

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
 Data File : BF096046.D
 Acq On : 20 Jun 2017 15:53
 Operator : SJ/MA
 Sample : I3694-04 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-061417-B

Manual Integrations
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 6/21/2017 2:16:18 PM

Quant Time: Jun 20 16:30:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	78967	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	318144	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	130202	20.00	ng	0.00
63) Phenanthrene-d10	14.53	188	197520	20.00	ng	0.00
75) Chrysene-d12	18.27	240	159151	20.00	ng	0.00
86) Perylene-d12	19.94	264	127095	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	91256	18.41	ng	0.03
7) Phenol-d6	6.89	99	115499	19.47	ng	0.02
23) Nitrobenzene-d5	8.22	82	70484	13.76	ng	0.00
41) 2,4,6-Tribromophenol	13.45	330	18730	16.26	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	151098	16.15	ng	-0.01
78) Terphenyl-d14	16.92	244	93631	14.60	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	11.80	163	26065	2.64	ng	# 98
57) Fluorene	13.04	166	28869	2.85	ng	98
70) Phenanthrene	14.57	178	180500	15.84	ng	97
71) Anthracene	14.67	178	44343	3.73	ng	99
74) Fluoranthene	16.36	202	137269	12.17	ng	86
77) Pyrene	16.67	202	144010	12.13	ng	96
80) Benzo(a)anthracene	18.26	228	61988	6.70	ng	95
82) Chrysene	18.30	228	56199	6.08	ng	97
85) Indeno(1,2,3-cd)pyrene	21.11	276	26476	3.35	ng	# 86
87) Benzo(b)fluoranthene	19.54	252	63324	7.96	ng	# 92
88) Benzo(k)fluoranthene	19.57	252	19474m	2.56	ng	
89) Benzo(a)pyrene	19.89	252	45625	6.24	ng	# 97
91) Benzo(a,h,i)perylene	21.44	276	23668	3.74	ng	# 88

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

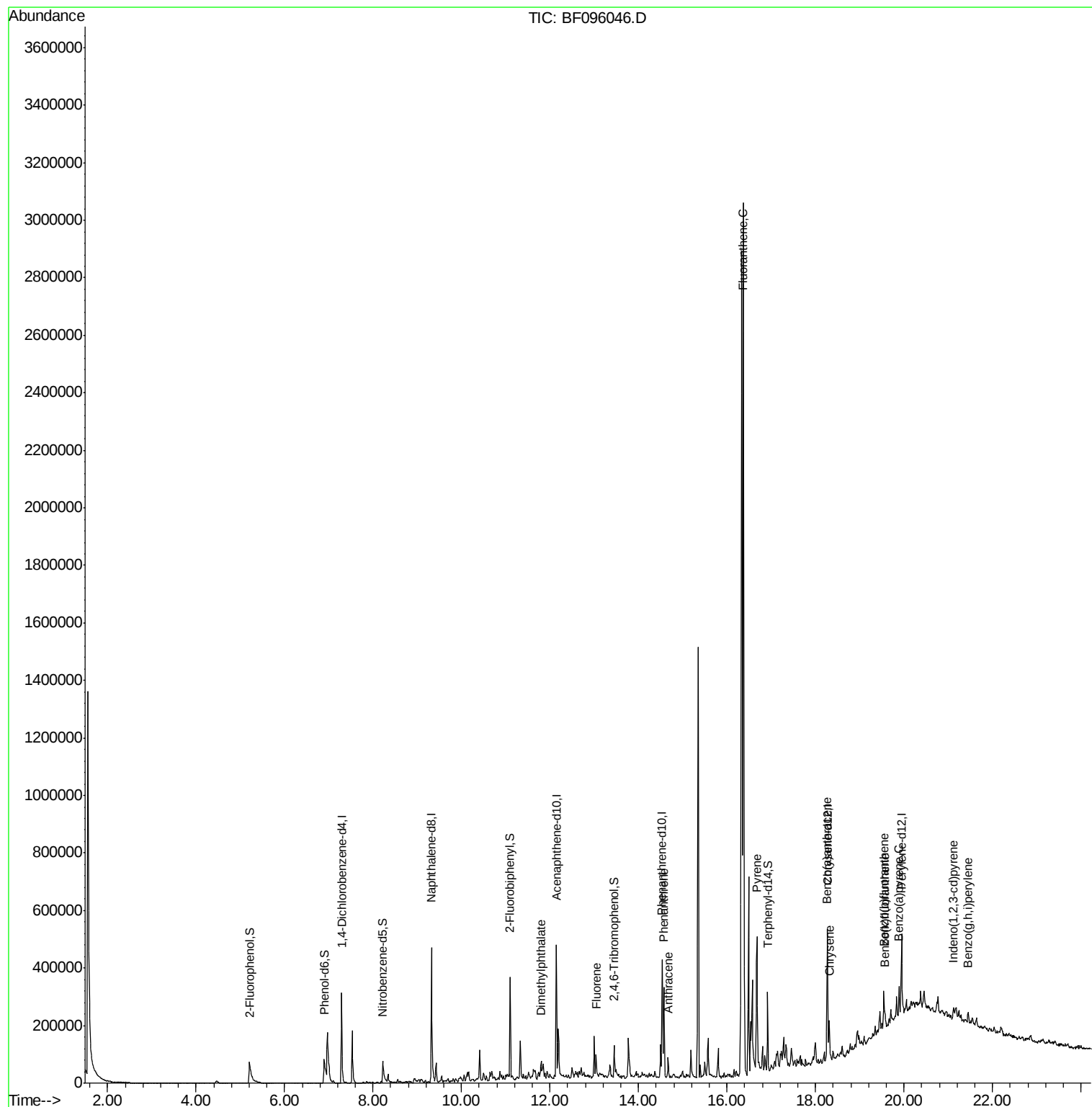
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096046.D
Acq On : 20 Jun 2017 15:53
Operator : SJ/MA
Sample : I3694-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

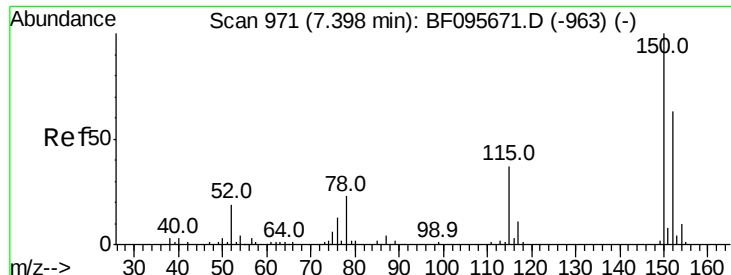
Instrument :
BNA_F
ClientSampleId :
NB-08-061417-B

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Quant Time: Jun 20 16:30:16 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

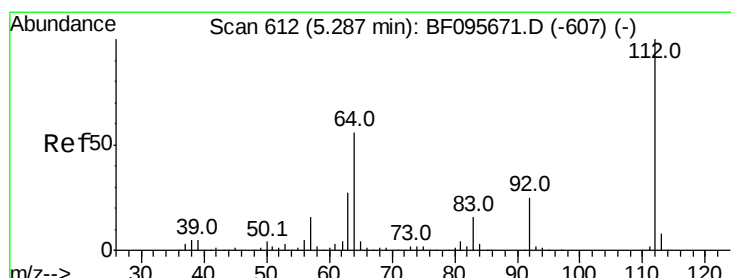
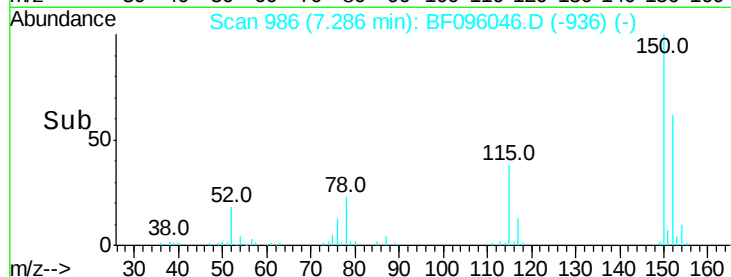
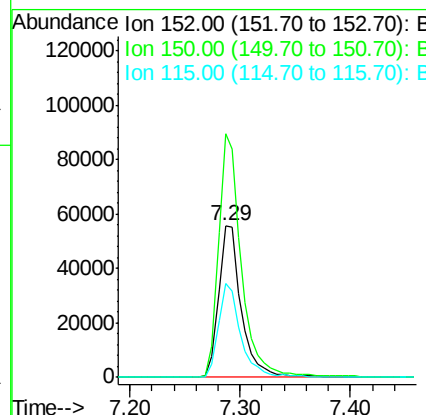
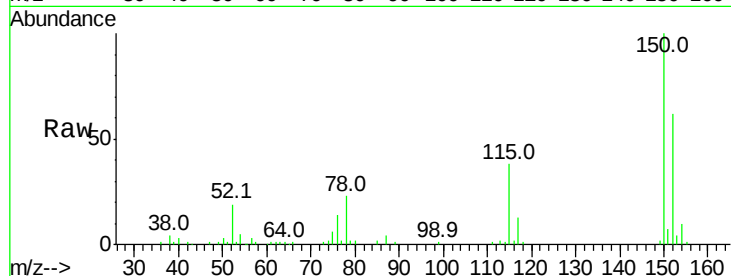
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Instrument :
BNA_F
ClientSampleId :
NB-08-061417-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	126.2	189.2
115	61.6	52.2	78.2

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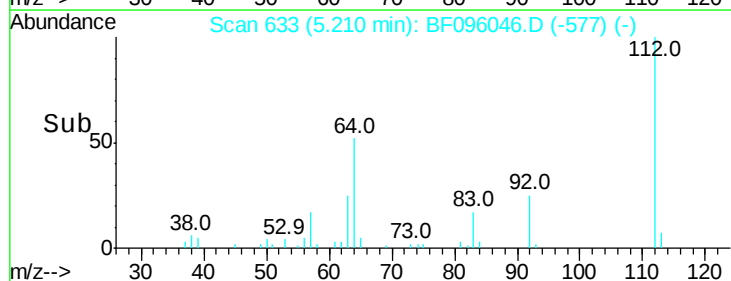
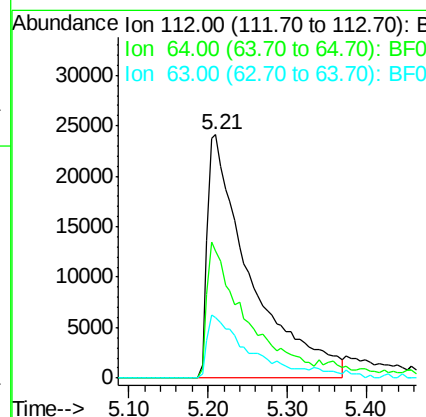
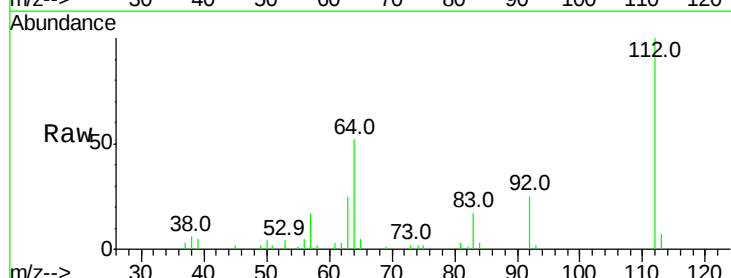
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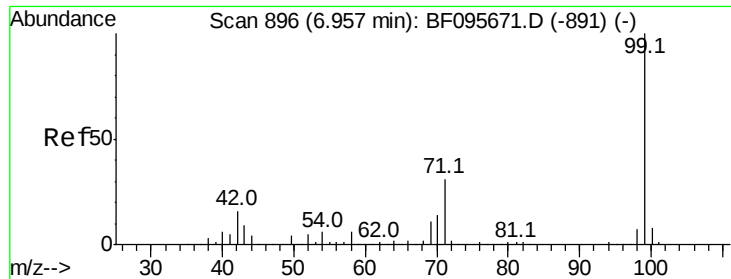


#5

2-Fluorophenol
Concen: 18.41 ng
RT: 5.21 min Scan# 633
Delta R.T. 0.03 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	46.0	69.0
63	25.0	23.4	35.0





#7

Phenol-d6

Concen: 19.47 ng

RT: 6.89 min Scan# 919

Delta R.T. 0.02 min

Lab File: BF096046.D

Acq: 20 Jun 2017 15:53

Instrument :

BNA_F

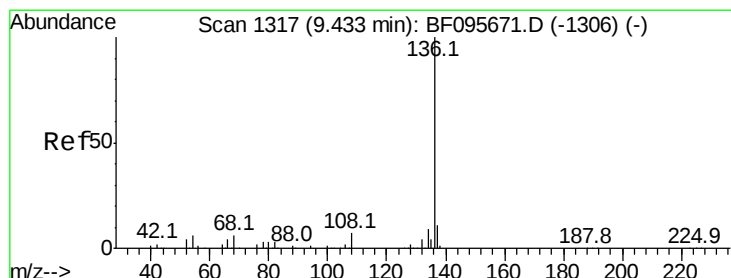
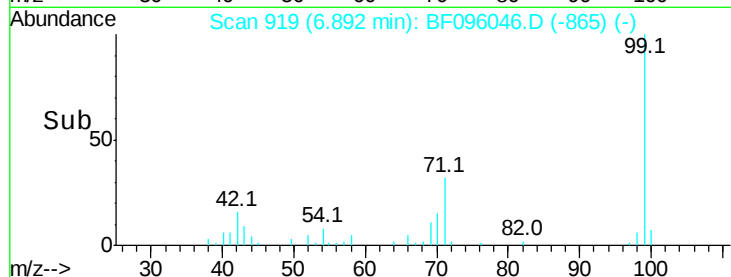
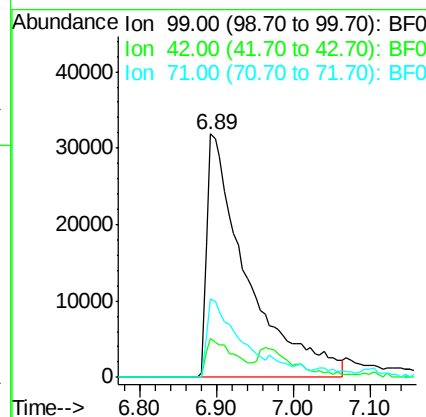
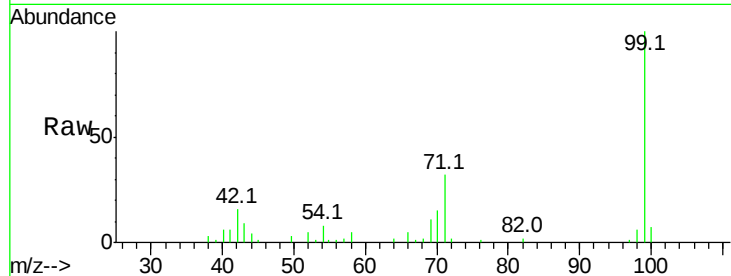
ClientSampleId :

NB-08-061417-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		115499		
42	16.1	13.5	20.3		
71	32.3	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

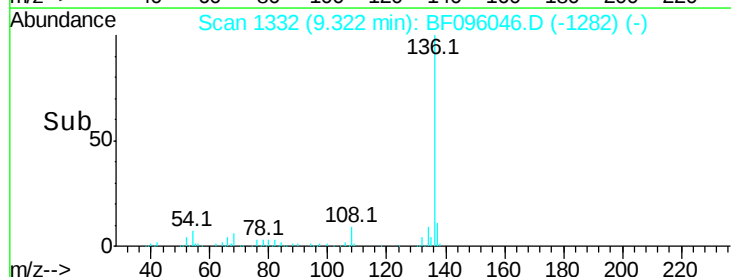
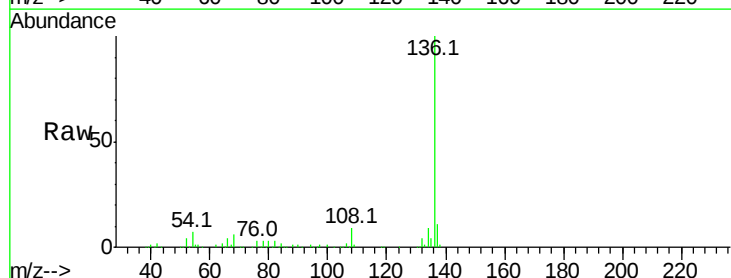
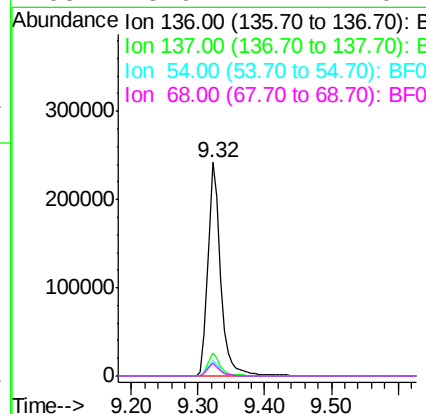
RT: 9.32 min Scan# 1332

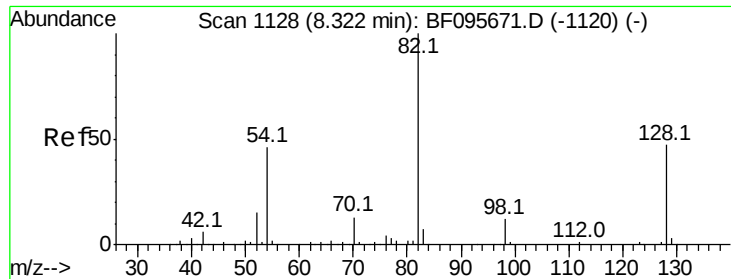
Delta R.T. -0.01 min

Lab File: BF096046.D

Acq: 20 Jun 2017 15:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		318144		
137	10.9	8.5	12.7		
54	7.2	4.9	7.3		
68	5.9	4.1	6.1		





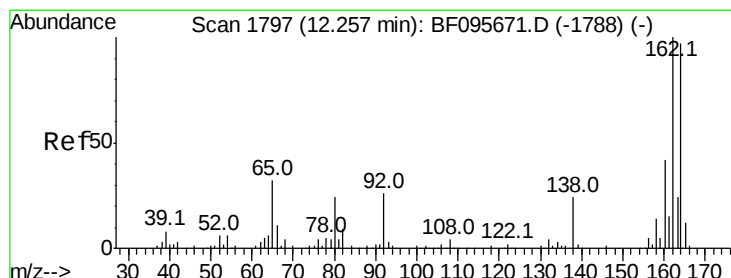
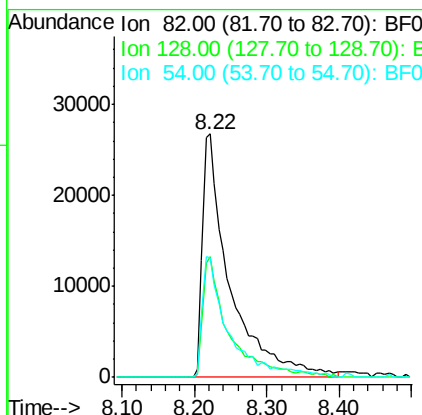
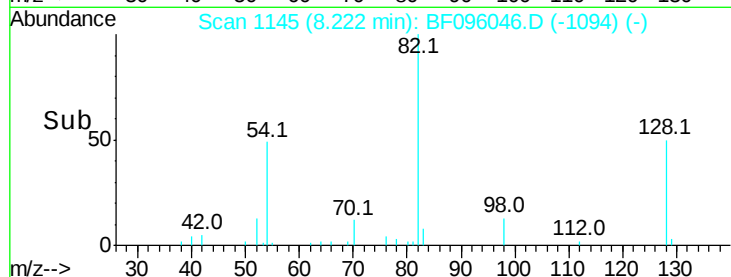
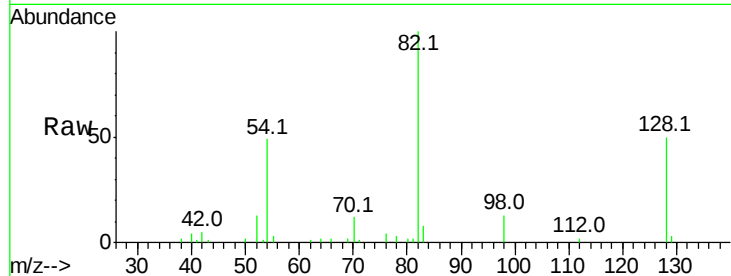
#23
Nitrobenzene-d5
Concen: 13.76 ng
RT: 8.22 min Scan# 1145
Delta R.T. 0.00 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Instrument :
BNA_F
ClientSampleId :
NB-08-061417-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.7	34.0	51.0
54	49.2	42.2	63.2

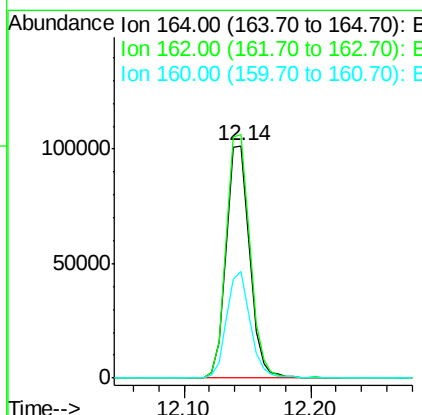
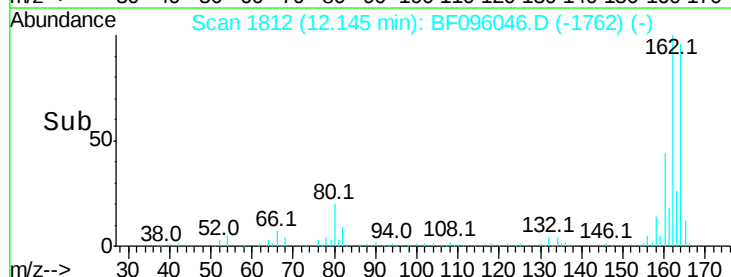
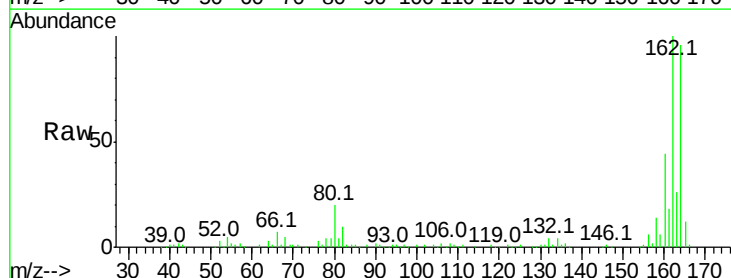
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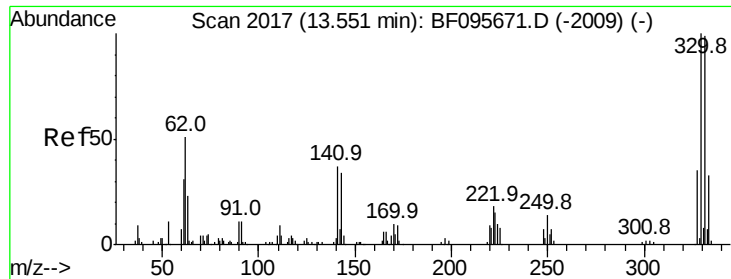
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.14 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.6	123.8
160	46.1	36.2	54.2





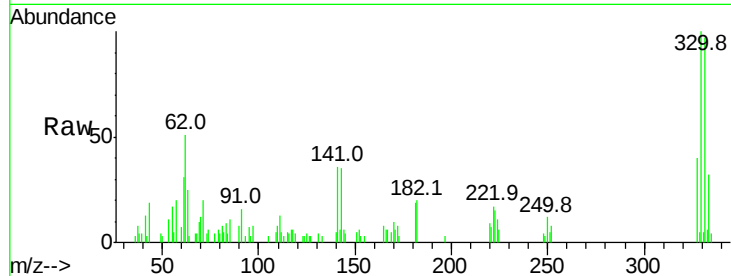
#41
 2,4,6-Tribromophenol
 Concen: 16.26 ng
 RT: 13.45 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF096046.D
 Acq: 20 Jun 2017 15:53

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-061417-B

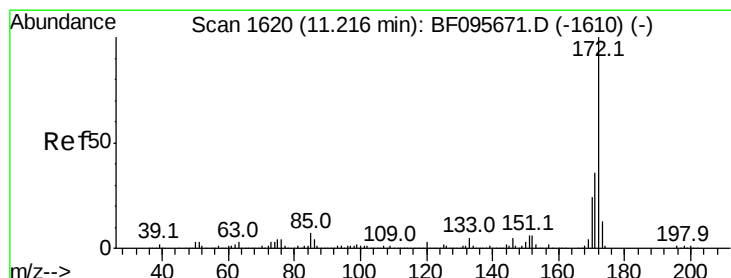
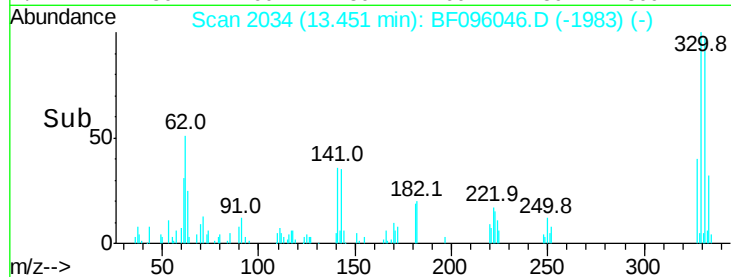
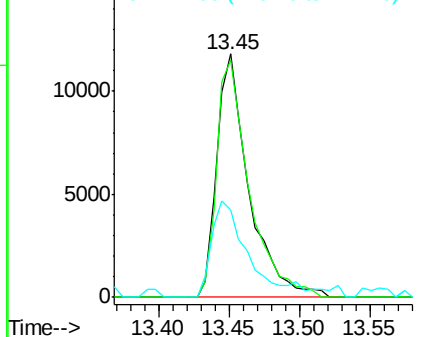
Tot Ion	Ratio	Lower	Upper
330	100		
332	99.3	76.6	115.0
141	46.0	31.4	47.2

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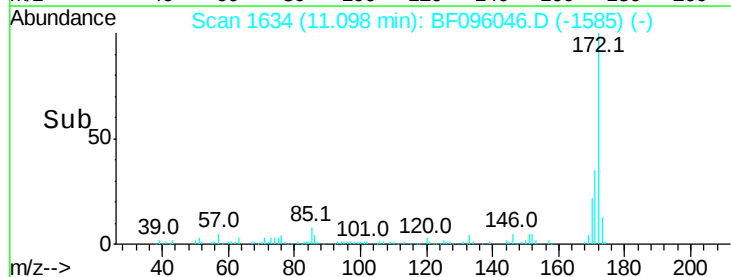
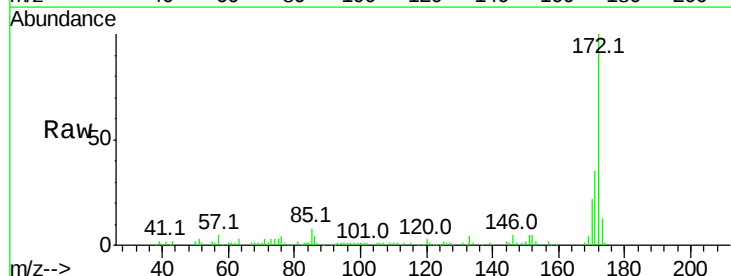
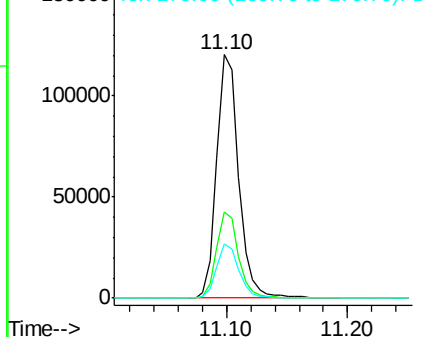
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

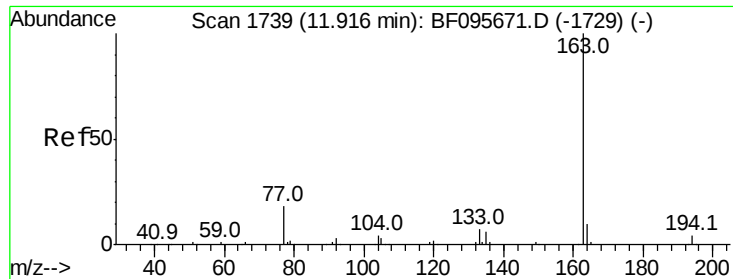


#44
 2-Fluorobiphenyl
 Concen: 16.15 ng
 RT: 11.10 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BF096046.D
 Acq: 20 Jun 2017 15:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	22.4	19.8	29.8

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





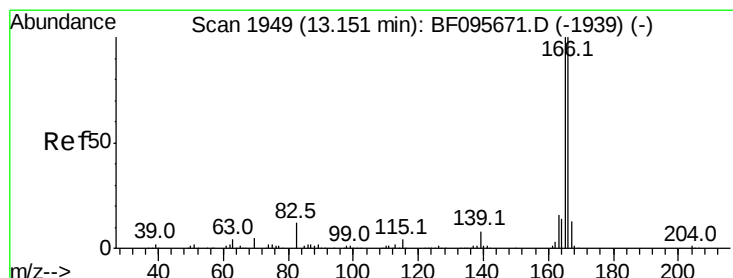
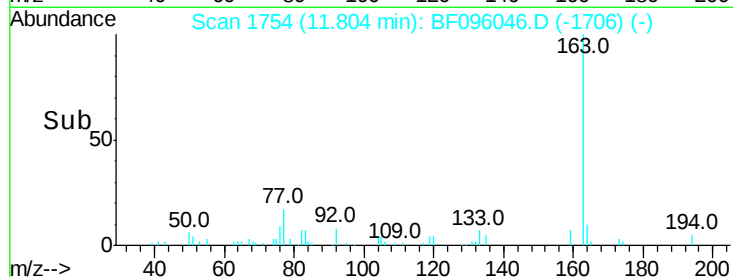
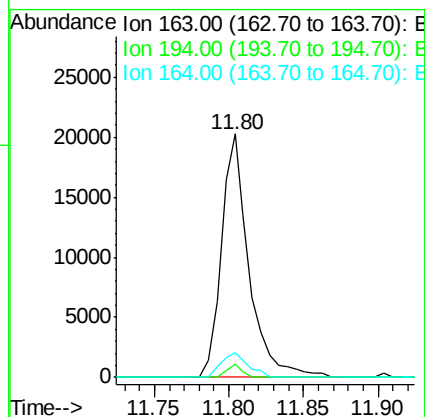
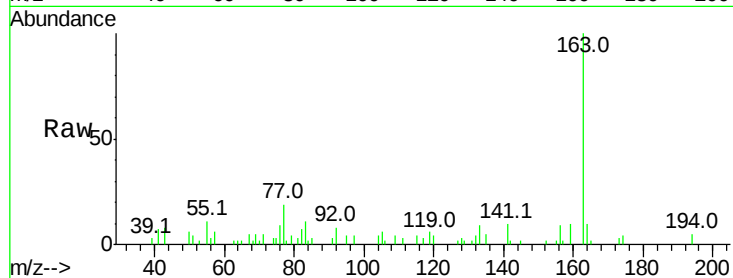
#49
Dimethylphthalate
Concen: 2.64 ng
RT: 11.80 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Instrument :
BNA_F
ClientSampled :
NB-08-061417-B

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.4	2.6	4.0#
164	10.2	8.4	12.6

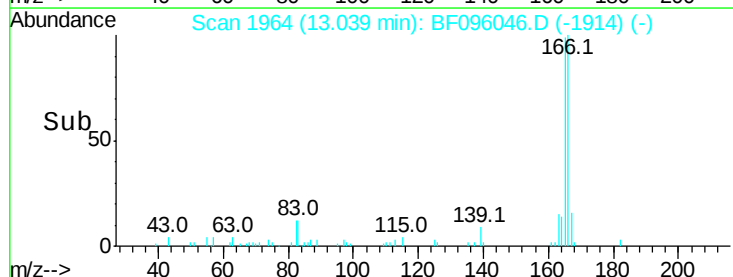
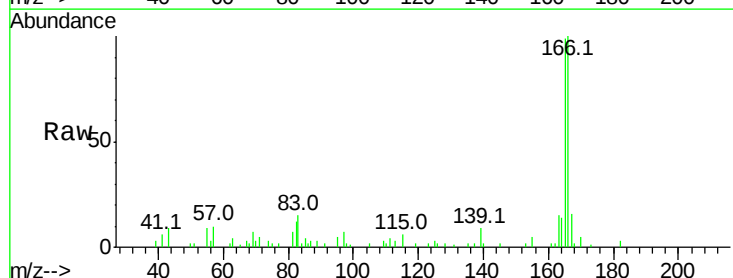
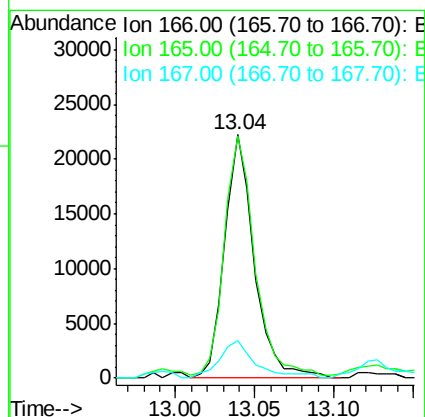
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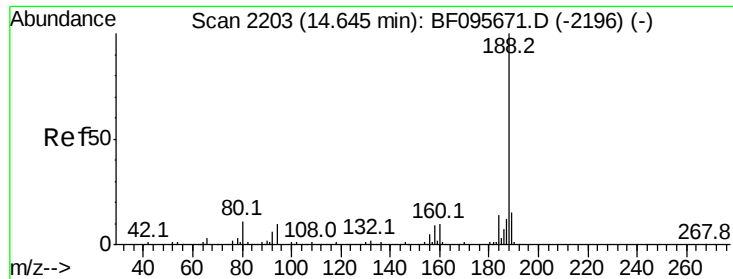
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#57
Fluorene
Concen: 2.85 ng
RT: 13.04 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.8	118.2
167	15.6	10.6	16.0





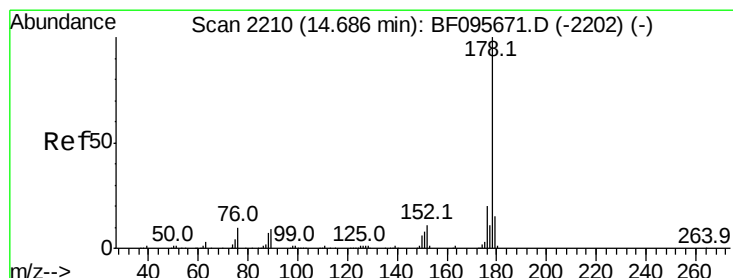
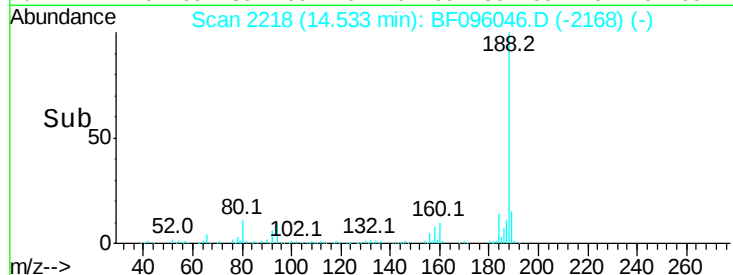
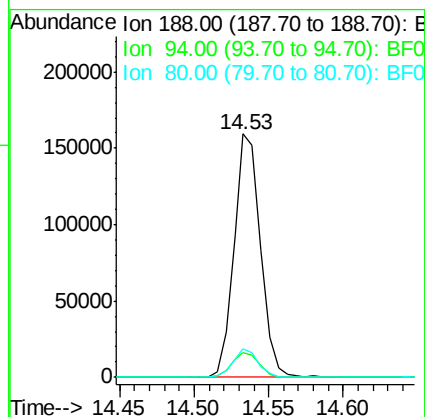
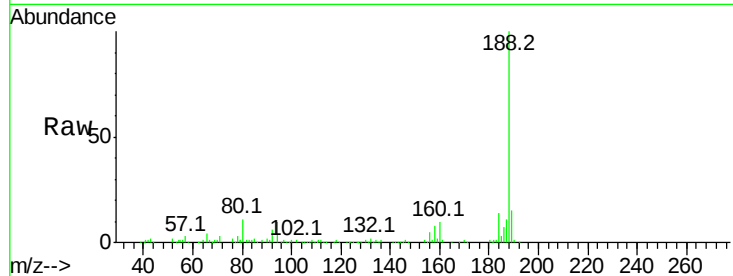
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.53 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Instrument :
BNA_F
ClientSampleId :
NB-08-061417-B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.2	9.4	14.2
80	11.5	10.2	15.2

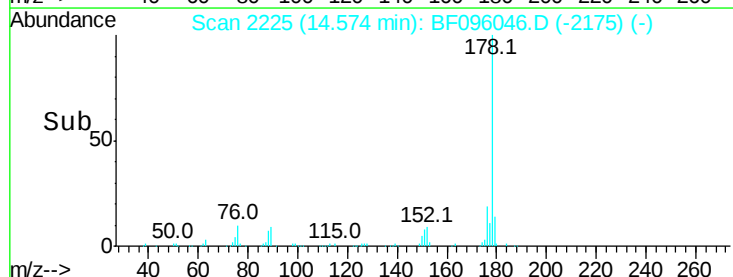
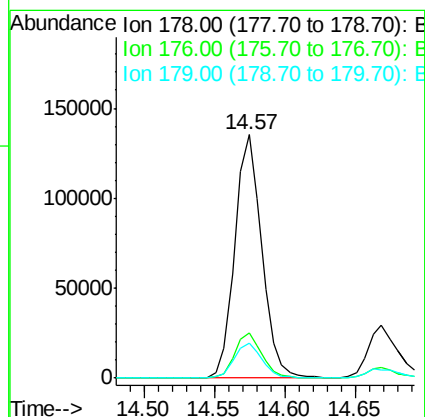
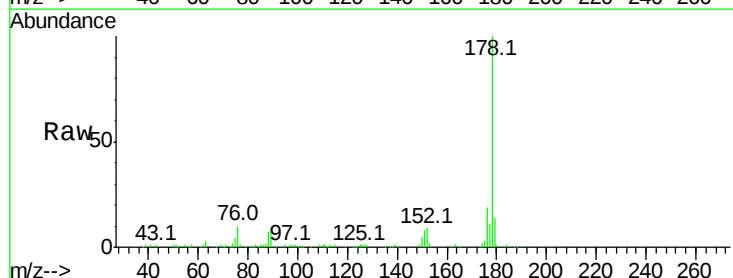
Manual Integrations
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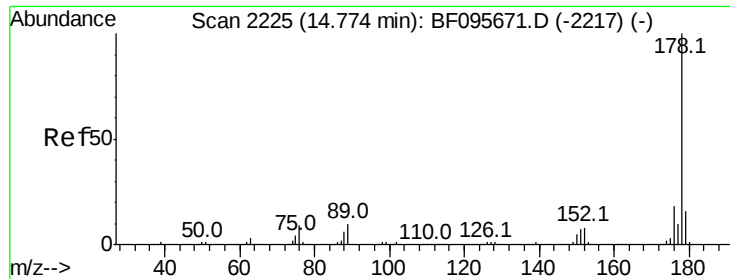
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#70
Phenanthrene
Concen: 15.84 ng
RT: 14.57 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	16.2	24.4
179	14.5	12.6	19.0





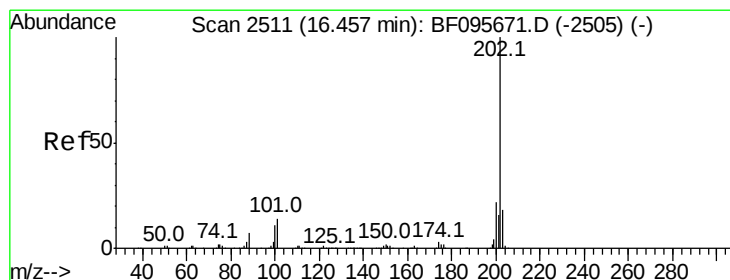
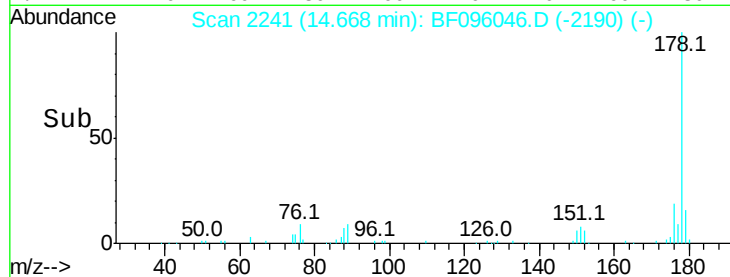
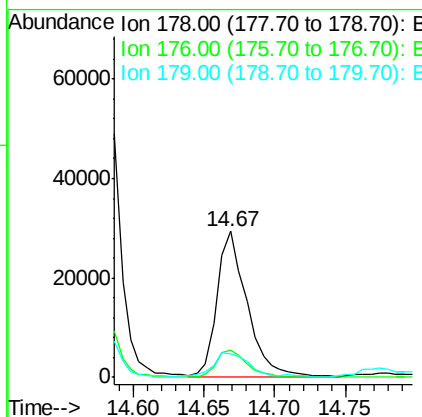
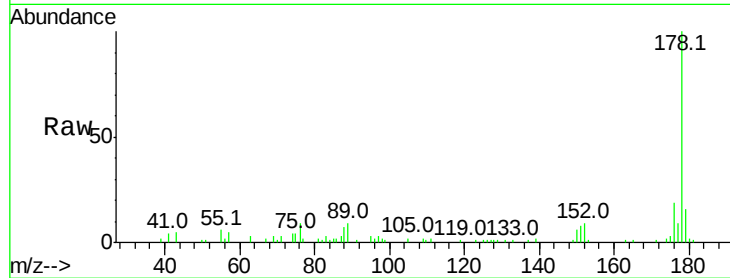
#71
 Anthracene
 Concen: 3.73 ng
 RT: 14.67 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: BF096046.D
 Acq: 20 Jun 2017 15:53

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-061417-B

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

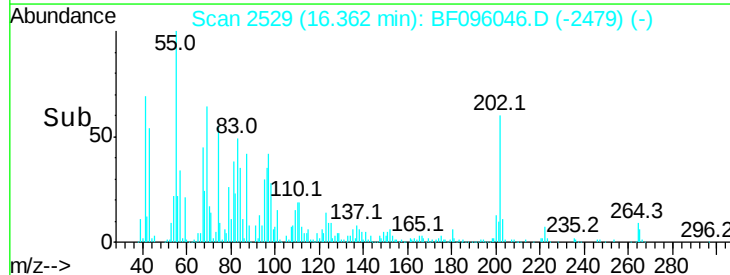
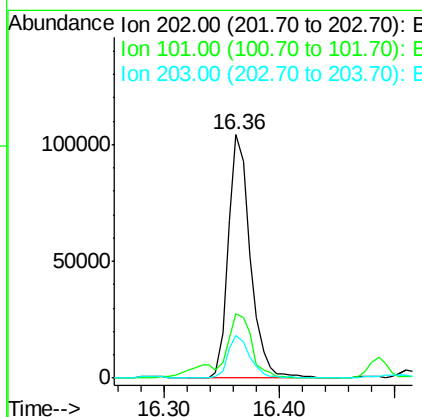
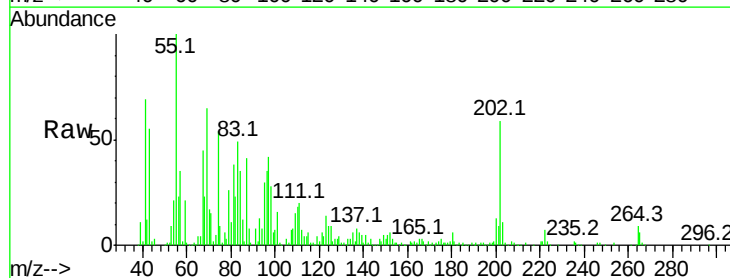
Manual Integrations
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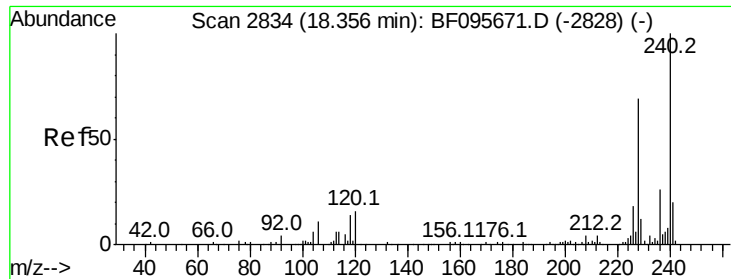
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#74
 Fluoranthene
 Concen: 12.17 ng
 RT: 16.36 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BF096046.D
 Acq: 20 Jun 2017 15:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	26.2	0.0	33.2
203	17.8	0.0	38.1





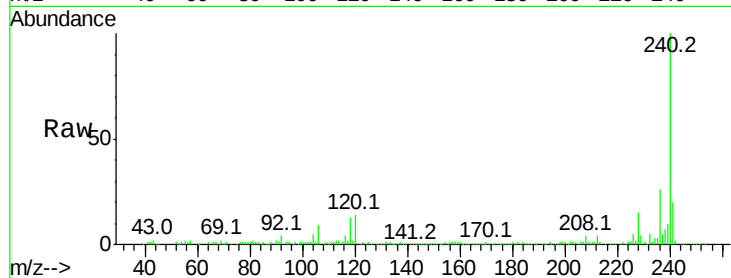
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.27 min Scan# 2853
Delta R.T. -0.01 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Instrument :
BNA_F
ClientSampleId :
NB-08-061417-B

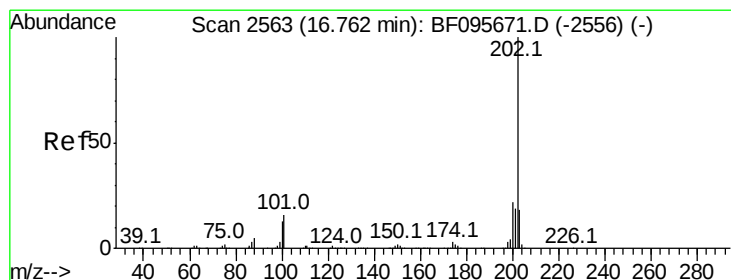
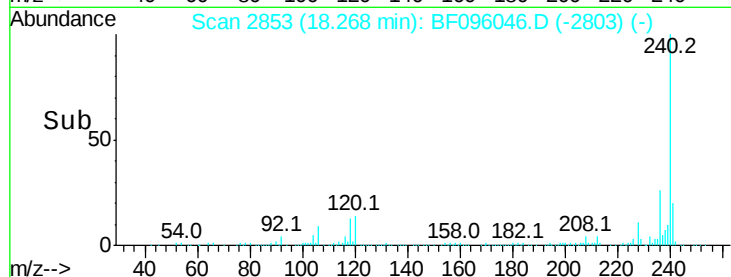
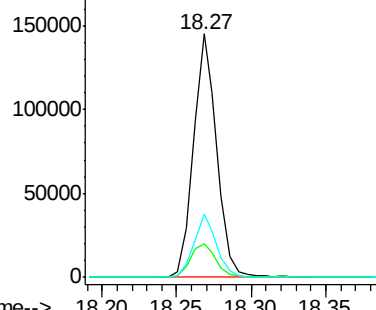
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.6	5.8	8.8#
236	25.9	20.5	30.7

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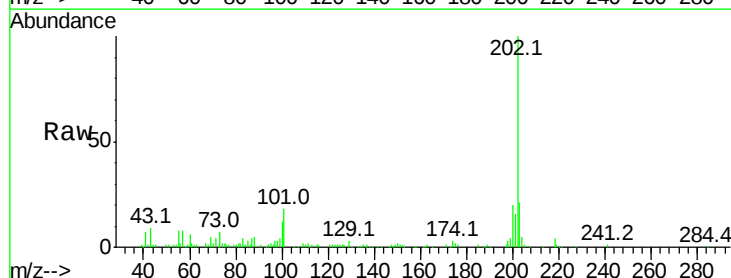


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

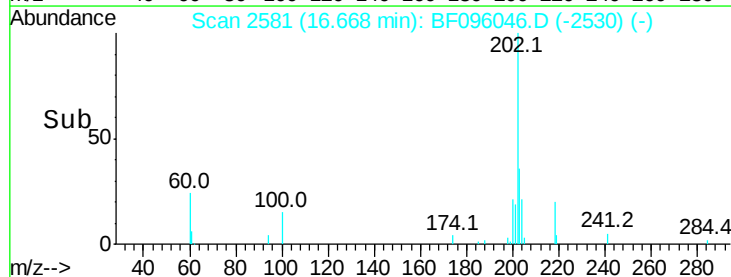
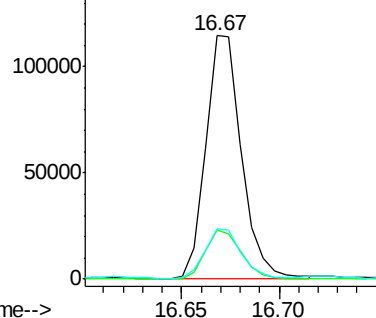


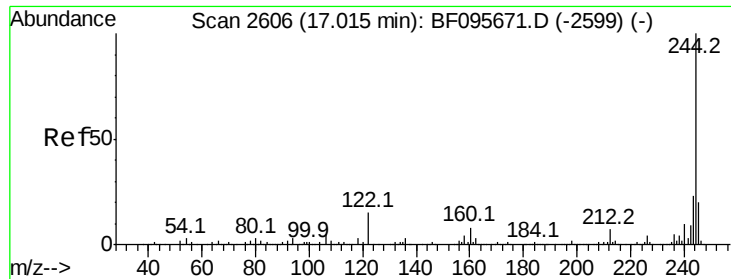
#77
Pyrene
Concen: 12.13 ng
RT: 16.67 min Scan# 2581
Delta R.T. 0.00 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.6	26.4
203	20.6	14.4	21.6



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





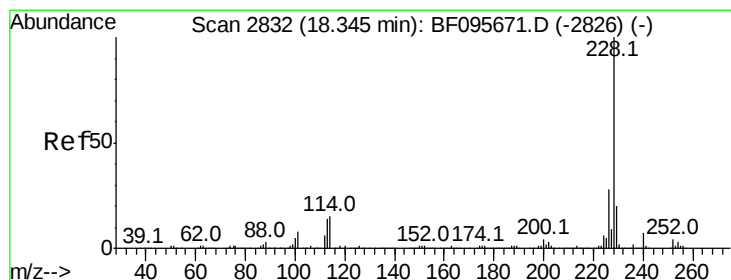
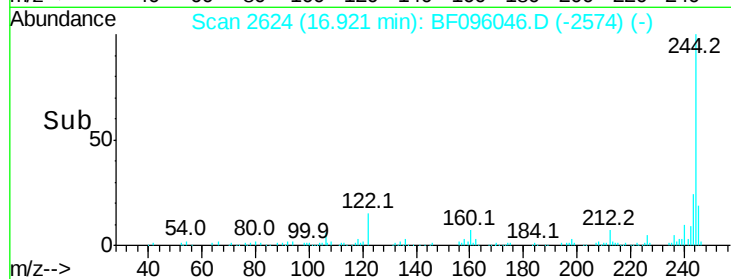
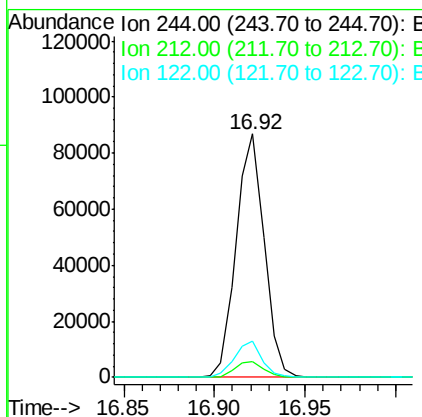
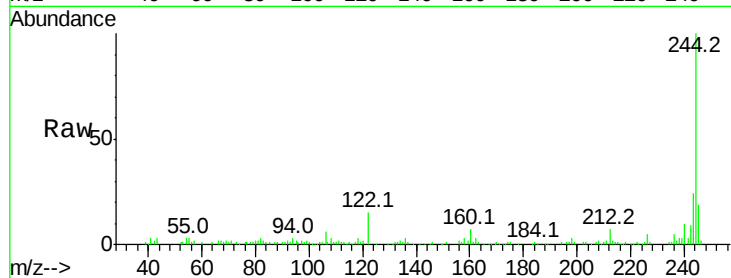
#78
 Terphenyl-d14
 Concen: 14.60 ng
 RT: 16.92 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: BF096046.D
 Acq: 20 Jun 2017 15:53

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-061417-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	14.8	10.3	15.5

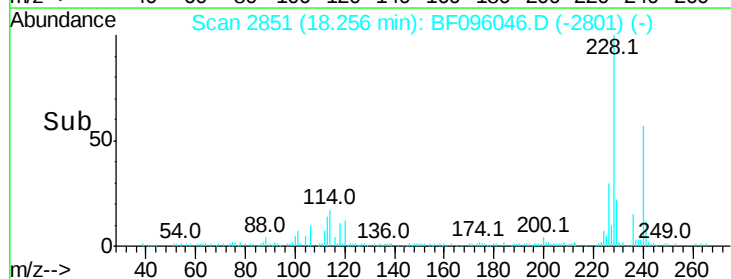
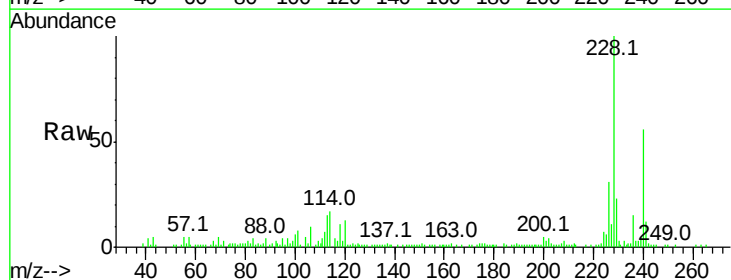
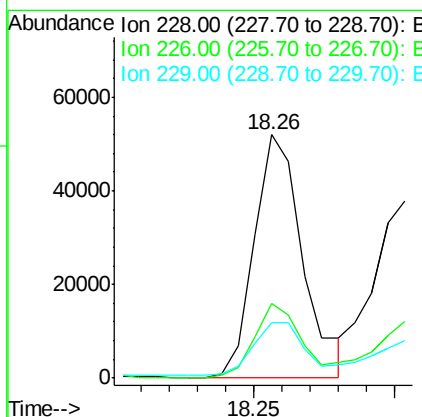
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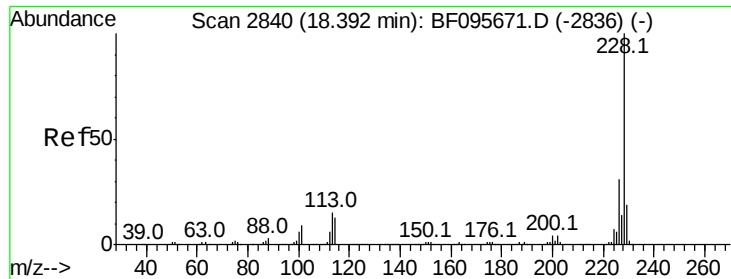
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#80
 Benzo(a)anthracene
 Concen: 6.70 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BF096046.D
 Acq: 20 Jun 2017 15:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	22.7	16.3	24.5





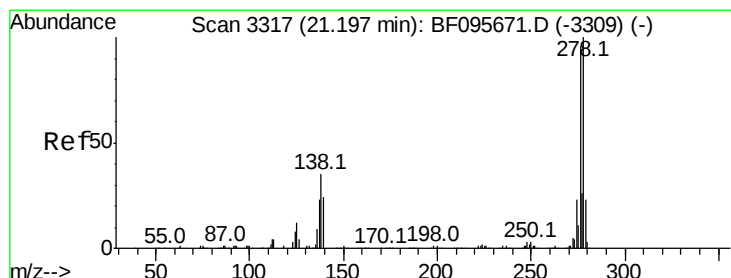
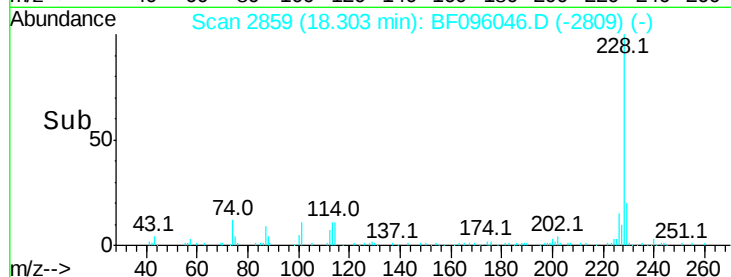
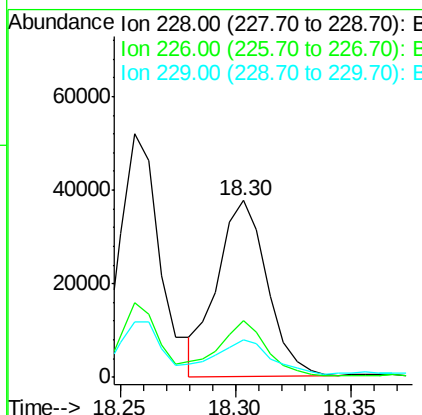
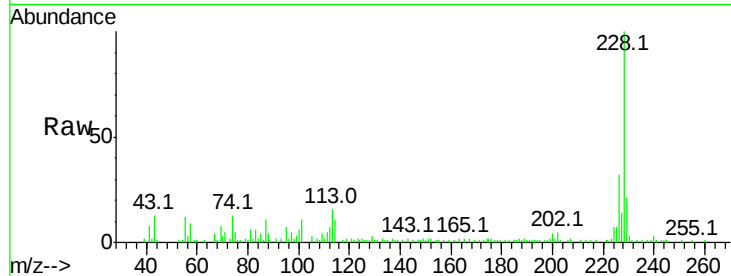
#82
Chrysene
Concen: 6.08 ng
RT: 18.30 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Instrument :
BNA_F
ClientSampleId :
NB-08-061417-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.9	37.3
229	21.3	15.8	23.6

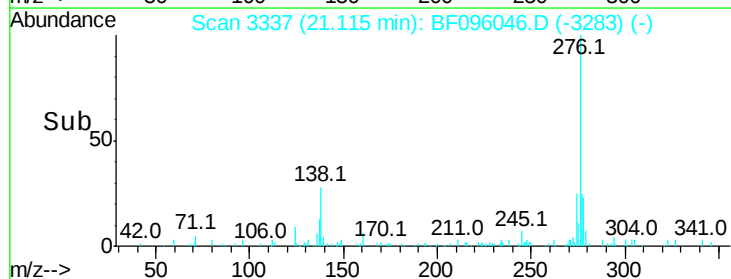
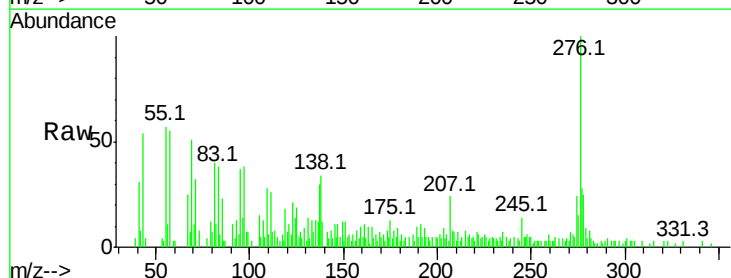
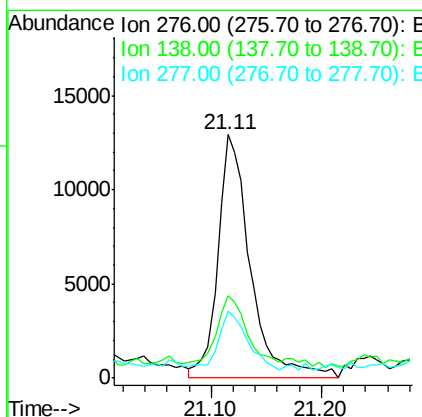
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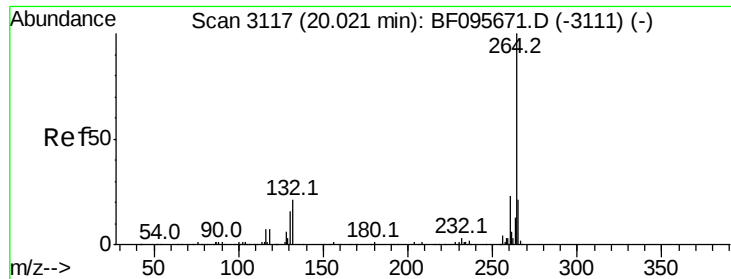
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.35 ng
RT: 21.11 min Scan# 3337
Delta R.T. 0.02 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	27.8	41.6#
277	21.4	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 19.94 min Scan# 3138

Delta R.T. 0.01 min

Lab File: BF096046.D

Acq: 20 Jun 2017 15:53

Instrument :

BNA_F

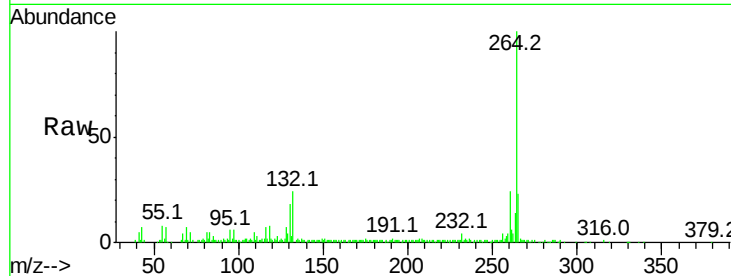
ClientSampleId :

NB-08-061417-B

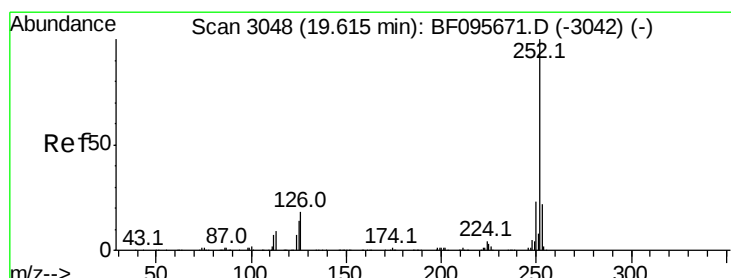
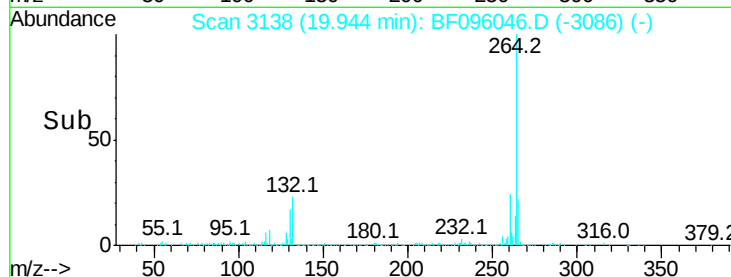
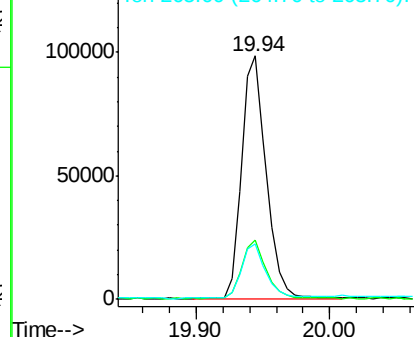
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.8	17.2	25.8

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 7.96 ng

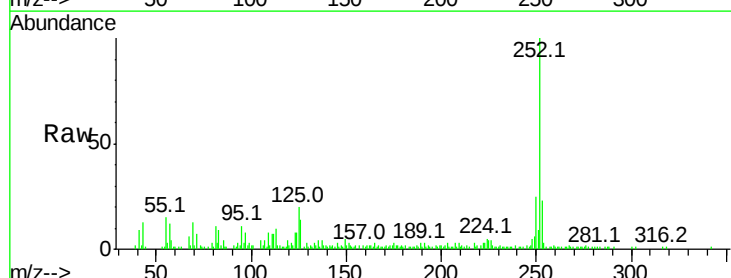
RT: 19.54 min Scan# 3070

Delta R.T. 0.01 min

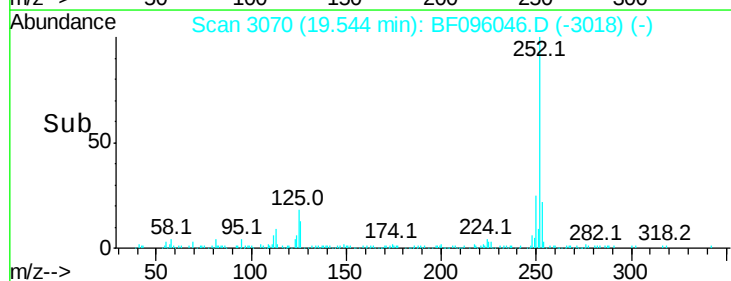
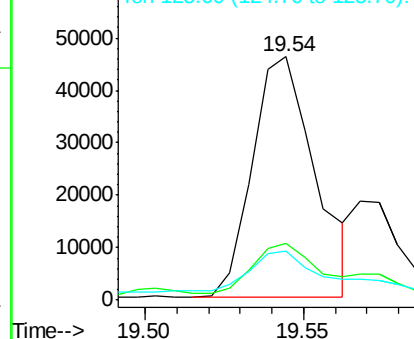
Lab File: BF096046.D

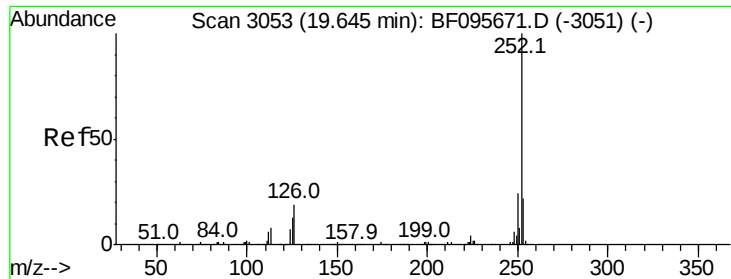
Acq: 20 Jun 2017 15:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	20.1	9.8	14.8#



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





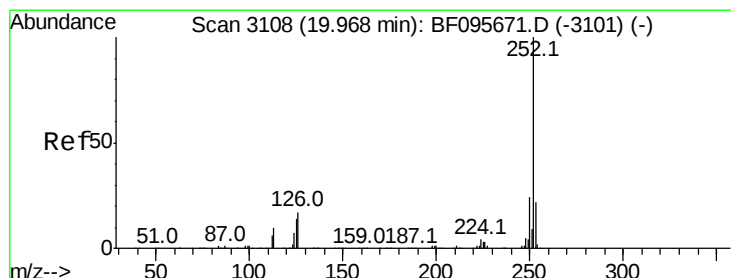
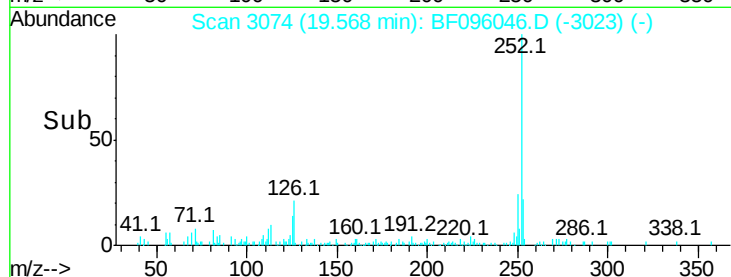
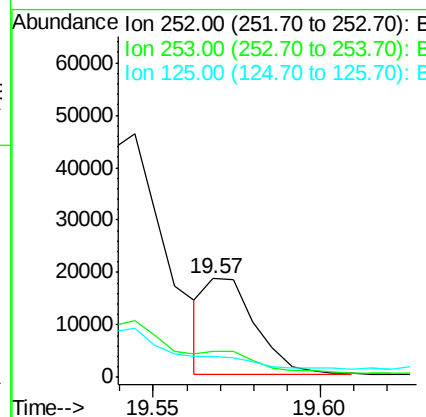
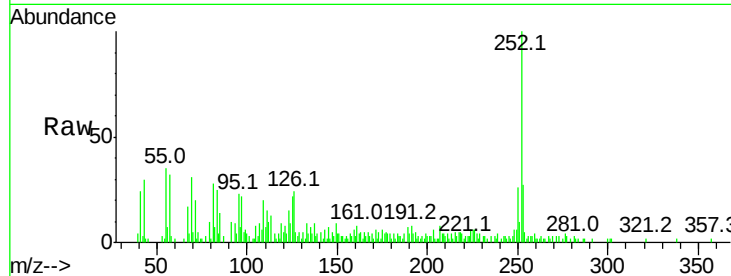
#88
Benzo(k)fluoranthene
Concen: 2.56 ng m
RT: 19.57 min Scan# 3074
Delta R.T. 0.00 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Instrument :
BNA_F
ClientSampleId :
NB-08-061417-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.4	27.6
125	21.7	13.1	19.7

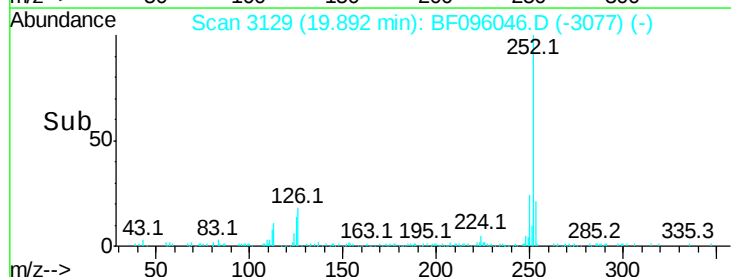
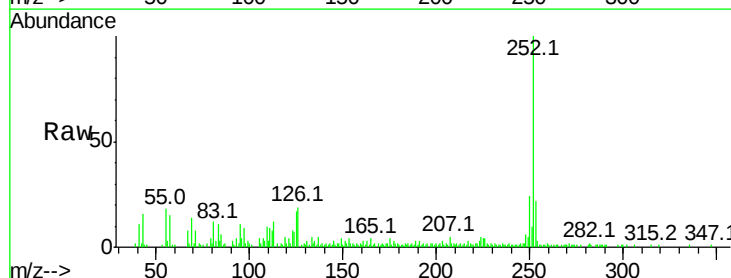
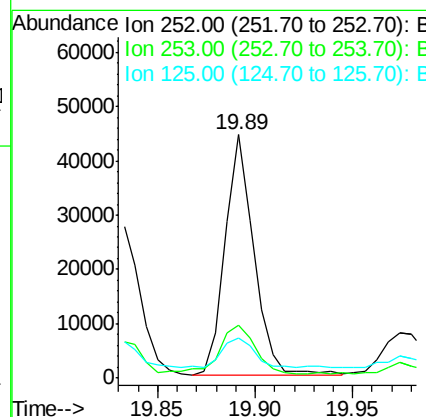
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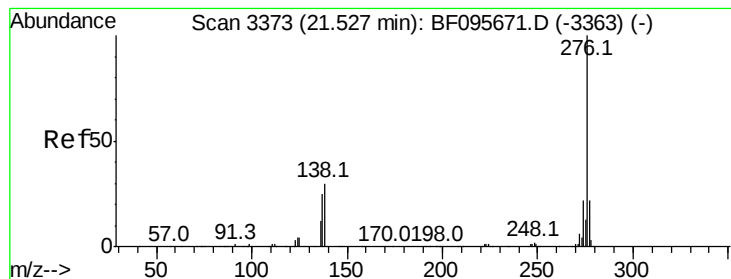
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#89
Benzo(a)pyrene
Concen: 6.24 ng
RT: 19.89 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BF096046.D
Acq: 20 Jun 2017 15:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	16.7	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 3.74 ng

RT: 21.44 min Scan# 3393

Delta R.T. 0.02 min

Lab File: BF096046.D

Acq: 20 Jun 2017 15:53

Instrument :

BNA_F

ClientSampleId :

NB-08-061417-B

Tot Ion: 276 Resp: 23668

Ion Ratio Lower Upper

276 100

277 30.0 18.6 28.0#

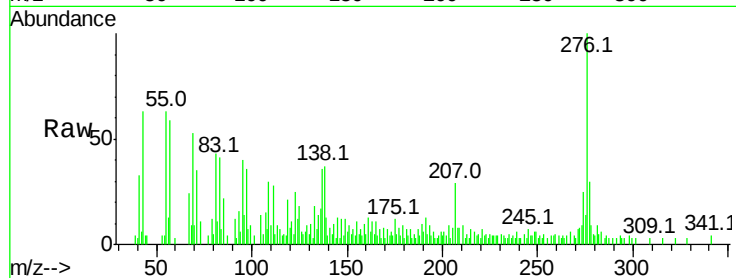
138 37.4 25.4 38.0

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

