

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
 Data File : BF096023.D
 Acq On : 20 Jun 2017 2:29
 Operator : SJ/MA
 Sample : I3688-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G20-1.5-3

Manual Integrations
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Quant Time: Jun 20 04:17:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 17:12:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	73739	20.00	ng	-0.02
21) Naphthalene-d8	9.33	136	290124	20.00	ng	-0.02
38) Acenaphthene-d10	12.16	164	114527	20.00	ng	-0.02
63) Phenanthrene-d10	14.55	188	165612	20.00	ng	-0.02
75) Chrysene-d12	18.28	240	139271	20.00	ng	-0.02
86) Perylene-d12	19.96	264	115182	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	615079	132.91	ng	-0.02
7) Phenol-d6	6.88	99	727788	131.37	ng	-0.03
23) Nitrobenzene-d5	8.23	82	420839	90.09	ng	-0.02
41) 2,4,6-Tribromophenol	13.46	330	105721	104.33	ng	-0.02
44) 2-Fluorobiphenyl	11.12	172	750590	91.20	ng	-0.02
78) Terphenyl-d14	16.93	244	436823	77.84	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.37	128	99625	6.84	ng	98
37) 2-Methylnaphthalene	10.50	142	67749	6.89	ng	95
48) Acenaphthylene	11.93	152	60176	4.77	ng	99
49) Dimethylphthalate	11.82	163	233344	26.83	ng	98
54) Dibenzofuran	12.50	168	40258	3.93	ng	98
70) Phenanthrene	14.59	178	150385	15.74	ng	98
71) Anthracene	14.68	178	67608m	6.78	ng	
72) Carbazole	15.00	167	21671	2.23	ng	97
73) Di-n-butylphthalate	15.57	149	23190	2.24	ng	99
74) Fluoranthene	16.37	202	271049	28.66	ng	99
77) Pyrene	16.68	202	253761	24.42	ng	97
80) Benzo(a)anthracene	18.27	228	168729m	20.84	ng	
82) Chrysene	18.32	228	185651	22.94	ng	98
83) Bis(2-ethylhexyl)phthalate	18.35	149	24654	3.85	ng	# 99
85) Indeno(1,2,3-cd)pyrene	21.12	276	83464	12.05	ng	95
87) Benzo(b)fluoranthene	19.55	252	260509m	36.12	ng	
88) Benzo(k)fluoranthene	19.57	252	79438m	11.52	ng	
89) Benzo(a)pyrene	19.90	252	125684	18.96	ng	95
90) Dibenzo(a,h)anthracene	21.11	278	35780	6.36	ng	# 84
91) Benzo(a,h,i)perylene	21.45	276	75420	13.16	ng	98

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

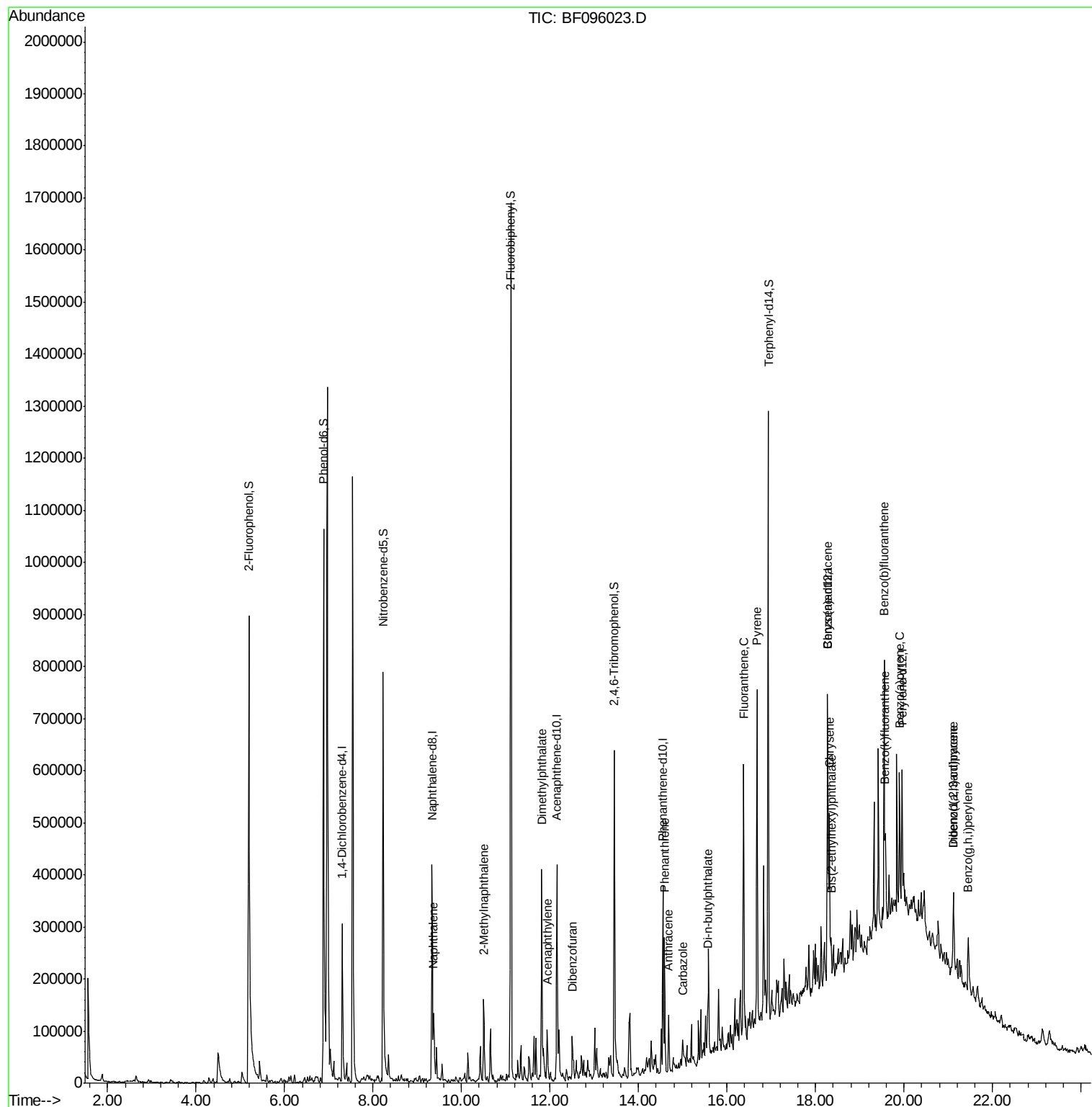
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
Data File : BF096023.D
Acq On : 20 Jun 2017 2:29
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Sample : I3688-06
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ALS Vial : 24 Sample Multiplier: 1

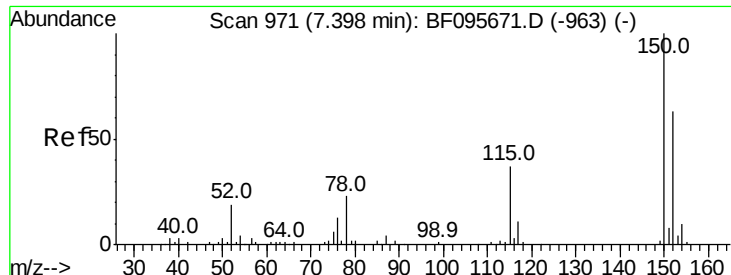
Instrument :
BNA_F
ClientSampleId :
G20-1.5-3

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Quant Time: Jun 20 04:17:30 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

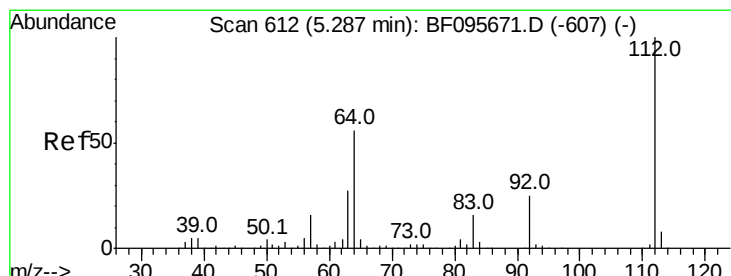
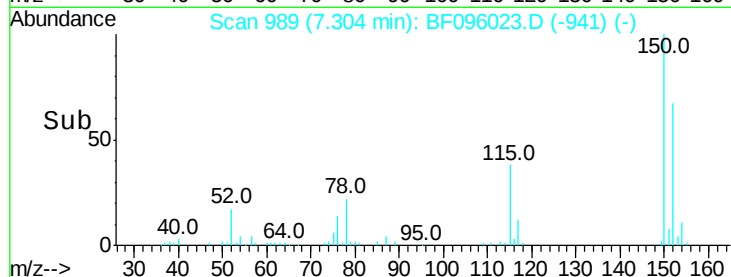
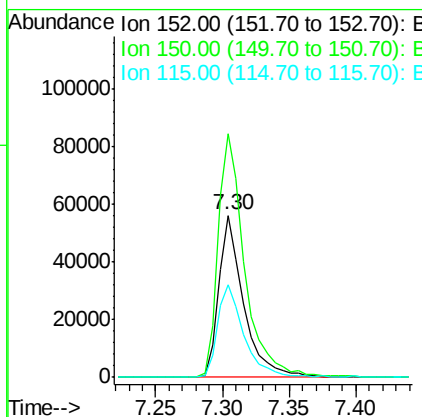
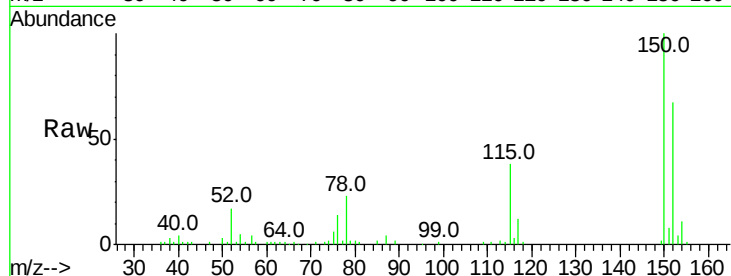
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.30 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Instrument :
BNA_F
ClientSampleId :
G20-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	126.2	189.2
115	56.9	52.2	78.2

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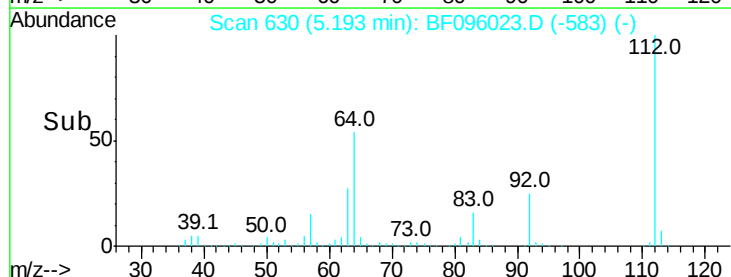
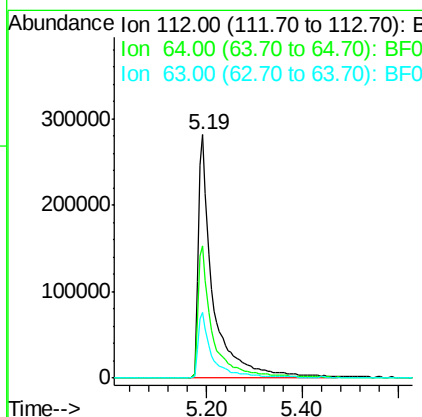
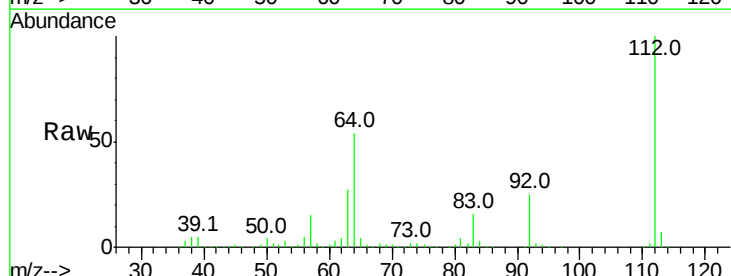
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#5

2-Fluorophenol
Concen: 132.91 ng
RT: 5.19 min Scan# 630
Delta R.T. -0.02 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	46.0	69.0
63	26.9	23.4	35.0





#7

Phenol-d6

Concen: 131.37 ng

RT: 6.88 min Scan# 917

Delta R.T. -0.03 min

Lab File: BF096023.D

Acq: 20 Jun 2017 2:29

Instrument :

BNA_F

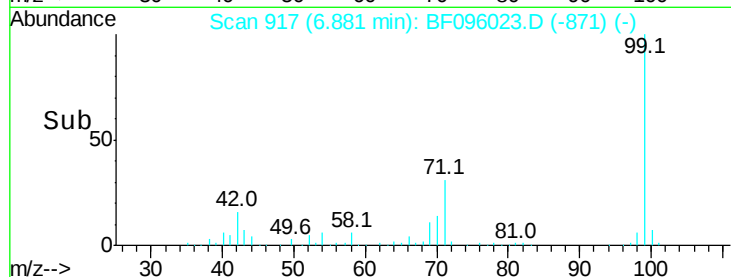
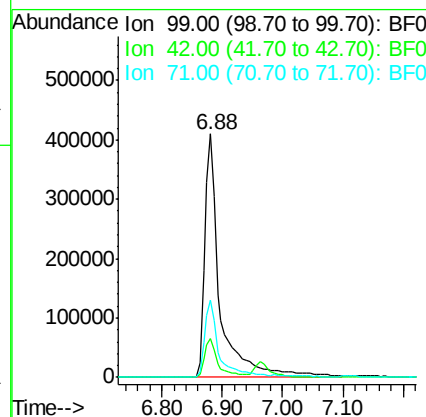
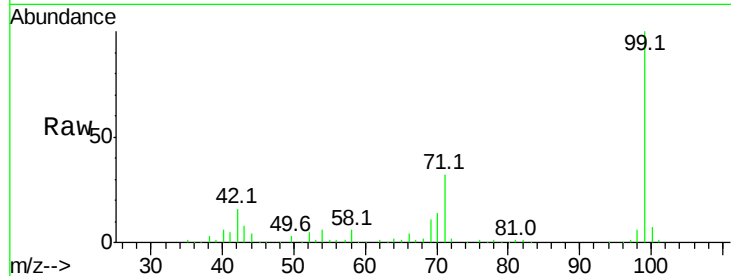
ClientSampled :

G20-1.5-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		727788		
42	15.9	13.5	20.3		
71	31.6	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

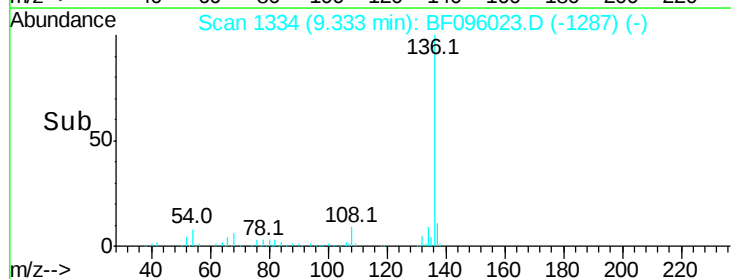
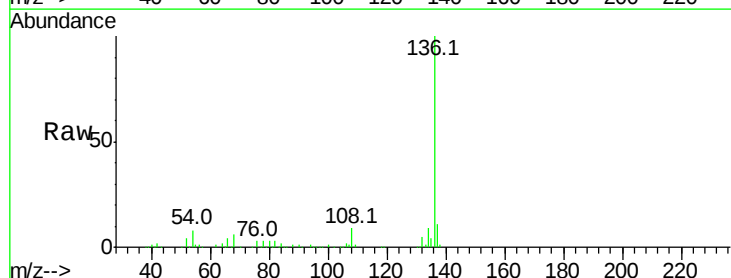
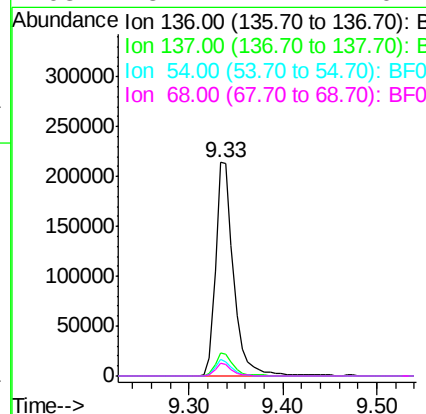
RT: 9.33 min Scan# 1334

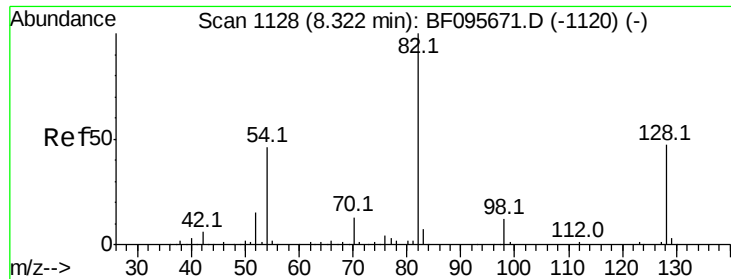
Delta R.T. -0.02 min

Lab File: BF096023.D

Acq: 20 Jun 2017 2:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		290124		
137	10.8	8.5	12.7		
54	7.5	4.9	7.3#		
68	5.7	4.1	6.1		





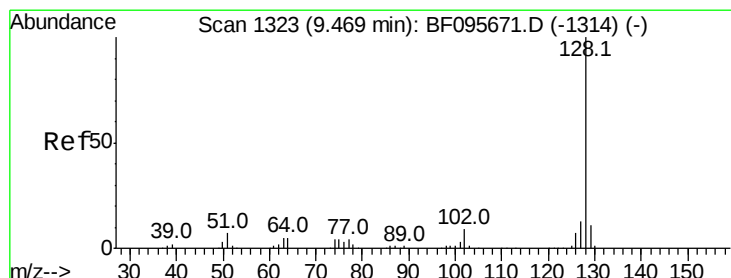
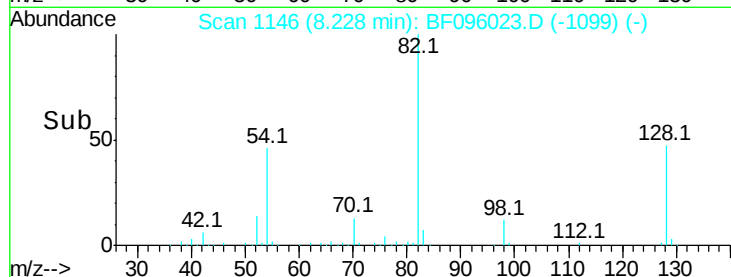
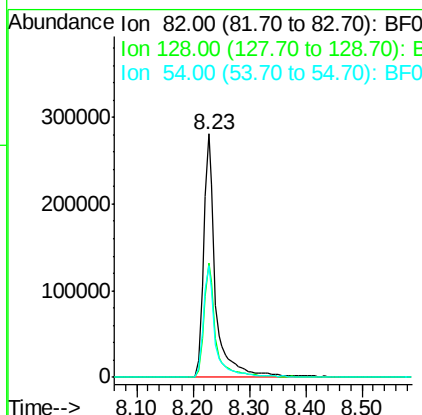
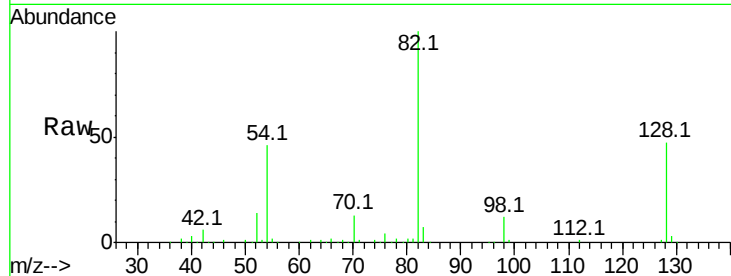
#23
Nitrobenzene-d5
Concen: 90.09 ng
RT: 8.23 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Instrument :
BNA_F
ClientSampleId :
G20-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.9	34.0	51.0	
54	46.2	42.2	63.2	

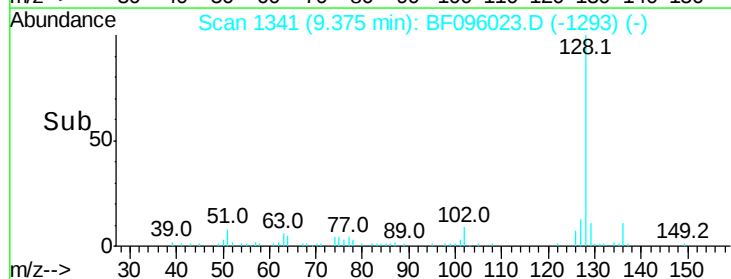
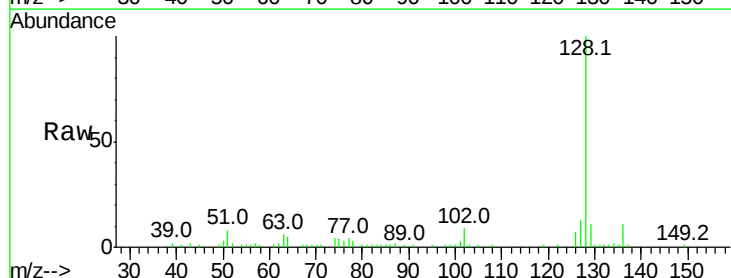
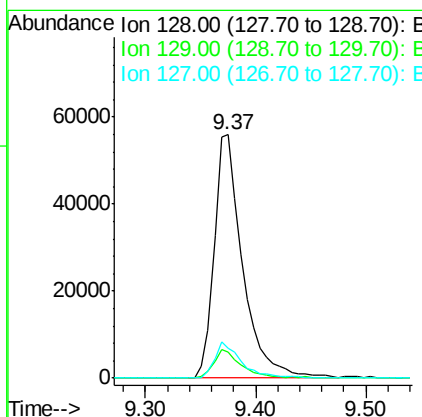
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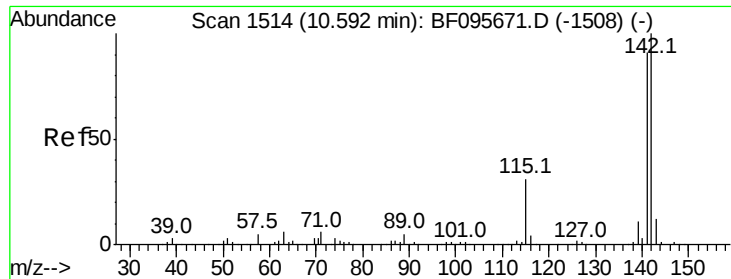
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#31
Naphthalene
Concen: 6.84 ng
RT: 9.37 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.7	9.0	13.6	
127	12.5	10.8	16.2	





#37

2-Methylnaphthalene

Concen: 6.89 ng

RT: 10.50 min Scan# 1533

Delta R.T. -0.01 min

Lab File: BF096023.D

Acq: 20 Jun 2017 2:29

Instrument :

BNA_F

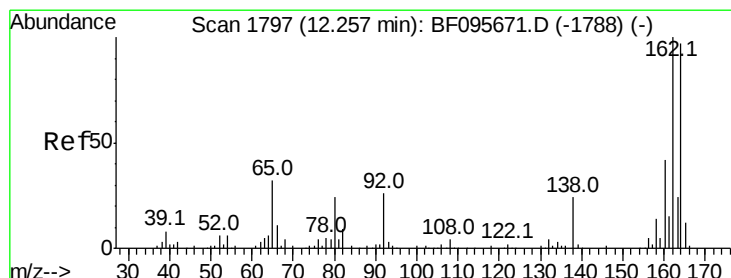
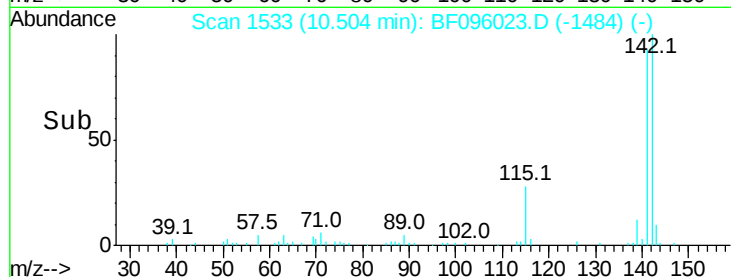
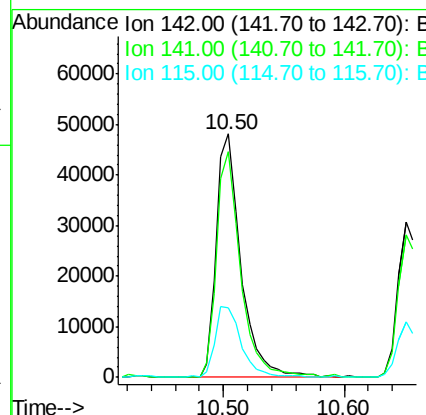
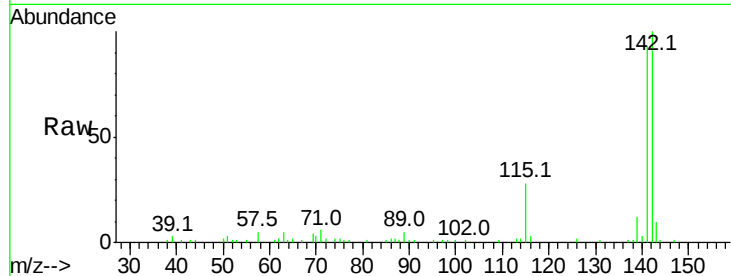
ClientSampleId :

G20-1.5-3

Tot Ion:	142	Resp:	67749
Ion Ratio	Lower	Upper	
142	100		
141	92.7	71.3	106.9
115	28.3	27.1	40.7

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#38

Acenaphthene-d10

Concen: 20.00 ng

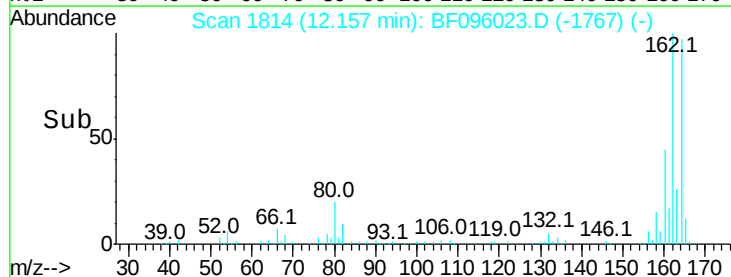
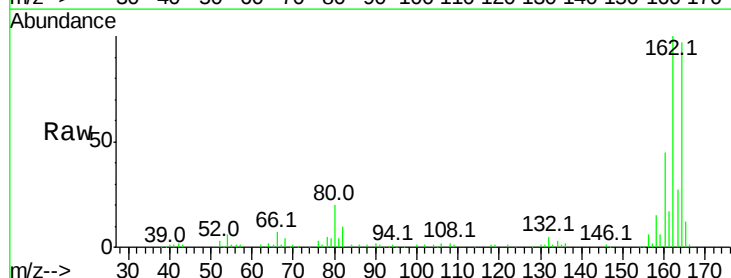
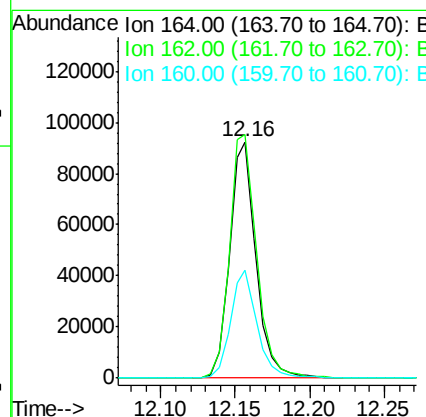
RT: 12.16 min Scan# 1814

Delta R.T. -0.02 min

Lab File: BF096023.D

Acq: 20 Jun 2017 2:29

Tgt Ion:	164	Resp:	114527
Ion Ratio	Lower	Upper	
164	100		
162	102.9	82.6	123.8
160	45.9	36.2	54.2





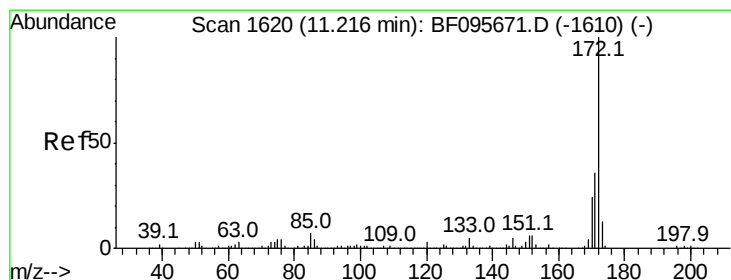
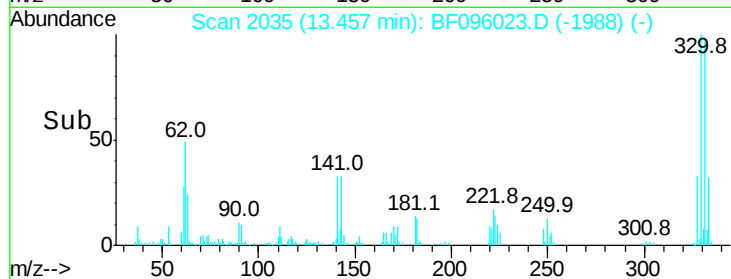
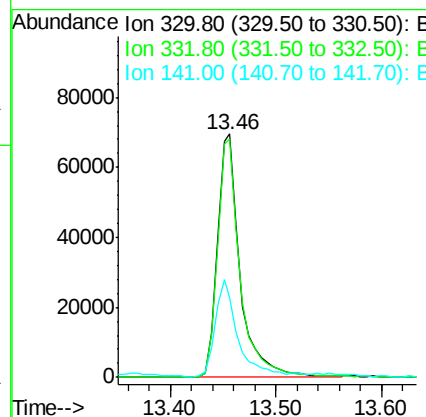
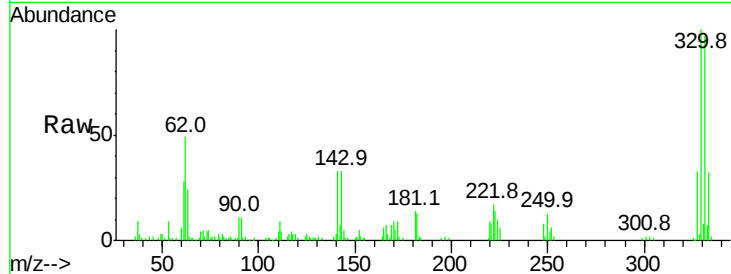
#41
 2,4,6-Tribromophenol
 Concen: 104.33 ng
 RT: 13.46 min Scan# 2035
 Delta R.T. -0.02 min
 Lab File: BF096023.D
 Acq: 20 Jun 2017 2:29

Instrument :
 BNA_F
 ClientSampleId :
 G20-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	105721		
332	98.0	76.6	115.0	
141	41.1	31.4	47.2	

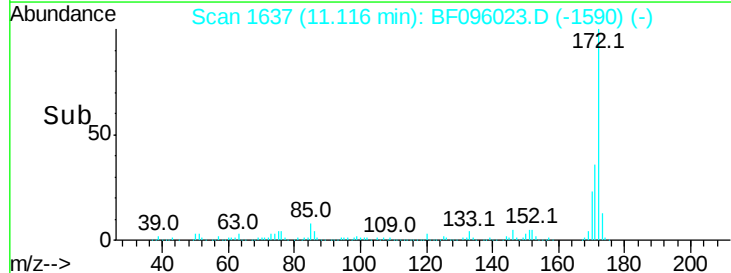
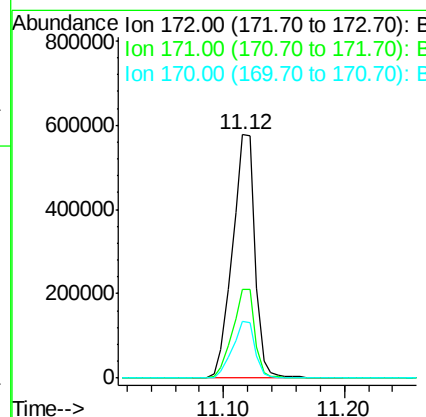
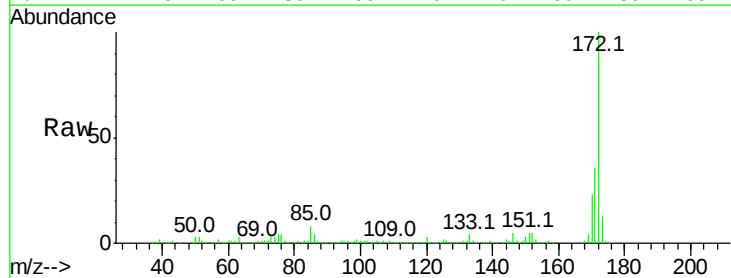
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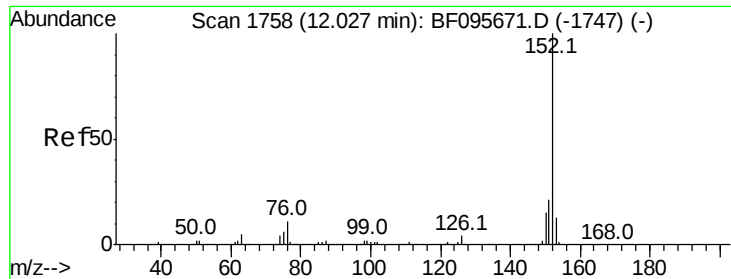
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#44
 2-Fluorobiphenyl
 Concen: 91.20 ng
 RT: 11.12 min Scan# 1637
 Delta R.T. -0.02 min
 Lab File: BF096023.D
 Acq: 20 Jun 2017 2:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	750590		
171	36.3	29.6	44.4	
170	23.2	19.8	29.8	





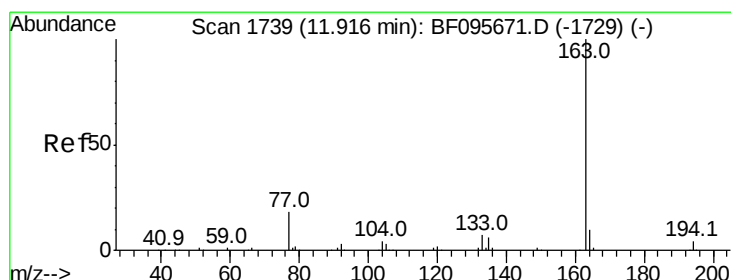
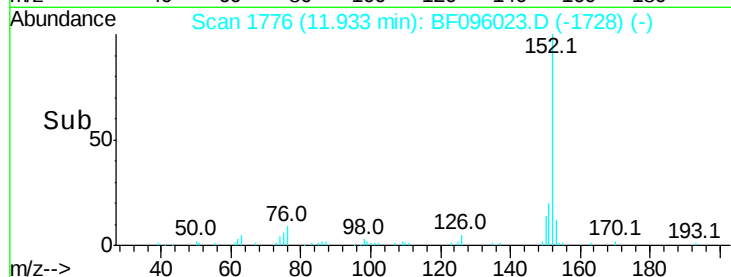
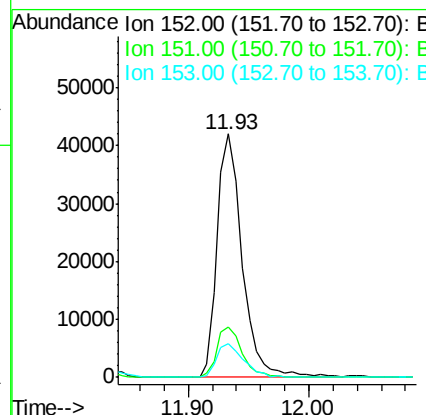
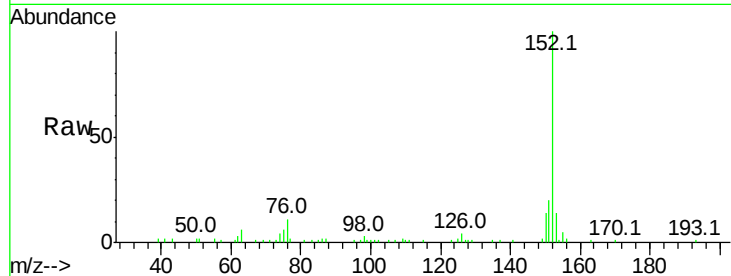
#48
Acenaphthylene
Concen: 4.77 ng
RT: 11.93 min Scan# 1776
Delta R.T. -0.02 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Instrument :
BNA_F
ClientSampleId :
G20-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.8	25.2
153	13.9	10.8	16.2

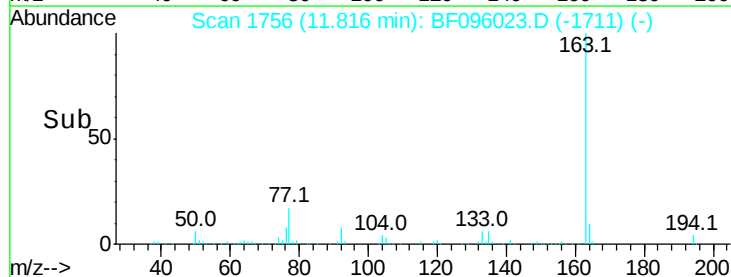
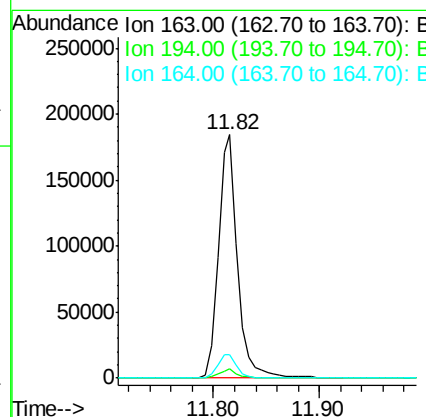
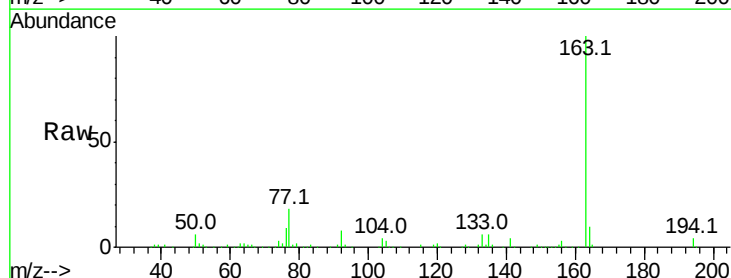
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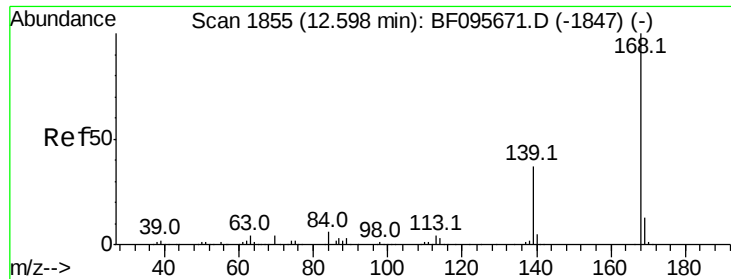
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#49
Dimethylphthalate
Concen: 26.83 ng
RT: 11.82 min Scan# 1756
Delta R.T. -0.04 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	4.0
164	9.6	8.4	12.6





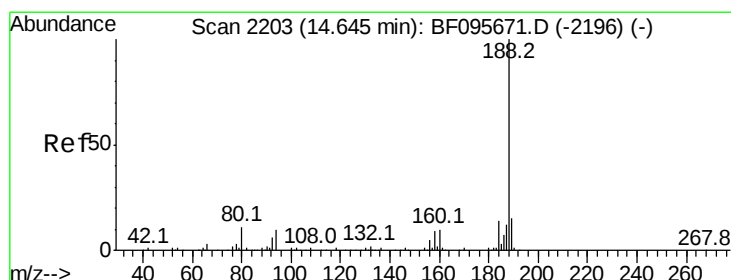
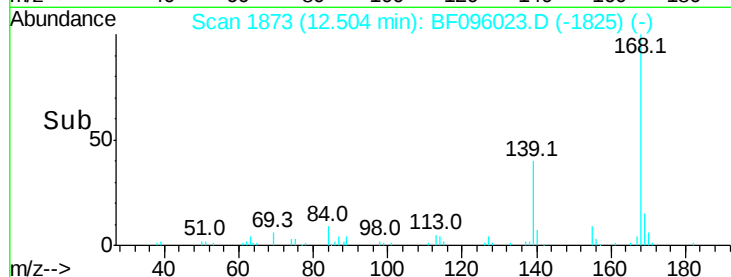
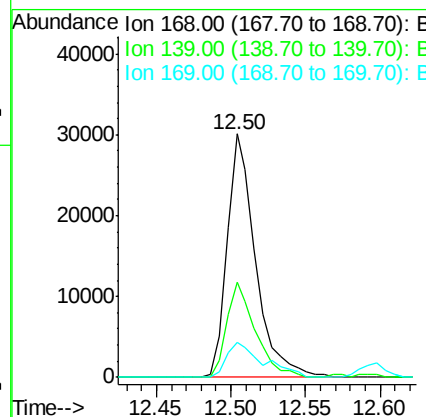
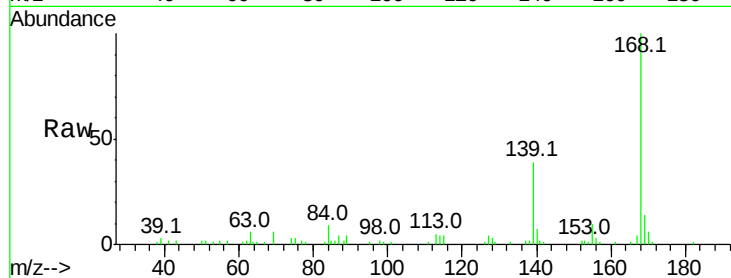
#54
Dibenzofuran
Concen: 3.93 ng
RT: 12.50 min Scan# 1873
Delta R.T. -0.02 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Instrument :
BNA_F
ClientSampleId :
G20-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
168	100	40258		
139	39.1		30.6	45.8
169	14.5		10.8	16.2

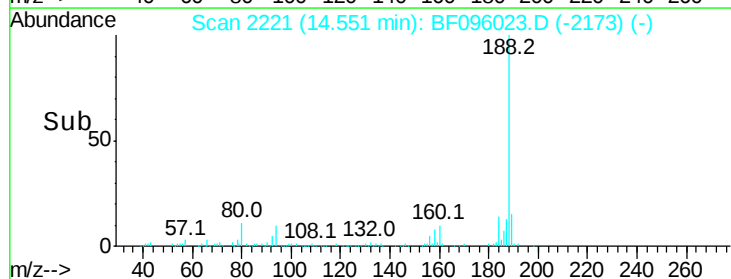
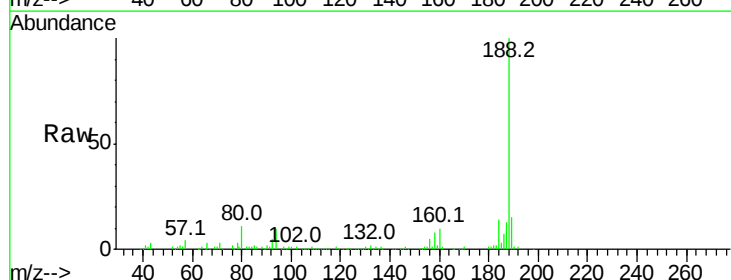
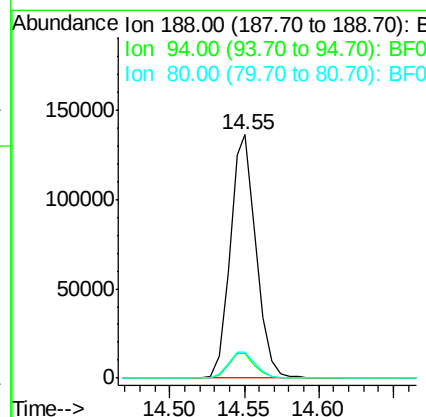
Manual Integrations
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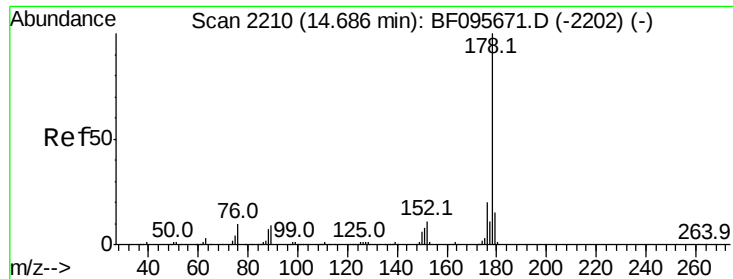
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.55 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	165612		
94	10.0		9.4	14.2
80	10.6		10.2	15.2





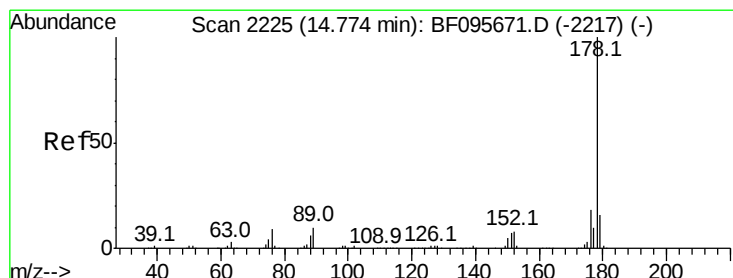
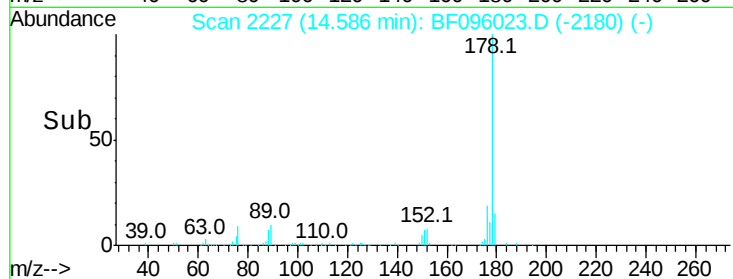
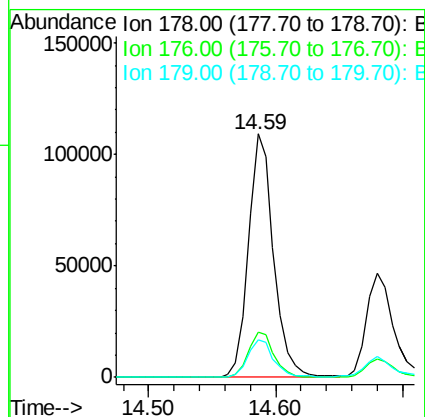
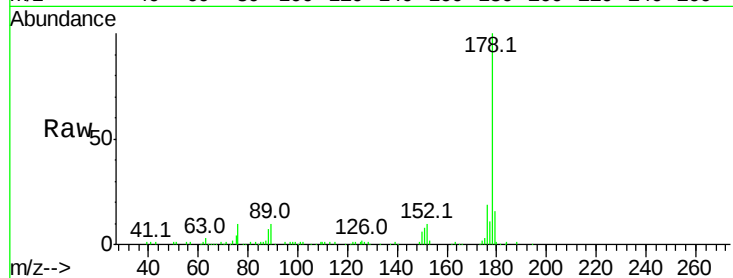
#70
Phenanthrene
Concen: 15.74 ng
RT: 14.59 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Instrument :
BNA_F
ClientSampleId :
G20-1.5-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	15.6	12.6	19.0

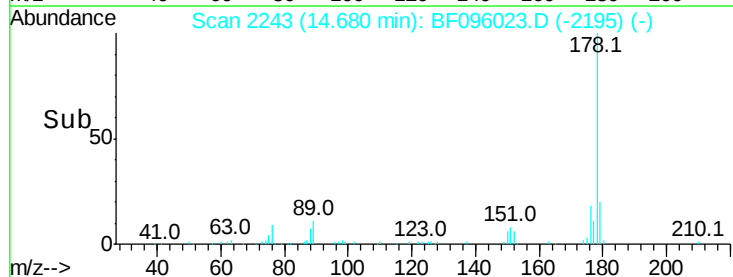
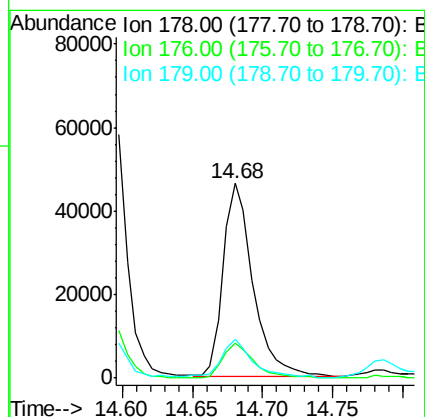
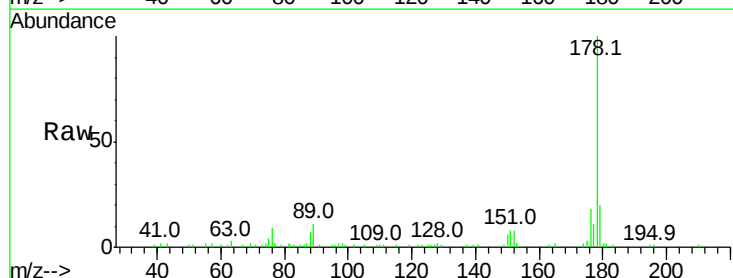
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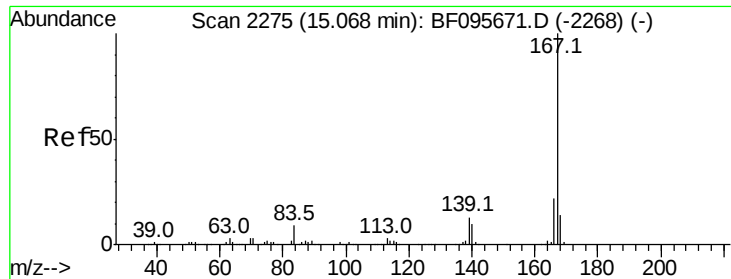
mohammad
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#71
Anthracene
Concen: 6.78 ng m
RT: 14.68 min Scan# 2243
Delta R.T. -0.02 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.8
179	19.7	12.7	19.1#





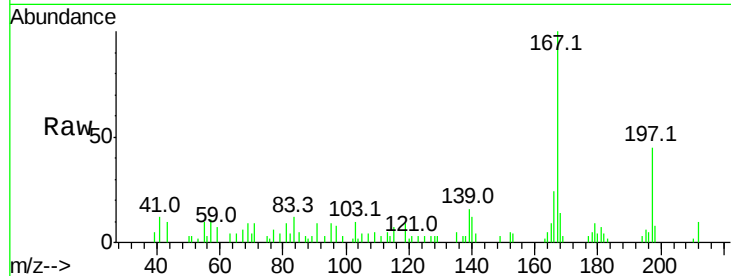
#72
 Carbazole
 Concen: 2.23 ng
 RT: 15.00 min Scan# 2297
 Delta R.T. 0.00 min
 Lab File: BF096023.D
 Acq: 20 Jun 2017 2:29

Instrument :
 BNA_F
 ClientSampleId :
 G20-1.5-3

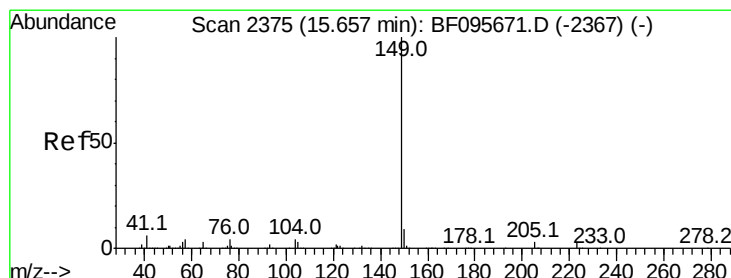
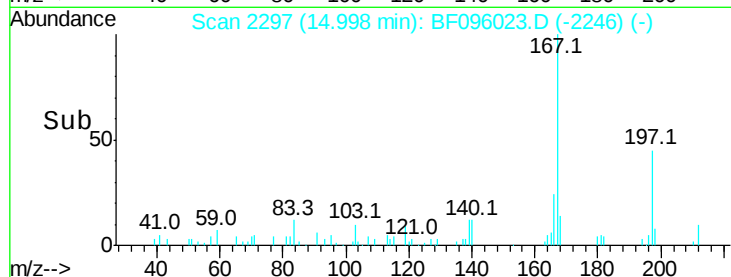
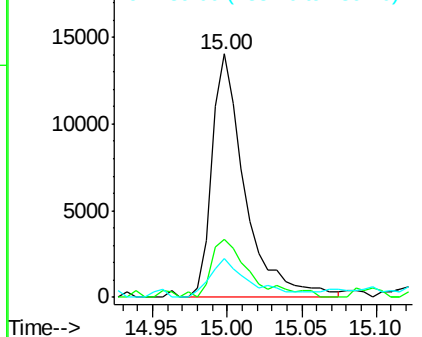
Tot Ion	Ratio	Resp	Lower	Upper
167	100	21671		
166	24.0		18.1	27.1
139	15.8		11.7	17.5

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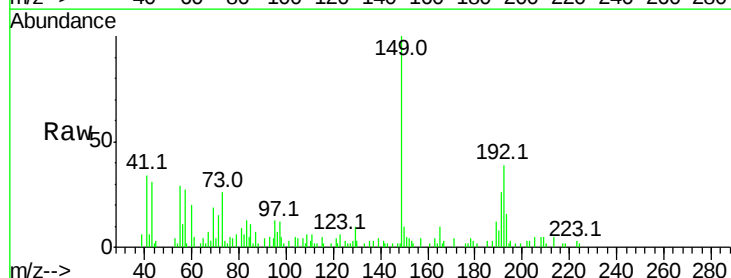


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

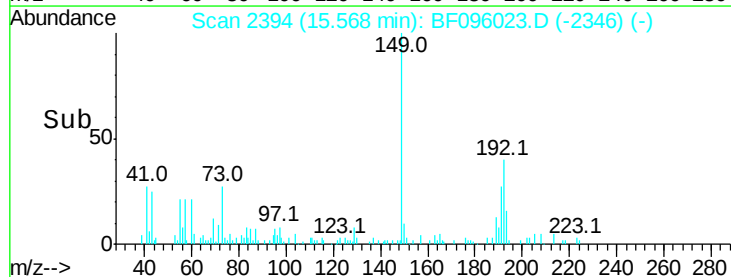
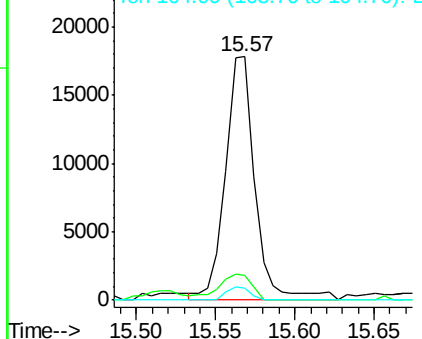


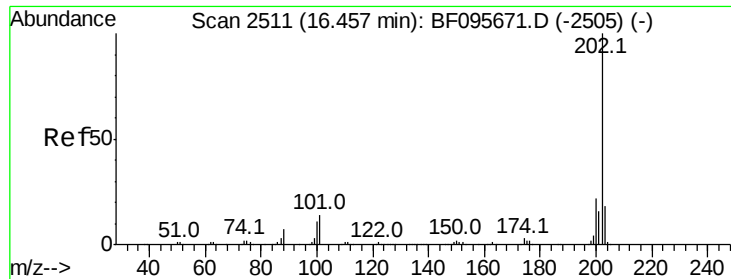
#73
 Di-n-butylphthalate
 Concen: 2.24 ng
 RT: 15.57 min Scan# 2394
 Delta R.T. -0.02 min
 Lab File: BF096023.D
 Acq: 20 Jun 2017 2:29

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	23190		
150	10.2		7.7	11.5
104	5.0		4.0	6.0



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 28.66 ng

RT: 16.37 min Scan# 2531

Delta R.T. -0.02 min

Lab File: BF096023.D

Acq: 20 Jun 2017 2:29

Instrument :

BNA_F

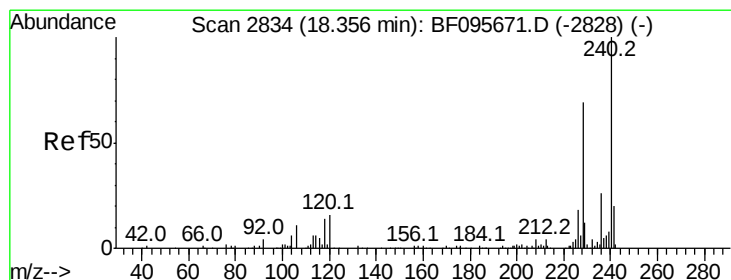
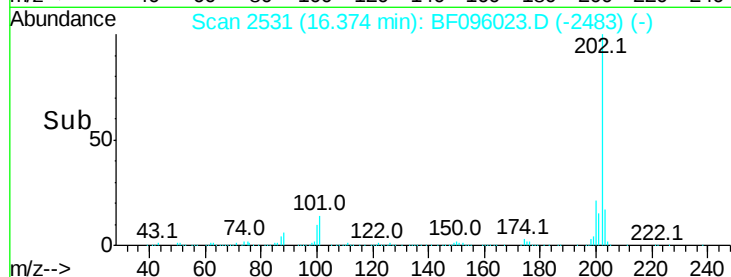
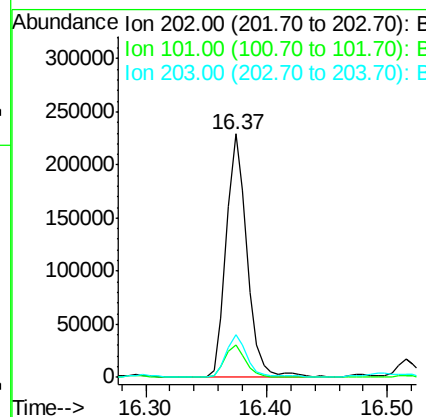
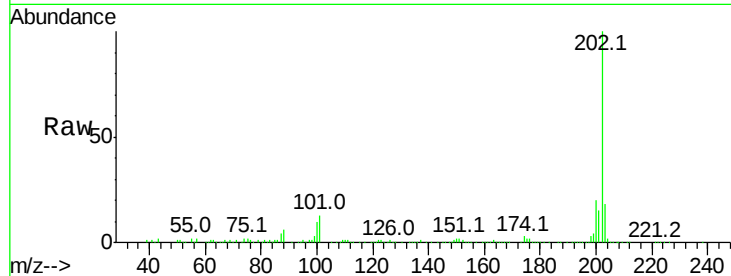
ClientSampleId :

G20-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.5	0.0	33.2
203	17.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

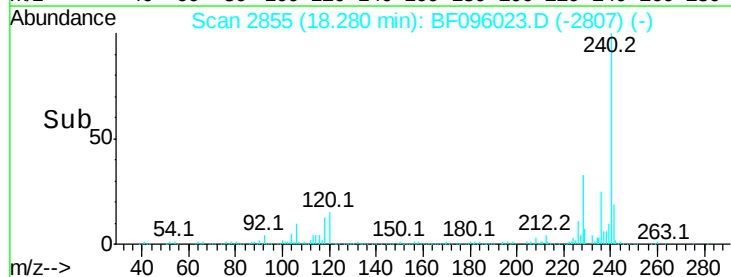
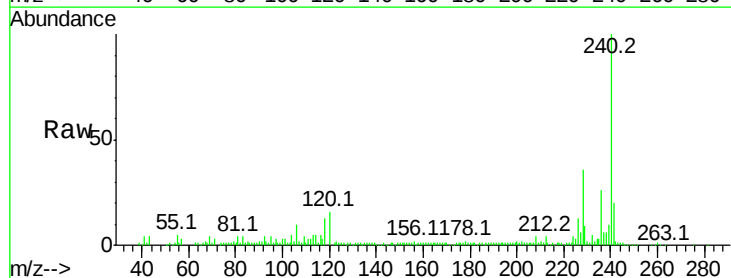
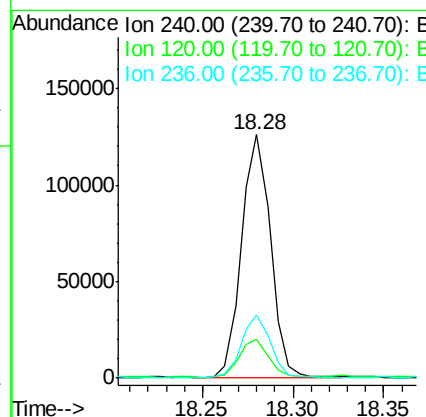
RT: 18.28 min Scan# 2855

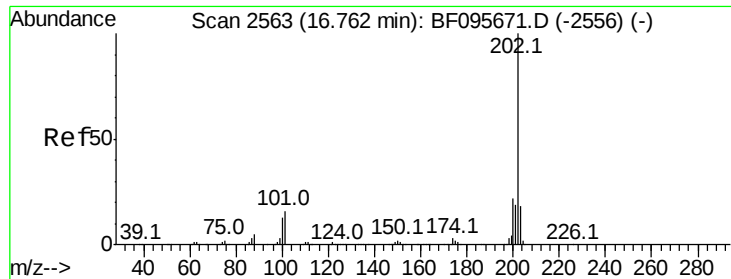
Delta R.T. -0.02 min

Lab File: BF096023.D

Acq: 20 Jun 2017 2:29

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.8	5.8	8.8#
236	25.7	20.5	30.7





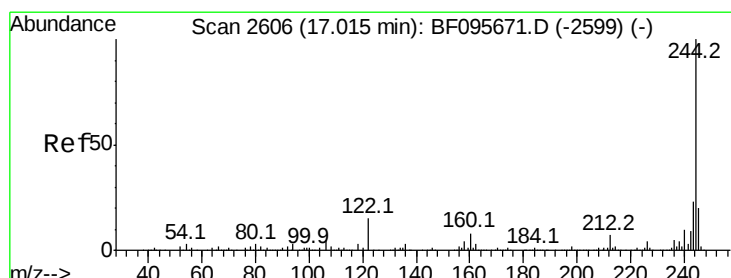
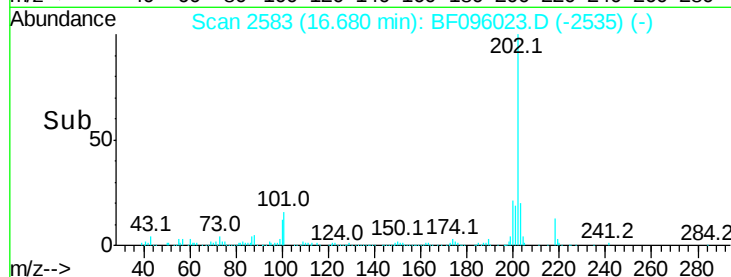
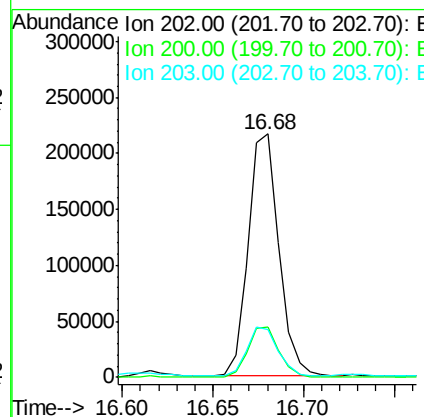
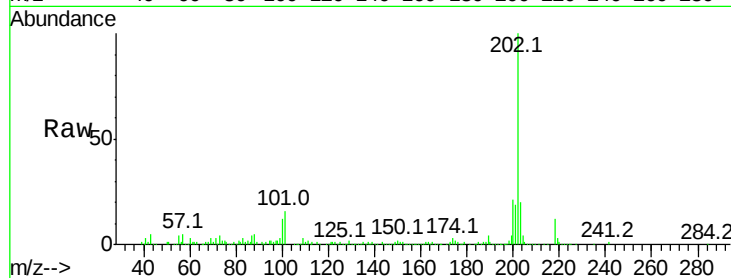
#77
Pvrene
Concen: 24.42 ng
RT: 16.68 min Scan# 2583
Delta R.T. -0.02 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Instrument :
BNA_F
ClientSampled :
G20-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	17.6	26.4
203	19.8	14.4	21.6

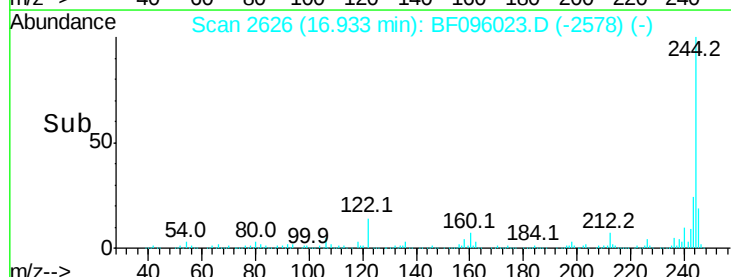
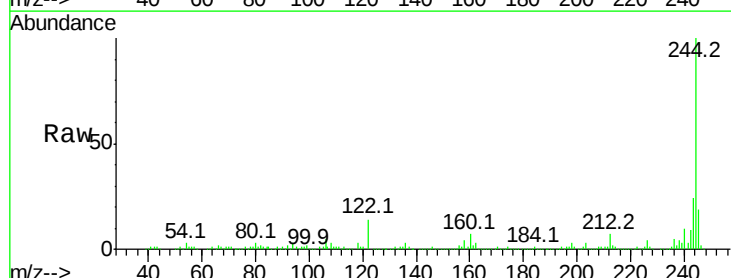
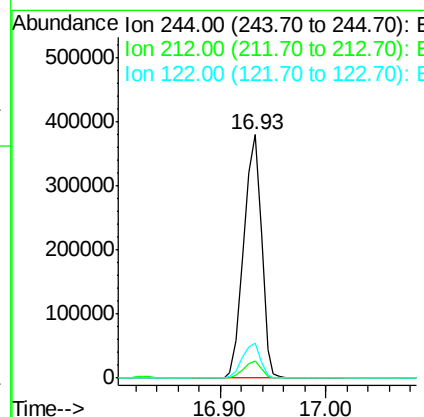
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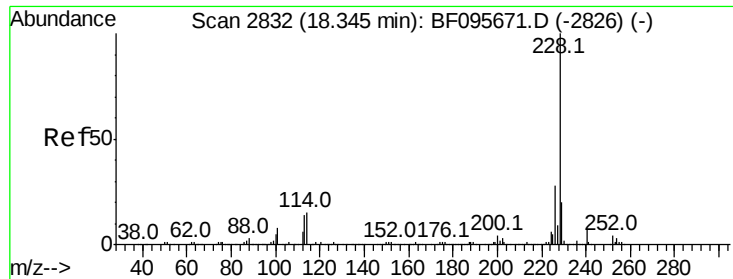
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#78
Terphenyl-d14
Concen: 77.84 ng
RT: 16.93 min Scan# 2626
Delta R.T. -0.02 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	6.0	9.0
122	14.2	10.3	15.5





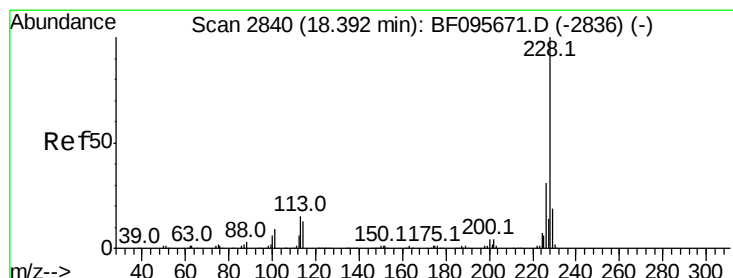
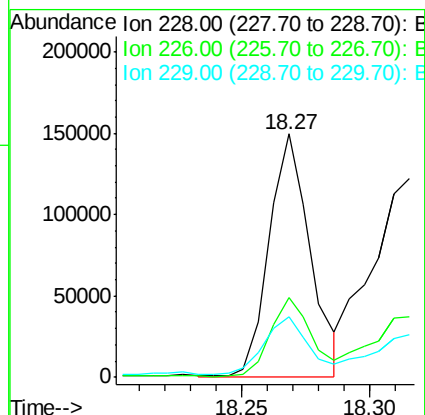
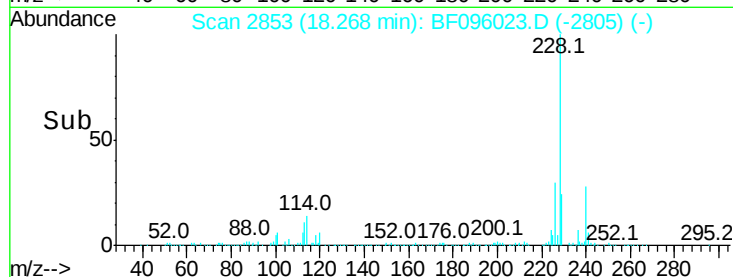
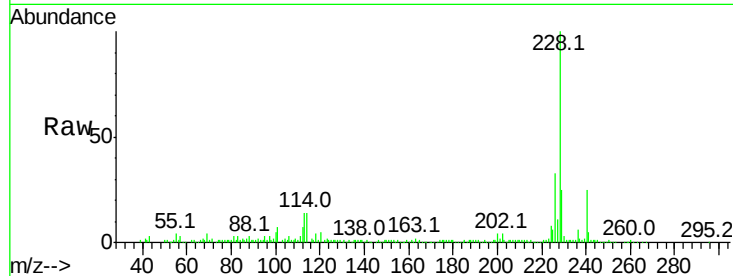
#80
Benzo(a)anthracene
Concen: 20.84 ng
RT: 18.27 min Scan# 2853
Delta R.T. -0.02 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Instrument :
BNA_F
ClientSampleId :
G20-1.5-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.6	33.8
229	25.1	16.3	24.5

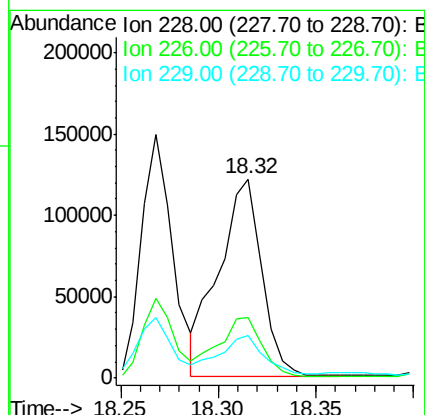
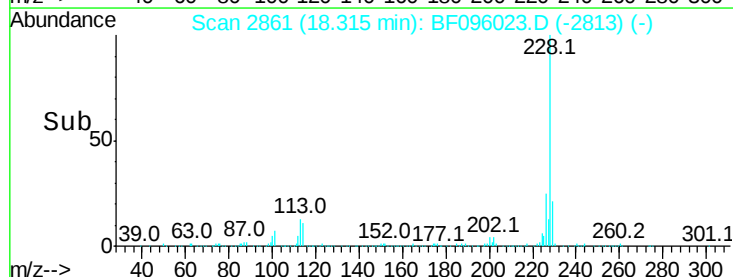
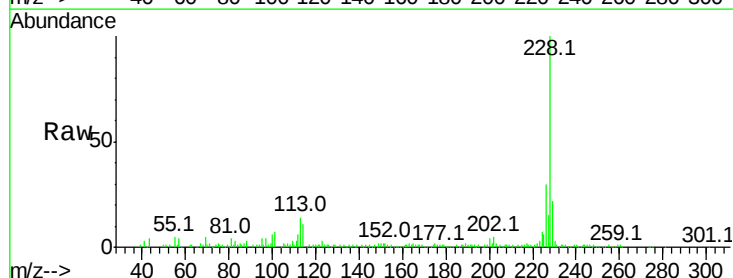
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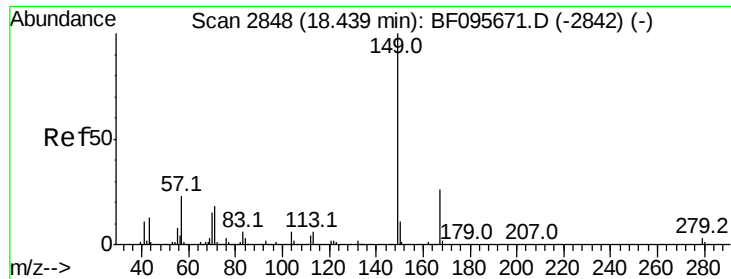
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#82
Chrysene
Concen: 22.94 ng
RT: 18.32 min Scan# 2861
Delta R.T. -0.02 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	21.6	15.8	23.6





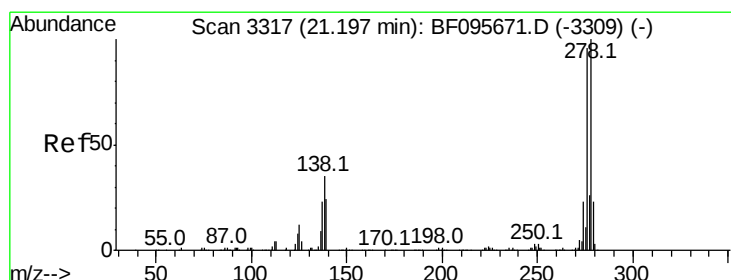
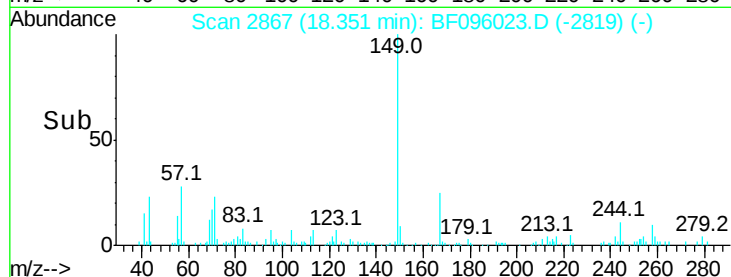
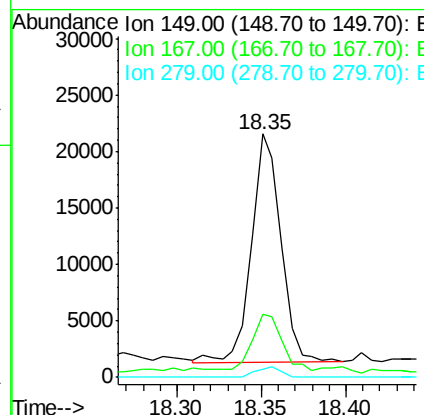
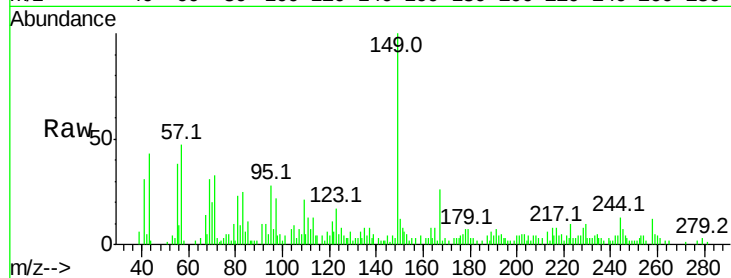
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.85 ng
 RT: 18.35 min Scan# 2867
 Delta R.T. -0.02 min
 Lab File: BF096023.D
 Acq: 20 Jun 2017 2:29

Instrument :
 BNA_F
 ClientSampleId :
 G20-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
149	100	24654		
167	25.9		21.0	31.4
279	3.4		1.9	2.9#

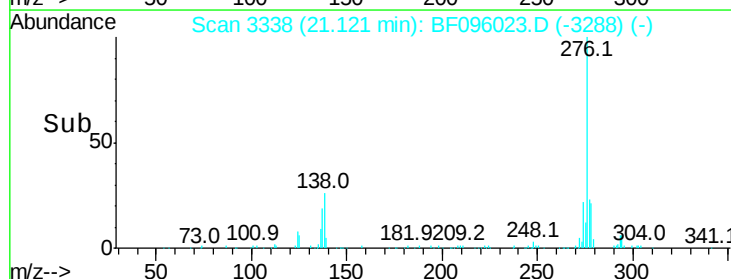
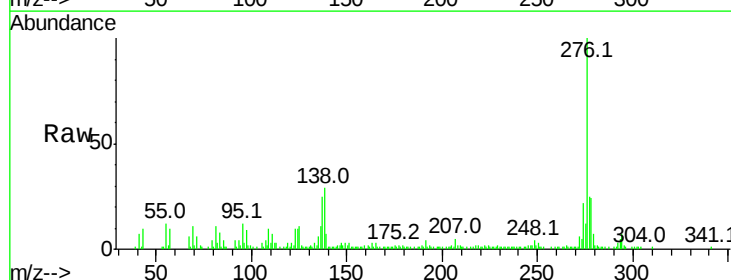
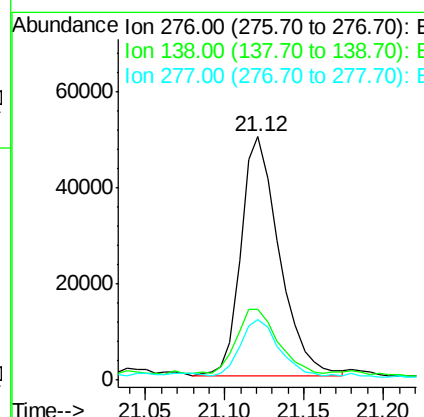
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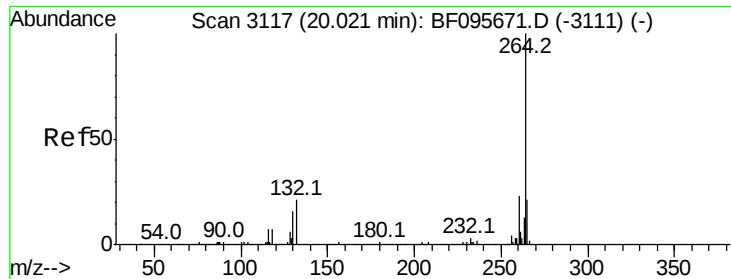
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.05 ng
 RT: 21.12 min Scan# 3338
 Delta R.T. -0.01 min
 Lab File: BF096023.D
 Acq: 20 Jun 2017 2:29

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	83464		
138	31.1		27.8	41.6
277	23.3		20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 19.96 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BF096023.D

Acq: 20 Jun 2017 2:29

Instrument :

BNA_F

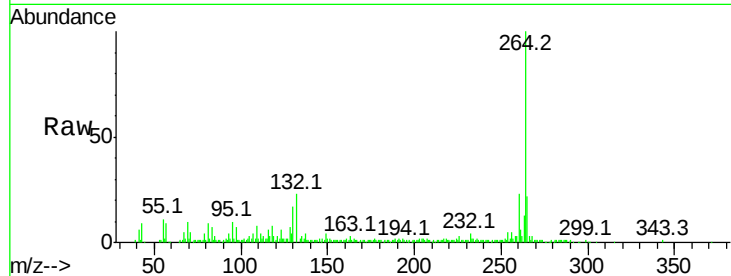
ClientSampleId :

G20-1.5-3

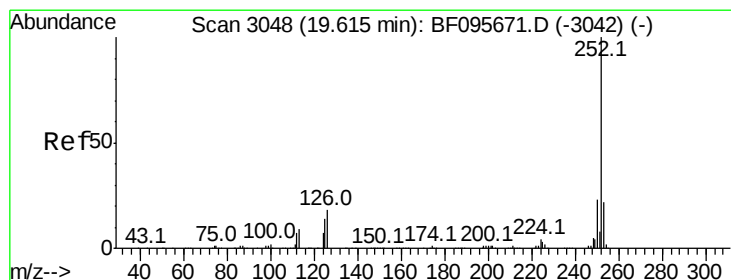
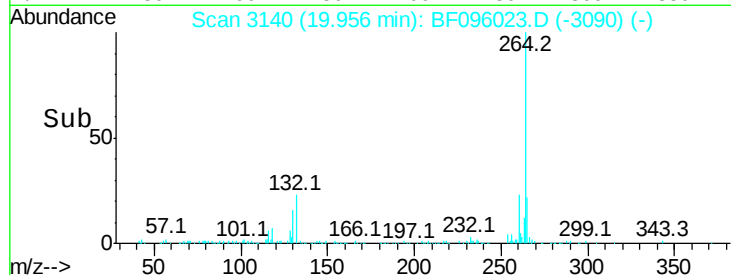
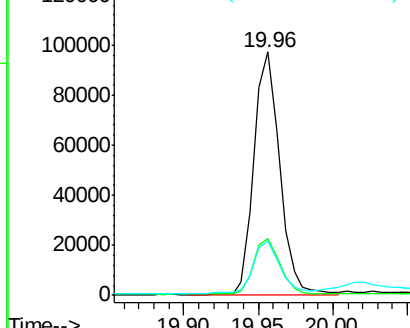
Tot Ion:	264	Resp:	115182
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.5	29.3
265	22.3	17.2	25.8

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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: 36.12 ng m

RT: 19.55 min Scan# 3071

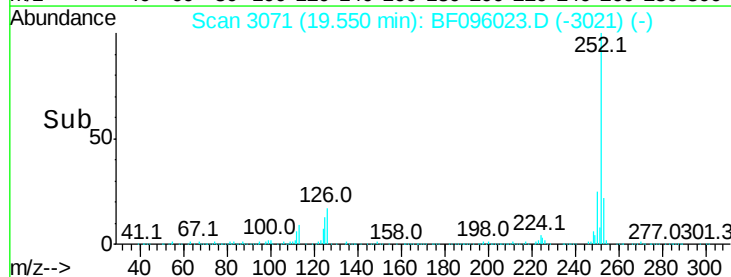
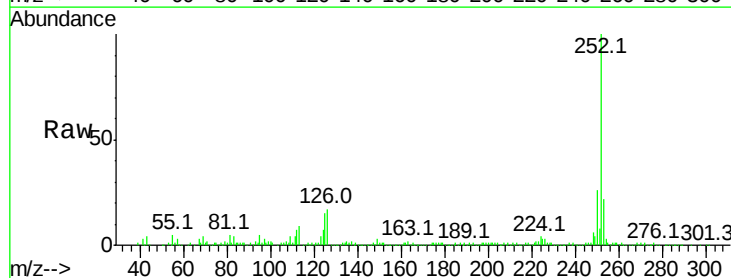
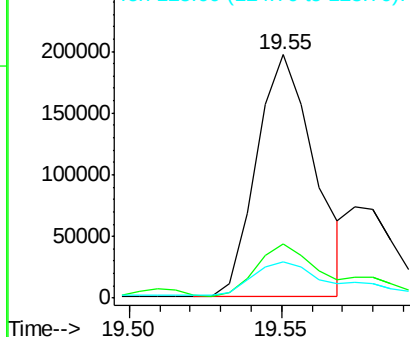
Delta R.T. -0.01 min

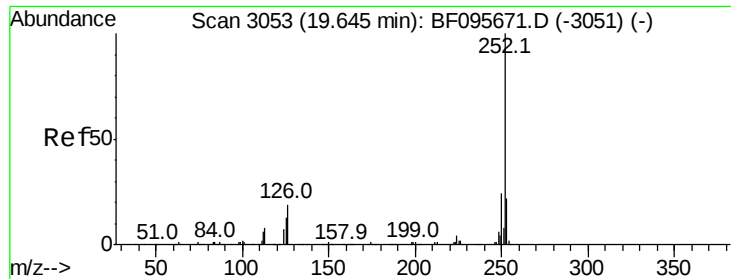
Lab File: BF096023.D

Acq: 20 Jun 2017 2:29

Tgt Ion:	252	Resp:	260509
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.1	27.1
125	14.9	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





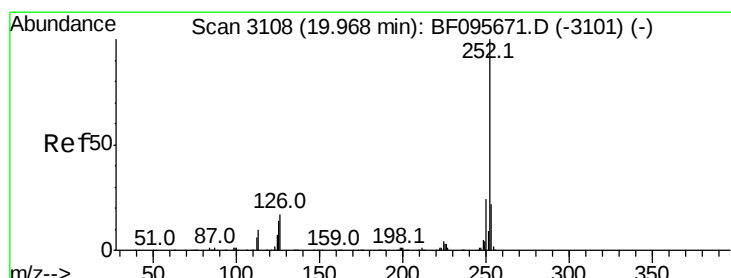
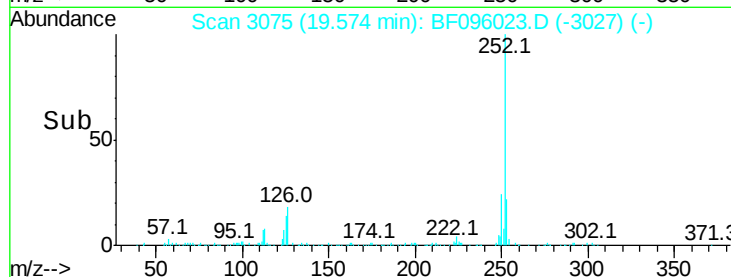
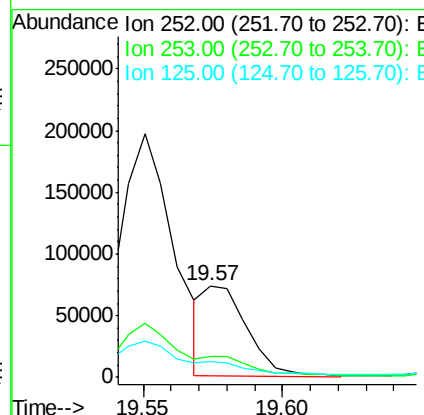
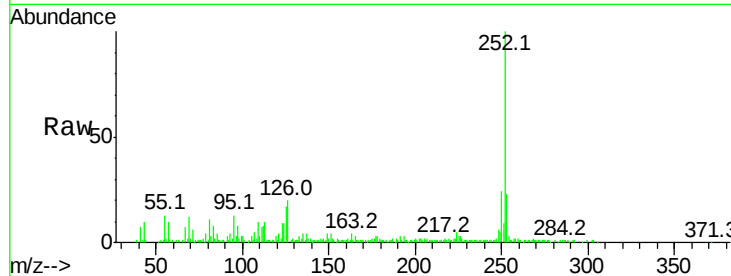
#88
Benzo(k)fluoranthene
Concen: 11.52 ng m
RT: 19.57 min Scan# 3075
Delta R.T. -0.02 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Instrument :
BNA_F
ClientSampled :
G20-1.5-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	17.0	13.1	19.7

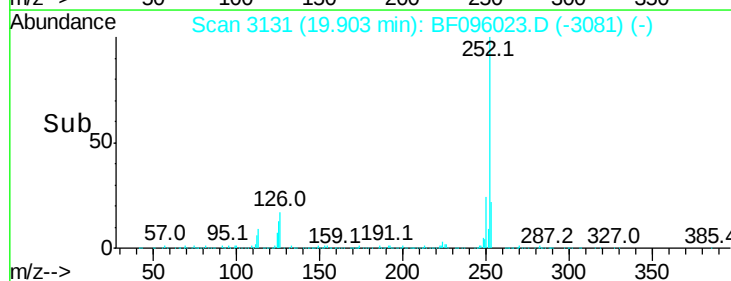
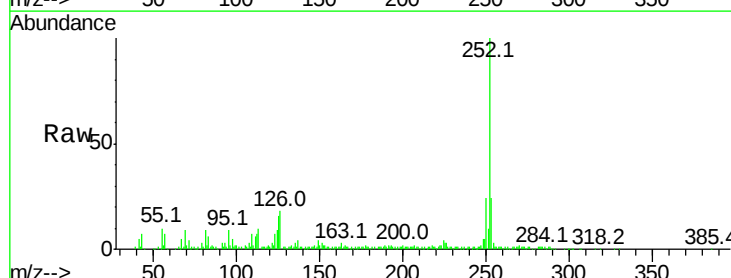
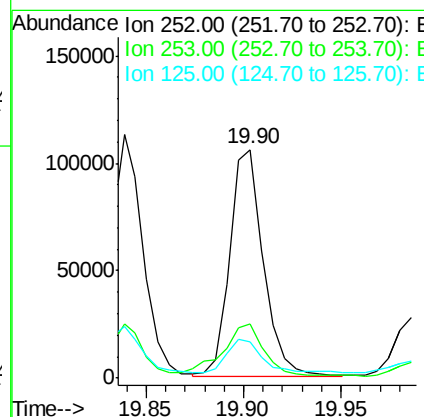
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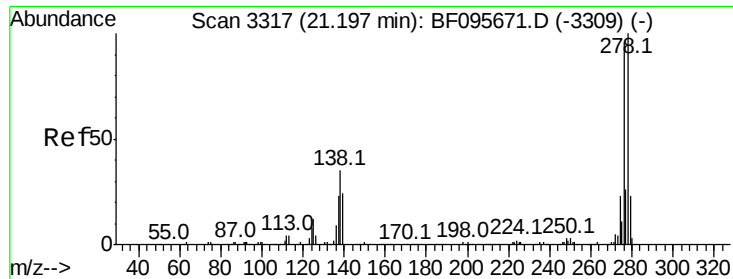
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#89
Benzo(a)pyrene
Concen: 18.96 ng
RT: 19.90 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	15.9	11.0	16.4





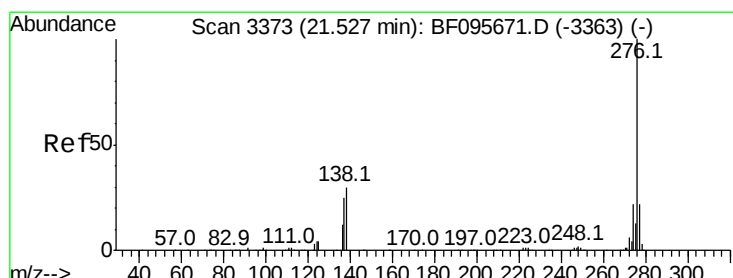
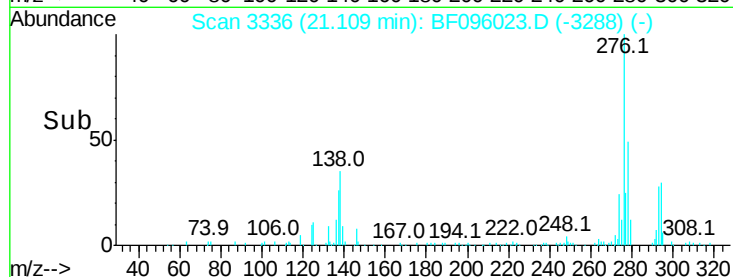
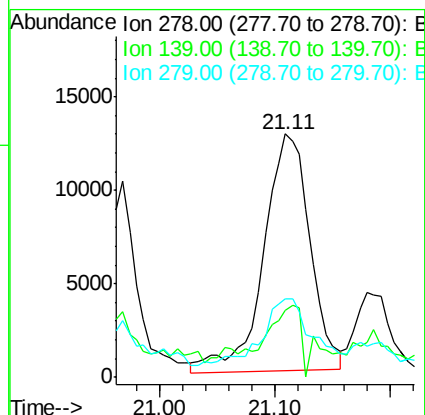
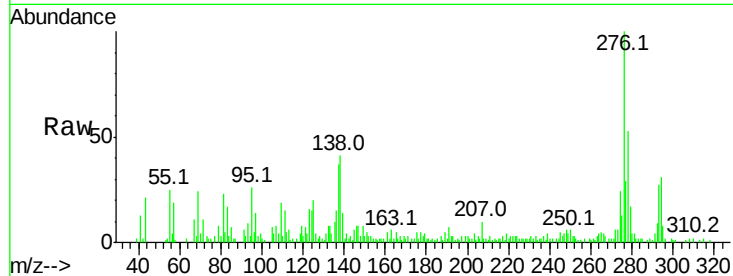
#90
Dibenzo(a,h)anthracene
Concen: 6.36 ng
RT: 21.11 min Scan# 3336
Delta R.T. -0.02 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Instrument :
BNA_F
ClientSampleId :
G20-1.5-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.4	16.6	24.8#
279	32.4	19.3	28.9#

Manual Integrations
APPROVED

mohammad
6/20/2017 4:29:17 PM



#91
Benzo(g,h,i)perylene
Concen: 13.16 ng
RT: 21.45 min Scan# 3394
Delta R.T. 0.01 min
Lab File: BF096023.D
Acq: 20 Jun 2017 2:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	28.0
138	31.2	25.4	38.0

