

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088427.D
 Acq On : 26 Jun 2016 19:26
 Operator : UM/SJ
 Sample : H3663-16 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Manual Integrations
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Quant Time: Jun 27 17:56:10 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	79237	20.00	ng	-0.06
21) Naphthalene-d8	7.84	136	330362	20.00	ng	-0.06
38) Acenaphthene-d10	9.58	164	144390	20.00	ng	-0.07
63) Phenanthrene-d10	11.06	188	246912	20.00	ng	-0.06
75) Chrysene-d12	13.68	240	143656	20.00	ng	-0.07
86) Perylene-d12	15.04	264	165258	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	259892	56.07	ng	-0.05
7) Phenol-d6	6.22	99	348838	62.10	ng	-0.05
23) Nitrobenzene-d5	7.12	82	207030	36.59	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	68414	44.87	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	392551	39.76	ng	-0.06
78) Terphenyl-d14	12.63	244	275068	43.57	ng	-0.07
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.02	107	18166	3.50	ng	# 74
31) Naphthalene	7.86	128	1118950	68.44	ng	99
37) 2-Methylnaphthalene	8.55	142	244727	22.71	ng	98
49) Dimethylphthalate	9.31	163	50285	4.81	ng	99
51) Acenaphthene	9.61	154	316285	34.11	ng	98
54) Dibenzofuran	9.78	168	309682	24.25	ng	91
57) Fluorene	10.12	166	342085	39.00	ng	99
70) Phenanthrene	11.09	178	1469551	113.42	ng	99
71) Anthracene	11.13	178	575198	44.01	ng	98
72) Carbazole	11.29	167	269064	22.00	ng	99
74) Fluoranthene	12.27	202	1297971	94.93	ng	95
77) Pvrene	12.49	202	940380	88.21	ng	98
80) Benzo(a)anthracene	13.68	228	562640	68.73	ng	98
82) Chrysene	13.71	228	455273m	59.11	ng	
85) Indeno(1,2,3-cd)pyrene	16.26	276	259894	36.32	ng	# 100
87) Benzo(b)fluoranthene	14.67	252	500065m	43.41	ng	
88) Benzo(k)fluoranthene	14.69	252	280710m	32.31	ng	
89) Benzo(a)pyrene	14.98	252	436103	46.80	ng	98
90) Dibenzo(a,h)anthracene	16.26	278	63225m	7.30	ng	
91) Benzo(a,h,i)perylene	16.63	276	223905	25.15	ng	98

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

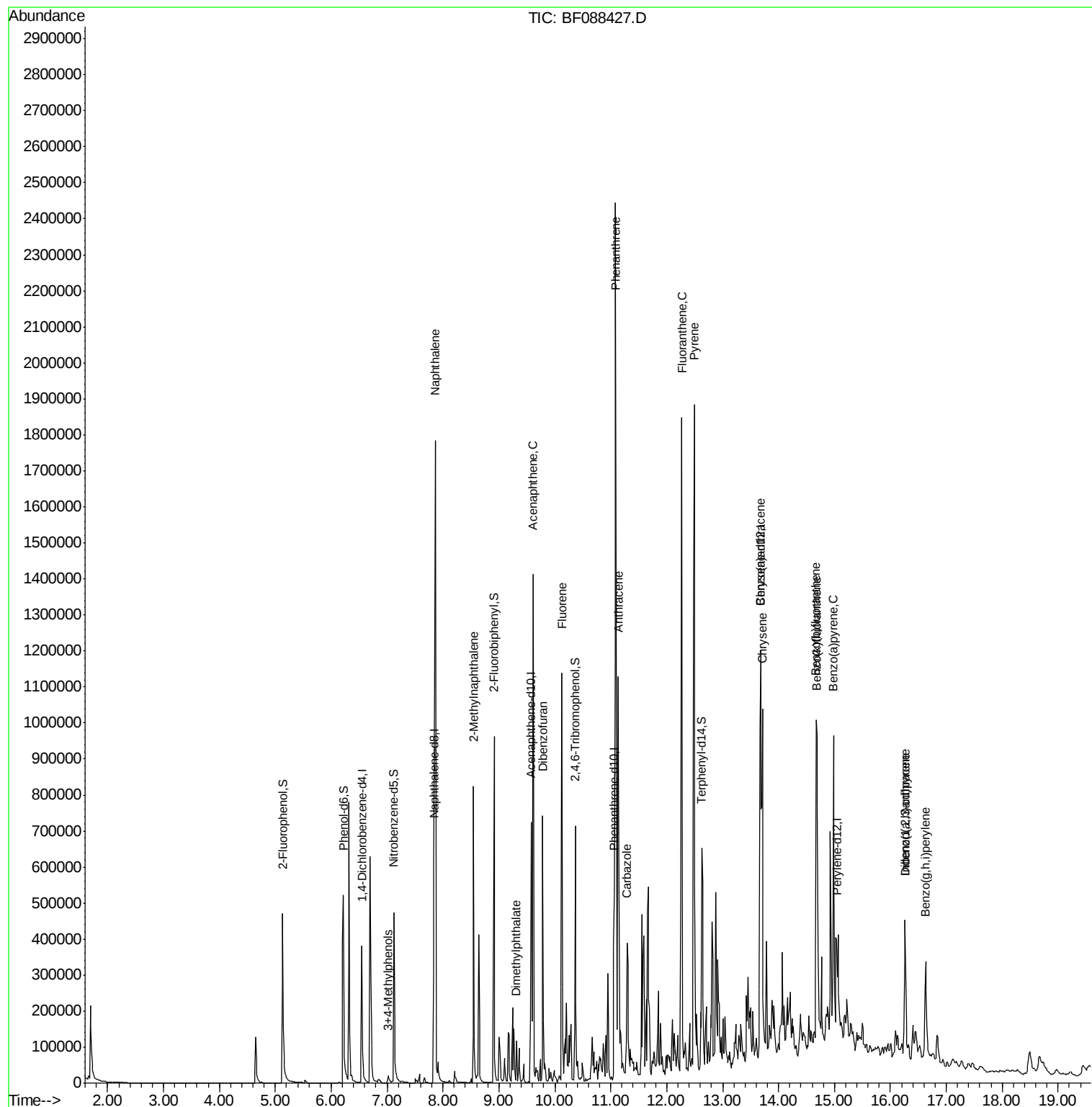
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
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ALS Vial : 17 Sample Multiplier: 1

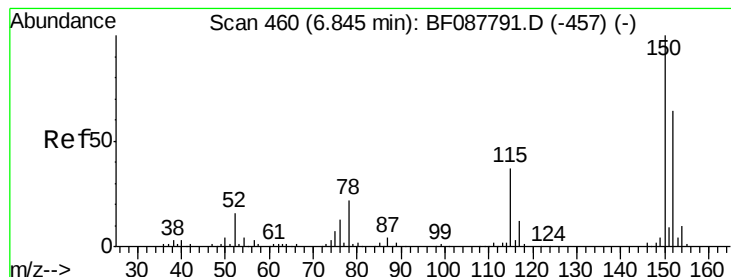
Instrument :
BNA_F
ClientSampleId :
TP-9

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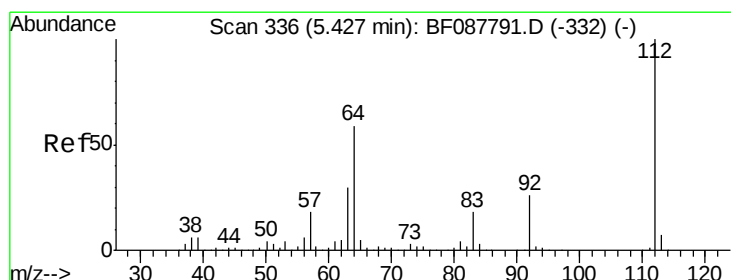
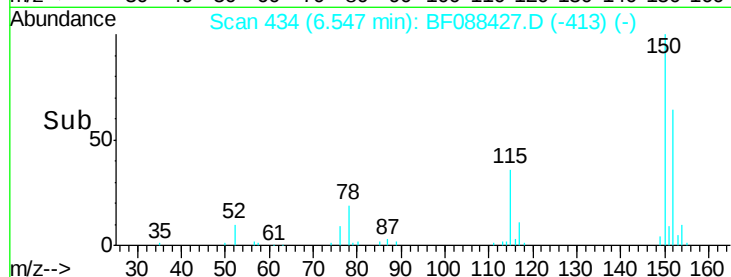
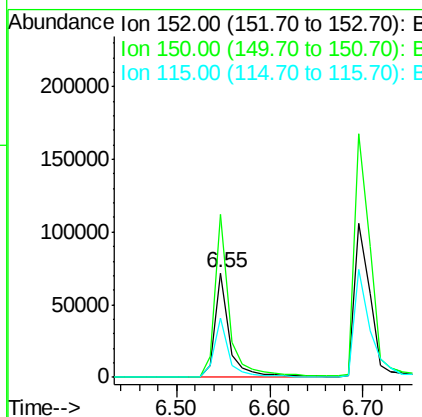
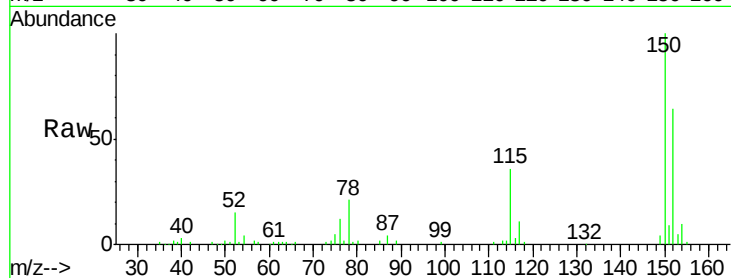
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.55 min Scan# 434
 Delta R.T. -0.06 min
 Lab File: BF088427.D
 Acq: 26 Jun 2016 19:26

Instrument :
 BNA_F
 ClientSampled :
 TP-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.8	185.6
115	56.8	39.6	59.4

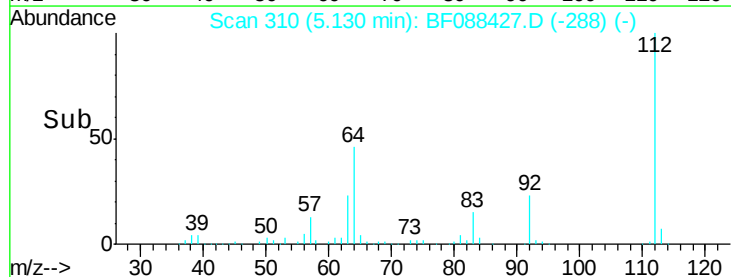
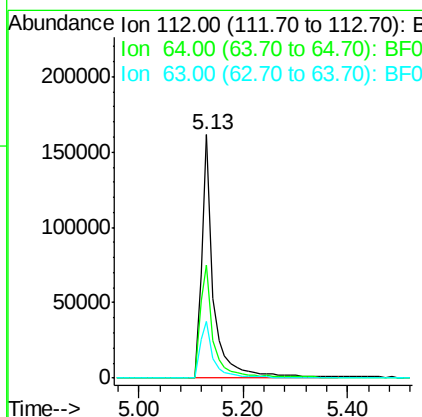
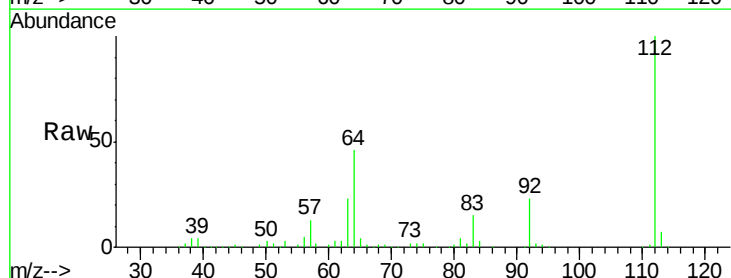
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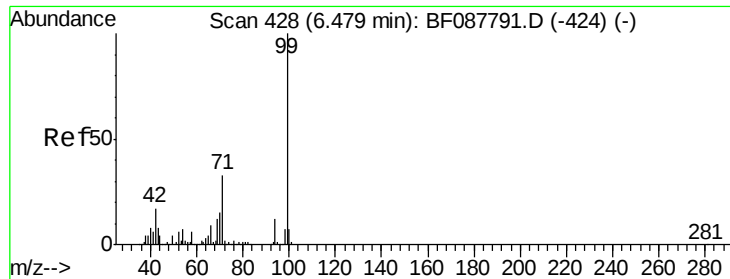
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#5
 2-Fluorophenol
 Concen: 56.07 ng
 RT: 5.13 min Scan# 310
 Delta R.T. -0.05 min
 Lab File: BF088427.D
 Acq: 26 Jun 2016 19:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.3	42.2	63.2
63	23.3	21.8	32.8





#7

Phenol-d6

Concen: 62.10 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Instrument :

BNA_F

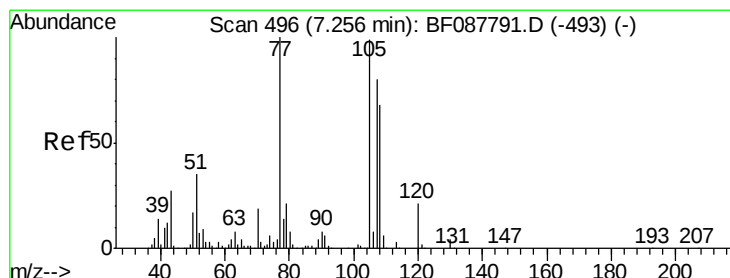
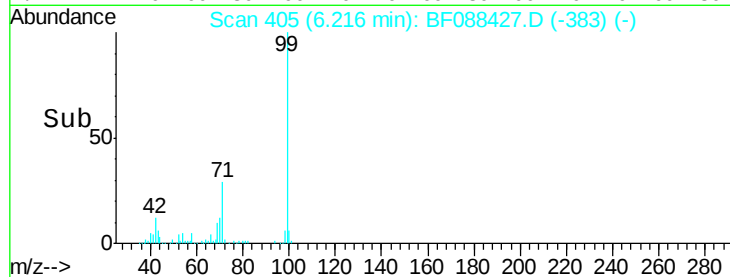
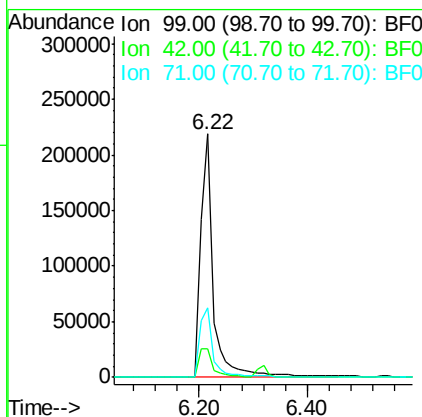
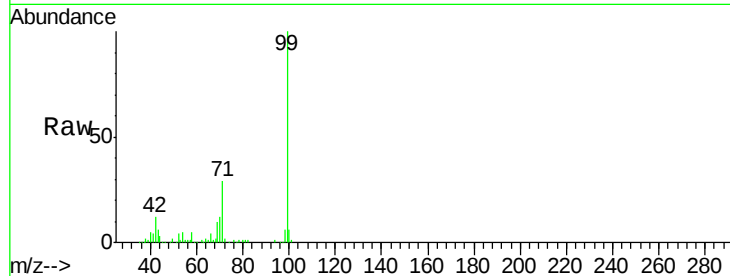
ClientSampled :

TP-9

Tot Ion:	99	Resp:	348838
Ion Ratio	Lower	Upper	
99	100		
42	11.6	12.2	18.2#
71	28.7	23.4	35.0

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#20

3+4-Methylphenols

Concen: 3.50 ng

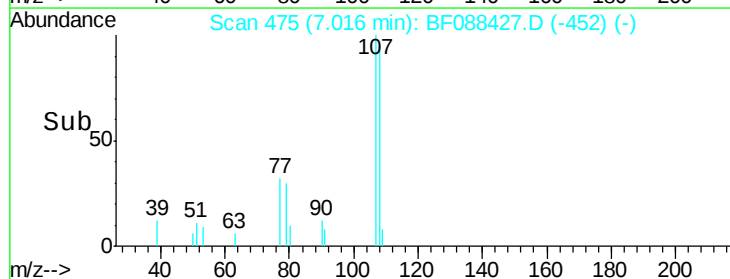
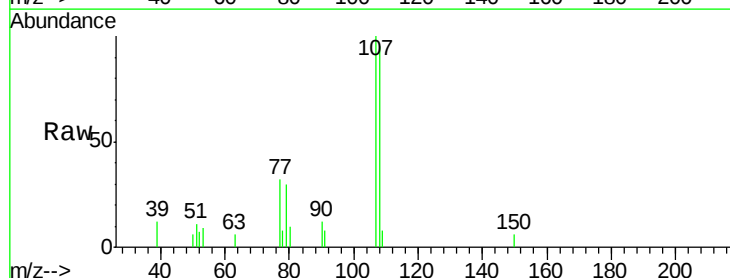
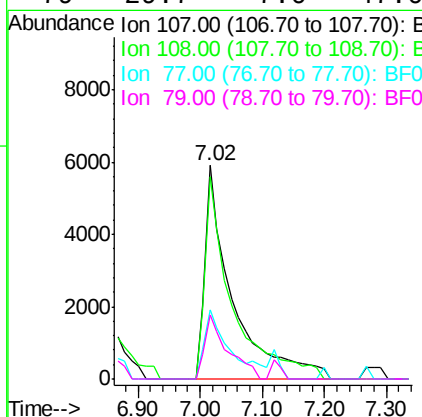
RT: 7.02 min Scan# 475

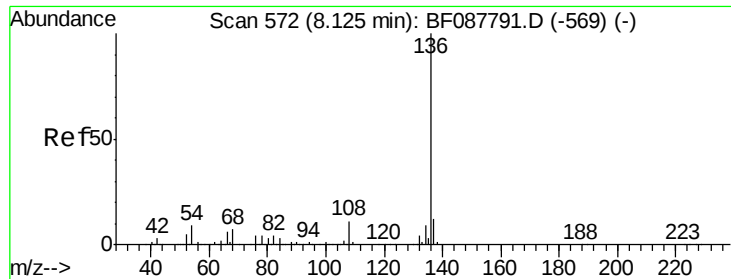
Delta R.T. -0.03 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Tgt Ion:	107	Resp:	18166
Ion Ratio	Lower	Upper	
107	100		
108	94.5	67.8	107.8
77	32.2	59.3	99.3#
79	29.7	7.0	47.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 547

Delta R.T. -0.06 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Instrument :

BNA_F

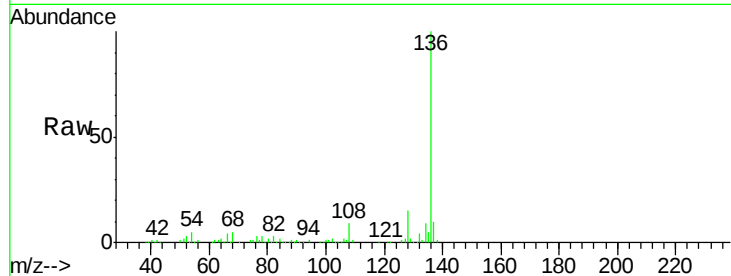
ClientSampleId :

TP-9

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.5	9.1	13.7		
54	5.0	6.6	10.0		
68	4.7	5.1	7.7		

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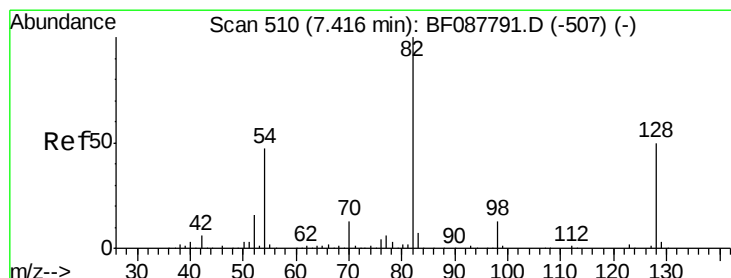
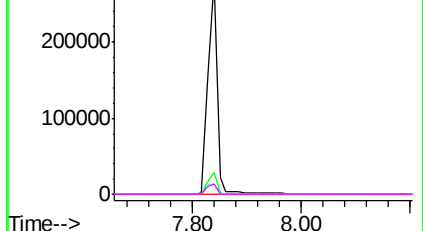
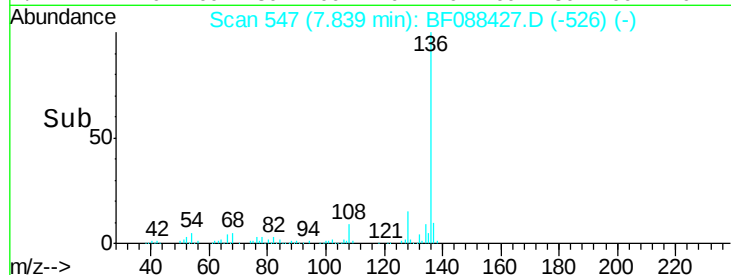


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 36.59 ng

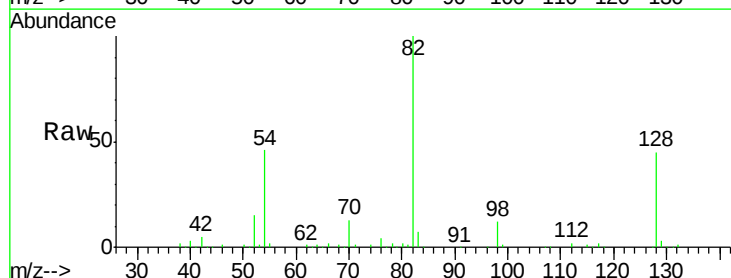
RT: 7.12 min Scan# 484

Delta R.T. -0.06 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

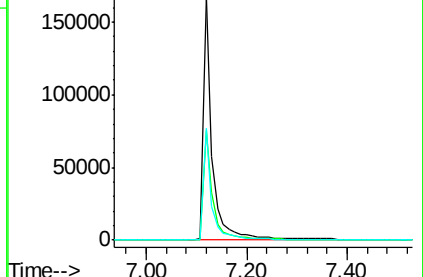
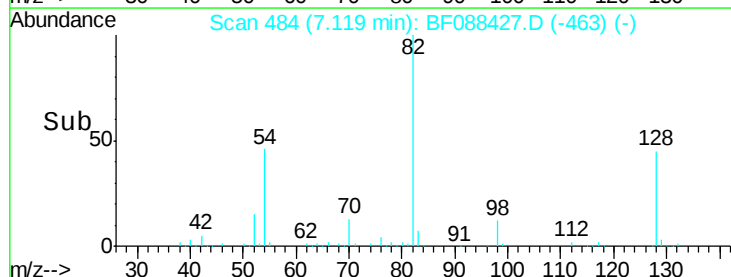
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	44.7	35.9	53.9		
54	45.7	40.9	61.3		

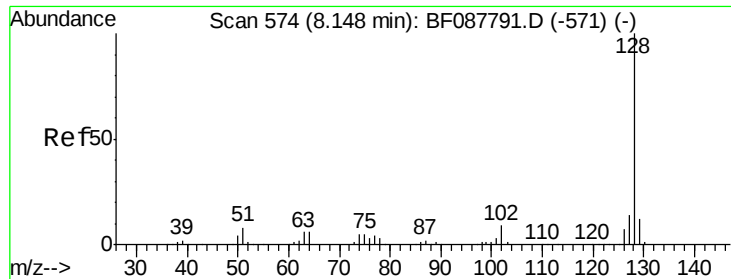


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





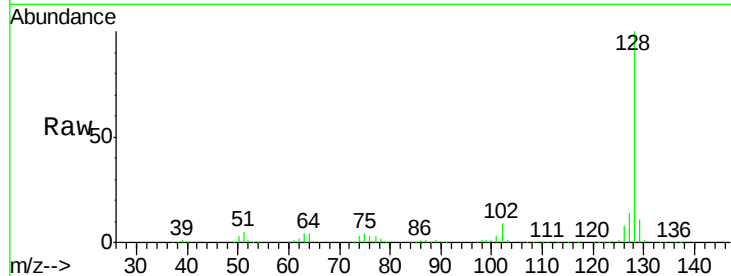
#31
Naphthalene
Concen: 68.44 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.06 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Instrument :
BNA_F
ClientSampleId :
TP-9

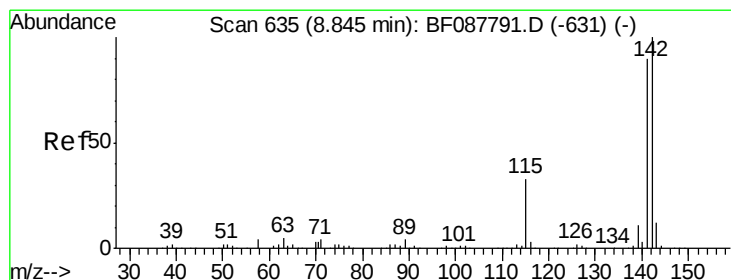
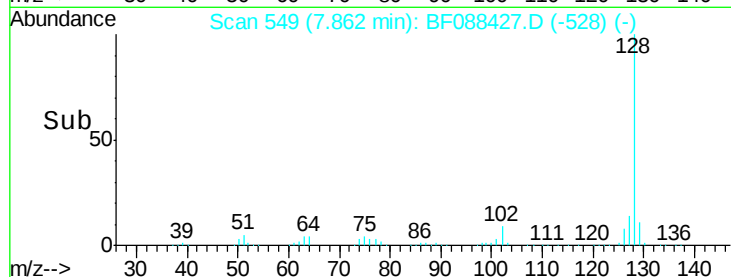
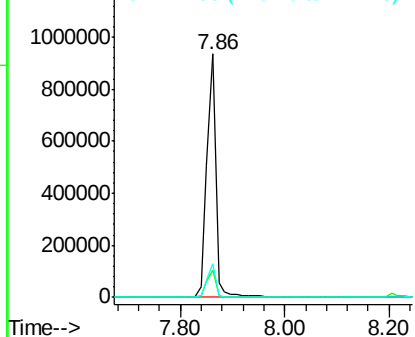
Tot Ion:128 Resp: 1118950
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.2
127 13.6 10.9 16.3

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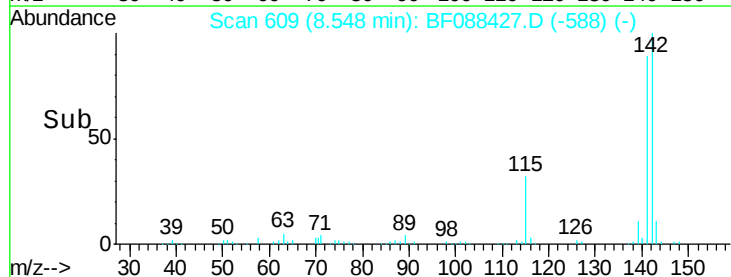
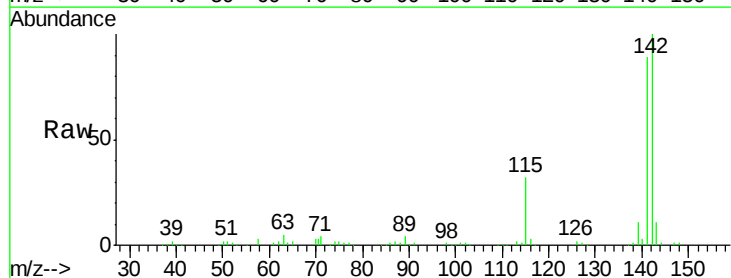
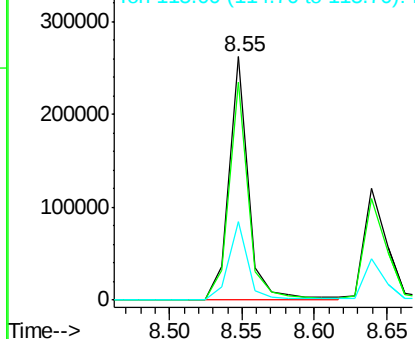
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

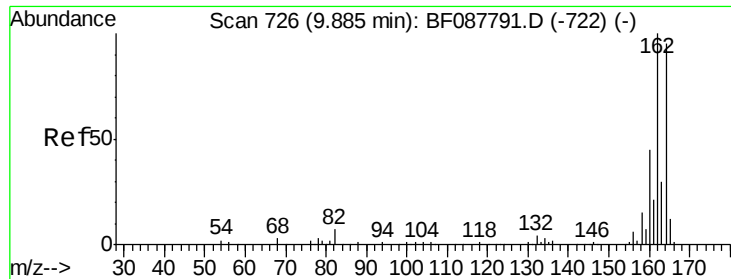


#37
2-Methylnaphthalene
Concen: 22.71 ng
RT: 8.55 min Scan# 609
Delta R.T. -0.06 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Tgt Ion:142 Resp: 244727
Ion Ratio Lower Upper
142 100
141 89.4 71.0 106.6
115 32.5 22.6 33.8

Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





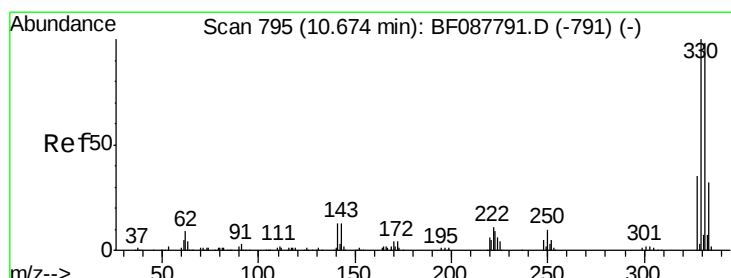
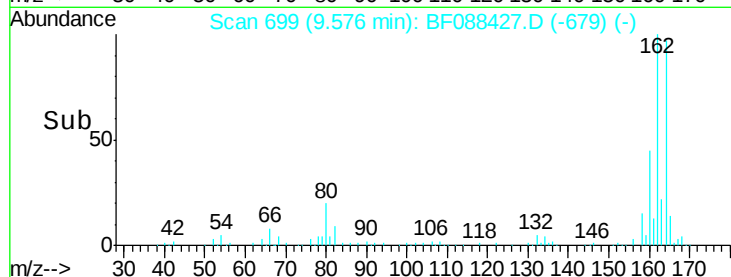
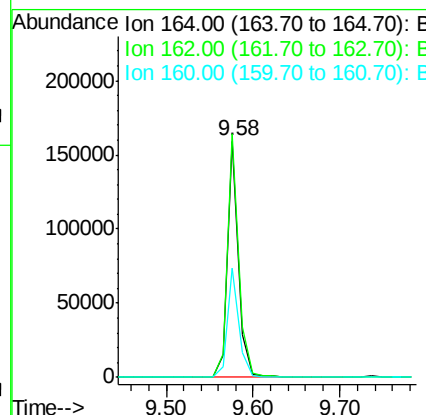
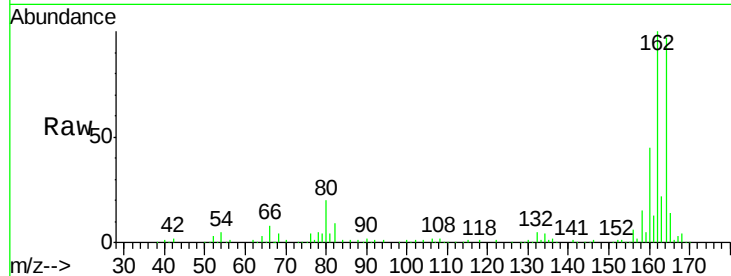
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.07 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	85.4	128.2
160	46.3	39.5	59.3

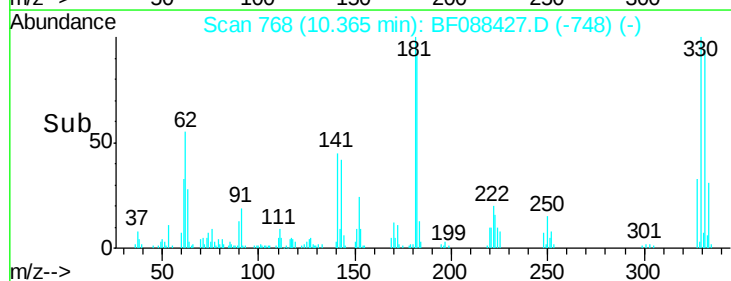
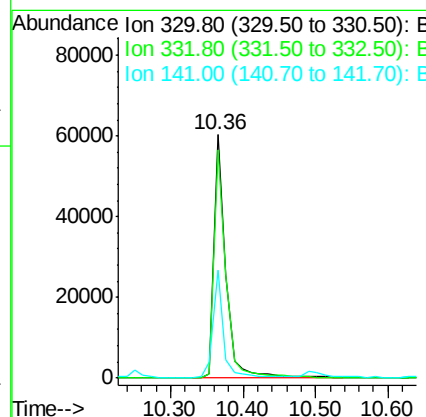
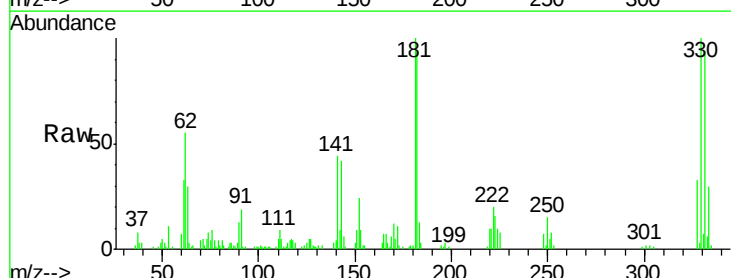
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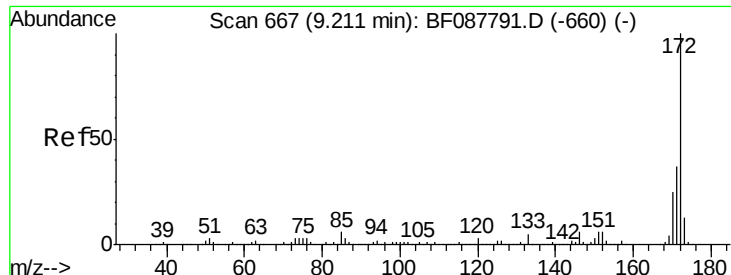
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#41
2,4,6-Tribromophenol
Concen: 44.87 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.07 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	0.0	0.0#
141	40.5	0.0	0.0#





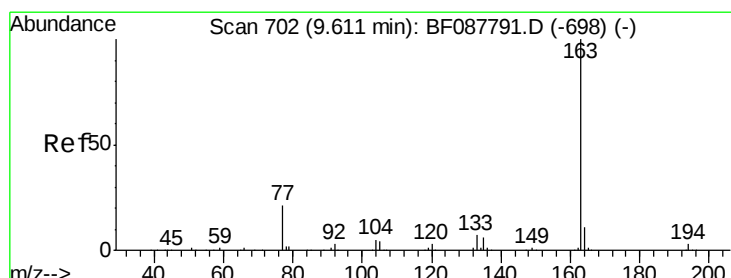
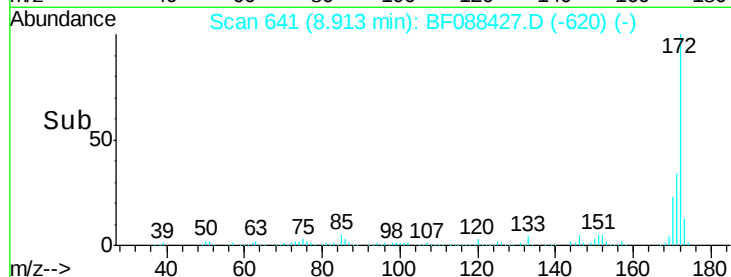
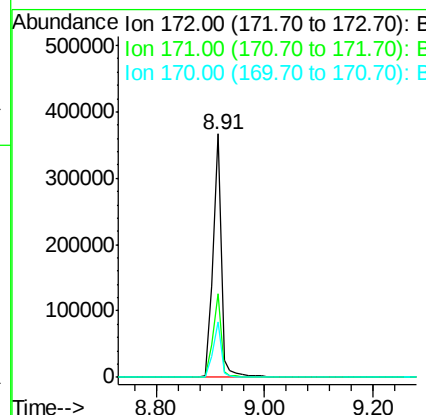
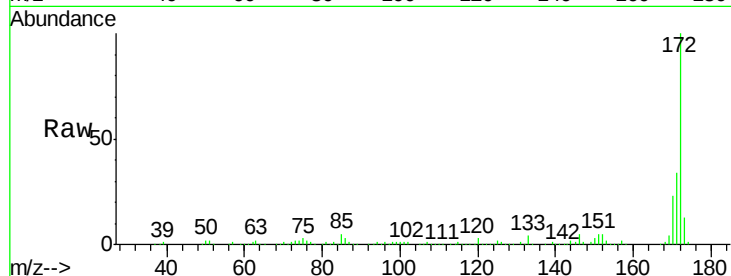
#44
2-Fluorobiphenyl
Concen: 39.76 ng
RT: 8.91 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Instrument :
BNA_F
ClientSampled :
TP-9

Tot Ion	Ratio	Resp	Lower	Upper
172	100	392551		
171	34.5		28.6	43.0
170	22.8		19.2	28.8

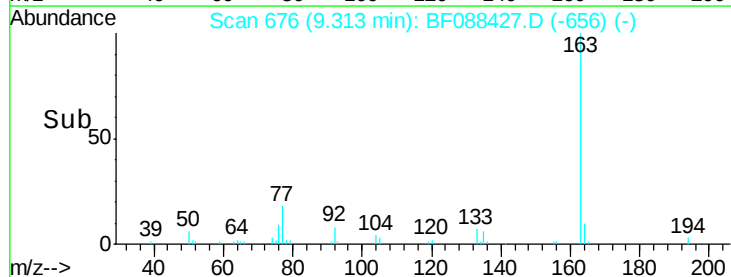
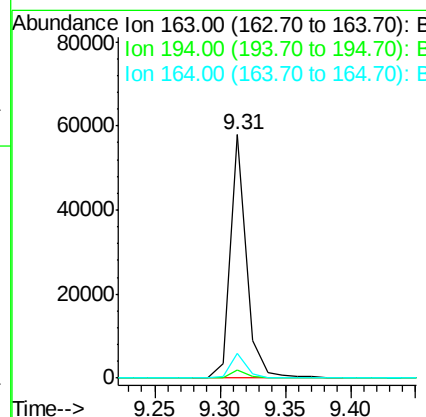
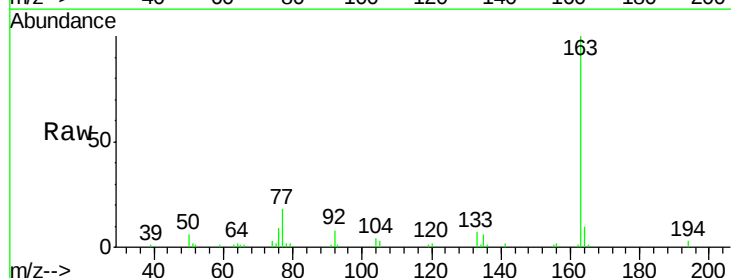
Manual Integrations
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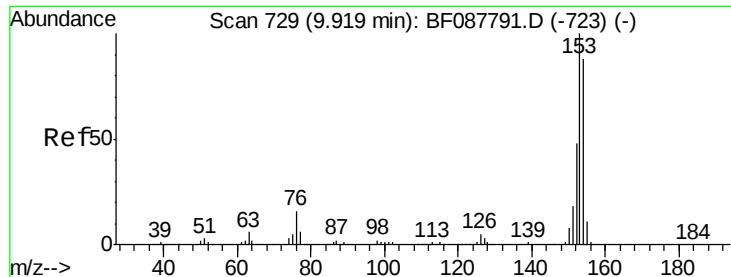
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#49
Dimethylphthalate
Concen: 4.81 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.07 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	50285		
194	3.3		2.8	4.2
164	10.1		8.3	12.5





#51

Acenaphthene

Concen: 34.11 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.07 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Instrument :

BNA_F

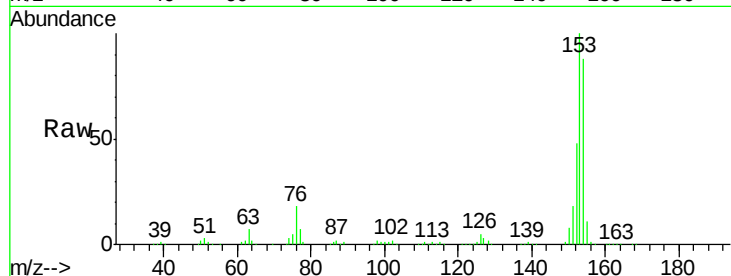
ClientSampled :

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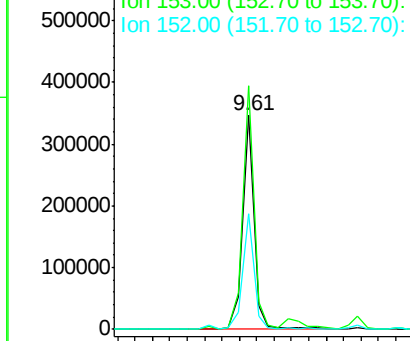
Tot Ion:	154	Resp:	316285
Ion Ratio	Lower	Upper	
154	100		
153	113.8	89.5	134.3
152	54.3	42.7	64.1

Manual Integrations
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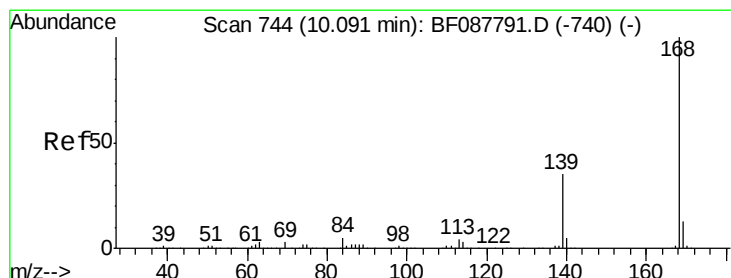
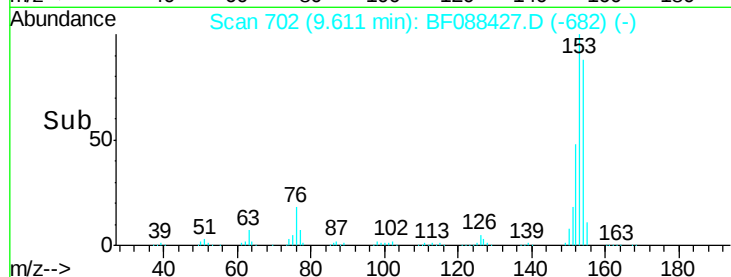
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time-->



#54

Dibenzofuran

Concen: 24.25 ng

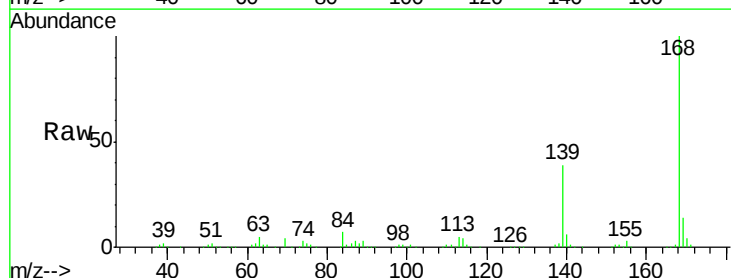
RT: 9.78 min Scan# 717

Delta R.T. -0.07 min

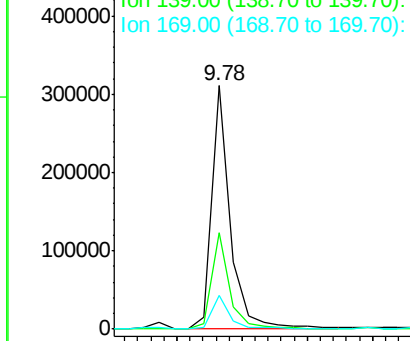
Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

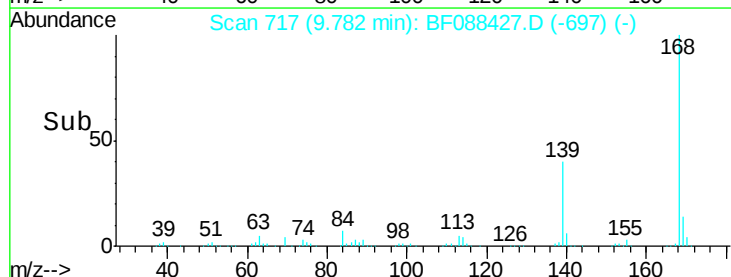
Tgt Ion:	168	Resp:	309682
Ion Ratio	Lower	Upper	
168	100		
139	39.5	26.4	39.6
169	14.1	10.4	15.6

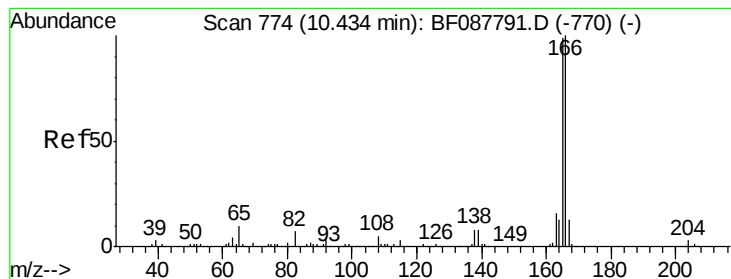


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



Time-->





#57

Fluorene

Concen: 39.00 ng

RT: 10.12 min Scan# 747

Delta R.T. -0.07 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Instrument :

BNA_F

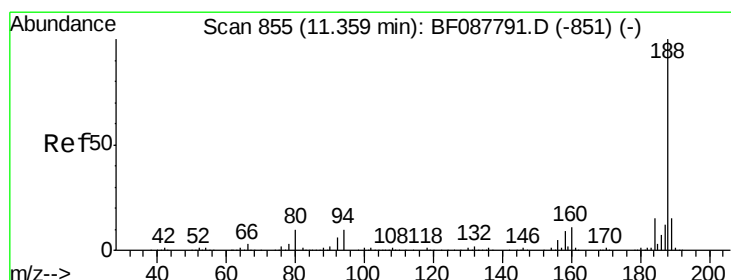
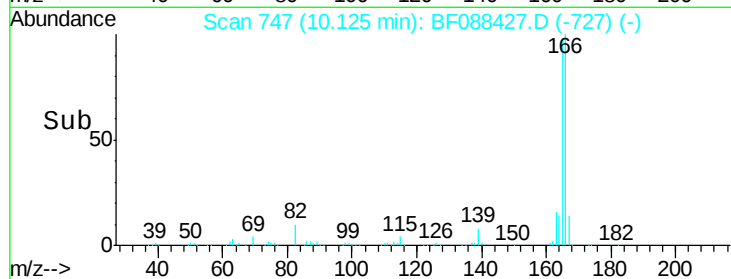
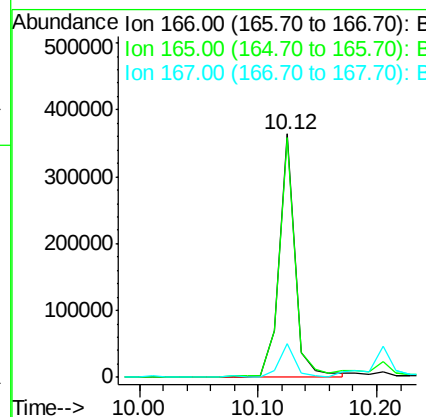
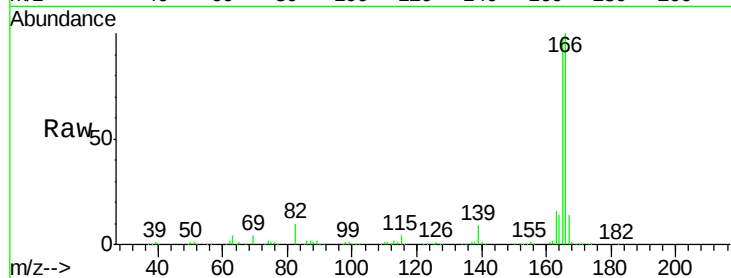
ClientSampled :

TP-9

Tot Ion:	166	Resp:	342085
Ion Ratio	Lower	Upper	
166	100		
165	98.3	77.8	116.8
167	13.7	11.2	16.8

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

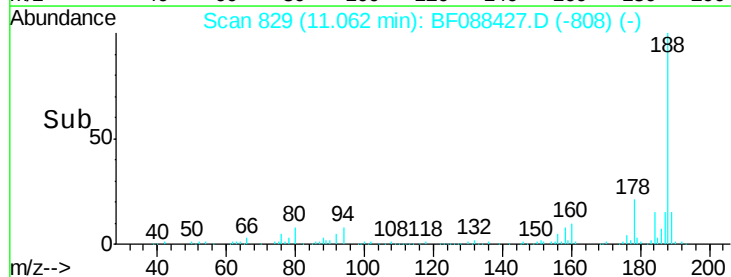
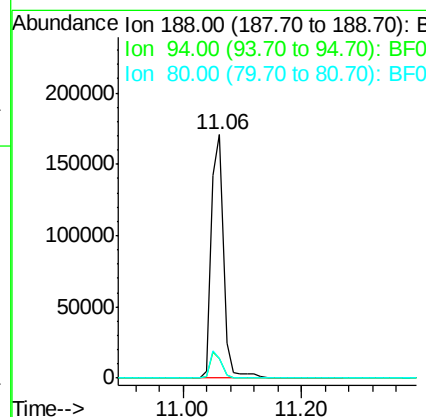
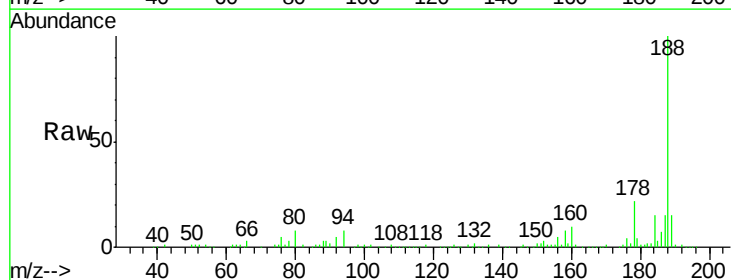
RT: 11.06 min Scan# 829

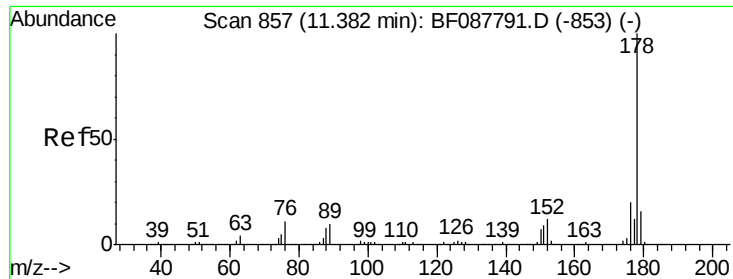
Delta R.T. -0.06 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Tgt Ion:	188	Resp:	246912
Ion Ratio	Lower	Upper	
188	100		
94	8.2	9.0	13.6#
80	8.3	10.0	15.0#





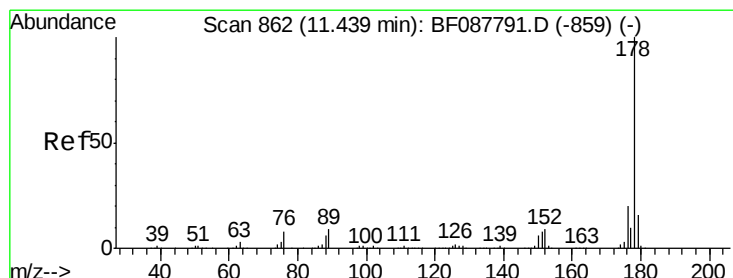
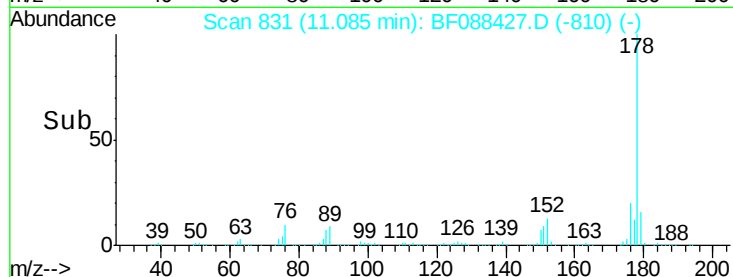
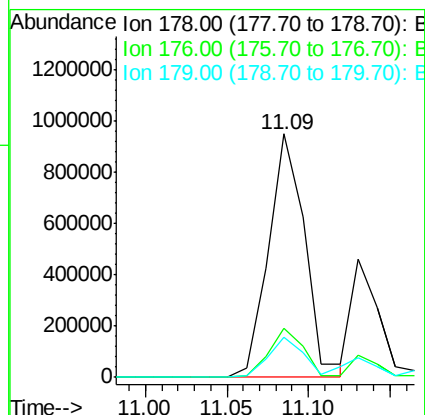
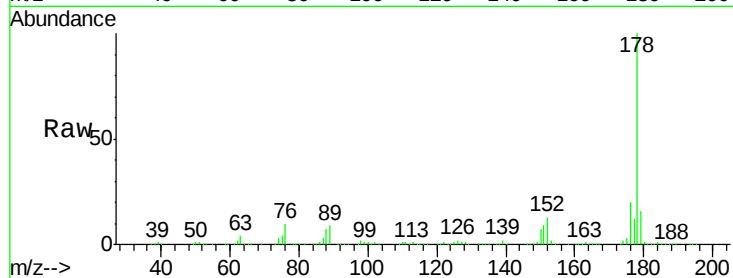
#70
Phenanthrene
Concen: 113.42 ng
RT: 11.09 min Scan# 831
Delta R.T. -0.06 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion:178 Resp: 1469551
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.6
179 16.3 13.0 19.4

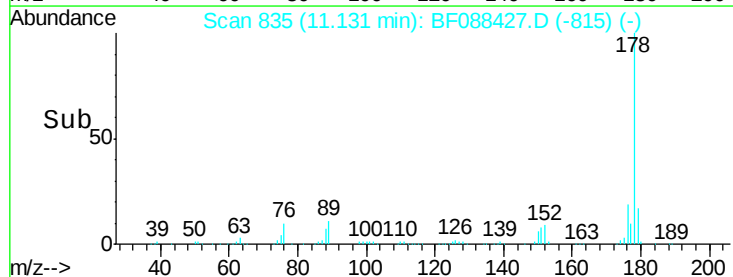
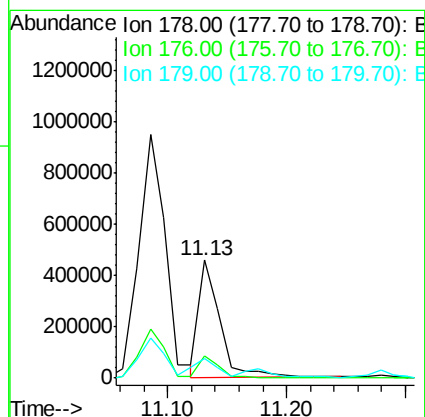
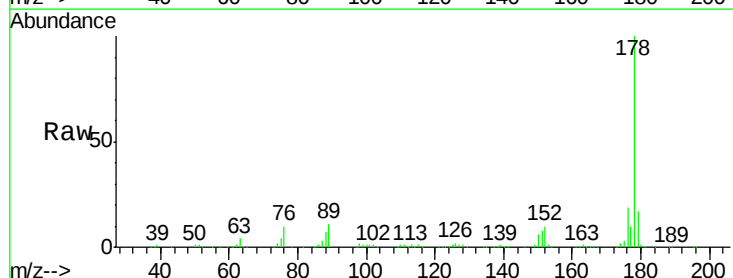
Manual Integrations
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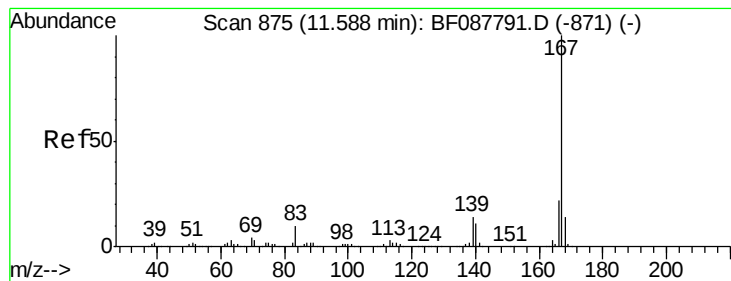
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#71
Anthracene
Concen: 44.01 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.07 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Tgt Ion:178 Resp: 575198
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 17.0 12.8 19.2





#72

Carbazole

Concen: 22.00 ng

RT: 11.29 min Scan# 849

Delta R.T. -0.07 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Instrument :

BNA_F

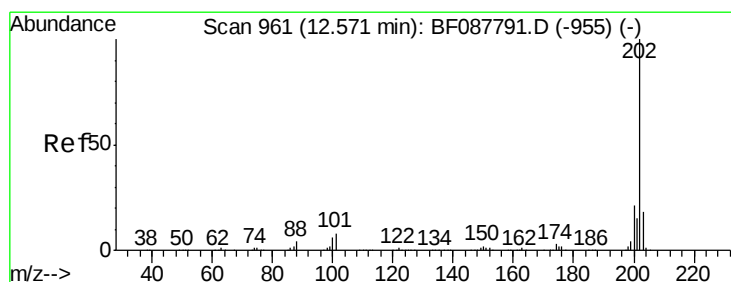
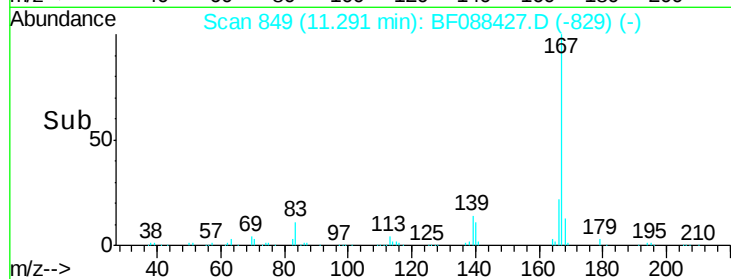
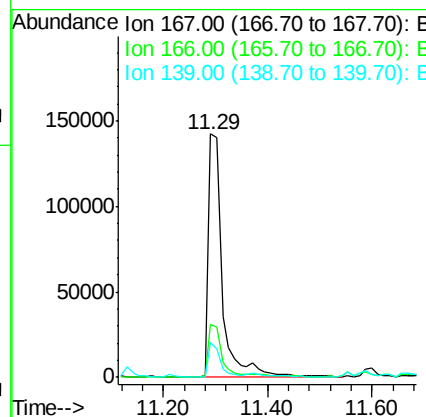
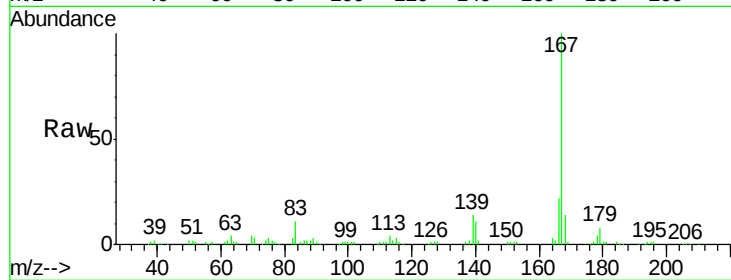
ClientSampleId :

TP-9

Tot Ion:	167	Resp:	269064
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.8	26.6
139	14.3	11.2	16.8

Manual Integrations
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#74

Fluoranthene

Concen: 94.93 ng

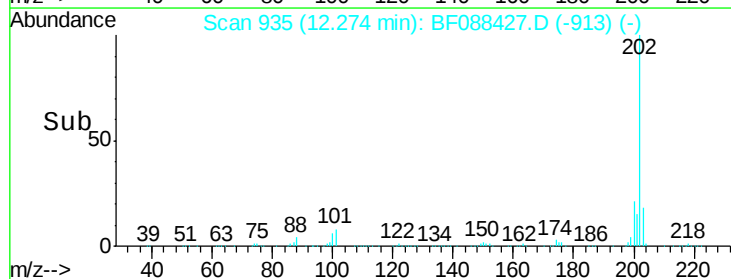
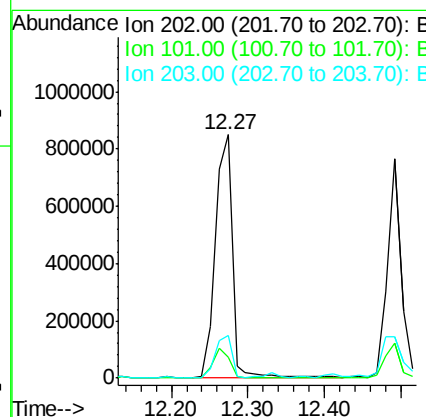
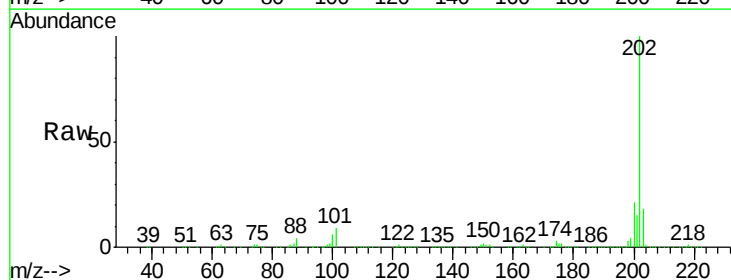
RT: 12.27 min Scan# 935

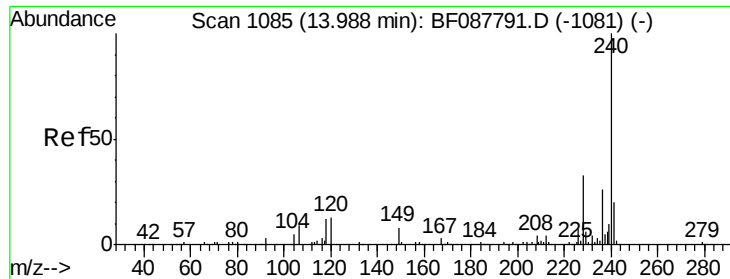
Delta R.T. -0.05 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Tgt Ion:	202	Resp:	1297971
Ion Ratio	Lower	Upper	
202	100		
101	8.6	0.0	33.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.07 min

Lab File: BF088427.D

Acq: 26 Jun 2016 19:26

Instrument :

BNA_F

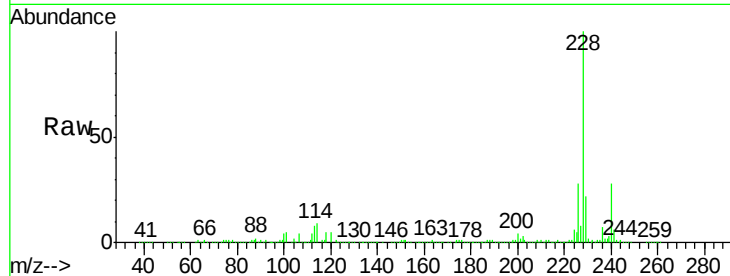
ClientSampleId :

TP-9

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	19.1	6.8	10.2	
236	25.2	20.2	30.2	

Manual Integrations
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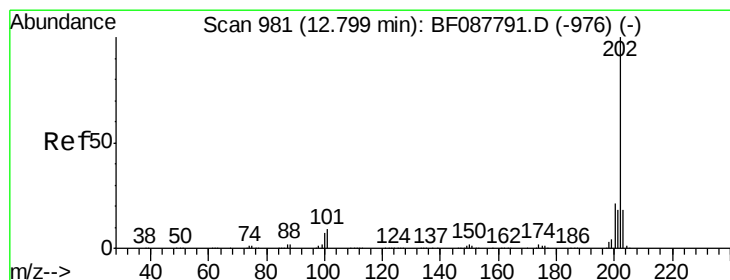
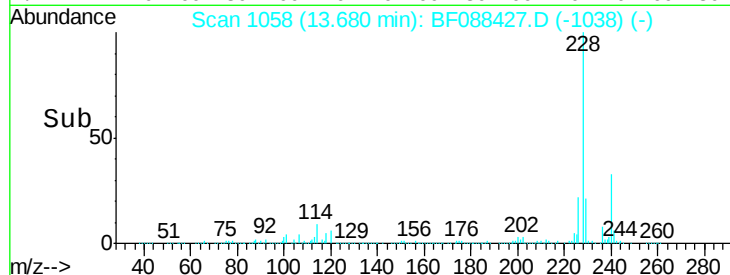
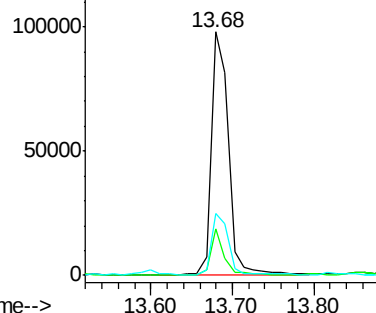
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 88.21 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.06 min

Lab File: BF088427.D

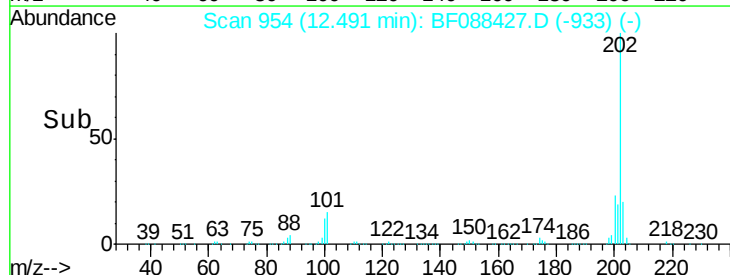
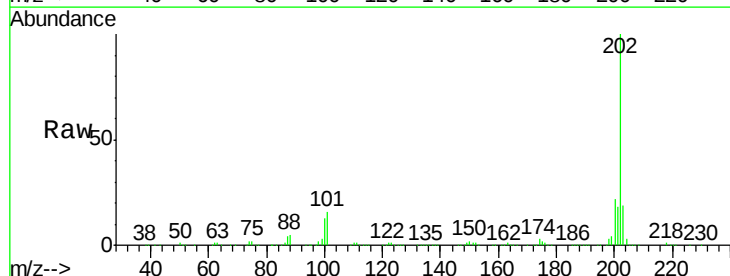
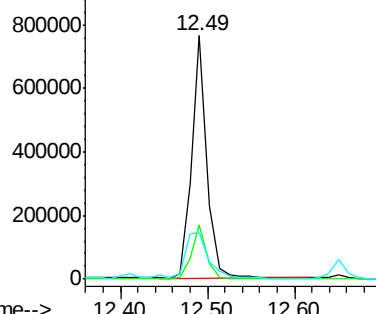
Acq: 26 Jun 2016 19:26

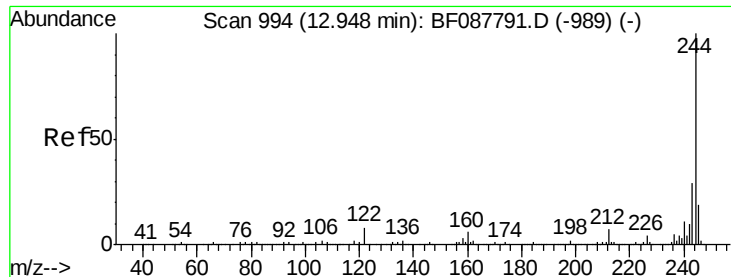
Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	22.2	17.4	26.2	
203	19.1	14.5	21.7	

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





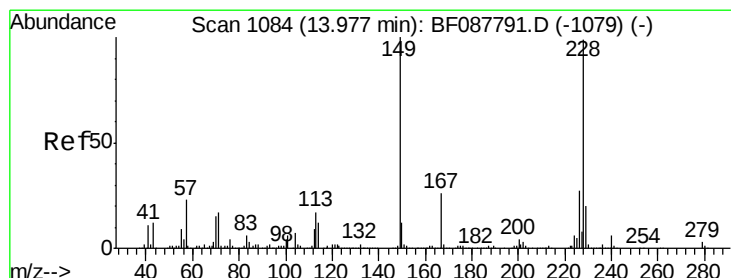
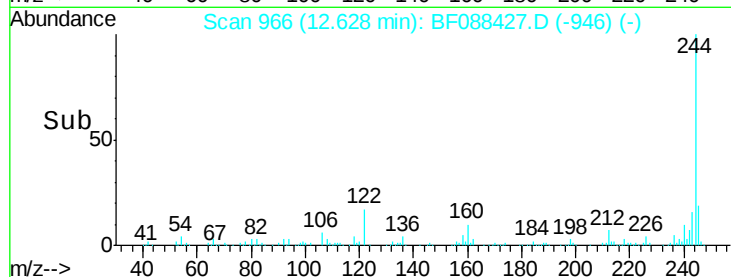
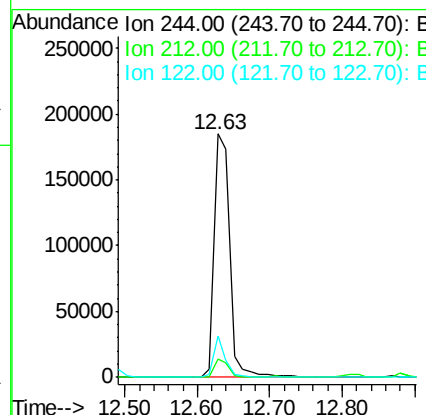
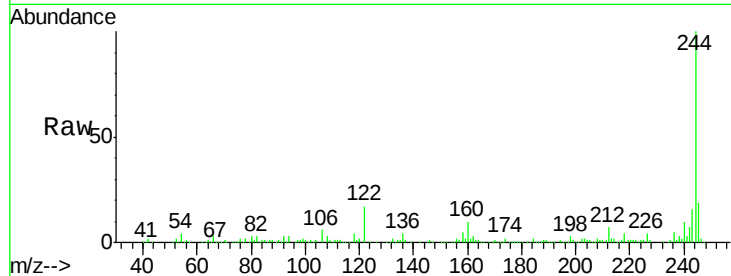
#78
 Terphenyl-d14
 Concen: 43.57 ng
 RT: 12.63 min Scan# 966
 Delta R.T. -0.07 min
 Lab File: BF088427.D
 Acq: 26 Jun 2016 19:26

Instrument :
 BNA_F
 ClientSampled :
 TP-9

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	17.1	11.2	16.8

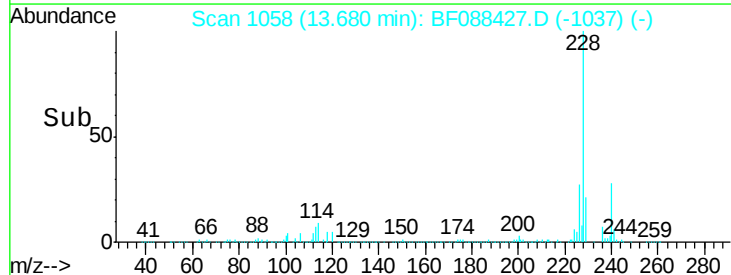
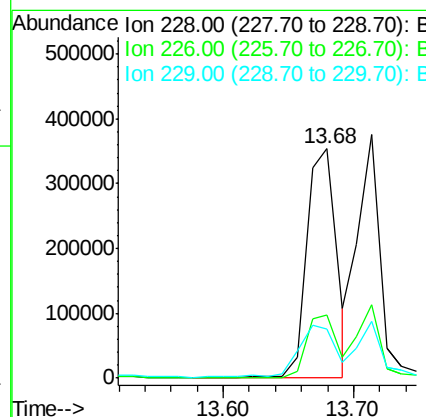
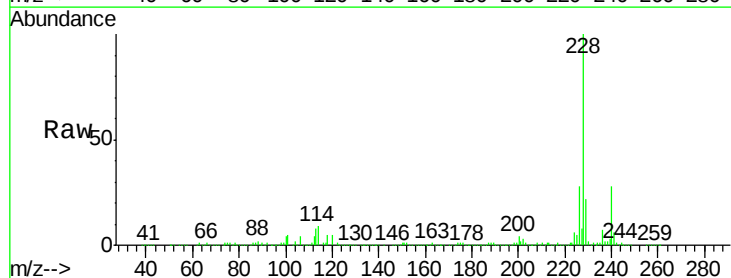
Manual Integrations
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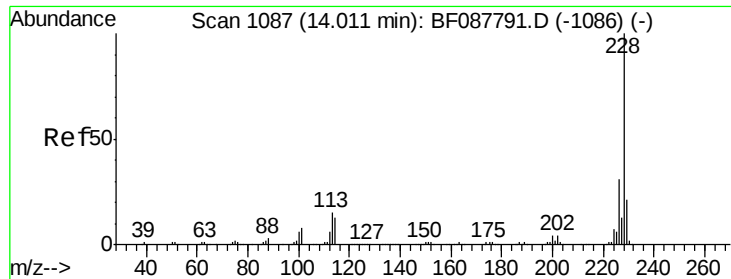
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#80
 Benzo(a)anthracene
 Concen: 68.73 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. -0.06 min
 Lab File: BF088427.D
 Acq: 26 Jun 2016 19:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.3	33.5
229	21.5	16.0	24.0





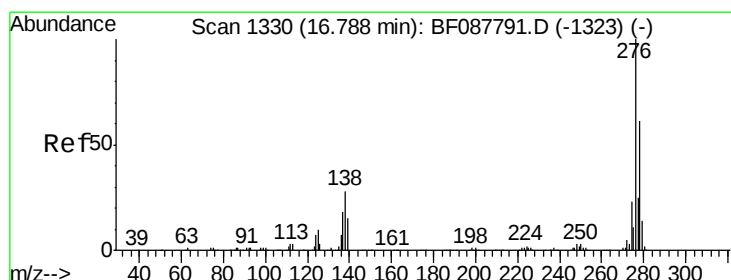
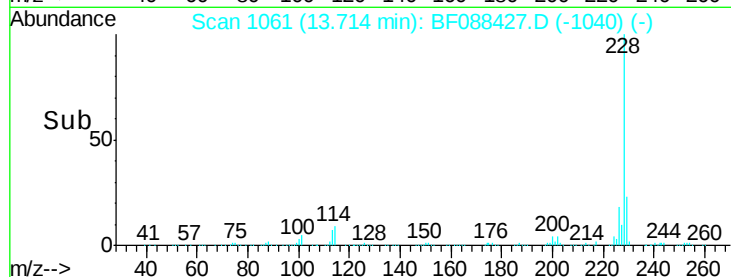
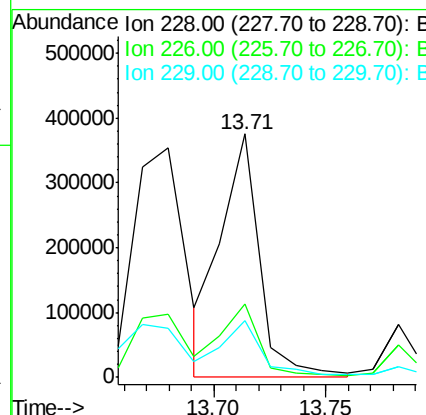
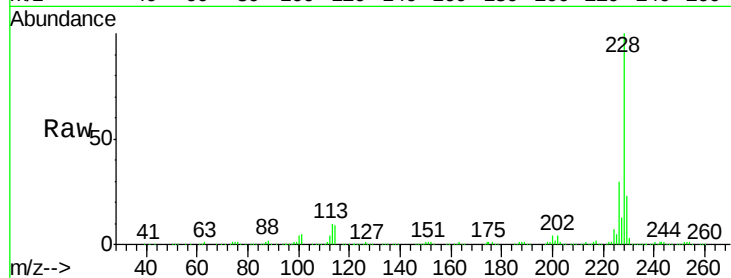
#82
Chrysene
Concen: 59.11 ng/ml
RT: 13.71 min Scan# 1061
Delta R.T. -0.06 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Instrument :
BNA_F
ClientSampled :
TP-9

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.2
229	23.1	16.3	24.5

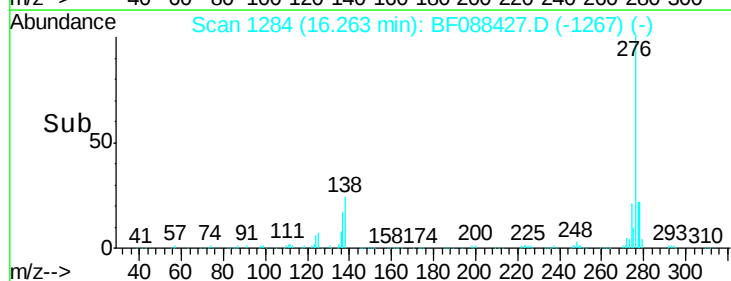
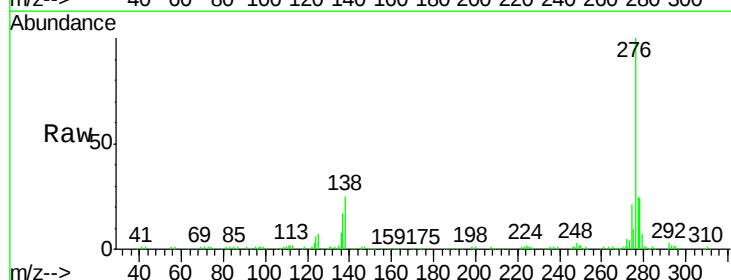
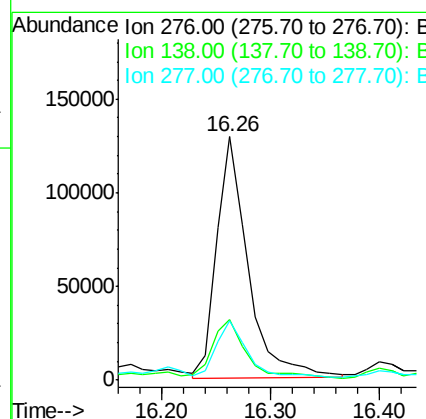
Manual Integrations
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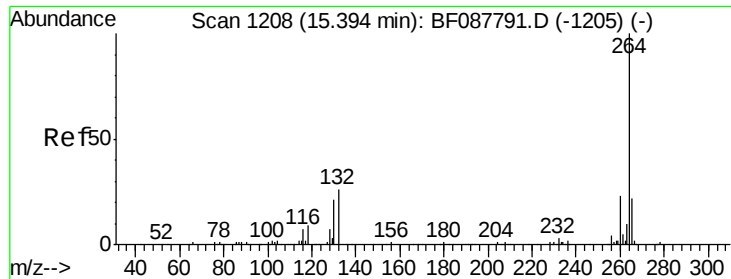
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#85
Indeno(1,2,3-cd)pyrene
Concen: 36.32 ng/ml
RT: 16.26 min Scan# 1284
Delta R.T. -0.10 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.1	0.0	0.0#
277	22.7	0.0	0.0#





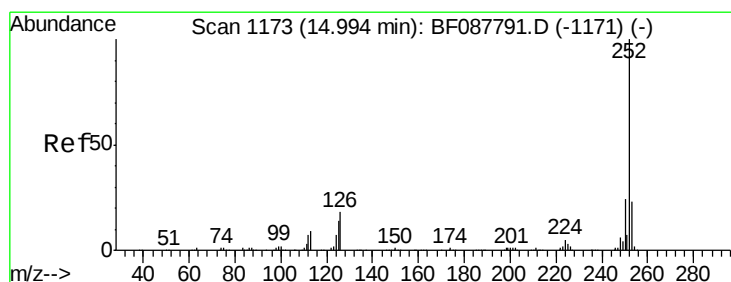
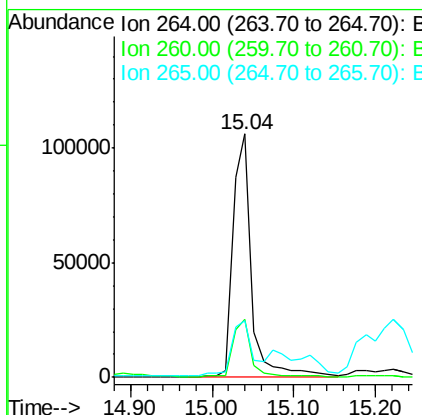
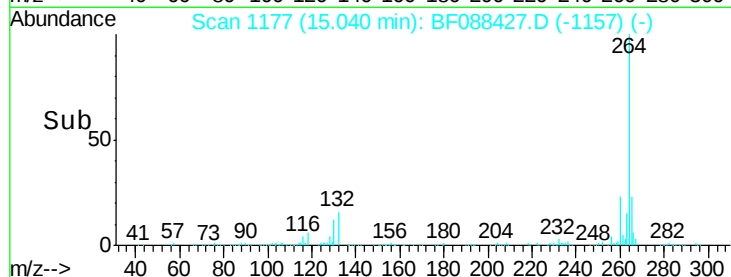
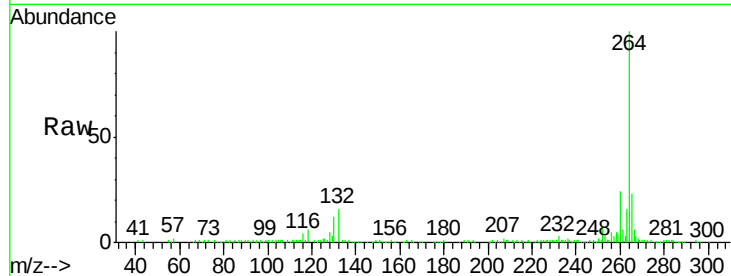
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.07 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Instrument :
BNA_F
ClientSampled :
TP-9

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	23.5	16.9	25.3

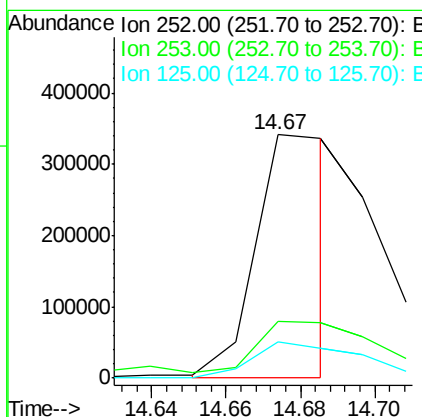
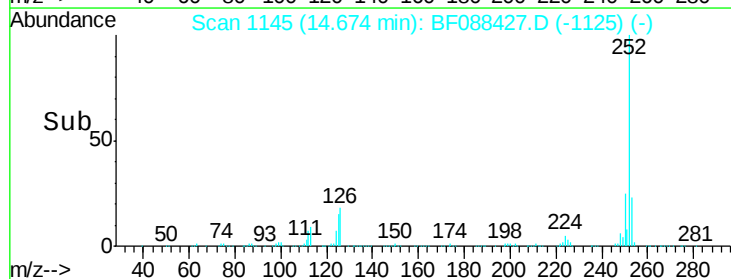
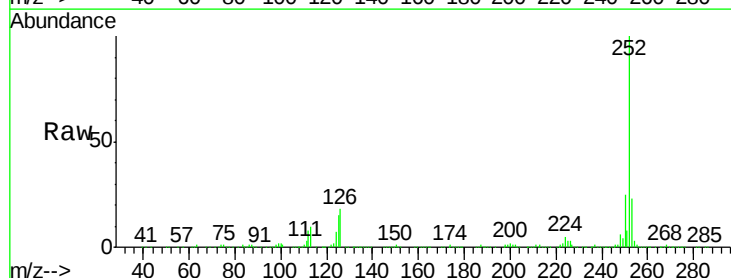
Manual Integrations
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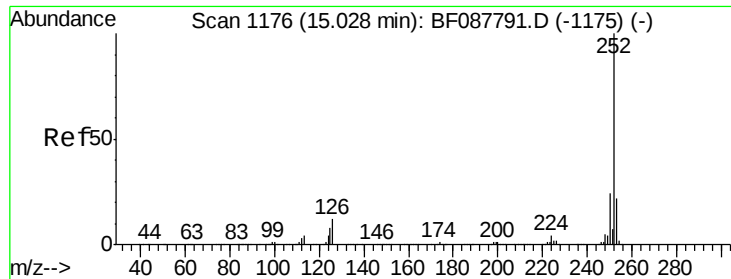
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#87
Benzo(b)fluoranthene
Concen: 43.41 ng m
RT: 14.67 min Scan# 1145
Delta R.T. -0.07 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	14.9	7.1	10.7#





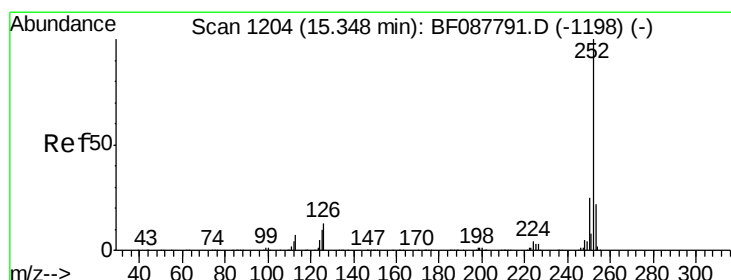
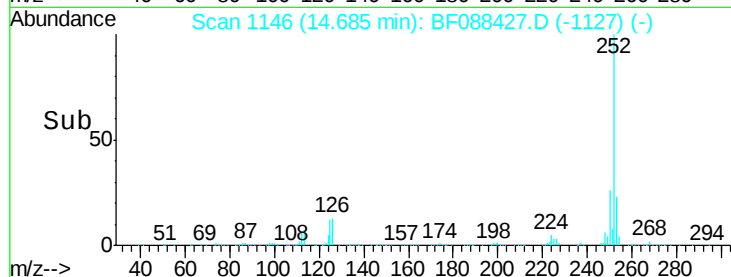
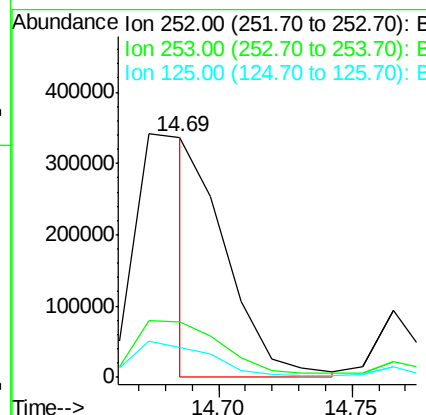
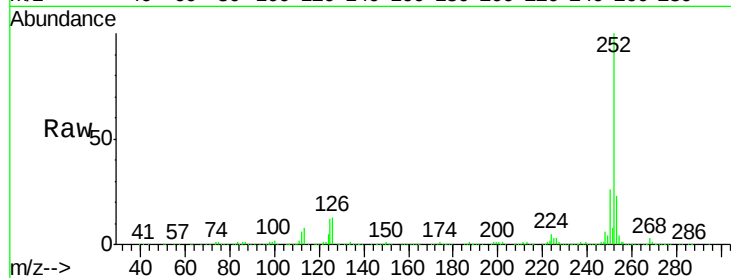
#88
Benzo(k)fluoranthene
Concen: 32.31 ng m
RT: 14.69 min Scan# 1146
Delta R.T. -0.08 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.3	11.2	16.8

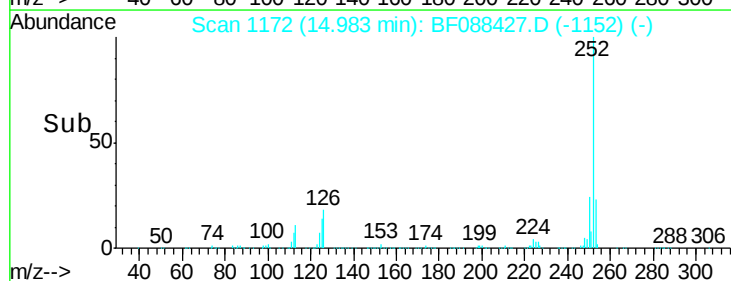
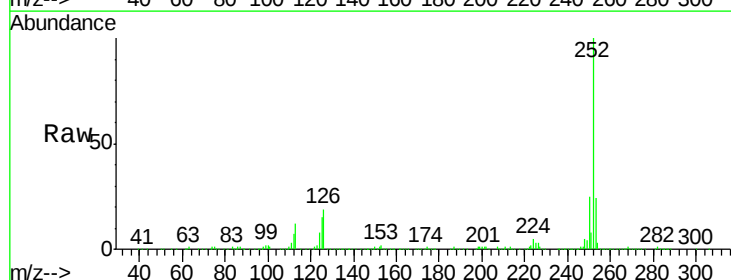
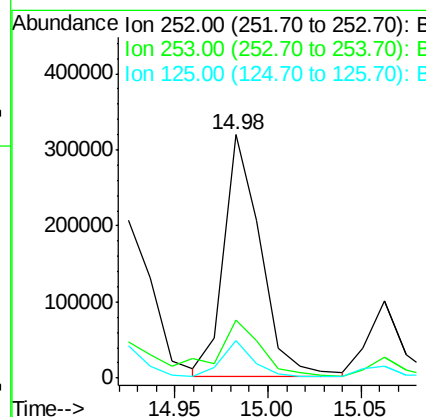
Manual Integrations
APPROVED

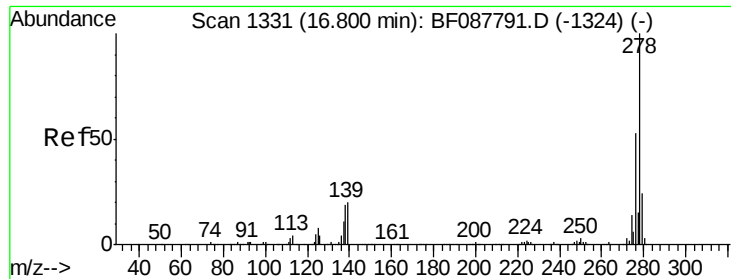
sohil
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#89
Benzo(a)pyrene
Concen: 46.80 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.07 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	15.2	12.5	18.7





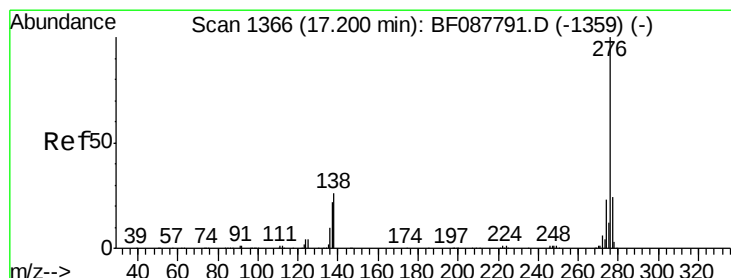
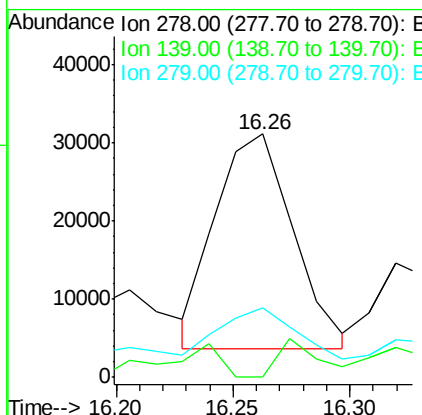
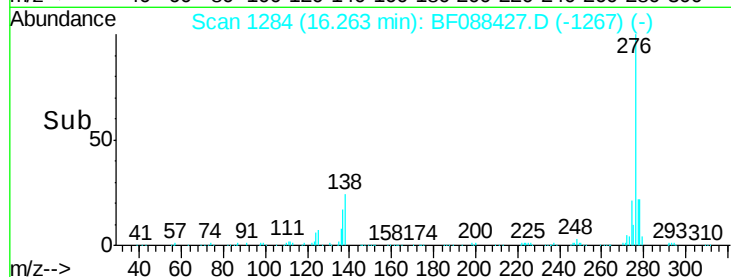
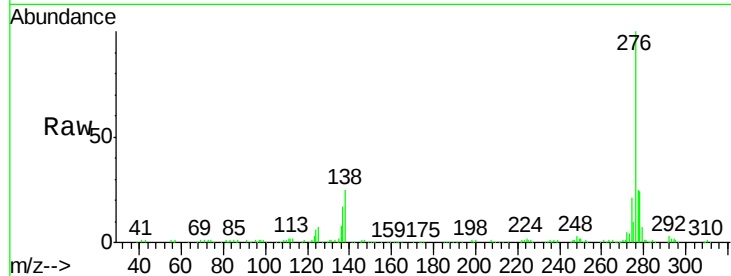
#90
Dibenzo(a,h)anthracene
Concen: 7.30 ng/mL
RT: 16.26 min Scan# 1284
Delta R.T. -0.10 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5
279	28.5	19.4	29.2

Manual Integrations
APPROVED

sohil
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#91
Benzo(g,h,i)perylene
Concen: 25.15 ng/mL
RT: 16.63 min Scan# 1316
Delta R.T. -0.11 min
Lab File: BF088427.D
Acq: 26 Jun 2016 19:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.9	28.3
138	26.2	21.4	32.2

