

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
 Data File : BF081920.D
 Acq On : 1 Oct 2015 00:23
 Operator : UM/IZ
 Sample : G3779-04DL 25X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2-20DL

Manual Integrations
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 10/1/2015 2:23:58 PM

Quant Time: Oct 01 08:24:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 05:20:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	136196m	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	559898	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	249582	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	438610	20.00	ng	0.00
75) Chrysene-d12	14.07	240	338008	20.00	ng	-0.01
86) Perylene-d12	15.53	264	384239	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	25289m	3.37	ng	-0.01
7) Phenol-d6	6.53	99	42153	4.47	ng	-0.01
23) Nitrobenzene-d5	7.47	82	26456	3.15	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	9727	3.85	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	59406	2.39	ng	0.00
78) Terphenyl-d14	13.02	244	41358	1.29	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.22	128	433662	17.48	ng	99
37) 2-Methylnaphthalene	8.90	142	66604	3.93	ng	# 94
51) Acenaphthene	9.98	154	103332	7.19	ng	90
54) Dibenzofuran	10.15	168	150616	7.42	ng	# 90
57) Fluorene	10.49	166	111617	5.83	ng	93
70) Phenanthrene	11.46	178	1102130	52.49	ng	95
71) Anthracene	11.51	178	316478	14.20	ng	98
72) Carbazole	11.67	167	210069	10.41	ng	97
74) Fluoranthene	12.65	202	1016443	43.26	ng	88
77) Pyrene	12.88	202	765460	37.91	ng	96
80) Benzo(a)anthracene	14.07	228	391933m	21.53	ng	
82) Chrysene	14.10	228	306245m	14.83	ng	
85) Indeno(1,2,3-cd)pyrene	16.97	276	222530	15.63	ng	# 83
87) Benzo(b)fluoranthene	15.11	252	412390m	18.80	ng	
88) Benzo(k)fluoranthene	15.12	252	203965m	10.14	ng	
89) Benzo(a)pyrene	15.46	252	297851	15.65	ng	# 87
90) Dibenzo(a,h)anthracene	16.98	278	47990	3.01	ng	# 79
91) Benzo(g,h,i)perylene	17.41	276	202461	12.37	ng	# 76

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

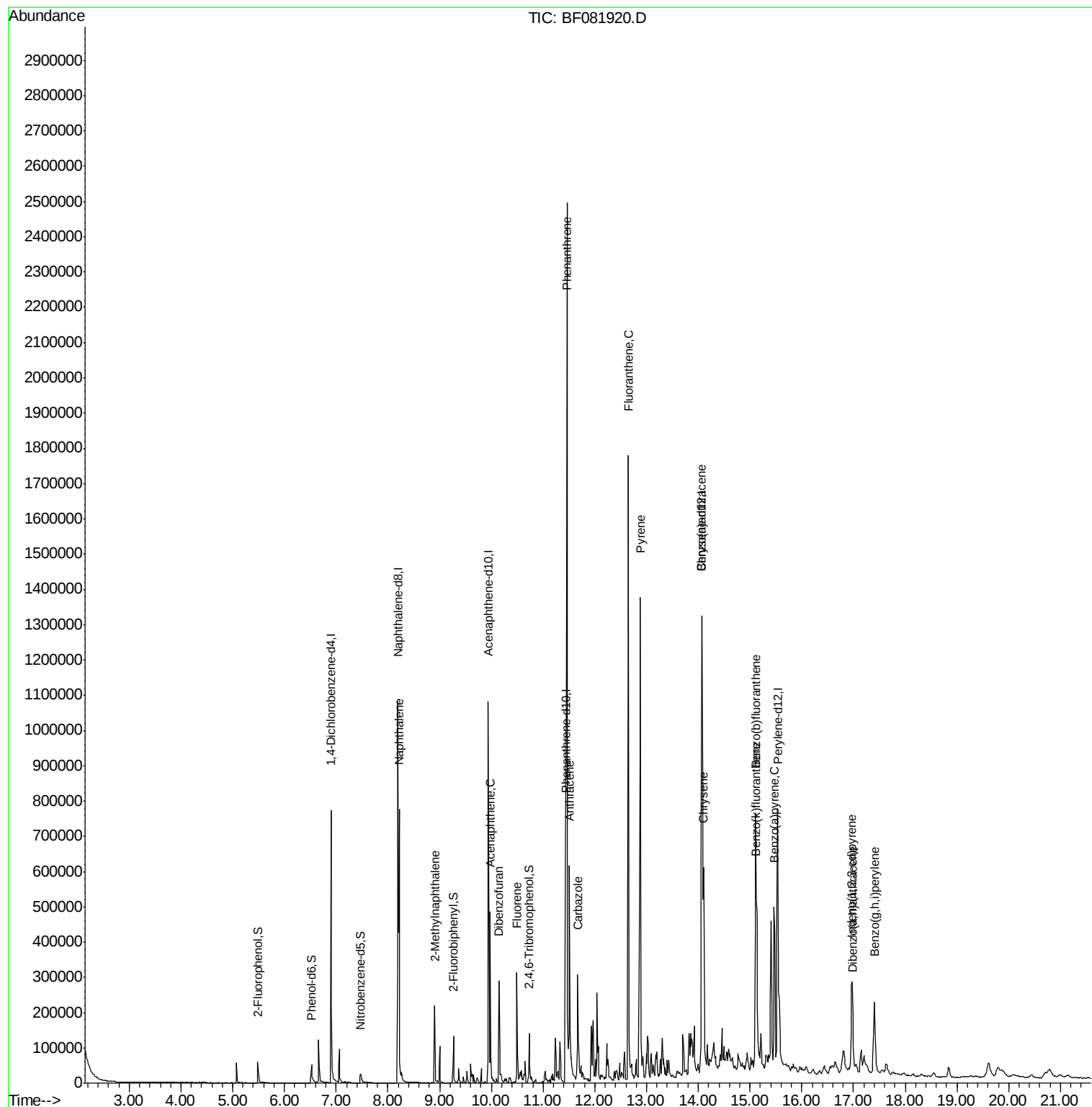
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
Data File : BF081920.D
Acq On : 1 Oct 2015 00:23
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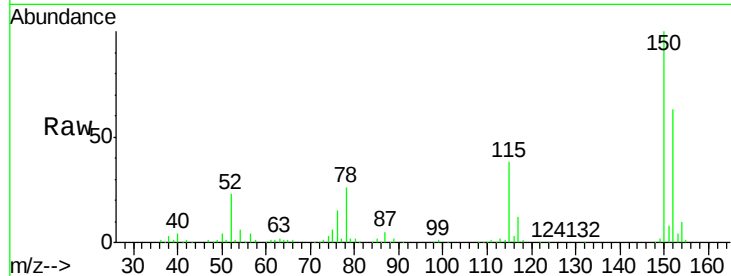
Quant Time: Oct 01 08:24:44 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 05:20:51 2015
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng m
 RT: 6.90 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: BF081920.D
 Acq: 1 Oct 2015 00:23

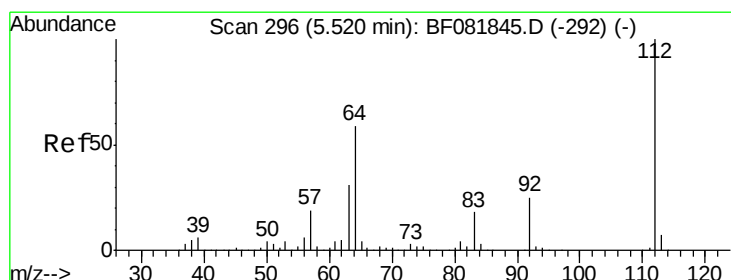
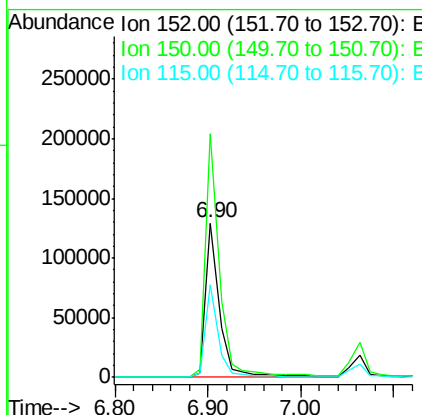
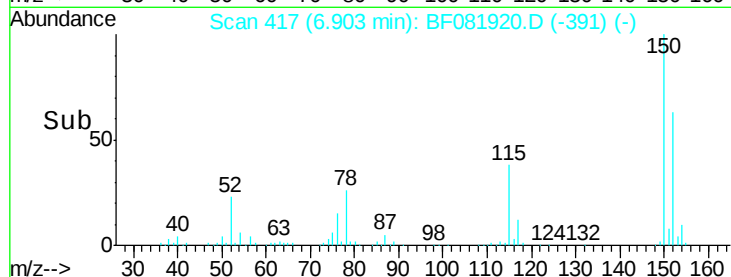
Instrument :
 BNA_F
 ClientSampled :
 S2-20DL



Tgt Ion	Ratio	Resp	Lower	Upper
152	100	136196		
150	157.5	124.7	187.1	
115	59.7	39.0	58.4#	

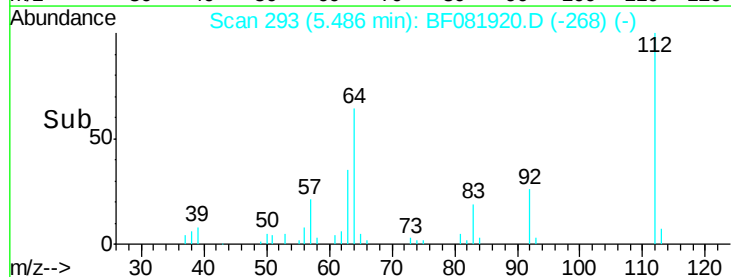
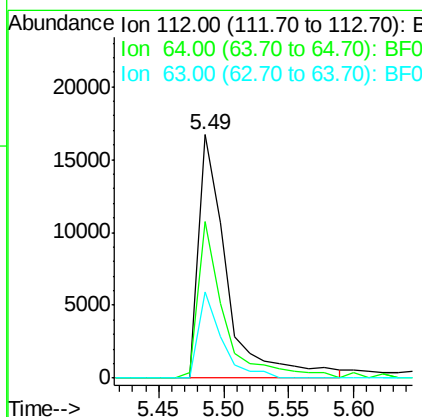
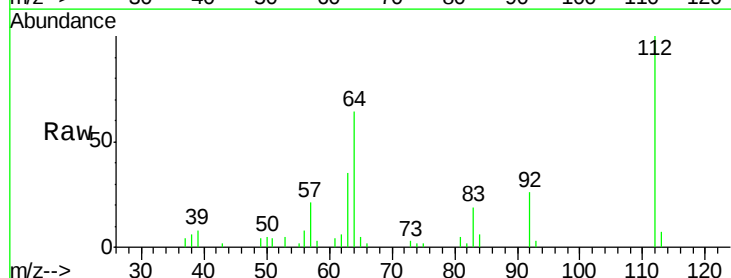
Manual Integrations
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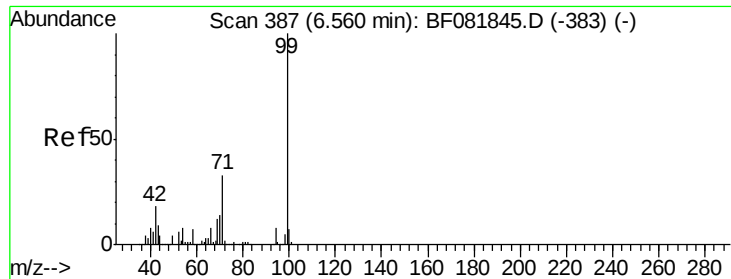
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#5
 2-Fluorophenol
 Concen: 3.37 ng m
 RT: 5.49 min Scan# 293
 Delta R.T. -0.01 min
 Lab File: BF081920.D
 Acq: 1 Oct 2015 00:23

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	25289		
64	64.1	39.7	59.5#	
63	35.4	17.4	26.0#	





#7

Phenol-d6

Concen: 4.47 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF081920.D

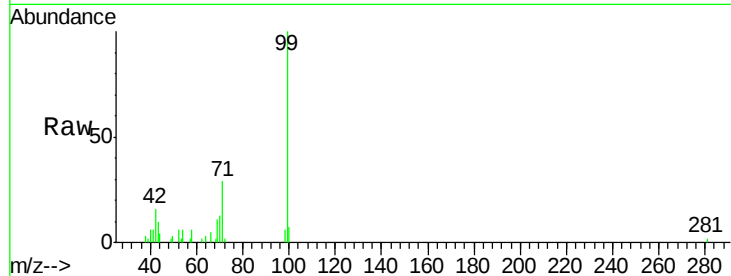
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Instrument :

BNA_F

ClientSampleId :

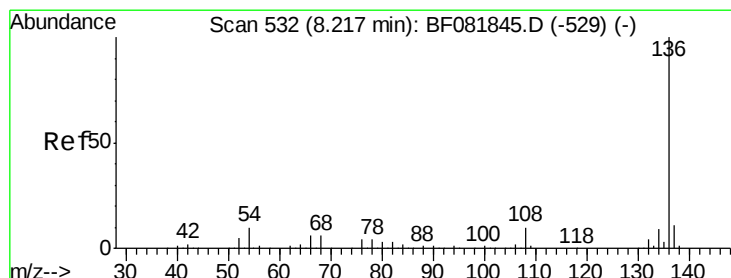
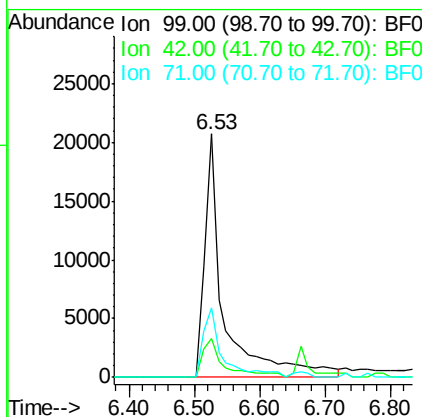
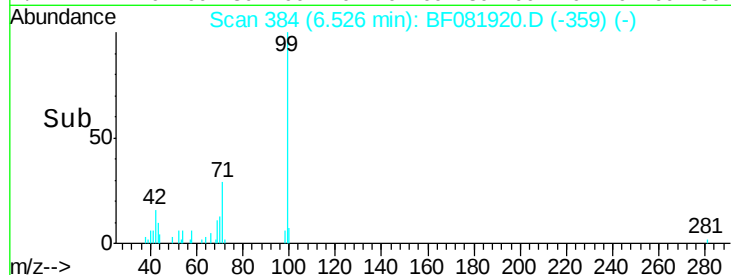
S2-20DL



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		42153		
42	16.1	13.7	20.5		
71	28.7	14.2	21.2#		

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#21

Naphthalene-d8

Concen: 20.00 ng

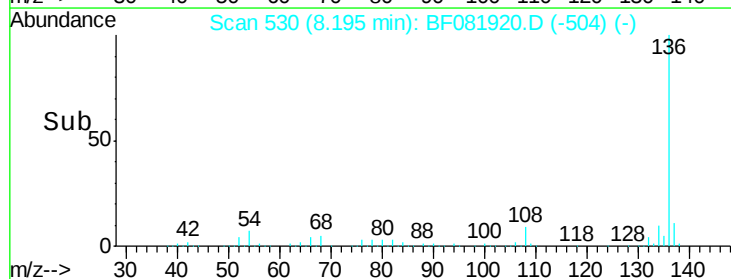
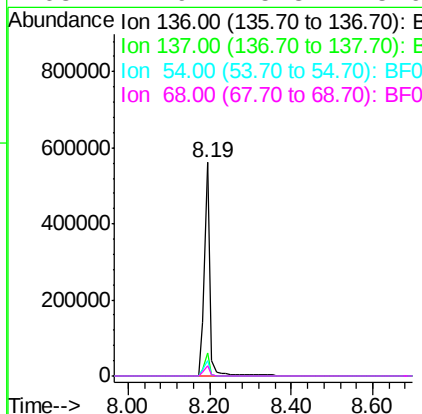
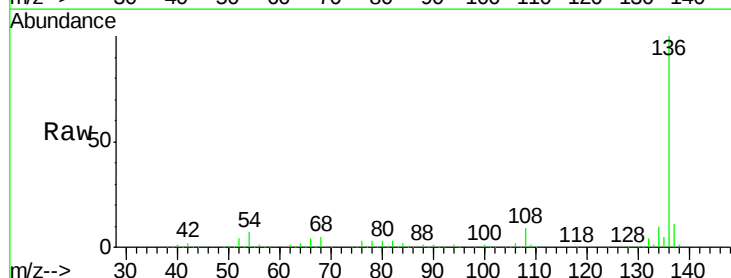
RT: 8.19 min Scan# 530

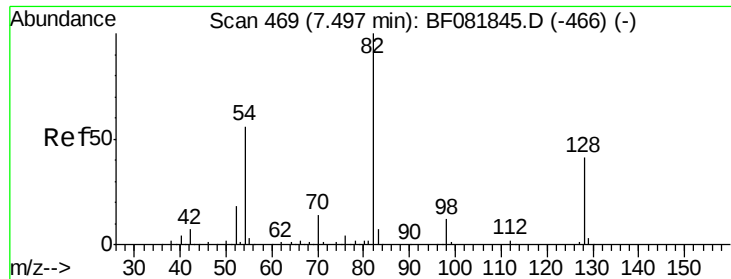
Delta R.T. 0.00 min

Lab File: BF081920.D

Acq: 1 Oct 2015 00:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		559898		
137	10.9	9.0	13.6		
54	7.1	8.2	12.2#		
68	4.9	5.8	8.6#		





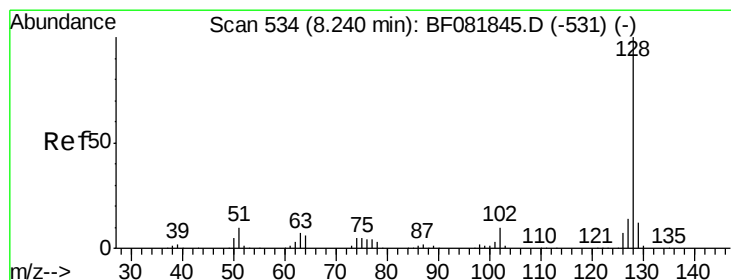
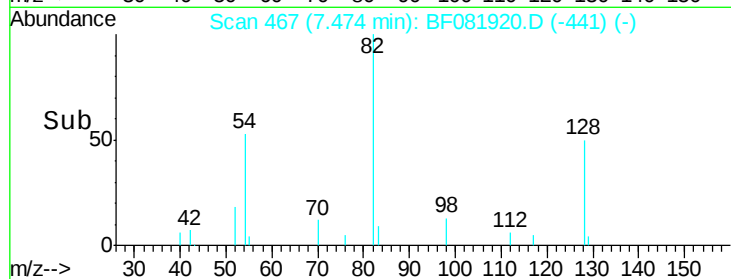
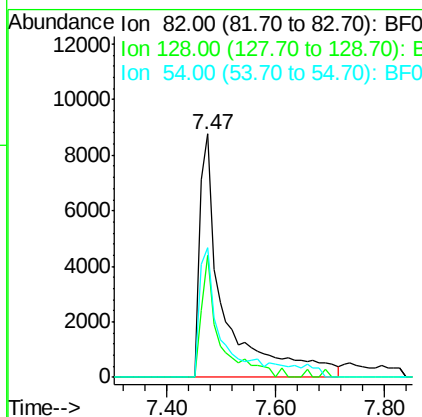
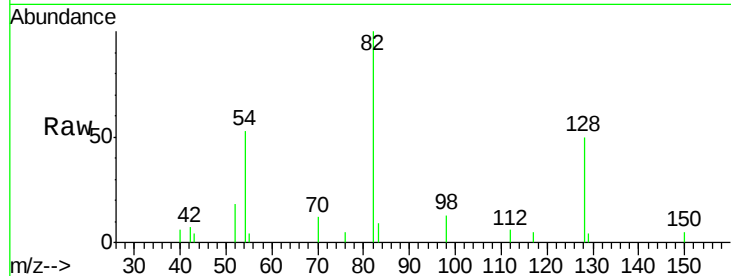
#23
Nitrobenzene-d5
Concen: 3.15 ng
RT: 7.47 min Scan# 467
Delta R.T. 0.00 min
Lab File: BF081920.D
Acq: 1 Oct 2015 00:23

Instrument :
BNA_F
ClientSampleId :
S2-20DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.9	51.0	76.6#
54	53.1	47.5	71.3

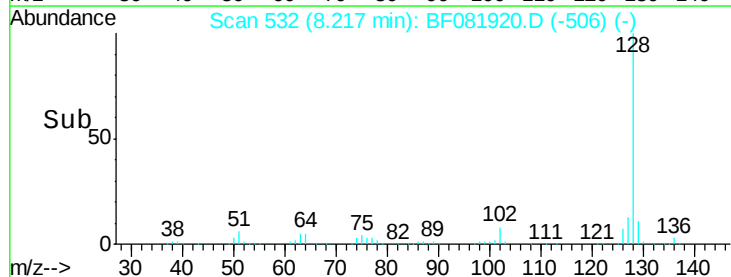
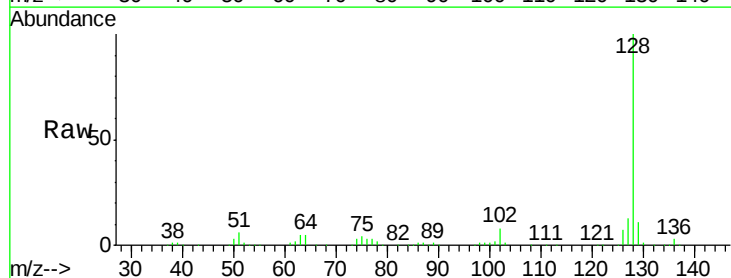
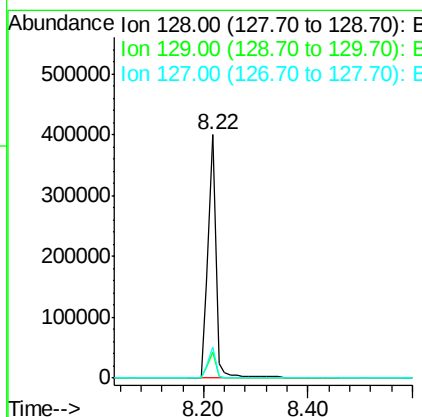
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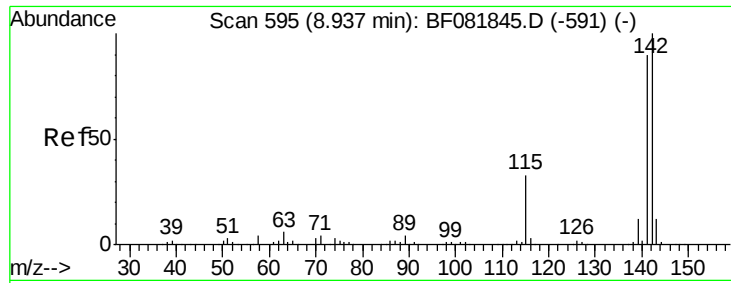
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#31
Naphthalene
Concen: 17.48 ng
RT: 8.22 min Scan# 532
Delta R.T. 0.00 min
Lab File: BF081920.D
Acq: 1 Oct 2015 00:23

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.4	12.6
127	12.8	9.9	14.9





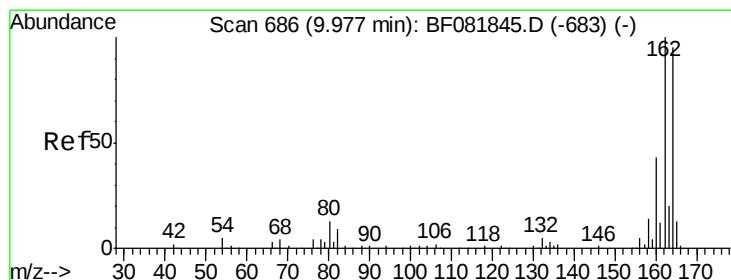
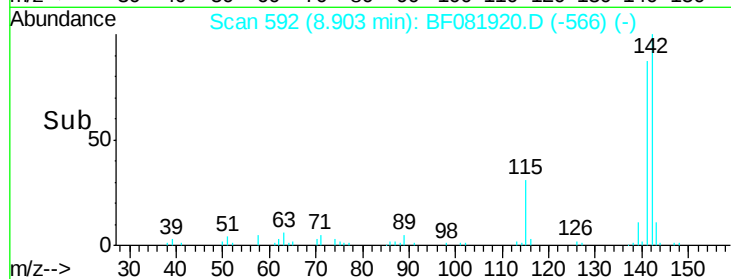
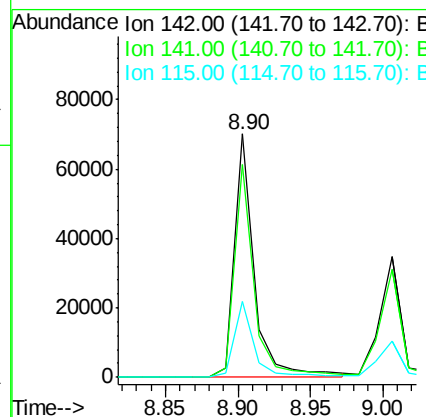
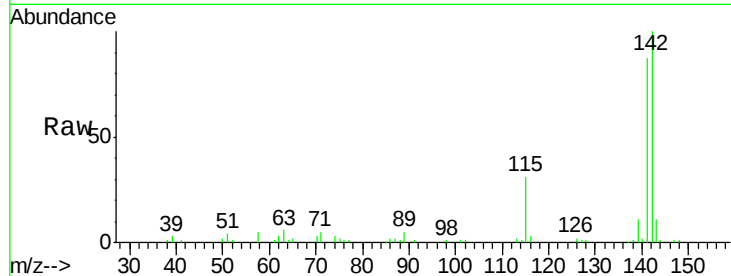
#37
2-Methylnaphthalene
Concen: 3.93 ng
RT: 8.90 min Scan# 592
Delta R.T. 0.00 min
Lab File: BF081920.D
Acq: 1 Oct 2015 00:23

Instrument :
BNA_F
ClientSampleId :
S2-20DL

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	66604		
141	87.3	67.5	101.3	
115	31.1	18.2	27.2#	

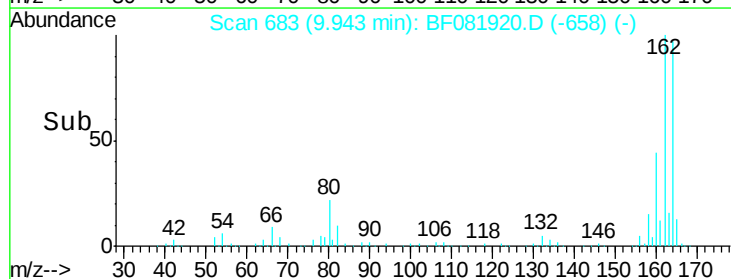
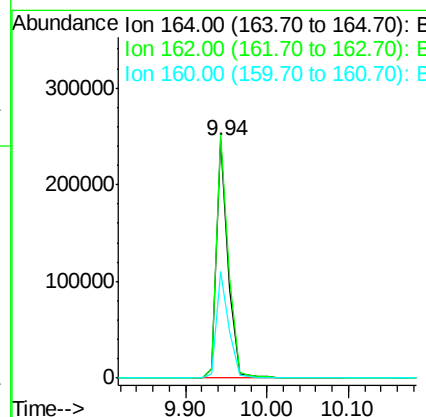
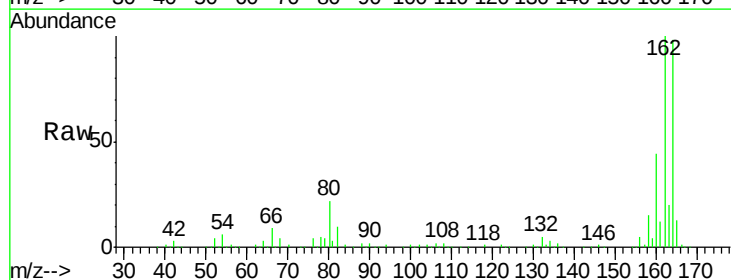
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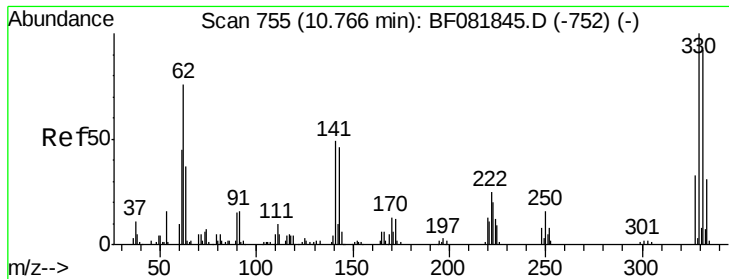
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF081920.D
Acq: 1 Oct 2015 00:23

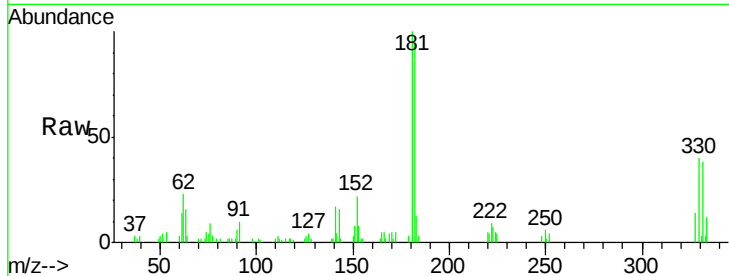
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	249582		
162	102.2	75.2	112.8	
160	44.8	31.5	47.3	





#41
 2,4,6-Tribromophenol
 Concen: 3.85 ng
 RT: 10.73 min Scan# 752
 Delta R.T. -0.01 min
 Lab File: BF081920.D
 Acq: 1 Oct 2015 00:23

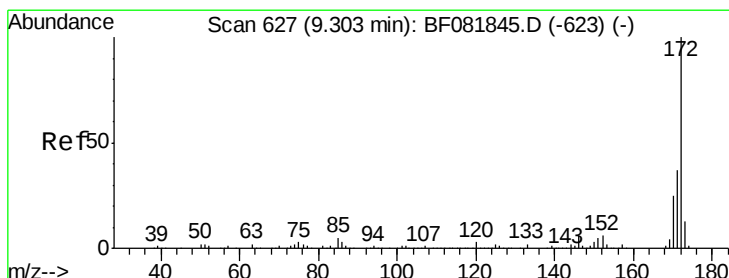
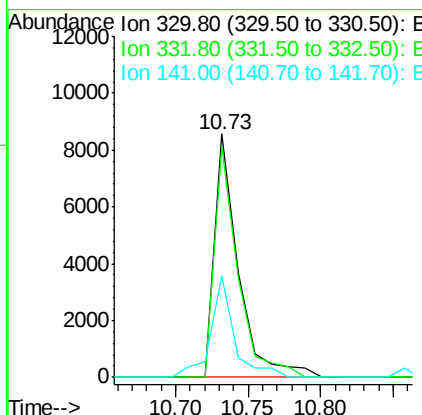
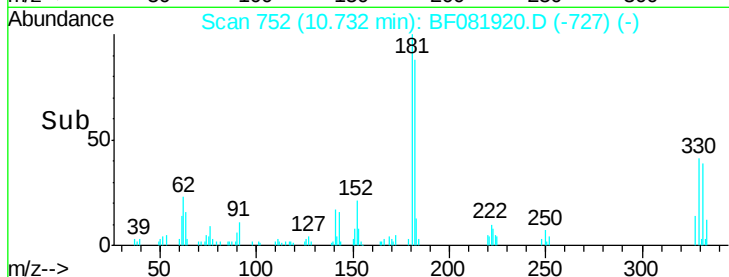
Instrument :
 BNA_F
 ClientSampleId :
 S2-20DL



Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.4	76.6	114.8
141	41.6	29.7	44.5

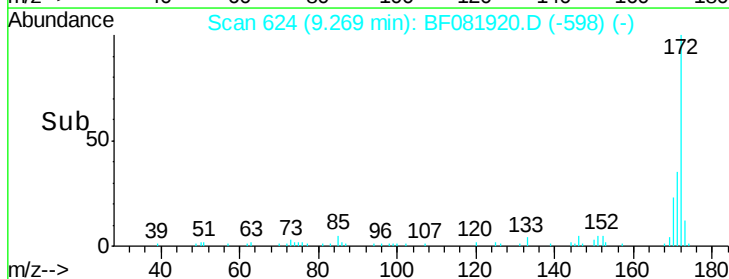
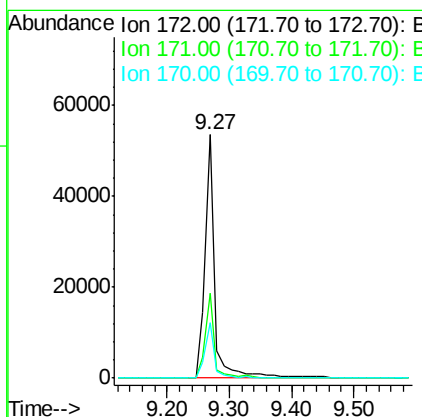
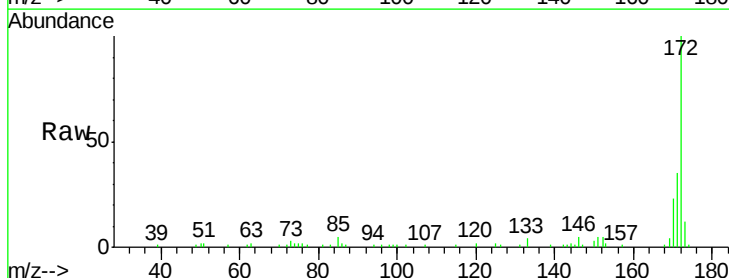
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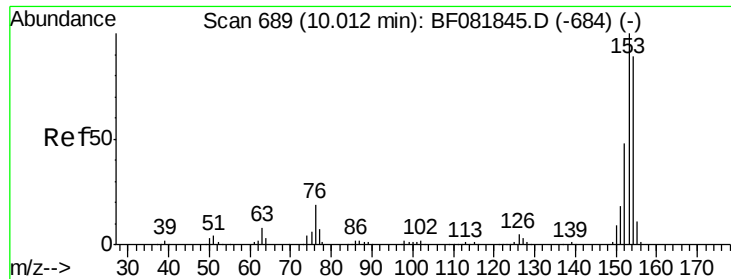
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#44
 2-Fluorobiphenyl
 Concen: 2.39 ng
 RT: 9.27 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF081920.D
 Acq: 1 Oct 2015 00:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	26.1	39.1
170	22.7	17.4	26.2





#51

Acenaphthene

Concen: 7.19 ng

RT: 9.98 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF081920.D

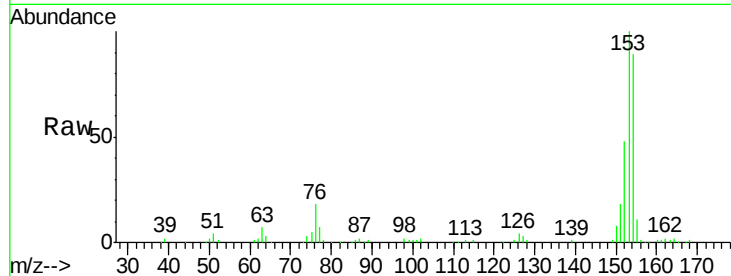
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Instrument :

BNA_F

ClientSampleId :

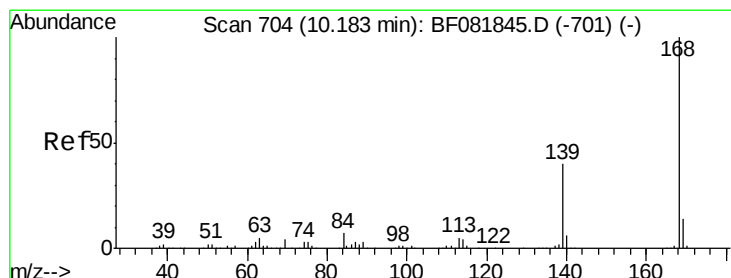
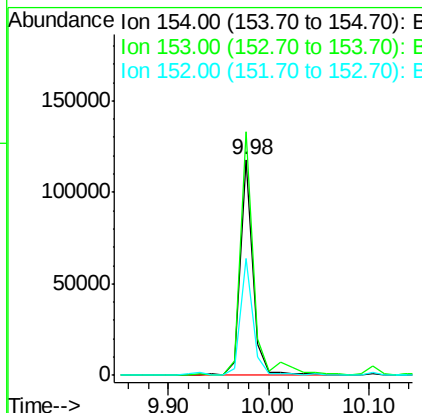
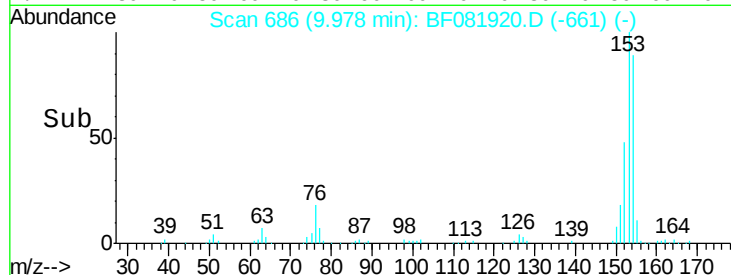
S2-20DL



Tgt Ion:	154	Resp:	103332
Ion Ratio	Lower	Upper	
154	100		
153	112.7	82.1	123.1
152	54.2	37.9	56.9

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#54

Dibenzofuran

Concen: 7.42 ng

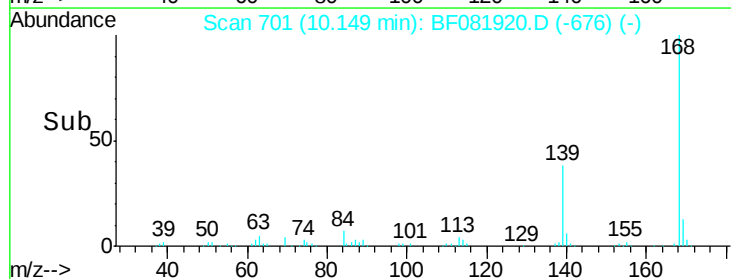
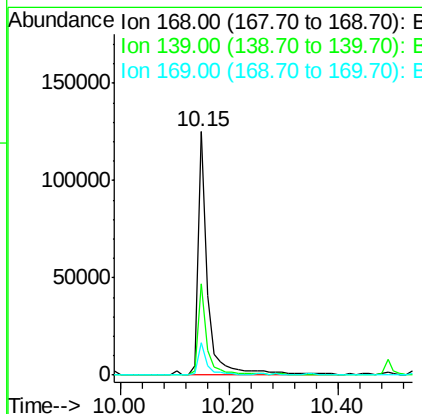
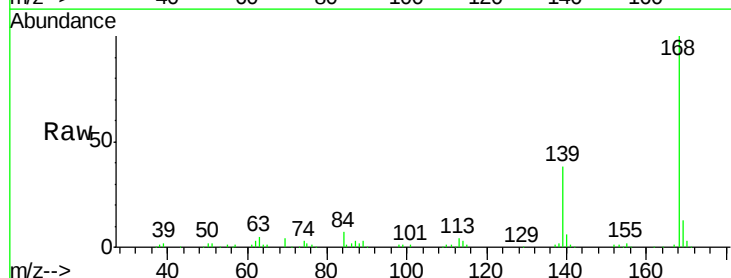
RT: 10.15 min Scan# 701

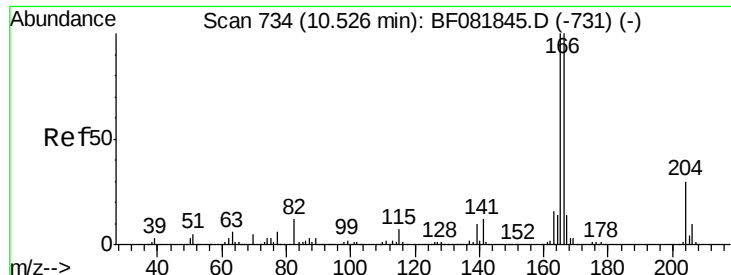
Delta R.T. -0.01 min

Lab File: BF081920.D

Acq: 1 Oct 2015 00:23

Tgt Ion:	168	Resp:	150616
Ion Ratio	Lower	Upper	
168	100		
139	37.7	24.2	36.2#
169	13.5	10.6	15.8





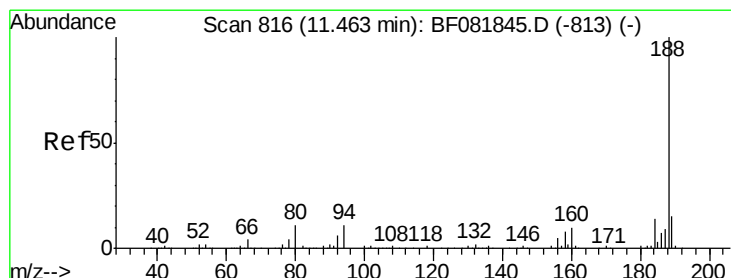
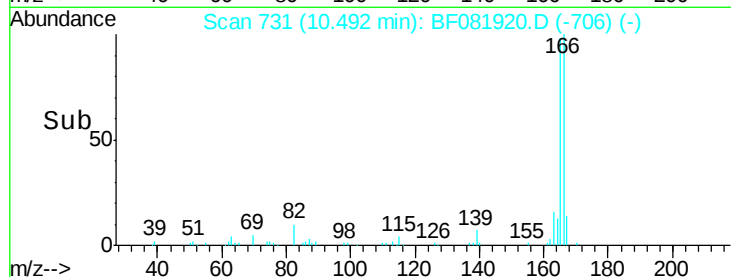
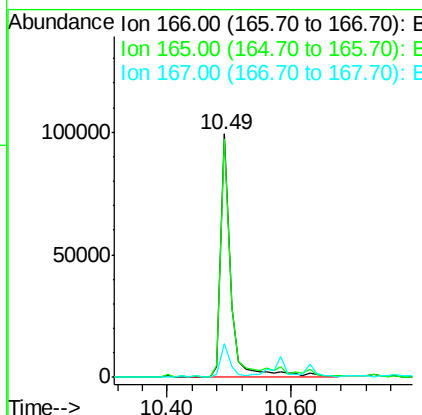
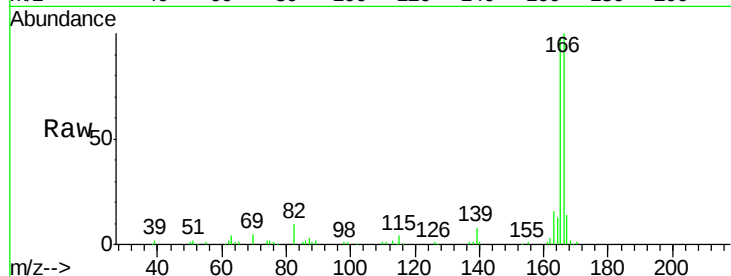
#57
Fluorene
 Concen: 5.83 ng
 RT: 10.49 min Scan# 731
 Delta R.T. -0.01 min
 Lab File: BF081920.D
 Acq: 1 Oct 2015 00:23

Instrument :
 BNA_F
 ClientSampled :
 S2-20DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	111617		
165	97.9	72.6	109.0	
167	13.7	10.6	16.0	

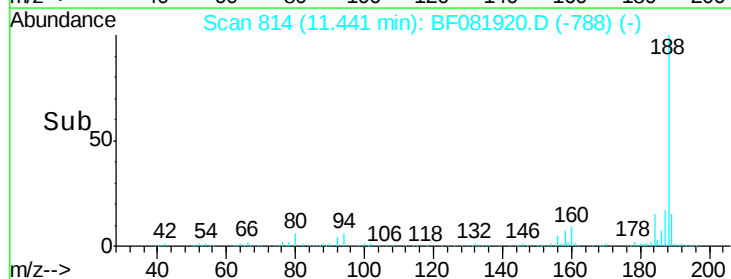
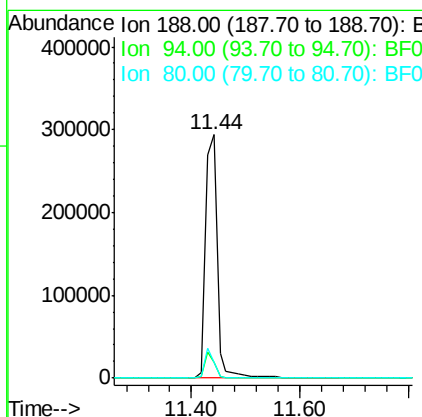
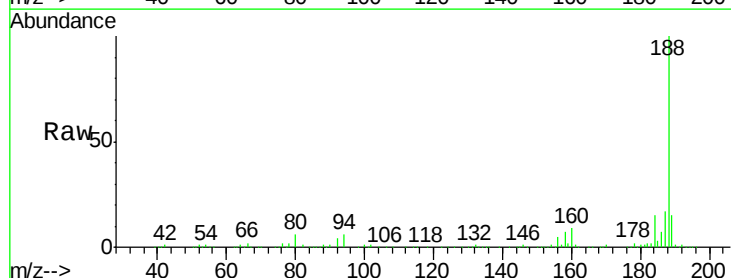
Manual Integrations
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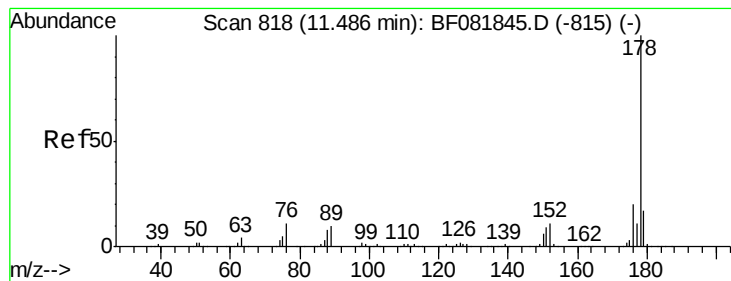
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF081920.D
 Acq: 1 Oct 2015 00:23

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	438610		
94	6.3	11.1	16.7#	
80	6.5	11.0	16.4#	





#70

Phenanthrene

Concen: 52.49 ng

RT: 11.46 min Scan# 816

Delta R.T. 0.00 min

Lab File: BF081920.D

Acq: 1 Oct 2015 00:23

Instrument :

BNA_F

ClientSampled :

S2-20DL

Tgt Ion:178 Resp: 1102130

Ion Ratio Lower Upper

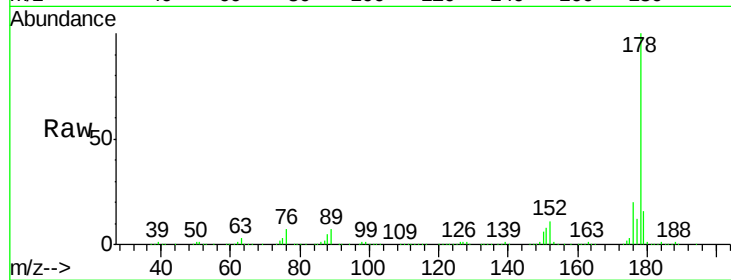
178 100

176 20.5 13.8 20.8

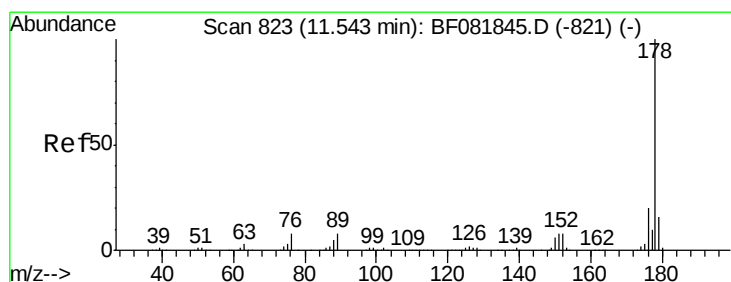
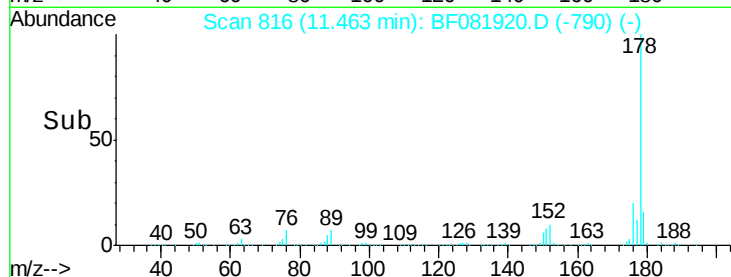
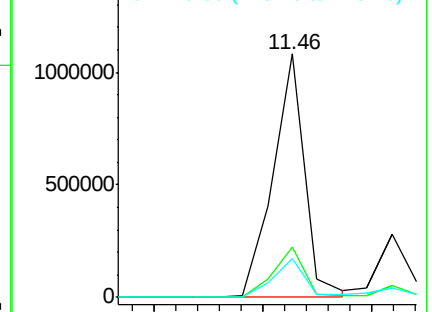
179 16.0 12.2 18.2

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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



#71

Anthracene

Concen: 14.20 ng

RT: 11.51 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF081920.D

Acq: 1 Oct 2015 00:23

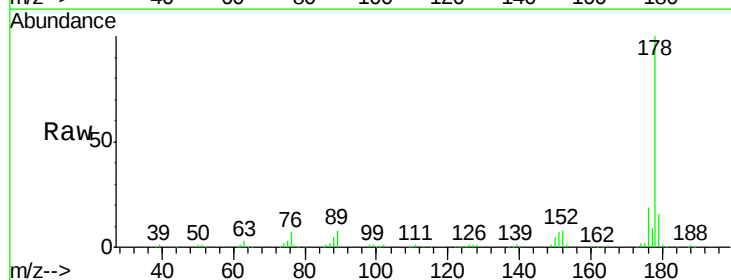
Tgt Ion:178 Resp: 316478

Ion Ratio Lower Upper

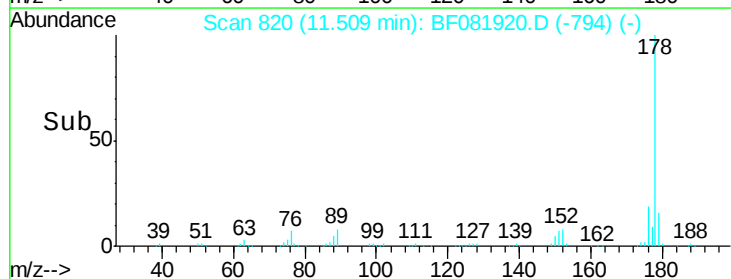
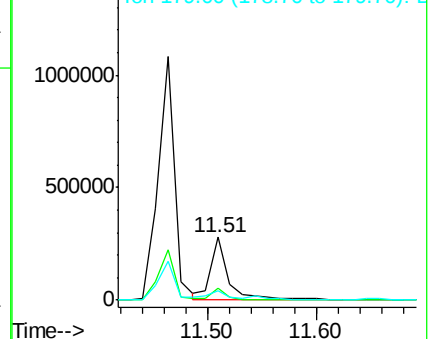
178 100

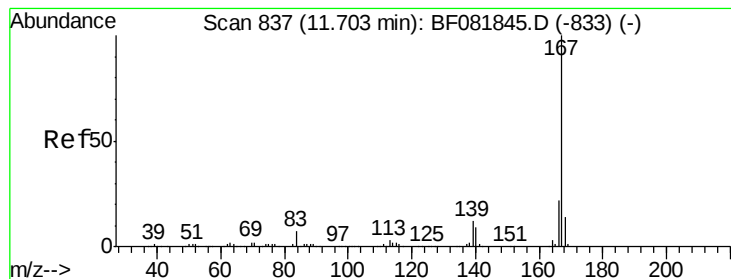
176 18.7 14.1 21.1

179 15.7 12.2 18.2



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





#72

Carbazole

Concen: 10.41 ng

RT: 11.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF081920.D

Acq: 1 Oct 2015 00:23

Instrument :

BNA_F

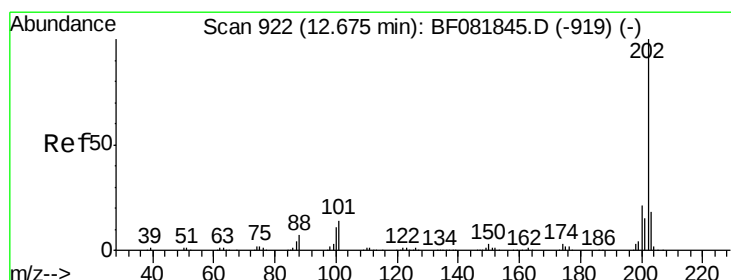
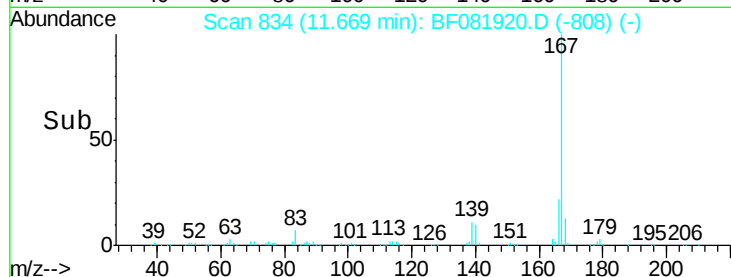
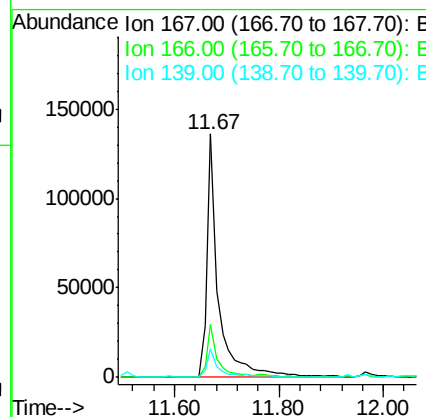
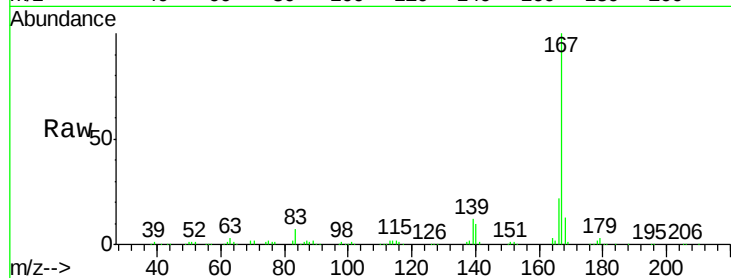
ClientSampleId :

S2-20DL

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Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	15.7	23.5
139	11.6	9.5	14.3



#74

Fluoranthene

Concen: 43.26 ng

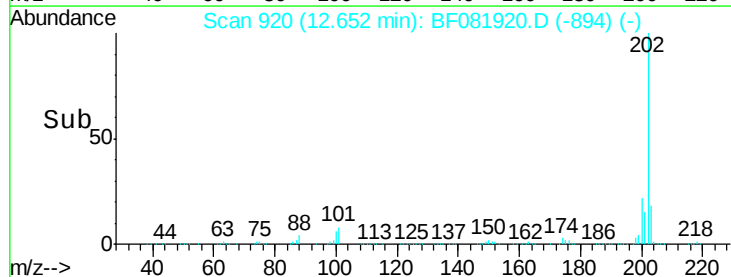
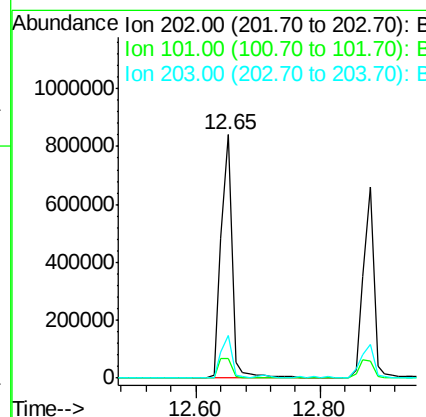
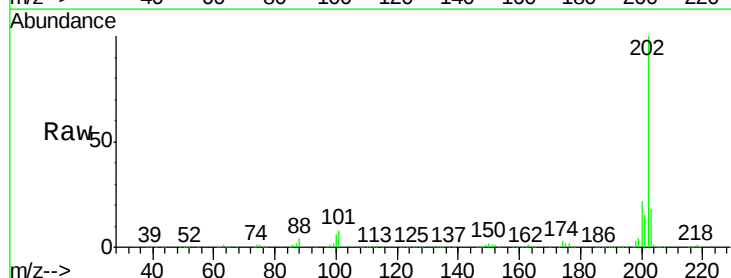
RT: 12.65 min Scan# 920

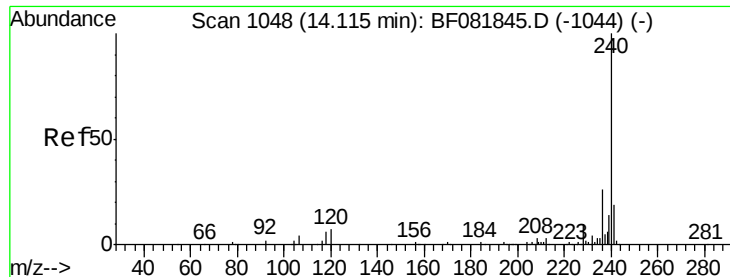
Delta R.T. 0.00 min

Lab File: BF081920.D

Acq: 1 Oct 2015 00:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	38.3
203	17.7	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BF081920.D

Acq: 1 Oct 2015 00:23

Instrument :

BNA_F

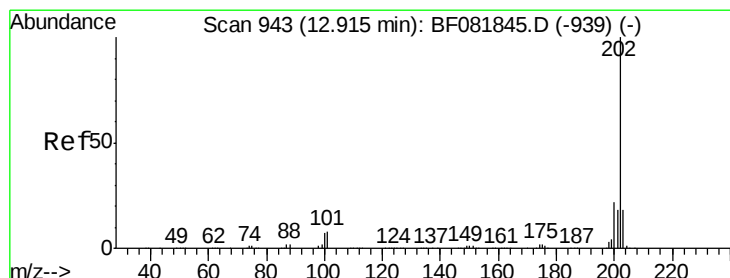
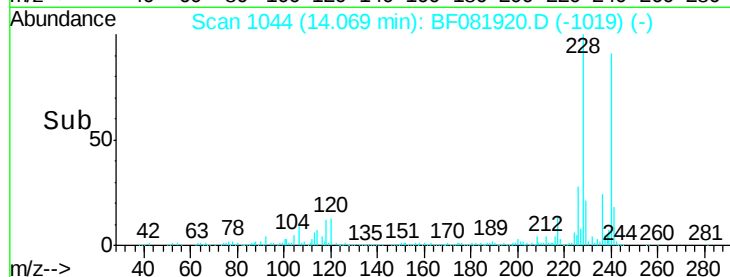
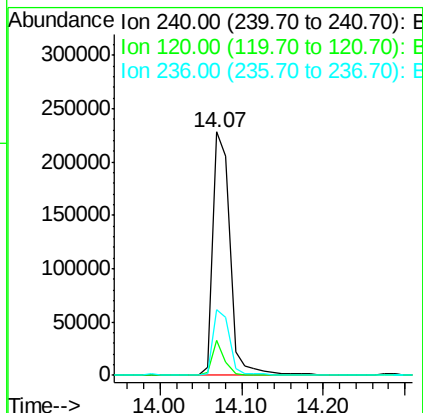
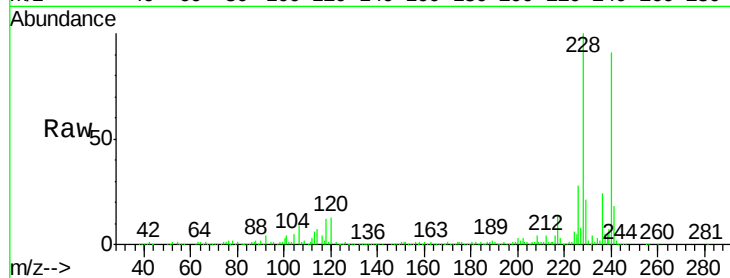
ClientSampleId :

S2-20DL

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.4	16.2	24.2#
236	26.8	18.4	27.6

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#77

Pyrene

Concen: 37.91 ng

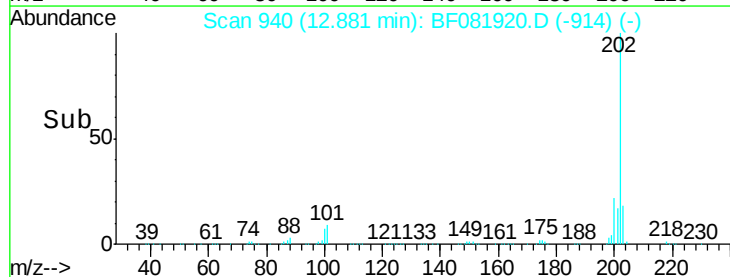
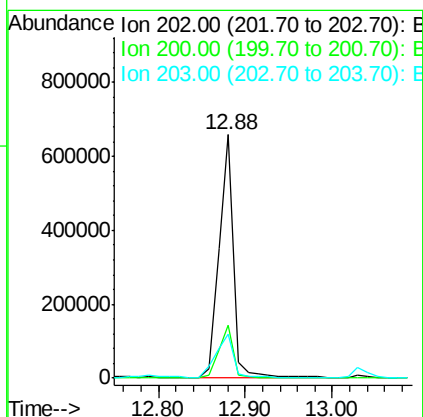
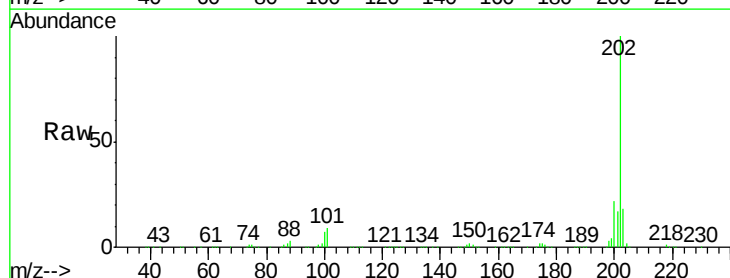
RT: 12.88 min Scan# 940

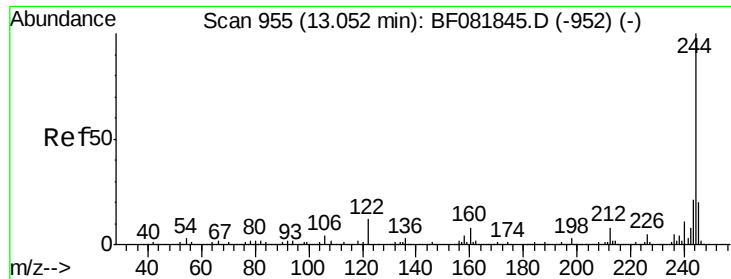
Delta R.T. 0.00 min

Lab File: BF081920.D

Acq: 1 Oct 2015 00:23

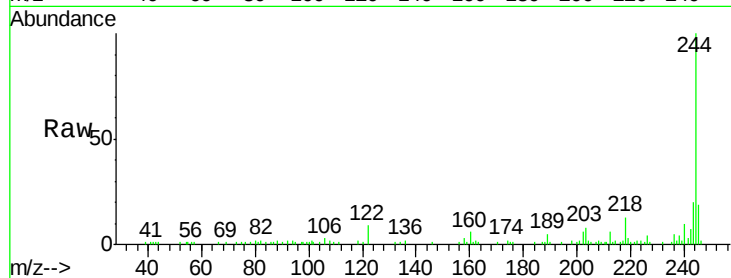
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	15.0	22.4
203	18.0	14.1	21.1





#78
 Terphenyl-d14
 Concen: 1.29 ng
 RT: 13.02 min Scan# 952
 Delta R.T. 0.00 min
 Lab File: BF081920.D
 Acq: 1 Oct 2015 00:23

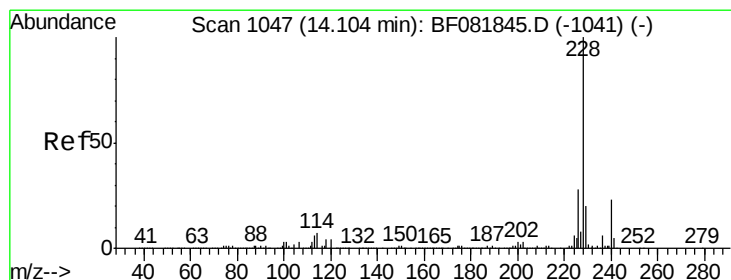
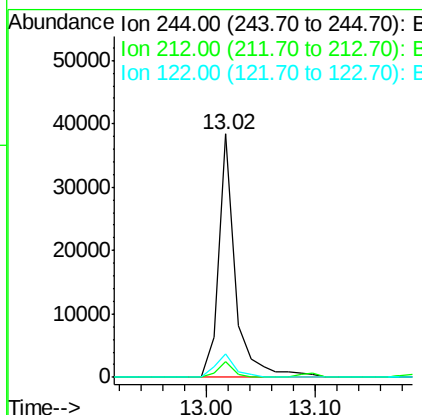
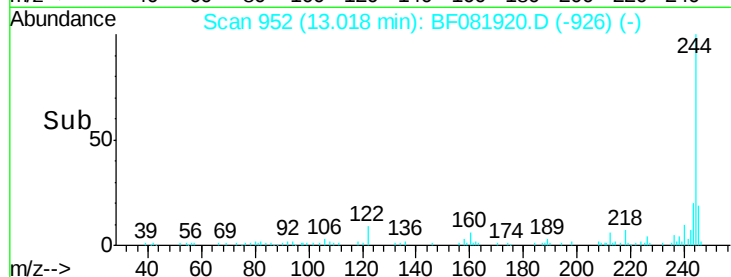
Instrument :
 BNA_F
 ClientSampled :
 S2-20DL



Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.4	4.3	6.5
122	9.4	17.4	26.2

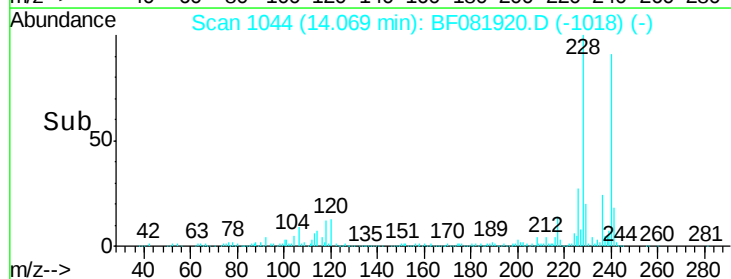
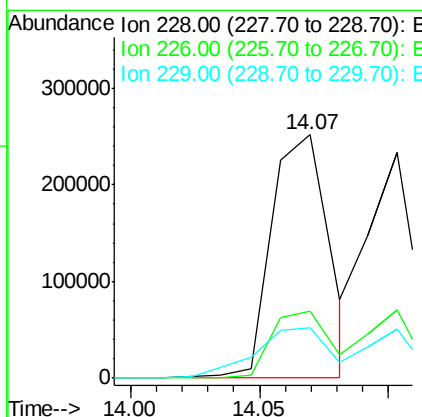
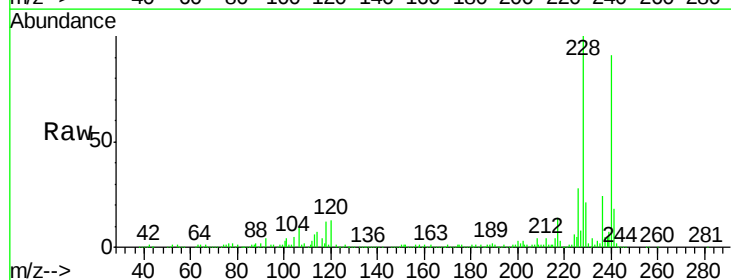
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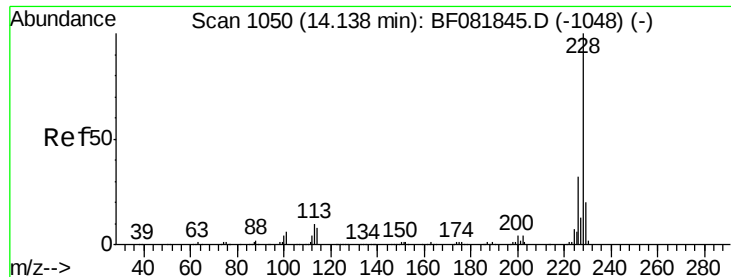
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#80
 Benzo(a)anthracene
 Concen: 21.53 ng m
 RT: 14.07 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: BF081920.D
 Acq: 1 Oct 2015 00:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.5	20.0	30.0
229	20.7	15.4	23.2





#82

Chrysene

Concen: 14.83 ng m

RT: 14.10 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF081920.D

Acq: 1 Oct 2015 00:23

Instrument :

BNA_F

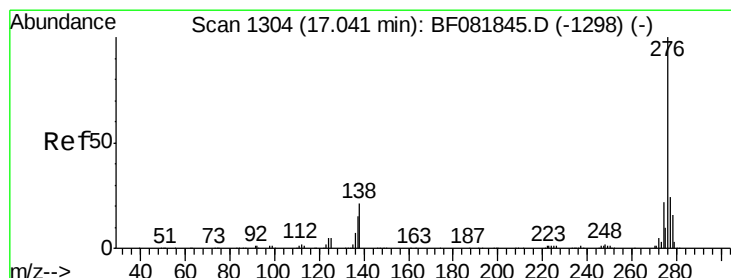
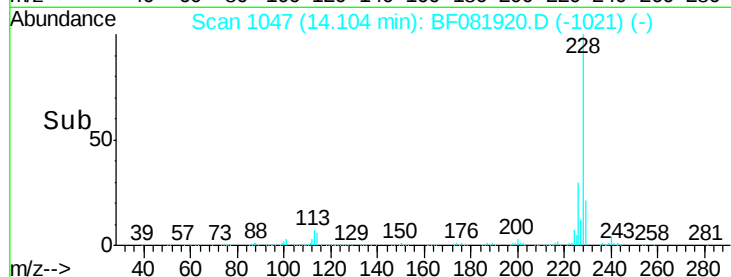
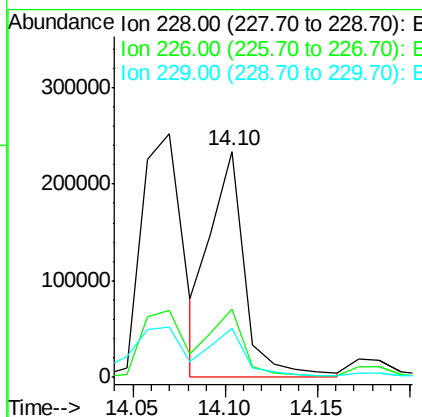
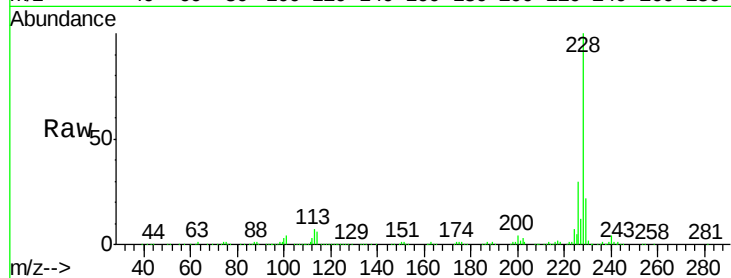
ClientSampleId :

S2-20DL

Tgt Ion:	228	Resp:	306245
Ion Ratio	Lower	Upper	
228	100		
226	30.0	21.0	31.4
229	21.8	15.6	23.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 15.63 ng

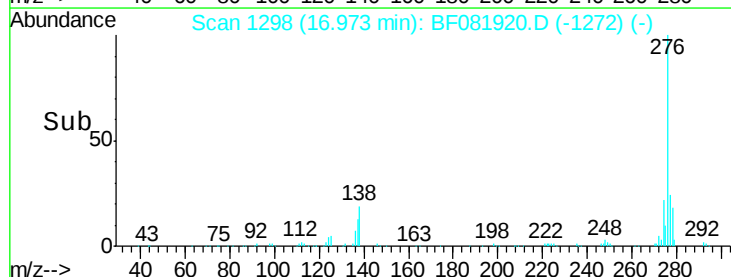
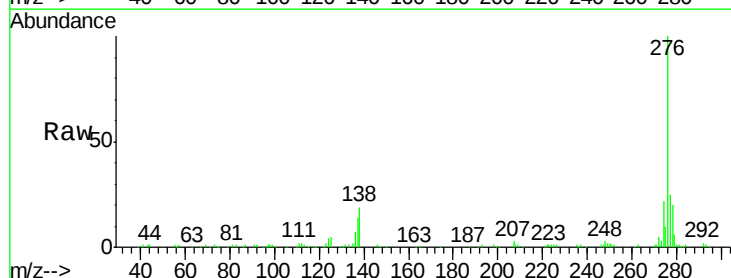
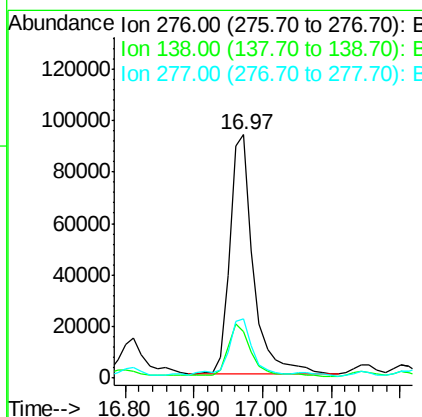
RT: 16.97 min Scan# 1298

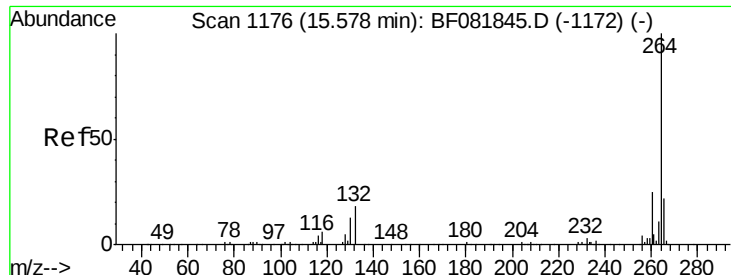
Delta R.T. 0.00 min

Lab File: BF081920.D

Acq: 1 Oct 2015 00:23

Tgt Ion:	276	Resp:	222530
Ion Ratio	Lower	Upper	
276	100		
138	20.8	25.7	38.5#
277	25.3	15.6	23.4#





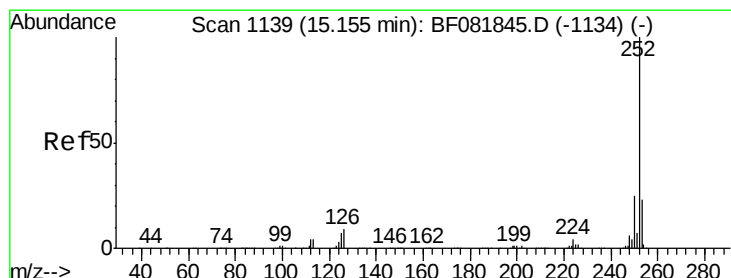
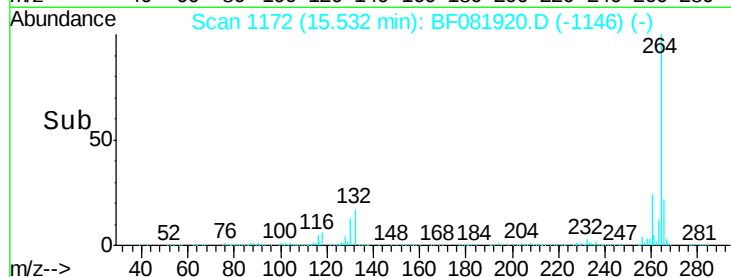
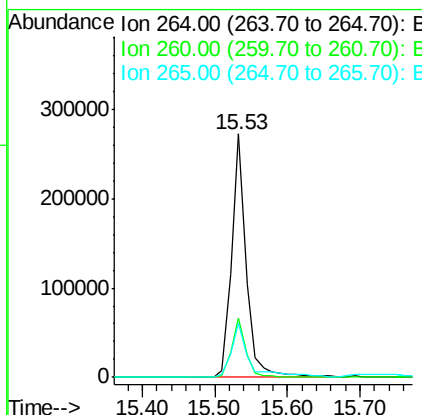
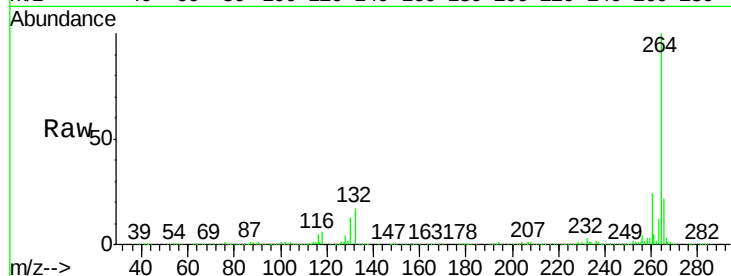
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF081920.D
Acq: 1 Oct 2015 00:23

Instrument :
BNA_F
ClientSampleId :
S2-20DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	16.7	25.1
265	22.3	17.2	25.8

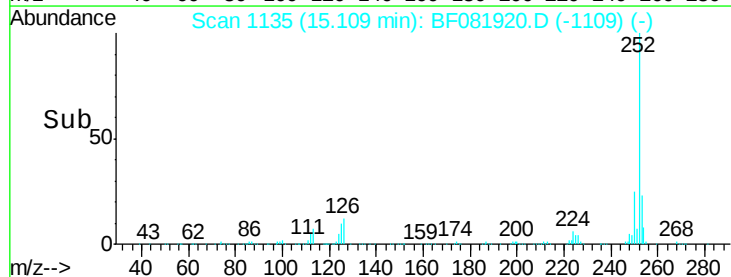
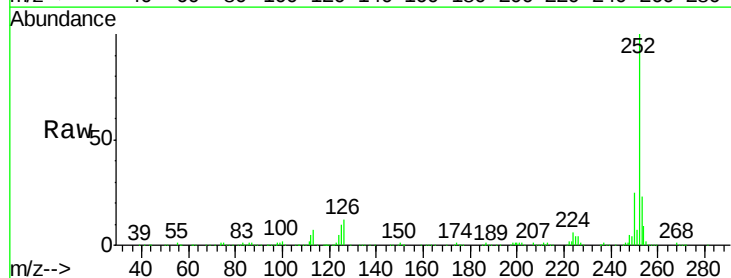
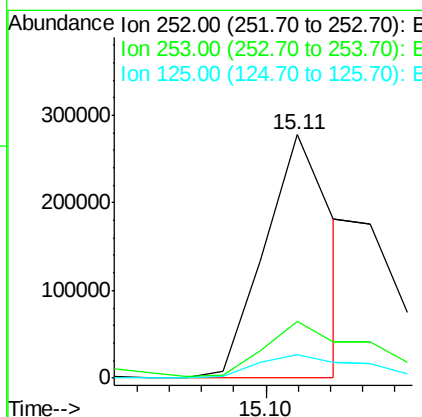
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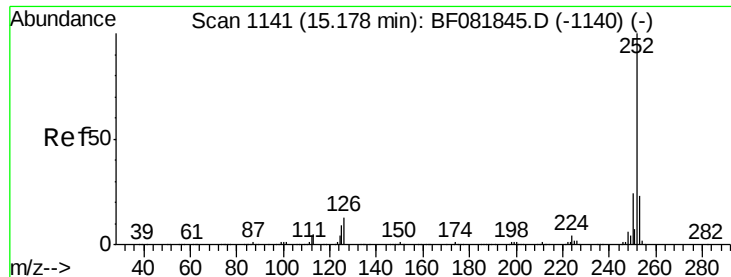
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#87
Benzo(b)fluoranthene
Concen: 18.80 ng m
RT: 15.11 min Scan# 1135
Delta R.T. 0.00 min
Lab File: BF081920.D
Acq: 1 Oct 2015 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	9.8	17.1	25.7#





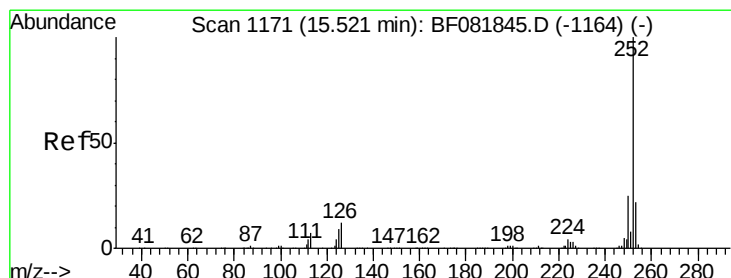
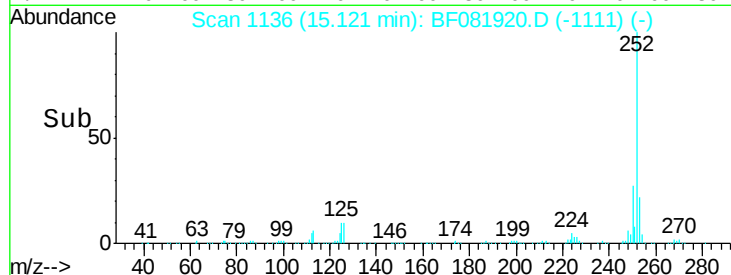
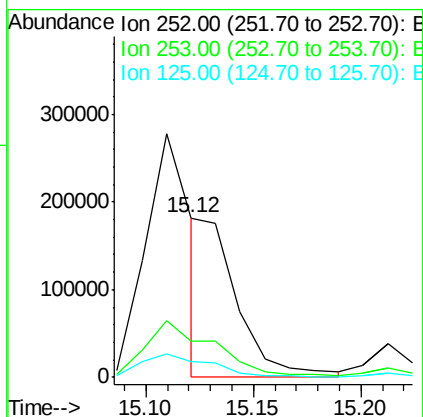
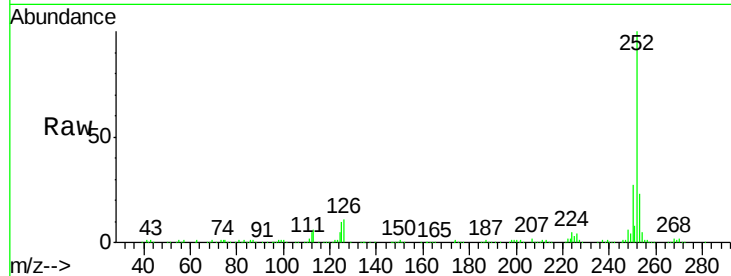
#88
Benzo(k)fluoranthene
Concen: 10.14 ng m
RT: 15.12 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BF081920.D
Acq: 1 Oct 2015 00:23

Instrument :
BNA_F
ClientSampleId :
S2-20DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.4
125	9.9	16.0	24.0

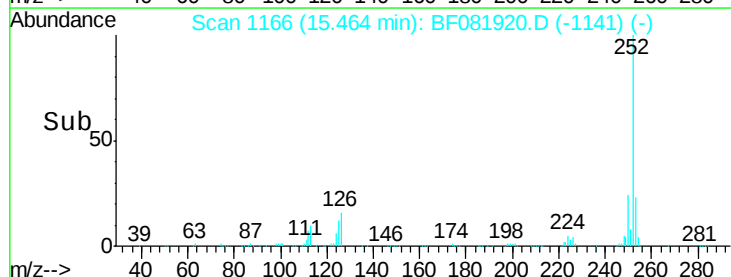
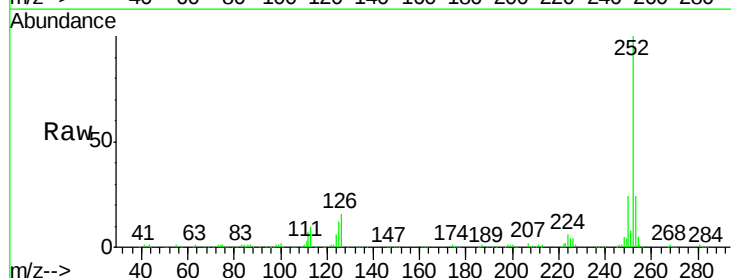
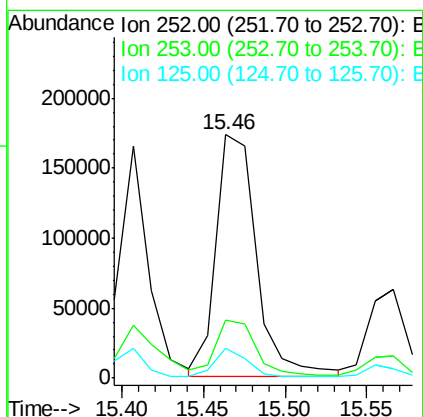
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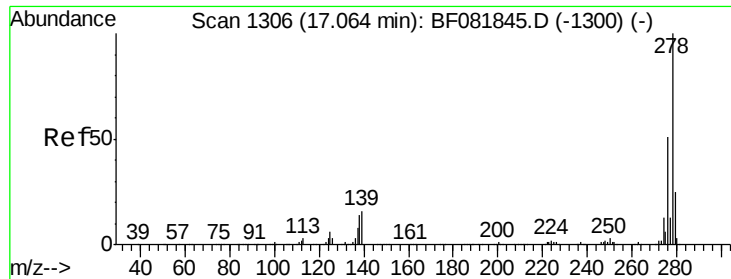
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#89
Benzo(a)pyrene
Concen: 15.65 ng
RT: 15.46 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF081920.D
Acq: 1 Oct 2015 00:23

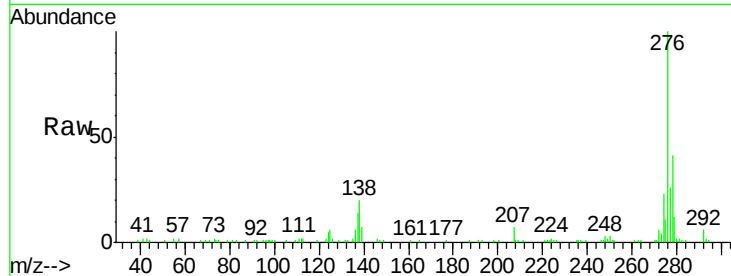
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	12.3	18.0	27.0





#90
Dibenzo(a,h)anthracene
Concen: 3.01 ng
RT: 16.98 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF081920.D
Acq: 1 Oct 2015 00:23

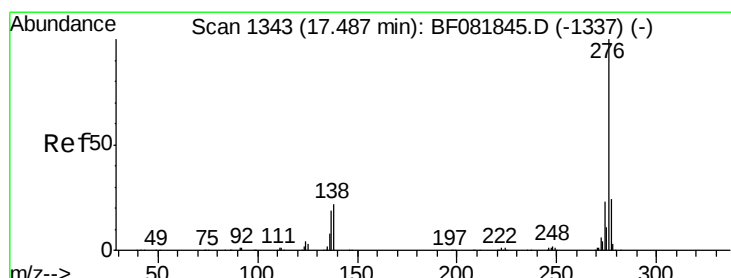
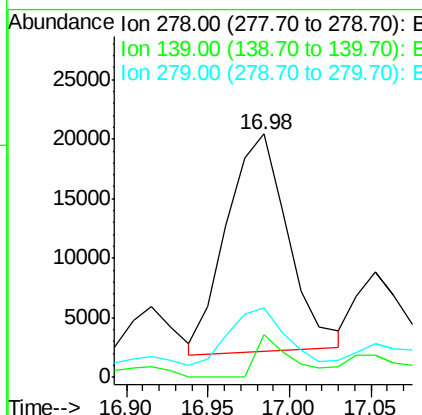
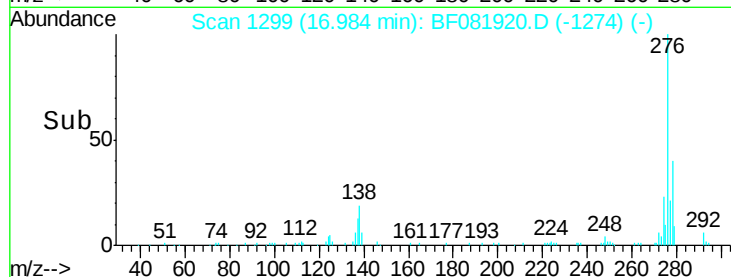
Instrument :
BNA_F
ClientSampled :
S2-20DL



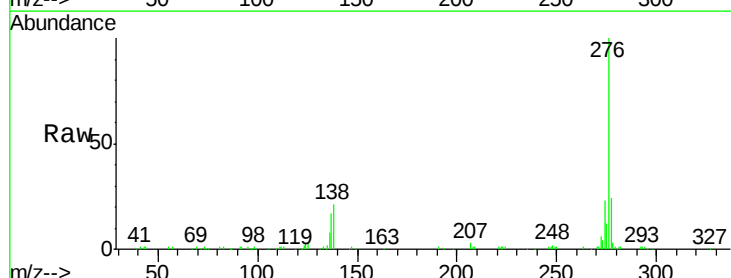
Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.5	26.3	39.5#
279	28.5	18.2	27.4#

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#91
Benzo(g,h,i)perylene
Concen: 12.37 ng
RT: 17.41 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF081920.D
Acq: 1 Oct 2015 00:23



Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.8	26.6
138	20.6	34.6	51.8#

