

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
 Data File : BF095303.D
 Acq On : 20 May 2017 14:10
 Operator : SJ/MA
 Sample : I3186-04 10X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-R3-SSW

Manual Integrations
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mohammad
 5/22/2017 1:30:38 PM

Quant Time: May 22 04:35:14 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	81829	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	339117	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	144969	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	204056	20.00	ng	0.00
75) Chrysene-d12	18.69	240	191625	20.00	ng	0.00
86) Perylene-d12	20.37	264	150498	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.81	112	33225	6.77	ng	0.07
7) Phenol-d6	7.37	99	54177	9.20	ng	0.06
23) Nitrobenzene-d5	8.70	82	35350	6.57	ng	0.03
41) 2,4,6-Tribromophenol	13.94	330	9883	8.32	ng	0.02
44) 2-Fluorobiphenyl	11.56	172	94555	9.39	ng	0.00
78) Terphenyl-d14	17.34	244	49635	5.71	ng	-0.01
Target Compounds						
70) Phenanthrene	15.05	178	123704	10.55	ng	Qvalue 99
71) Anthracene	15.15	178	26053m	2.18	ng	
74) Fluoranthene	16.80	202	164809	13.70	ng	96
77) Pyrene	17.10	202	158802	11.08	ng	94
80) Benzo(a)anthracene	18.68	228	61764m	5.54	ng	
82) Chrysene	18.72	228	69412	6.44	ng	98
85) Indeno(1,2,3-cd)pyrene	21.72	276	25943	2.96	ng	94
87) Benzo(b)fluoranthene	19.96	252	67723m	7.28	ng	
88) Benzo(k)fluoranthene	19.98	252	27457m	3.06	ng	
89) Benzo(a)pyrene	20.31	252	51864	6.04	ng	96
91) Benzo(g,h,i)perylene	22.11	276	25182	3.62	ng	# 83

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

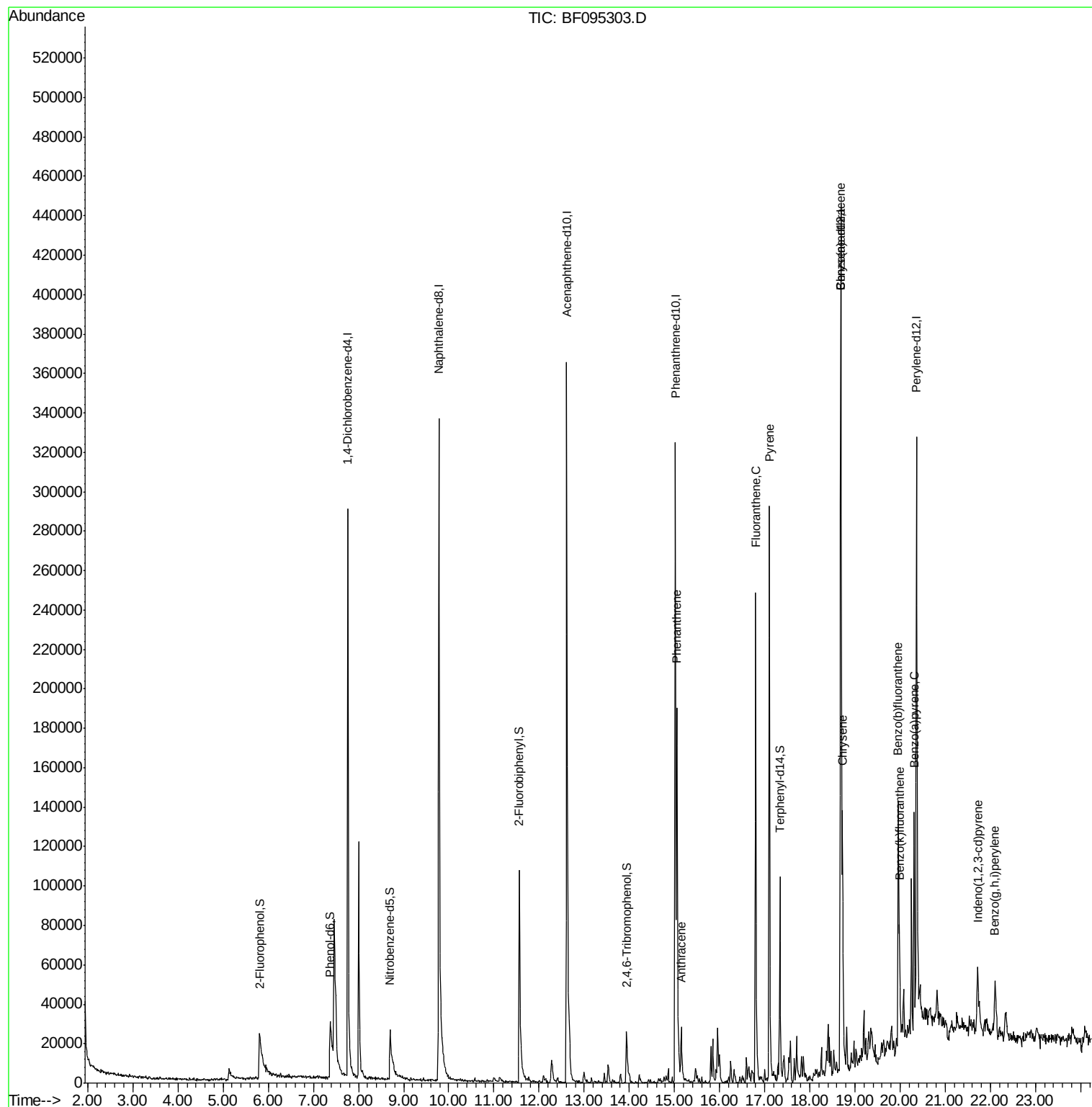
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
Data File : BF095303.D
Acq On : 20 May 2017 14:10
Operator : SJ/MA
Sample : I3186-04 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

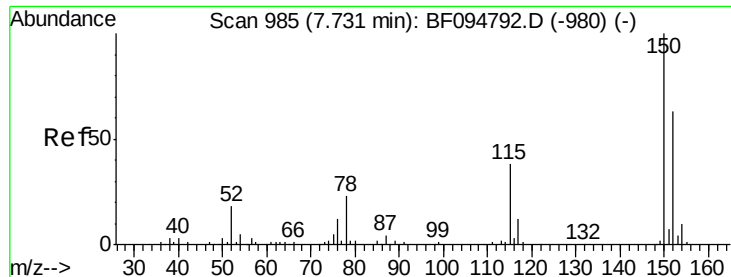
Instrument :
BNA_F
ClientSampleId :
E2-R3-SSW

Manual Integrations
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#1

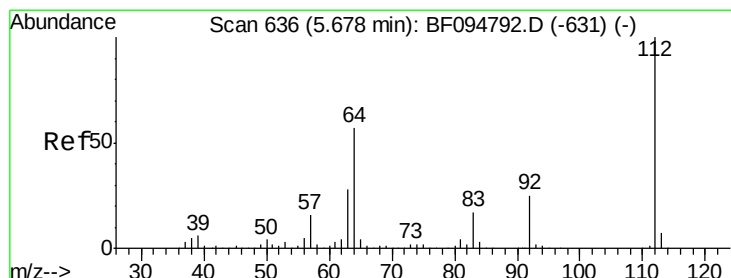
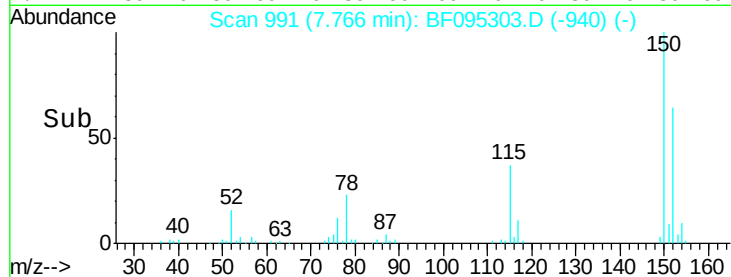
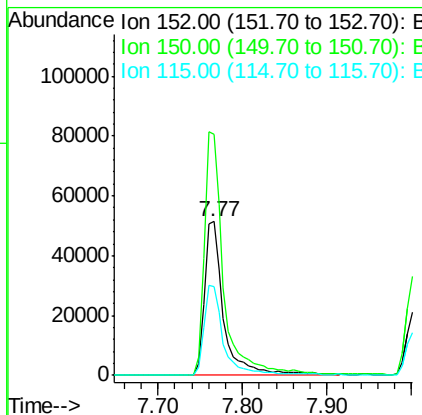
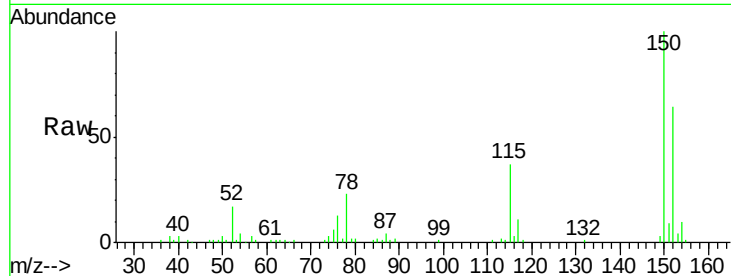
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 991
Delta R.T. 0.00 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

Instrument :
BNA_F
ClientSampleId :
E2-R3-SSW

Tgt Ion:152 Resp: 81829
Ion Ratio Lower Upper
152 100
150 156.6 126.2 189.2
115 58.1 52.2 78.2

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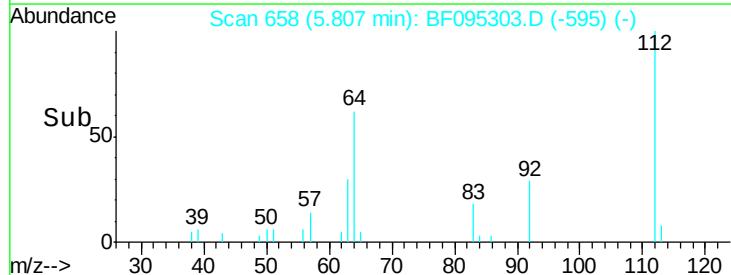
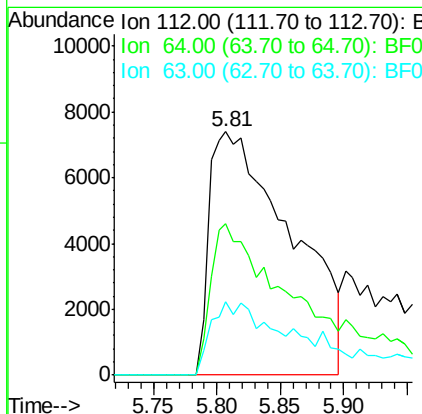
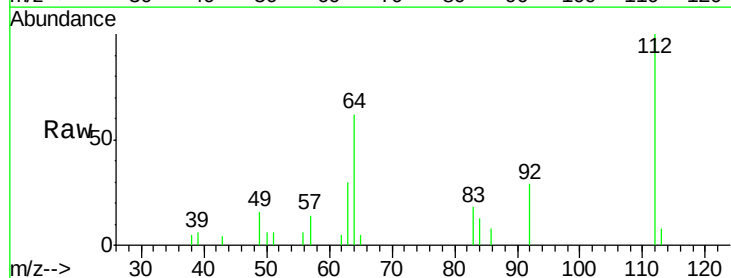
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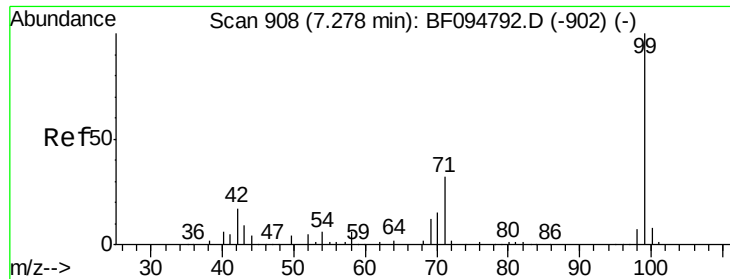


#5

2-Fluorophenol
Concen: 6.77 ng
RT: 5.81 min Scan# 658
Delta R.T. 0.07 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

Tgt Ion:112 Resp: 33225
Ion Ratio Lower Upper
112 100
64 61.9 46.0 69.0
63 30.1 23.4 35.0





#7

Phenol-d6

Concen: 9.20 ng

RT: 7.37 min Scan# 924

Delta R.T. 0.06 min

Lab File: BF095303.D

Acq: 20 May 2017 14:10

Instrument :

BNA_F

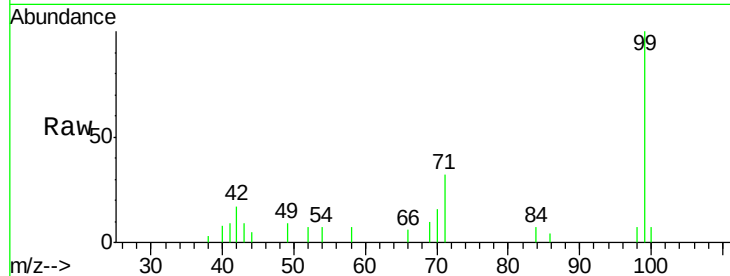
ClientSampleId :

E2-R3-SSW

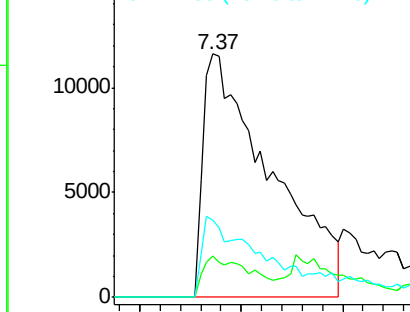
Tgt Ion:	99	Resp:	54177
Ion Ratio	Lower	Upper	
99	100		
42	16.8	13.5	20.3
71	31.5	24.5	36.7

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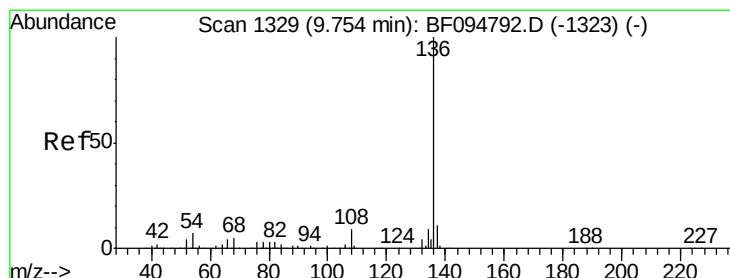
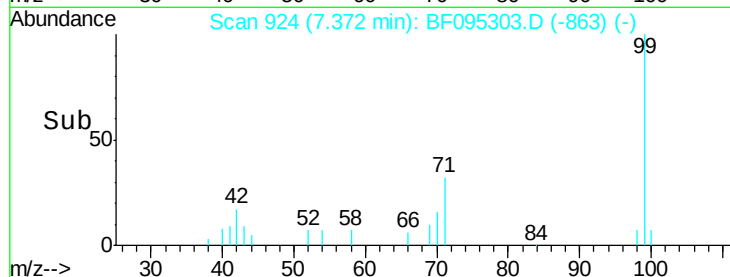
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1334

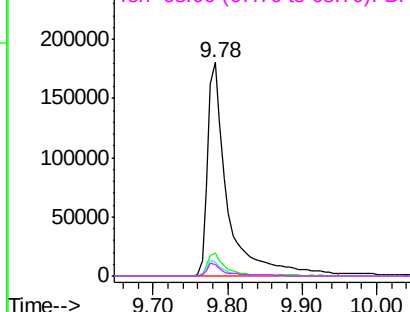
Delta R.T. 0.00 min

Lab File: BF095303.D

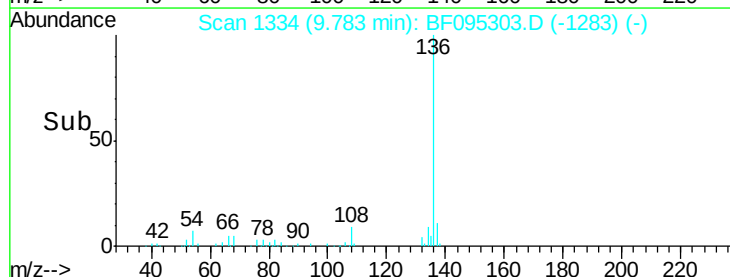
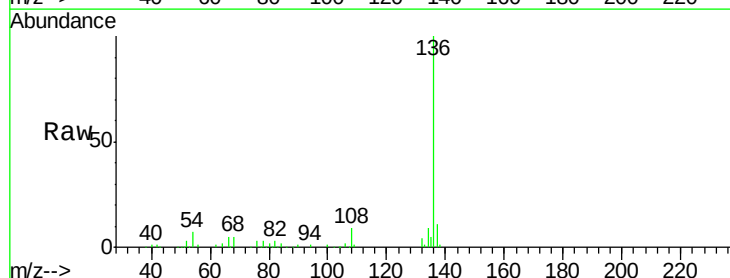
Acq: 20 May 2017 14:10

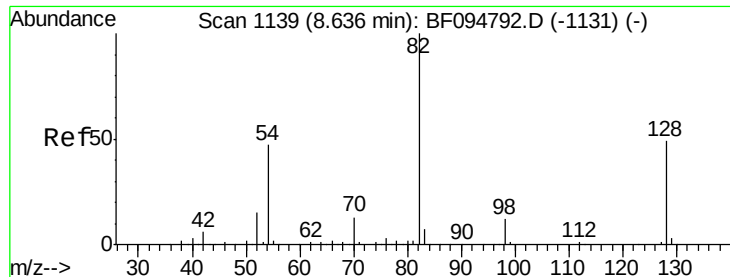
Tgt Ion:	136	Resp:	339117
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	6.6	4.9	7.3
68	5.4	4.1	6.1

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



Time-->





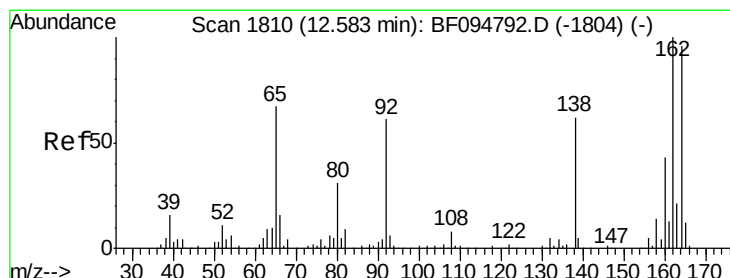
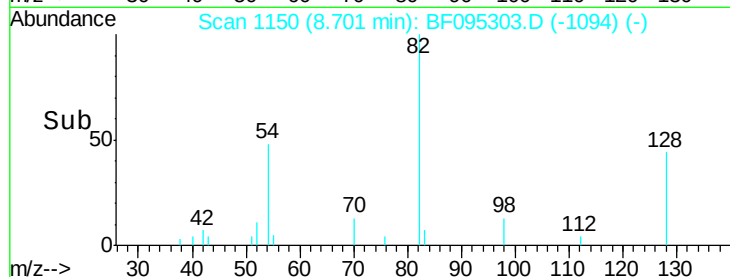
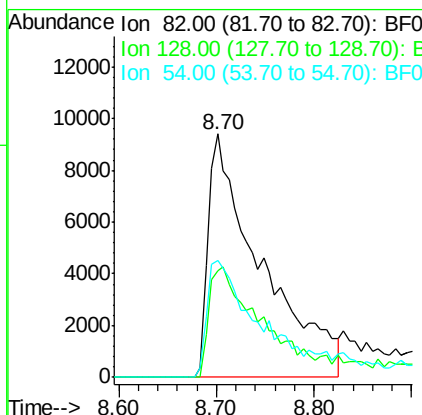
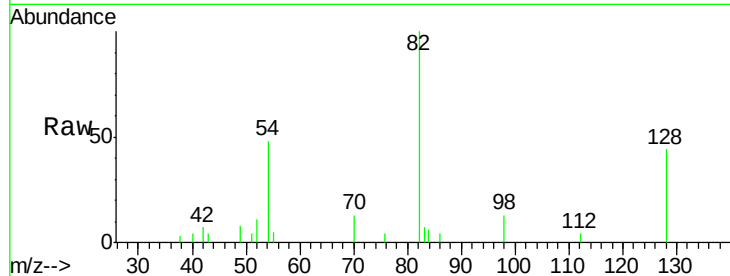
#23
 Nitrobenzene-d5
 Concen: 6.57 ng
 RT: 8.70 min Scan# 1150
 Delta R.T. 0.03 min
 Lab File: BF095303.D
 Acq: 20 May 2017 14:10

Instrument :
 BNA_F
 ClientSampleId :
 E2-R3-SSW

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.0	51.0
54	47.9	42.2	63.2

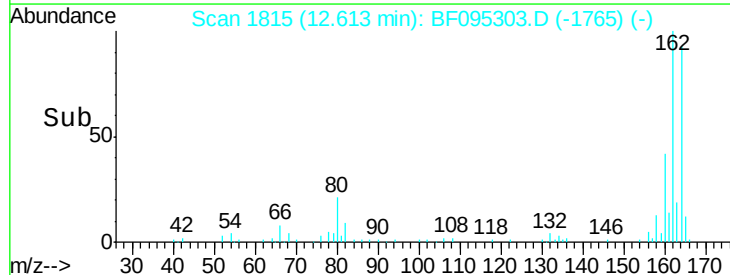
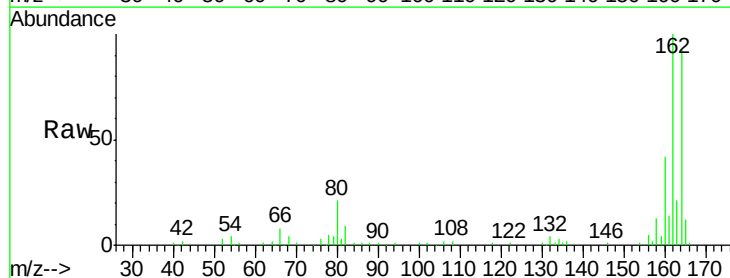
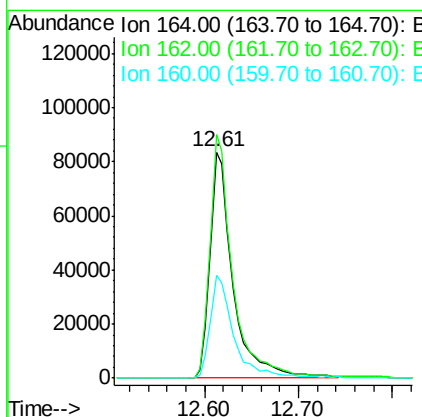
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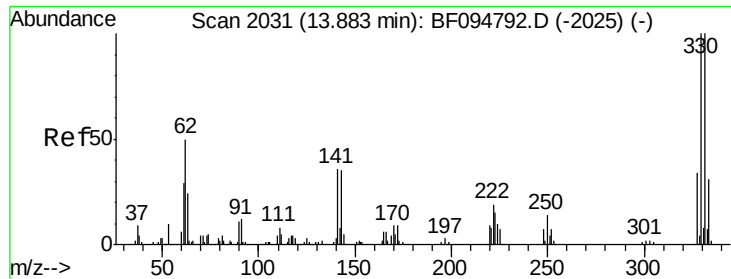
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF095303.D
 Acq: 20 May 2017 14:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.7	82.6	123.8
160	45.6	36.2	54.2





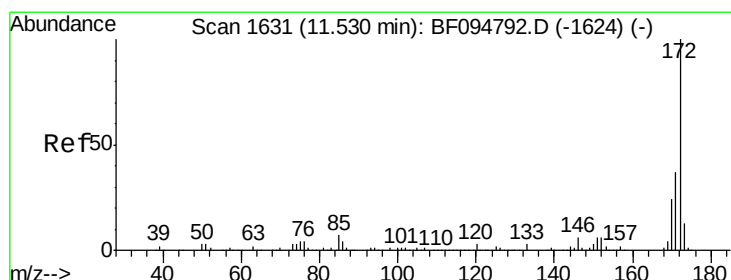
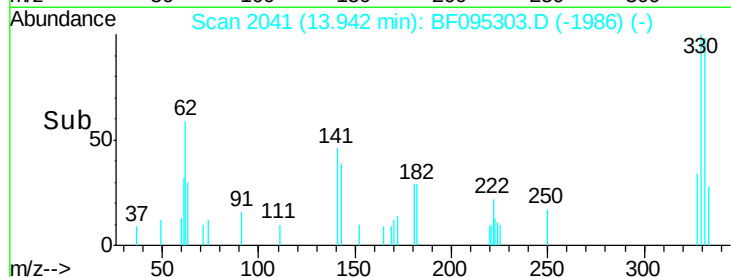
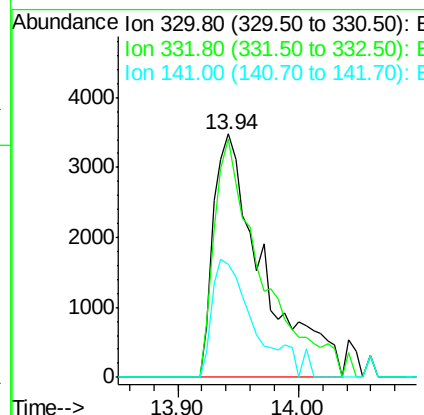
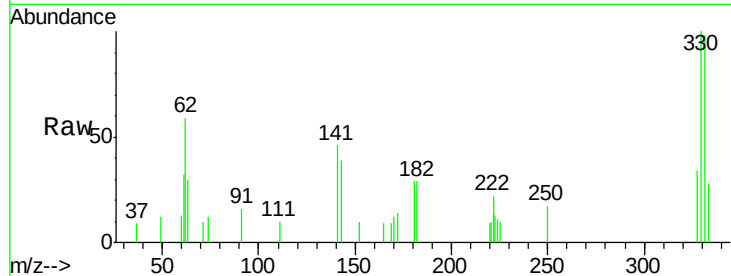
#41
 2,4,6-Tribromophenol
 Concen: 8.32 ng
 RT: 13.94 min Scan# 2041
 Delta R.T. 0.02 min
 Lab File: BF095303.D
 Acq: 20 May 2017 14:10

Instrument :
 BNA_F
 ClientSampled :
 E2-R3-SSW

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.6	115.0
141	41.5	31.4	47.2

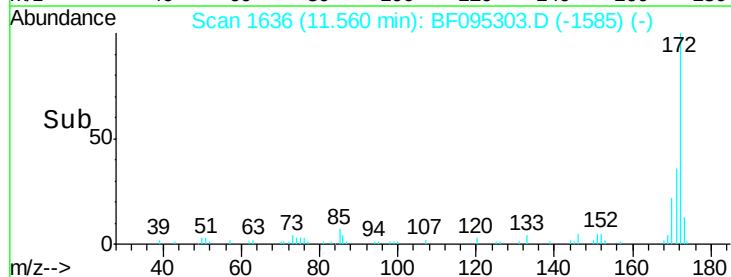
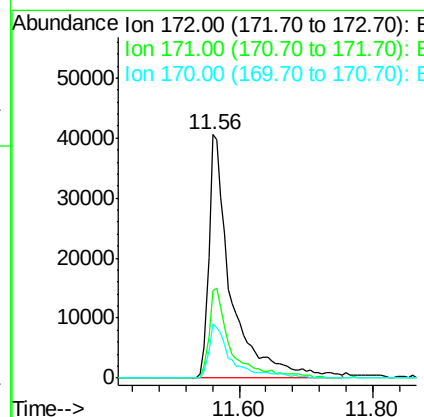
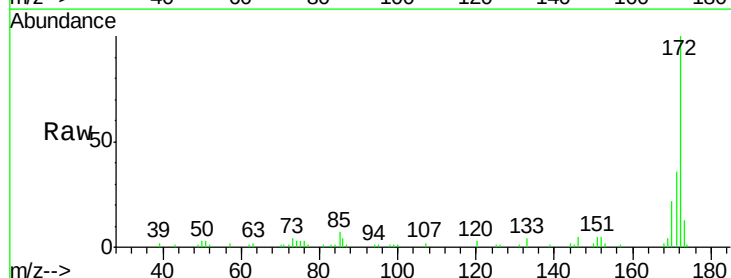
Manual Integrations
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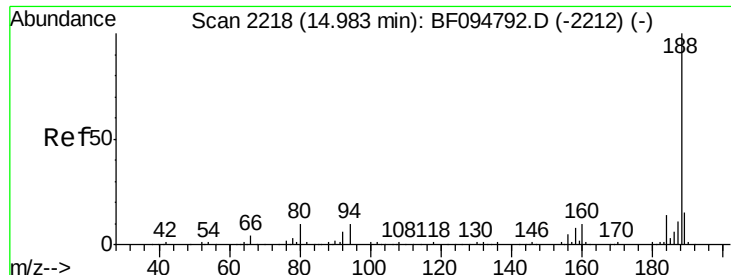
mohammad
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#44
 2-Fluorobiphenyl
 Concen: 9.39 ng
 RT: 11.56 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: BF095303.D
 Acq: 20 May 2017 14:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	22.4	19.8	29.8





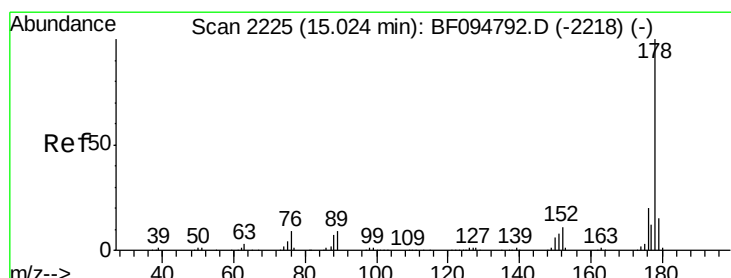
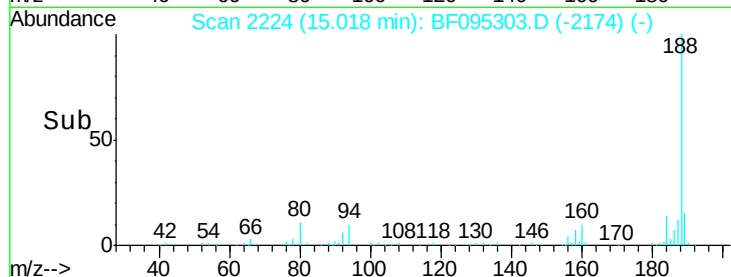
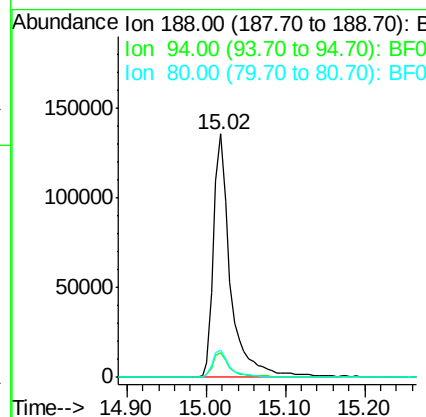
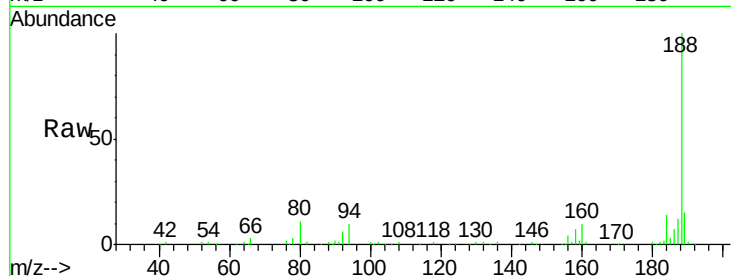
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.02 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

Instrument :
BNA_F
ClientSampleId :
E2-R3-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	204056		
94	10.3		9.4	14.2
80	11.2		10.2	15.2

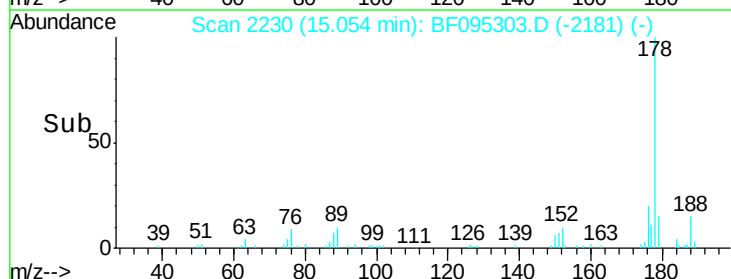
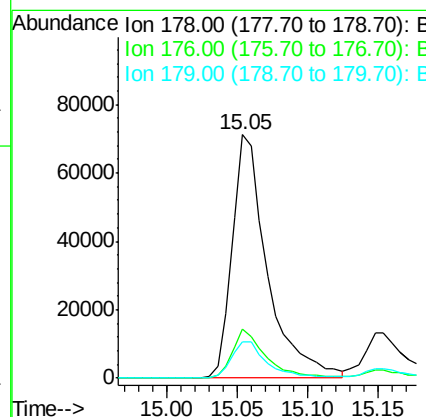
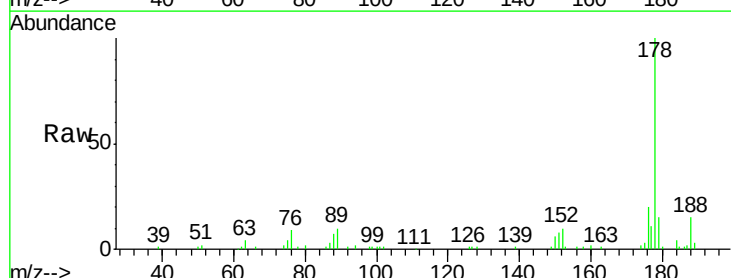
Manual Integrations
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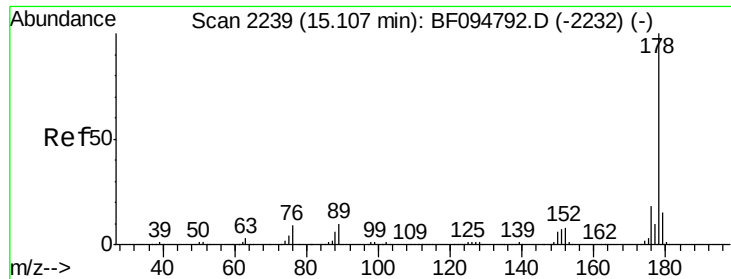
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#70
Phenanthrene
Concen: 10.55 ng
RT: 15.05 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	123704		
176	20.0		16.2	24.4
179	15.0		12.6	19.0





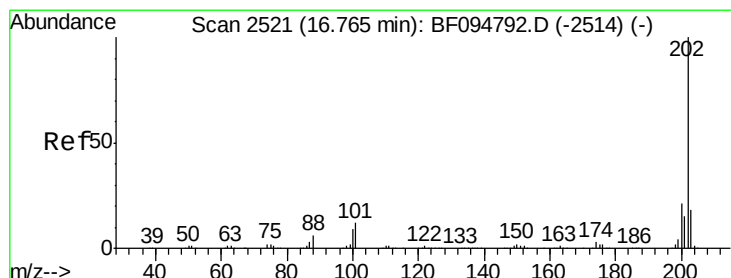
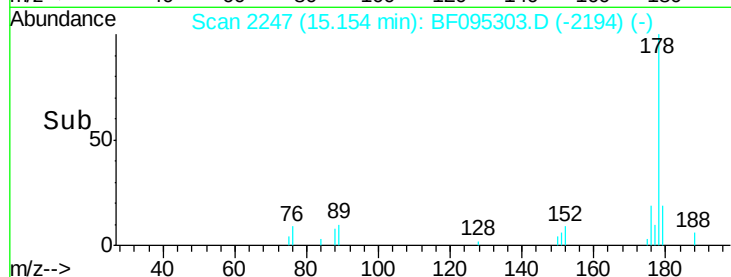
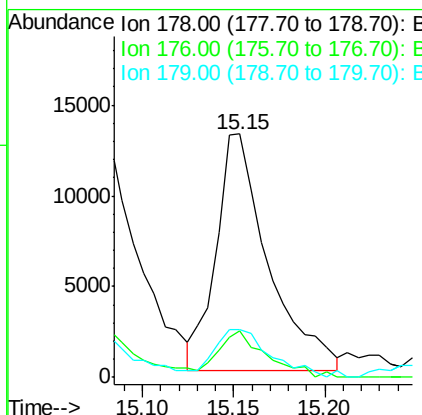
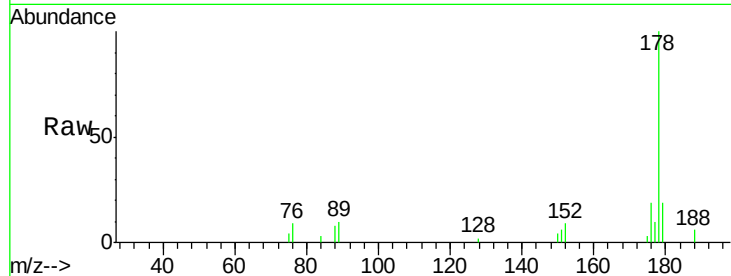
#71
 Anthracene
 Concen: 2.18 ng m
 RT: 15.15 min Scan# 2247
 Delta R.T. 0.01 min
 Lab File: BF095303.D
 Acq: 20 May 2017 14:10

Instrument :
 BNA_F
 ClientSampleId :
 E2-R3-SSW

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	19.5	12.7	19.1

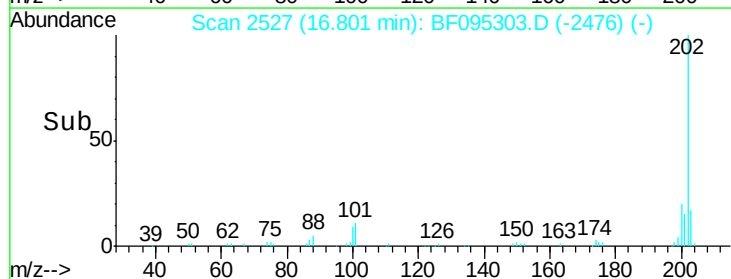
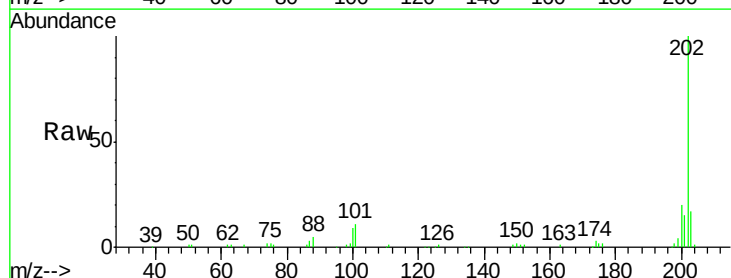
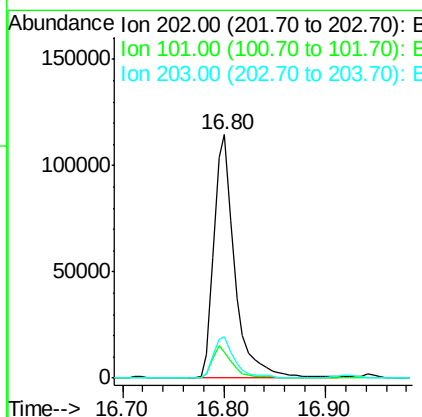
Manual Integrations
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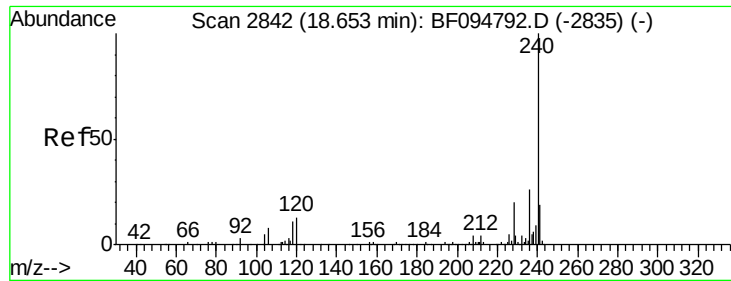
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#74
 Fluoranthene
 Concen: 13.70 ng
 RT: 16.80 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: BF095303.D
 Acq: 20 May 2017 14:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	33.2
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.69 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BF095303.D

Acq: 20 May 2017 14:10

Instrument :

BNA_F

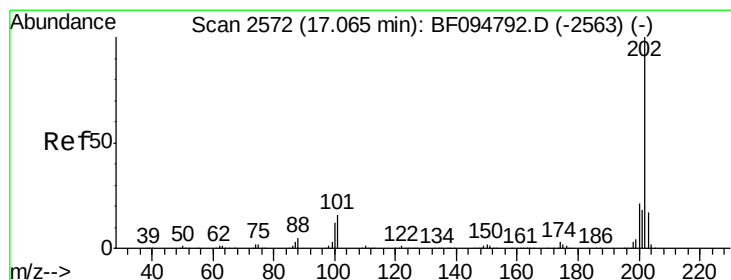
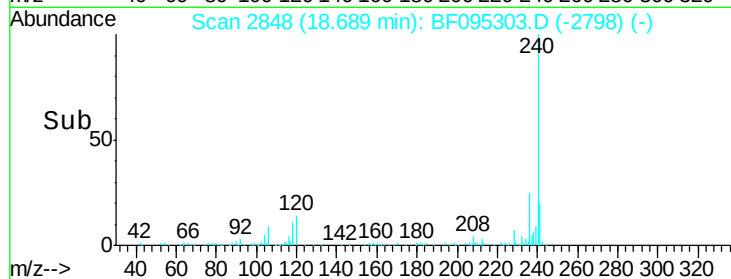
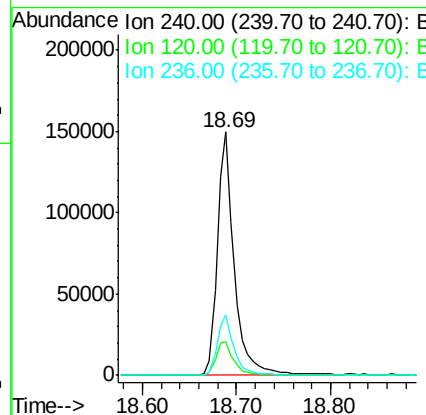
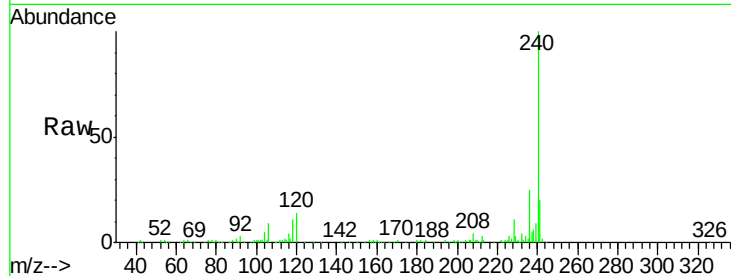
ClientSampleId :

E2-R3-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	191625		
120	13.8	5.8	8.8#	
236	24.6	20.5	30.7	

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#77

Pyrene

Concen: 11.08 ng

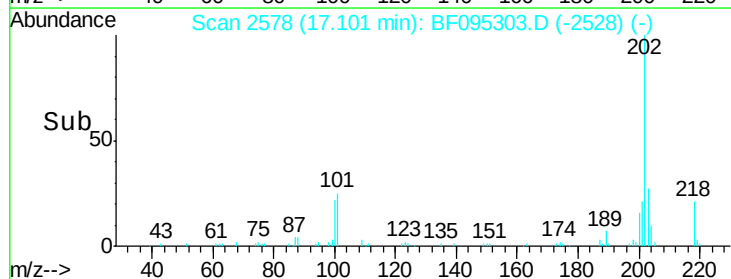
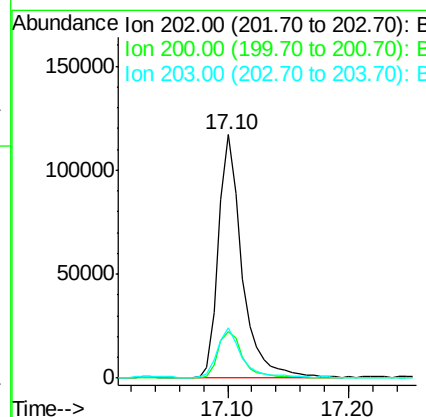
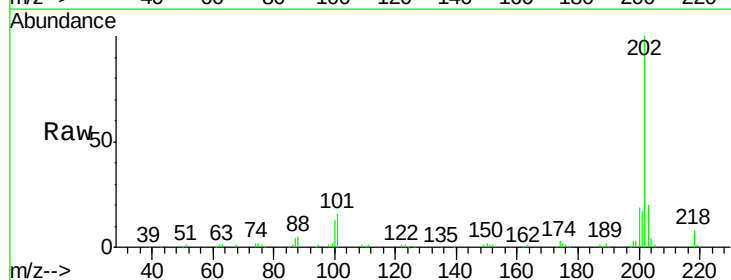
RT: 17.10 min Scan# 2578

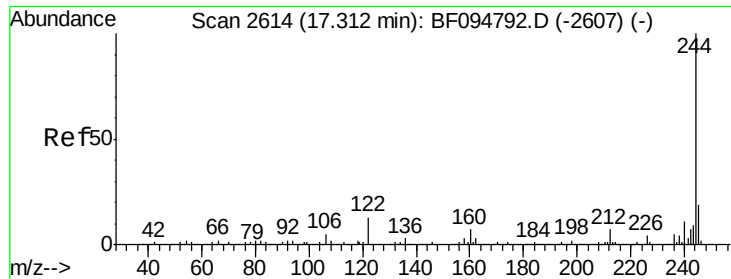
Delta R.T. -0.01 min

Lab File: BF095303.D

Acq: 20 May 2017 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	158802		
200	19.2	17.6	26.4	
203	20.4	14.4	21.6	





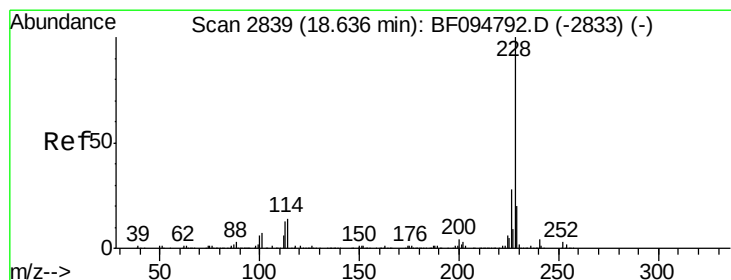
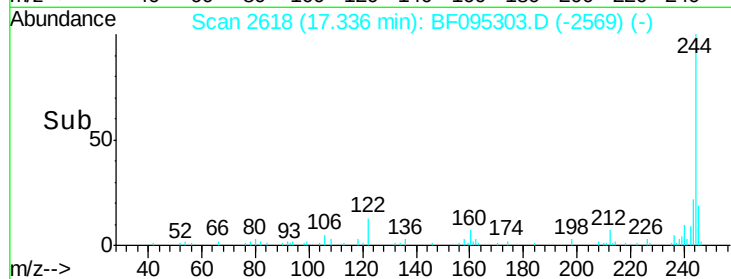
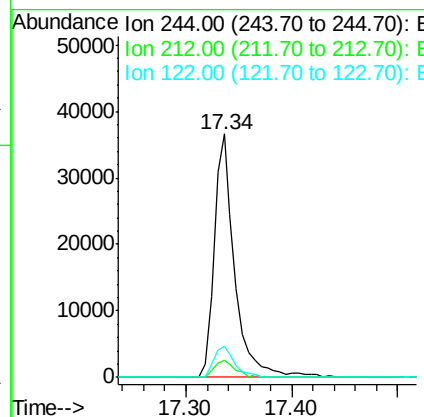
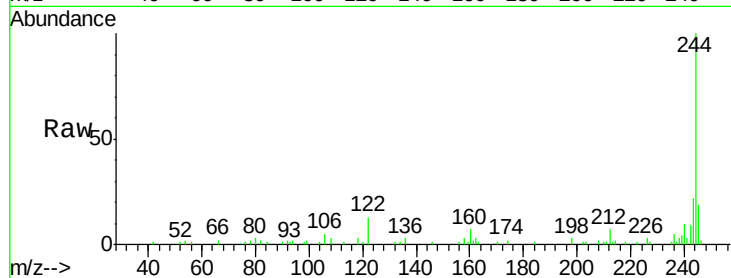
#78
 Terphenyl-d14
 Concen: 5.71 ng
 RT: 17.34 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BF095303.D
 Acq: 20 May 2017 14:10

Instrument :
 BNA_F
 ClientSampleId :
 E2-R3-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	49635		
212	7.0	6.0	9.0	
122	12.9	10.3	15.5	

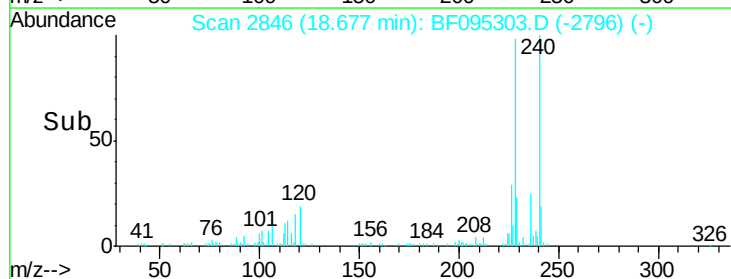
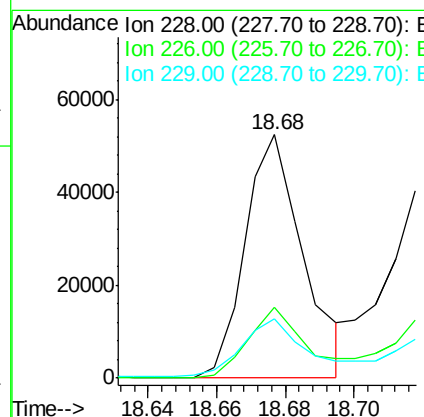
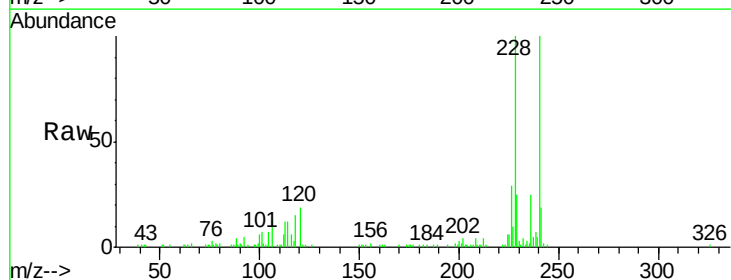
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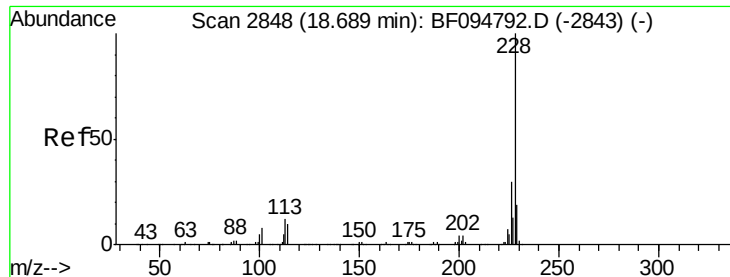
mohammad
 5/22/2017 1:30:38 PM



#80
 Benzo(a)anthracene
 Concen: 5.54 ng m
 RT: 18.68 min Scan# 2846
 Delta R.T. -0.01 min
 Lab File: BF095303.D
 Acq: 20 May 2017 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	61764		
226	29.2	22.6	33.8	
229	24.6	16.3	24.5	





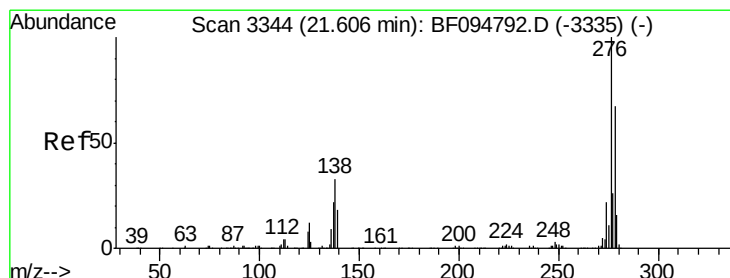
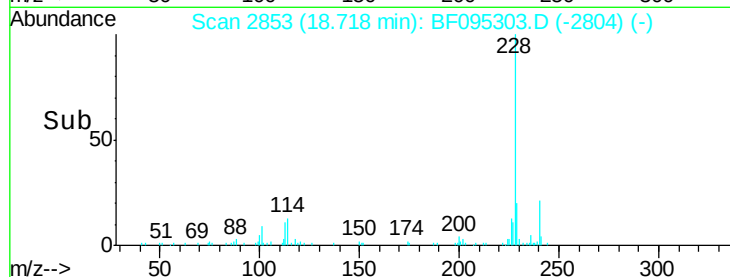
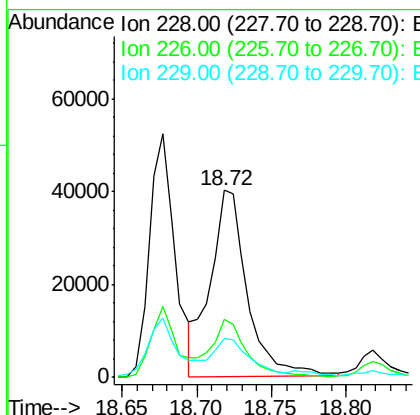
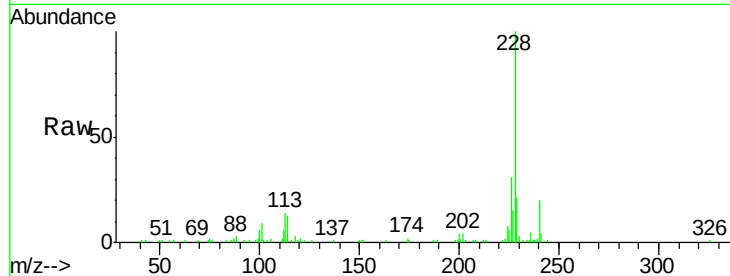
#82
Chrysene
Concen: 6.44 ng
RT: 18.72 min Scan# 2853
Delta R.T. -0.01 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

Instrument :
BNA_F
ClientSampleId :
E2-R3-SSW

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	21.0	15.8	23.6

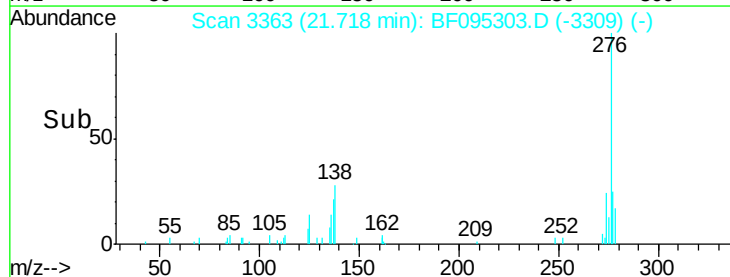
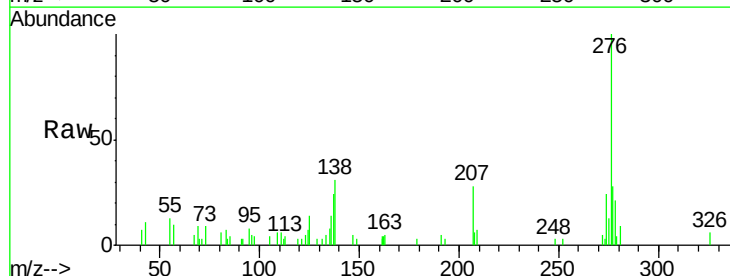
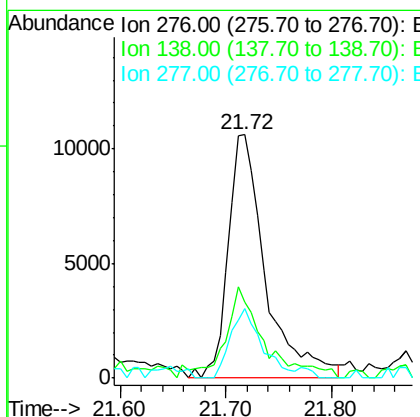
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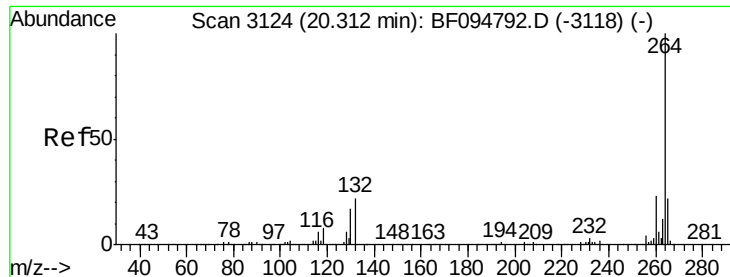
mohammad
5/22/2017 1:30:38 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.96 ng
RT: 21.72 min Scan# 3363
Delta R.T. 0.02 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	39.5	27.8	41.6
277	24.2	20.2	30.4





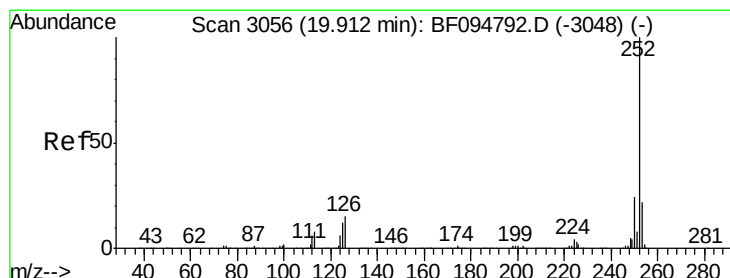
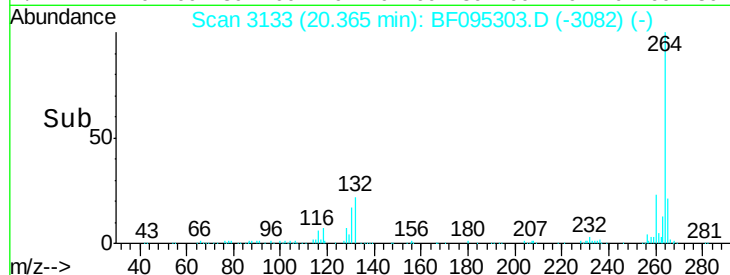
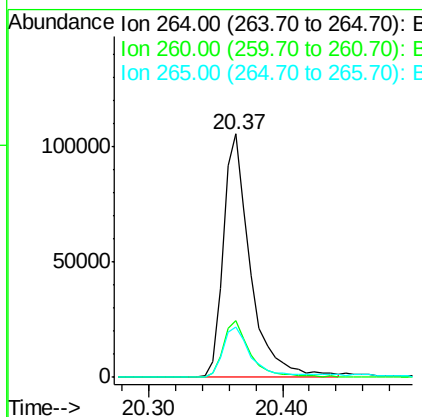
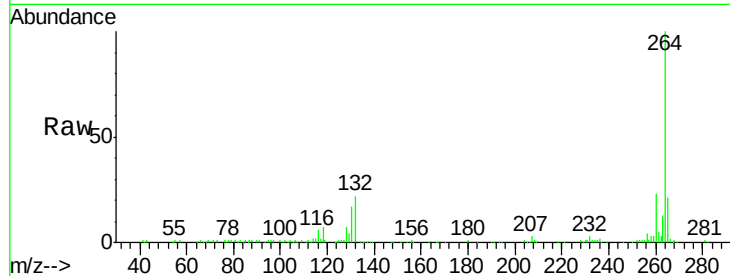
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

Instrument :
BNA_F
ClientSampled :
E2-R3-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	150498		
260	23.3	19.5	29.3	
265	20.6	17.2	25.8	

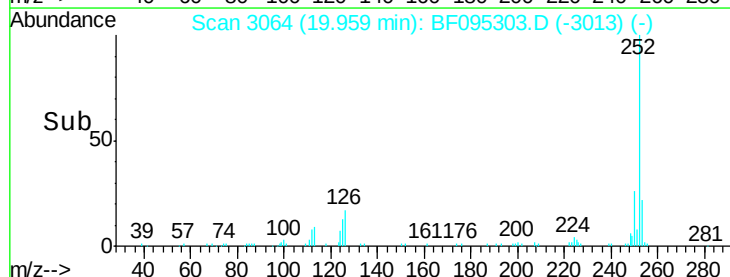
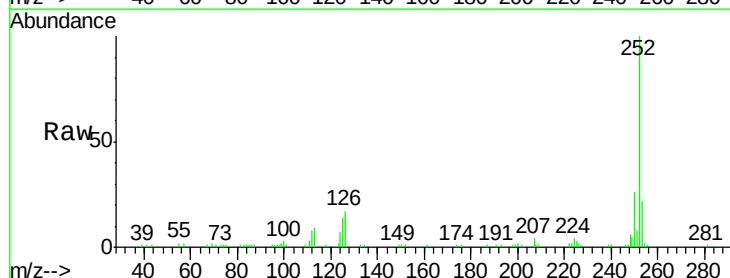
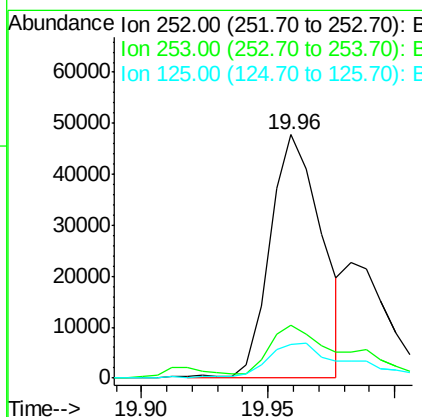
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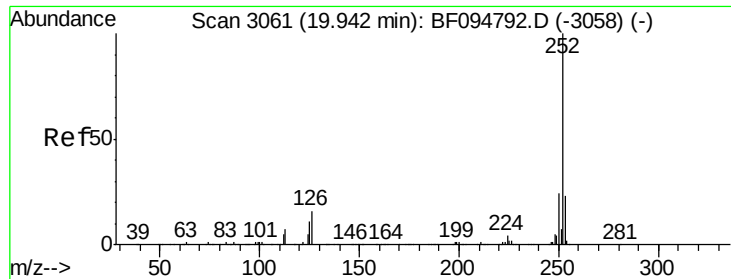
mohammad
5/22/2017 1:30:38 PM



#87
Benzo(b)fluoranthene
Concen: 7.28 ng m
RT: 19.96 min Scan# 3064
Delta R.T. 0.00 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	67723		
253	21.5	18.1	27.1	
125	13.8	9.8	14.8	





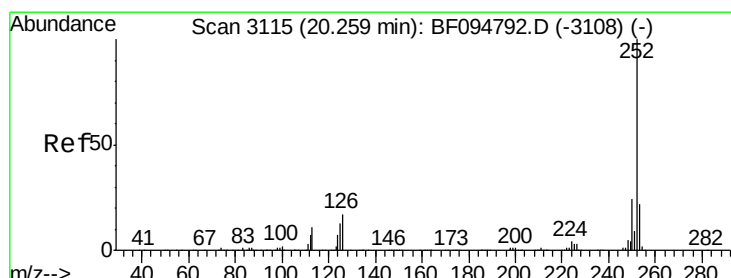
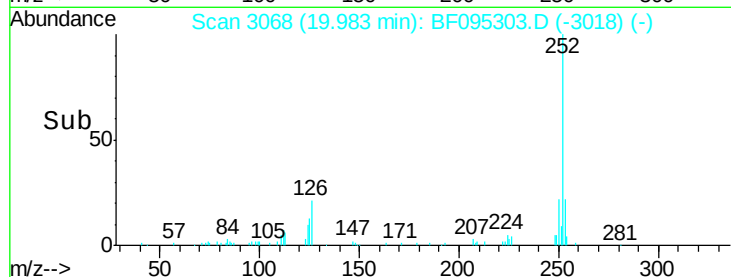
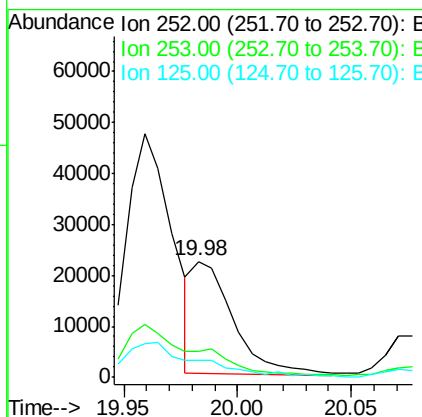
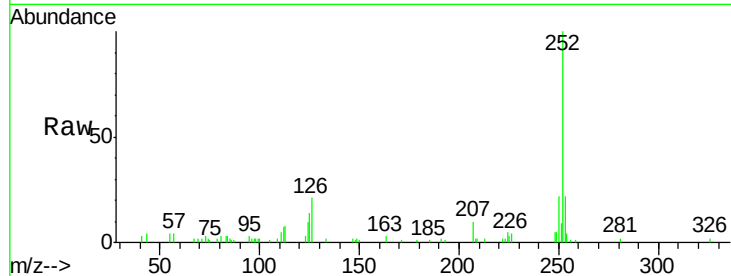
#88
Benzo(k)fluoranthene
Concen: 3.06 ng m
RT: 19.98 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

Instrument :
BNA_F
ClientSampleId :
E2-R3-SSW

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	14.4	13.1	19.7

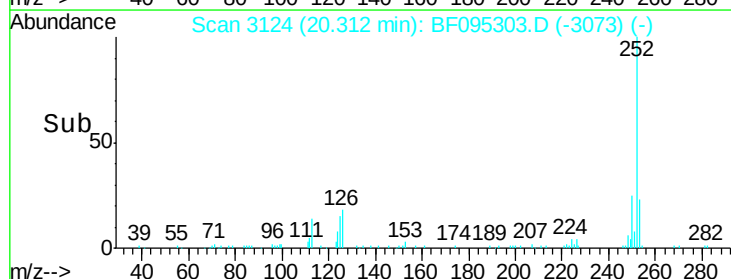
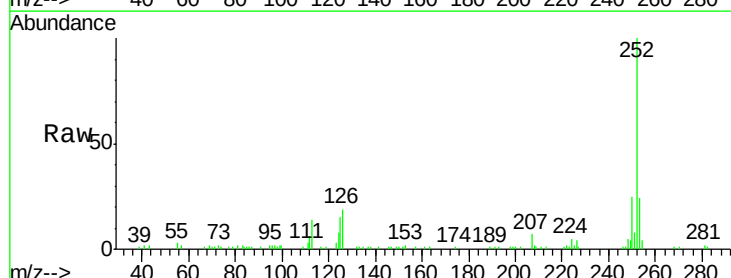
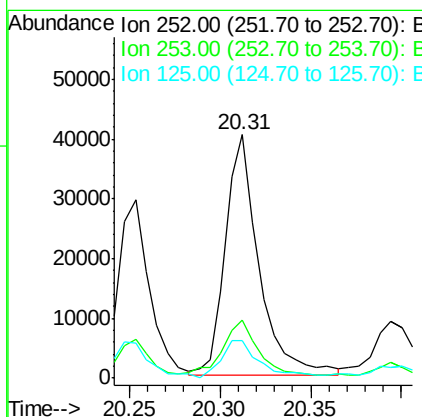
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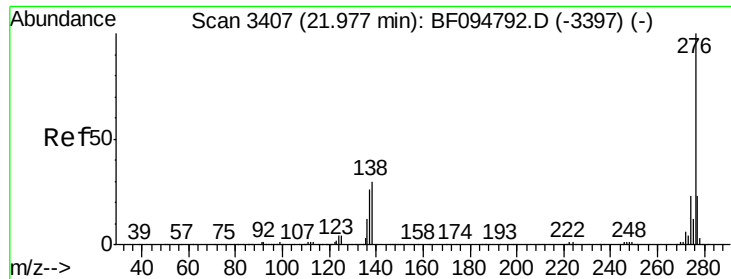
mohammad
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#89
Benzo(a)pyrene
Concen: 6.04 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.00 min
Lab File: BF095303.D
Acq: 20 May 2017 14:10

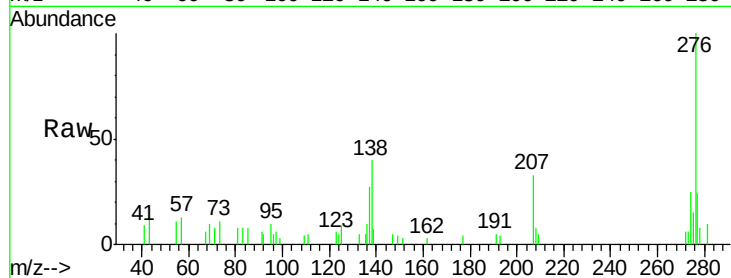
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	15.4	11.0	16.4





#91
 Benzo(g,h,i)perylene
 Concen: 3.62 ng
 RT: 22.11 min Scan# 3429
 Delta R.T. 0.02 min
 Lab File: BF095303.D
 Acq: 20 May 2017 14:10

Instrument :
 BNA_F
 ClientSampleId :
 E2-R3-SSW



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	46.6	25.4	38.0

Manual Integrations
 APPROVED

mohammad
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