

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
 Data File : BF095856.D
 Acq On : 10 Jun 2017 19:39
 Operator : SJ/MA
 Sample : I3583-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-2669

Manual Integrations
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Quant Time: Jun 12 04:54:36 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	63137	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	264354	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	121064	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	220705	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	147643	20.00	ng	-0.02
86) Perylene-d12	20.00	264	126951	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	378063	95.42	ng	-0.03
7) Phenol-d6	6.92	99	461600	97.31	ng	-0.04
23) Nitrobenzene-d5	8.28	82	263428	61.89	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	85462	79.79	ng	-0.04
44) 2-Fluorobiphenyl	11.17	172	471579	54.21	ng	-0.04
78) Terphenyl-d14	16.99	244	375810	63.17	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	11.87	163	71167	7.74	ng	98
70) Phenanthrene	14.65	178	116514	9.15	ng	96
71) Anthracene	14.74	178	46408	3.49	ng	96
74) Fluoranthene	16.43	202	312421	24.79	ng	99
77) Pyrene	16.73	202	257989	23.42	ng	# 96
80) Benzo(a)anthracene	18.32	228	104260	12.15	ng	98
82) Chrysene	18.37	228	92485	10.78	ng	97
85) Indeno(1,2,3-cd)pyrene	21.19	276	41975	5.72	ng	96
87) Benzo(b)fluoranthene	19.60	252	96621	12.15	ng	# 97
88) Benzo(k)fluoranthene	19.63	252	29757m	3.92	ng	
89) Benzo(a)pyrene	19.95	252	72848	9.97	ng	98
90) Dibenzo(a,h)anthracene	21.18	278	12525m	2.02	ng	
91) Benzo(a,h,i)perylene	21.52	276	40421	6.40	ng	96

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

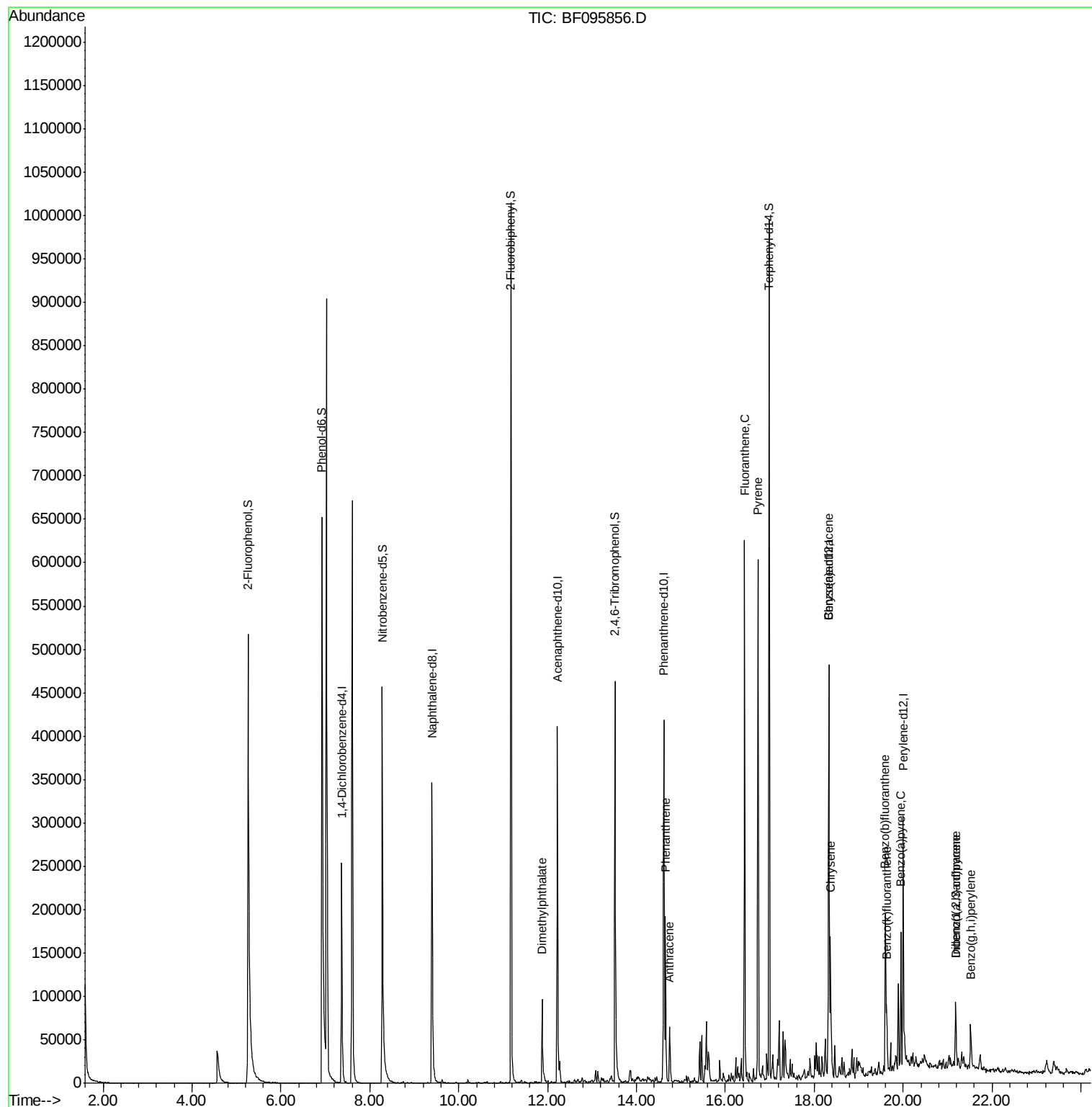
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
Data File : BF095856.D
Acq On : 10 Jun 2017 19:39
Operator : SJ/MA
Sample : I3583-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

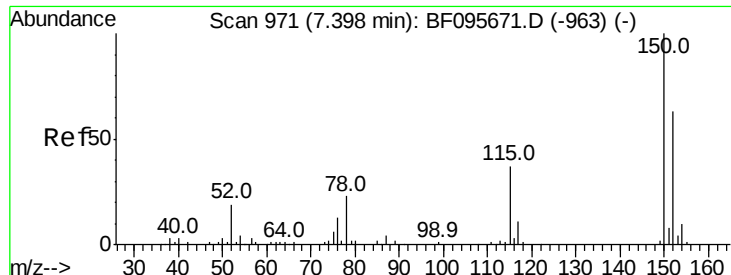
Instrument :
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#1

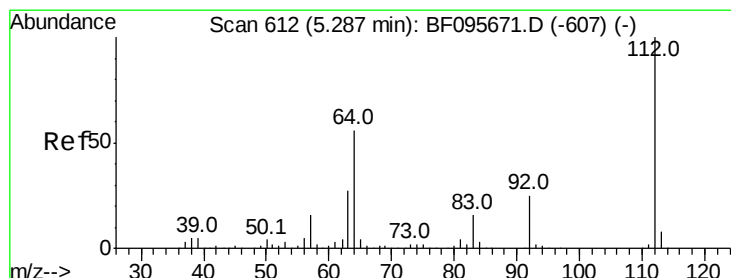
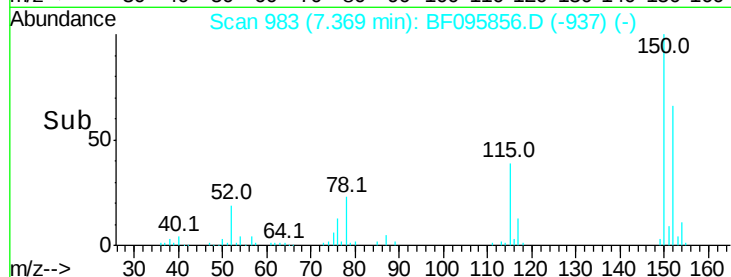
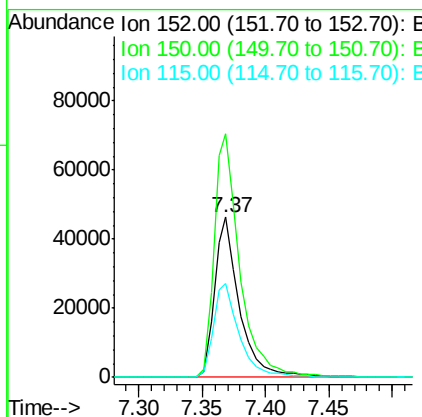
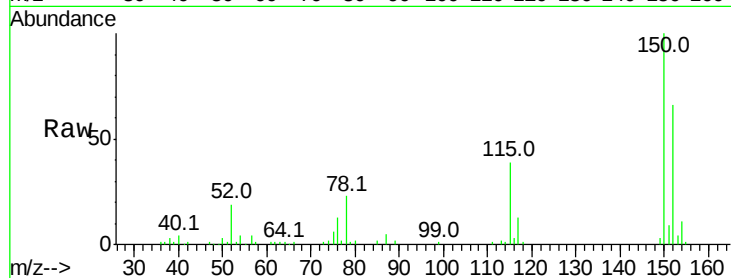
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Instrument :
BNA_F
ClientSampleId :
RO-2669

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	126.2	189.2
115	59.0	52.2	78.2

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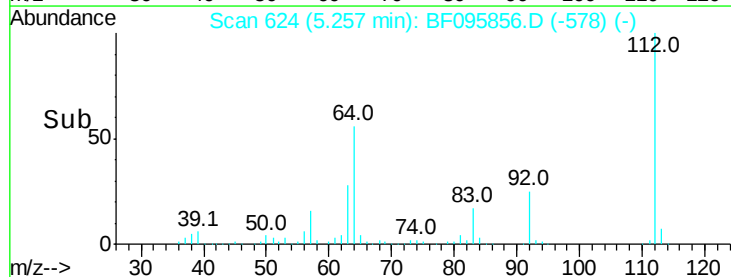
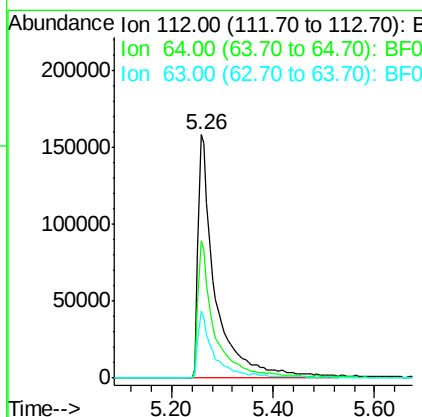
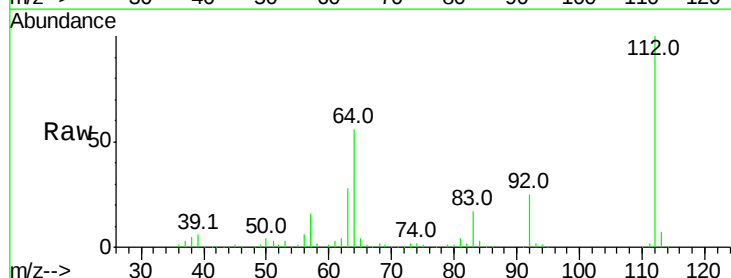
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#5

2-Fluorophenol
Concen: 95.42 ng
RT: 5.26 min Scan# 624
Delta R.T. -0.03 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.0	69.0
63	27.5	23.4	35.0





#7

Phenol-d6

Concen: 97.31 ng

RT: 6.92 min Scan# 907

Delta R.T. -0.04 min

Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

Instrument :

BNA_F

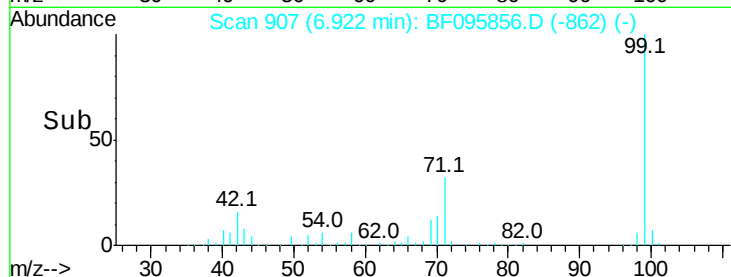
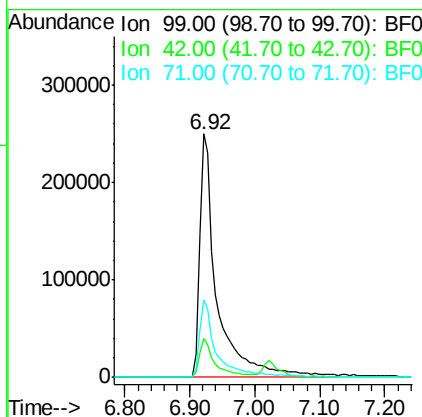
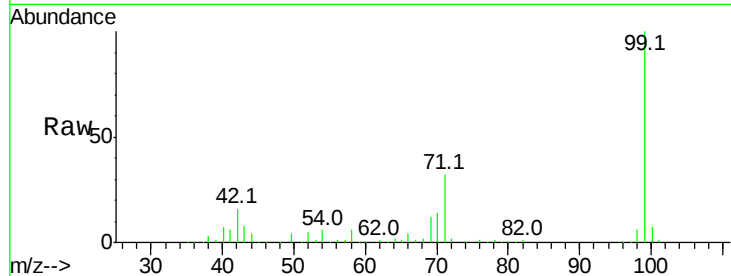
ClientSampleId :

RO-2669

Tot Ion:	99	Resp:	461600
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.5	20.3
71	32.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

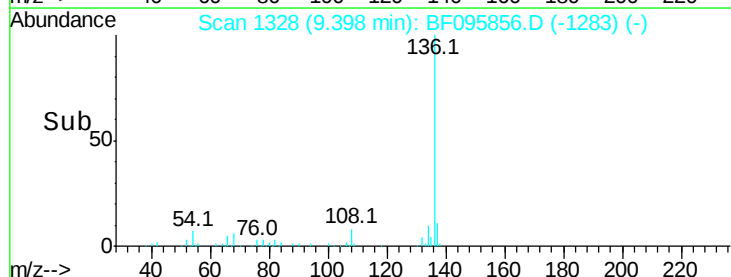
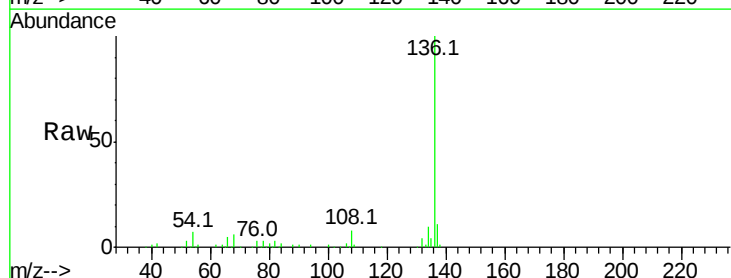
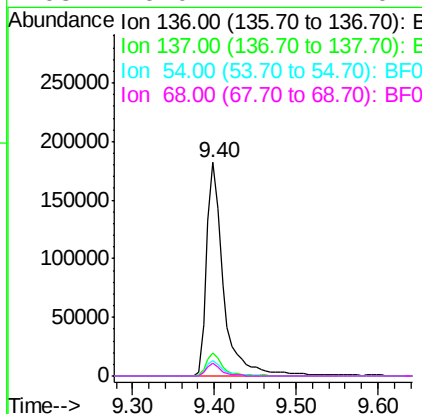
RT: 9.40 min Scan# 1328

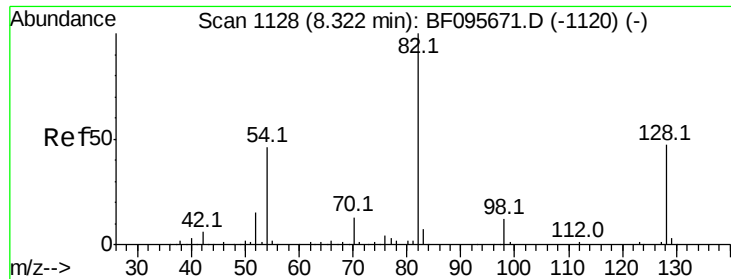
Delta R.T. -0.04 min

Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

Tgt Ion:	136	Resp:	264354
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	7.4	4.9	7.3#
68	6.0	4.1	6.1





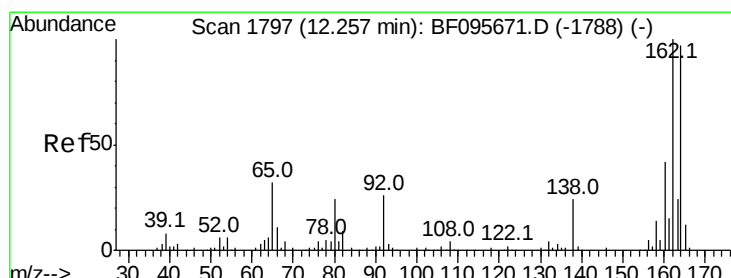
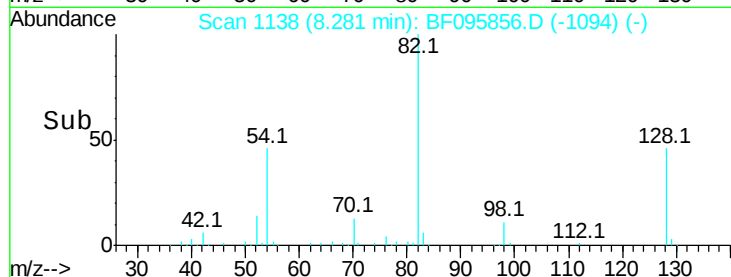
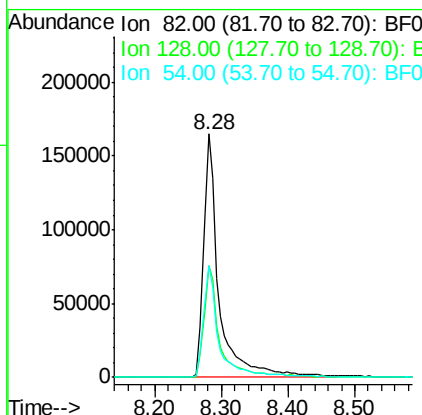
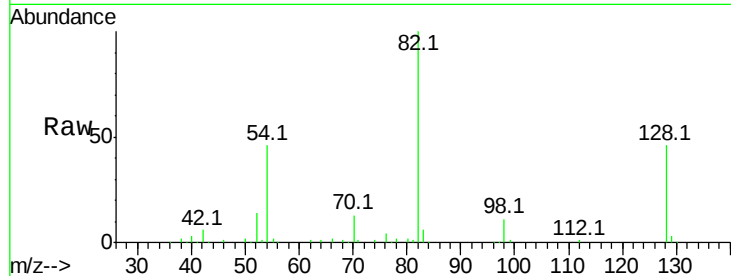
#23
Nitrobenzene-d5
Concen: 61.89 ng
RT: 8.28 min Scan# 1138
Delta R.T. -0.04 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Instrument :
BNA_F
ClientSampled :
RO-2669

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.9	34.0	51.0	
54	45.7	42.2	63.2	

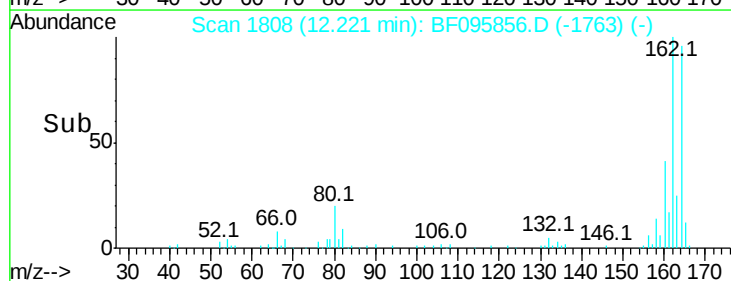
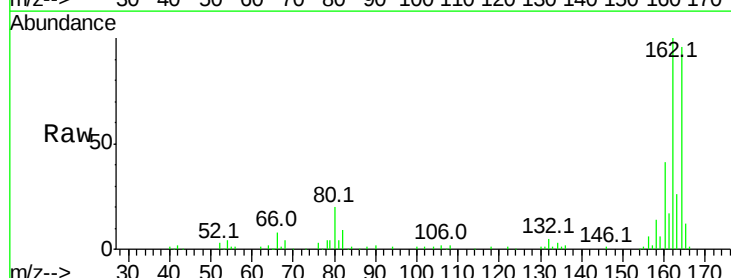
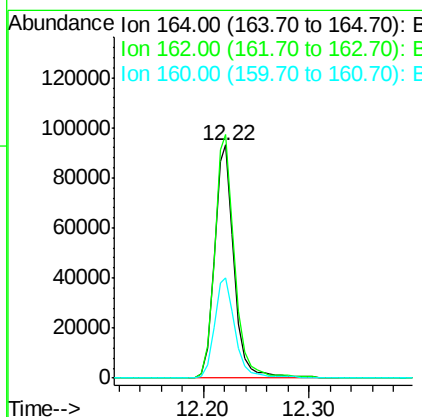
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.22 min Scan# 1808
Delta R.T. -0.04 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.5	82.6	123.8	
160	42.8	36.2	54.2	





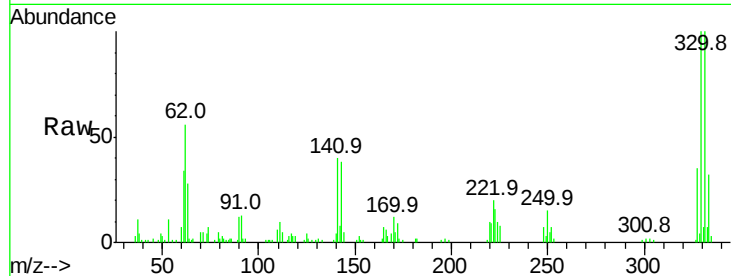
#41
 2,4,6-Tribromophenol
 Concen: 79.79 ng
 RT: 13.52 min Scan# 2028
 Delta R.T. -0.04 min
 Lab File: BF095856.D
 Acq: 10 Jun 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :
 RO-2669

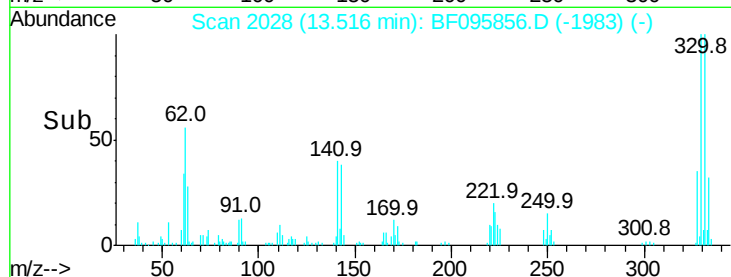
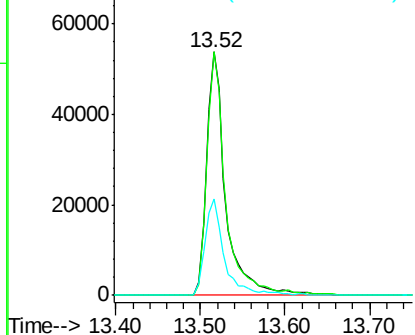
Tot Ion	Ratio	Lower	Upper
330	100		
332	99.3	76.6	115.0
141	39.5	31.4	47.2

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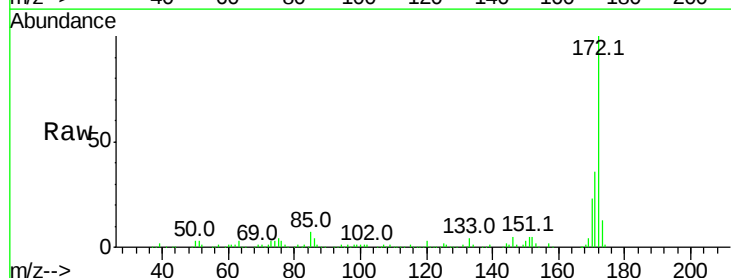


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

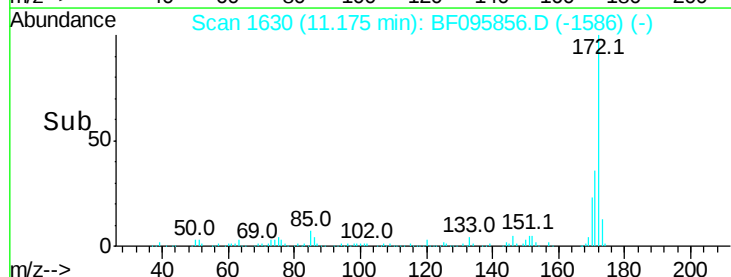
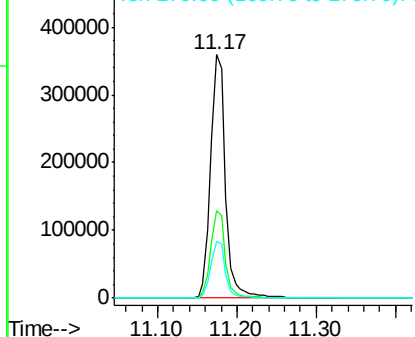


#44
 2-Fluorobiphenyl
 Concen: 54.21 ng
 RT: 11.17 min Scan# 1630
 Delta R.T. -0.04 min
 Lab File: BF095856.D
 Acq: 10 Jun 2017 19:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.3	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





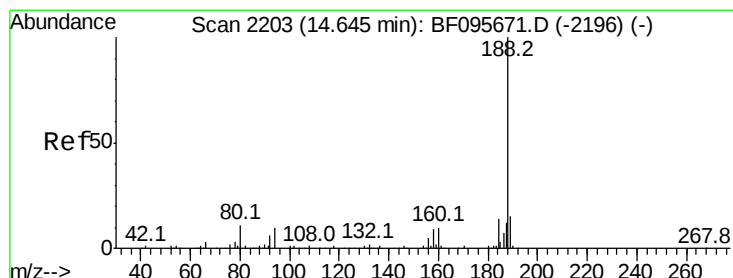
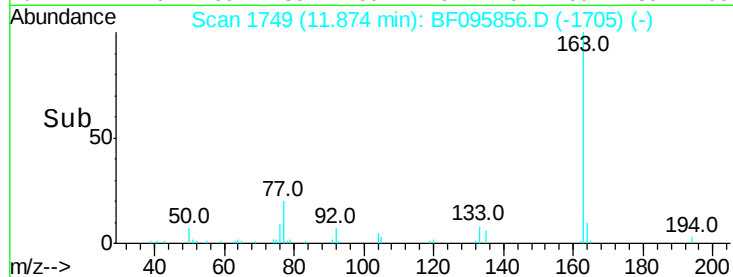
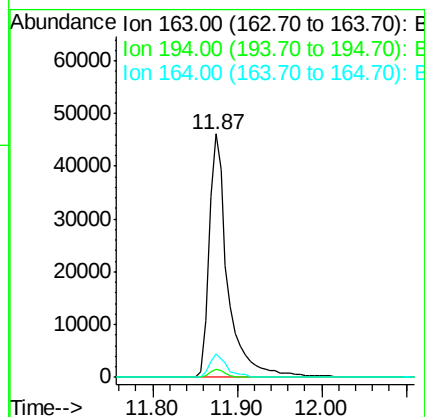
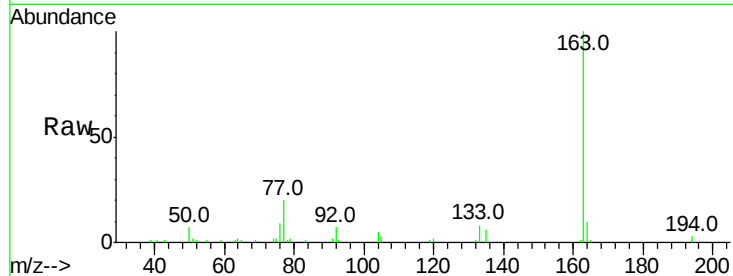
#49
Dimethylphthalate
Concen: 7.74 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Instrument :
BNA_F
ClientSampleId :
RO-2669

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	9.7	8.4	12.6

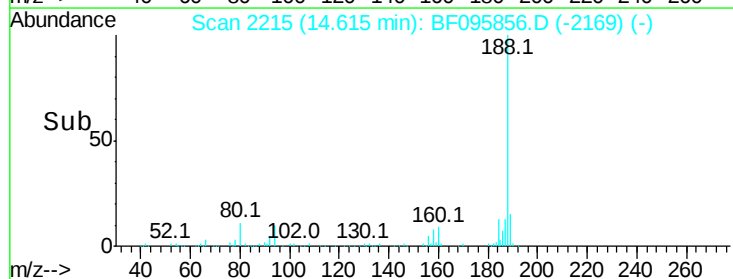
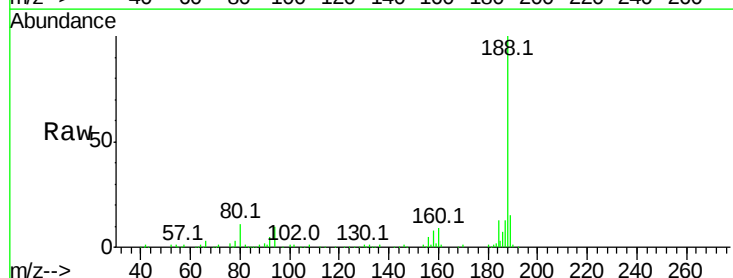
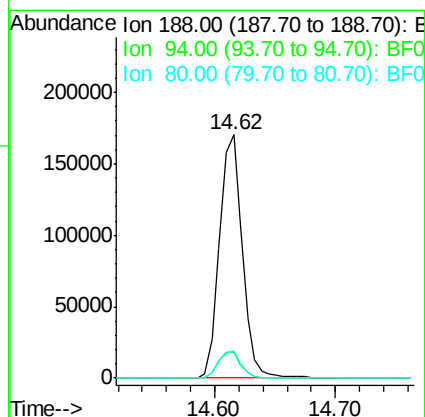
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.4	14.2
80	11.2	10.2	15.2





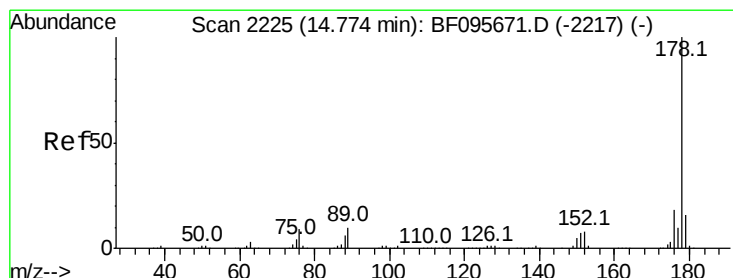
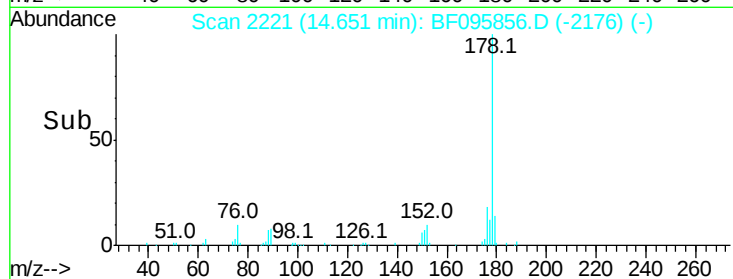
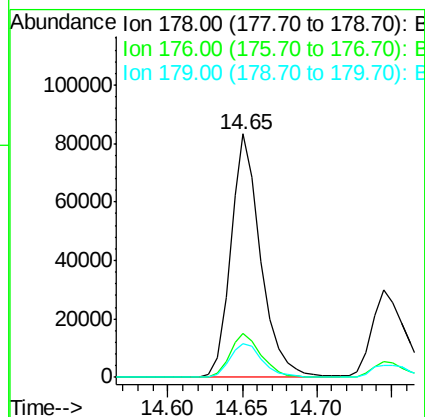
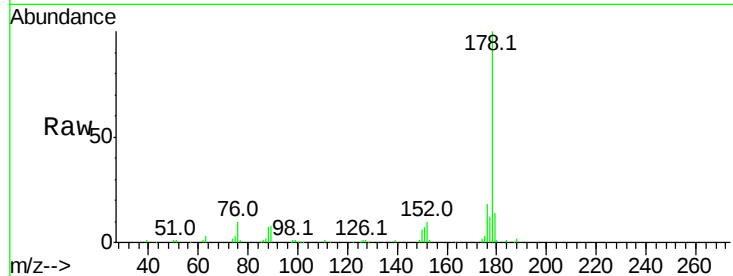
#70
Phenanthrene
Concen: 9.15 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Instrument :
BNA_F
ClientSampleId :
RO-2669

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.2	24.4
179	14.0	12.6	19.0

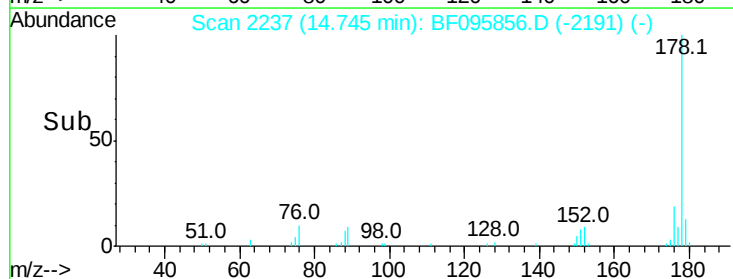
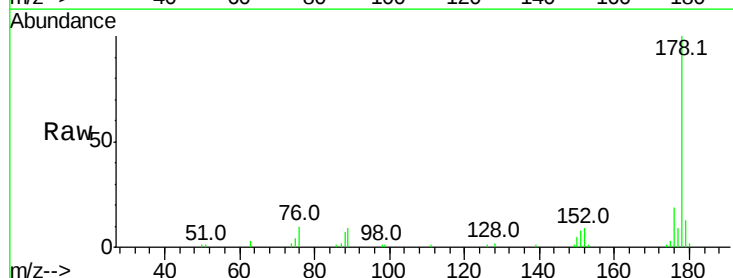
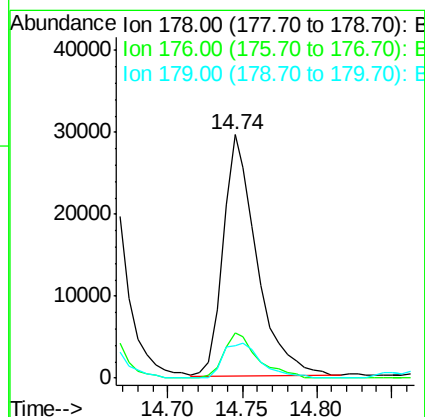
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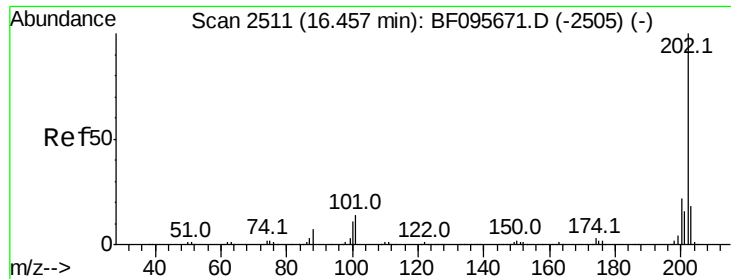
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#71
Anthracene
Concen: 3.49 ng
RT: 14.74 min Scan# 2237
Delta R.T. -0.03 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	13.1	12.7	19.1





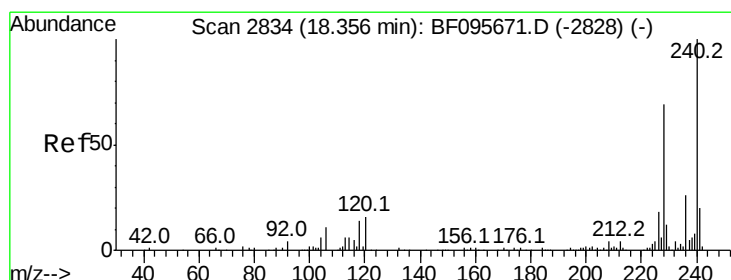
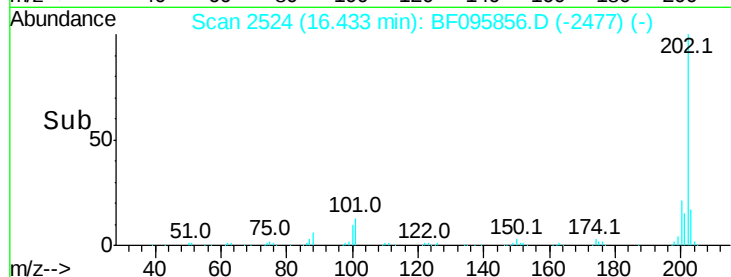
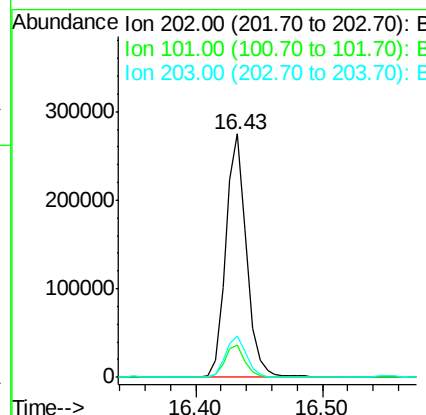
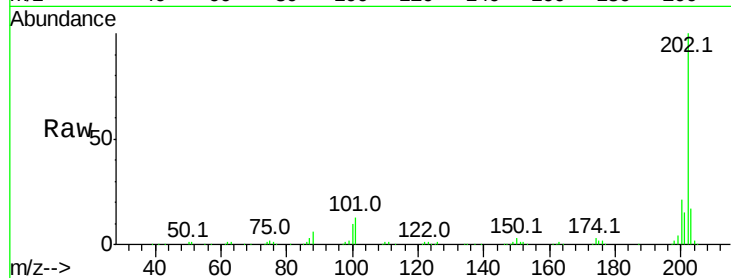
#74
Fluoranthene
 Concen: 24.79 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095856.D
 Acq: 10 Jun 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :
 RO-2669

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.1	0.0	38.1

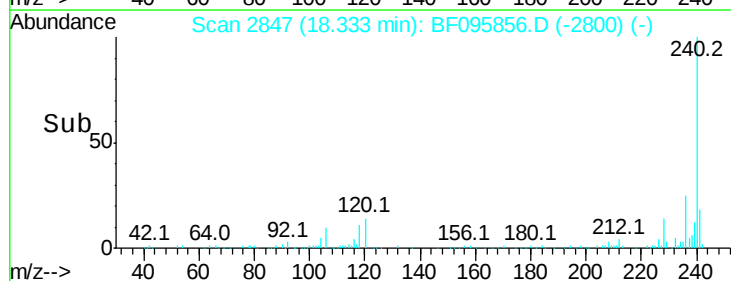
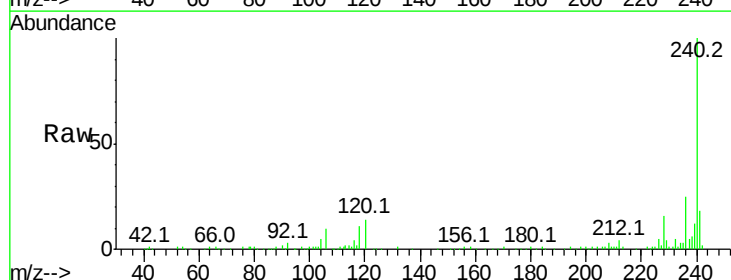
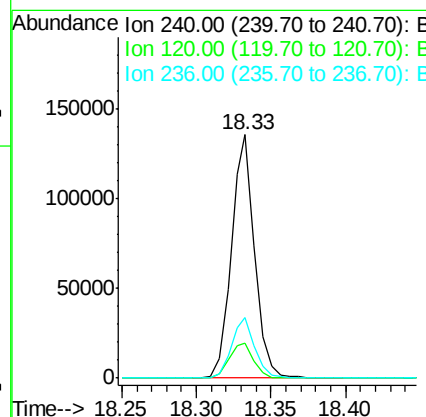
Manual Integrations
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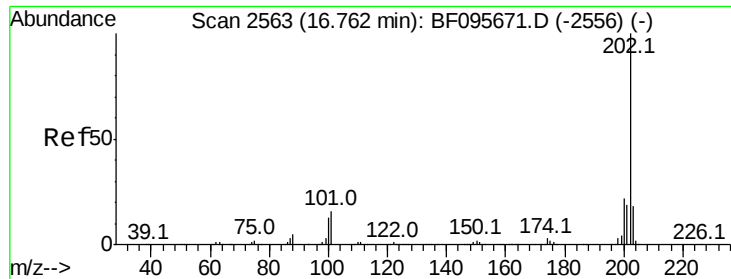
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#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.02 min
 Lab File: BF095856.D
 Acq: 10 Jun 2017 19:39

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	24.8	20.5	30.7





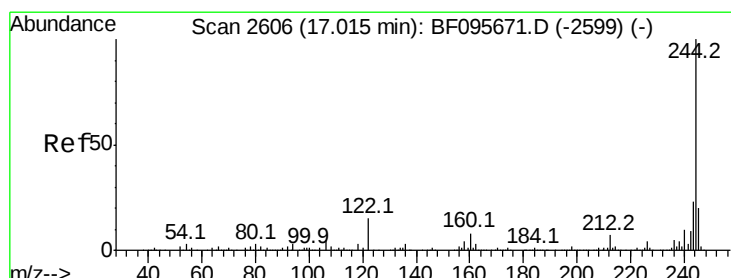
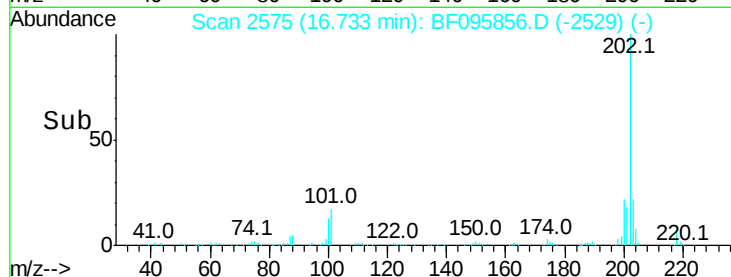
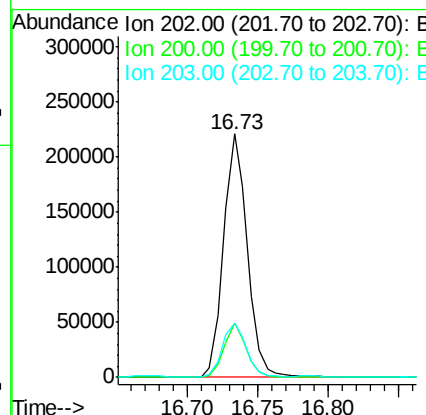
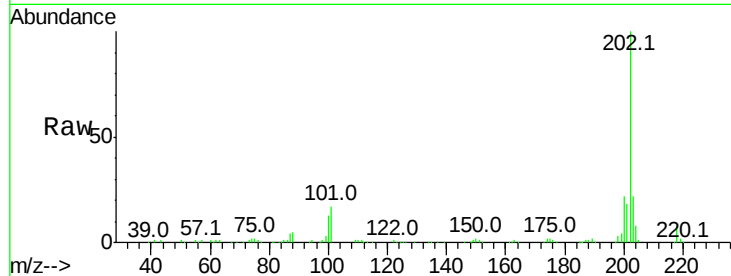
#77
Pvrene
Concen: 23.42 ng
RT: 16.73 min Scan# 2575
Delta R.T. -0.03 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Instrument :
BNA_F
ClientSampled :
RO-2669

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

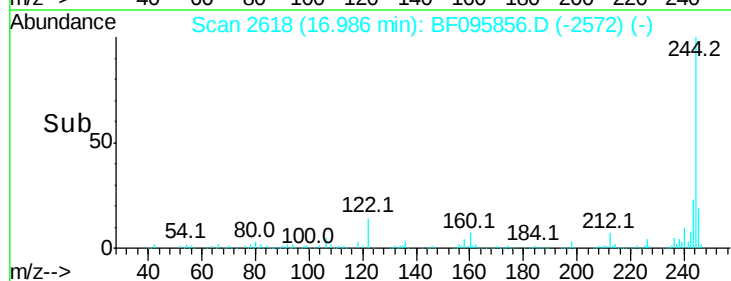
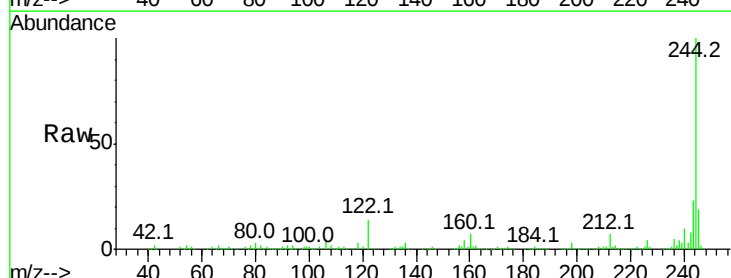
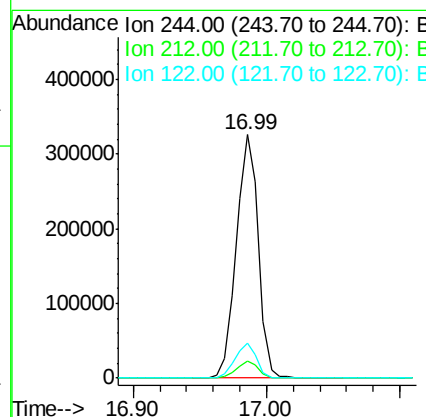
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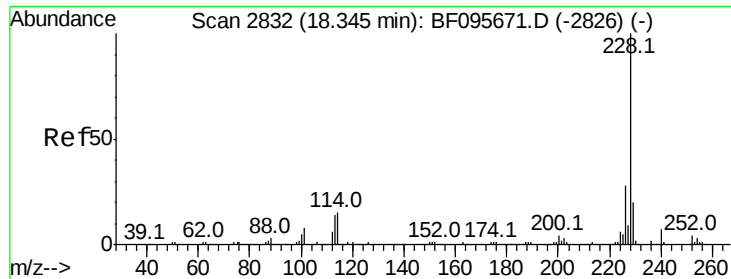
mohammad
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#78
Terphenyl-d14
Concen: 63.17 ng
RT: 16.99 min Scan# 2618
Delta R.T. -0.03 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	6.0	9.0
122	14.5	10.3	15.5





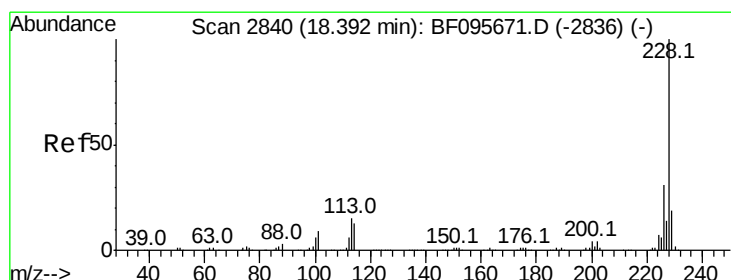
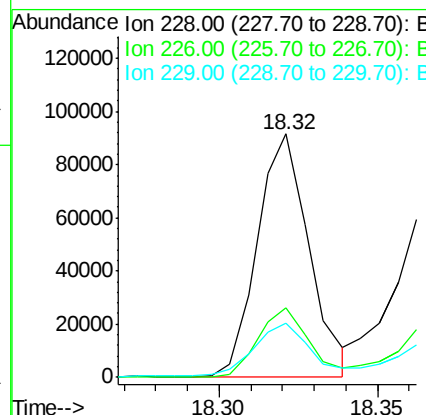
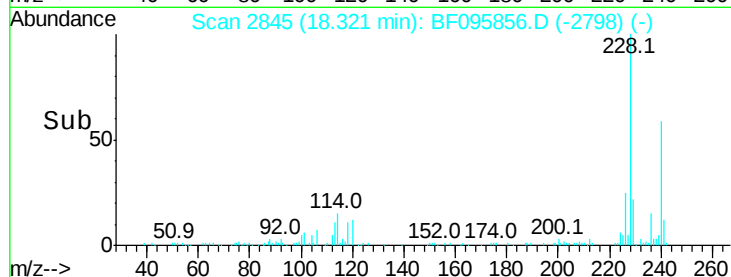
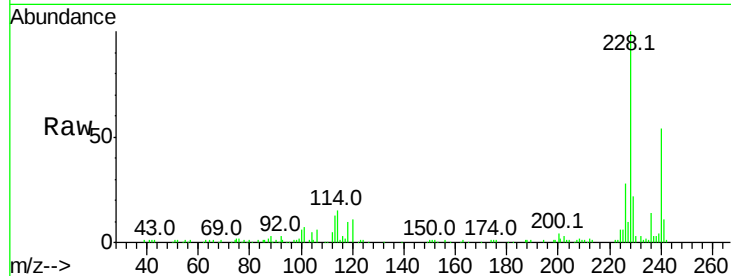
#80
Benzo(a)anthracene
Concen: 12.15 ng
RT: 18.32 min Scan# 2845
Delta R.T. -0.02 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Instrument :
BNA_F
ClientSampleId :
RO-2669

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	22.1	16.3	24.5

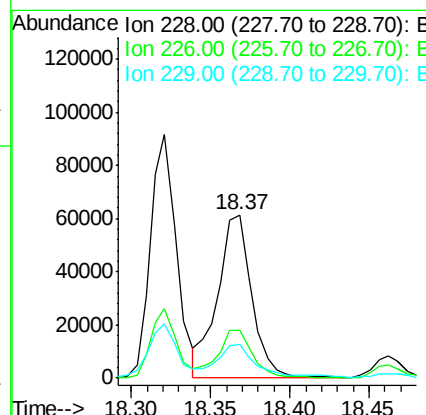
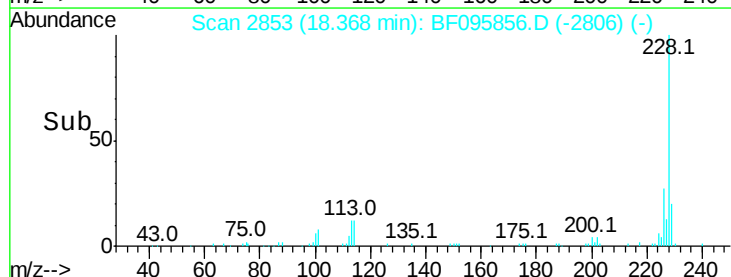
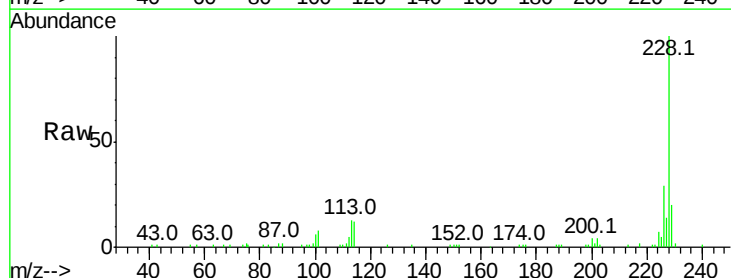
Manual Integrations
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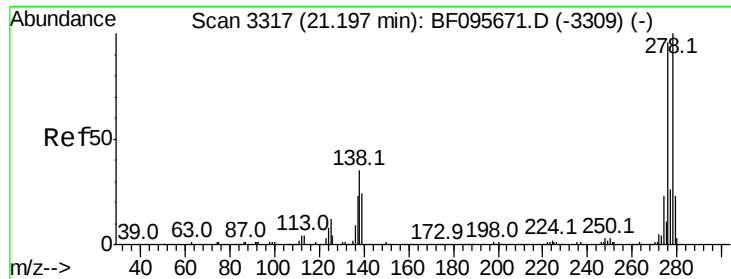
mohammad
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#82
Chrysene
Concen: 10.78 ng
RT: 18.37 min Scan# 2853
Delta R.T. -0.02 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.9	37.3
229	20.4	15.8	23.6





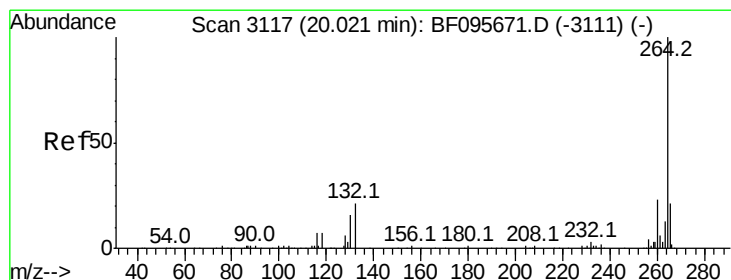
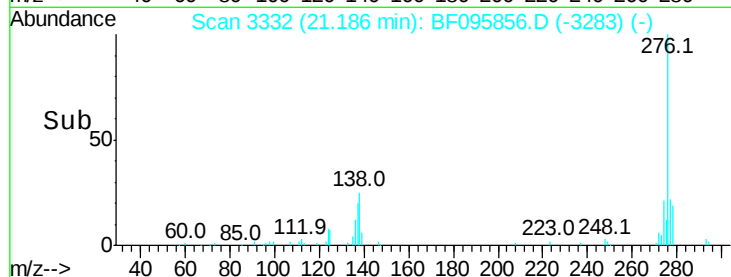
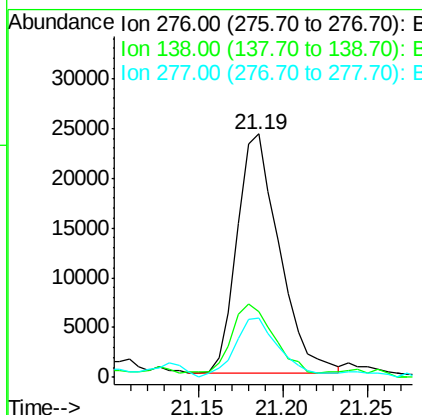
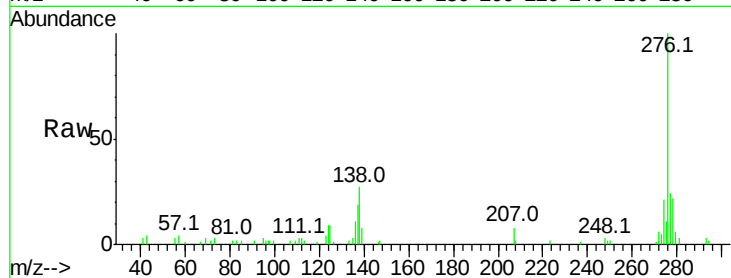
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.72 ng
 RT: 21.19 min Scan# 3332
 Delta R.T. -0.01 min
 Lab File: BF095856.D
 Acq: 10 Jun 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :
 RO-2669

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.1	27.8	41.6
277	26.5	20.2	30.4

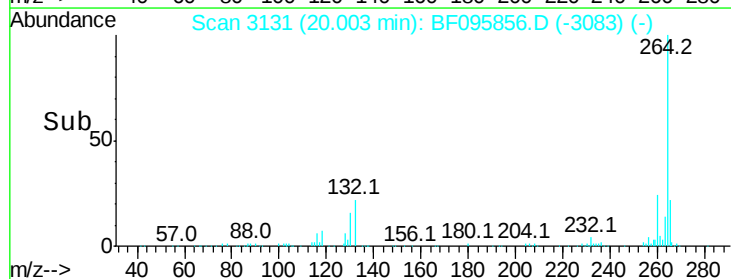
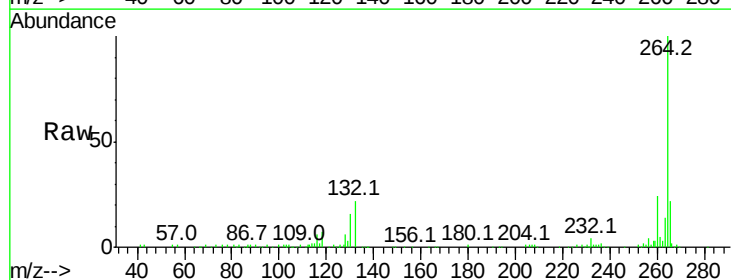
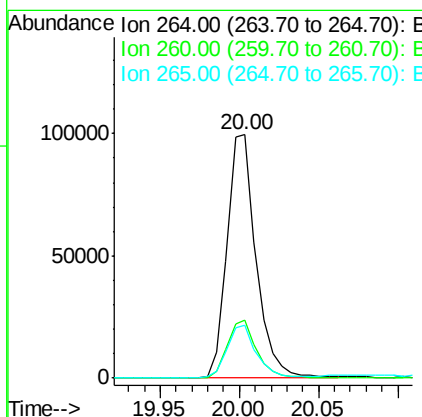
Manual Integrations
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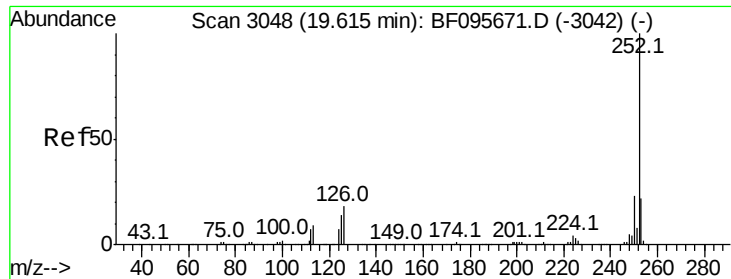
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.00 min Scan# 3131
 Delta R.T. -0.02 min
 Lab File: BF095856.D
 Acq: 10 Jun 2017 19:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 12.15 ng

RT: 19.60 min Scan# 3062

Delta R.T. -0.02 min

Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

Instrument :

BNA_F

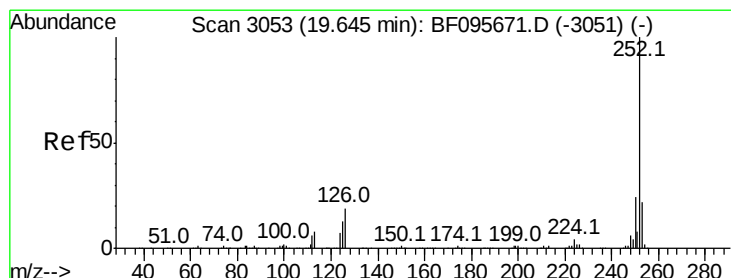
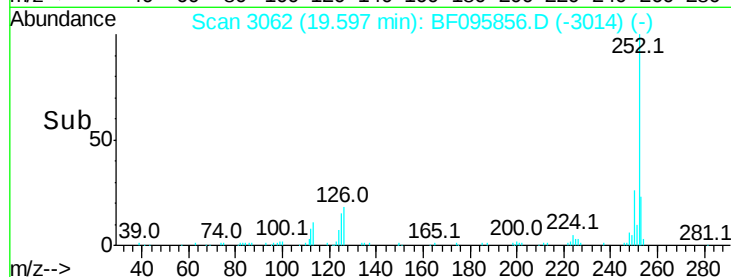
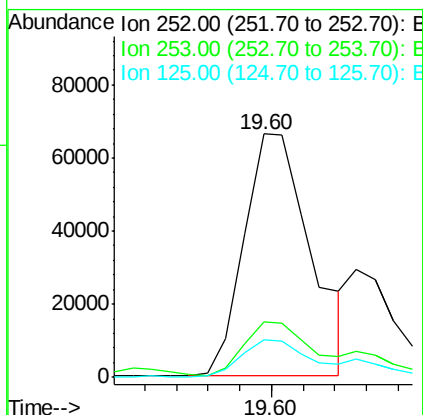
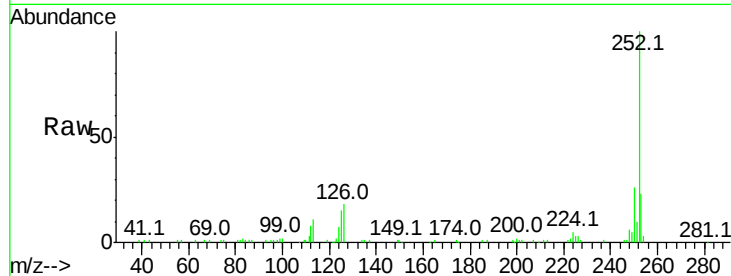
ClientSampleId :

RO-2669

Tot Ion:	252	Resp:	96621
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.1	27.1
125	15.2	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.92 ng m

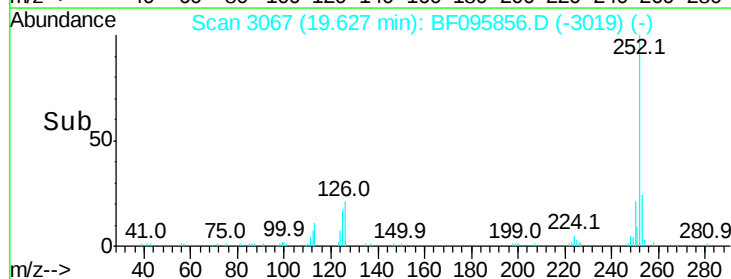
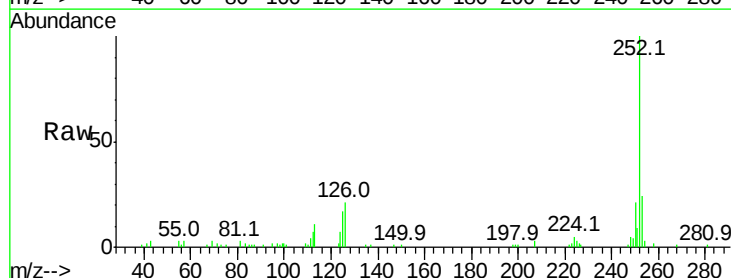
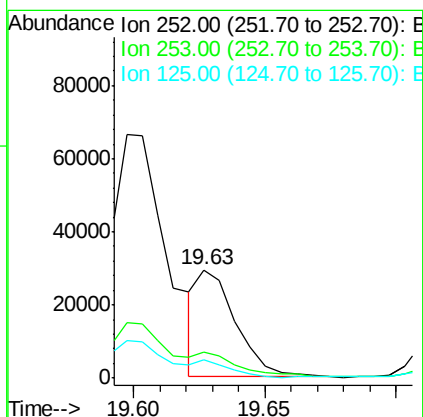
RT: 19.63 min Scan# 3067

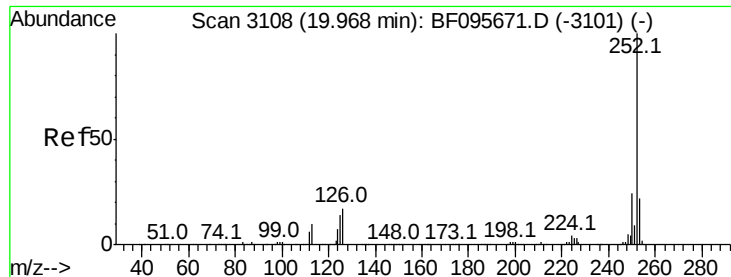
Delta R.T. -0.02 min

Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

Tgt Ion:	252	Resp:	29757
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.4	27.6
125	17.1	13.1	19.7





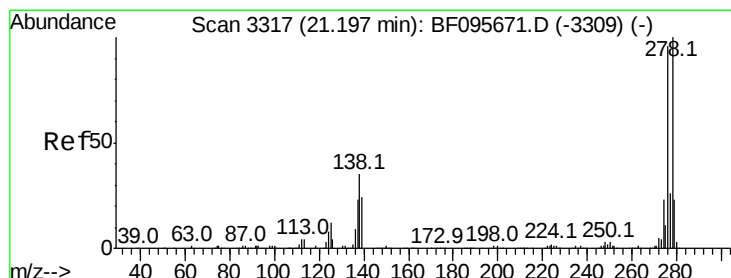
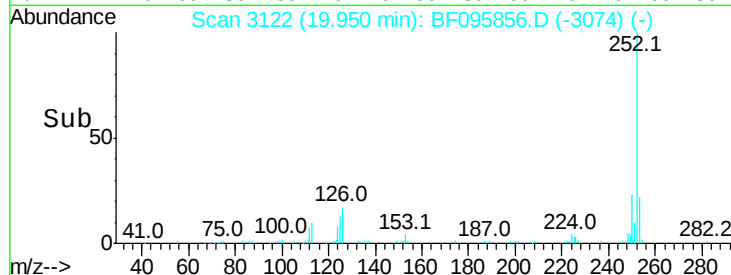
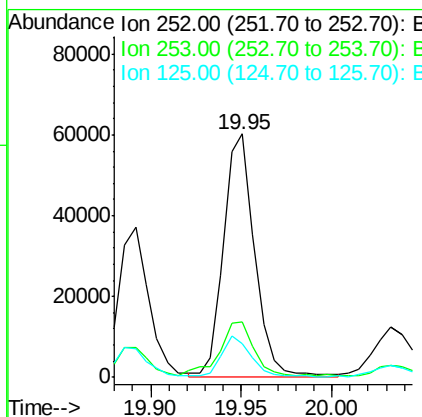
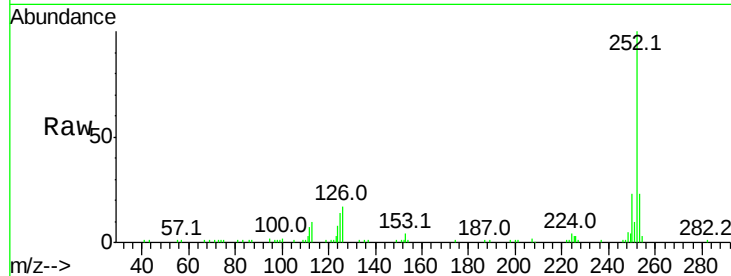
#89
Benzo(a)pyrene
Concen: 9.97 ng
RT: 19.95 min Scan# 3122
Delta R.T. -0.02 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Instrument :
BNA_F
ClientSampleId :
RO-2669

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	13.9	11.0	16.4

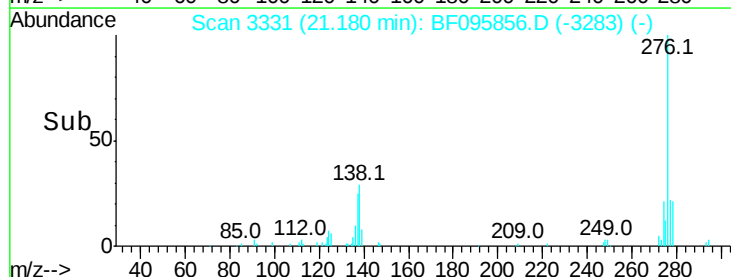
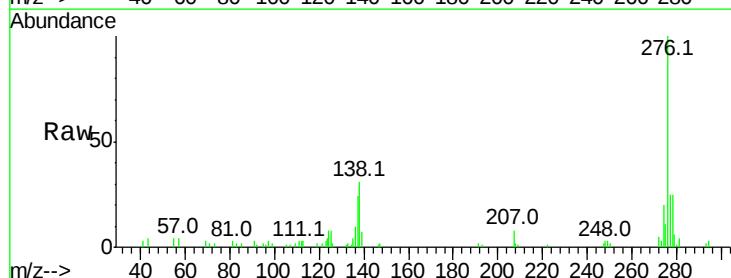
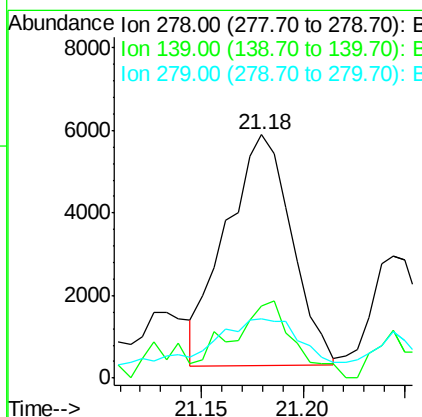
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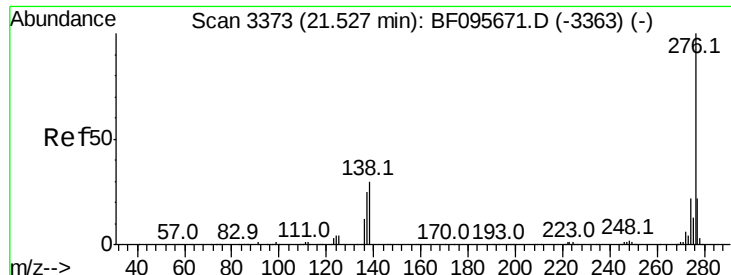
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#90
Dibenzo(a,h)anthracene
Concen: 2.02 ng m
RT: 21.18 min Scan# 3331
Delta R.T. -0.02 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.5	16.6	24.8#
279	24.6	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 6.40 ng

RT: 21.52 min Scan# 3389

Delta R.T. -0.01 min

Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

Instrument :

BNA_F

ClientSampleId :

RO-2669

Tot Ion:	276	Resp:	40421
Ion Ratio	Lower	Upper	
276	100		
277	27.2	18.6	28.0
138	31.1	25.4	38.0

Manual Integrations
APPROVED

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