

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095150.D
 Acq On : 16 May 2017 5:24
 Operator : SJ/MA
 Sample : I3140-14 20X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-17-7

Manual Integrations
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Quant Time: May 16 15:56:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	73039	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	289608	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	124043	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	185147	20.00	ng	0.05
75) Chrysene-d12	18.70	240	177000	20.00	ng	0.05
86) Perylene-d12	20.38	264	136728	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.88	112	17161m	3.92	ng	0.20
7) Phenol-d6	7.42	99	24393m	4.64	ng	0.15
23) Nitrobenzene-d5	8.74	82	9819	2.14	ng	0.10
41) 2,4,6-Tribromophenol	13.95	330	3093	3.04	ng	0.07
44) 2-Fluorobiphenyl	11.58	172	33828	3.93	ng	0.05
78) Terphenyl-d14	17.35	244	22467	2.80	ng	0.04
Target Compounds						Qvalue
70) Phenanthrene	15.07	178	140222	13.18	ng	97
71) Anthracene	15.15	178	41160	3.79	ng	95
74) Fluoranthene	16.81	202	241914	22.17	ng	100
77) Pyrene	17.11	202	215214	16.26	ng	97
80) Benzo(a)anthracene	18.69	228	105407	10.23	ng	97
82) Chrysene	18.73	228	103051	10.35	ng	98
83) Bis(2-ethylhexyl)phthalate	18.75	149	25294	2.88	ng	# 94
85) Indeno(1,2,3-cd)pyrene	21.72	276	34302	4.24	ng	90
87) Benzo(b)fluoranthene	19.97	252	101360m	12.00	ng	
88) Benzo(k)fluoranthene	19.99	252	32756m	4.02	ng	
89) Benzo(a)pyrene	20.32	252	73682	9.45	ng	# 95
91) Benzo(a,h,i)perylene	22.11	276	35896	5.68	ng	96

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

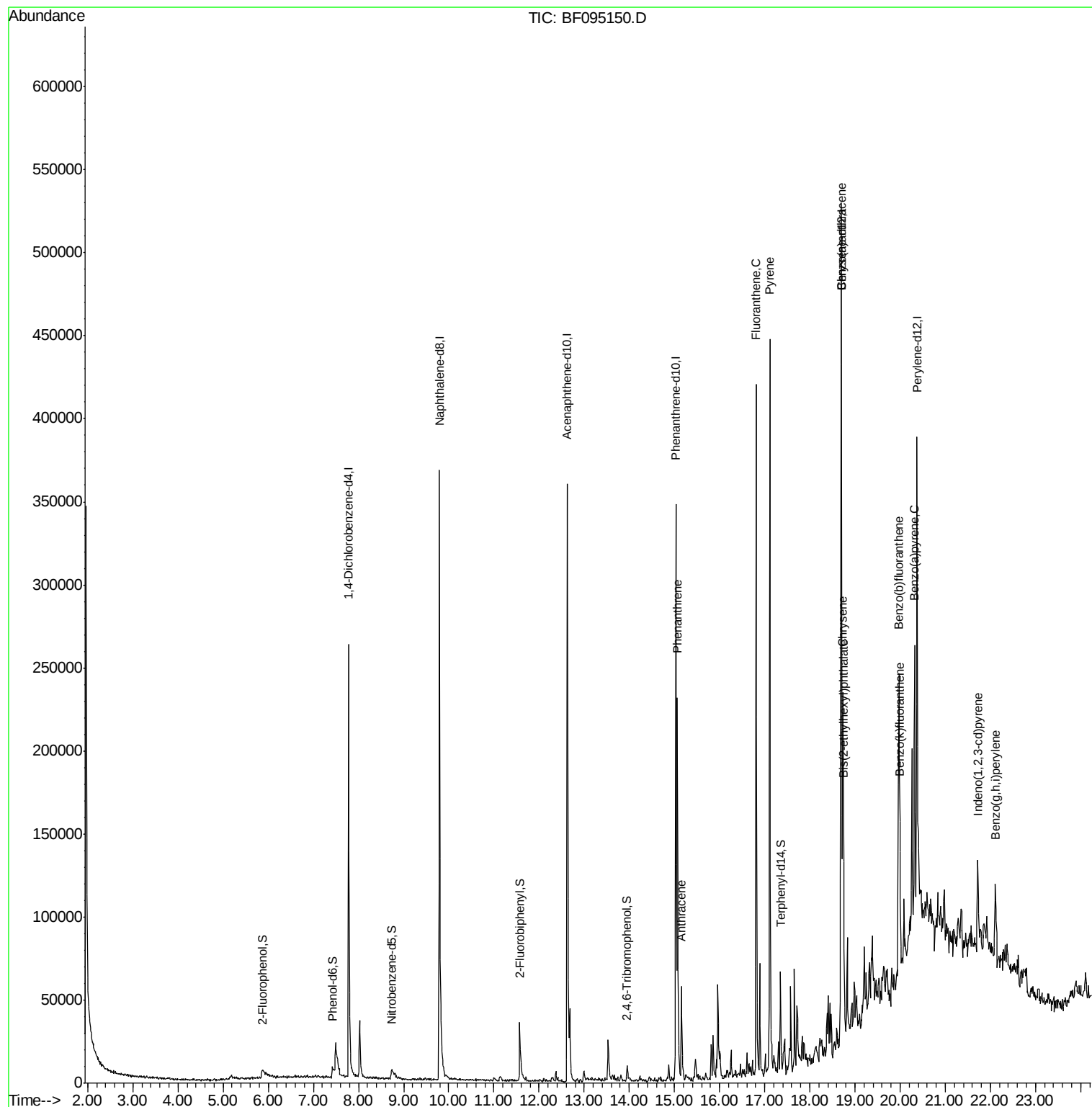
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095150.D
Acq On : 16 May 2017 5:24
Operator : SJ/MA
Sample : I3140-14 20X
Misc :
ALS Vial : 26 Sample Multiplier: 1

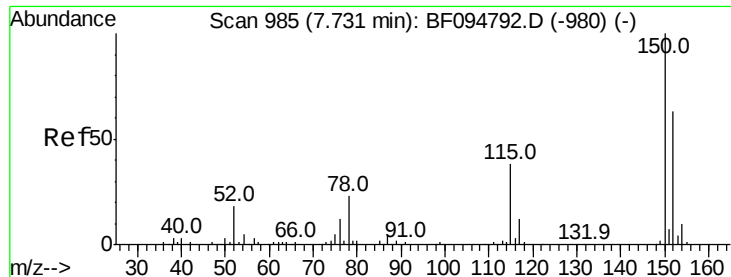
Instrument :
BNA_F
ClientSampled :
TP-17-7

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#1

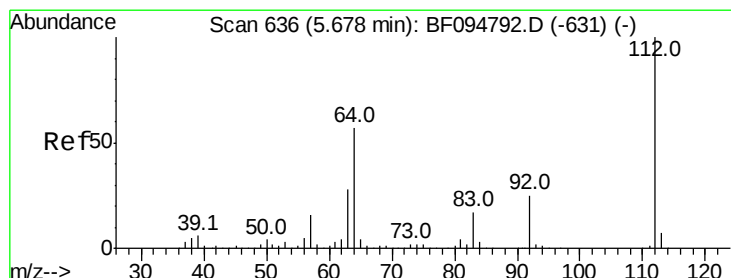
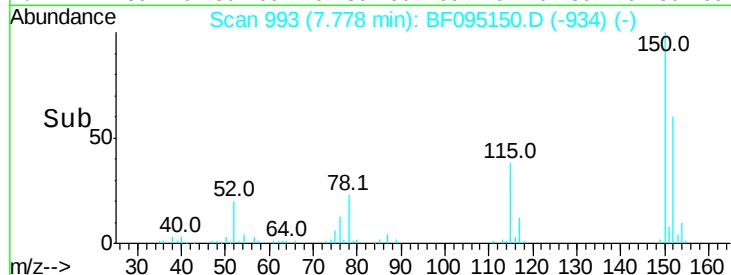
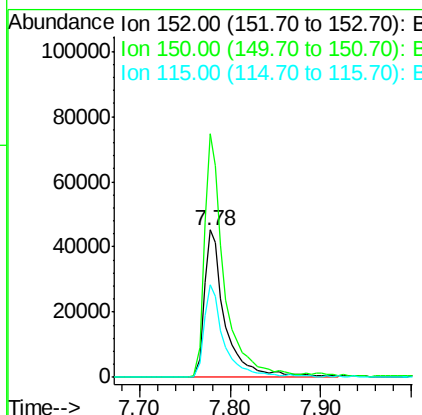
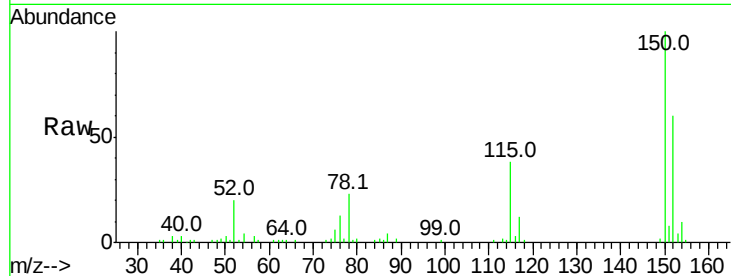
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095150.D
Acq: 16 May 2017 5:24

Instrument :
BNA_F
ClientSampled :
TP-17-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.4	126.2	189.2
115	63.2	52.2	78.2

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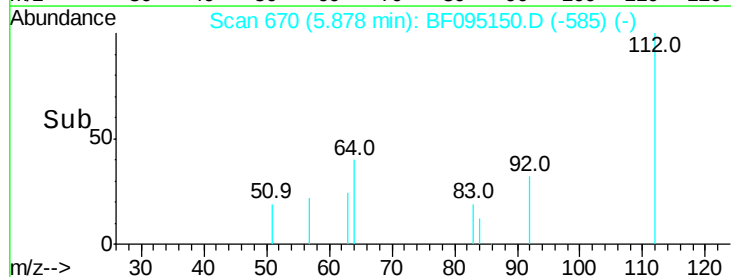
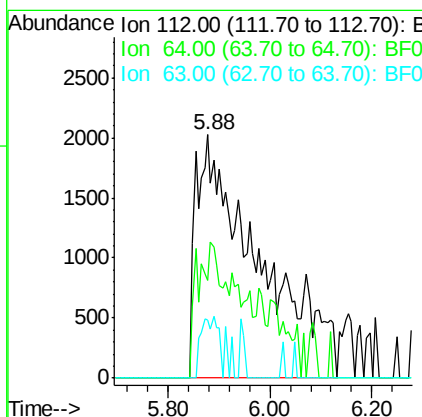
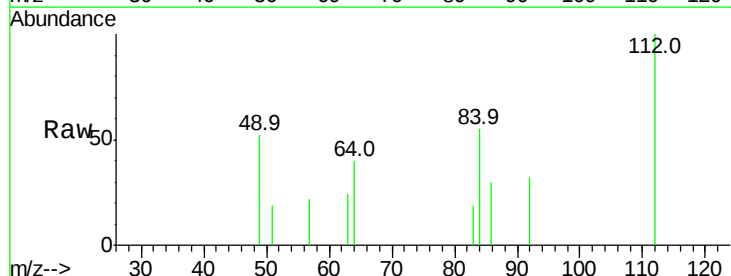
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#5

2-Fluorophenol
Concen: 3.92 ng m
RT: 5.88 min Scan# 670
Delta R.T. 0.20 min
Lab File: BF095150.D
Acq: 16 May 2017 5:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	39.9	46.0	69.0#
63	24.0	23.4	35.0





#7

Phenol-d6

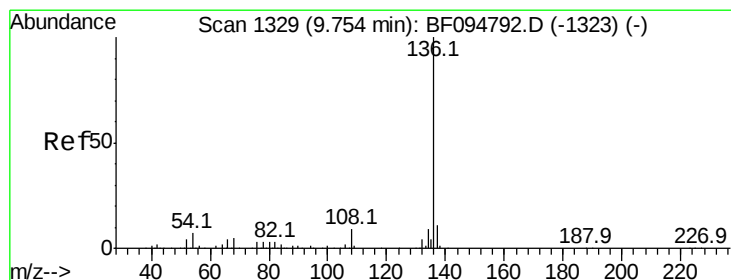
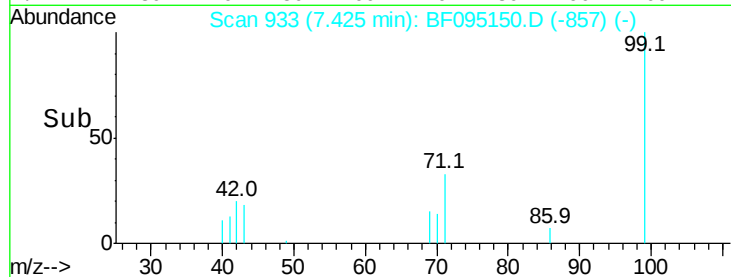
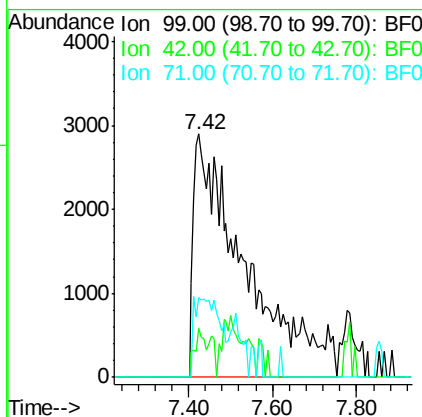
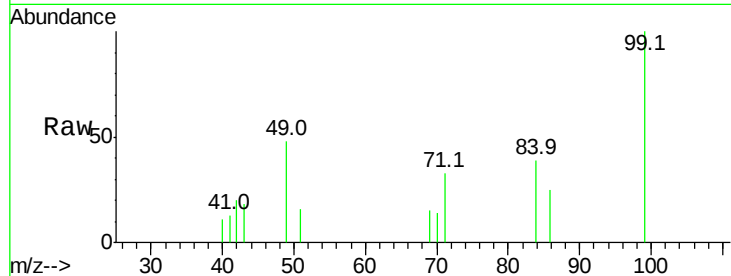
Concen: 4.64 ng/ml
 RT: 7.42 min Scan# 933
 Delta R.T. 0.15 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Instrument :
 BNA_F
 ClientSampled :
 TP-17-7

Tot Ion:	99	Resp:	24393
Ion Ratio	Lower	Upper	
99	100		
42	20.2	13.5	20.3
71	32.6	24.5	36.7

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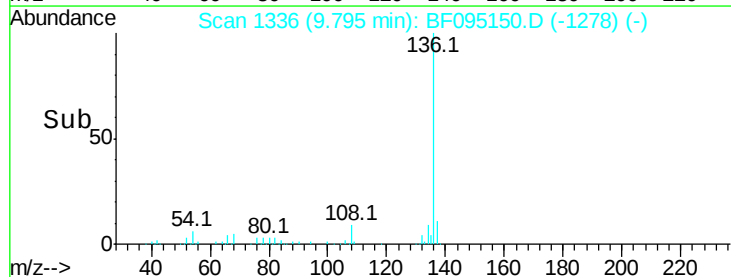
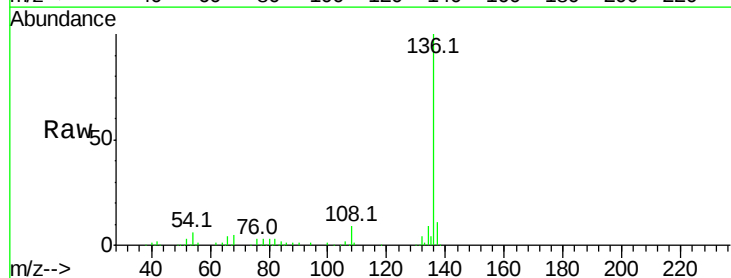
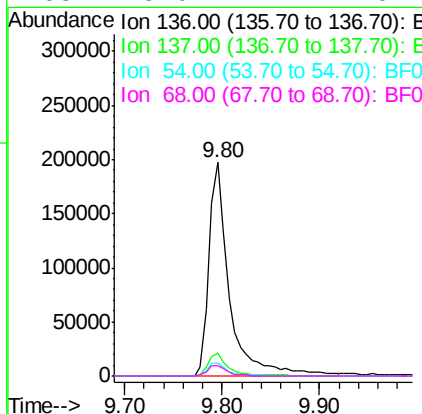


#21

Naphthalene-d8

Concen: 20.00 ng
 RT: 9.80 min Scan# 1336
 Delta R.T. 0.04 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Tgt Ion:	136	Resp:	289608
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	6.1	4.9	7.3
68	5.0	4.1	6.1





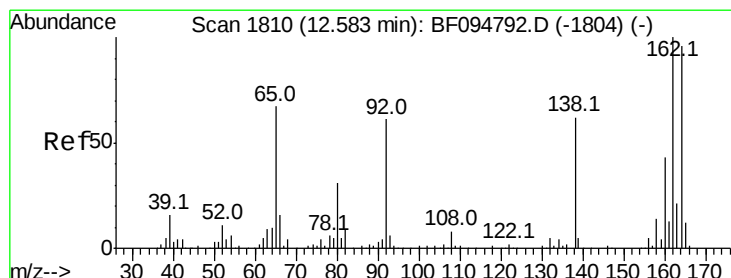
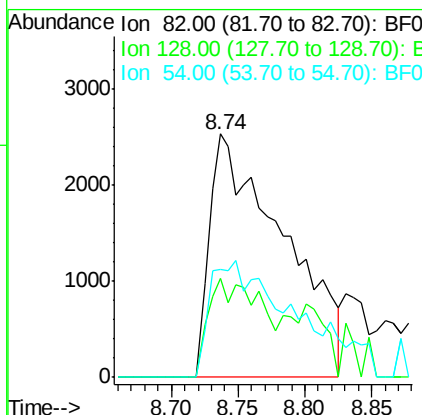
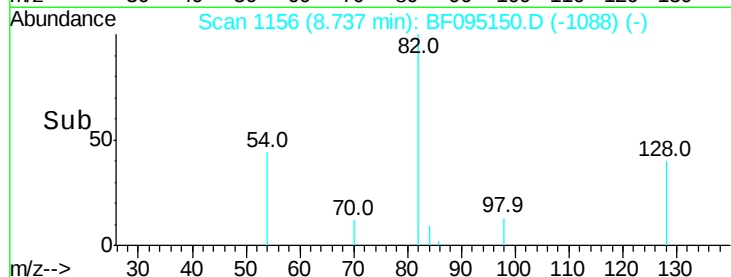
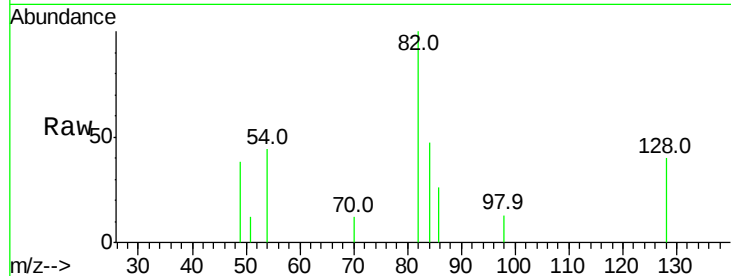
#23
 Nitrobenzene-d5
 Concen: 2.14 ng
 RT: 8.74 min Scan# 1156
 Delta R.T. 0.10 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Instrument :
 BNA_F
 ClientSampleId :
 TP-17-7

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.4	34.0	51.0
54	44.3	42.2	63.2

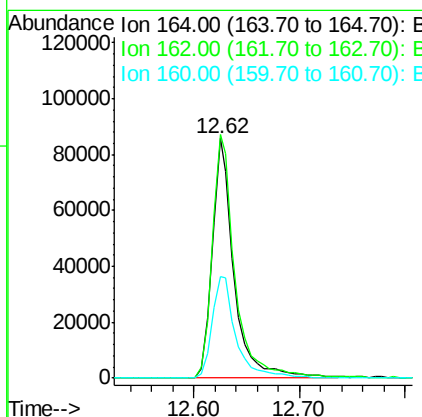
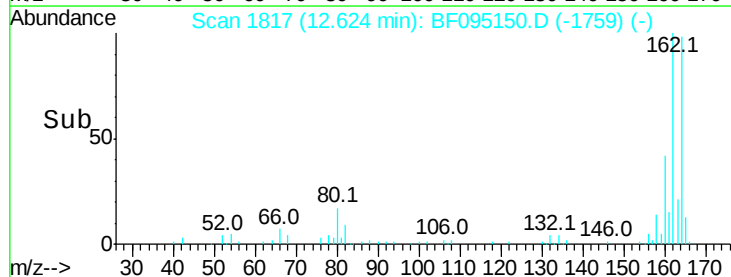
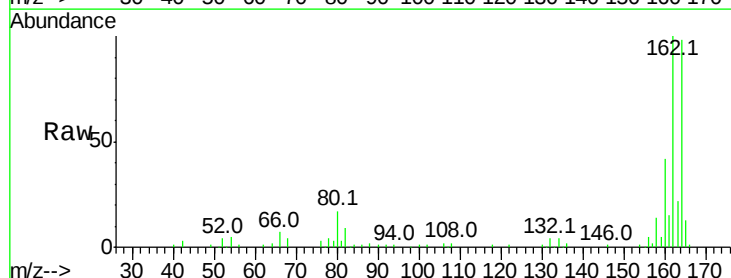
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.04 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.6	123.8
160	42.4	36.2	54.2





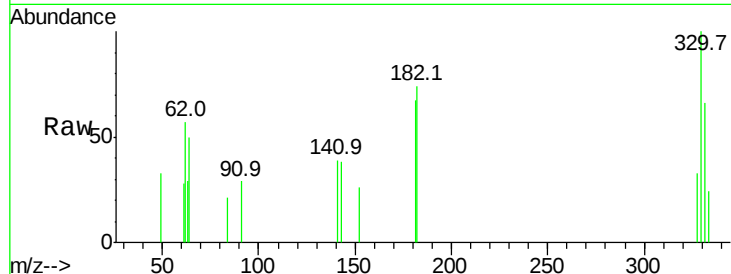
#41
 2,4,6-Tribromophenol
 Concen: 3.04 ng
 RT: 13.95 min Scan# 2043
 Delta R.T. 0.07 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Instrument :
 BNA_F
 ClientSampled :
 TP-17-7

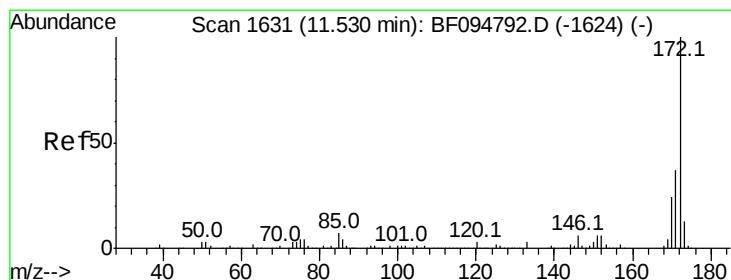
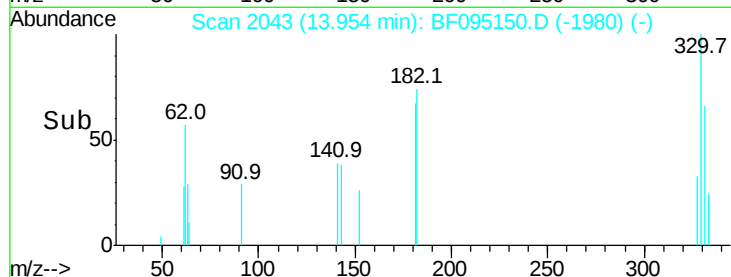
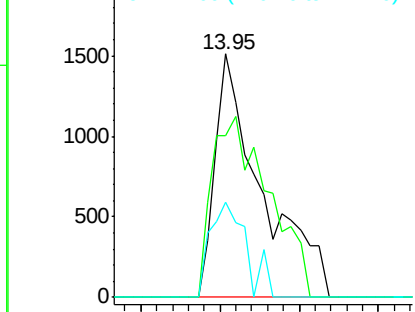
Tot Ion	Ratio	Lower	Upper
330	100		
332	90.7	76.6	115.0
141	30.4	31.4	47.2#

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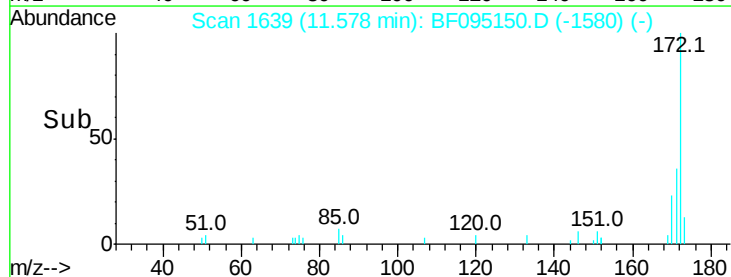
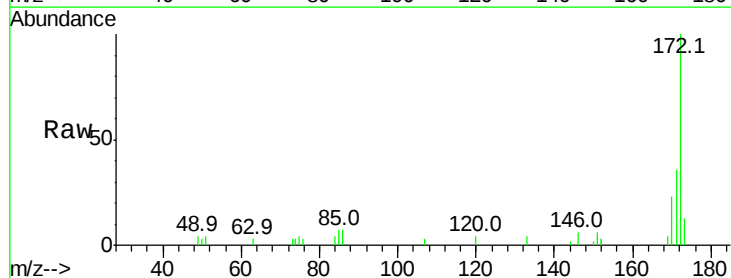
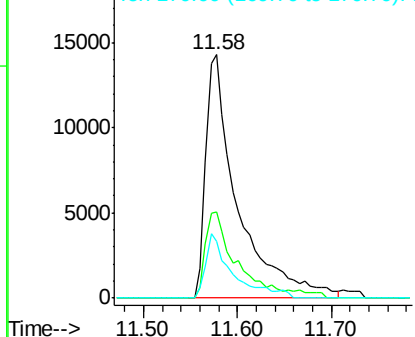
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 3.93 ng
 RT: 11.58 min Scan# 1639
 Delta R.T. 0.05 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.1	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





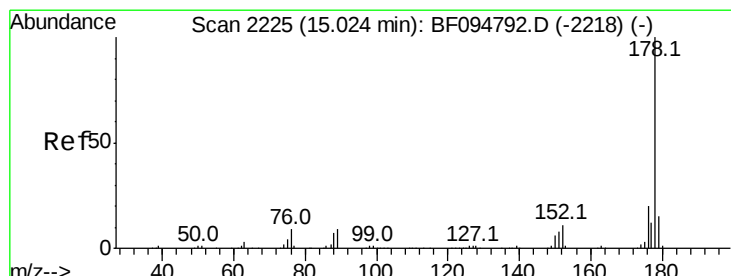
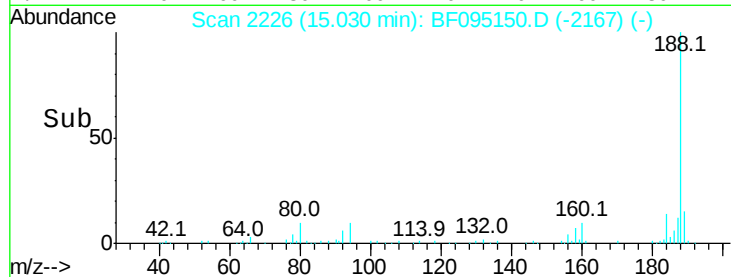
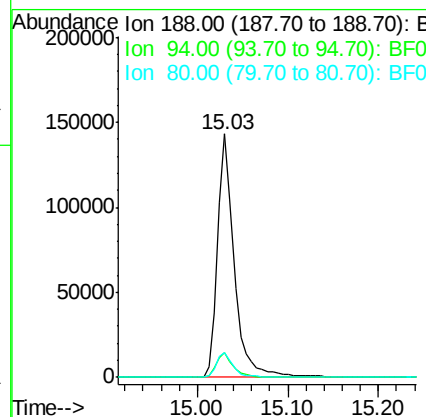
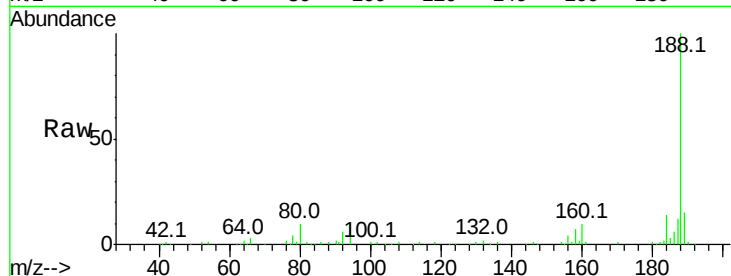
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. 0.05 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion:	188	Resp:	185147
Ion Ratio	Lower	Upper	
188	100		
94	10.1	9.4	14.2
80	10.2	10.2	15.2

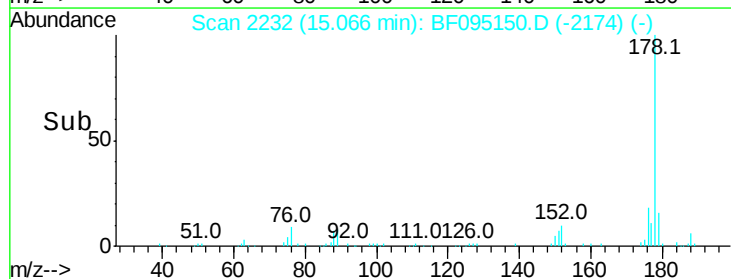
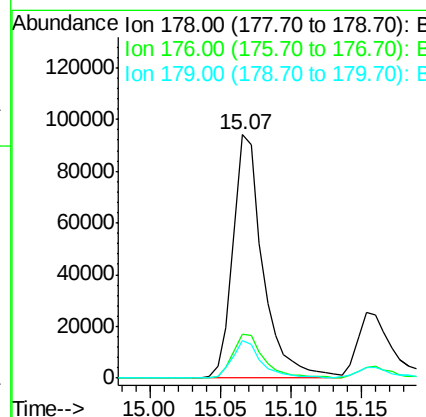
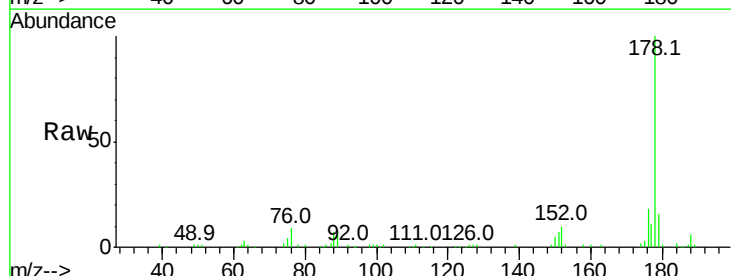
Manual Integrations
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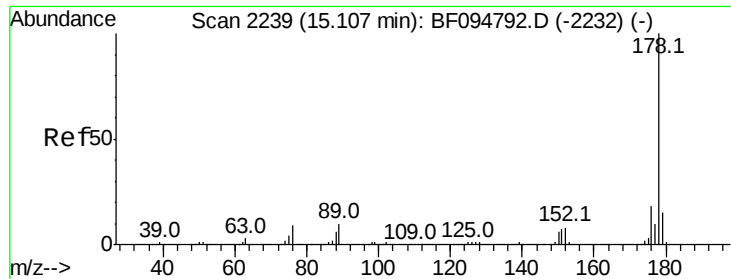
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#70
 Phenanthrene
 Concen: 13.18 ng
 RT: 15.07 min Scan# 2232
 Delta R.T. 0.04 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Tgt Ion:	178	Resp:	140222
Ion Ratio	Lower	Upper	
178	100		
176	17.8	16.2	24.4
179	15.6	12.6	19.0





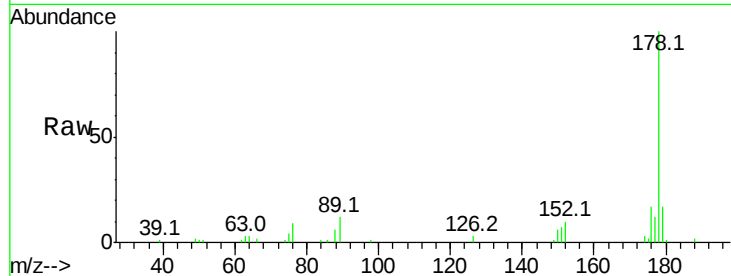
#71
 Anthracene
 Concen: 3.79 ng
 RT: 15.15 min Scan# 2247
 Delta R.T. 0.05 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Instrument :
 BNA_F
 ClientSampleId :
 TP-17-7

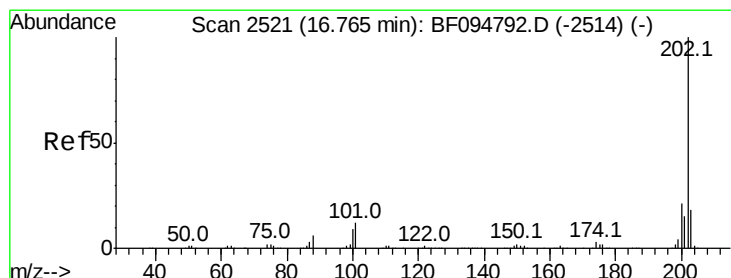
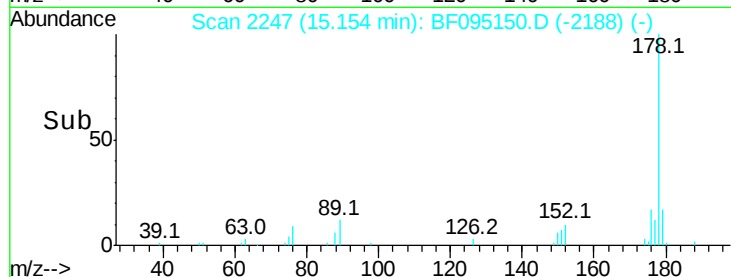
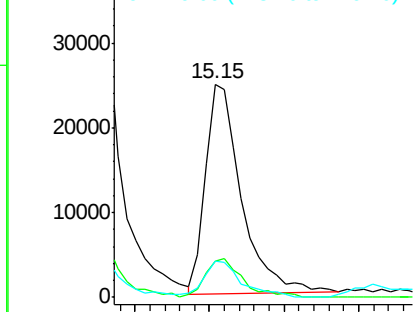
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.8	23.8
179	17.2	12.7	19.1

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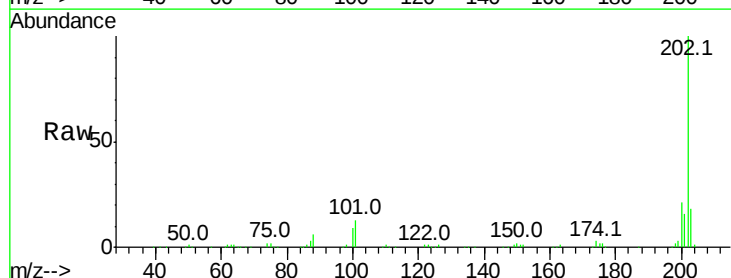


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

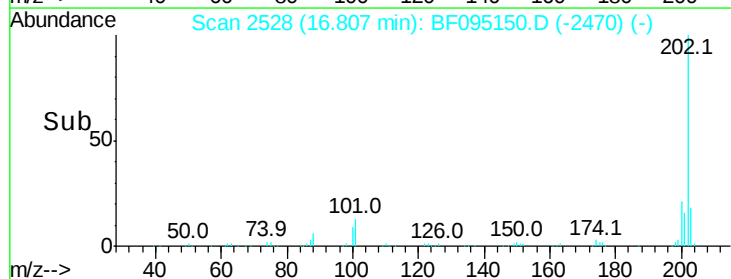
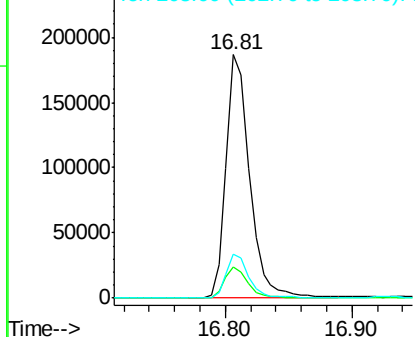


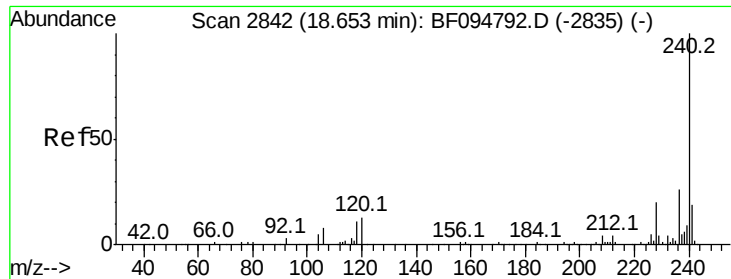
#74
 Fluoranthene
 Concen: 22.17 ng
 RT: 16.81 min Scan# 2528
 Delta R.T. 0.04 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	18.2	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





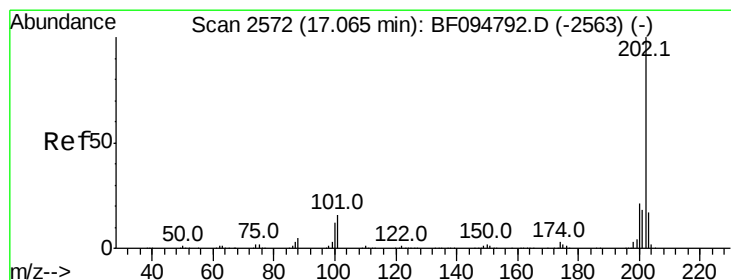
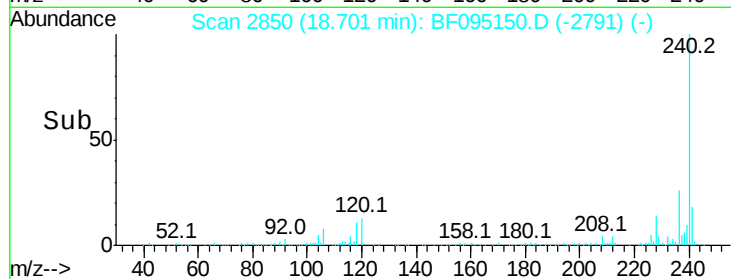
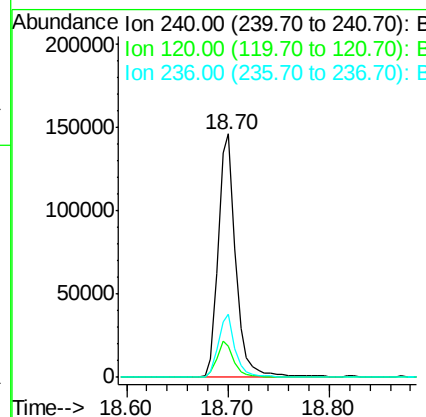
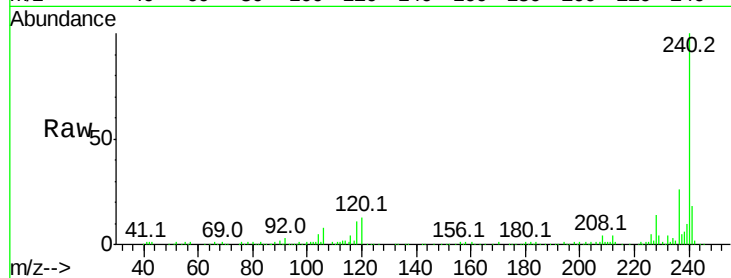
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 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.70 min Scan# 2850
 Delta R.T. 0.05 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Instrument :
 BNA_F
 ClientSampleId :
 TP-17-7

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.8	5.8	8.8#
236	25.9	20.5	30.7

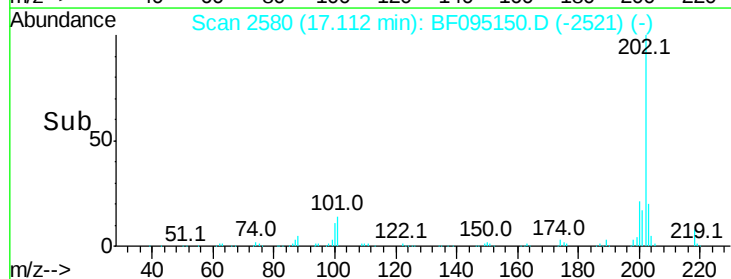
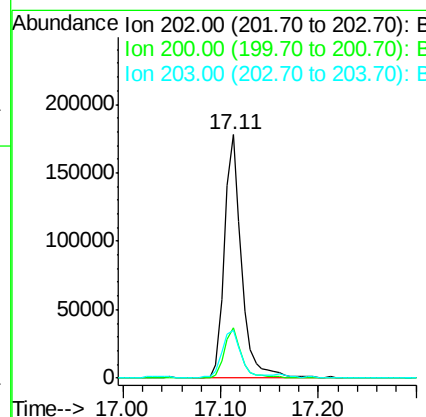
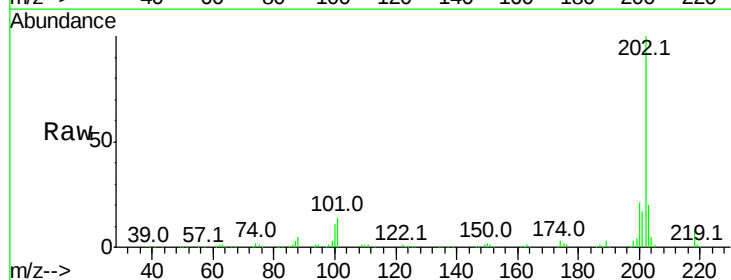
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#77
 Pyrene
 Concen: 16.26 ng
 RT: 17.11 min Scan# 2580
 Delta R.T. 0.05 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	19.7	14.4	21.6





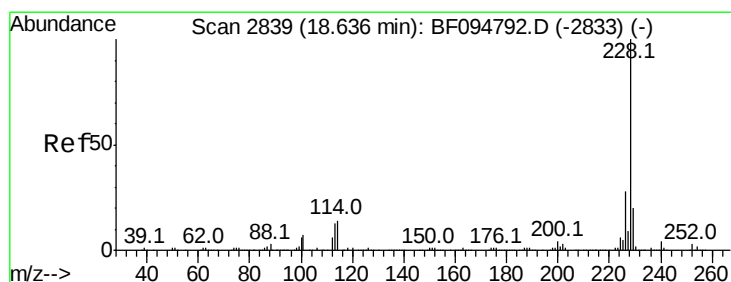
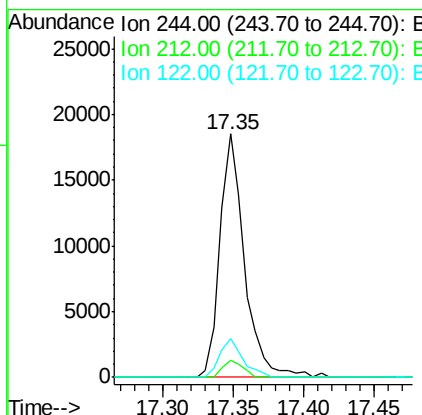
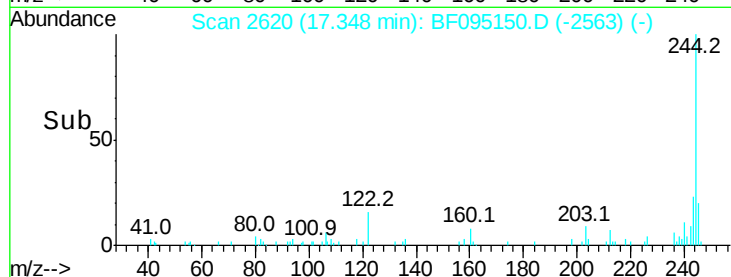
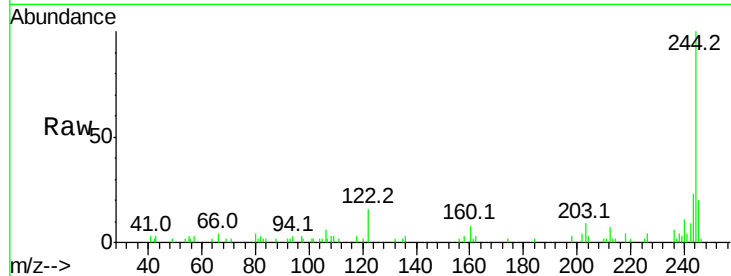
#78
 Terphenyl-d14
 Concen: 2.80 ng
 RT: 17.35 min Scan# 2620
 Delta R.T. 0.04 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Instrument :
 BNA_F
 ClientSampleId :
 TP-17-7

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	16.2	10.3	15.5

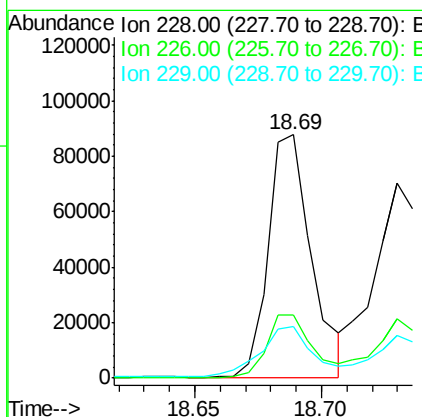
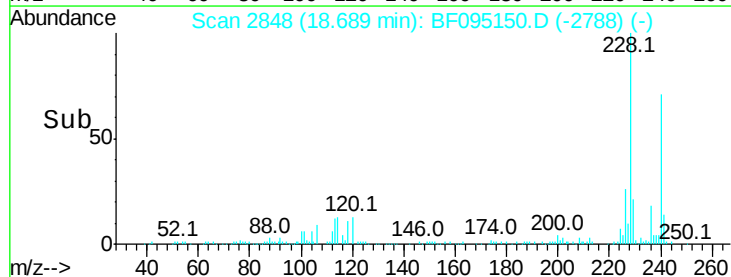
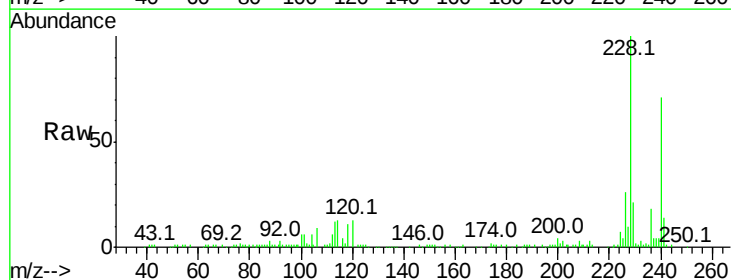
Manual Integrations
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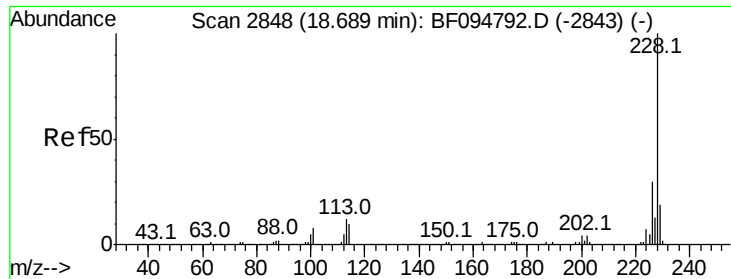
mohammad
 5/17/2017 2:20:55 PM



#80
 Benzo(a)anthracene
 Concen: 10.23 ng
 RT: 18.69 min Scan# 2848
 Delta R.T. 0.05 min
 Lab File: BF095150.D
 Acq: 16 May 2017 5:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.0	22.6	33.8
229	21.2	16.3	24.5





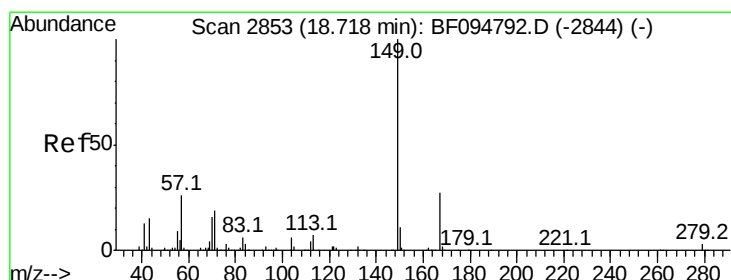
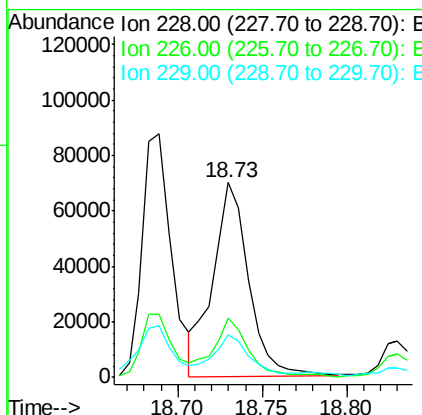
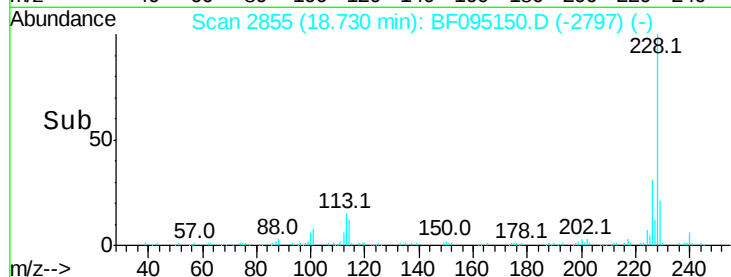
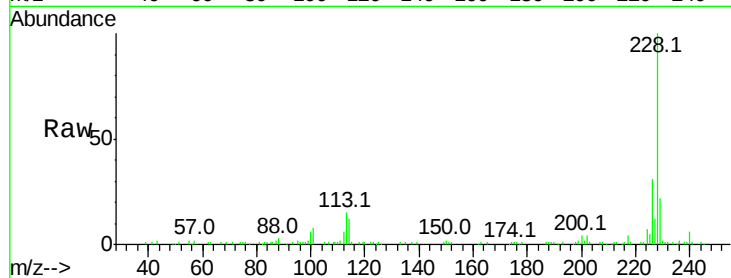
#82
Chrysene
Concen: 10.35 ng
RT: 18.73 min Scan# 2855
Delta R.T. 0.04 min
Lab File: BF095150.D
Acq: 16 May 2017 5:24

Instrument :
BNA_F
ClientSampled :
TP-17-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	21.7	15.8	23.6

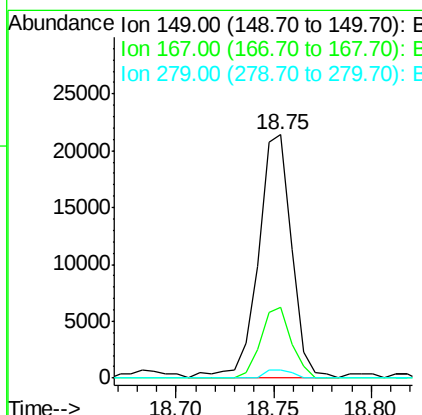
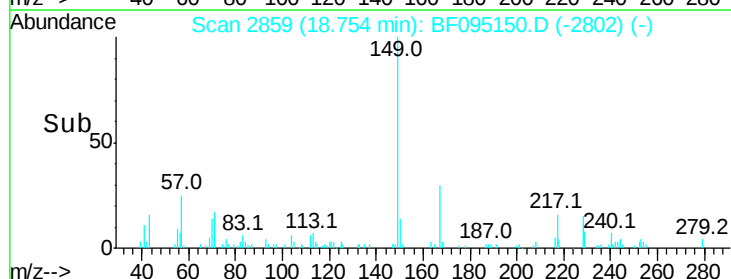
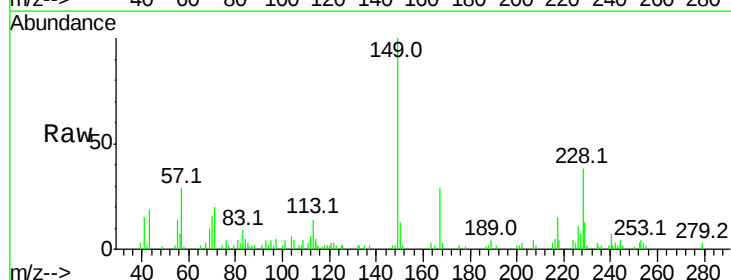
Manual Integrations
APPROVED

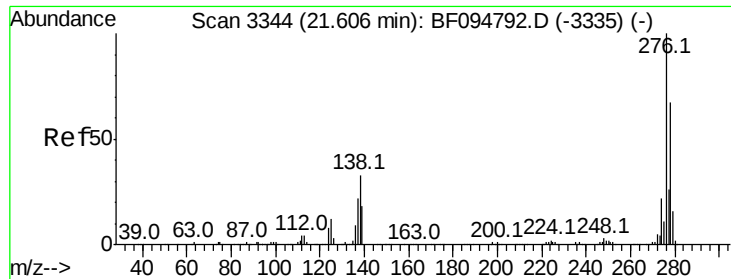
mohammad
5/17/2017 2:20:55 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 2.88 ng
RT: 18.75 min Scan# 2859
Delta R.T. 0.04 min
Lab File: BF095150.D
Acq: 16 May 2017 5:24

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.3	21.0	31.4
279	3.5	1.9	2.9#





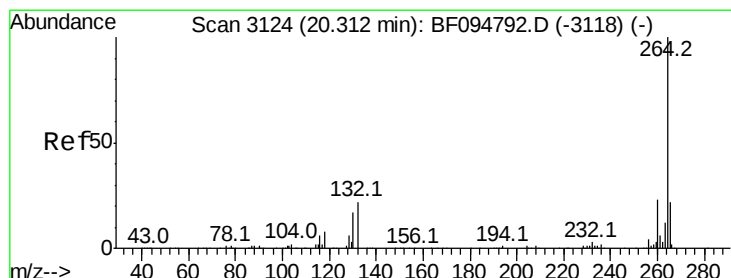
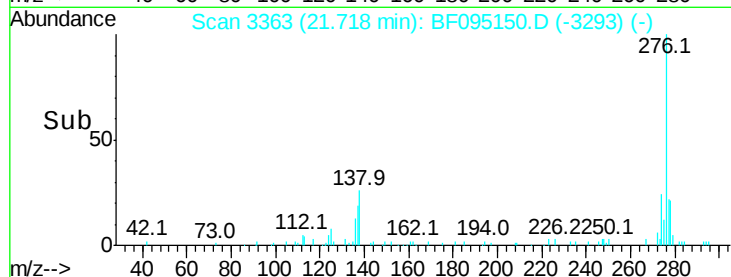
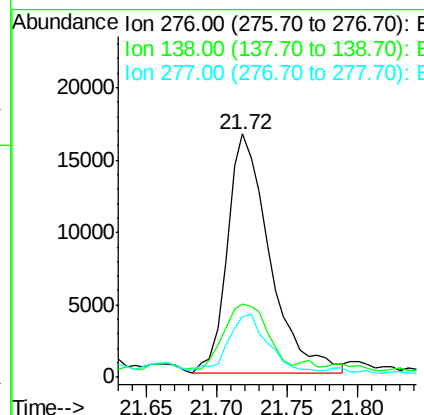
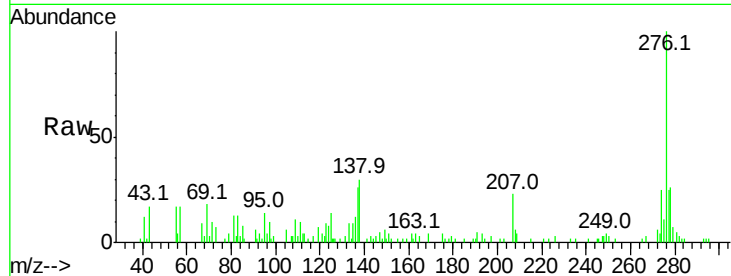
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.24 ng
RT: 21.72 min Scan# 3363
Delta R.T. 0.11 min
Lab File: BF095150.D
Acq: 16 May 2017 5:24

Instrument :
BNA_F
ClientSampleId :
TP-17-7

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.2	27.8	41.6
277	21.7	20.2	30.4

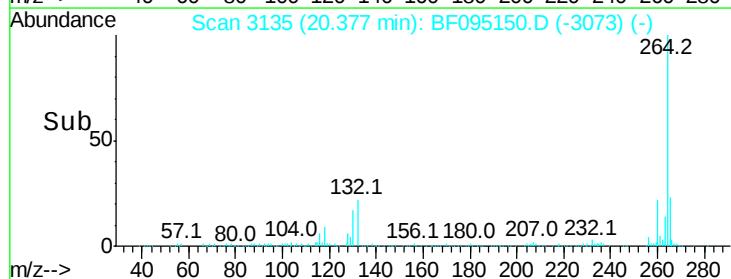
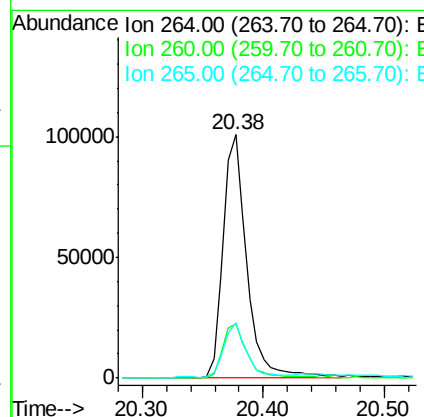
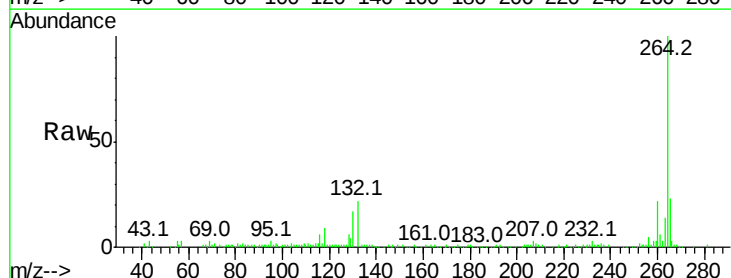
Manual Integrations
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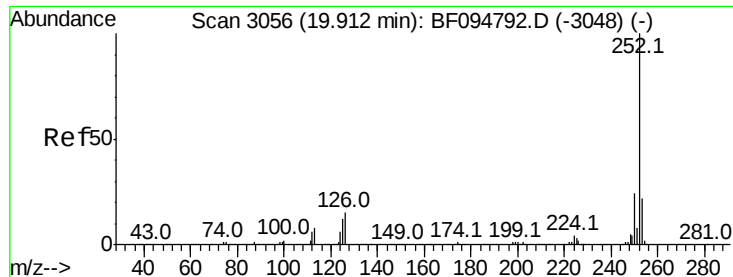
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.38 min Scan# 3135
Delta R.T. 0.06 min
Lab File: BF095150.D
Acq: 16 May 2017 5:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.5	29.3
265	22.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 12.00 ng m

RT: 19.97 min Scan# 3066

Delta R.T. 0.06 min

Lab File: BF095150.D

Acq: 16 May 2017 5:24

Instrument :

BNA_F

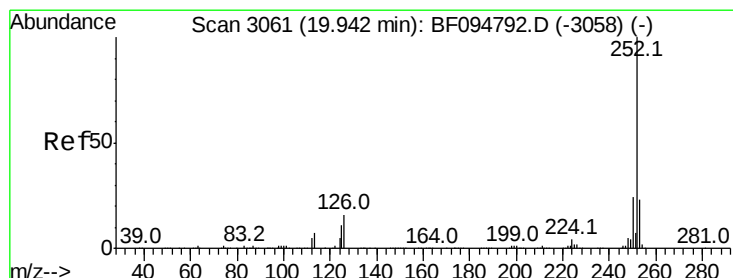
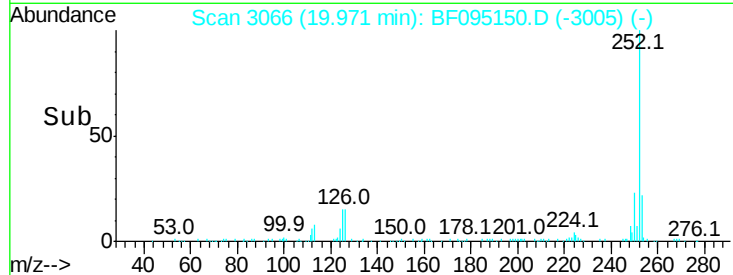
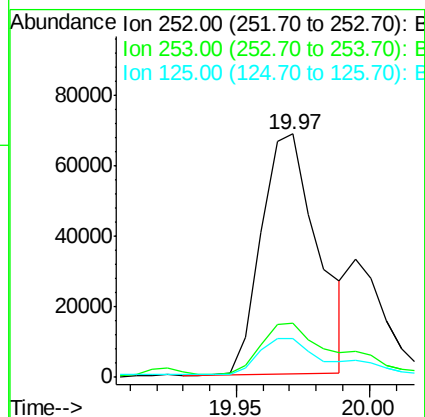
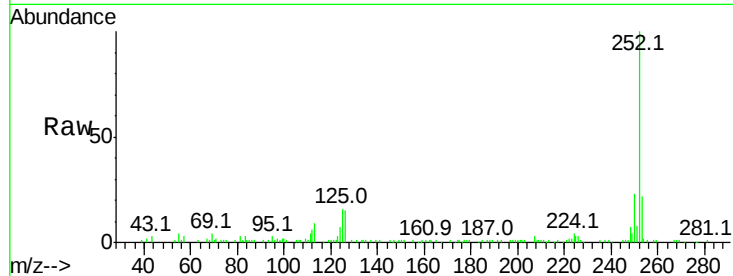
ClientSampleId :

TP-17-7

Tot Ion:	252	Resp:	101360
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.1	27.1
125	15.8	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.02 ng m

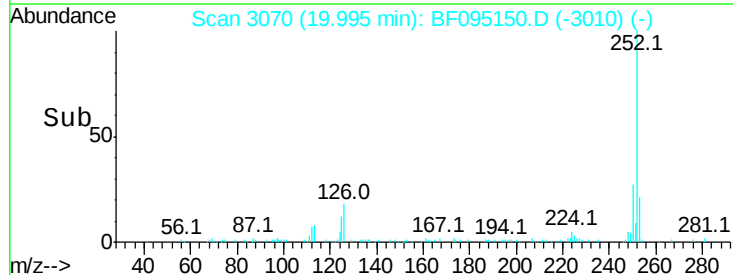
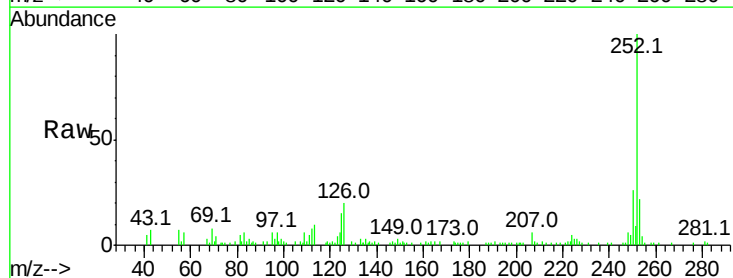
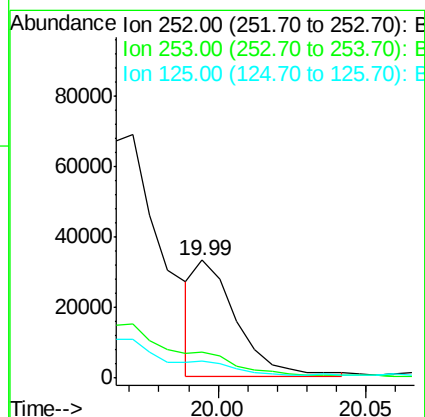
RT: 19.99 min Scan# 3070

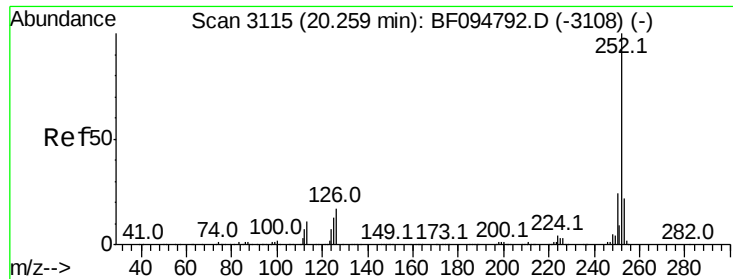
Delta R.T. 0.05 min

Lab File: BF095150.D

Acq: 16 May 2017 5:24

Tgt Ion:	252	Resp:	32756
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.4	27.6
125	14.8	13.1	19.7





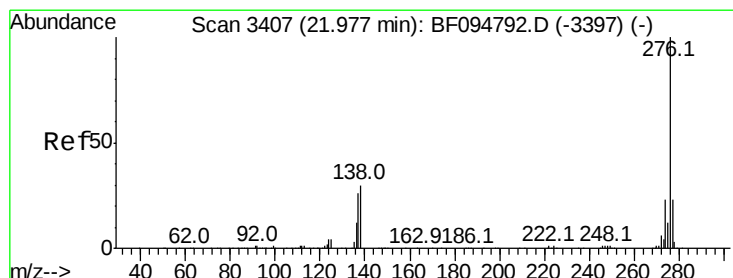
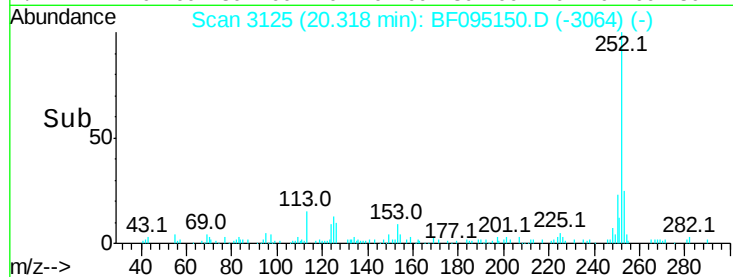
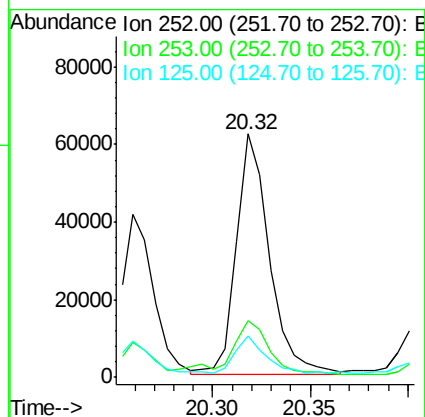
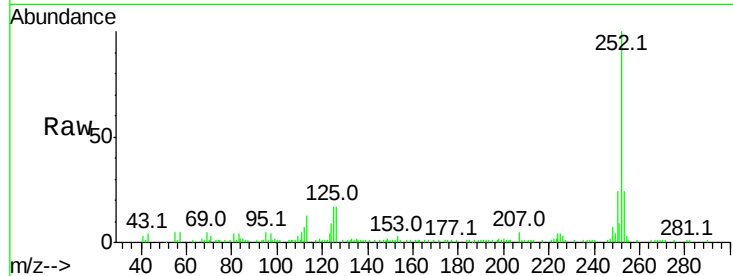
#89
Benzo(a)pyrene
Concen: 9.45 ng
RT: 20.32 min Scan# 3125
Delta R.T. 0.06 min
Lab File: BF095150.D
Acq: 16 May 2017 5:24

Instrument :
BNA_F
ClientSampleId :
TP-17-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	16.9	11.0	16.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.68 ng
RT: 22.11 min Scan# 3429
Delta R.T. 0.13 min
Lab File: BF095150.D
Acq: 16 May 2017 5:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.6	28.0
138	30.5	25.4	38.0

