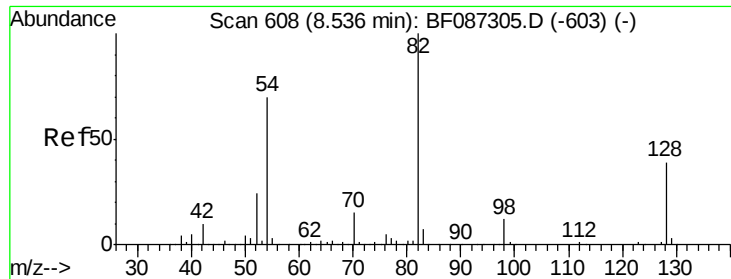
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->





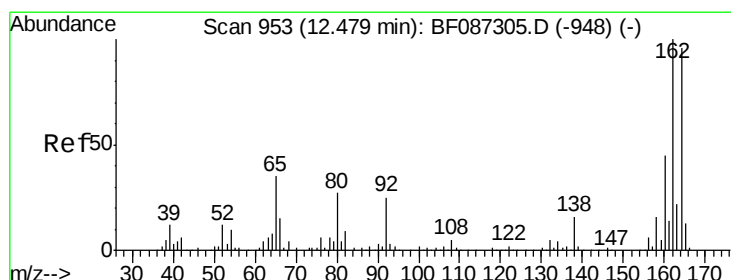
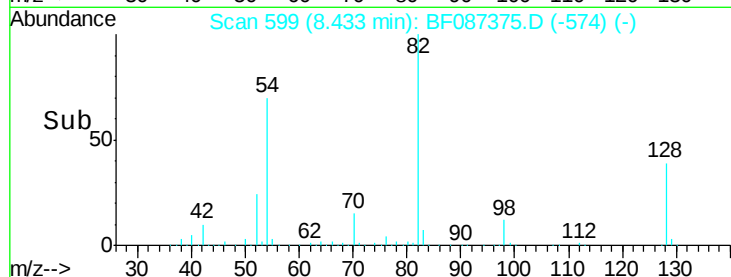
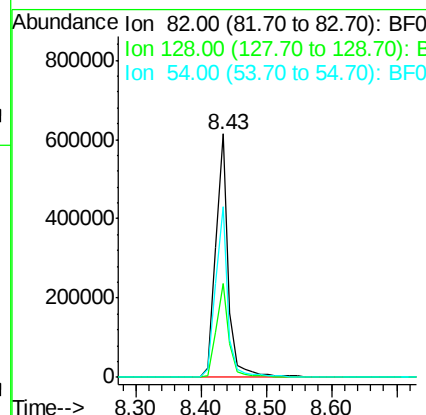
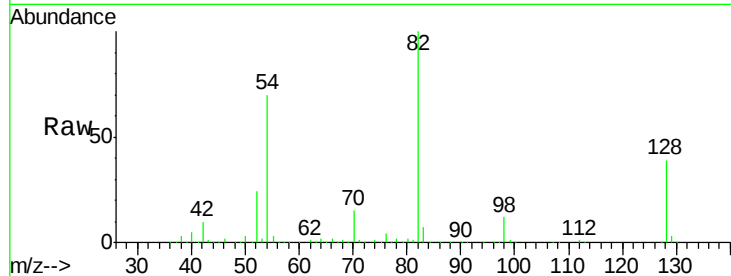
#23
 Nitrobenzene-d5
 Concen: 96.08 ng
 RT: 8.43 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: BF087375.D
 Acq: 25 May 2016 16:44

Instrument :
 BNA_F
 ClientSampleId :
 E-2(8.5-9)

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	38.8	40.6	61.0#
54	69.9	38.1	57.1#

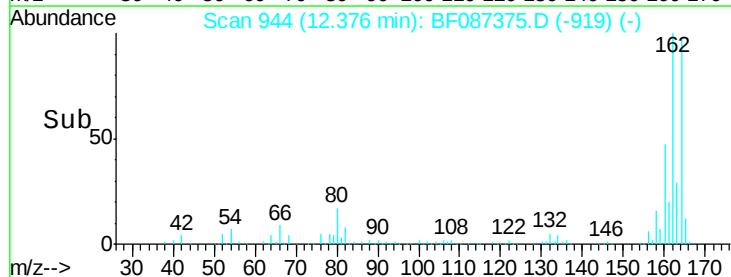
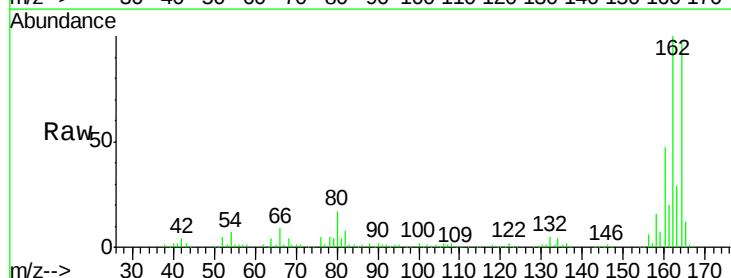
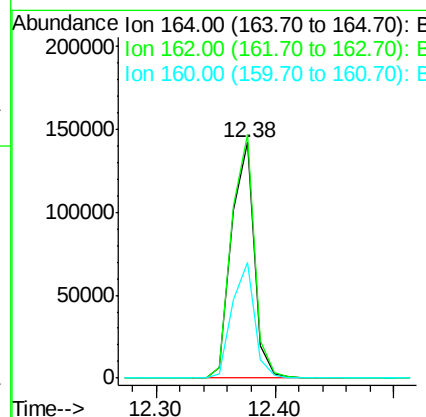
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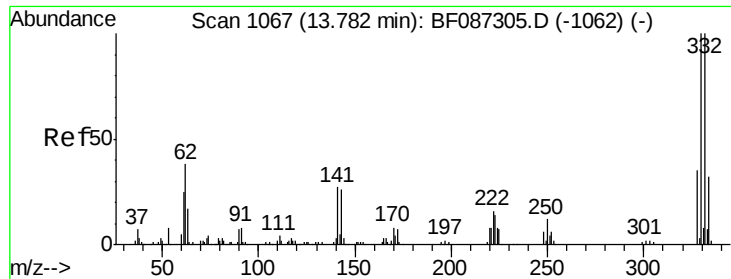
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.38 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: BF087375.D
 Acq: 25 May 2016 16:44

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	103.2	82.8	124.2
160	48.9	36.9	55.3





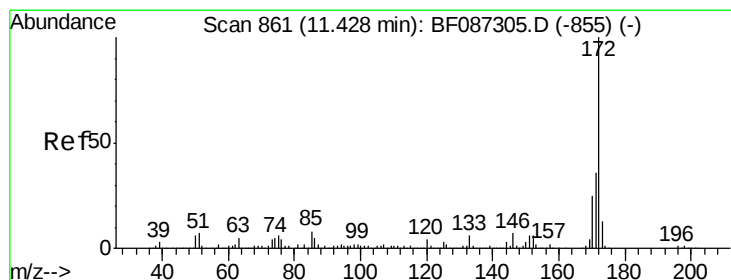
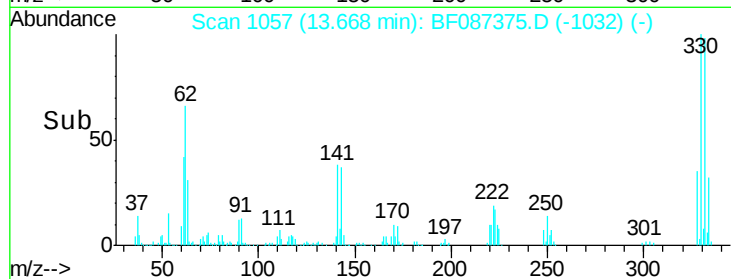
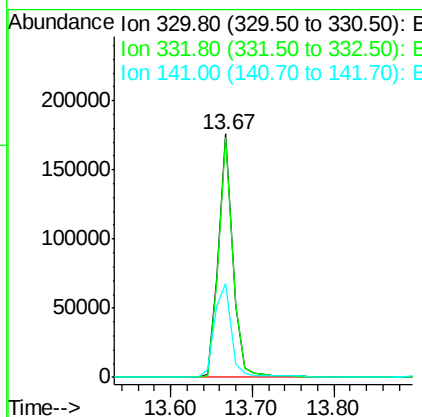
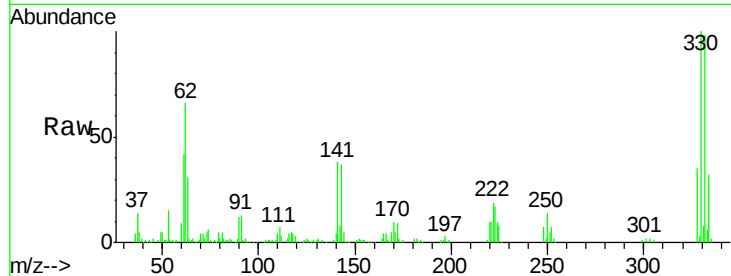
#41
 2,4,6-Tribromophenol
 Concen: 120.90 ng
 RT: 13.67 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BF087375.D
 Acq: 25 May 2016 16:44

Instrument :
 BNA_F
 ClientSampleId :
 E-2(8.5-9)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	218281		
332	98.5	79.0	118.4	
141	46.7	31.2	46.8	

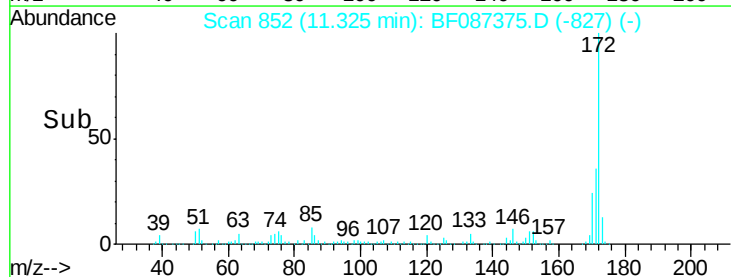
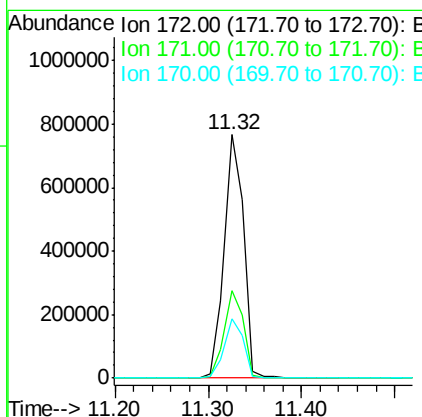
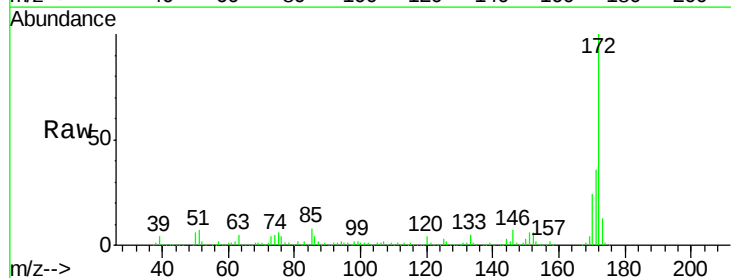
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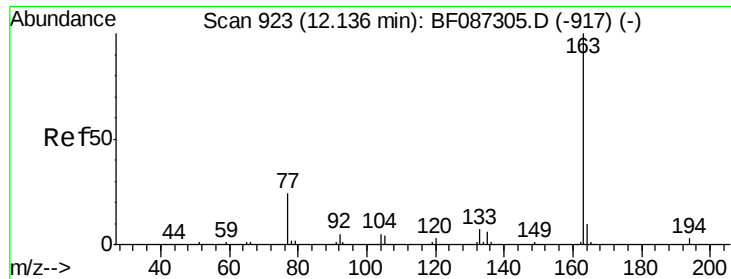
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#44
 2-Fluorobiphenyl
 Concen: 83.77 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BF087375.D
 Acq: 25 May 2016 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1116436		
171	36.0	29.0	43.6	
170	24.4	19.8	29.8	





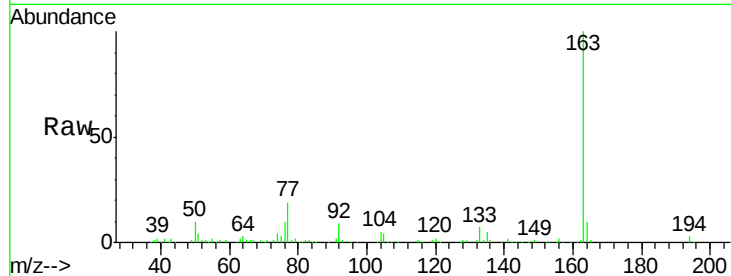
#49
Dimethylphthalate
Concen: 12.91 ng
RT: 12.02 min Scan# 913
Delta R.T. -0.02 min
Lab File: BF087375.D
Acq: 25 May 2016 16:44

Instrument :
BNA_F
ClientSampled :
E-2(8.5-9)

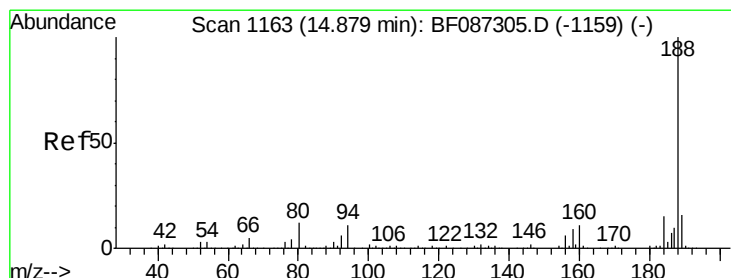
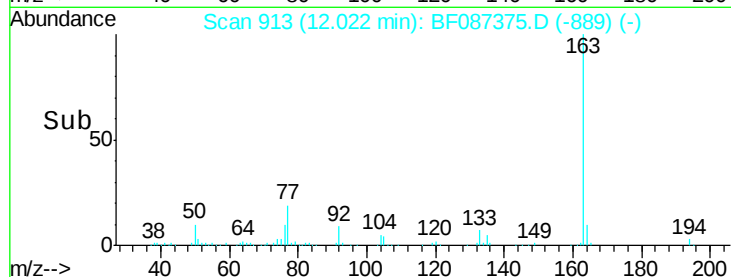
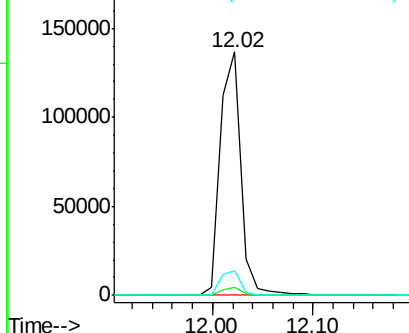
Tot Ion	Ratio	Resp	Lower	Upper
163	100	194276		
194	3.3		2.6	4.0
164	10.0		8.2	12.4

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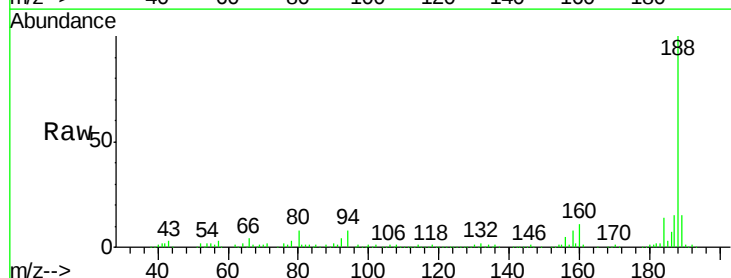


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

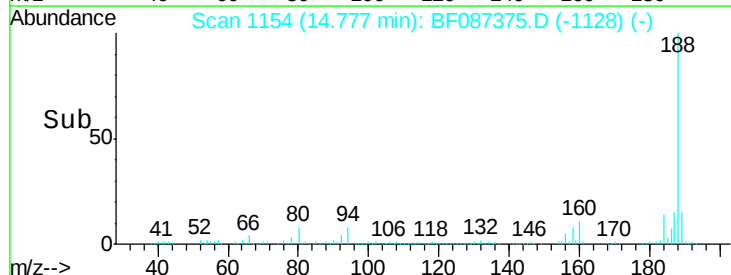
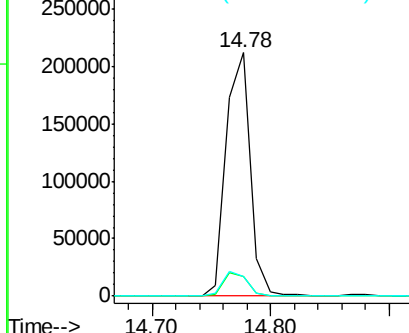


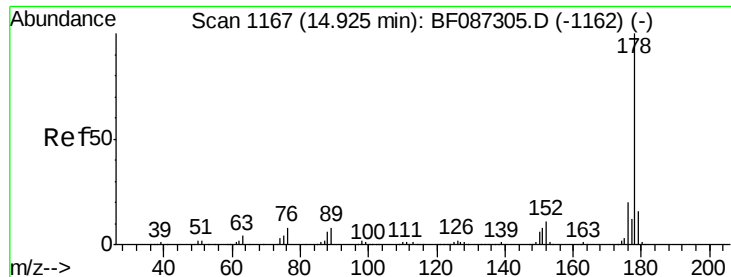
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.78 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BF087375.D
Acq: 25 May 2016 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	298721		
94	8.2		6.8	10.2
80	8.2		7.1	10.7



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





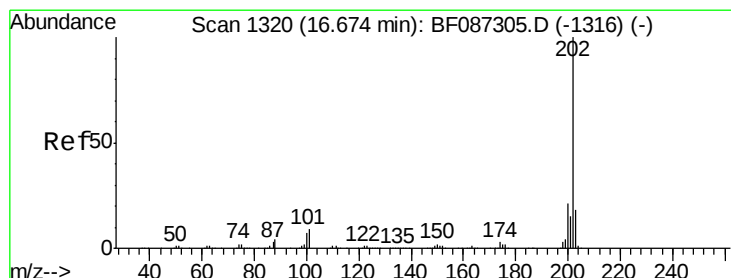
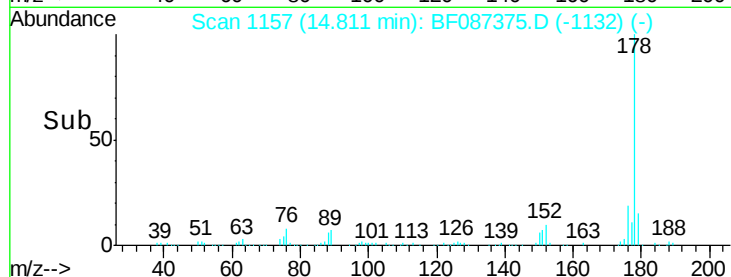
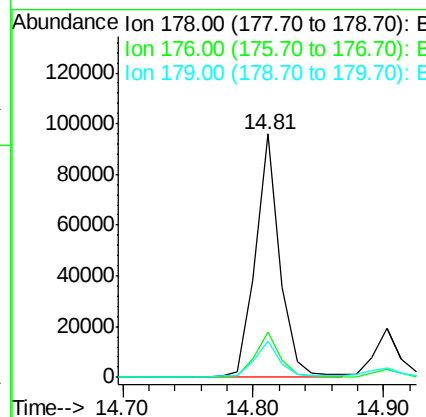
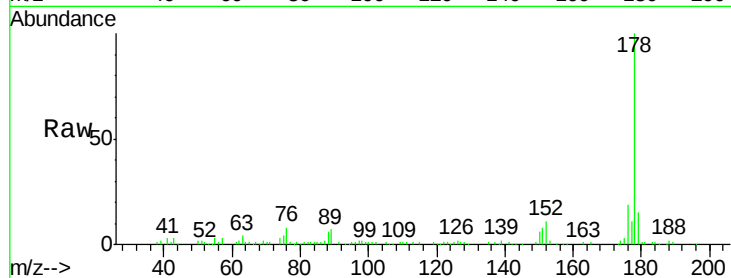
#70
Phenanthrene
Concen: 7.55 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF087375.D
Acq: 25 May 2016 16:44

Instrument :
BNA_F
ClientSampleId :
E-2(8.5-9)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.0	24.0
179	15.1	12.6	18.8

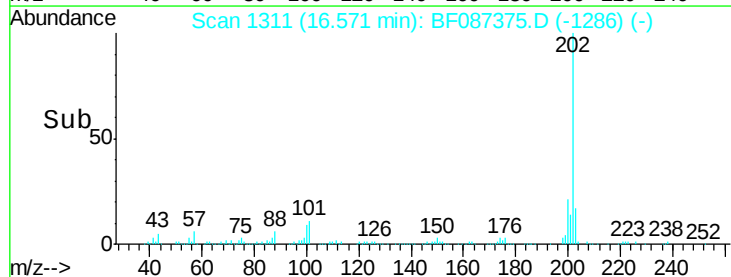
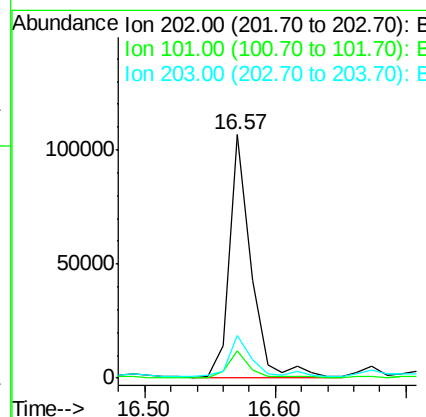
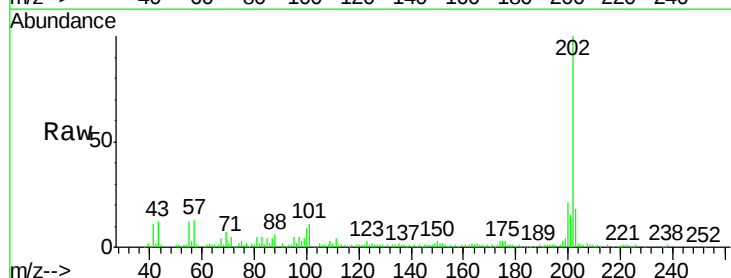
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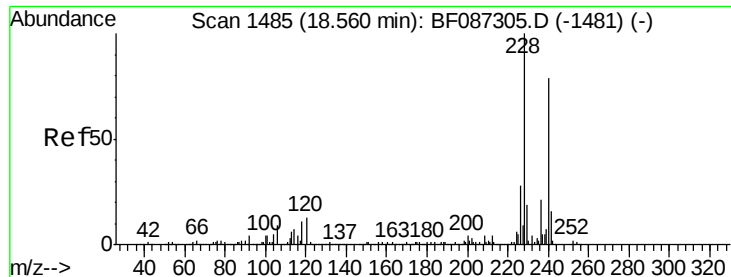
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#74
Fluoranthene
Concen: 7.30 ng
RT: 16.57 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF087375.D
Acq: 25 May 2016 16:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	35.4
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.47 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF087375.D

Acq: 25 May 2016 16:44

Instrument :

BNA_F

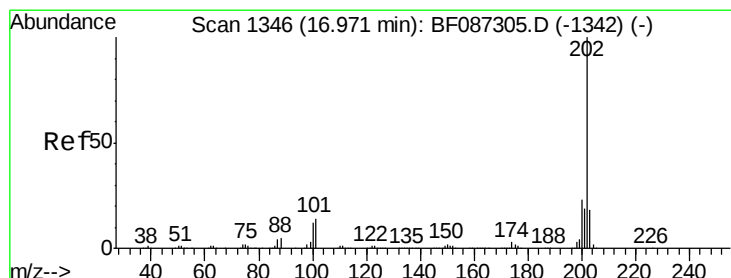
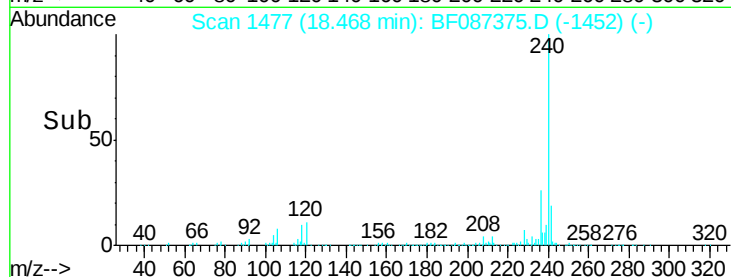
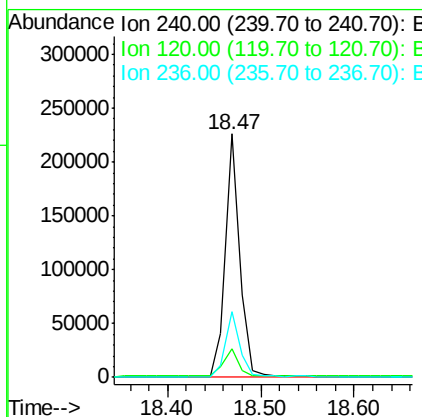
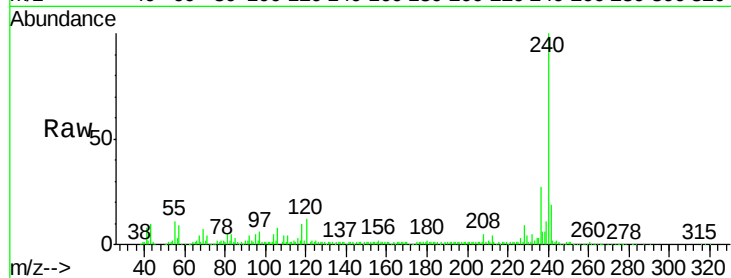
ClientSampleId :

E-2(8.5-9)

Tot Ion:	240	Resp:	242375
Ion Ratio	Lower	Upper	
240	100		
120	11.5	11.2	16.8
236	26.8	21.2	31.8

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#77

Pyrene

Concen: 6.62 ng

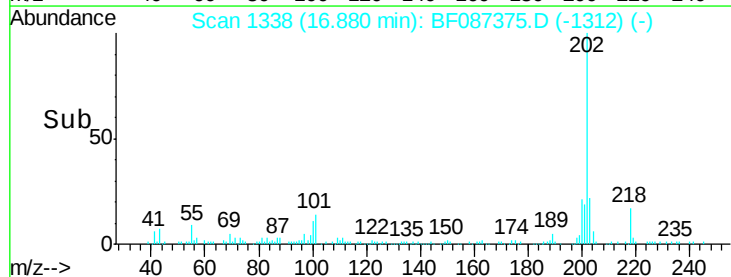
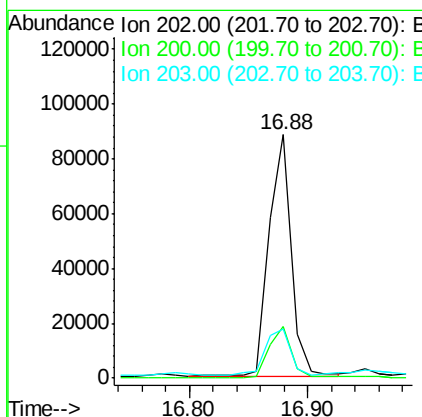
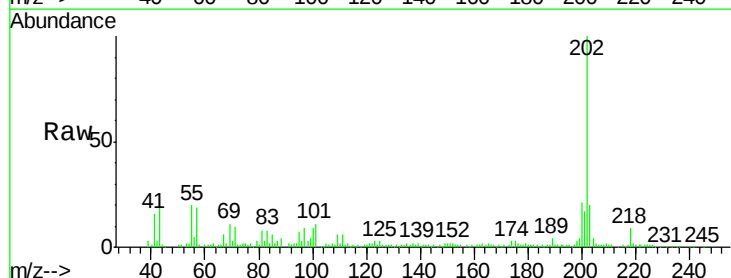
RT: 16.88 min Scan# 1338

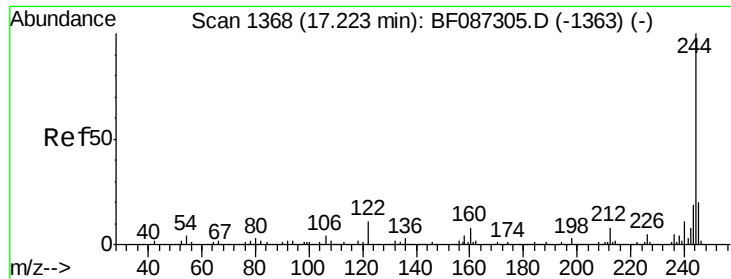
Delta R.T. -0.00 min

Lab File: BF087375.D

Acq: 25 May 2016 16:44

Tgt Ion:	202	Resp:	115450
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.7	26.5
203	20.0	14.2	21.4





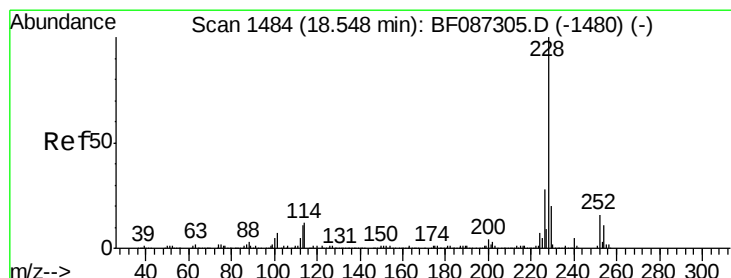
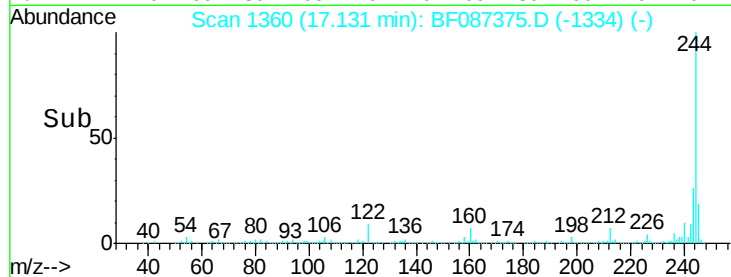
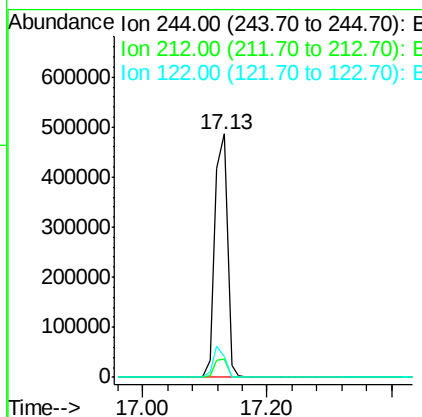
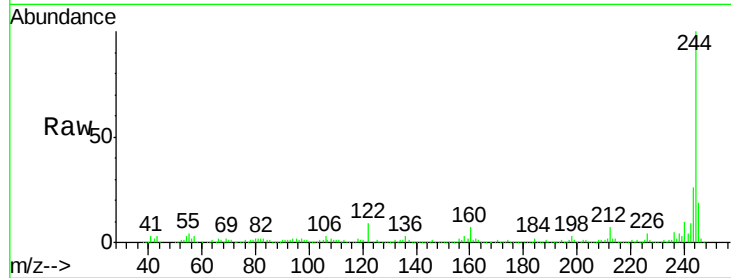
#78
 Terphenyl-d14
 Concen: 58.59 ng
 RT: 17.13 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: BF087375.D
 Acq: 25 May 2016 16:44

Instrument :
 BNA_F
 ClientSampleId :
 E-2(8.5-9)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.2
122	8.8	12.0	18.0

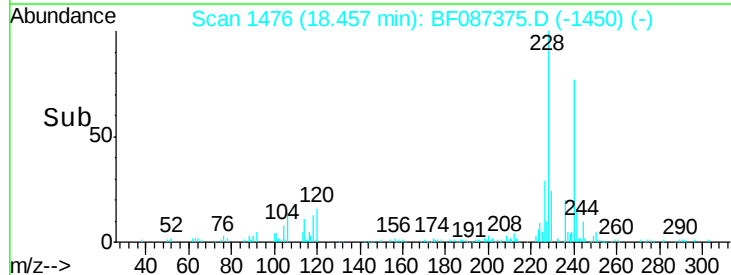
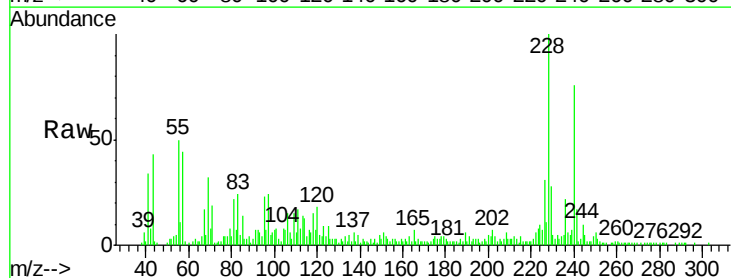
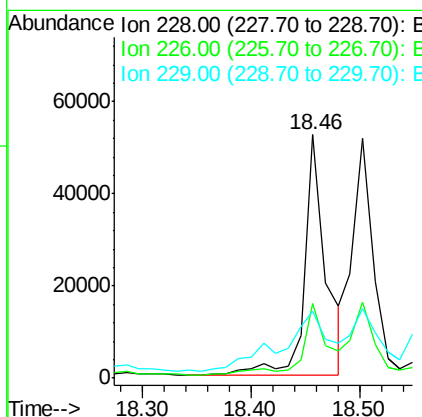
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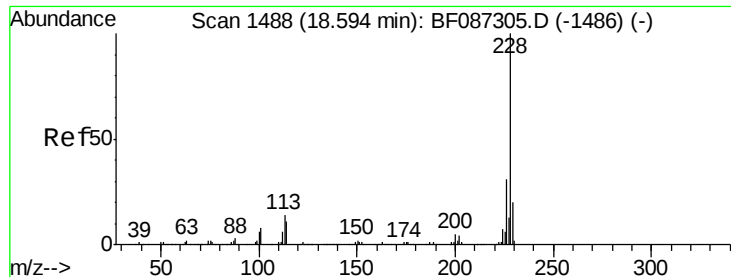
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#80
 Benzo(a)anthracene
 Concen: 5.22 ng
 RT: 18.46 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: BF087375.D
 Acq: 25 May 2016 16:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.5	33.7
229	27.8	16.6	25.0





#82

Chrysene

Concen: 4.82 ng

RT: 18.50 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF087375.D

Acq: 25 May 2016 16:44

Instrument :

BNA_F

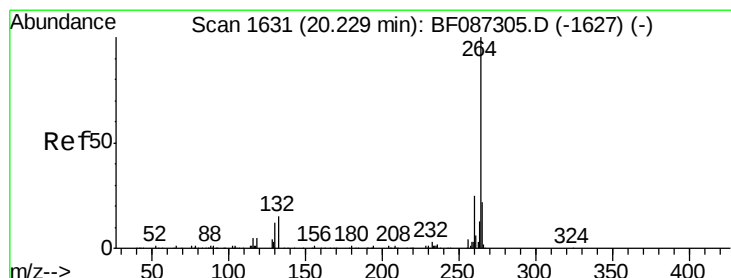
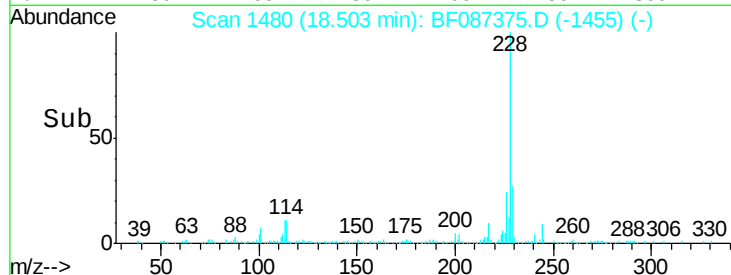
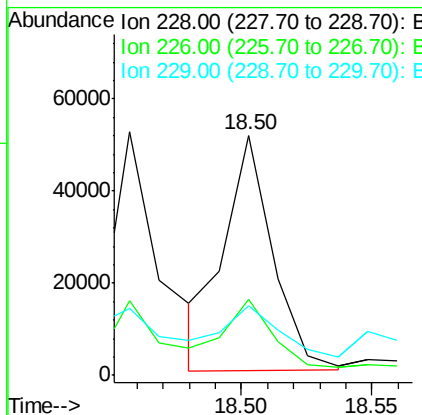
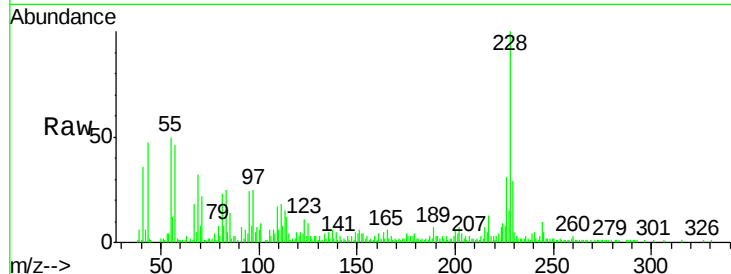
ClientSampleId :

E-2(8.5-9)

Tot Ion:	228	Resp:	65977
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.4	36.6
229	29.0	15.8	23.8

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#86

Perylene-d12

Concen: 20.00 ng

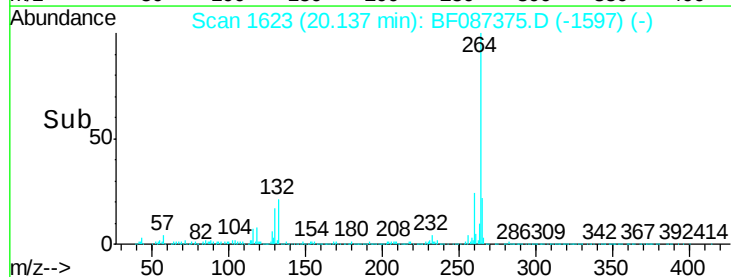
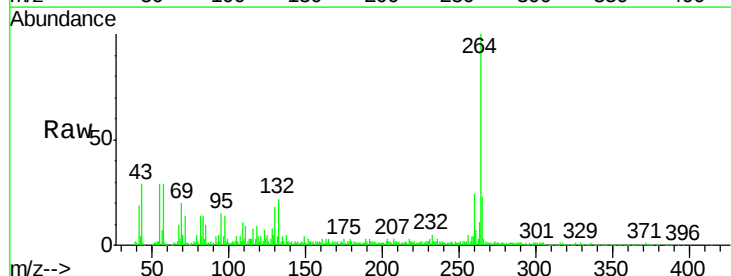
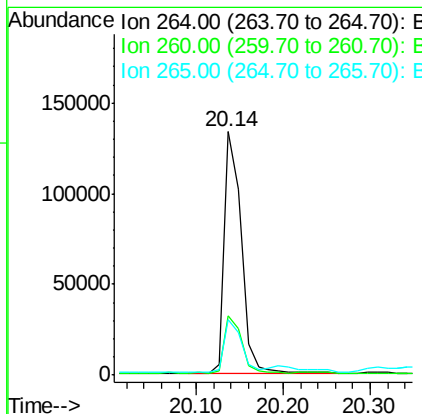
RT: 20.14 min Scan# 1623

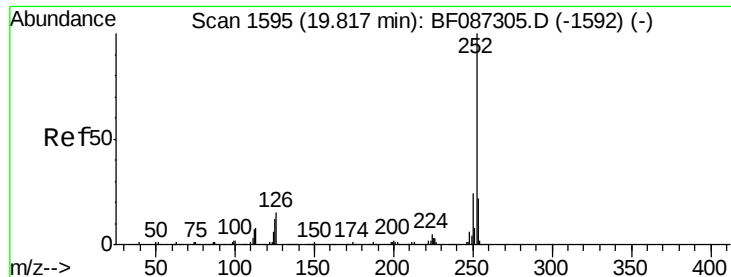
Delta R.T. -0.00 min

Lab File: BF087375.D

Acq: 25 May 2016 16:44

Tgt Ion:	264	Resp:	183148
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.5	29.3
265	23.0	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 5.10 ng/mL

RT: 19.74 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF087375.D

Acq: 25 May 2016 16:44

Instrument :

BNA_F

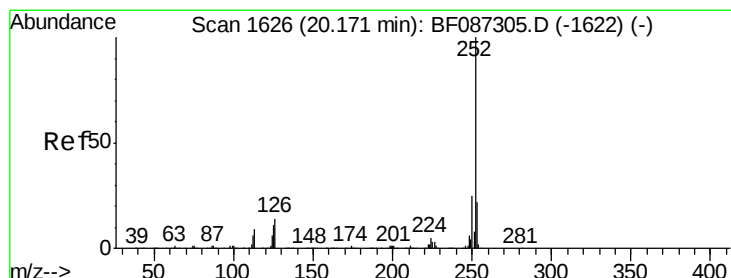
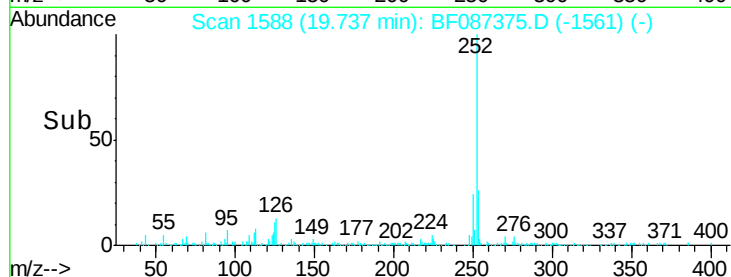
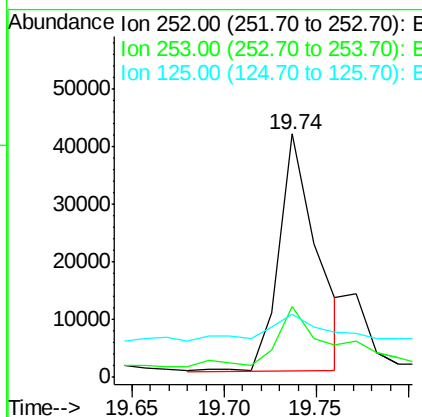
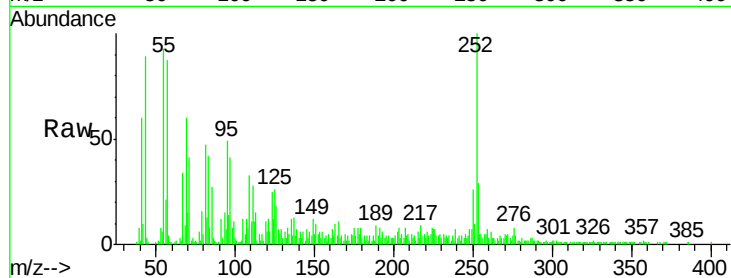
ClientSampleId :

E-2(8.5-9)

Tot Ion:	252	Resp:	59506
Ion Ratio	Lower	Upper	
252	100		
253	28.9	17.8	26.6#
125	25.8	11.4	17.0#

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#89

Benzo(a)pyrene

Concen: 3.66 ng/mL

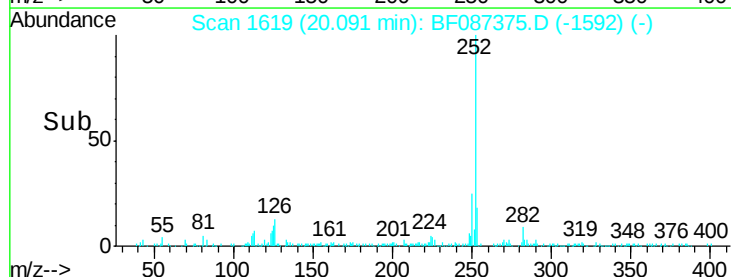
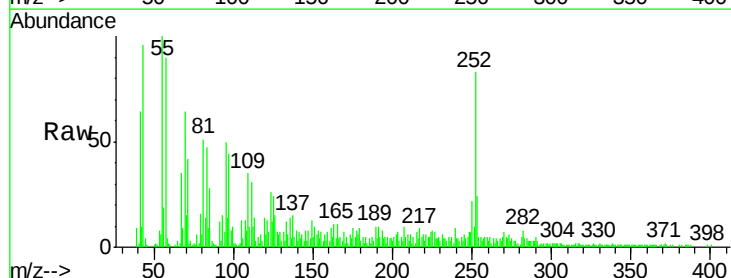
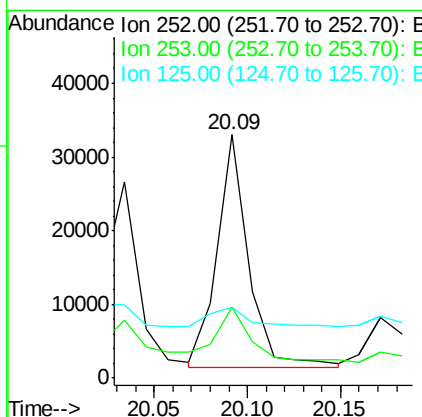
RT: 20.09 min Scan# 1619

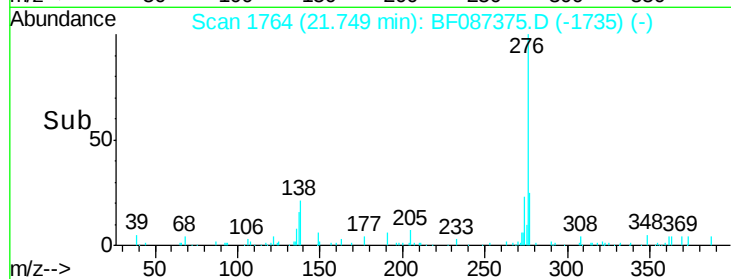
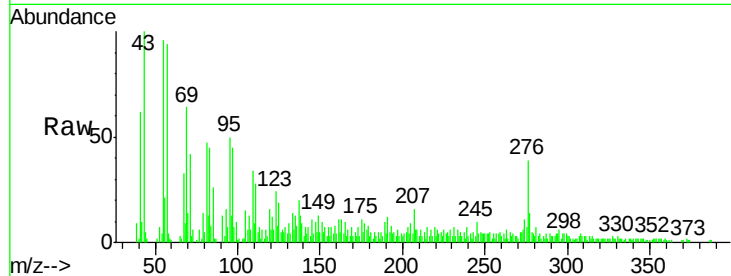
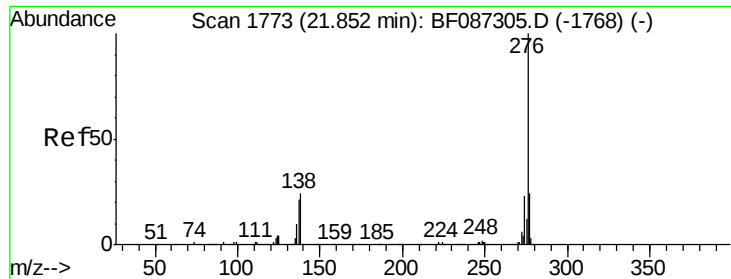
Delta R.T. 0.01 min

Lab File: BF087375.D

Acq: 25 May 2016 16:44

Tgt Ion:	252	Resp:	36972
Ion Ratio	Lower	Upper	
252	100		
253	28.9	17.2	25.8#
125	29.2	9.0	13.6#





#91
 Benzo(a,h,i)perylene
 Concen: 2.28 ng
 RT: 21.75 min Scan# 1764
 Delta R.T. 0.03 min
 Lab File: BF087375.D
 Acq: 25 May 2016 16:44

Instrument :
 BNA_F
 ClientSampleId :
 E-2(8.5-9)

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	34.9	19.6	29.4	
138	32.4	23.6	35.4	

Manual Integrations
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