

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
 Data File : BF095537.D
 Acq On : 30 May 2017 16:07
 Operator : SJ/MA
 Sample : I3281-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP9-D23

Manual Integrations
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Quant Time: May 31 02:40:41 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	90130	20.00	ng	0.00
21) Naphthalene-d8	9.76	136	370916	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	160534	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	236710	20.00	ng	0.00
75) Chrysene-d12	18.67	240	206069	20.00	ng	0.00
86) Perylene-d12	20.35	264	169686	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	705183	130.44	ng	0.00
7) Phenol-d6	7.28	99	834598	128.67	ng	-0.01
23) Nitrobenzene-d5	8.64	82	494389	84.05	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	136733	104.00	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	918544	82.36	ng	0.00
78) Terphenyl-d14	17.31	244	513669	54.90	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	12.23	163	227926	17.29	ng	99
70) Phenanthrene	15.03	178	230452	16.94	ng	97
71) Anthracene	15.12	178	47393m	3.41	ng	
74) Fluoranthene	16.78	202	340053	24.37	ng	97
77) Pyrene	17.08	202	290496	18.85	ng	95
80) Benzo(a)anthracene	18.66	228	172438	14.38	ng	97
82) Chrysene	18.70	228	172193	14.85	ng	97
85) Indeno(1,2,3-cd)pyrene	21.69	276	68000	7.22	ng	94
87) Benzo(b)fluoranthene	19.94	252	200960m	19.17	ng	
88) Benzo(k)fluoranthene	19.97	252	66884m	6.61	ng	
89) Benzo(a)pyrene	20.29	252	124886	12.91	ng	94
90) Dibenzo(a,h)anthracene	21.68	278	16808	2.10	ng	# 76
91) Benzo(g,h,i)perylene	22.08	276	67632	8.63	ng	98

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

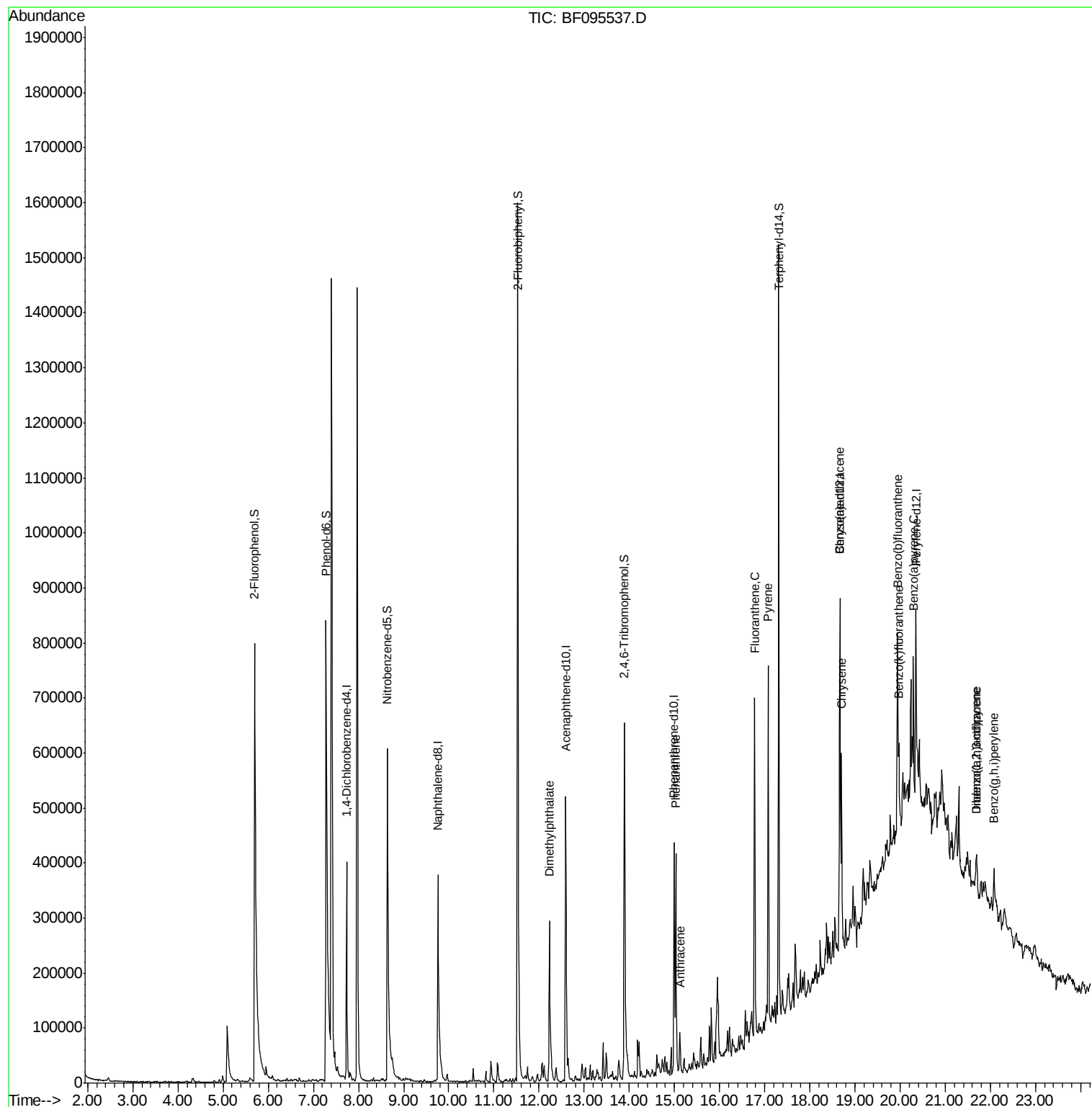
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
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#1

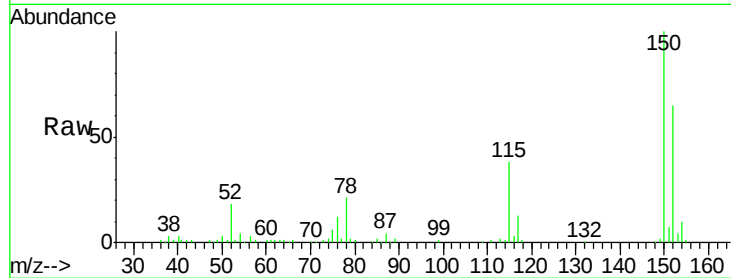
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095537.D
Acq: 30 May 2017 16:07

Instrument :
BNA_F
ClientSampleId :
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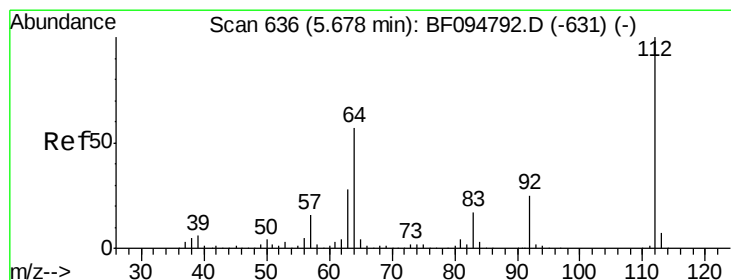
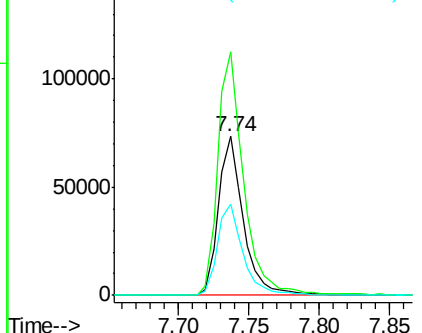
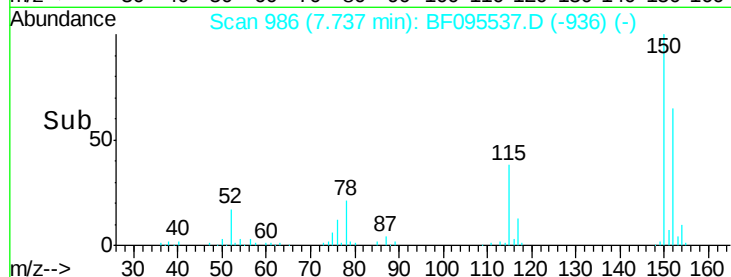
Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.3	126.2	189.2
115	57.8	52.2	78.2

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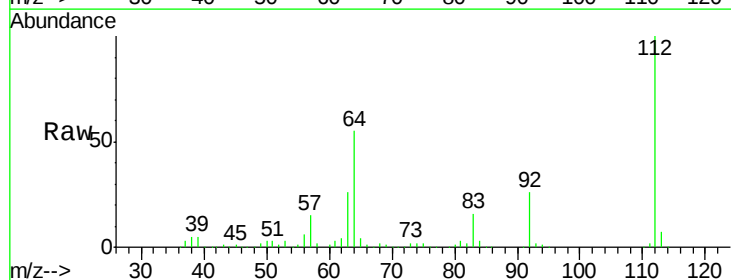
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



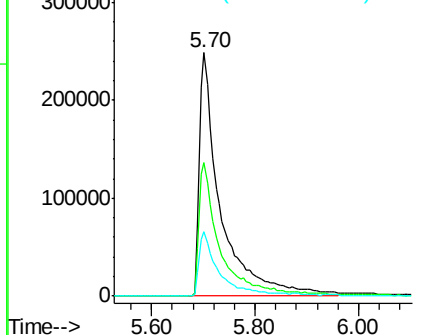
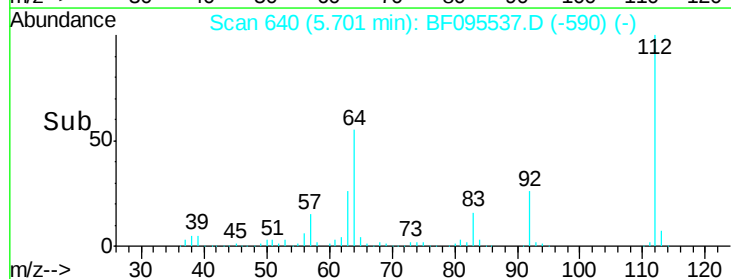
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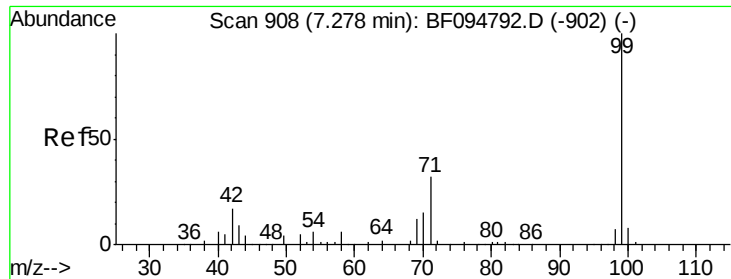
2-Fluorophenol
Concen: 130.44 ng
RT: 5.70 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF095537.D
Acq: 30 May 2017 16:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	46.0	69.0
63	26.4	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 128.67 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Instrument :

BNA_F

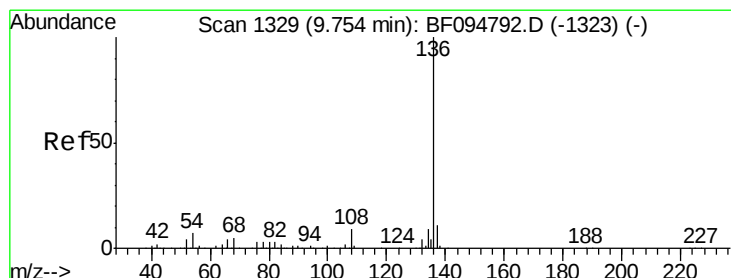
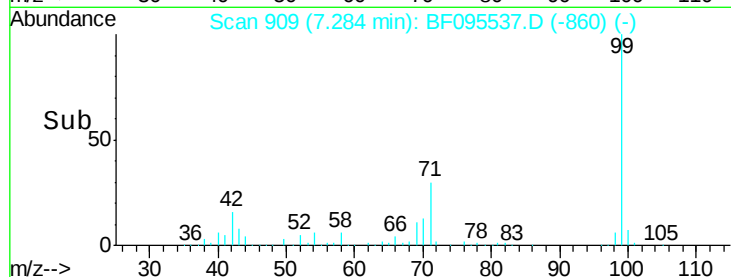
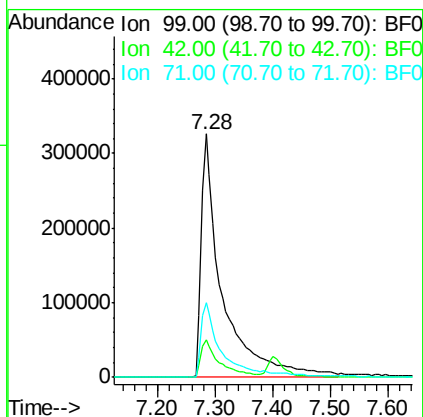
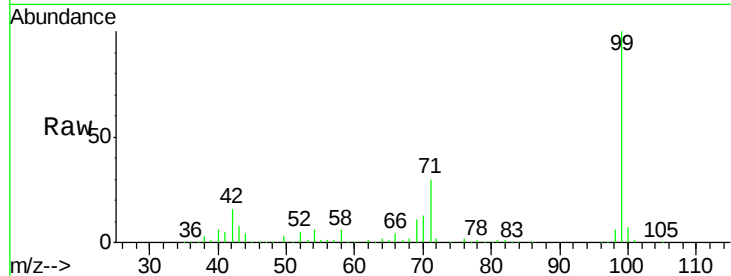
ClientSampleId :

R1-TP9-D23

Tgt Ion:	99	Resp:	834598
Ion Ratio	Lower	Upper	
99	100		
42	15.6	13.5	20.3
71	30.5	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

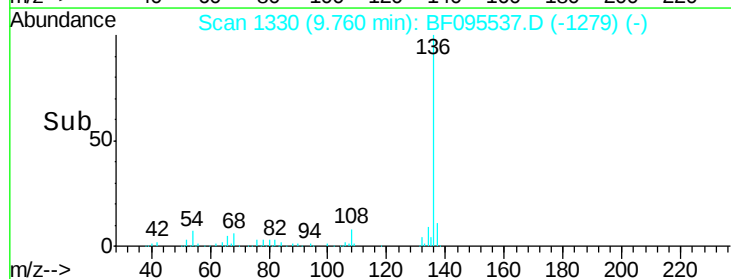
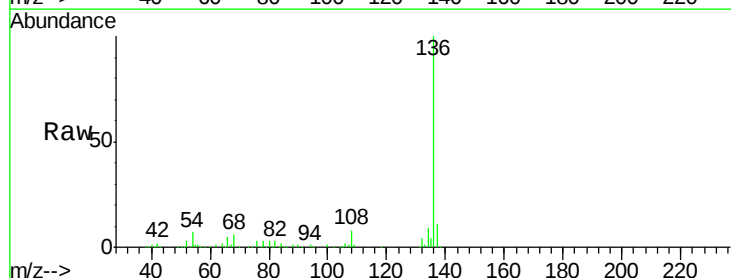
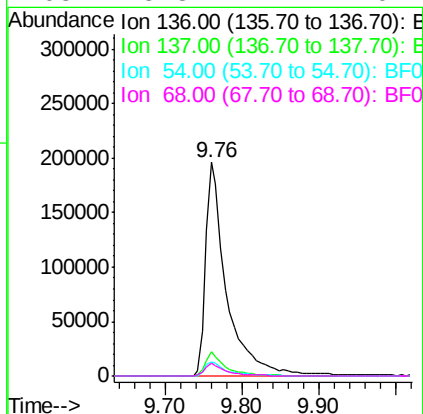
RT: 9.76 min Scan# 1330

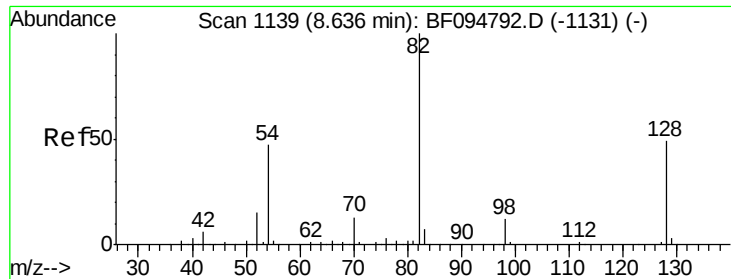
Delta R.T. 0.00 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Tgt Ion:	136	Resp:	370916
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	6.8	4.9	7.3
68	5.8	4.1	6.1





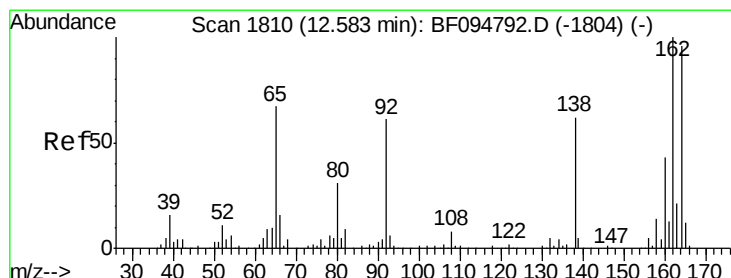
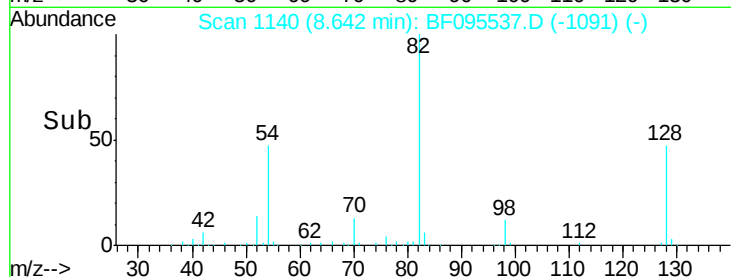
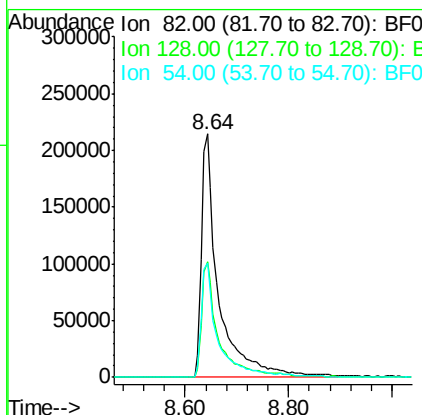
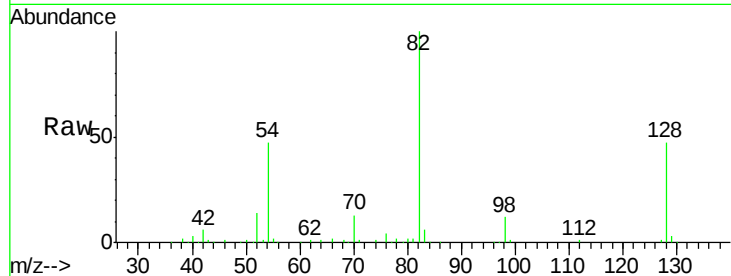
#23
 Nitrobenzene-d5
 Concen: 84.05 ng
 RT: 8.64 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF095537.D
 Acq: 30 May 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP9-D23

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	494389		
128	47.4	34.0	51.0	
54	46.9	42.2	63.2	

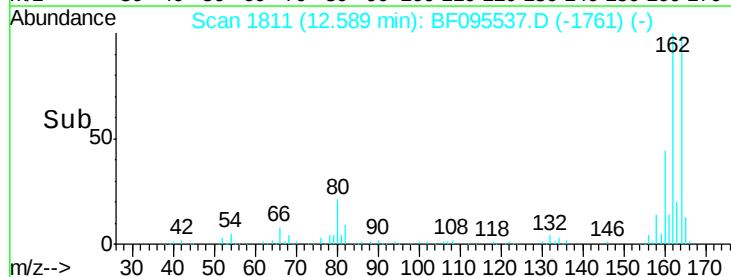
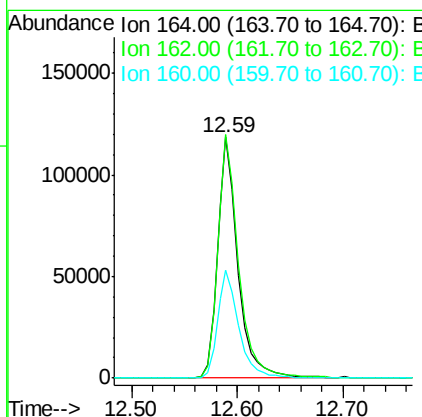
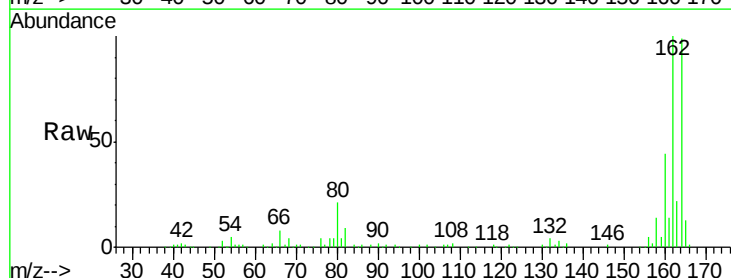
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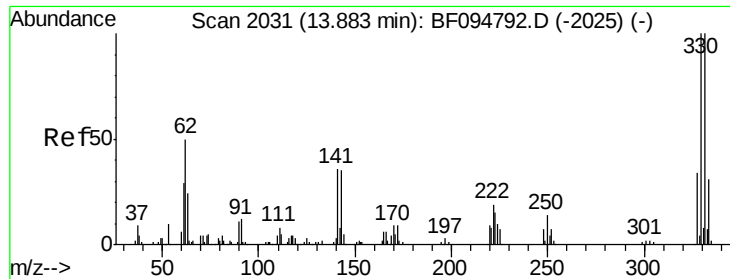
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.59 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: BF095537.D
 Acq: 30 May 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	160534		
162	101.1	82.6	123.8	
160	44.9	36.2	54.2	





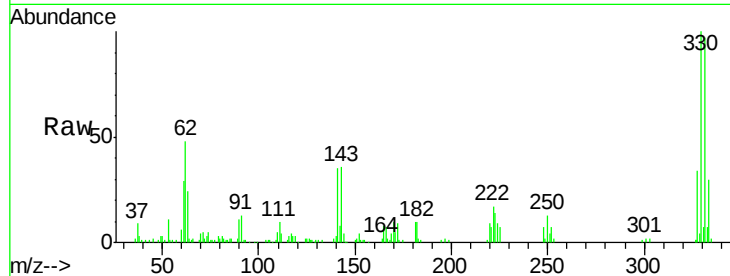
#41
 2,4,6-Tribromophenol
 Concen: 104.00 ng
 RT: 13.89 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF095537.D
 Acq: 30 May 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP9-D23

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	136733		
332	95.9	76.6	115.0	
141	42.2	31.4	47.2	

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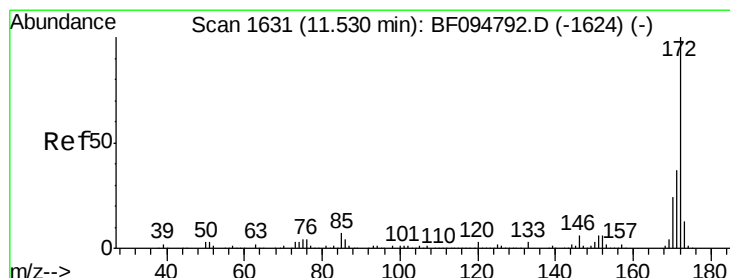
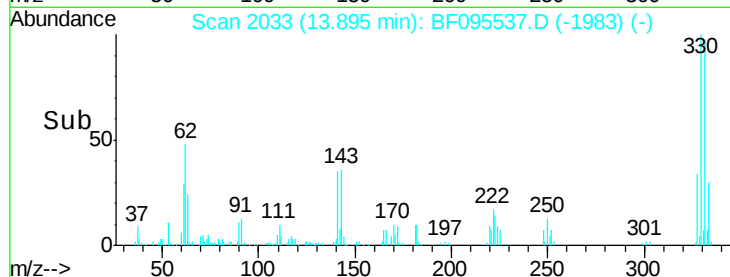
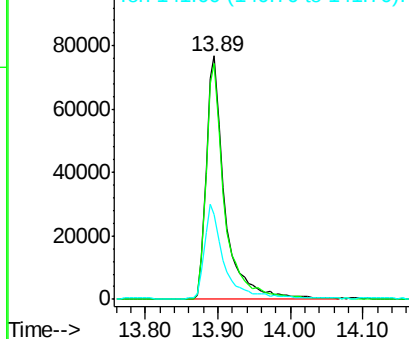


Abundance

Ion 329.80 (329.50 to 330.50): E

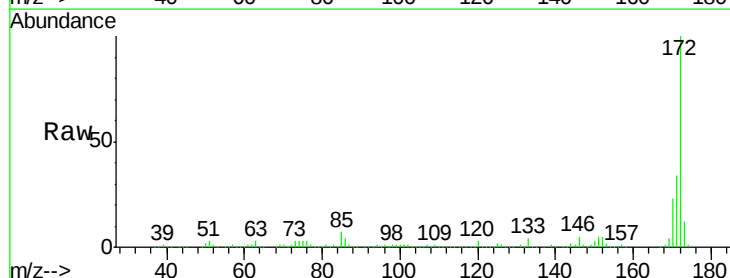
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 82.36 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095537.D
 Acq: 30 May 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	918544		
171	34.2	29.6	44.4	
170	23.3	19.8	29.8	

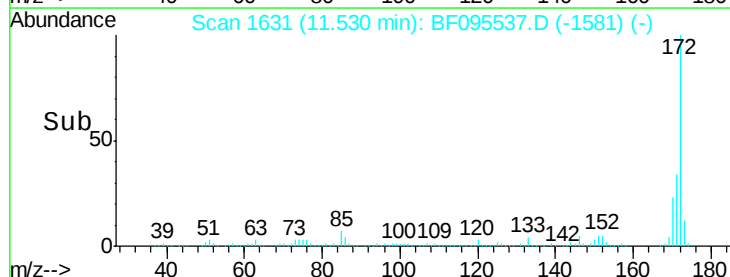
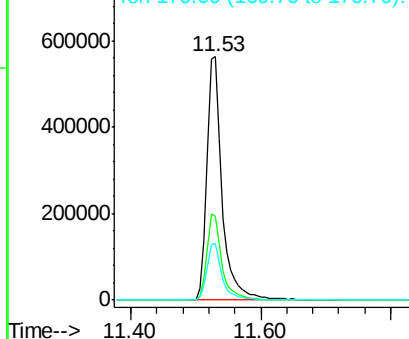


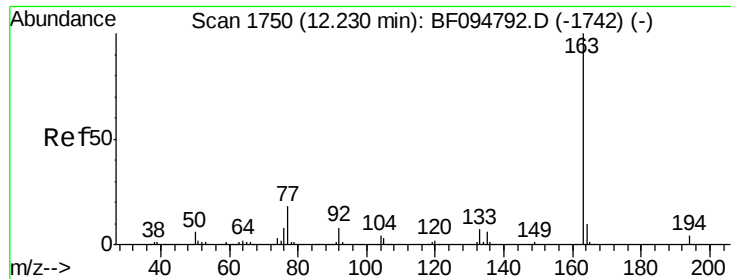
Abundance

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





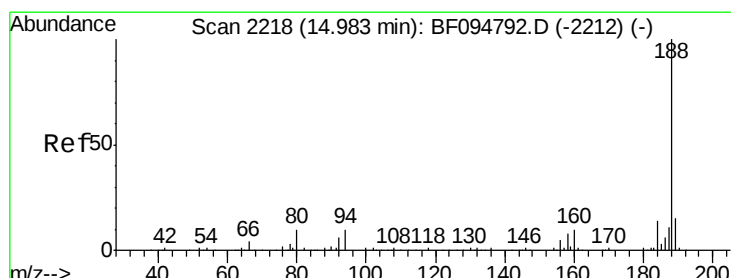
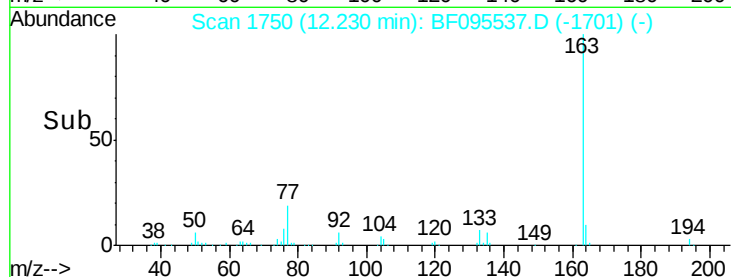
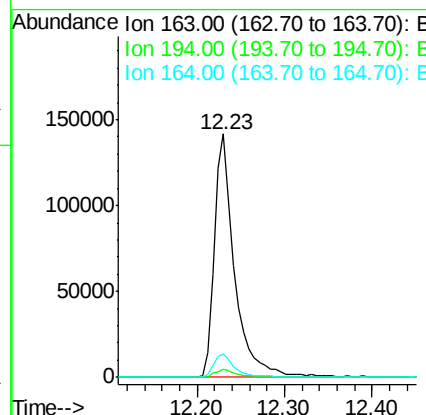
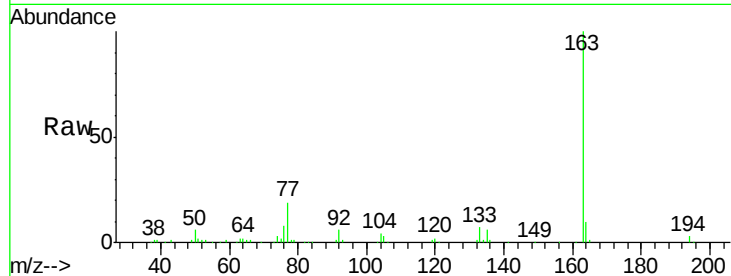
#49
Dimethylphthalate
Concen: 17.29 ng
RT: 12.23 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BF095537.D
Acq: 30 May 2017 16:07

Instrument :
BNA_F
ClientSampleId :
R1-TP9-D23

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	227926		
194	3.3		2.6	4.0
164	9.9		8.4	12.6

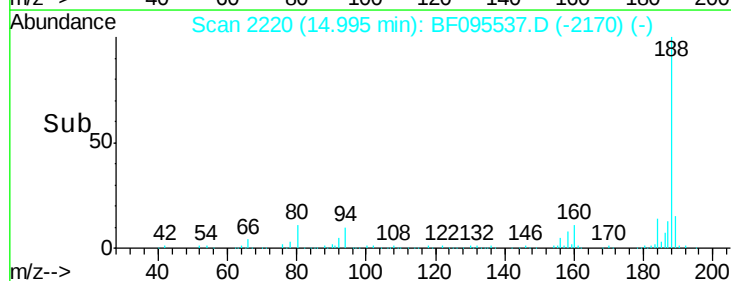
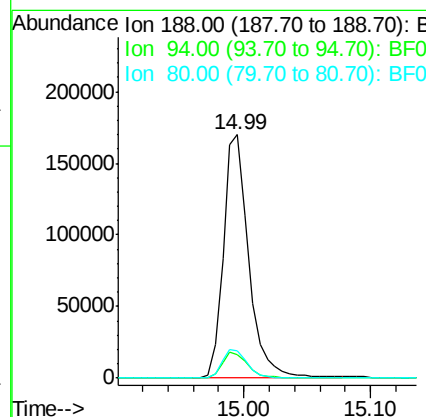
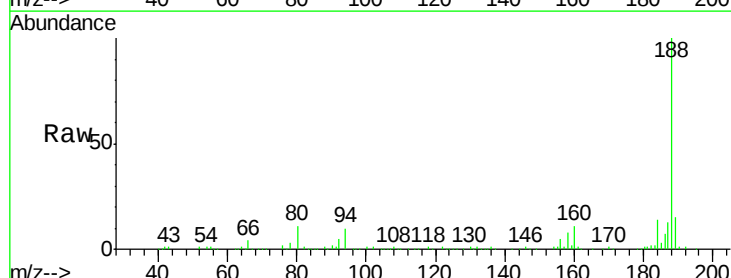
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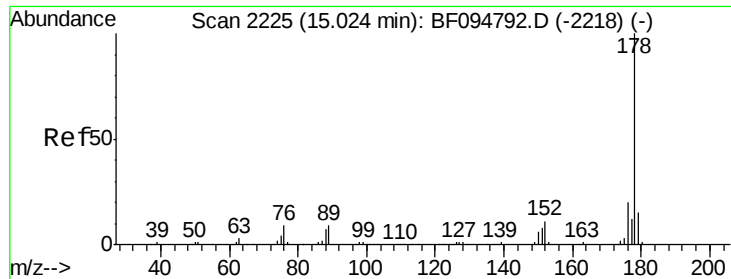
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF095537.D
Acq: 30 May 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	236710		
94	9.7		9.4	14.2
80	11.2		10.2	15.2





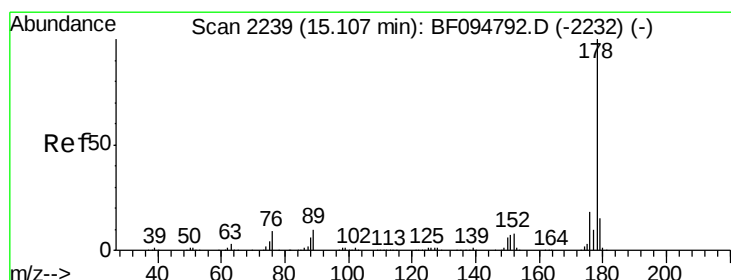
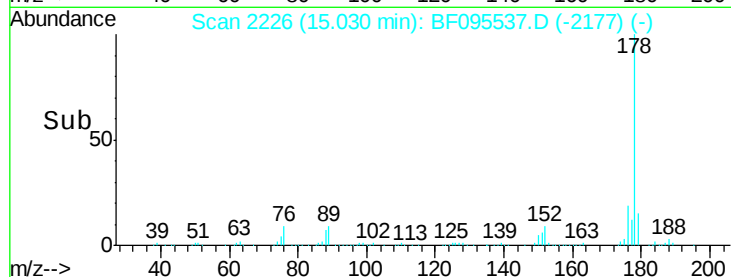
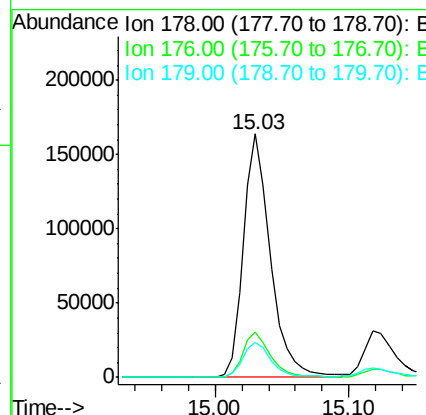
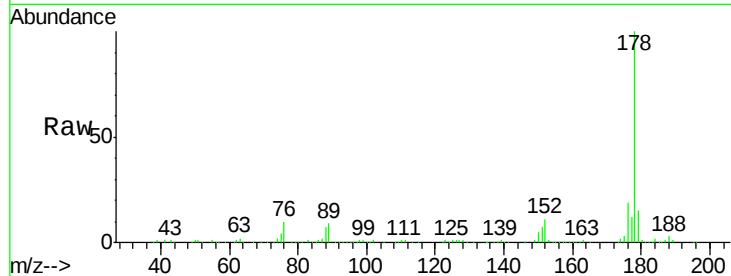
#70
Phenanthrene
Concen: 16.94 ng
RT: 15.03 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF095537.D
Acq: 30 May 2017 16:07

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
178	100	230452		
176	18.8	16.2	24.4	
179	14.5	12.6	19.0	

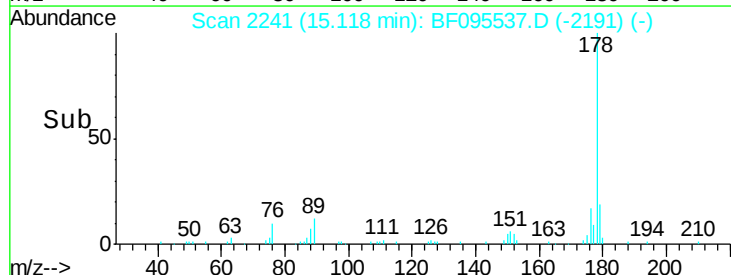
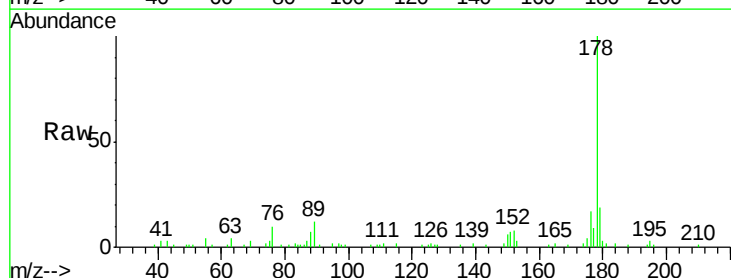
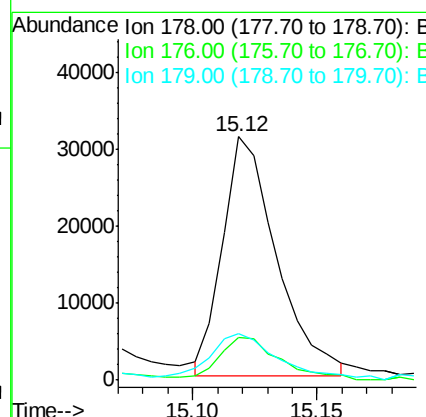
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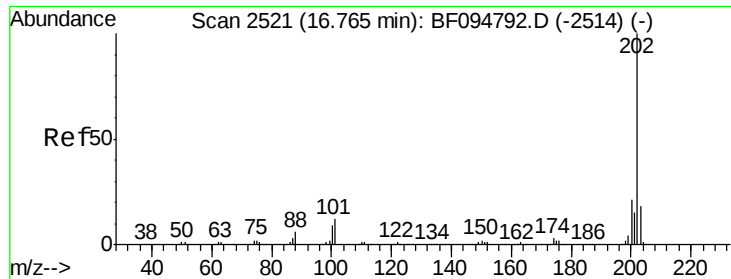
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#71
Anthracene
Concen: 3.41 ng m
RT: 15.12 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF095537.D
Acq: 30 May 2017 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	47393		
176	17.3	15.8	23.8	
179	19.3	12.7	19.1	





#74

Fluoranthene

Concen: 24.37 ng

RT: 16.78 min Scan# 2523

Delta R.T. -0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Instrument :

BNA_F

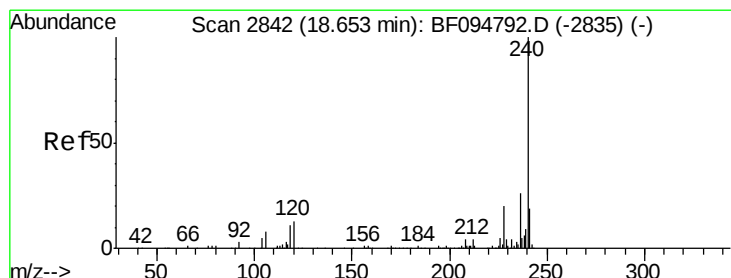
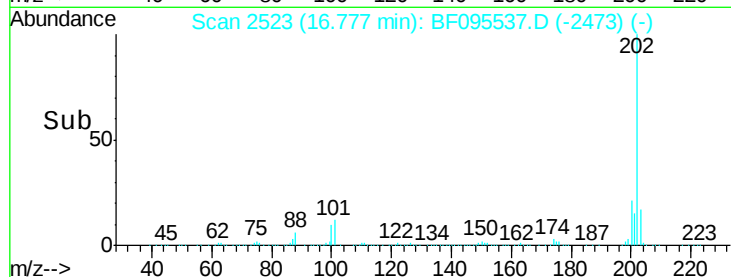
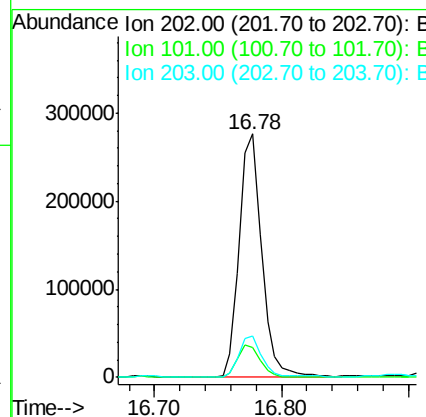
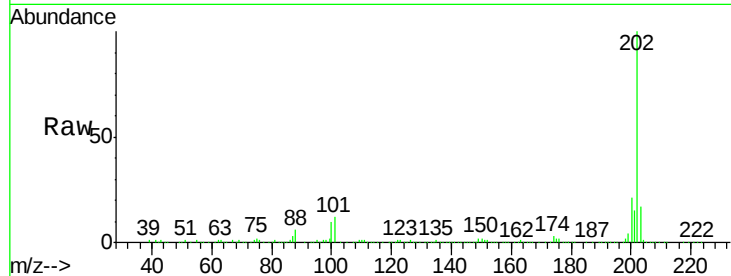
ClientSampleId :

R1-TP9-D23

Tgt Ion:	202	Resp:	340053
Ion Ratio		Lower	Upper
202	100		
101	12.4	0.0	33.2
203	16.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

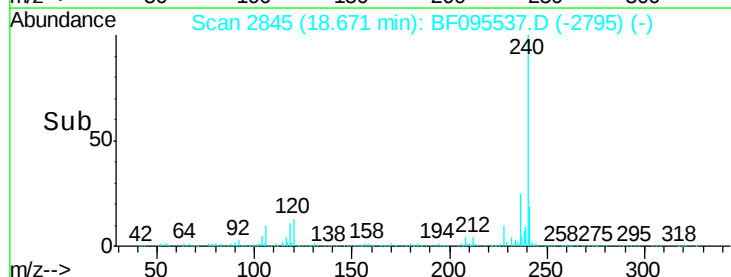
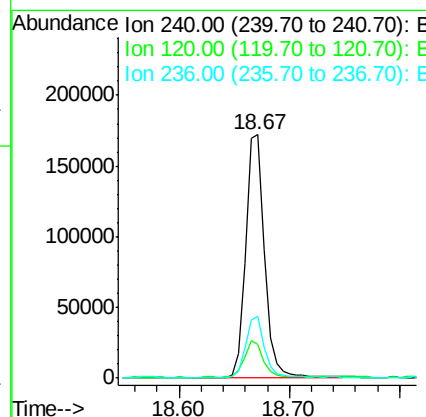
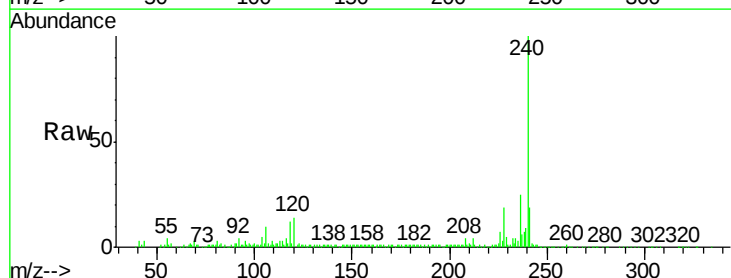
RT: 18.67 min Scan# 2845

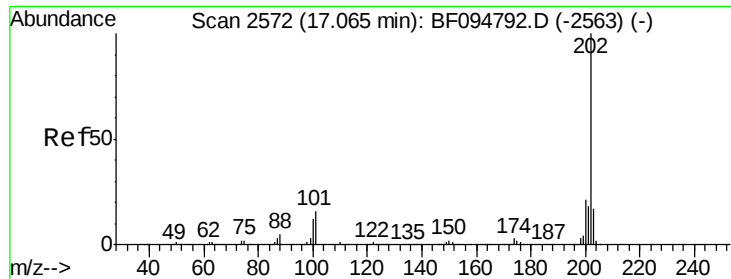
Delta R.T. -0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Tgt Ion:	240	Resp:	206069
Ion Ratio		Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	25.4	20.5	30.7





#77

Pyrene

Concen: 18.85 ng

RT: 17.08 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Instrument :

BNA_F

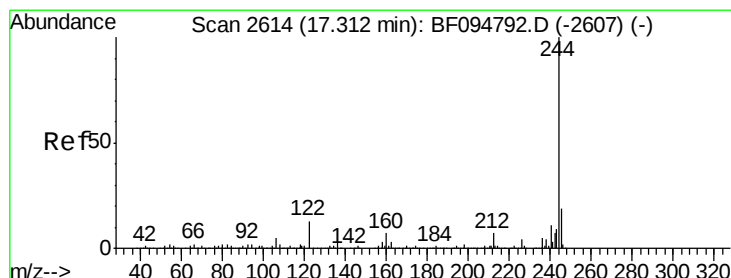
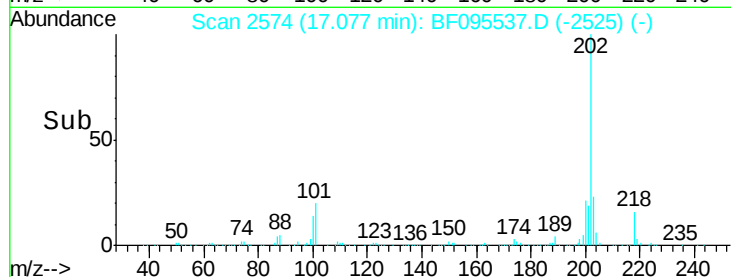
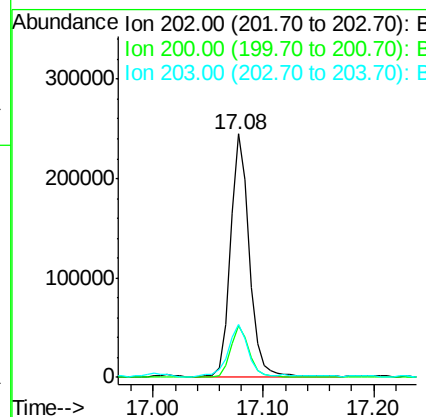
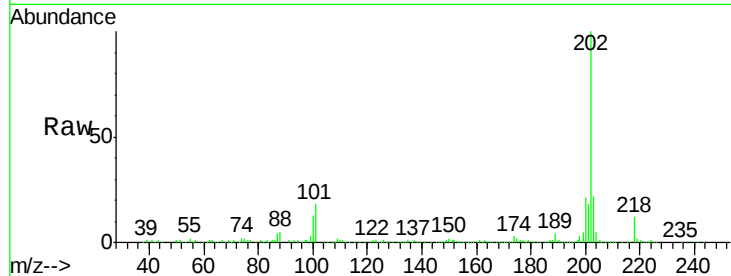
ClientSampleId :

R1-TP9-D23

Tgt Ion:	202	Resp:	290496
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.6	26.4
203	21.6	14.4	21.6

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#78

Terphenyl-d14

Concen: 54.90 ng

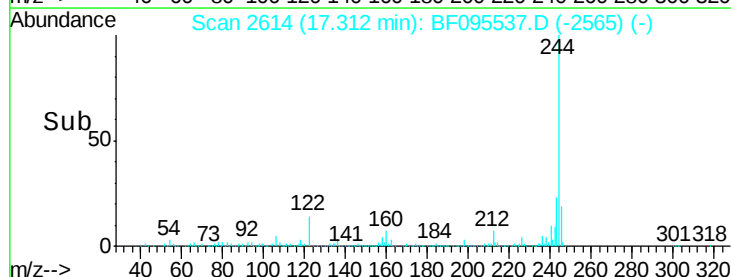
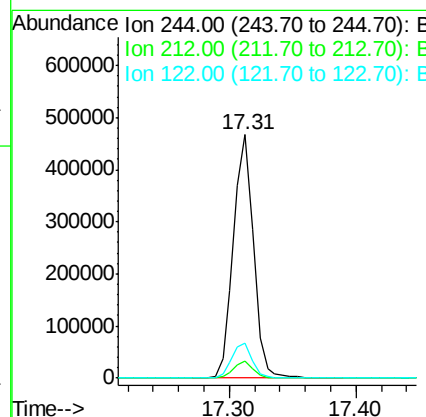
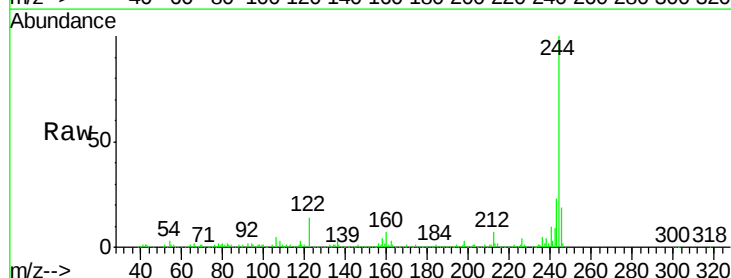
RT: 17.31 min Scan# 2614

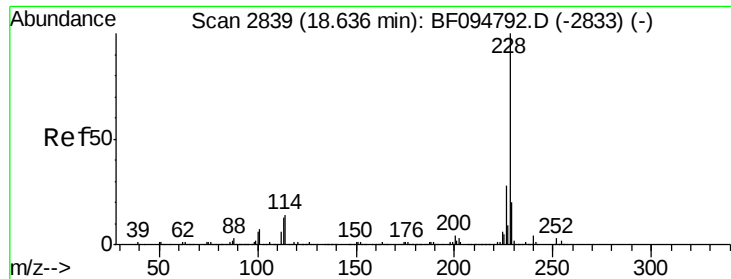
Delta R.T. -0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Tgt Ion:	244	Resp:	513669
Ion Ratio		Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.2	10.3	15.5





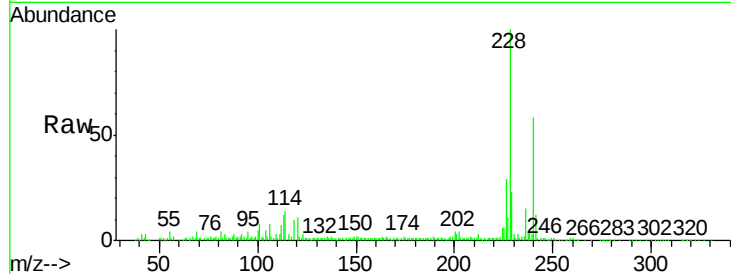
#80
Benzo(a)anthracene
Concen: 14.38 ng
RT: 18.66 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BF095537.D
Acq: 30 May 2017 16:07

Instrument :
BNA_F
ClientSampleId :
R1-TP9-D23

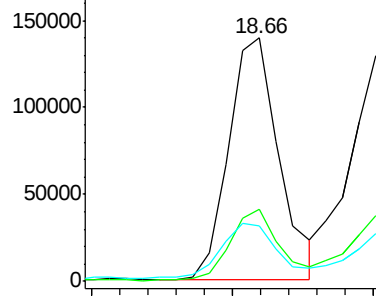
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	22.6	16.3	24.5

Manual Integrations
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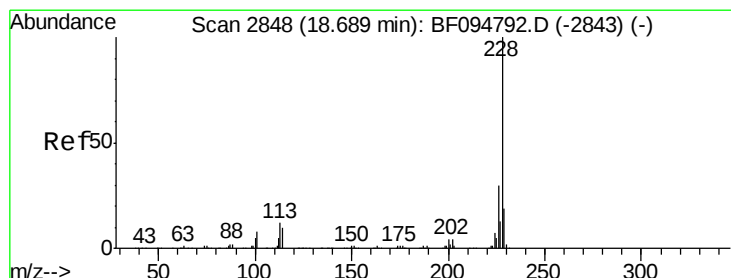
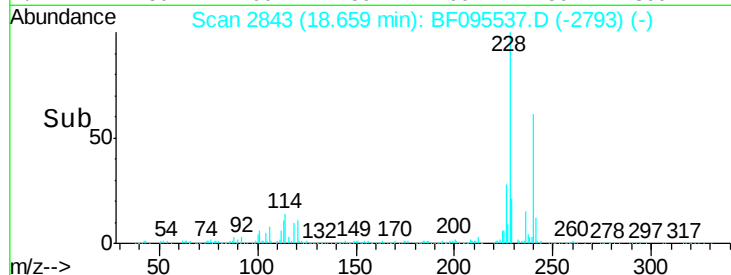
mohammad
5/31/2017 5:02:28 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



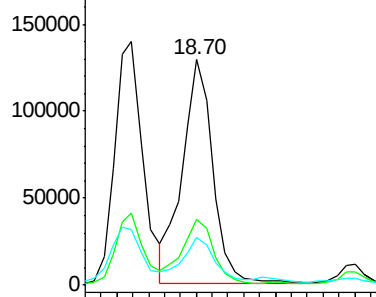
Time--> 18.60 18.65 18.70



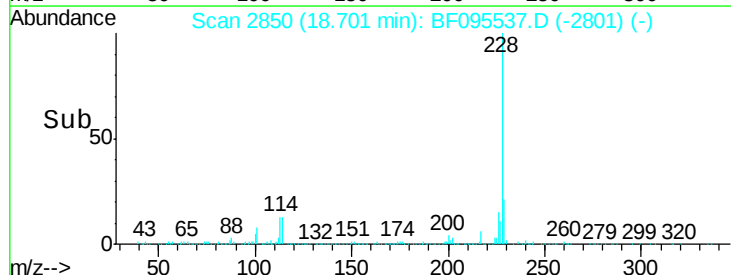
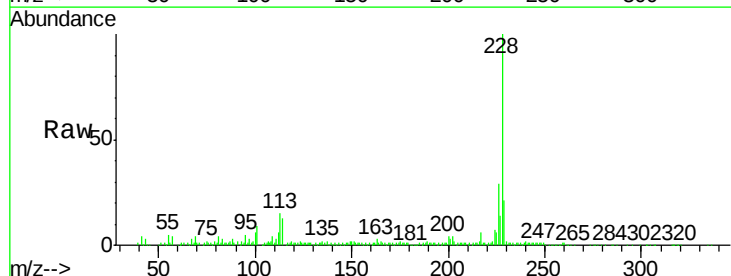
#82
Chrysene
Concen: 14.85 ng
RT: 18.70 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BF095537.D
Acq: 30 May 2017 16:07

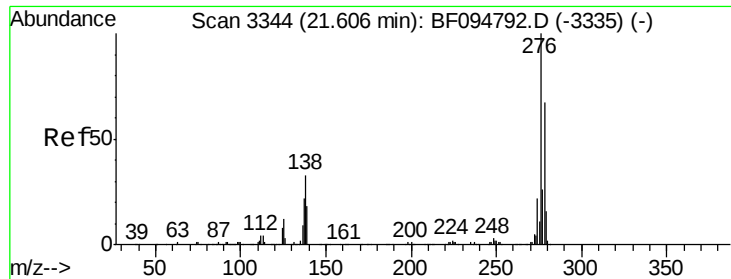
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.9	37.3
229	21.1	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 18.65 18.70 18.75 18.80





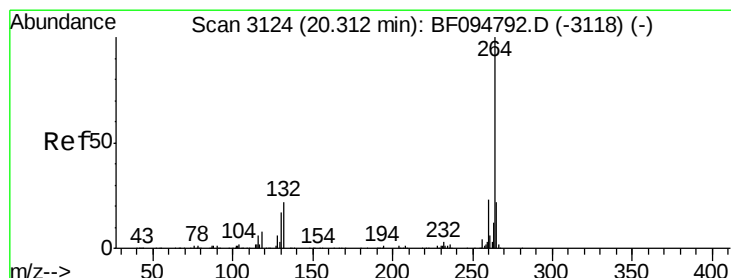
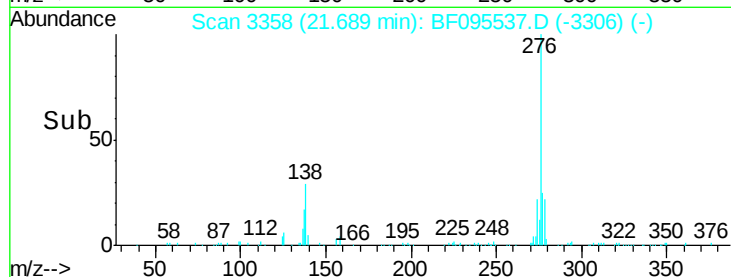
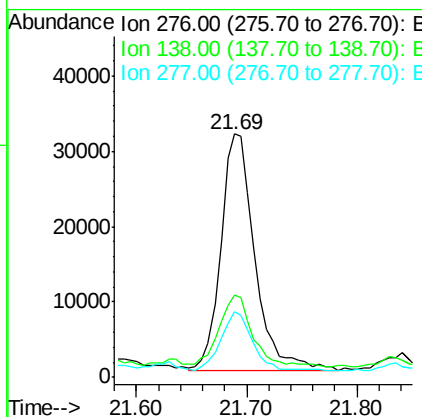
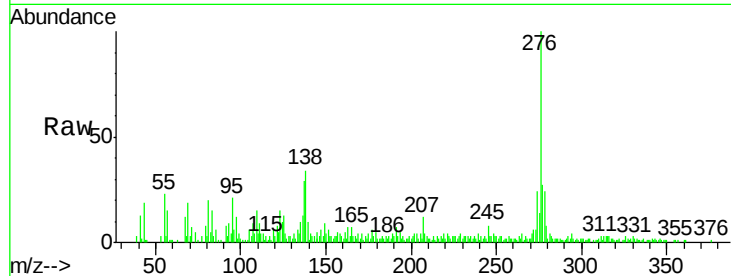
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.22 ng
 RT: 21.69 min Scan# 3358
 Delta R.T. 0.01 min
 Lab File: BF095537.D
 Acq: 30 May 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP9-D23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.5	27.8	41.6
277	22.5	20.2	30.4

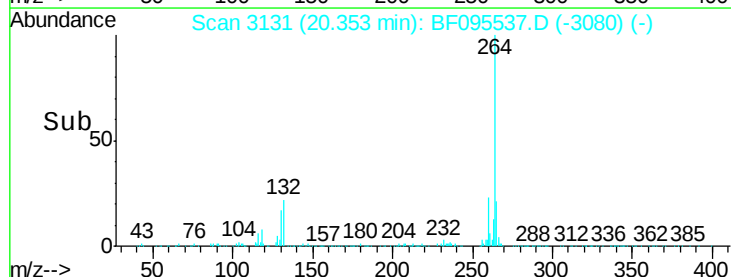
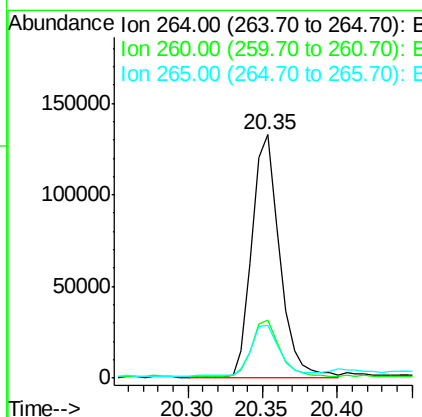
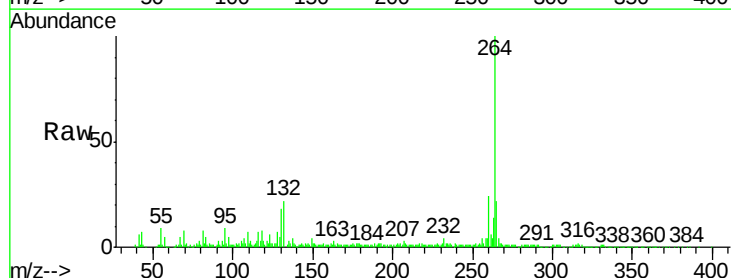
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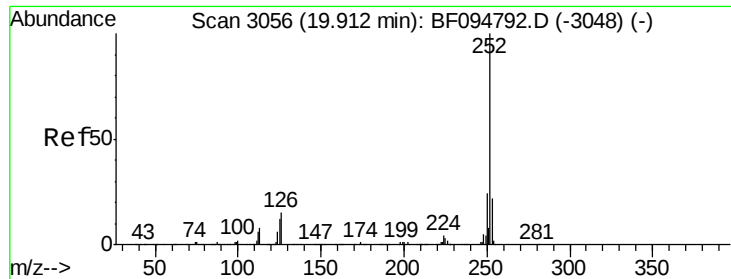
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.35 min Scan# 3131
 Delta R.T. 0.00 min
 Lab File: BF095537.D
 Acq: 30 May 2017 16:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 19.17 ng m

RT: 19.94 min Scan# 3061

Delta R.T. 0.00 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

Instrument :

BNA_F

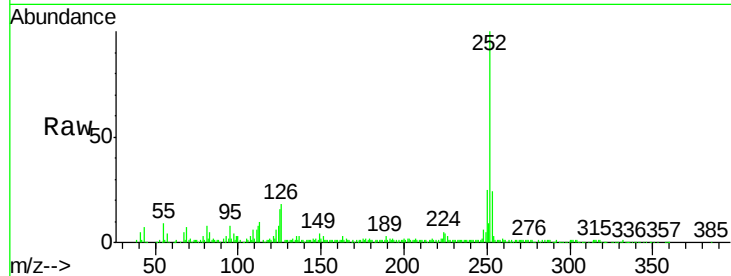
ClientSampleId :

R1-TP9-D23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	200960		
253	23.7	18.1	27.1	
125	15.9	9.8	14.8	

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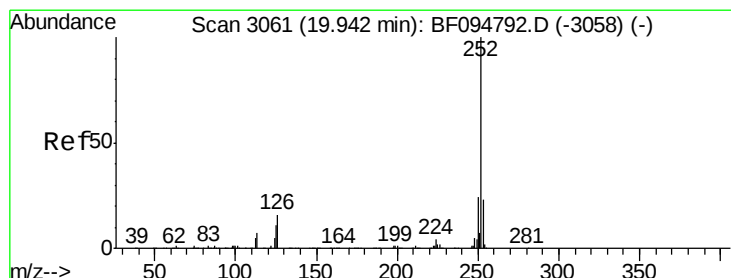
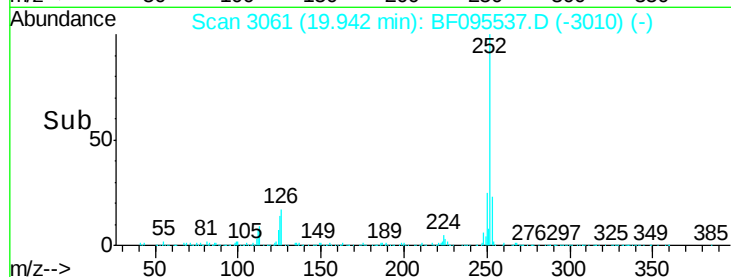
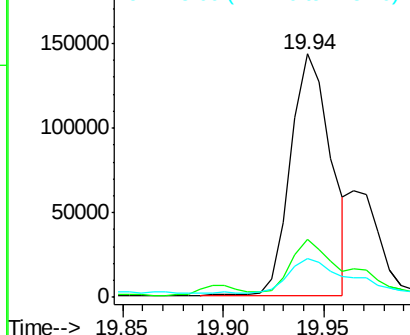


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 6.61 ng m

RT: 19.97 min Scan# 3065

Delta R.T. -0.01 min

Lab File: BF095537.D

Acq: 30 May 2017 16:07

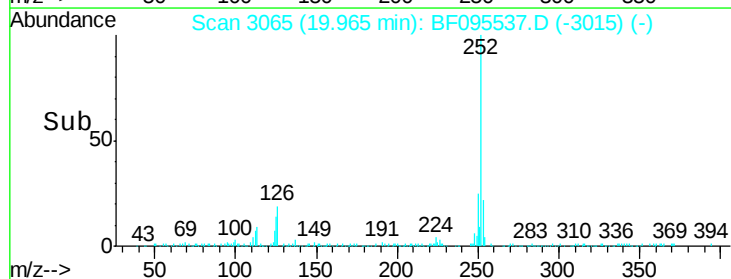
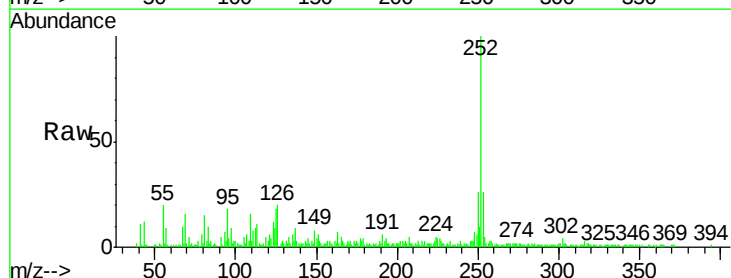
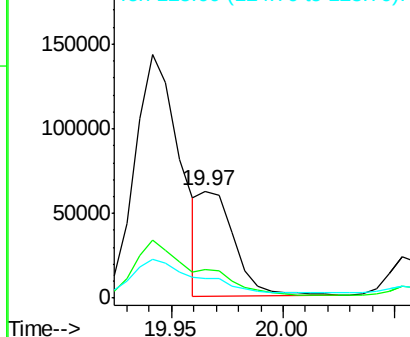
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	66884		
253	26.2	18.4	27.6	
125	18.3	13.1	19.7	

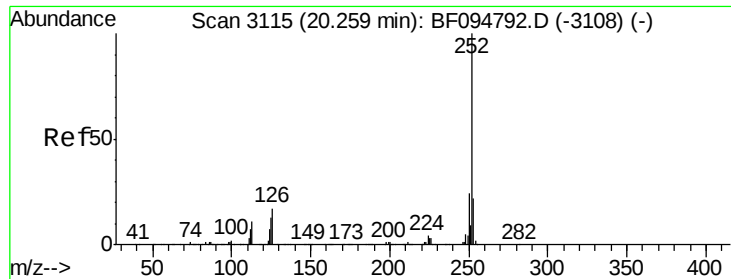
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





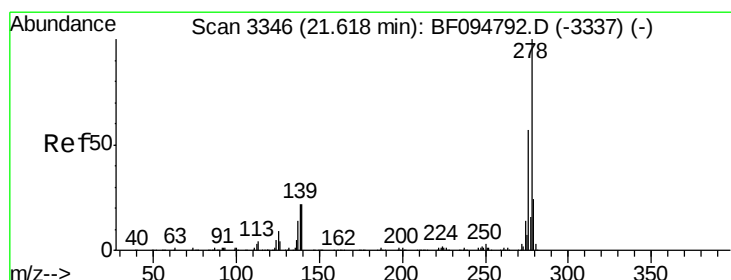
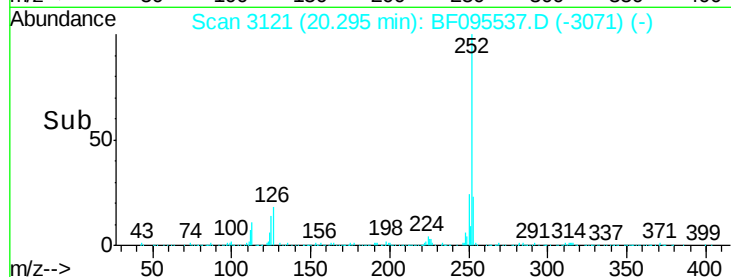
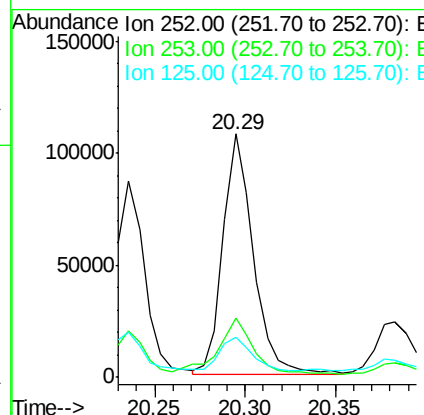
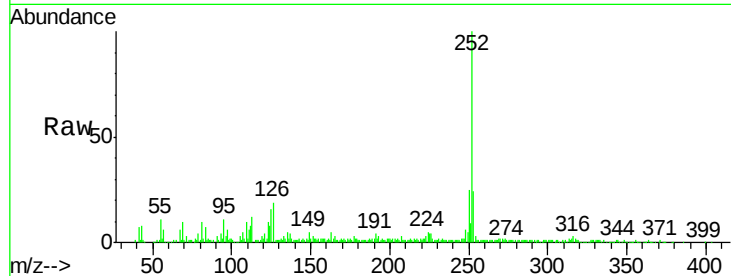
#89
Benzo(a)pyrene
Concen: 12.91 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BF095537.D
Acq: 30 May 2017 16:07

Instrument :
BNA_F
ClientSampled :
R1-TP9-D23

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.4	17.5	26.3
125	16.2	11.0	16.4

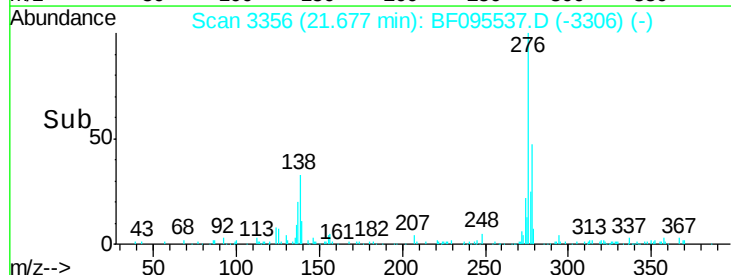
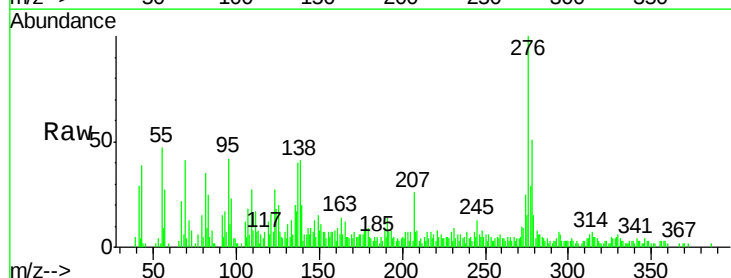
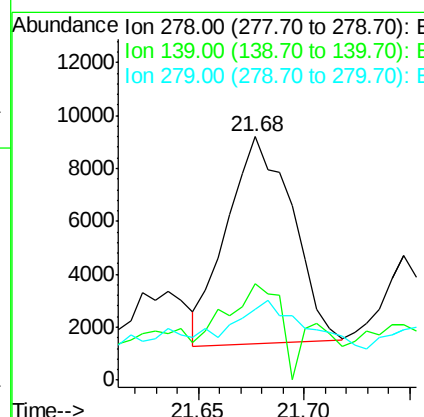
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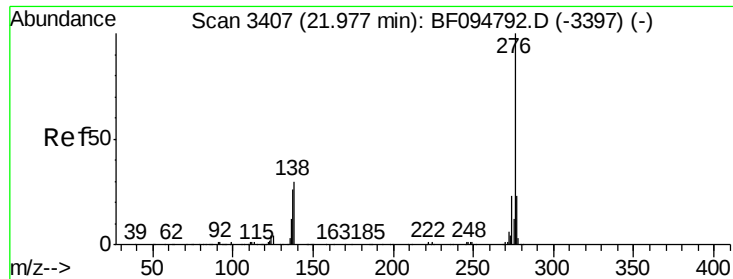
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 2.10 ng
RT: 21.68 min Scan# 3356
Delta R.T. -0.01 min
Lab File: BF095537.D
Acq: 30 May 2017 16:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	39.4	16.6	24.8#
279	28.9	19.3	28.9#





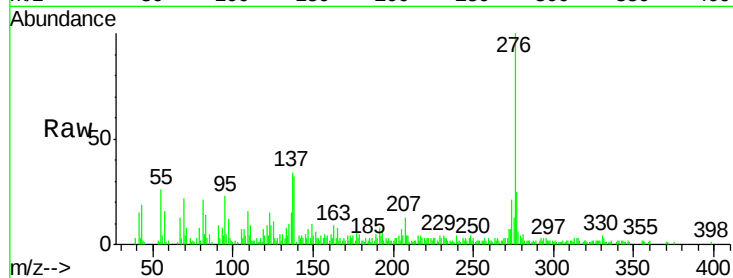
#91
 Benzo(g,h,i)perylene
 Concen: 8.63 ng
 RT: 22.08 min Scan# 3424
 Delta R.T. 0.01 min
 Lab File: BF095537.D
 Acq: 30 May 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP9-D23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.6	28.0
138	32.5	25.4	38.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

