

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
 Data File : BF095855.D
 Acq On : 10 Jun 2017 19:07
 Operator : SJ/MA
 Sample : I3576-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-OGR1-OGR2

Manual Integrations
 APPROVED

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Quant Time: Jun 12 04:47:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	65699	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	275716	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	126968	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	234687	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	167062	20.00	ng	-0.02
86) Perylene-d12	20.00	264	133718	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	416341	100.98	ng	-0.02
7) Phenol-d6	6.92	99	525320	106.43	ng	-0.04
23) Nitrobenzene-d5	8.28	82	298609	67.26	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	100595	89.55	ng	-0.04
44) 2-Fluorobiphenyl	11.18	172	580653	63.64	ng	-0.04
78) Terphenyl-d14	16.99	244	484024	71.90	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	11.87	163	117389	12.18	ng	99
70) Phenanthrene	14.65	178	229002	16.91	ng	96
71) Anthracene	14.74	178	53935	3.82	ng	94
74) Fluoranthene	16.43	202	275313	20.54	ng	99
77) Pyrene	16.73	202	245577	19.70	ng	# 95
80) Benzo(a)anthracene	18.32	228	86455	8.90	ng	98
82) Chrysene	18.36	228	82912	8.54	ng	98
85) Indeno(1,2,3-cd)pyrene	21.19	276	33390	4.02	ng	97
87) Benzo(b)fluoranthene	19.60	252	73525	8.78	ng	# 95
88) Benzo(k)fluoranthene	19.63	252	24267m	3.03	ng	
89) Benzo(a)pyrene	19.95	252	55385	7.20	ng	98
91) Benzo(a,h,i)perylene	21.52	276	31160	4.68	ng	99

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

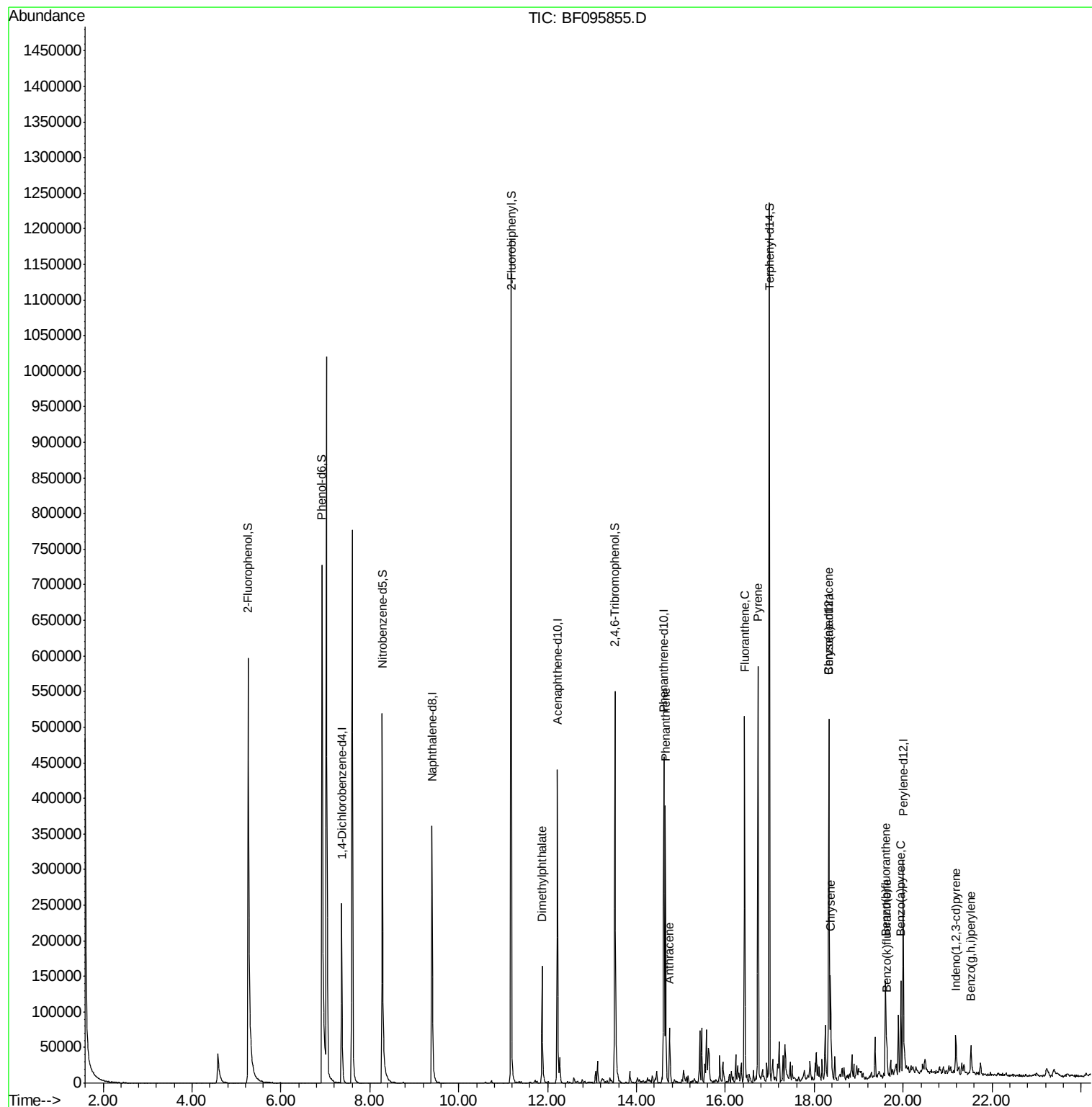
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
Data File : BF095855.D
Acq On : 10 Jun 2017 19:07
Operator : SJ/MA
Sample : I3576-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

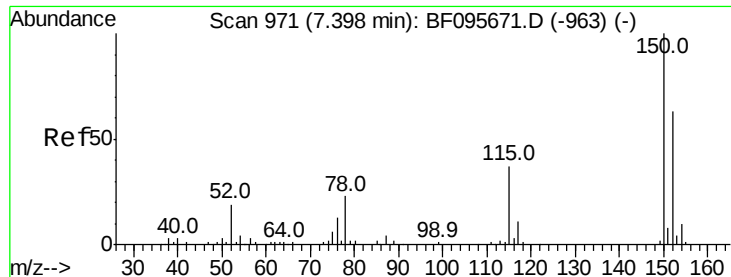
Instrument :
BNA_F
ClientSampleId :
TP-OGR1-OGR2

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
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#1

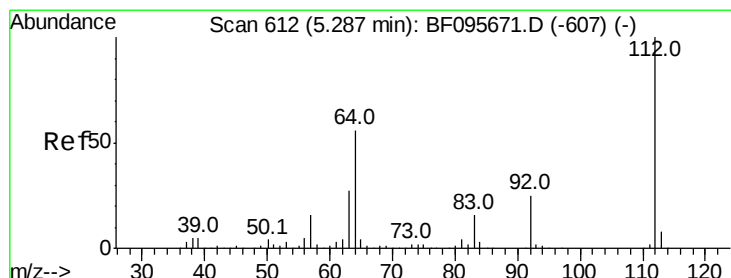
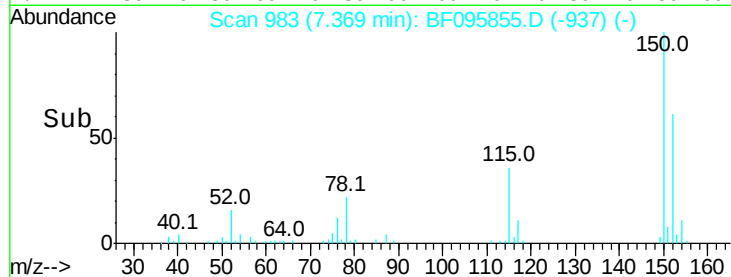
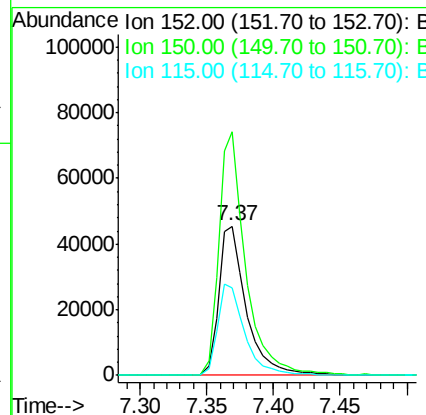
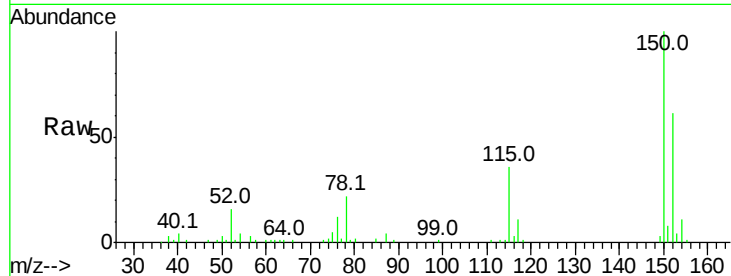
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Instrument :
BNA_F
ClientSampleId :
TP-OGR1-OGR2

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.0	126.2	189.2
115	58.3	52.2	78.2

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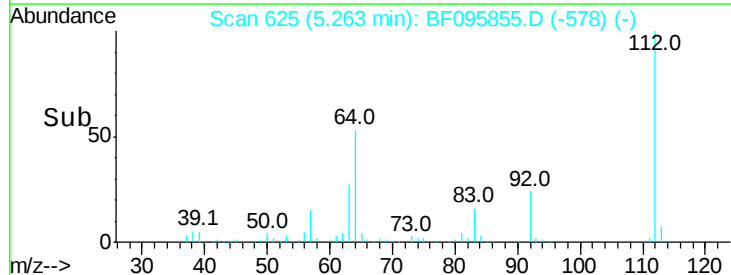
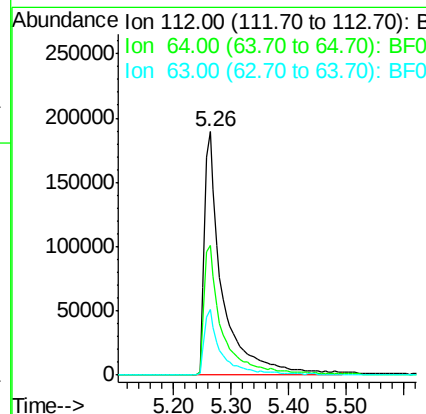
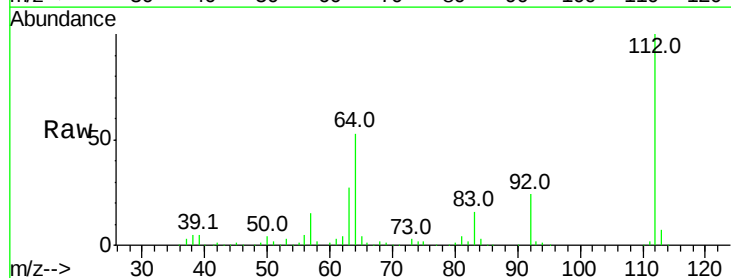
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#5

2-Fluorophenol
Concen: 100.98 ng
RT: 5.26 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	46.0	69.0
63	27.2	23.4	35.0





#7

Phenol-d6

Concen: 106.43 ng

RT: 6.92 min Scan# 907

Delta R.T. -0.04 min

Lab File: BF095855.D

Acq: 10 Jun 2017 19:07

Instrument :

BNA_F

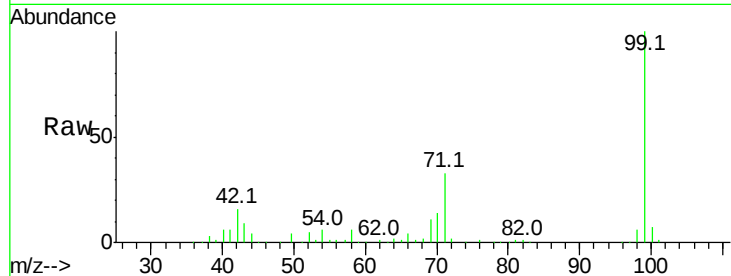
ClientSampleId :

TP-OGR1-OGR2

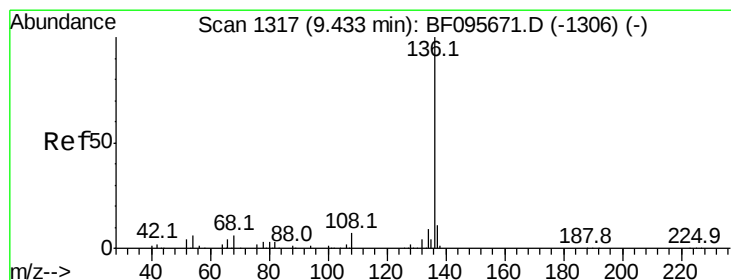
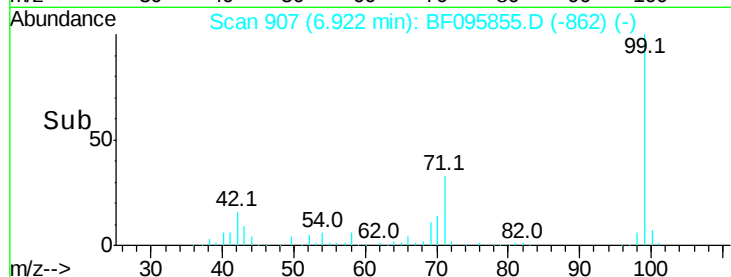
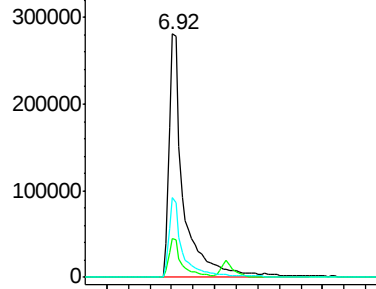
Tot Ion:	99	Resp:	525320
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.5	20.3
71	32.6	24.5	36.7

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.40 min Scan# 1328

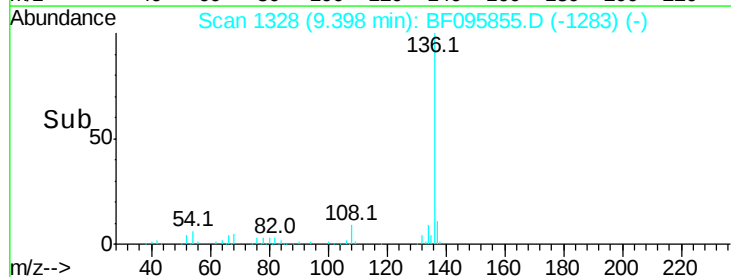
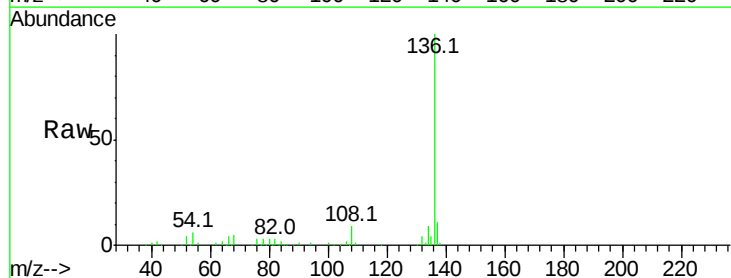
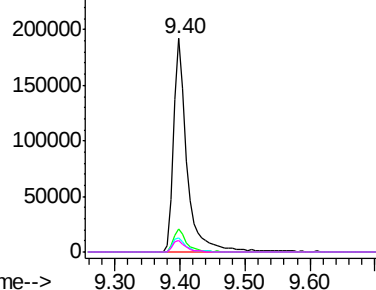
Delta R.T. -0.04 min

Lab File: BF095855.D

Acq: 10 Jun 2017 19:07

Tgt Ion:	136	Resp:	275716
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	6.4	4.9	7.3
68	5.2	4.1	6.1

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





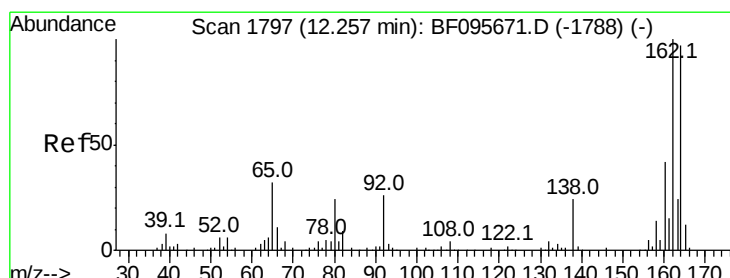
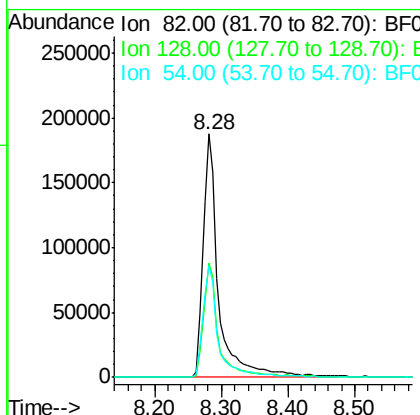
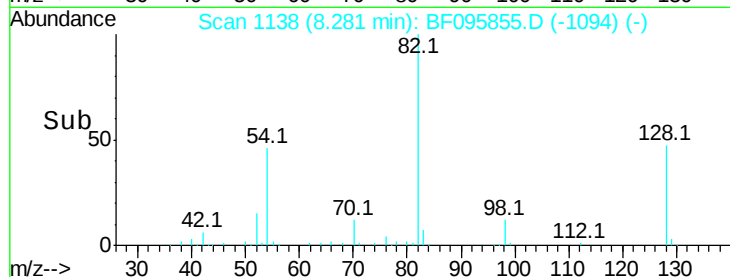
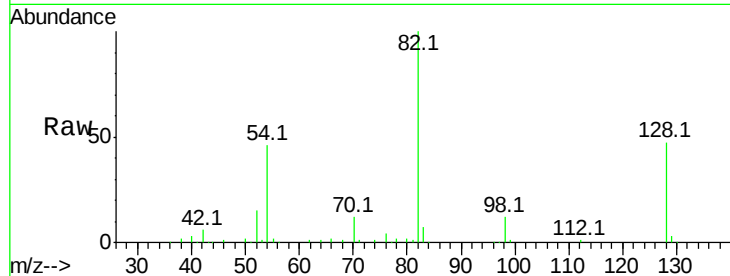
#23
Nitrobenzene-d5
Concen: 67.26 ng
RT: 8.28 min Scan# 1138
Delta R.T. -0.04 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Instrument :
BNA_F
ClientSampled :
TP-OGR1-OGR2

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.0	51.0
54	45.8	42.2	63.2

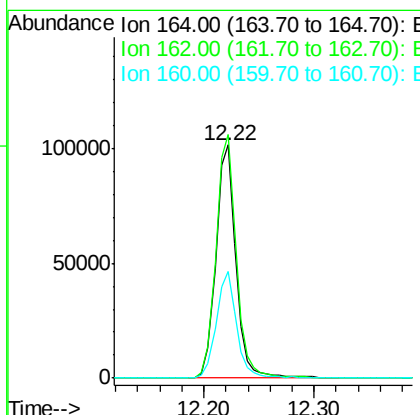
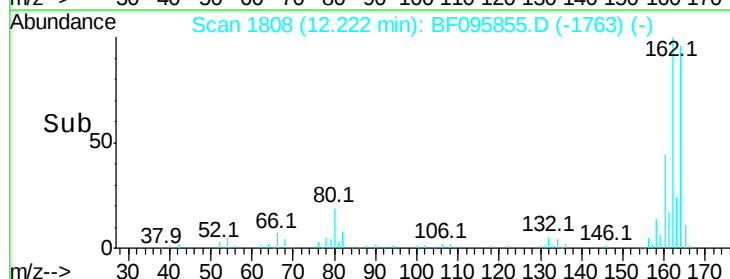
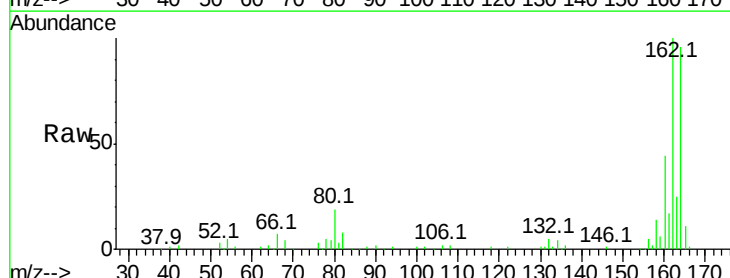
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.22 min Scan# 1808
Delta R.T. -0.04 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.6	123.8
160	45.6	36.2	54.2





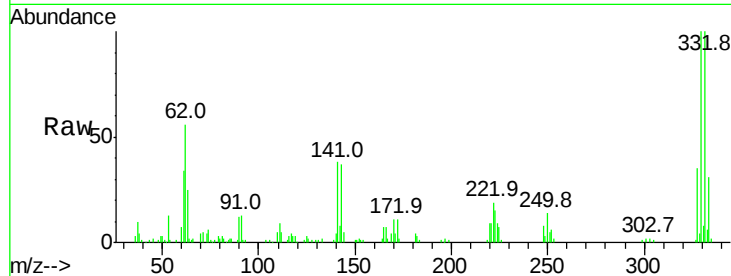
#41
 2,4,6-Tribromophenol
 Concen: 89.55 ng
 RT: 13.52 min Scan# 2028
 Delta R.T. -0.04 min
 Lab File: BF095855.D
 Acq: 10 Jun 2017 19:07

Instrument :
 BNA_F
 ClientSampleId :
 TP-OGR1-OGR2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	100595		
332	98.9	76.6	115.0	
141	37.7	31.4	47.2	

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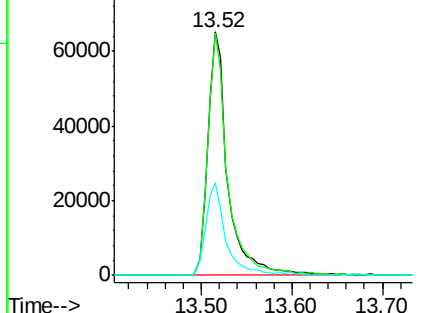
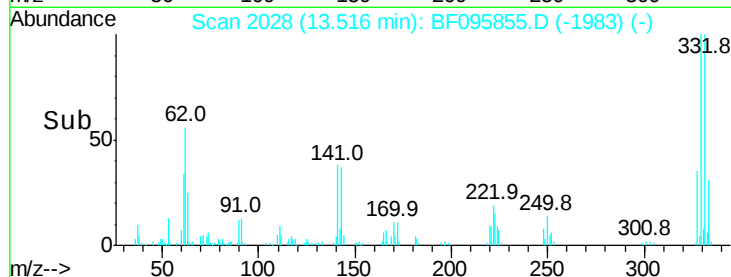


Abundance

Ion 329.80 (329.50 to 330.50): E

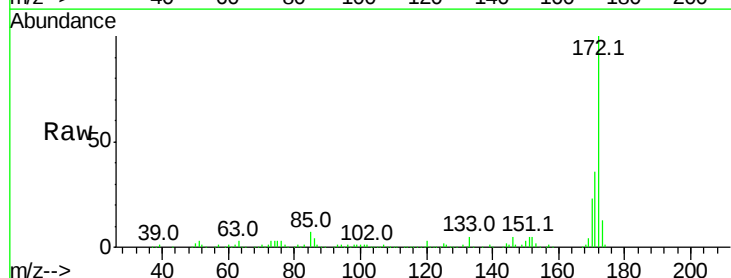
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 63.64 ng
 RT: 11.18 min Scan# 1631
 Delta R.T. -0.04 min
 Lab File: BF095855.D
 Acq: 10 Jun 2017 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	580653		
171	36.4	29.6	44.4	
170	23.5	19.8	29.8	

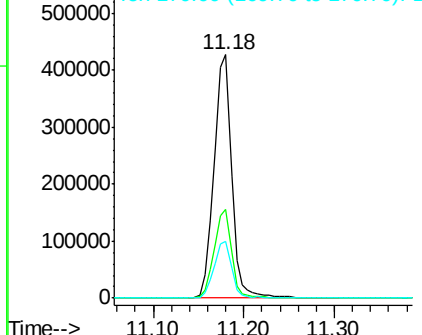
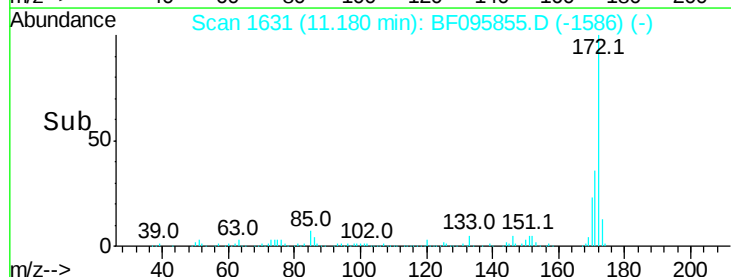


Abundance

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





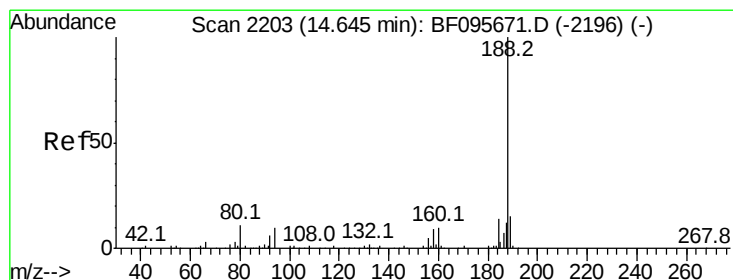
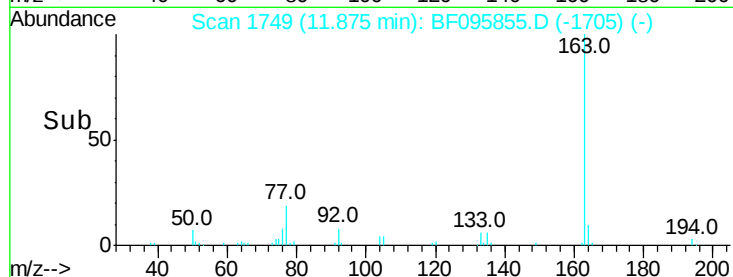
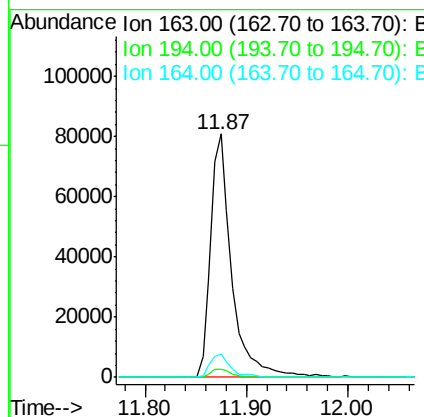
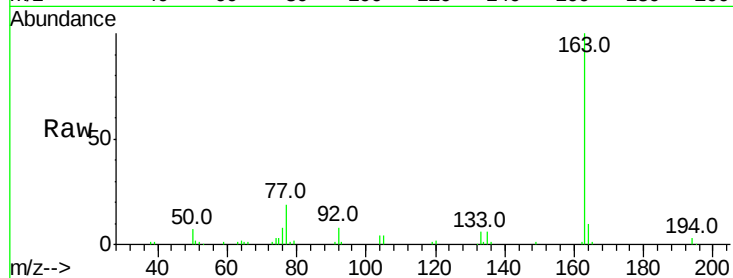
#49
Dimethylphthalate
Concen: 12.18 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Instrument :
BNA_F
ClientSampled :
TP-OGR1-OGR2

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.8	8.4	12.6

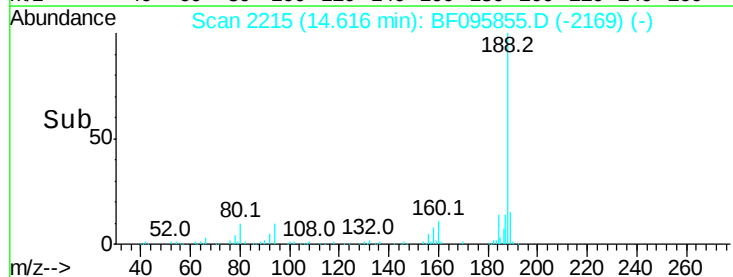
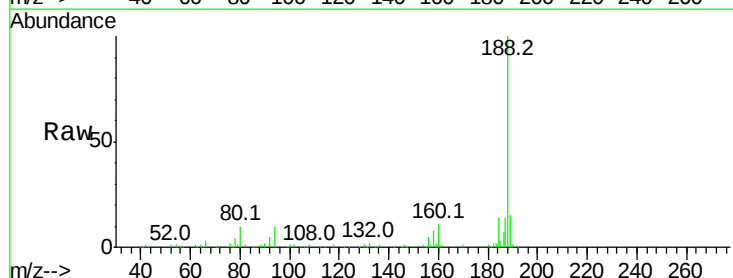
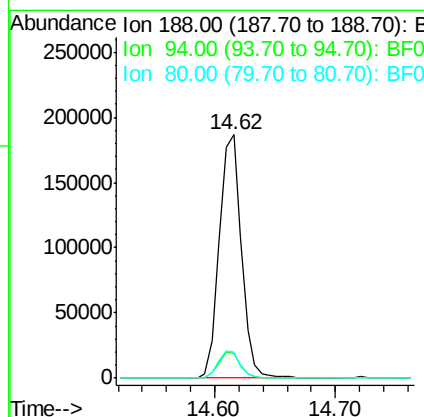
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.4	14.2
80	10.5	10.2	15.2





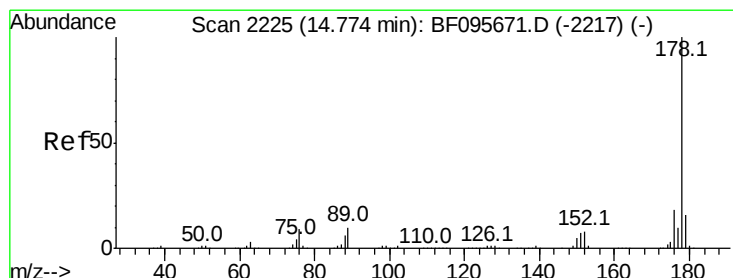
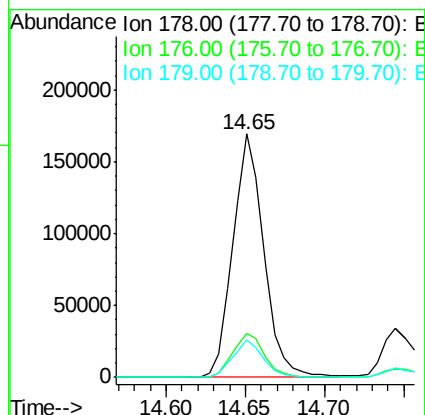
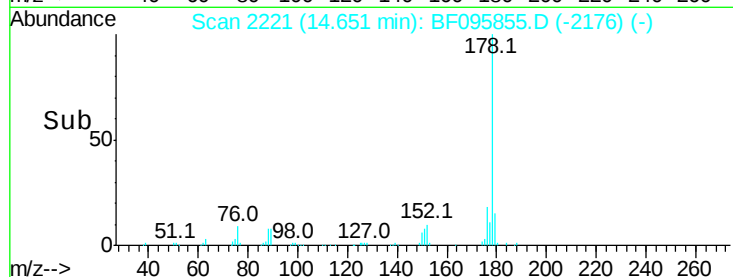
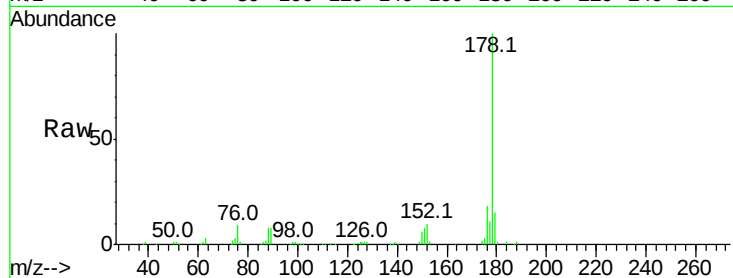
#70
Phenanthrene
Concen: 16.91 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Instrument :
BNA_F
ClientSampleId :
TP-OGR1-OGR2

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	16.2	24.4
179	15.2	12.6	19.0

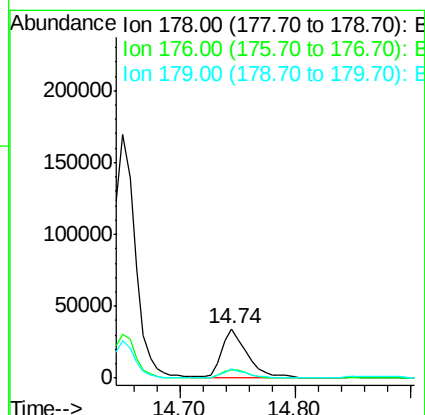
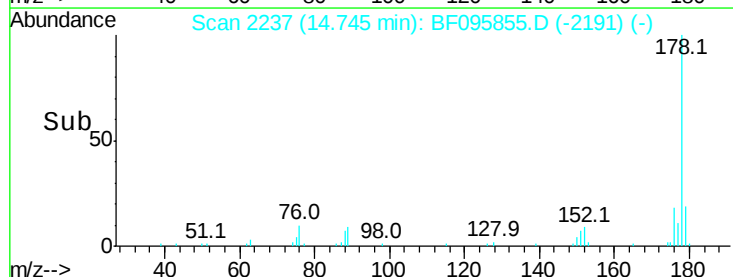
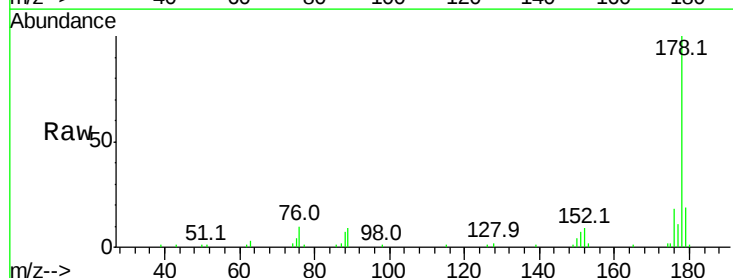
Manual Integrations
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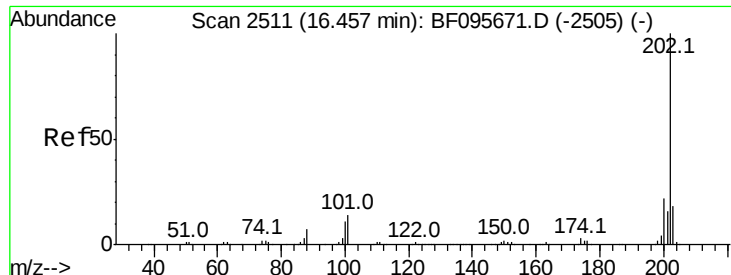
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#71
Anthracene
Concen: 3.82 ng
RT: 14.74 min Scan# 2237
Delta R.T. -0.03 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.8	23.8
179	18.9	12.7	19.1





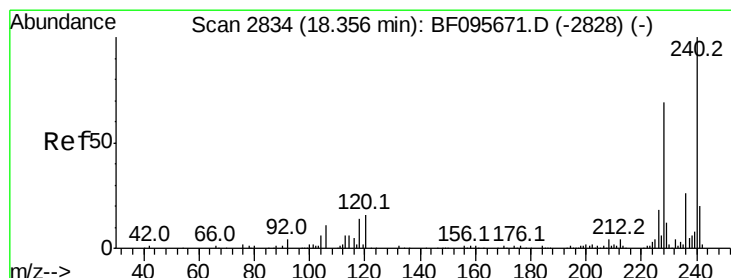
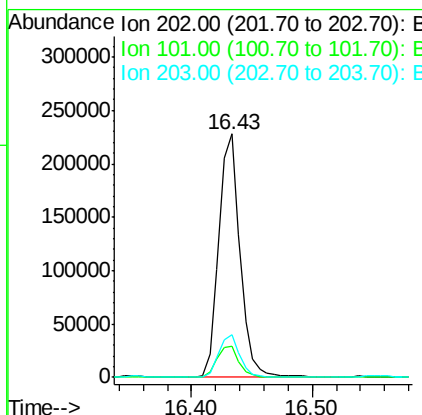
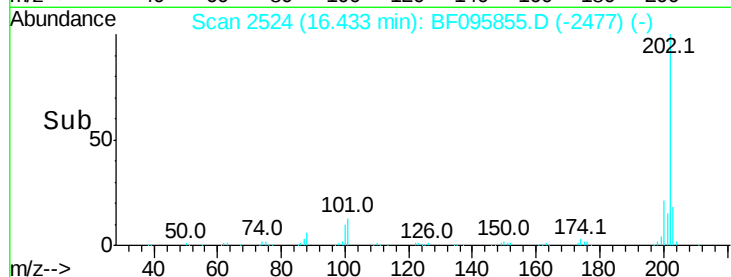
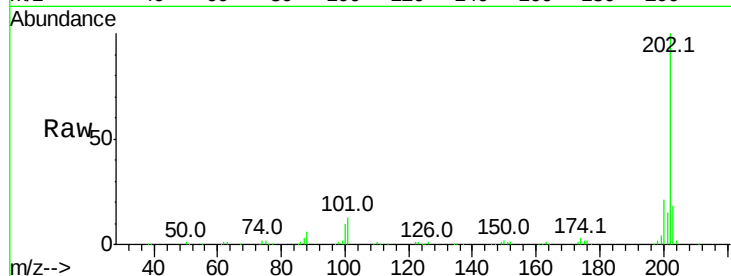
#74
Fluoranthene
 Concen: 20.54 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095855.D
 Acq: 10 Jun 2017 19:07

Instrument :
 BNA_F
 ClientSampleId :
 TP-OGR1-OGR2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	275313		
101	12.9	0.0	33.2	
203	17.7	0.0	38.1	

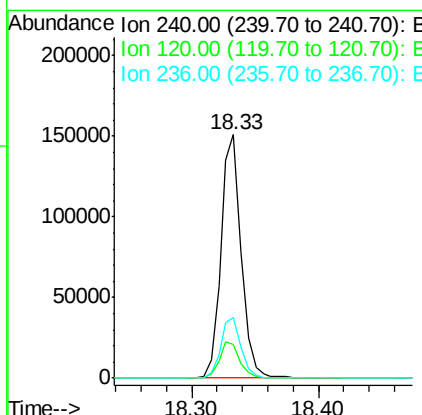
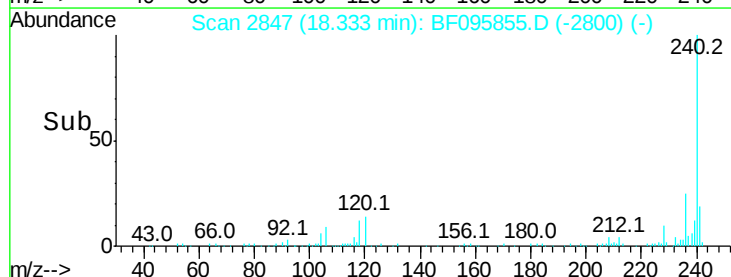
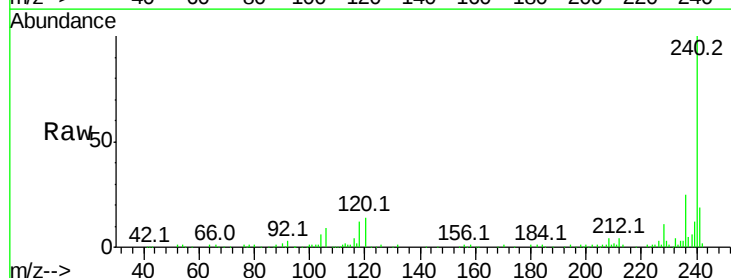
Manual Integrations
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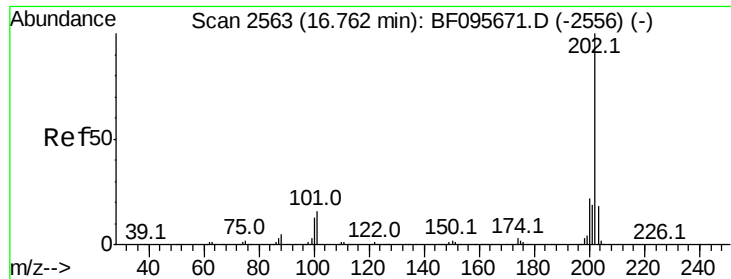
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#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.02 min
 Lab File: BF095855.D
 Acq: 10 Jun 2017 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	167062		
120	13.9	5.8	8.8#	
236	25.0	20.5	30.7	





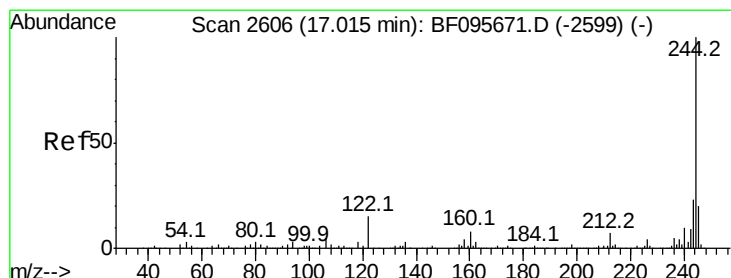
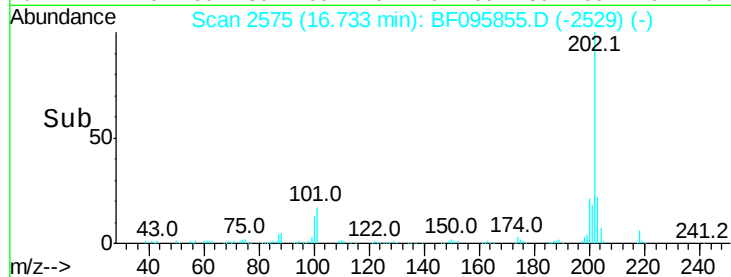
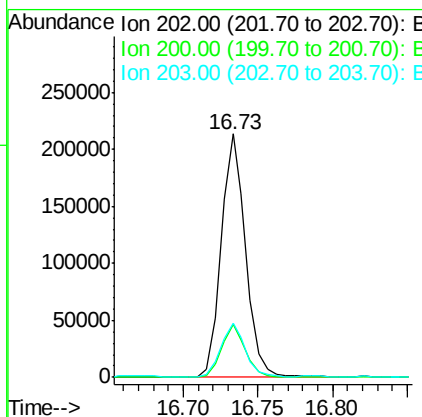
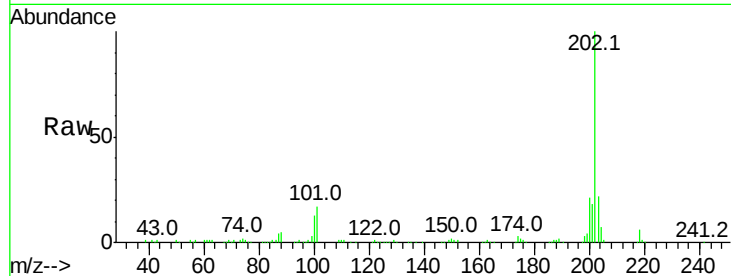
#77
Pvrene
Concen: 19.70 ng
RT: 16.73 min Scan# 2575
Delta R.T. -0.03 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Instrument :
BNA_F
ClientSampleId :
TP-OGR1-OGR2

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	22.4	14.4	21.6

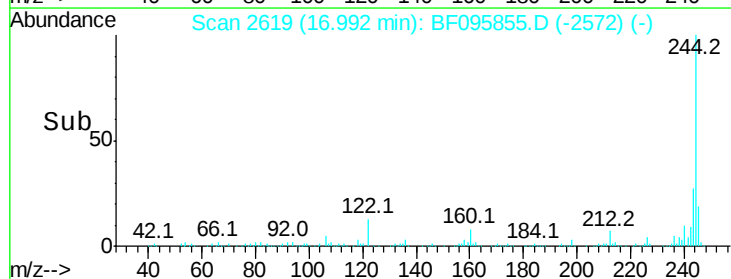
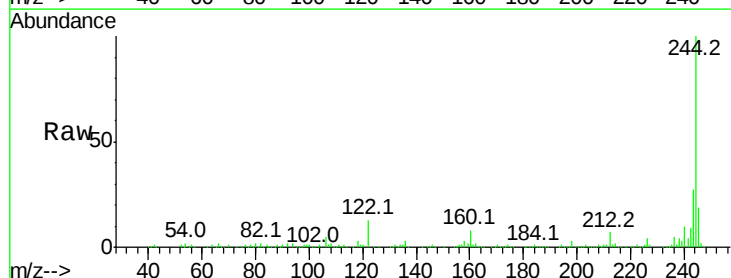
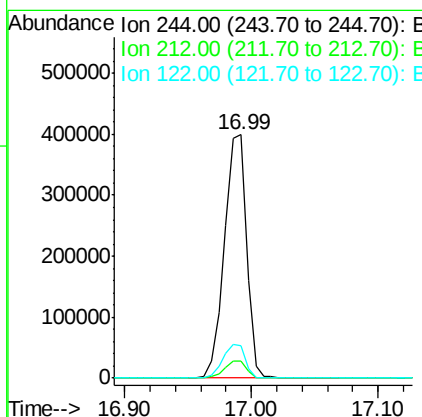
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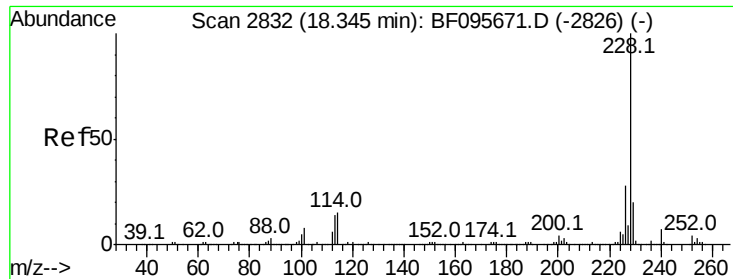
mohammad
6/12/2017 1:28:15 PM



#78
Terphenyl-d14
Concen: 71.90 ng
RT: 16.99 min Scan# 2619
Delta R.T. -0.02 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.1	10.3	15.5





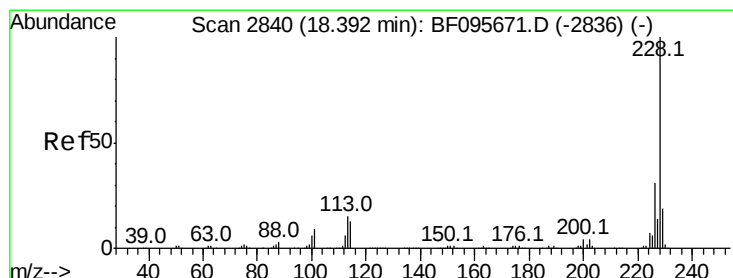
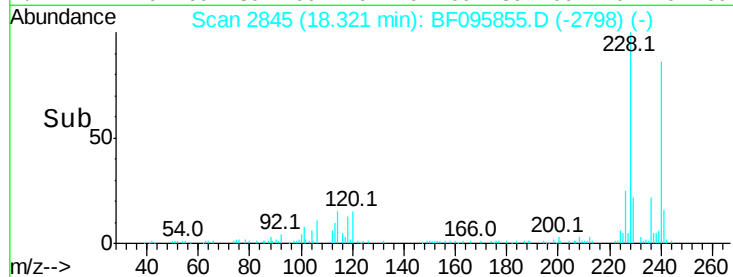
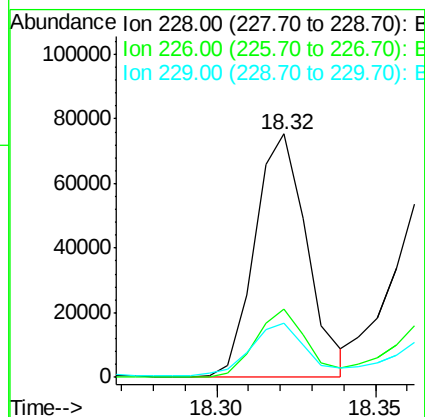
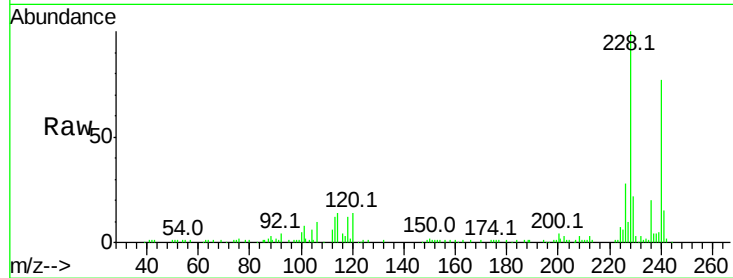
#80
Benzo(a)anthracene
Concen: 8.90 ng
RT: 18.32 min Scan# 2845
Delta R.T. -0.02 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Instrument :
BNA_F
ClientSampleId :
TP-OGR1-OGR2

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	22.2	16.3	24.5

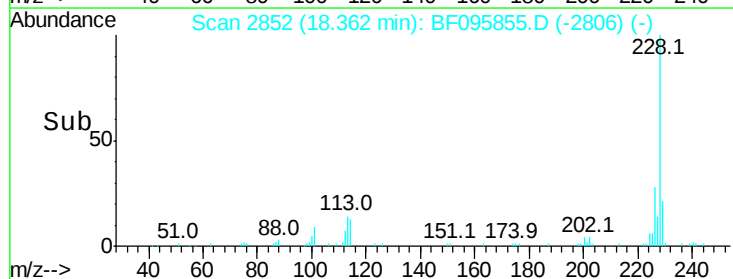
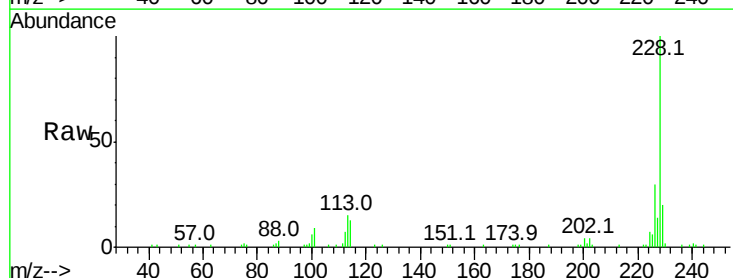
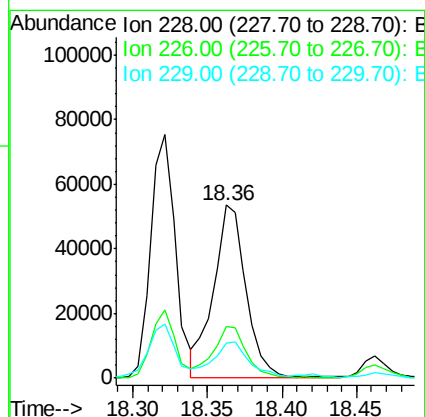
Manual Integrations
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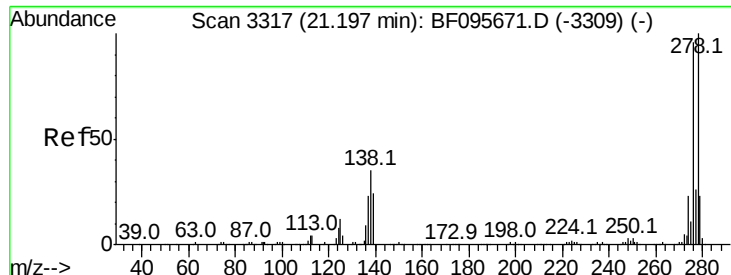
mohammad
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#82
Chrysene
Concen: 8.54 ng
RT: 18.36 min Scan# 2852
Delta R.T. -0.03 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.9	37.3
229	20.4	15.8	23.6





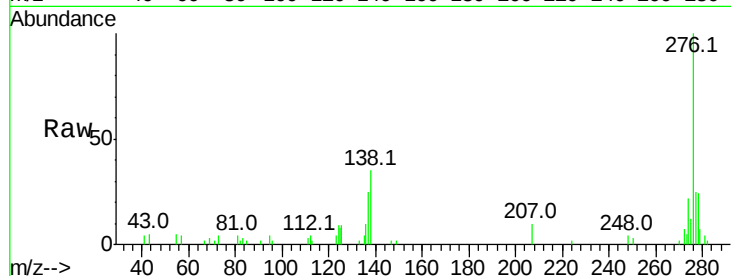
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.02 ng
RT: 21.19 min Scan# 3332
Delta R.T. -0.01 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Instrument :
BNA_F
ClientSampleId :
TP-OGR1-OGR2

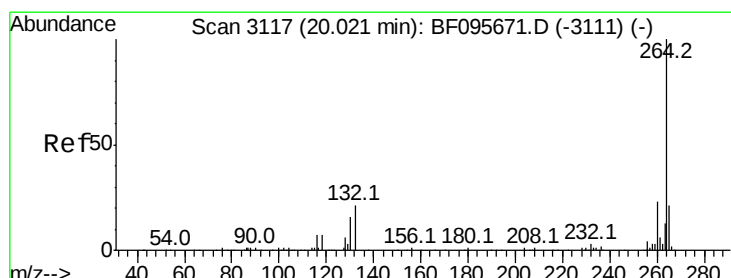
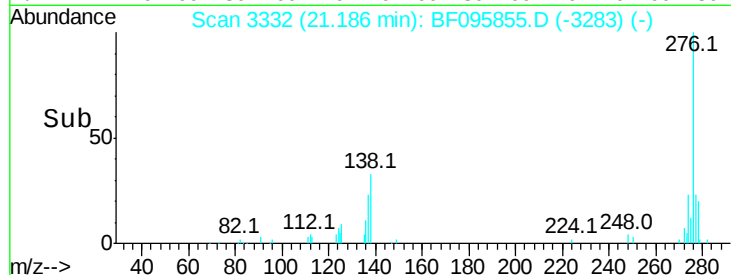
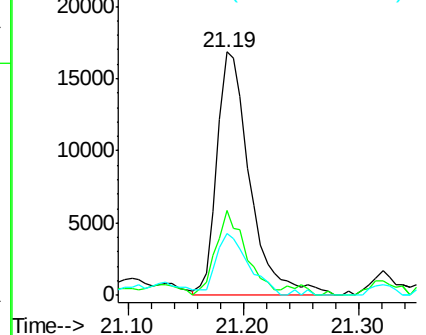
Tot Ion	Ratio	Lower	Upper
276	100		
138	32.2	27.8	41.6
277	24.6	20.2	30.4

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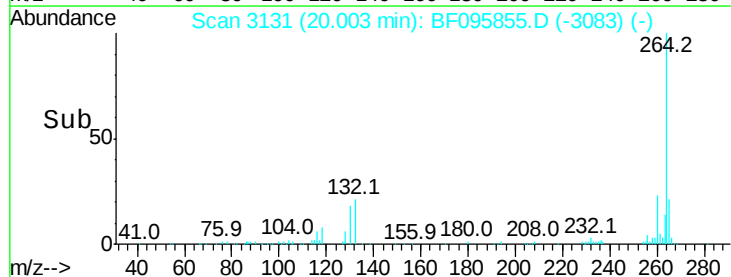
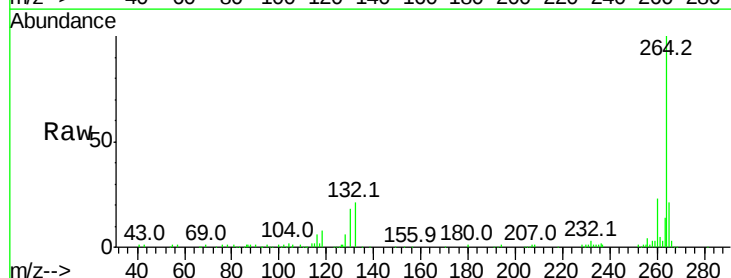
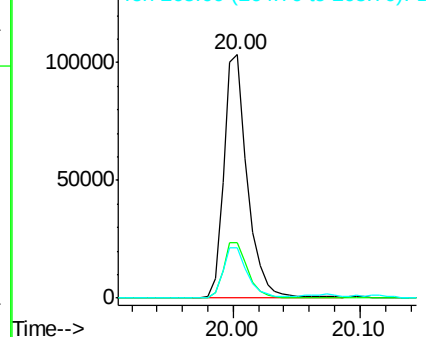
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

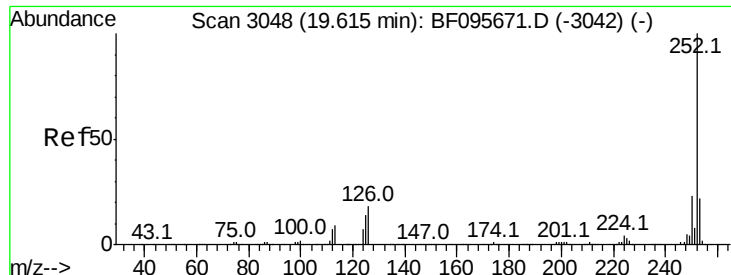


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	20.7	17.2	25.8

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: 8.78 ng

RT: 19.60 min Scan# 3063

Delta R.T. -0.01 min

Lab File: BF095855.D

Acq: 10 Jun 2017 19:07

Instrument :

BNA_F

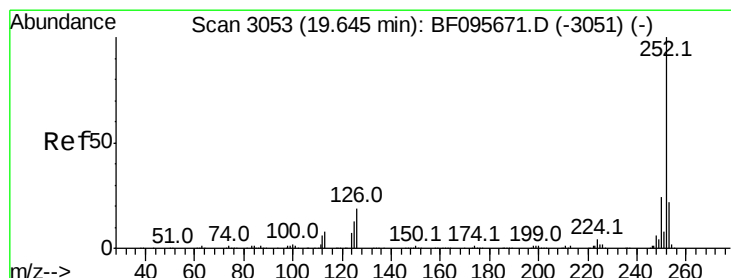
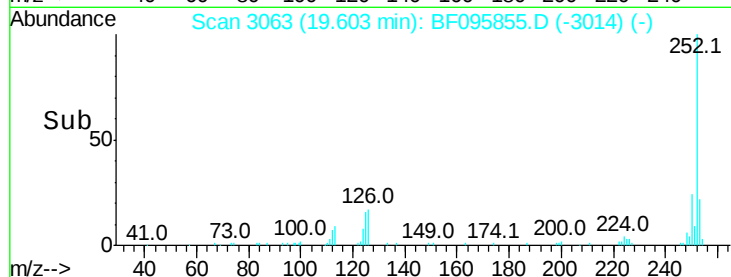
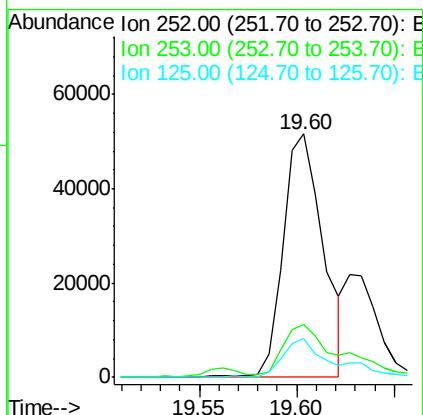
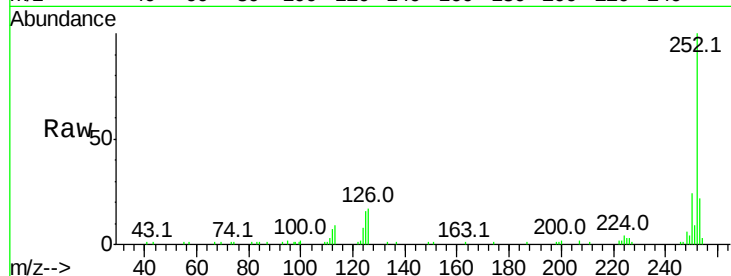
ClientSampleId :

TP-OGR1-OGR2

Tot Ion:	252	Resp:	73525
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.1	27.1
125	16.1	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 3.03 ng m

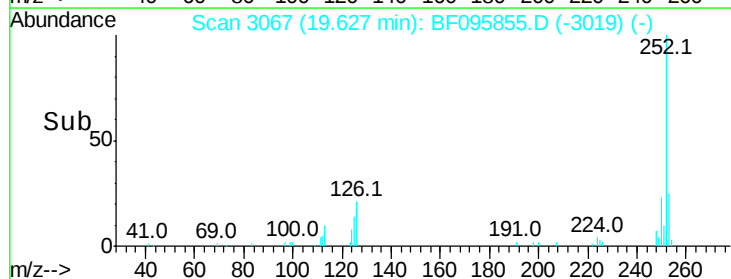
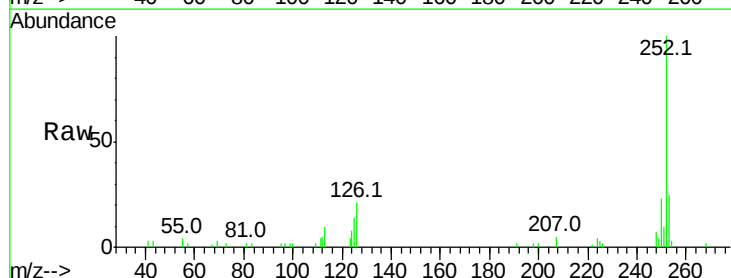
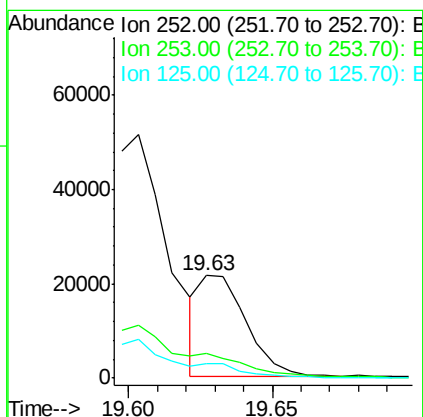
RT: 19.63 min Scan# 3067

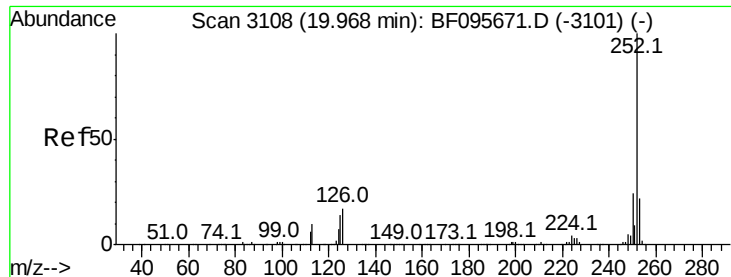
Delta R.T. -0.02 min

Lab File: BF095855.D

Acq: 10 Jun 2017 19:07

Tgt Ion:	252	Resp:	24267
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.4	27.6
125	14.4	13.1	19.7





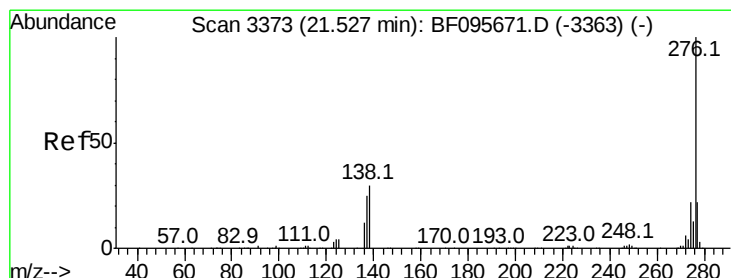
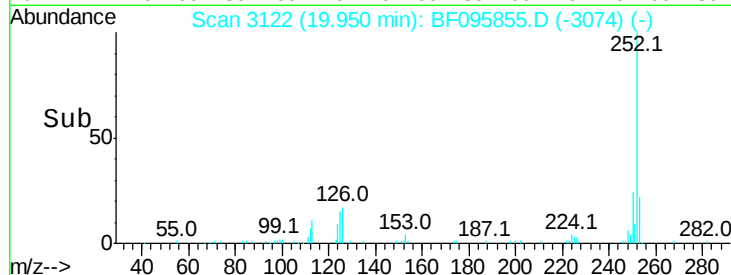
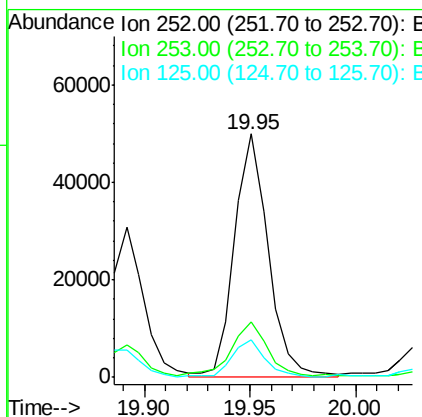
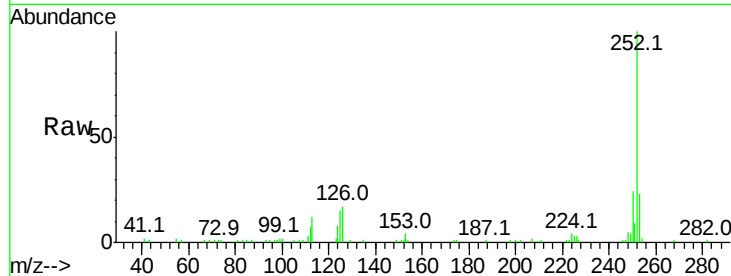
#89
Benzo(a)pyrene
Concen: 7.20 ng
RT: 19.95 min Scan# 3122
Delta R.T. -0.02 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Instrument :
BNA_F
ClientSampleId :
TP-OGR1-OGR2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	15.2	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.68 ng
RT: 21.52 min Scan# 3389
Delta R.T. -0.01 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	30.6	25.4	38.0

