

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
 Data File : BF095517.D
 Acq On : 28 May 2017 2:06
 Operator : SJ/MA
 Sample : I3244-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM5-COMP-0-6

Manual Integrations
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mohammad
 5/31/2017 1:03:40 PM

Quant Time: May 29 03:08:44 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	100681	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	382355	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	153247	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	219903	20.00	ng	0.00
75) Chrysene-d12	18.67	240	212007	20.00	ng	0.00
86) Perylene-d12	20.35	264	176083	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	631363	104.55	ng	0.00
7) Phenol-d6	7.28	99	704615	97.25	ng	-0.01
23) Nitrobenzene-d5	8.64	82	429073	70.76	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	114103	90.92	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	753140	70.74	ng	0.00
78) Terphenyl-d14	17.31	244	418788	43.51	ng	-0.01
Target Compounds						
49) Dimethylphthalate	12.24	163	88306	7.02	ng	98
70) Phenanthrene	15.04	178	94455	7.48	ng	99
74) Fluoranthene	16.78	202	137359	10.60	ng	99
77) Pyrene	17.09	202	124187	7.83	ng	97
80) Benzo(a)anthracene	18.66	228	62150	5.04	ng	96
82) Chrysene	18.71	228	64568	5.41	ng	99
85) Indeno(1,2,3-cd)pyrene	21.71	276	26581	2.74	ng	96
87) Benzo(b)fluoranthene	19.95	252	71880	6.61	ng	# 95
88) Benzo(k)fluoranthene	19.98	252	24030m	2.29	ng	
89) Benzo(a)pyrene	20.30	252	50197	5.00	ng	97
91) Benzo(g,h,i)perylene	22.11	276	22299	2.74	ng	# 92

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

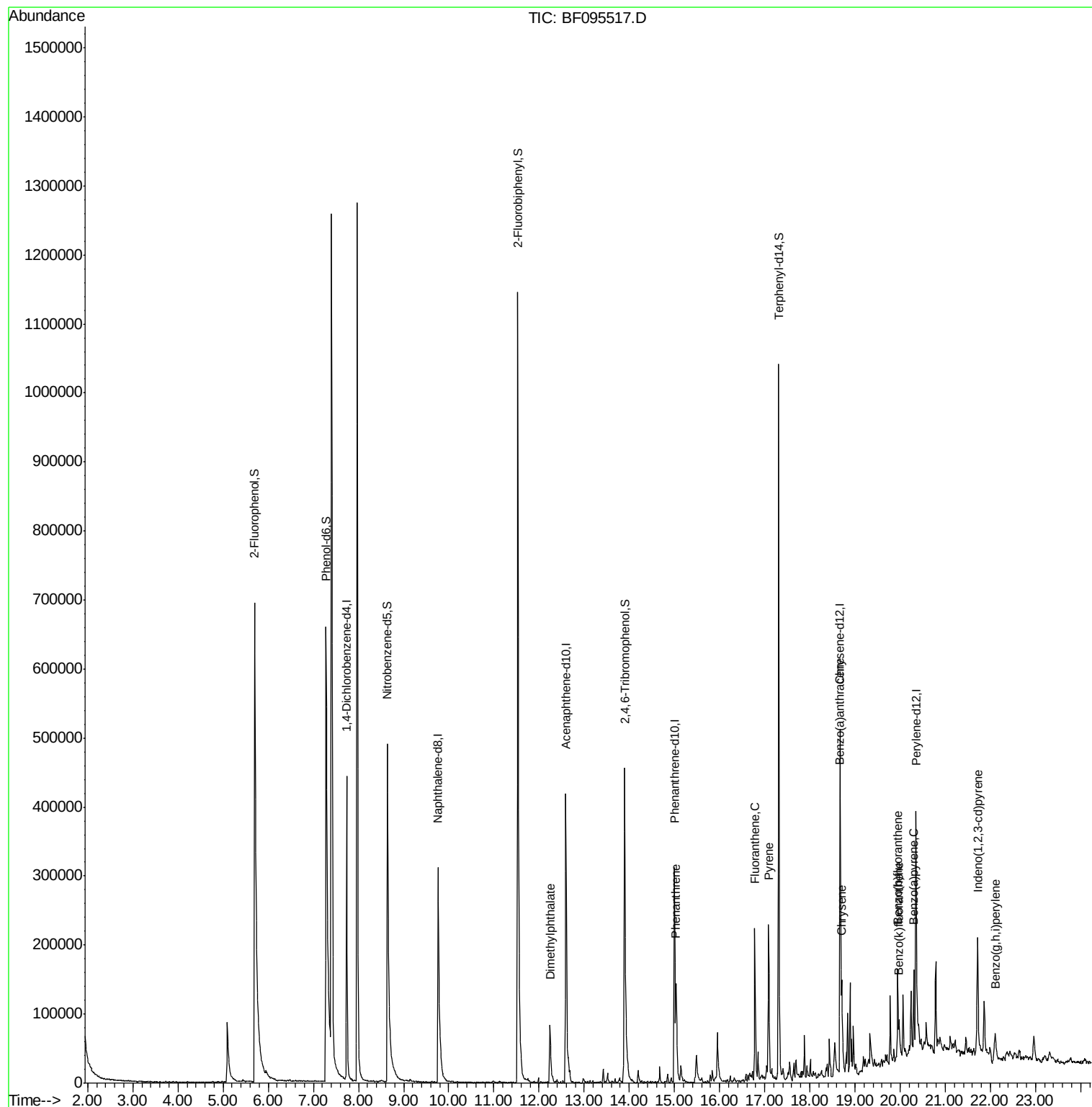
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
Data File : BF095517.D
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Operator : SJ/MA
Sample : I3244-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

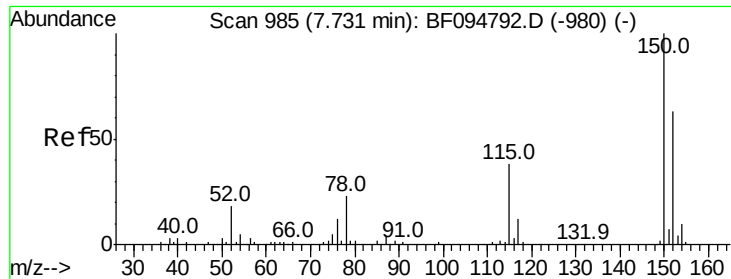
Instrument :
BNA_F
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NM5-COMP-0-6

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Quant Time: May 29 03:08:44 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

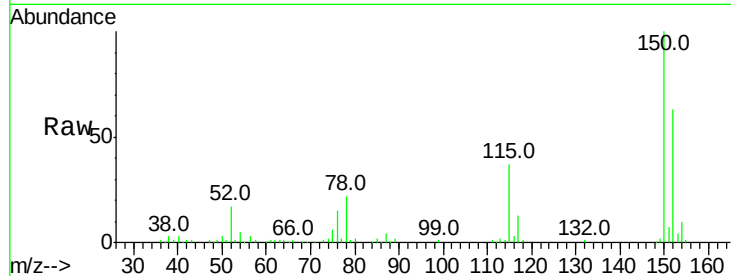
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095517.D
Acq: 28 May 2017 2:06

Instrument :
BNA_F
ClientSampleId :
NM5-COMP-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.2	189.2
115	59.1	52.2	78.2

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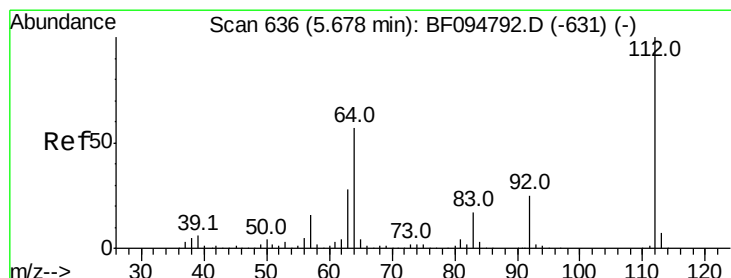
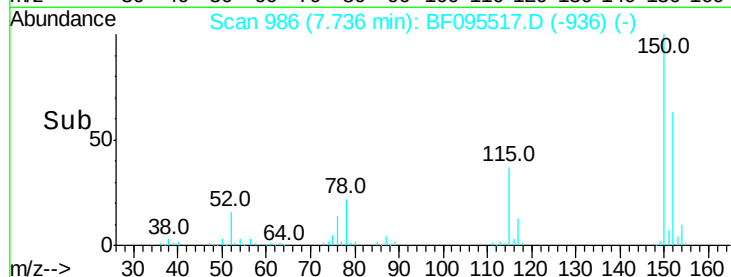
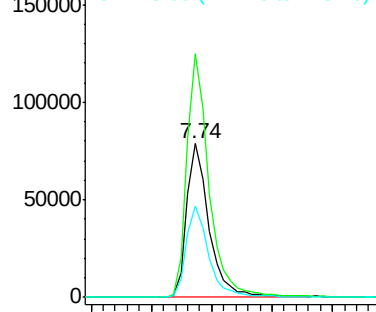


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

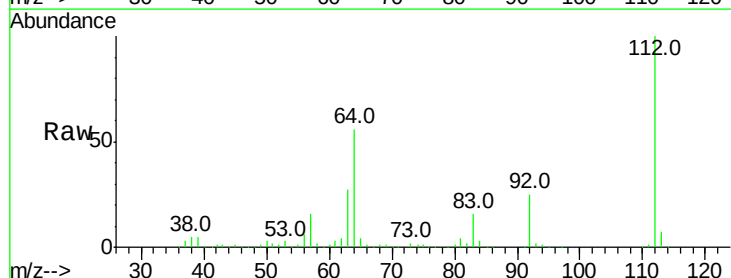
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.55 ng
RT: 5.70 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF095517.D
Acq: 28 May 2017 2:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.0	69.0
63	27.3	23.4	35.0

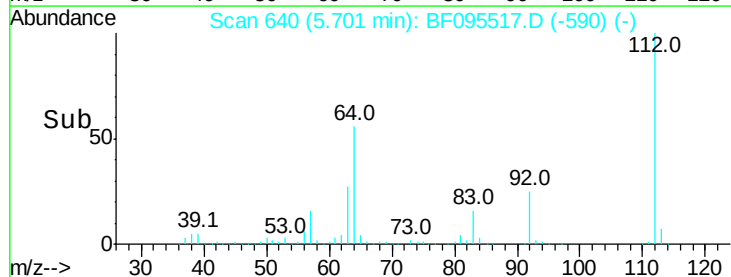
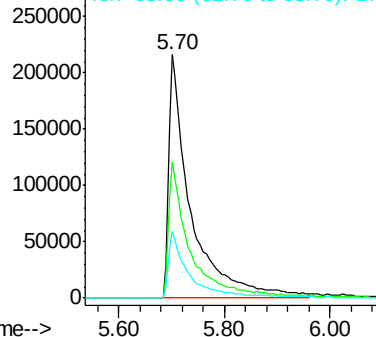


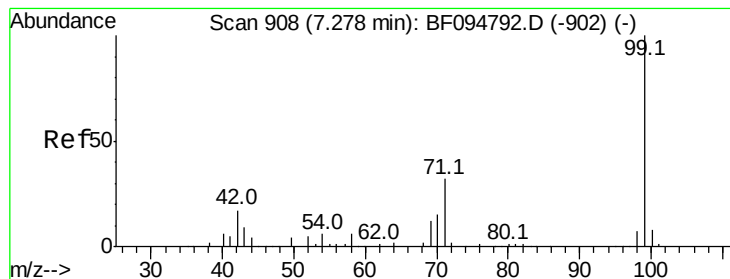
Abundance

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: 97.25 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

Instrument :

BNA_F

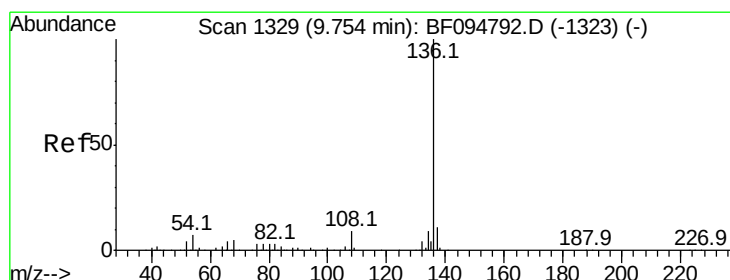
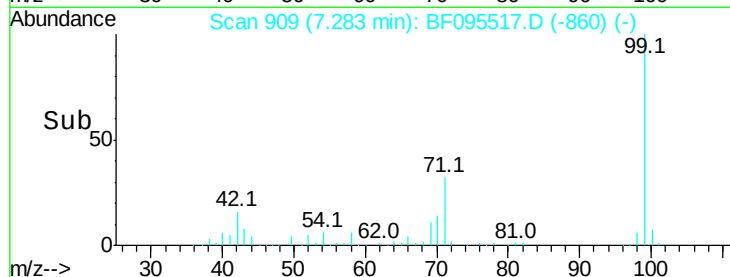
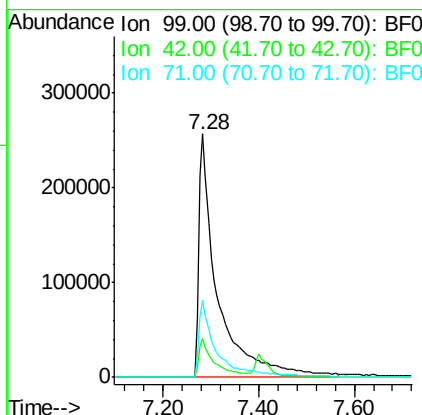
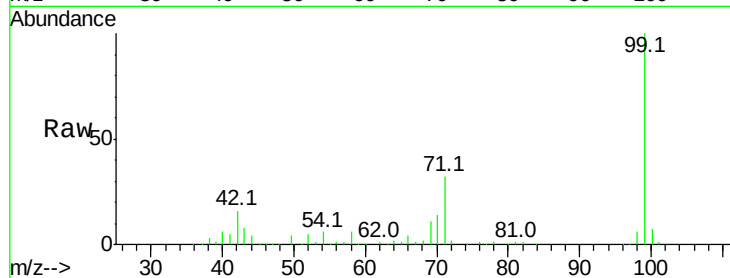
ClientSampleId :

NM5-COMP-0-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		704615		
42	15.8	13.5	20.3		
71	31.6	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

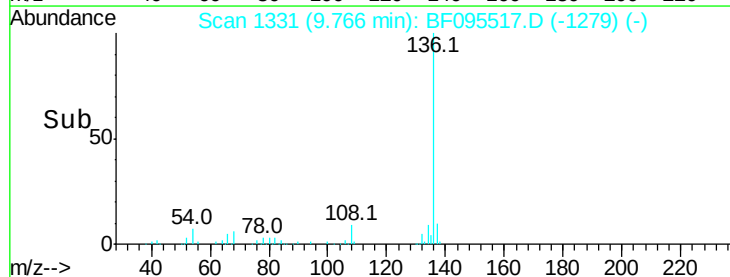
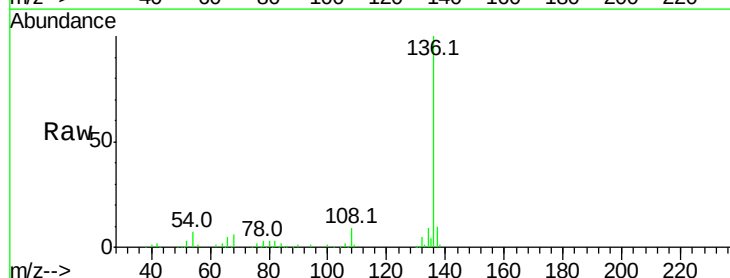
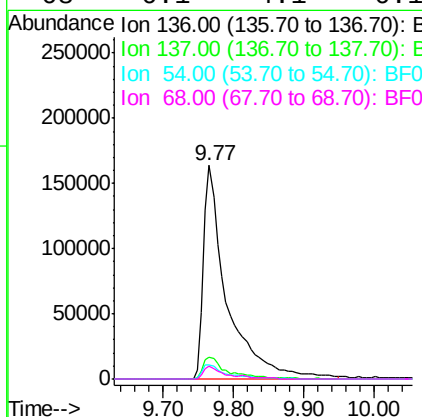
RT: 9.77 min Scan# 1331

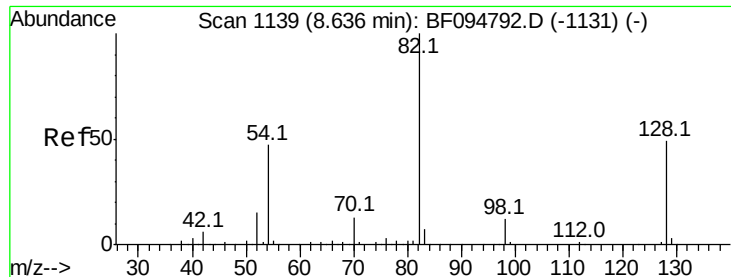
Delta R.T. 0.01 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		382355		
137	10.0	8.5	12.7		
54	6.9	4.9	7.3		
68	6.1	4.1	6.1		





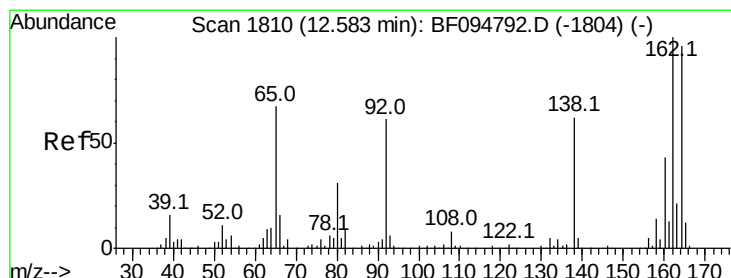
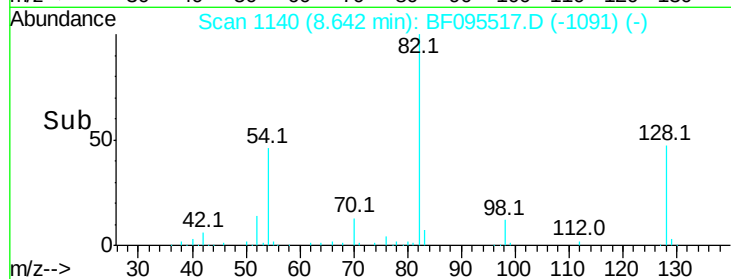
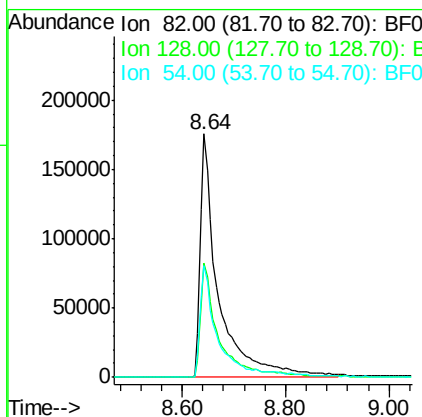
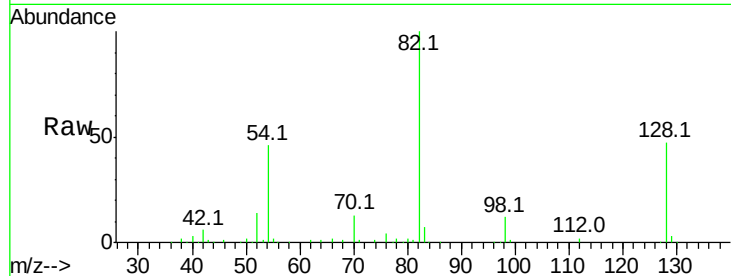
#23
 Nitrobenzene-d5
 Concen: 70.76 ng
 RT: 8.64 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF095517.D
 Acq: 28 May 2017 2:06

Instrument :
 BNA_F
 ClientSampleId :
 NM5-COMP-0-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	34.0	51.0
54	46.2	42.2	63.2

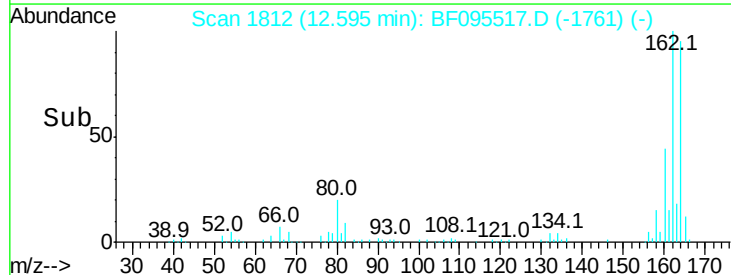
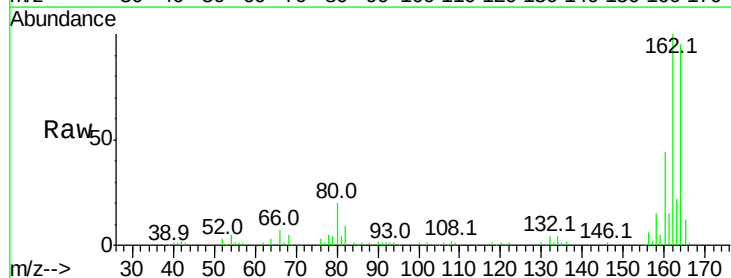
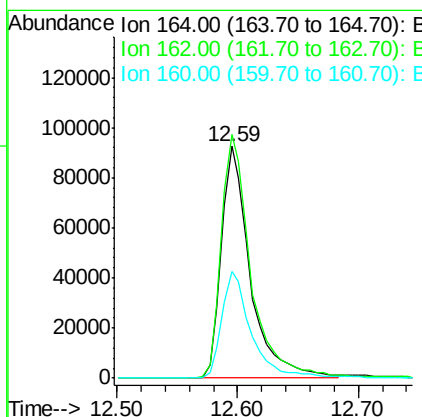
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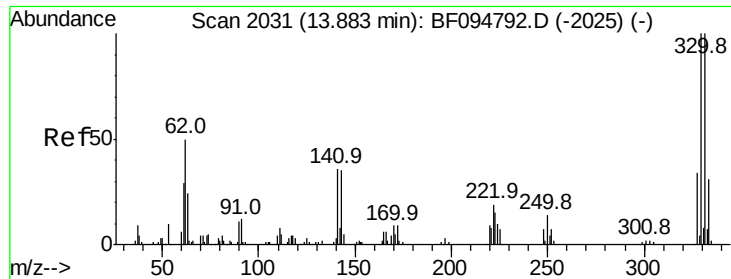
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.59 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: BF095517.D
 Acq: 28 May 2017 2:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	82.6	123.8
160	46.2	36.2	54.2





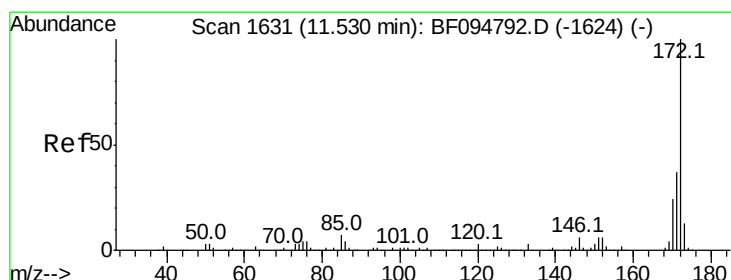
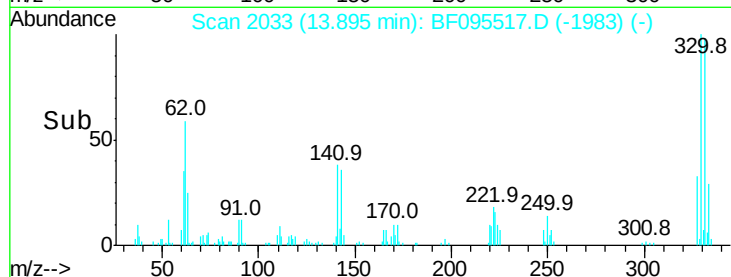
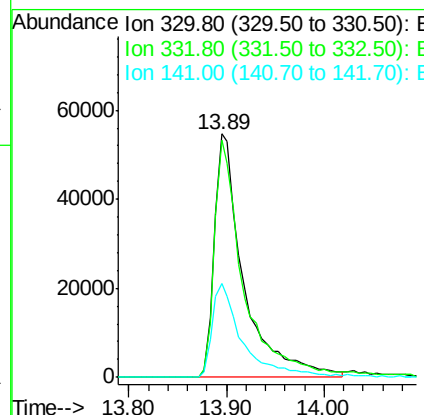
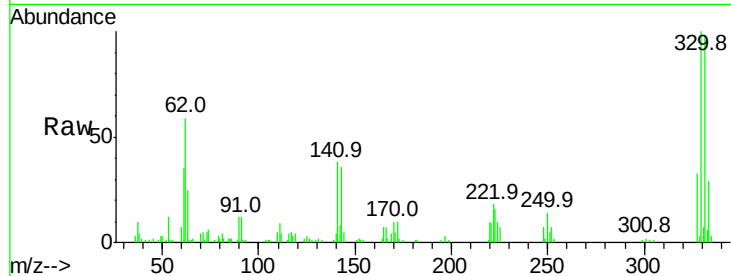
#41
 2,4,6-Tribromophenol
 Concen: 90.92 ng
 RT: 13.89 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF095517.D
 Acq: 28 May 2017 2:06

Instrument :
 BNA_F
 ClientSampled :
 NM5-COMP-0-6

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.5	76.6	115.0	
141	40.7	31.4	47.2	

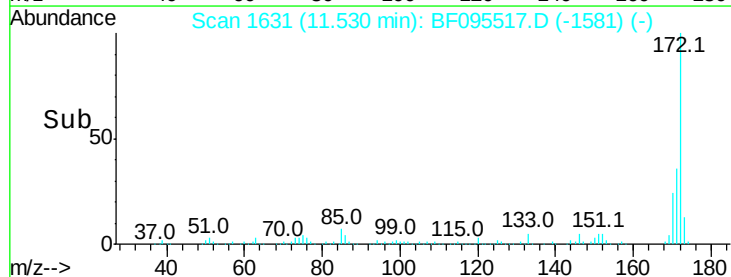
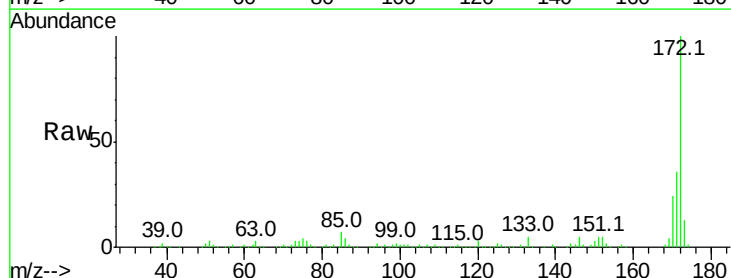
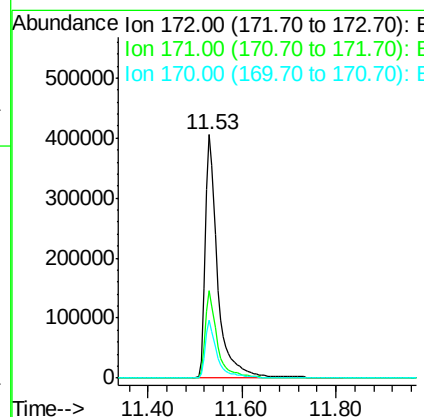
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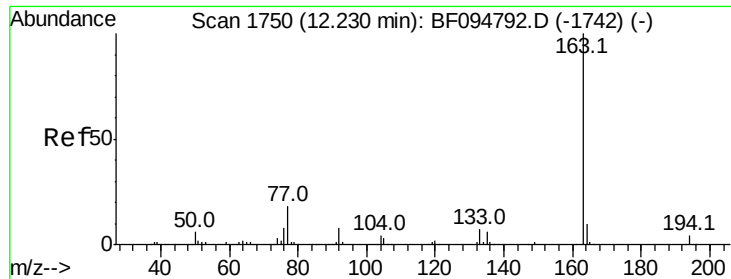
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#44
 2-Fluorobiphenyl
 Concen: 70.74 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095517.D
 Acq: 28 May 2017 2:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.6	44.4	
170	23.9	19.8	29.8	





#49

Dimethylphthalate

Concen: 7.02 ng

RT: 12.24 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

Instrument :

BNA_F

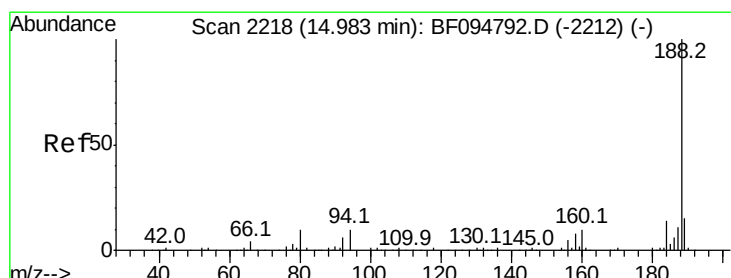
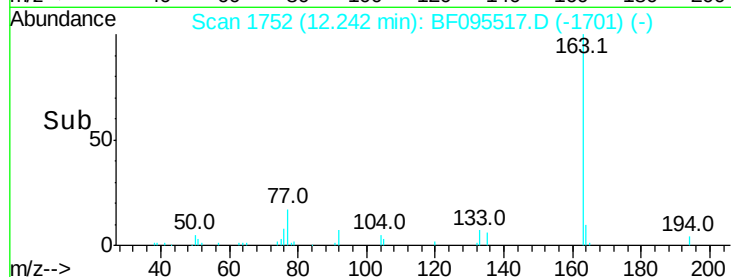
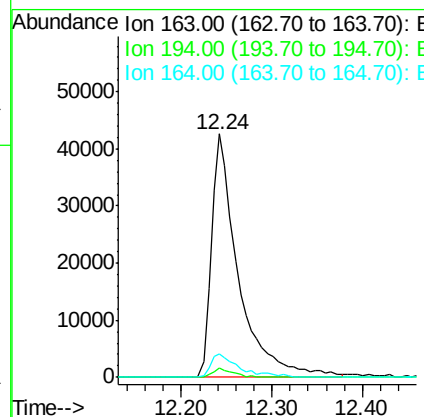
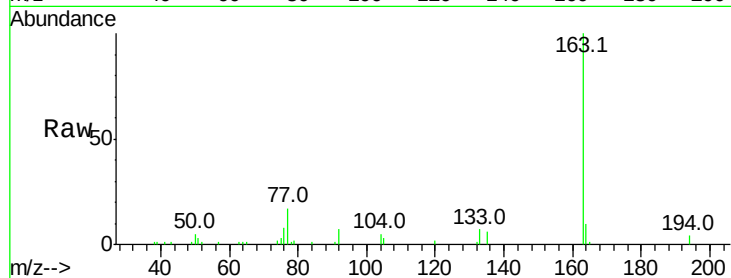
ClientSampleId :

NM5-COMP-0-6

Tot Ion:	163	Resp:	88306
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.6	4.0
164	9.9	8.4	12.6

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

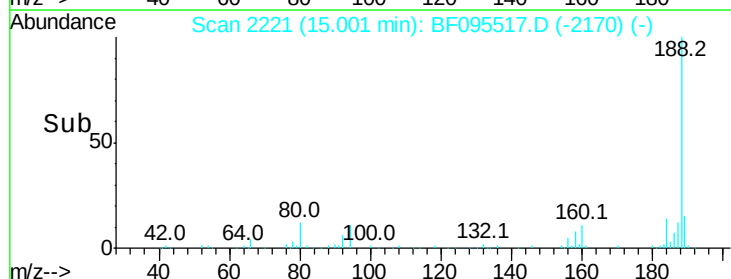
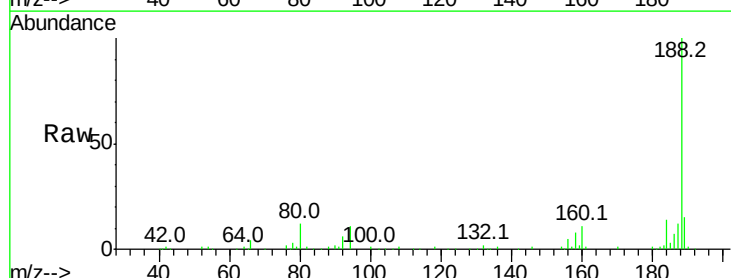
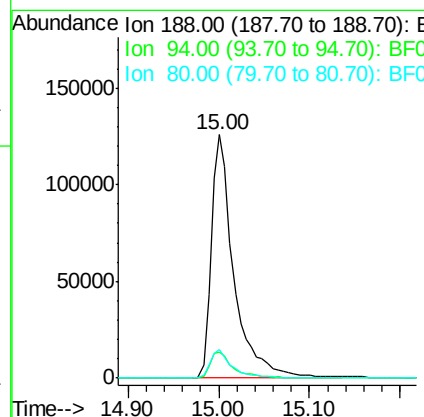
RT: 15.00 min Scan# 2221

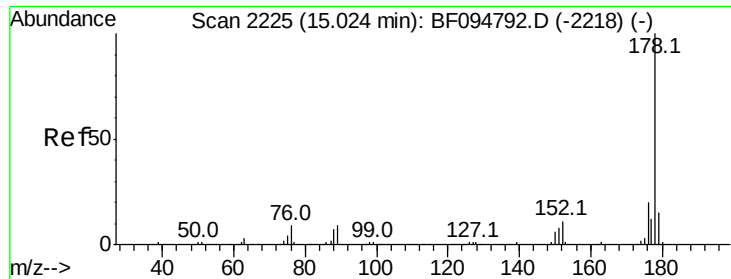
Delta R.T. -0.00 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

Tgt Ion:	188	Resp:	219903
Ion Ratio	Lower	Upper	
188	100		
94	10.5	9.4	14.2
80	11.9	10.2	15.2





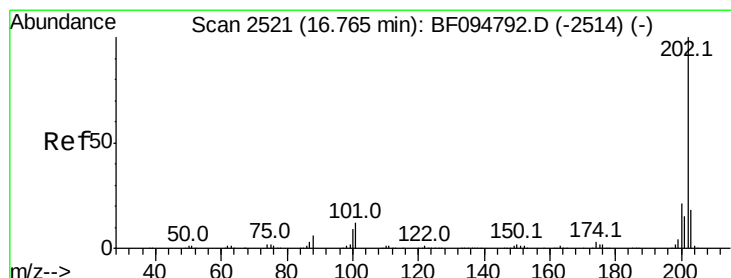
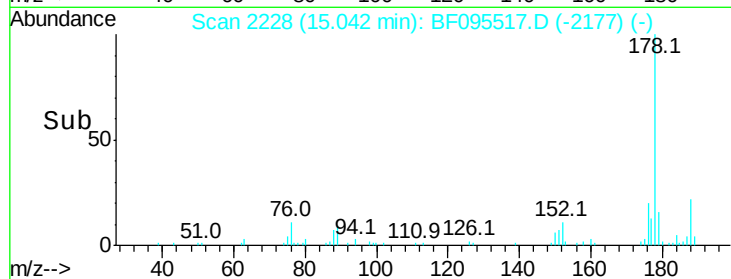
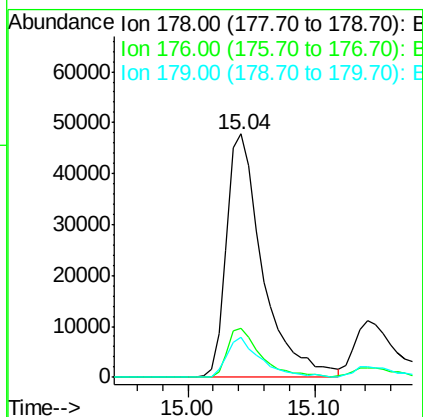
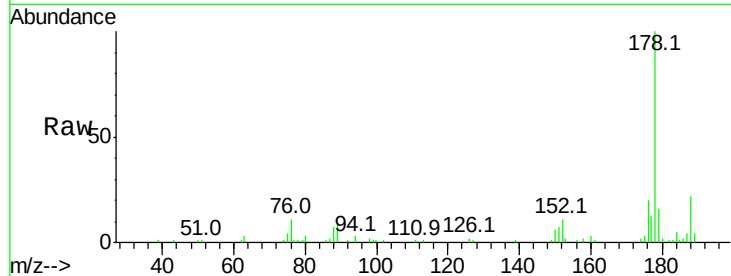
#70
Phenanthrene
Concen: 7.48 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.00 min
Lab File: BF095517.D
Acq: 28 May 2017 2:06

Instrument :
BNA_F
ClientSampleId :
NM5-COMP-0-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.2	24.4
179	16.3	12.6	19.0

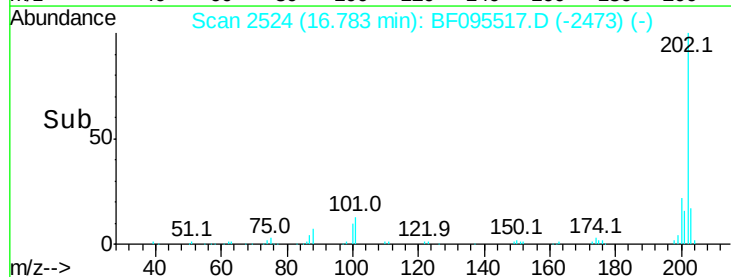
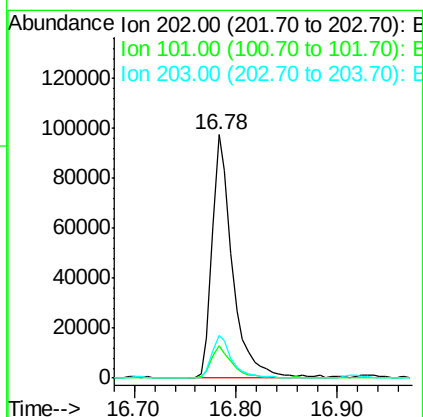
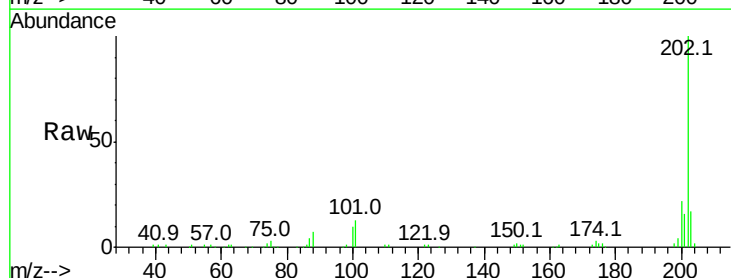
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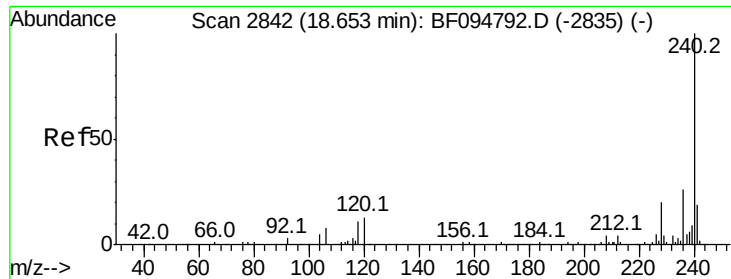
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#74
Fluoranthene
Concen: 10.60 ng
RT: 16.78 min Scan# 2524
Delta R.T. -0.00 min
Lab File: BF095517.D
Acq: 28 May 2017 2:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

Instrument :

BNA_F

ClientSampleId :

NM5-COMP-0-6

Tot Ion:240 Resp: 212007

Ion Ratio Lower Upper

240 100

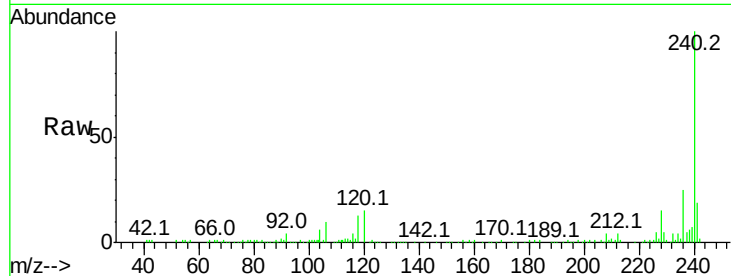
120 14.5 5.8 8.8#

236 24.5 20.5 30.7

Manual Integrations
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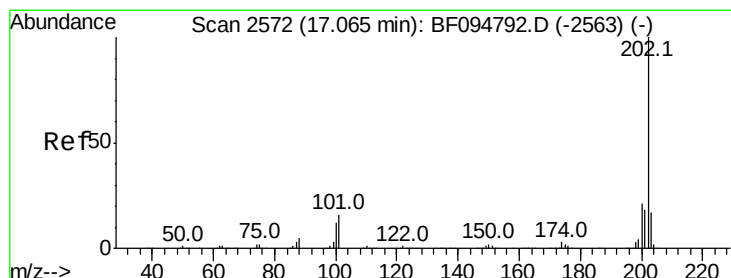
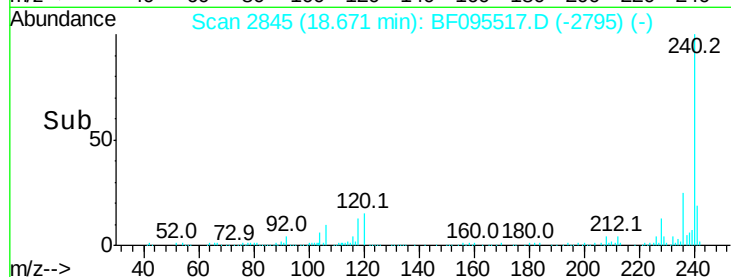
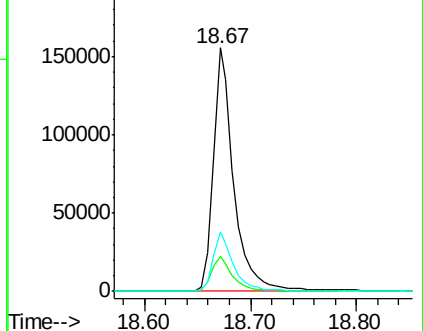
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 7.83 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.00 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

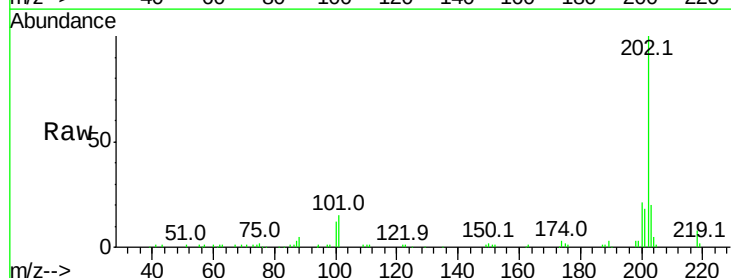
Tgt Ion:202 Resp: 124187

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

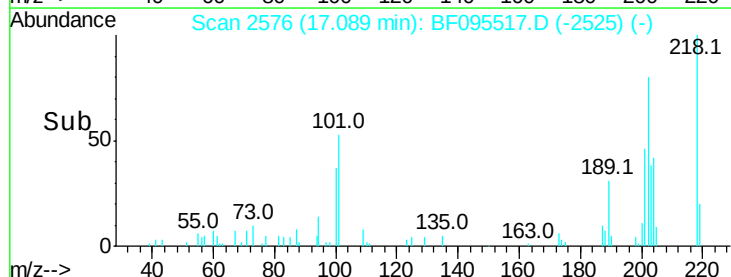
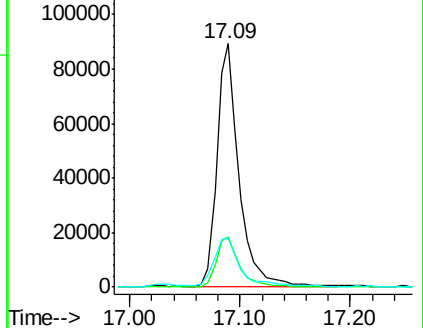
203 19.9 14.4 21.6

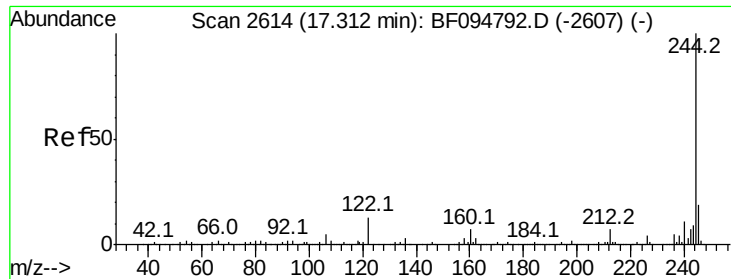


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





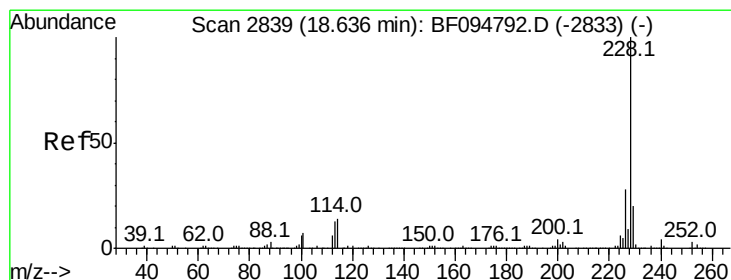
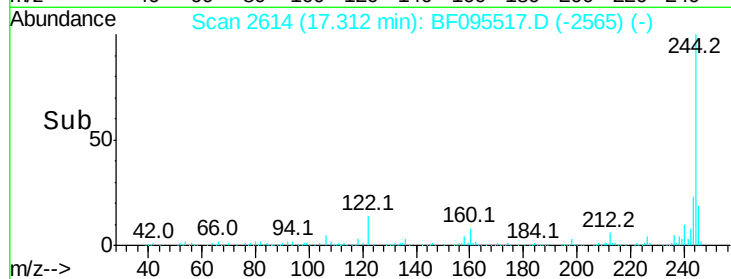
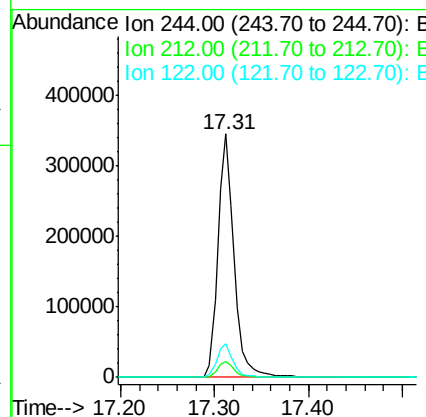
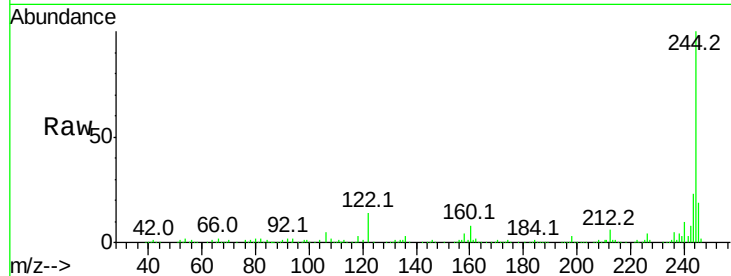
#78
 Terphenyl-d14
 Concen: 43.51 ng
 RT: 17.31 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF095517.D
 Acq: 28 May 2017 2:06

Instrument :
 BNA_F
 ClientSampleId :
 NM5-COMP-0-6

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	13.6	10.3	15.5

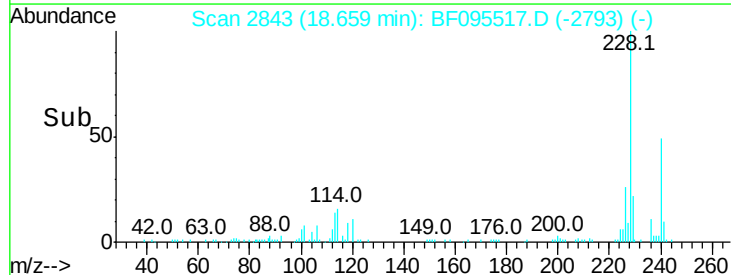
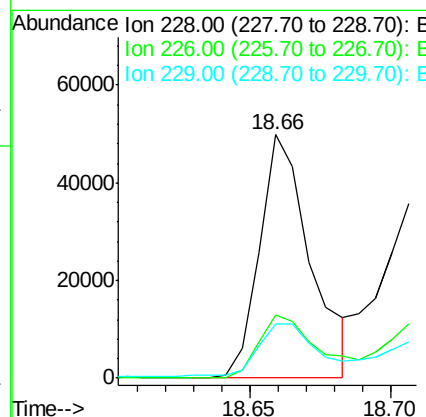
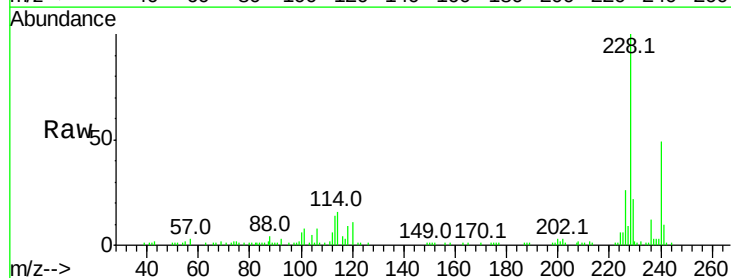
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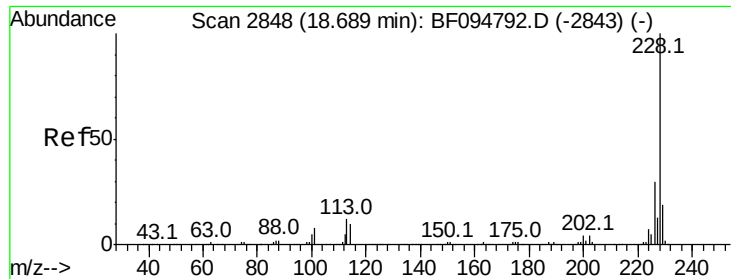
mohammad
 5/31/2017 1:03:40 PM



#80
 Benzo(a)anthracene
 Concen: 5.04 ng
 RT: 18.66 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BF095517.D
 Acq: 28 May 2017 2:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.0	22.6	33.8
229	22.0	16.3	24.5





#82

Chrysene

Concen: 5.41 ng

RT: 18.71 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

Instrument :

BNA_F

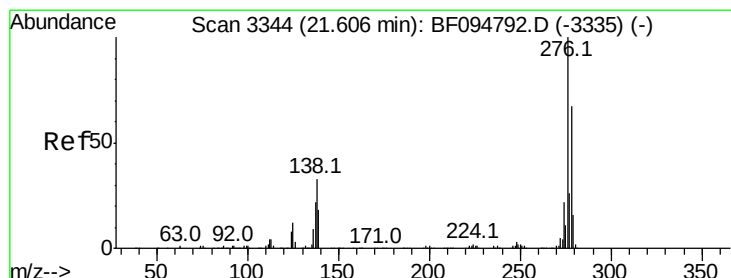
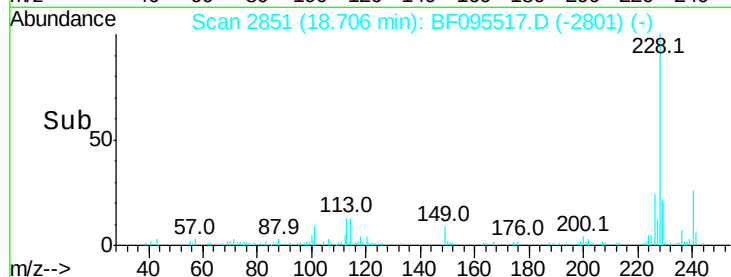
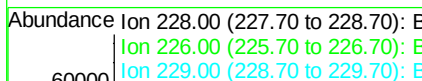
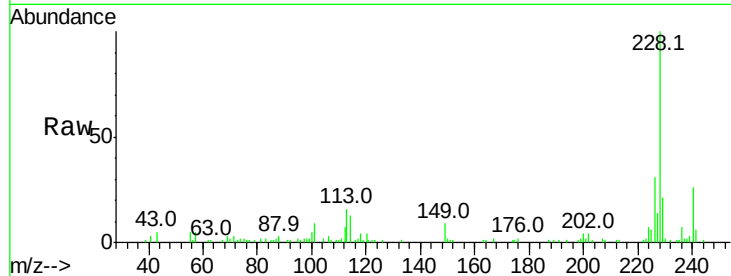
ClientSampleId :

NM5-COMP-0-6

Tot Ion:	228	Resp:	64568
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.9	37.3
229	20.5	15.8	23.6

Manual Integrations
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mohammad
5/31/2017 1:03:40 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.74 ng

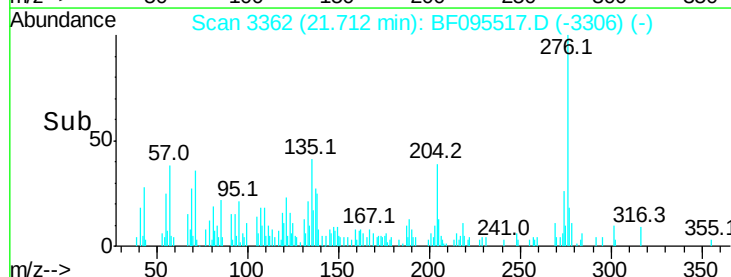
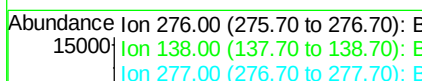
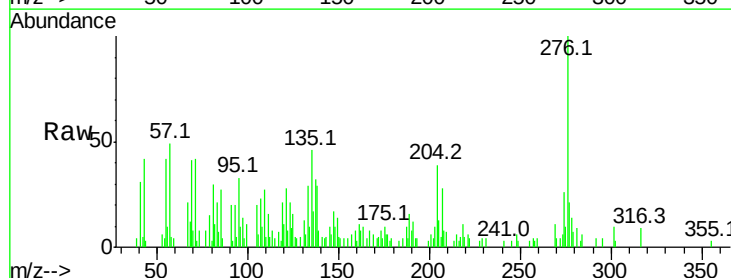
RT: 21.71 min Scan# 3362

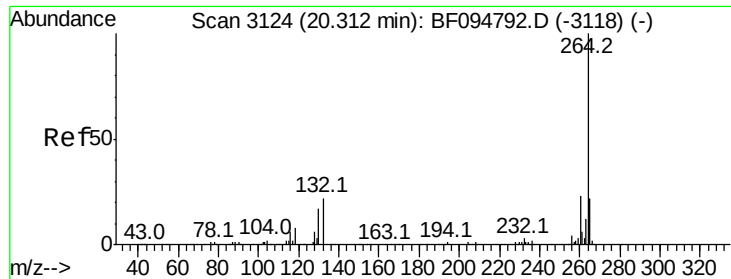
Delta R.T. 0.03 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

Tgt Ion:	276	Resp:	26581
Ion Ratio	Lower	Upper	
276	100		
138	38.6	27.8	41.6
277	24.8	20.2	30.4





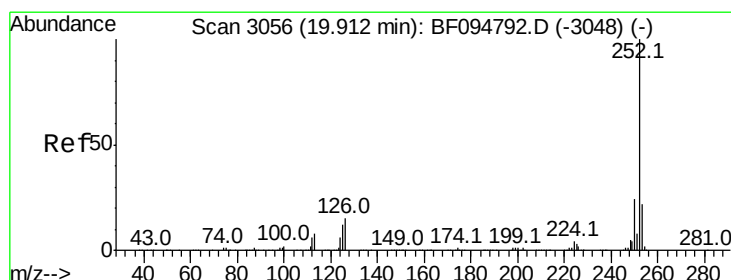
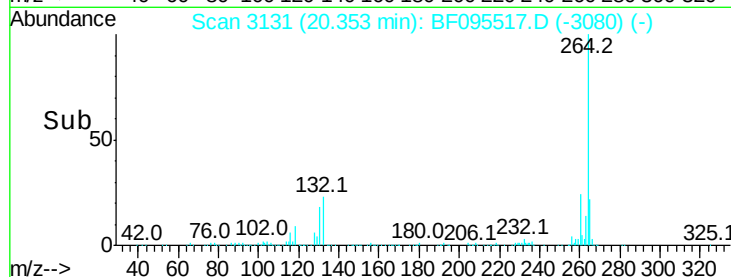
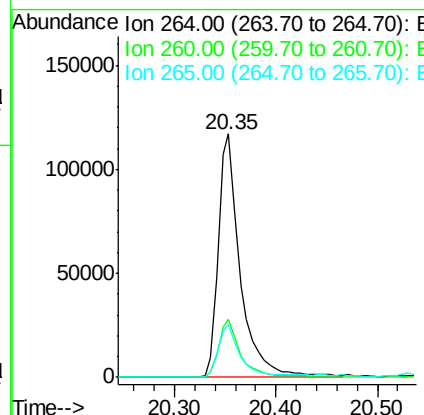
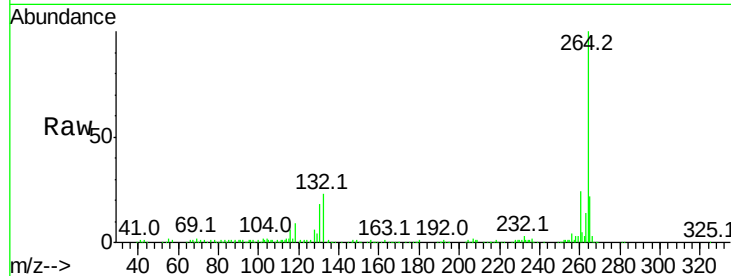
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BF095517.D
Acq: 28 May 2017 2:06

Instrument :
BNA_F
ClientSampleId :
NM5-COMP-0-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.7	17.2	25.8

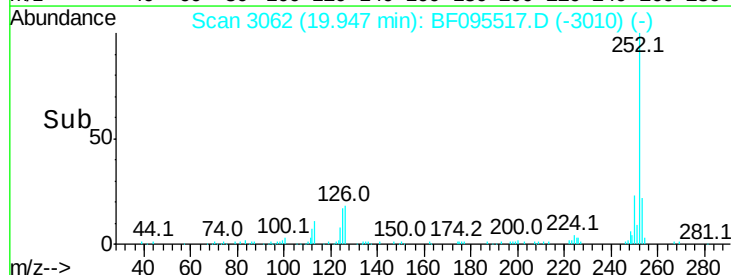
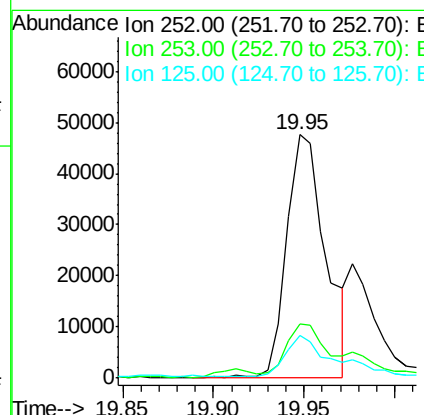
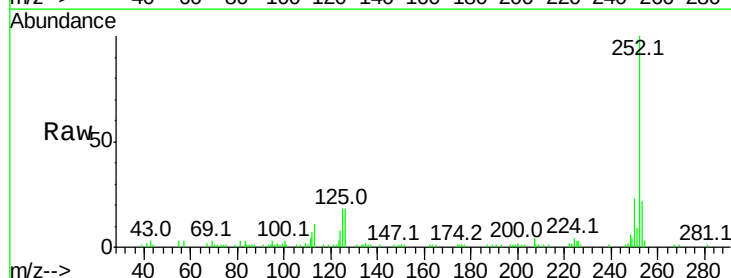
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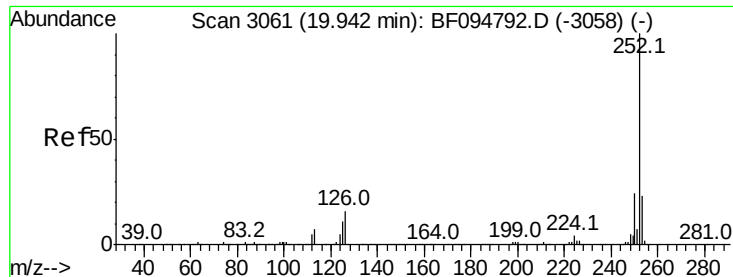
mohammad
5/31/2017 1:03:40 PM



#87
Benzo(b)fluoranthene
Concen: 6.61 ng
RT: 19.95 min Scan# 3062
Delta R.T. 0.01 min
Lab File: BF095517.D
Acq: 28 May 2017 2:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	17.6	9.8	14.8#





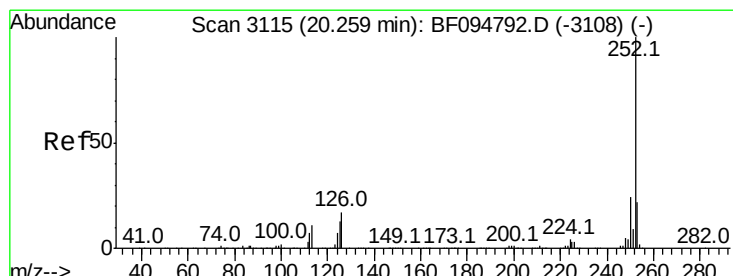
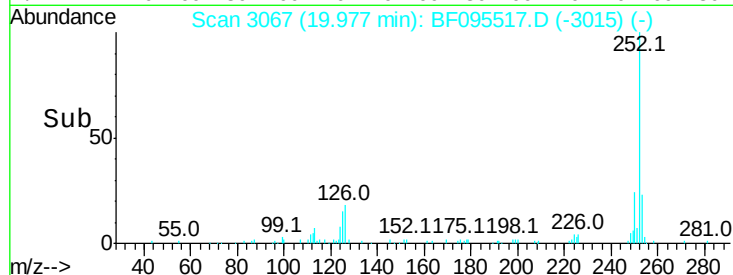
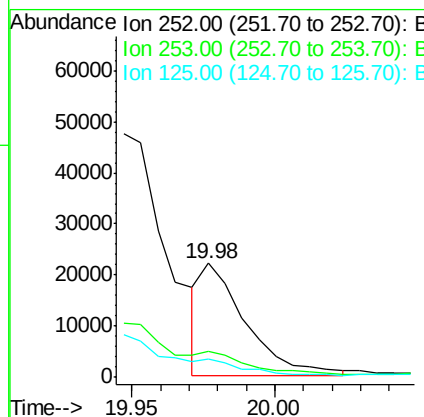
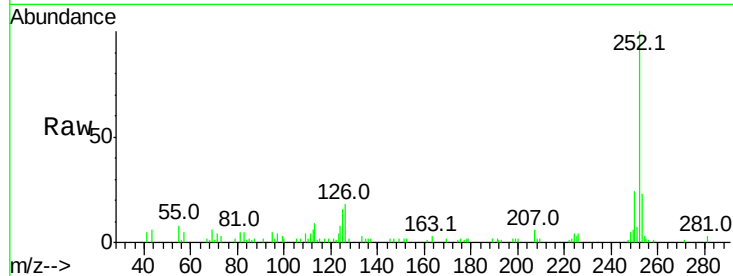
#88
Benzo(k)fluoranthene
Concen: 2.29 ng
RT: 19.98 min Scan# 3067
Delta R.T. 0.01 min
Lab File: BF095517.D
Acq: 28 May 2017 2:06

Instrument :
BNA_F
ClientSampleId :
NM5-COMP-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	16.3	13.1	19.7

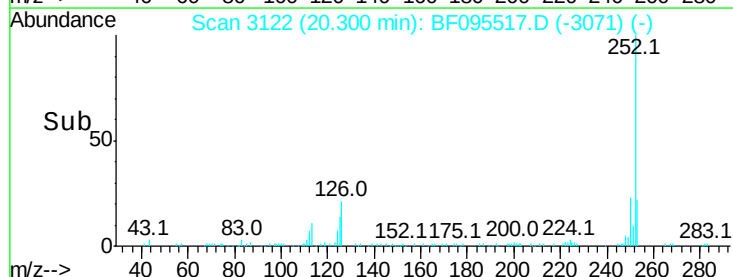
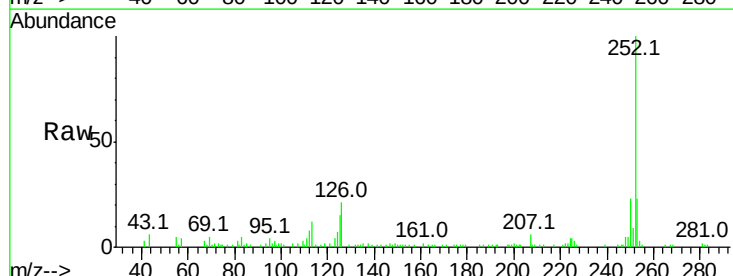
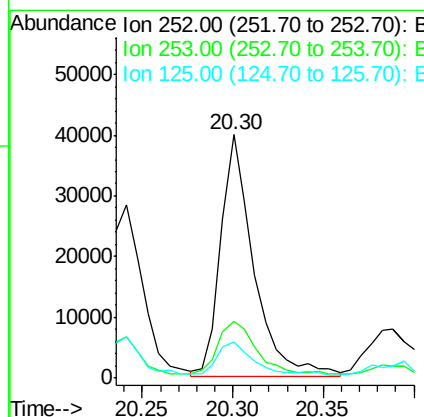
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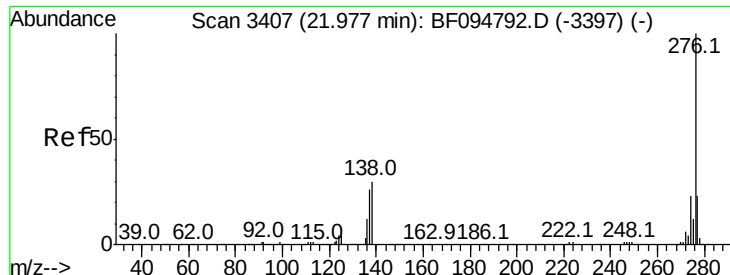
mohammad
5/31/2017 1:03:40 PM



#89
Benzo(a)pyrene
Concen: 5.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BF095517.D
Acq: 28 May 2017 2:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	14.9	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 2.74 ng

RT: 22.11 min Scan# 3429

Delta R.T. 0.04 min

Lab File: BF095517.D

Acq: 28 May 2017 2:06

Instrument :

BNA_F

ClientSampleId :

NM5-COMP-0-6

Tot Ion: 276 Resp: 22299

Ion Ratio Lower Upper

276 100

277 31.4 18.6 28.0#

138 32.8 25.4 38.0

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