

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
 Data File : BF096885.D
 Acq On : 19 Jul 2017 22:20
 Operator : SJ/JU
 Sample : I4280-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-071817-D

Manual Integrations
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 7/20/2017 3:05:07 PM

Quant Time: Jul 20 05:24:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	101621	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	433748	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	172526	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	265990	20.00	ng	0.00
75) Chrysene-d12	13.73	240	196538	20.00	ng	0.00
86) Perylene-d12	15.10	264	135490	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	635371	94.01	ng	0.00
7) Phenol-d6	6.24	99	772919	95.30	ng	-0.01
23) Nitrobenzene-d5	7.15	82	456141	65.14	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	135647	92.11	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	807187	73.92	ng	-0.01
78) Terphenyl-d14	12.68	244	512392	45.21	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.25	94	33699	3.675	ng	98
48) Acenaphthylene	9.48	152	102016	5.876	ng	98
49) Dimethylphthalate	9.35	163	113995	8.775	ng	98
51) Acenaphthene	9.65	154	27154	2.648	ng	96
57) Fluorene	10.16	166	64425	6.067	ng	96
70) Phenanthrene	11.12	178	430839	29.790	ng	98
71) Anthracene	11.17	178	152408	10.423	ng	99
72) Carbazole	11.33	167	32757	2.313	ng	94
74) Fluoranthene	12.31	202	611212	44.152	ng	98
77) Pyrene	12.53	202	714109	40.036	ng	100
80) Benzo(a)anthracene	13.72	228	314938	25.718	ng	94
82) Chrysene	13.75	228	305835m	25.369	ng	
85) Indeno(1,2,3-cd)pyrene	16.39	276	129398	14.321	ng	94
87) Benzo(b)fluoranthene	14.73	252	280491m	34.325	ng	
88) Benzo(k)fluoranthene	14.75	252	113948m	14.726	ng	
89) Benzo(a)pyrene	15.05	252	220837	29.465	ng	97
90) Dibenzo(a,h)anthracene	16.39	278	35437	5.139	ng	# 81
91) Benzo(g,h,i)perylene	16.77	276	129812	17.578	ng	97

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

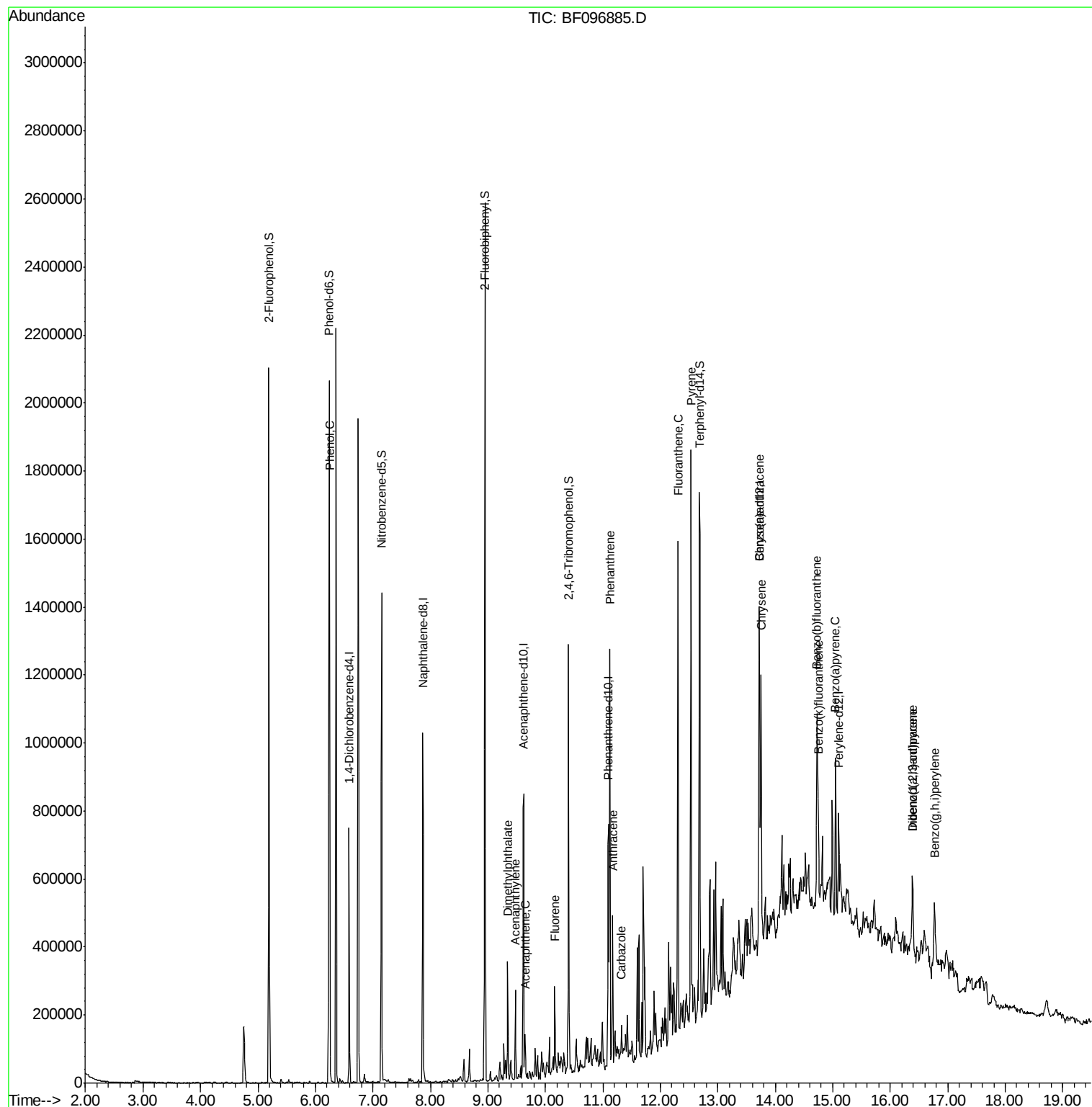
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
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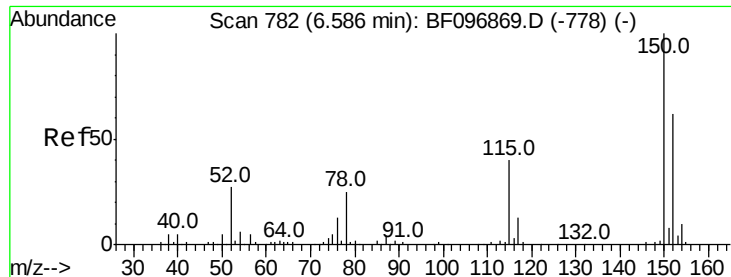
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

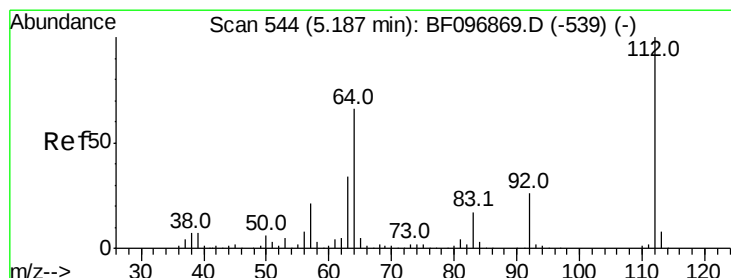
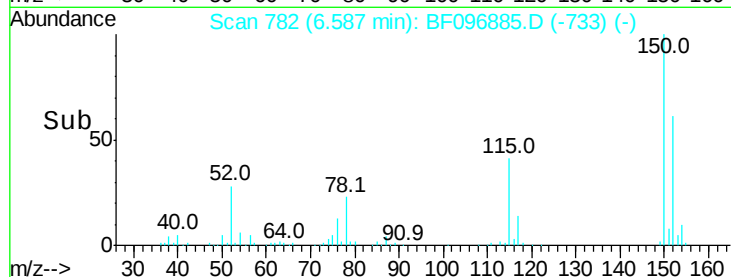
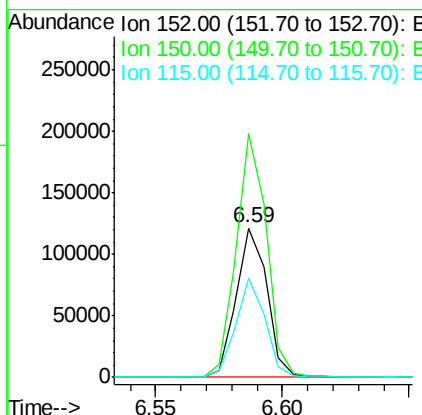
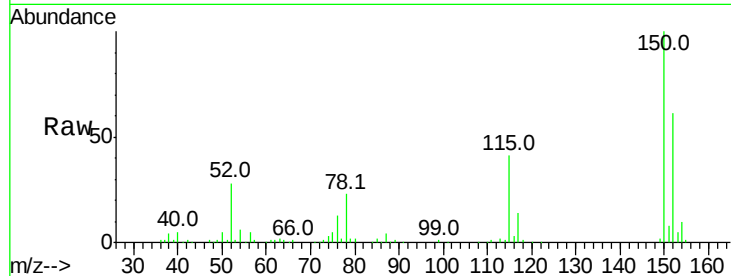
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.59 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.5	126.2	189.2
115	66.2	52.2	78.2

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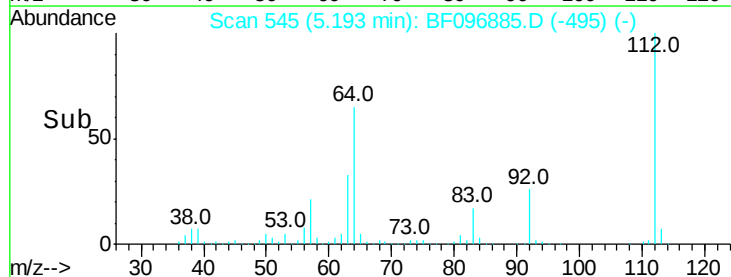
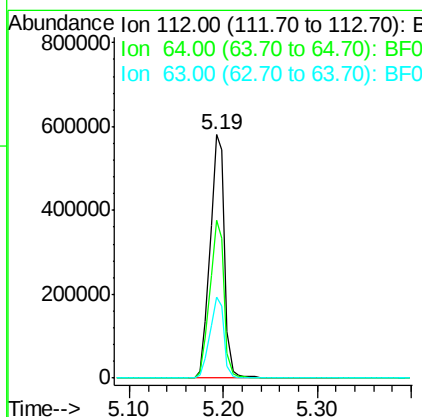
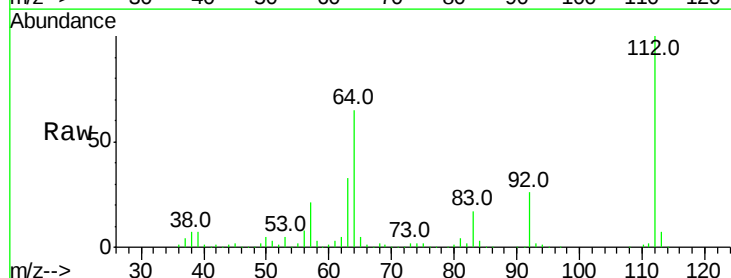
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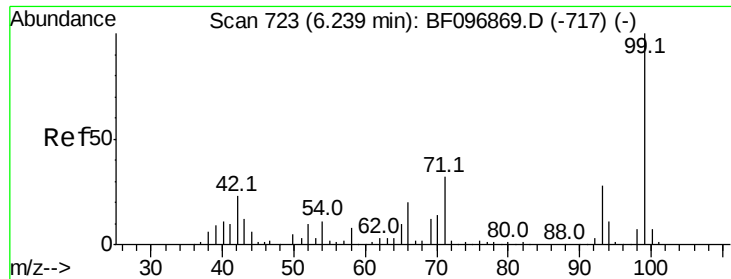


#5

2-Fluorophenol
Concen: 94.009 ng
RT: 5.19 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	46.0	69.0
63	33.3	23.4	35.0





#7

Phenol-d6

Concen: 95.299 ng

RT: 6.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF096885.D

Acq: 19 Jul 2017 22:20

Instrument :

BNA_F

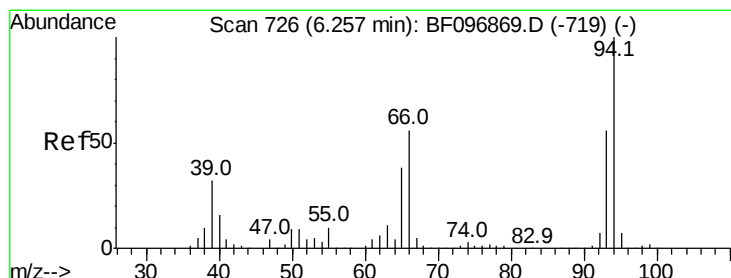
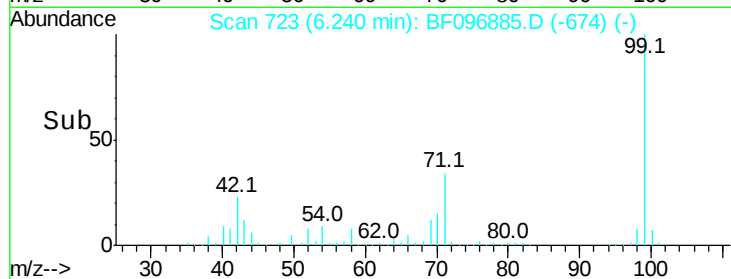
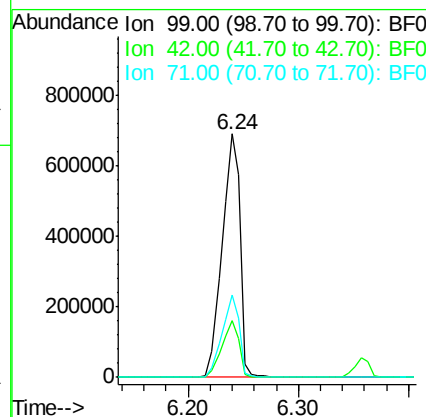
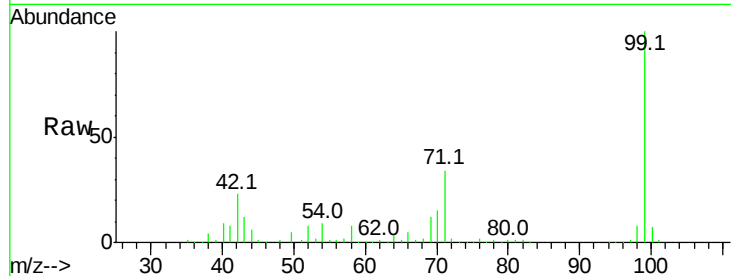
ClientSampleId :

CL-01-071817-D

Tot Ion:	99	Resp:	772919
Ion Ratio	Lower	Upper	
99	100		
42	23.4	13.5	20.3#
71	33.6	24.5	36.7

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#10

Phenol

Concen: 3.675 ng

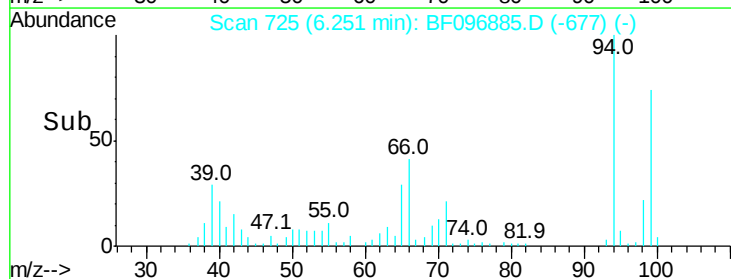
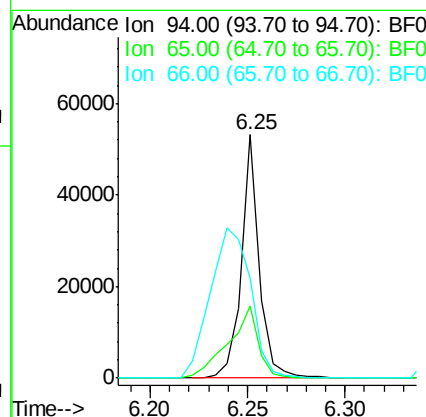
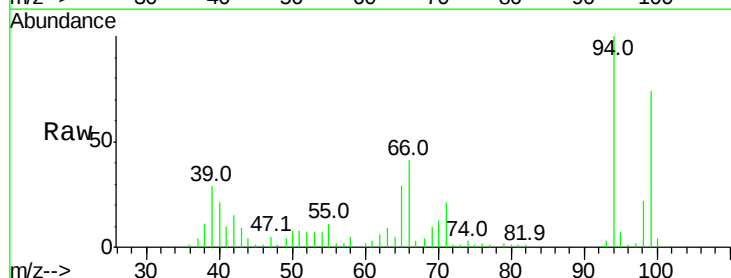
RT: 6.25 min Scan# 725

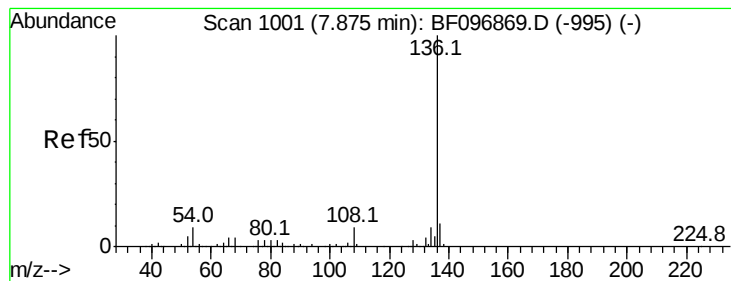
Delta R.T. -0.02 min

Lab File: BF096885.D

Acq: 19 Jul 2017 22:20

Tgt Ion:	94	Resp:	33699
Ion Ratio	Lower	Upper	
94	100		
65	29.4	9.9	49.9
66	40.9	23.1	63.1





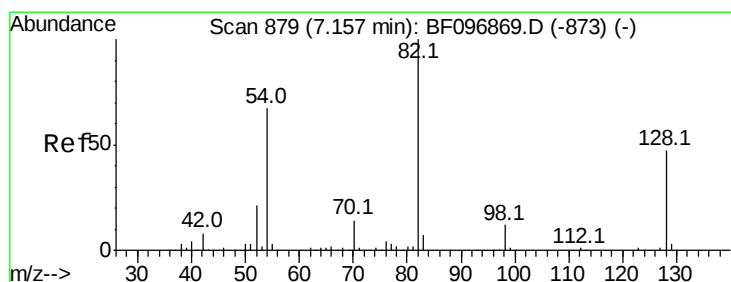
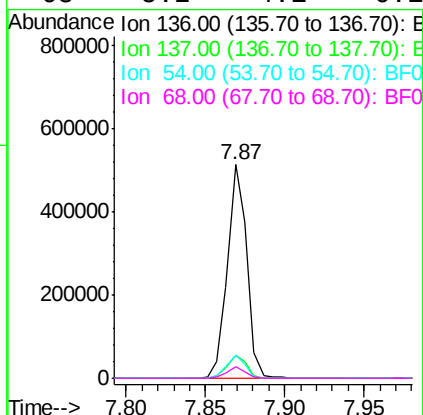
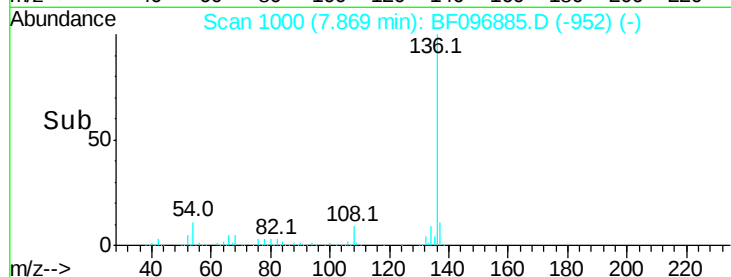
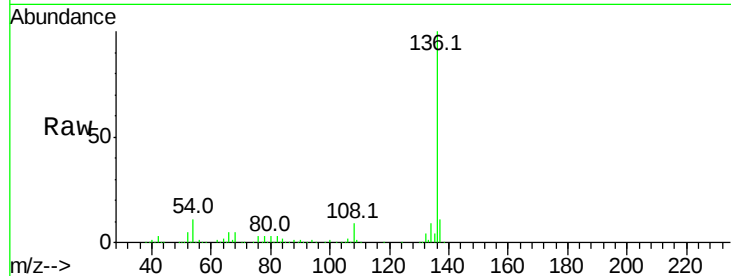
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.87 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-D

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.5	12.7	
54	10.8	4.9	7.3#	
68	5.2	4.1	6.1	

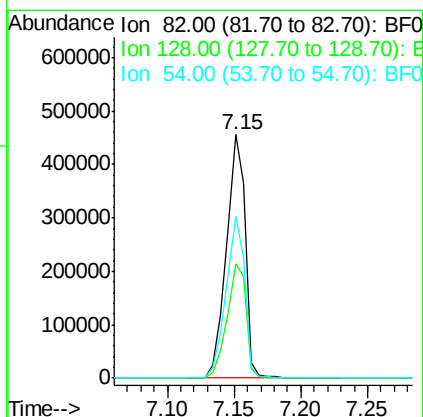
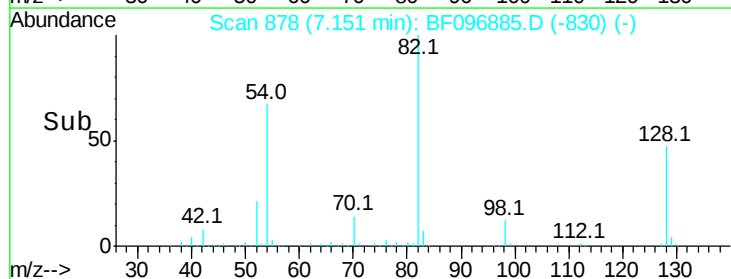
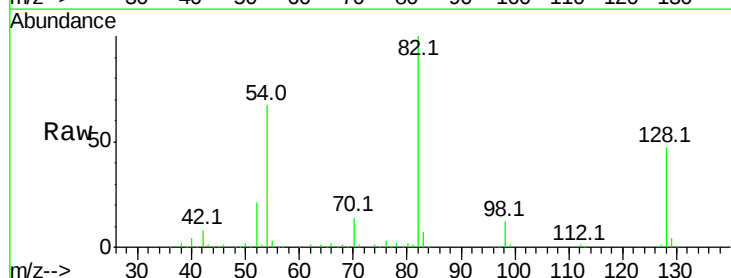
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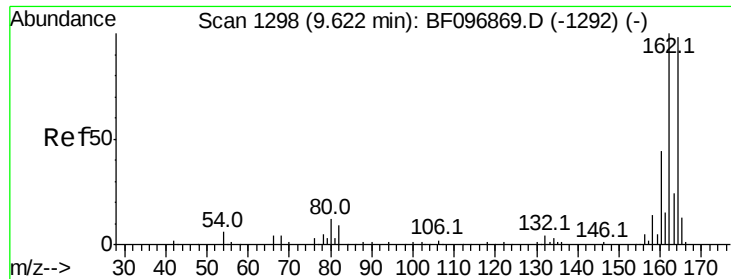
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#23
Nitrobenzene-d5
Concen: 65.139 ng
RT: 7.15 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.1	34.0	51.0	
54	66.6	42.2	63.2#	





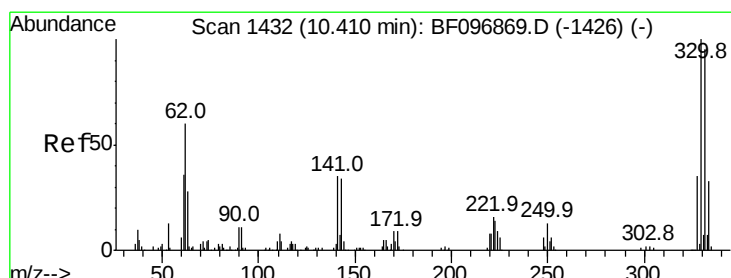
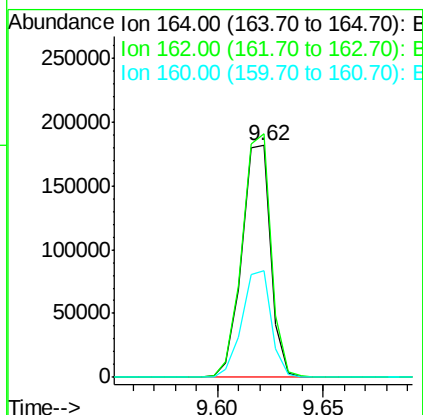
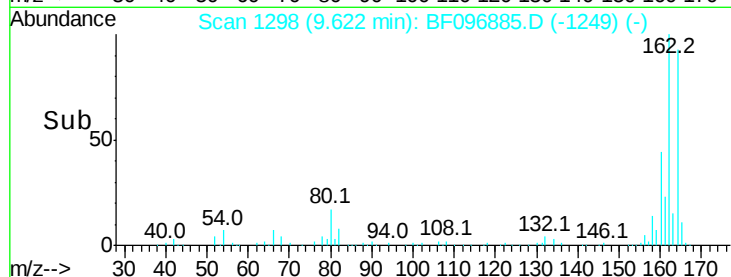
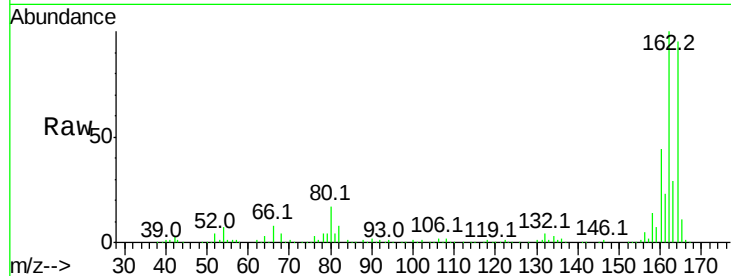
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-D

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.0	82.6	123.8
160	46.3	36.2	54.2

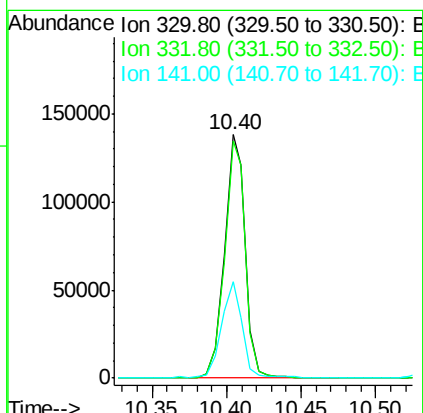
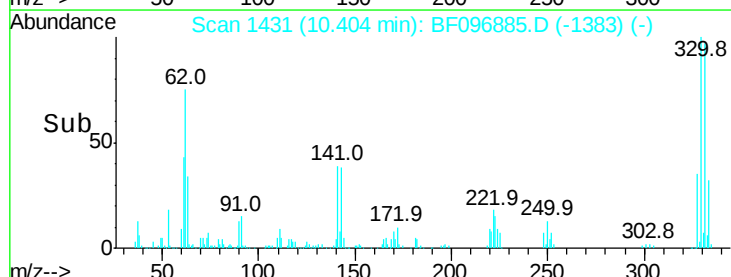
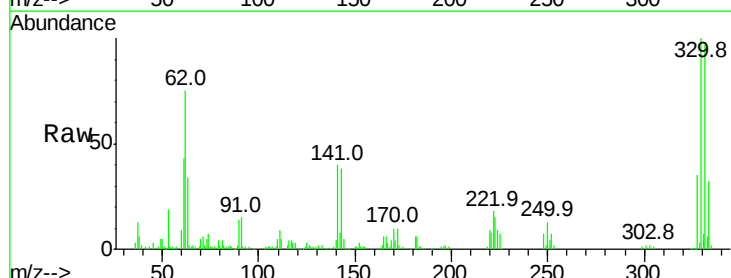
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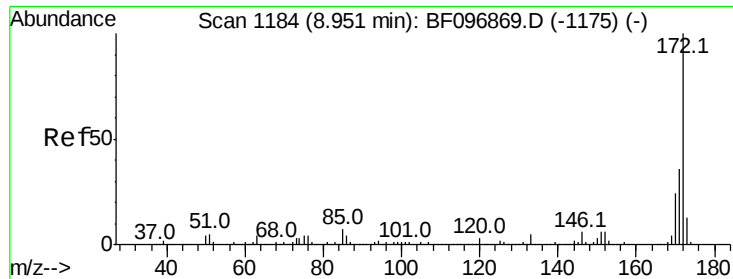
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#41
2,4,6-Tribromophenol
Concen: 92.110 ng
RT: 10.40 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	115.0
141	40.5	31.4	47.2





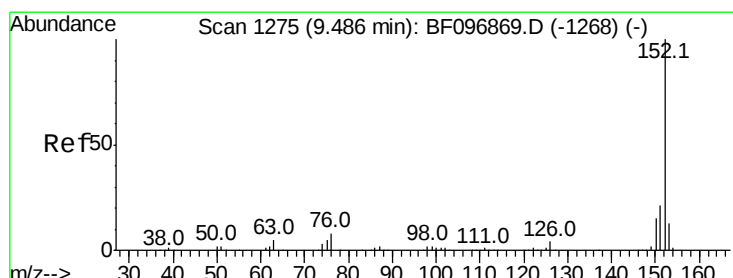
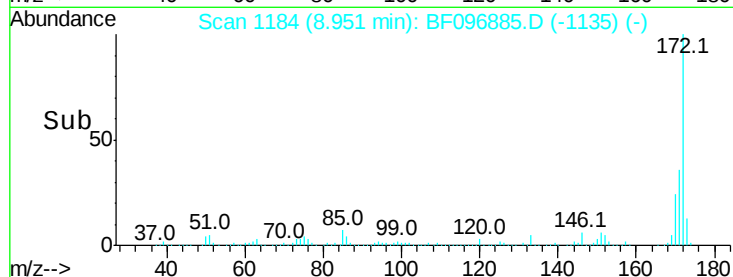
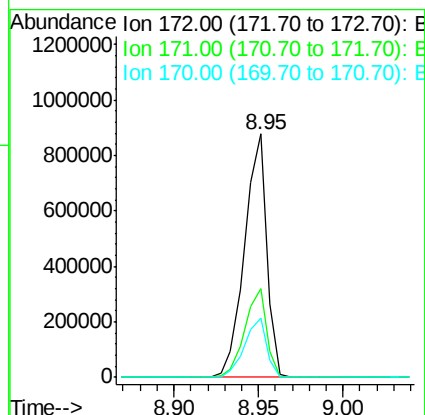
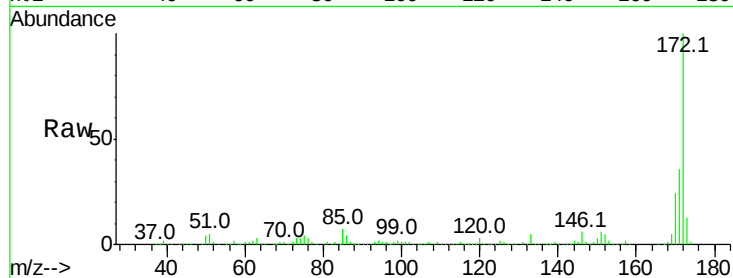
#44
2-Fluorobiphenyl
Concen: 73.919 ng
RT: 8.95 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-D

Tot Ion	Ratio	Resp	Lower	Upper
172	100	807187		
171	36.4		29.6	44.4
170	24.4		19.8	29.8

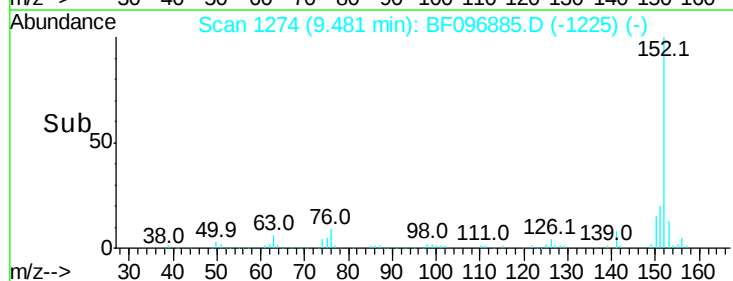
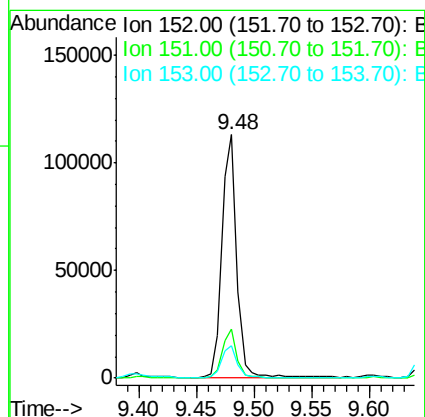
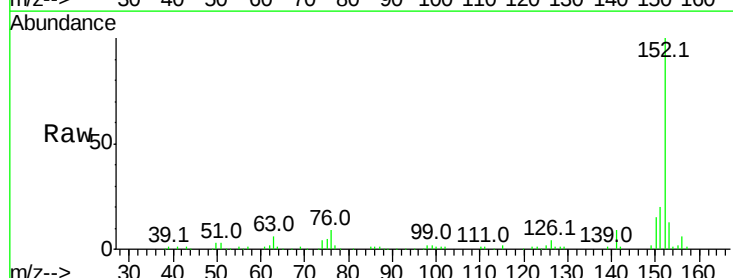
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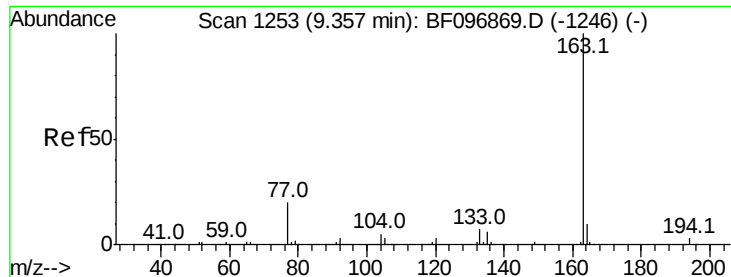
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#48
Acenaphthylene
Concen: 5.876 ng
RT: 9.48 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	102016		
151	20.1		16.8	25.2
153	13.1		10.8	16.2





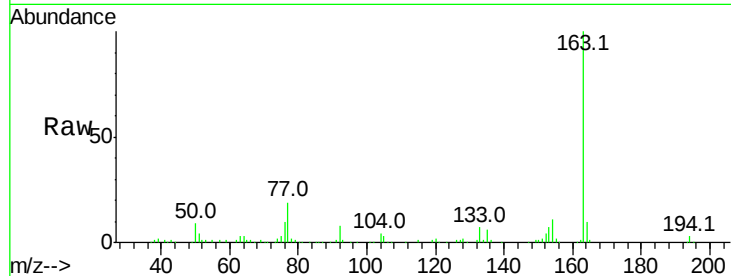
#49
Dimethylphthalate
Concen: 8.775 ng
RT: 9.35 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Instrument :
BNA_F
ClientSampled :
CL-01-071817-D

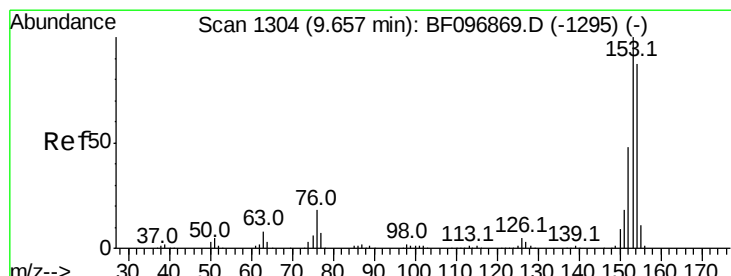
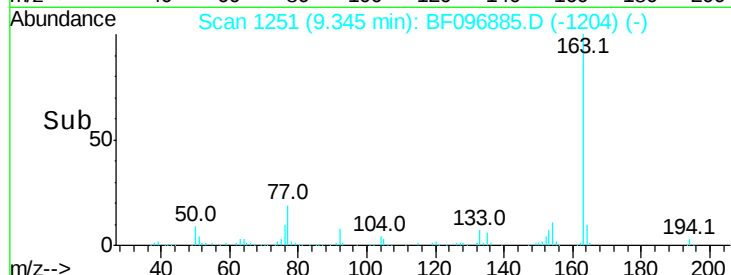
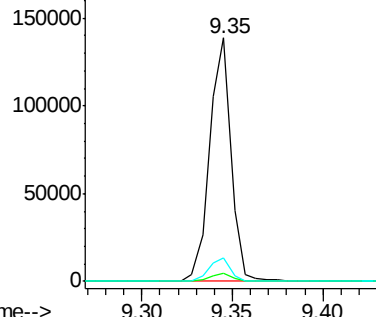
Tot Ion	Ratio	Resp	Lower	Upper
163	100	113995		
194	3.3	2.6	4.0	
164	9.6	8.4	12.6	

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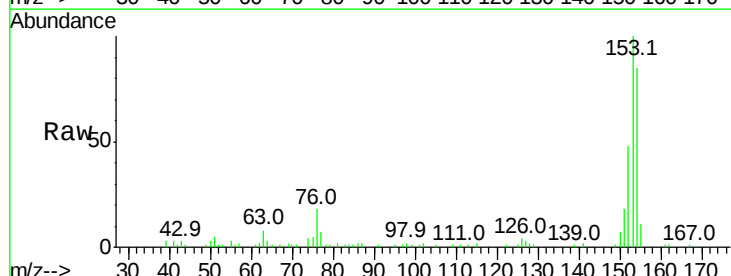


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

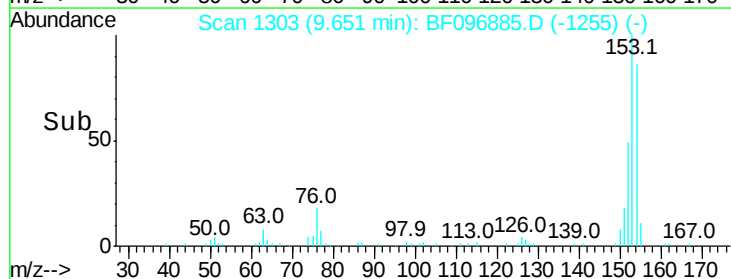
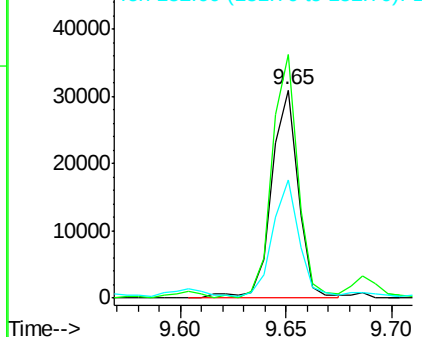


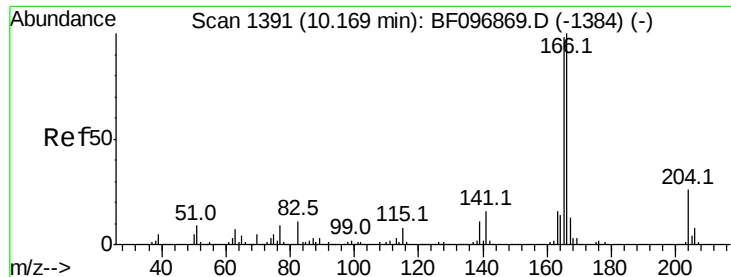
#51
Acenaphthene
Concen: 2.648 ng
RT: 9.65 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	27154		
153	117.2	90.5	135.7	
152	56.6	43.6	65.4	



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





#57

Fluorene

Concen: 6.067 ng

RT: 10.16 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BF096885.D

Acq: 19 Jul 2017 22:20

Instrument :

BNA_F

ClientSampleId :

CL-01-071817-D

Tot Ion:166 Resp: 64425

Ion Ratio Lower Upper

166 100

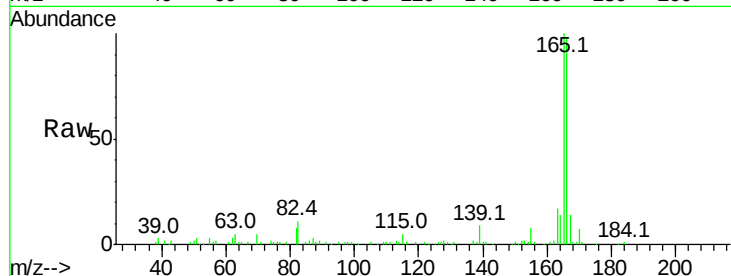
165 102.3 78.8 118.2

167 14.0 10.6 16.0

Manual Integrations
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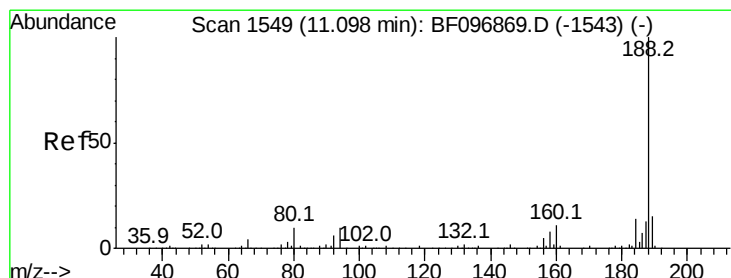
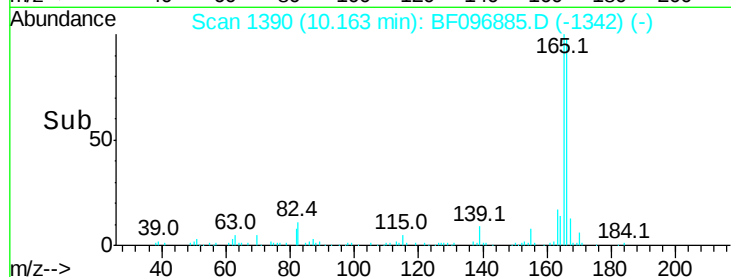
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

10.16

Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.10 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF096885.D

Acq: 19 Jul 2017 22:20

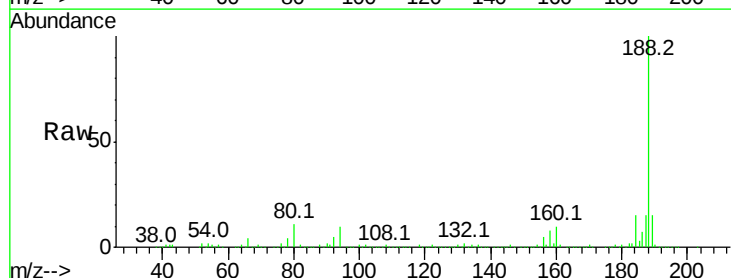
Tgt Ion:188 Resp: 265990

Ion Ratio Lower Upper

188 100

94 9.9 9.4 14.2

80 10.6 10.2 15.2



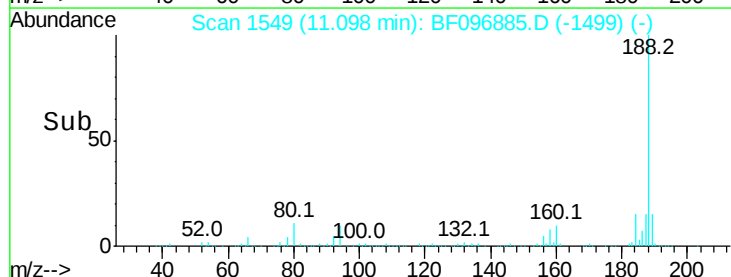
Abundance Ion 188.00 (187.70 to 188.70): E

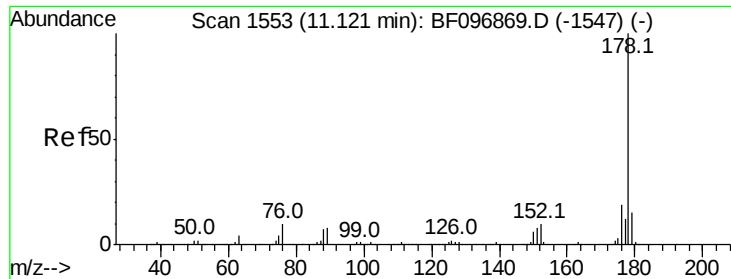
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.10

Time-->





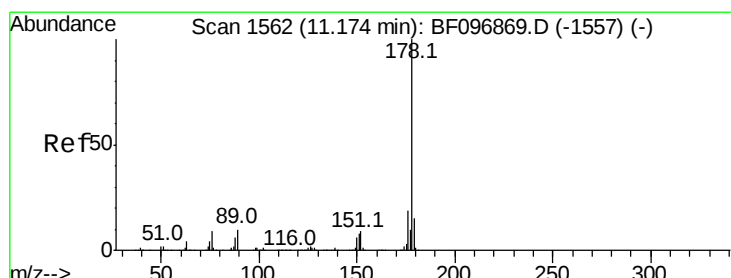
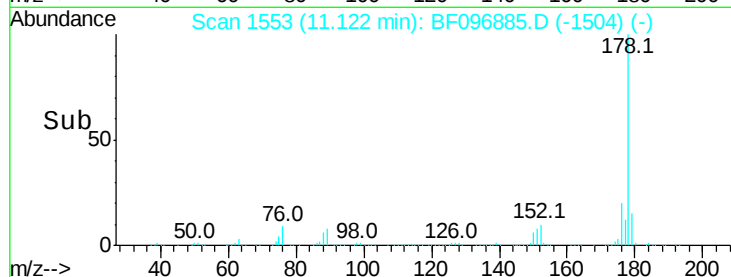
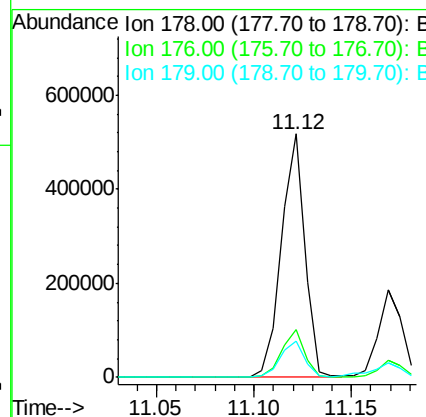
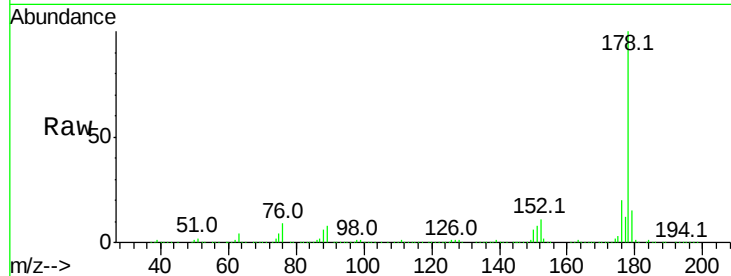
#70
Phenanthrene
Concen: 29.790 ng
RT: 11.12 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-D

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.2	24.4
179	15.1	12.6	19.0

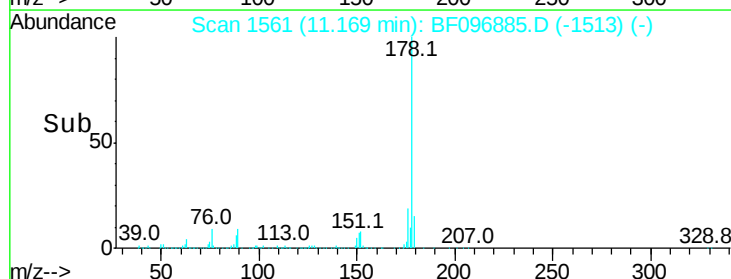
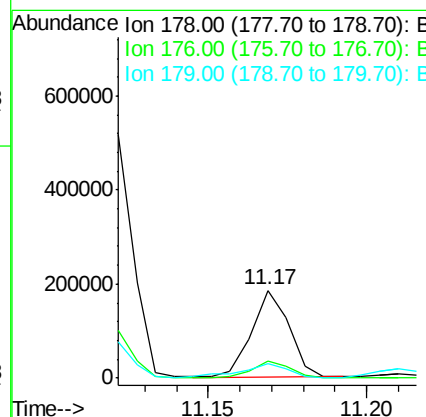
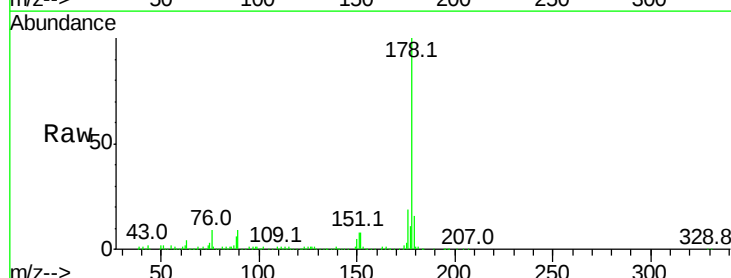
Manual Integrations
APPROVED

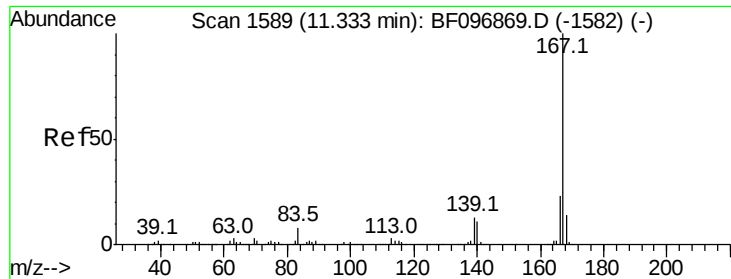
Sohil
7/20/2017 3:05:07 PM



#71
Anthracene
Concen: 10.423 ng
RT: 11.17 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.9	12.7	19.1





#72

Carbazole

Concen: 2.313 ng

RT: 11.33 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF096885.D

Acq: 19 Jul 2017 22:20

Instrument :

BNA_F

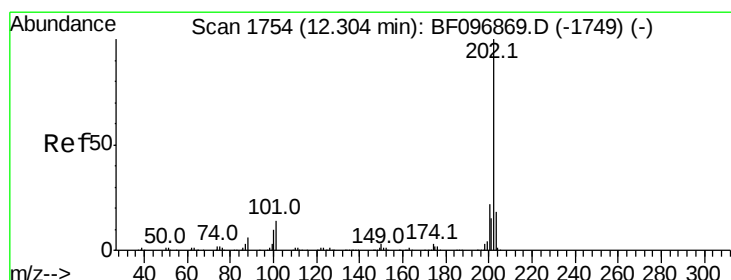
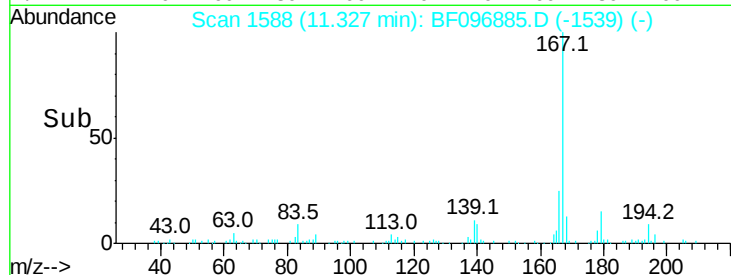
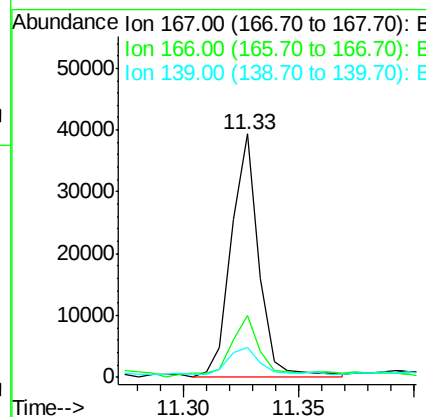
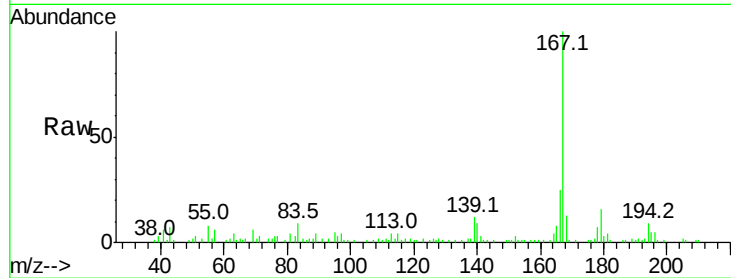
ClientSampleId :

CL-01-071817-D

Tot Ion:	167	Resp:	32757
Ion Ratio	Lower	Upper	
167	100		
166	25.3	18.1	27.1
139	12.1	11.7	17.5

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#74

Fluoranthene

Concen: 44.152 ng

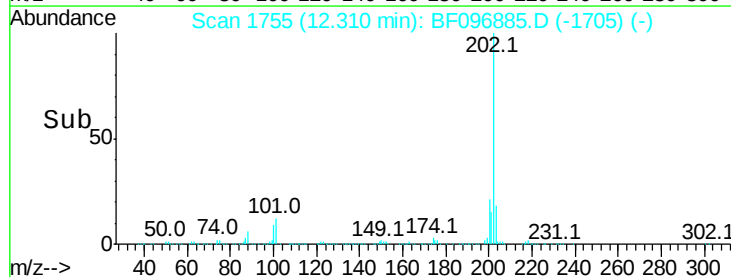
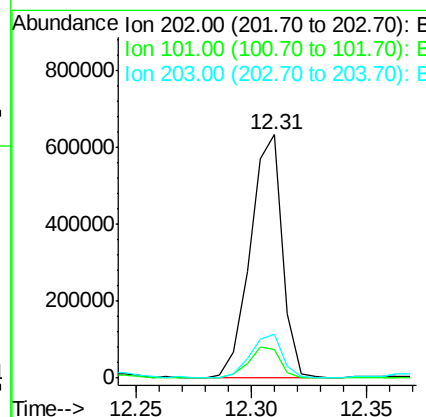
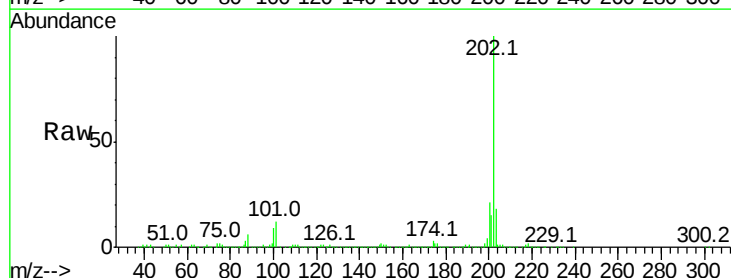
RT: 12.31 min Scan# 1755

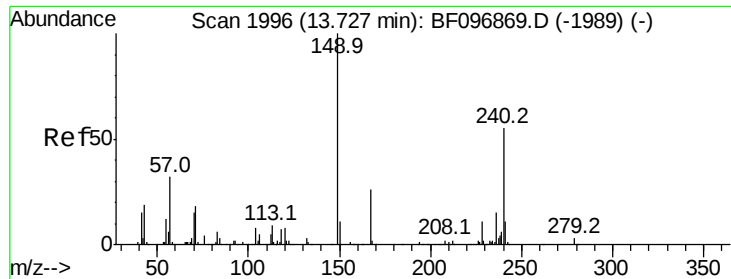
Delta R.T. -0.01 min

Lab File: BF096885.D

Acq: 19 Jul 2017 22:20

Tgt Ion:	202	Resp:	611212
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	33.2
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.73 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF096885.D

Acq: 19 Jul 2017 22:20

Instrument :

BNA_F

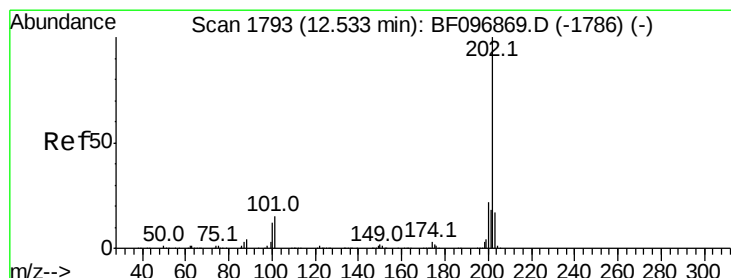
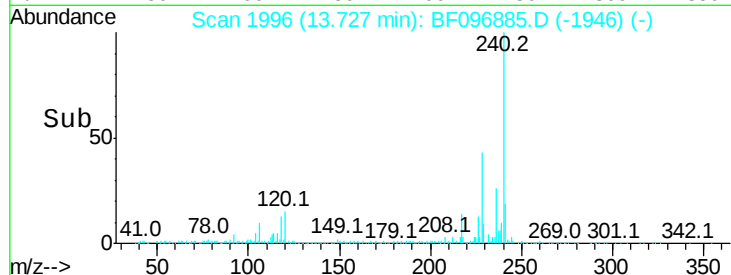
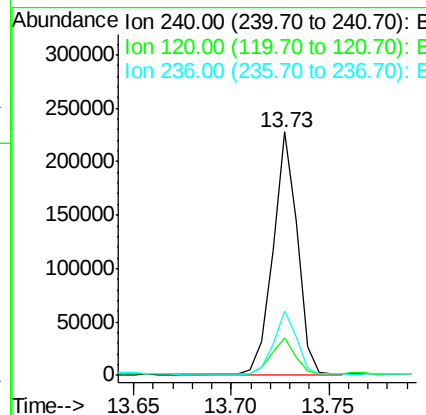
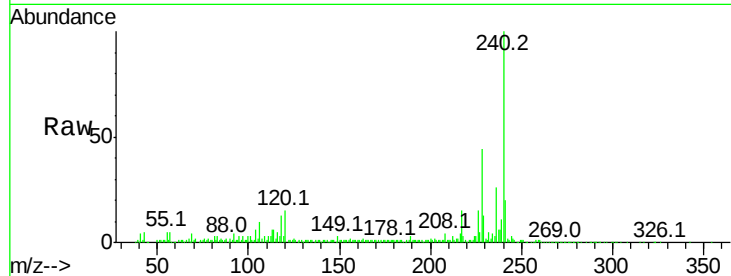
ClientSampleId :

CL-01-071817-D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	15.2		5.8	8.8#	
236	26.3		20.5	30.7	

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#77

Pyrene

Concen: 40.036 ng

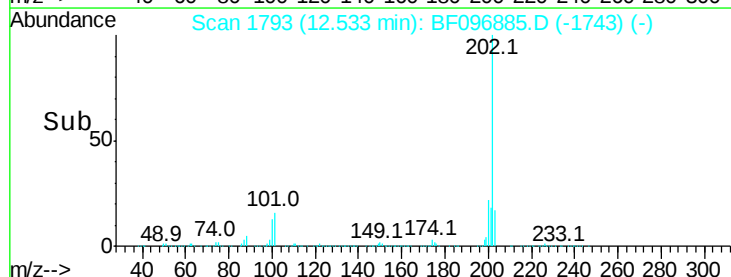
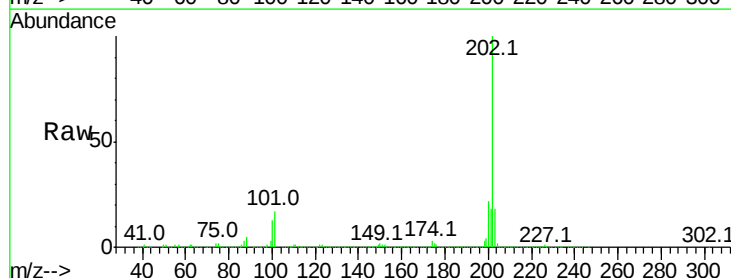
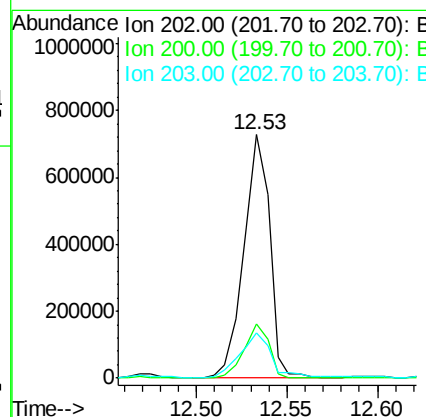
RT: 12.53 min Scan# 1793

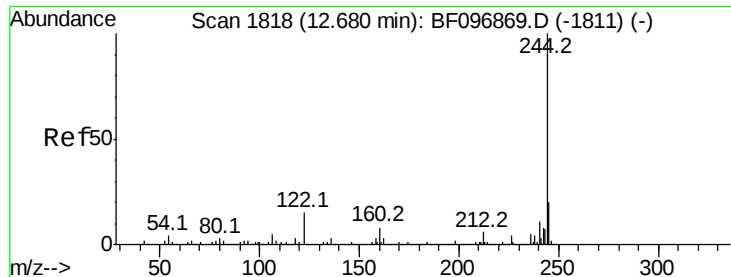
Delta R.T. -0.01 min

Lab File: BF096885.D

Acq: 19 Jul 2017 22:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	22.1		17.6	26.4	
203	18.3		14.4	21.6	





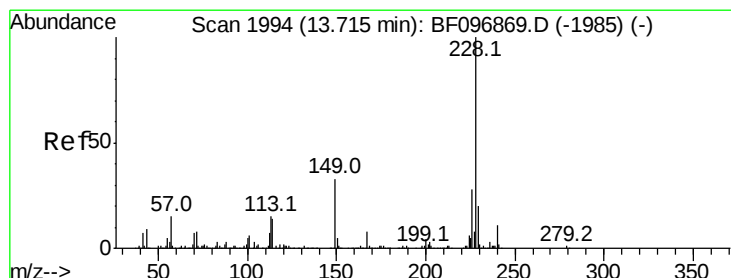
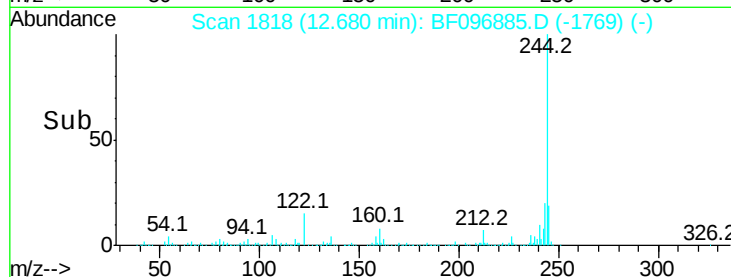
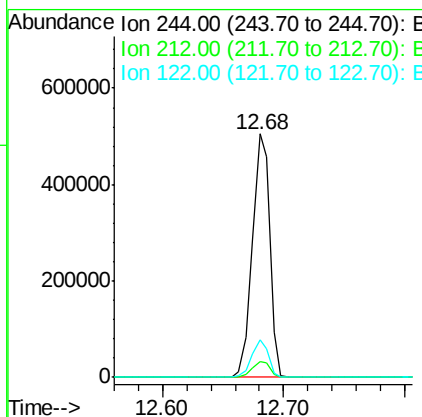
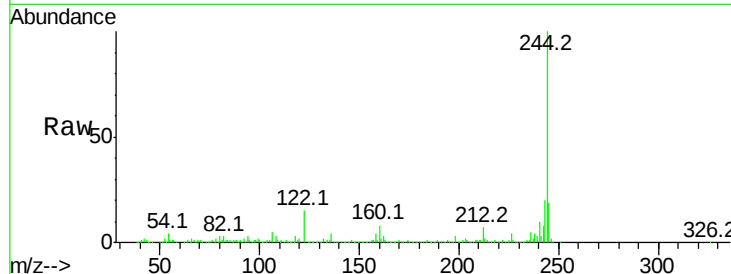
#78
 Terphenyl-d14
 Concen: 45.214 ng
 RT: 12.68 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF096885.D
 Acq: 19 Jul 2017 22:20

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-071817-D

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	15.5	10.3	15.5

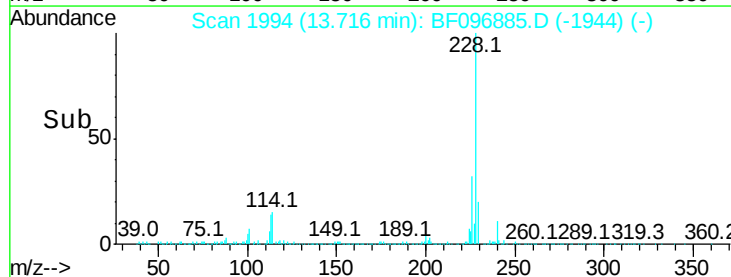
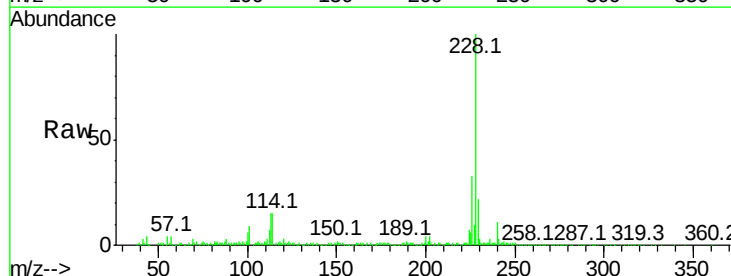
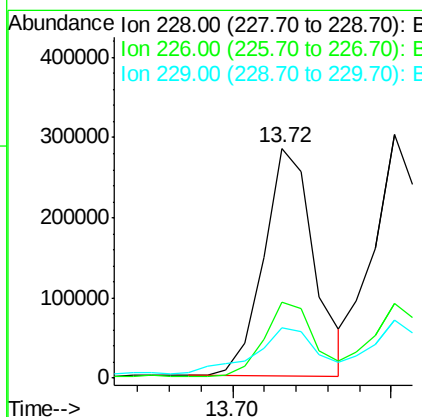
Manual Integrations
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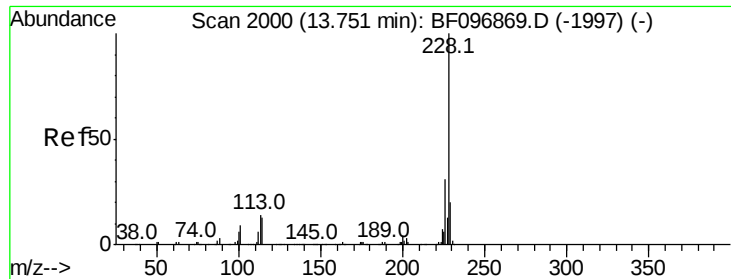
Sohil
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#80
 Benzo(a)anthracene
 Concen: 25.718 ng
 RT: 13.72 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BF096885.D
 Acq: 19 Jul 2017 22:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	22.6	33.8
229	21.7	16.3	24.5





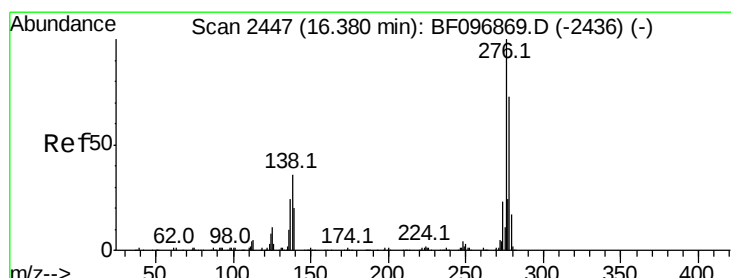
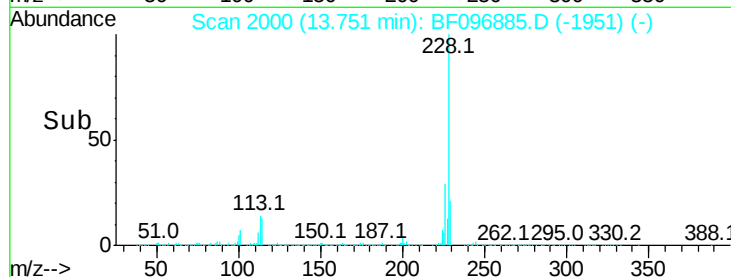
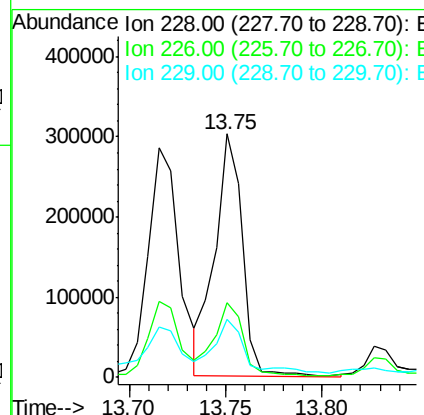
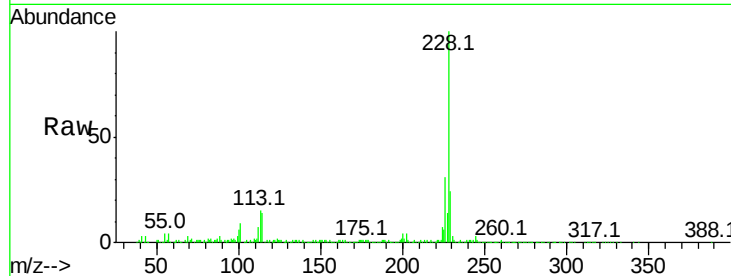
#82
Chrysene
Concen: 25.369 ng/ml
RT: 13.75 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	23.7	15.8	23.6

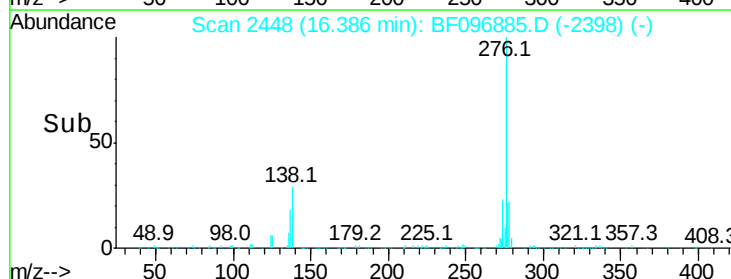
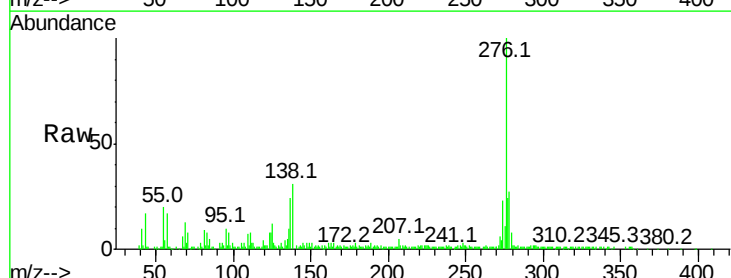
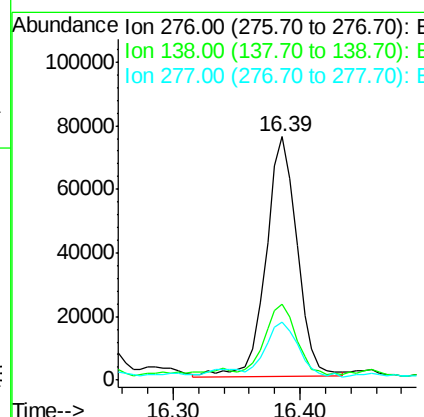
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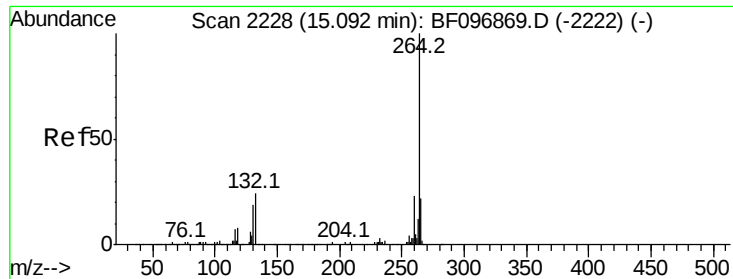
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 14.321 ng
RT: 16.39 min Scan# 2448
Delta R.T. -0.01 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.0	27.8	41.6
277	23.5	20.2	30.4





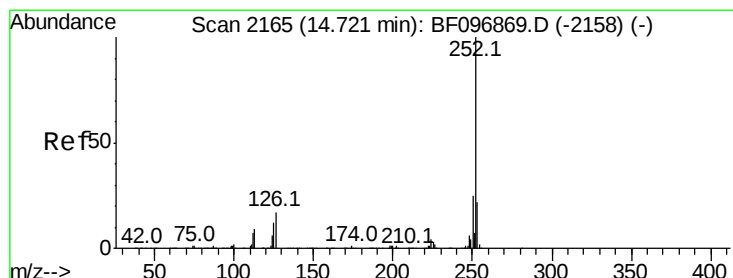
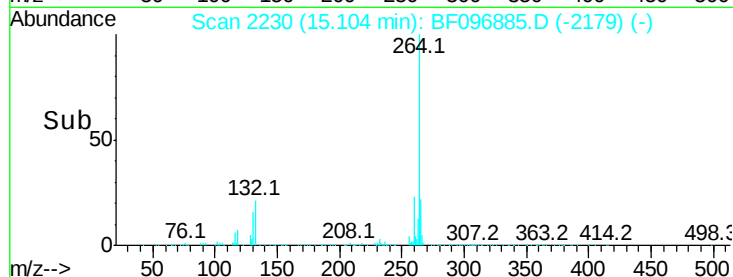
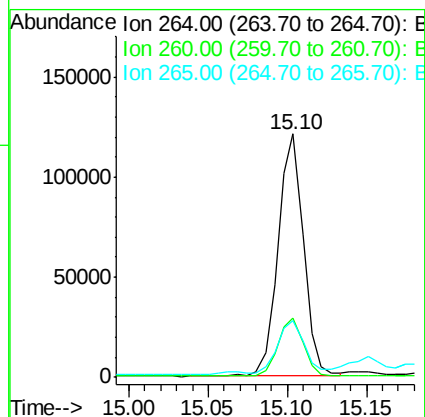
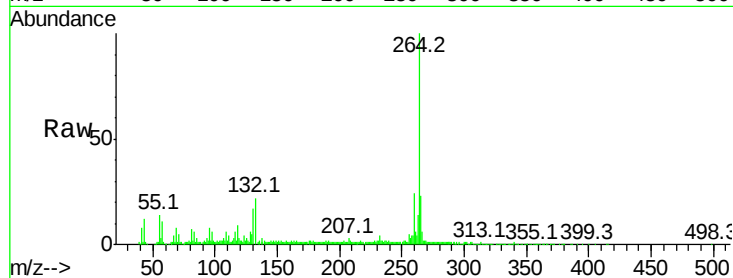
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.10 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Instrument :
BNA_F
ClientSampleId :
CL-01-071817-D

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.4	19.5	29.3	
265	23.3	17.2	25.8	

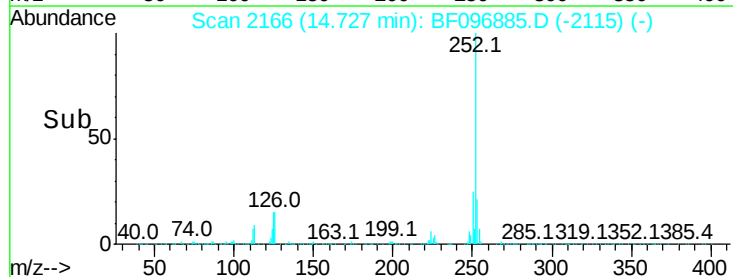
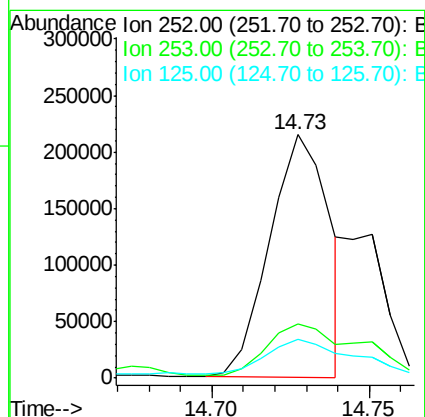
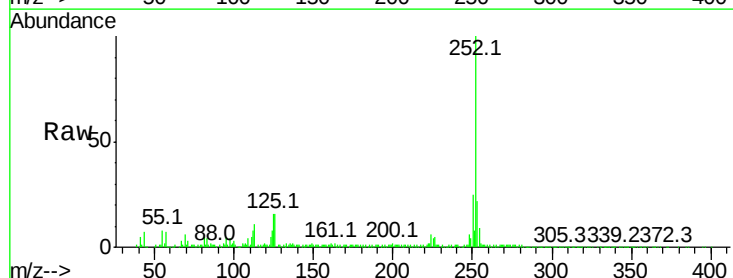
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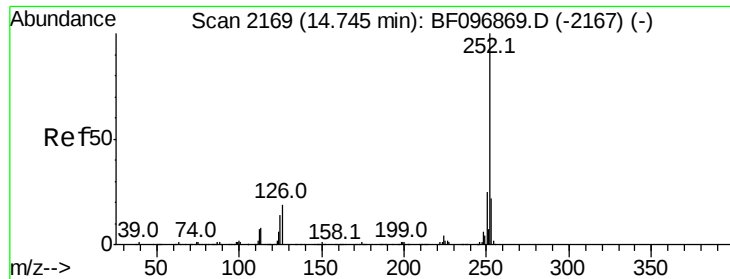
Sohil
7/20/2017 3:05:07 PM



#87
Benzo(b)fluoranthene
Concen: 34.325 ng m
RT: 14.73 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.3	18.1	27.1	
125	16.2	9.8	14.8	





#88

Benzo(k)fluoranthene

Concen: 14.726 ng/mL

RT: 14.75 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BF096885.D

Acq: 19 Jul 2017 22:20

Instrument :

BNA_F

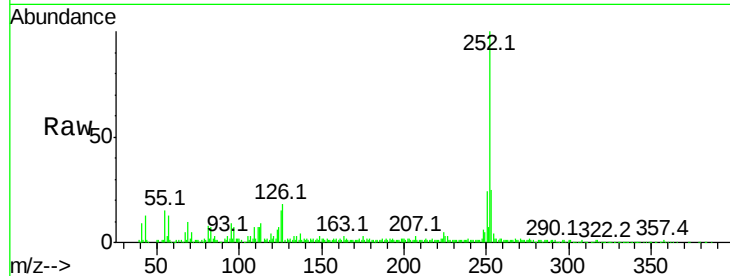
ClientSampleId :

CL-01-071817-D

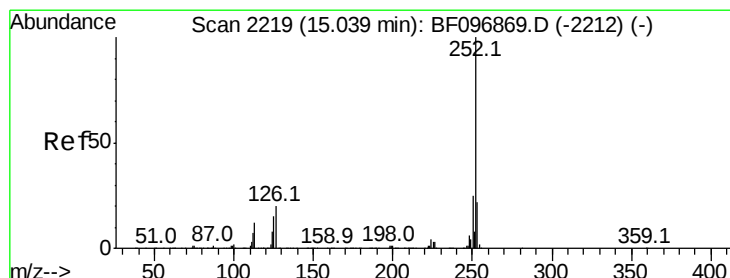
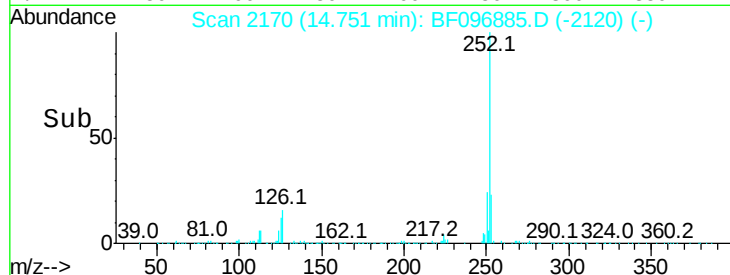
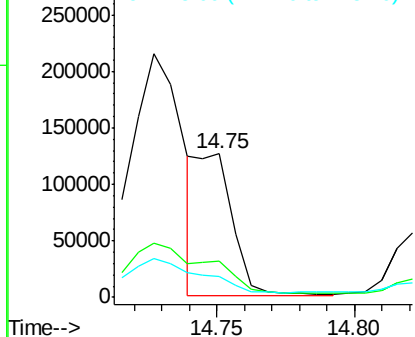
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.4	27.6
125	14.7	13.1	19.7

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 29.465 ng/mL

RT: 15.05 min Scan# 2221

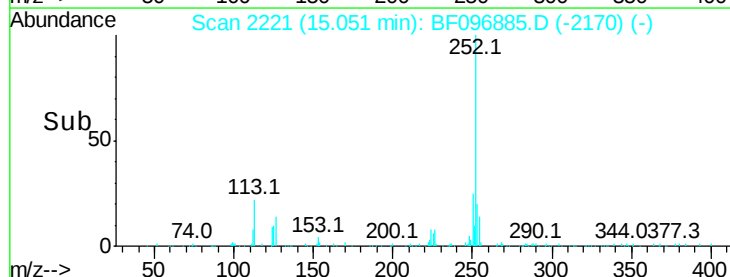
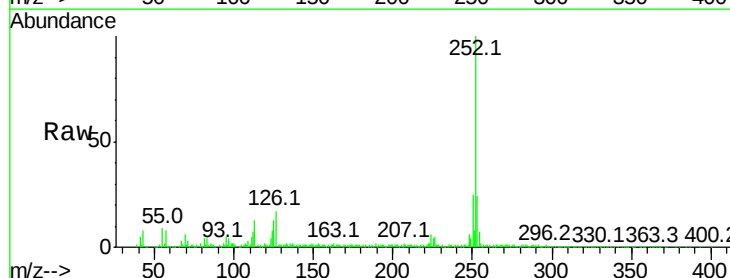
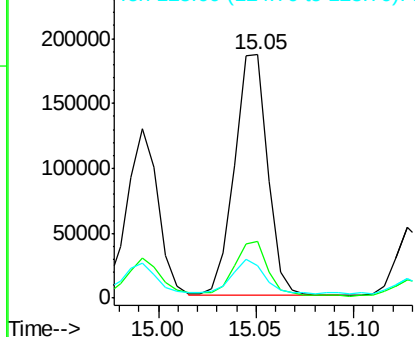
Delta R.T. 0.00 min

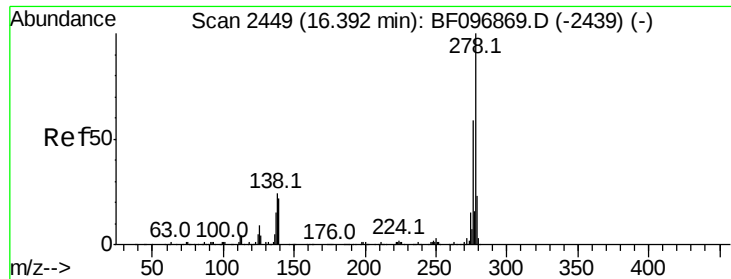
Lab File: BF096885.D

Acq: 19 Jul 2017 22:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	13.2	11.0	16.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





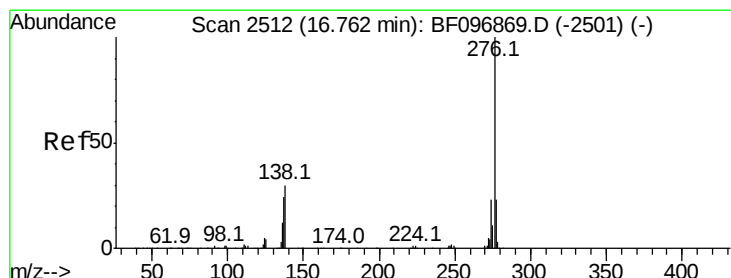
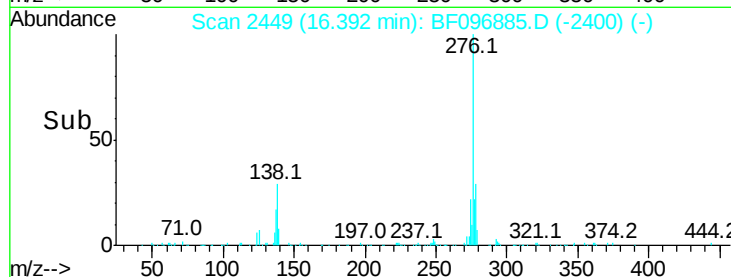
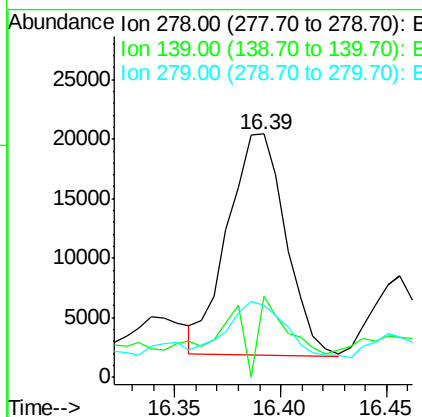
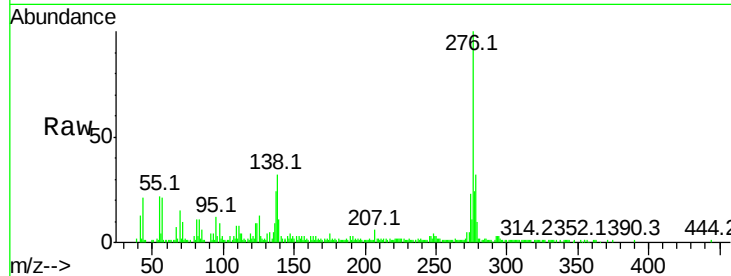
#90
Dibenzo(a,h)anthracene
Concen: 5.139 ng
RT: 16.39 min Scan# 2449
Delta R.T. -0.01 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Instrument :
BNA_F
ClientSampled :
CL-01-071817-D

Tot Ion	Ratio	Lower	Upper
278	100		
139	33.5	16.6	24.8#
279	29.6	19.3	28.9#

Manual Integrations
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7/20/2017 3:05:07 PM



#91
Benzo(g,h,i)perylene
Concen: 17.578 ng
RT: 16.77 min Scan# 2513
Delta R.T. -0.01 min
Lab File: BF096885.D
Acq: 19 Jul 2017 22:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.6	28.0
138	30.4	25.4	38.0

