

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095141.D
 Acq On : 15 May 2017 23:32
 Operator : SJ/MA
 Sample : I3140-07 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BERM-2-2

Manual Integrations
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 5/17/2017 2:20:29 PM

Quant Time: May 16 14:30:52 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	74258	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	298895	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	127507	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	189346	20.00	ng	0.05
75) Chrysene-d12	18.70	240	164005	20.00	ng	0.05
86) Perylene-d12	20.38	264	157031	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	66986m	15.04	ng	0.12
7) Phenol-d6	7.35	99	72916	13.64	ng	0.08
23) Nitrobenzene-d5	8.70	82	38485	8.12	ng	0.06
41) 2,4,6-Tribromophenol	13.94	330	11782	11.28	ng	0.05
44) 2-Fluorobiphenyl	11.57	172	90180	10.18	ng	0.04
78) Terphenyl-d14	17.35	244	54541	7.32	ng	0.04
Target Compounds						Qvalue
51) Acenaphthene	12.68	154	25612	3.16	ng	96
57) Fluorene	13.53	166	26912	2.76	ng	99
70) Phenanthrene	15.07	178	359324	33.03	ng	97
71) Anthracene	15.15	178	131369	11.82	ng	96
72) Carbazole	15.45	167	38552	3.81	ng	# 96
74) Fluoranthene	16.81	202	814407	72.98	ng	98
77) Pyrene	17.11	202	741950	60.49	ng	97
80) Benzo(a)anthracene	18.69	228	474493	49.71	ng	99
82) Chrysene	18.74	228	482712	52.30	ng	98
83) Bis(2-ethylhexyl)phthalate	18.75	149	21173	2.60	ng	# 98
85) Indeno(1,2,3-cd)pyrene	21.71	276	163146	21.77	ng	92
87) Benzo(b)fluoranthene	19.97	252	548020m	56.48	ng	
88) Benzo(k)fluoranthene	19.99	252	202770m	21.66	ng	
89) Benzo(a)pyrene	20.32	252	364301	40.69	ng	97
90) Dibenzo(a,h)anthracene	21.71	278	37475m	5.07	ng	
91) Benzo(g,h,i)perylene	22.09	276	153978	21.22	ng	98

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

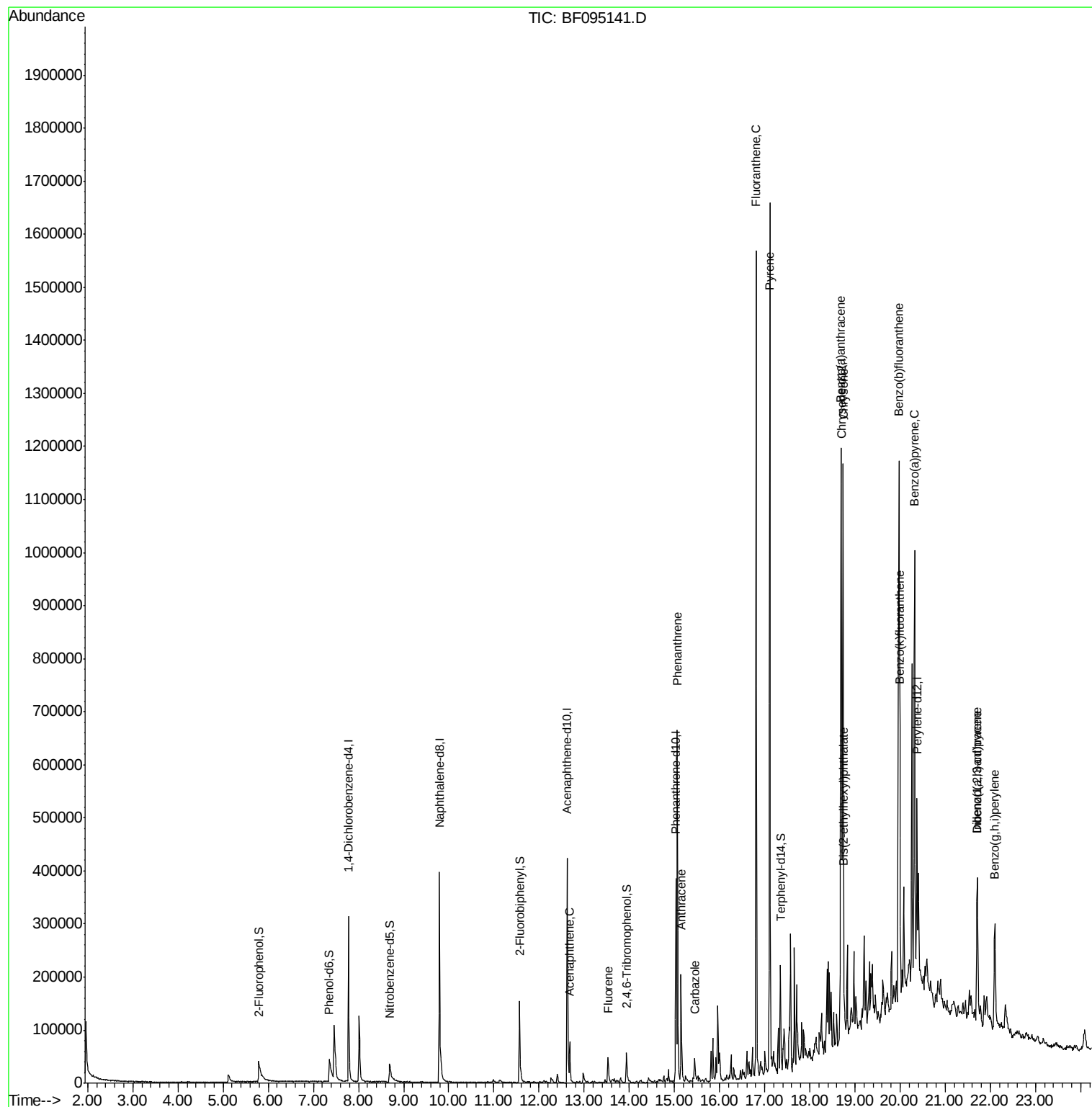
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
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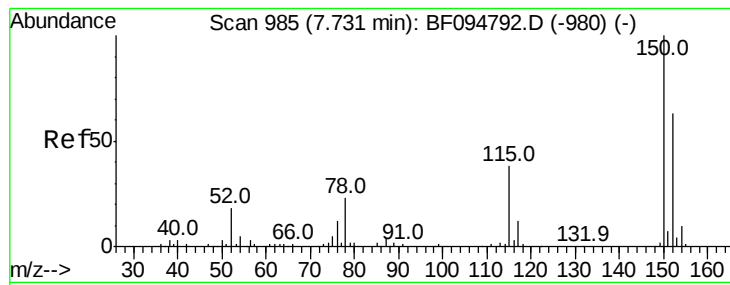
Instrument :
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#1

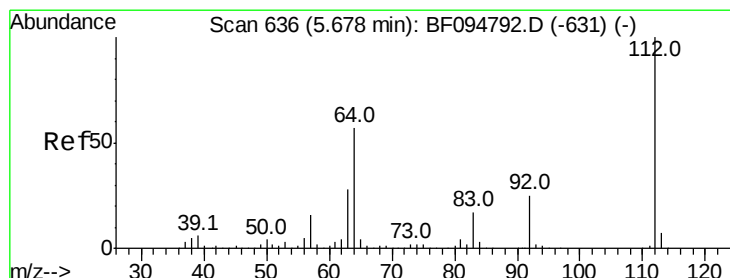
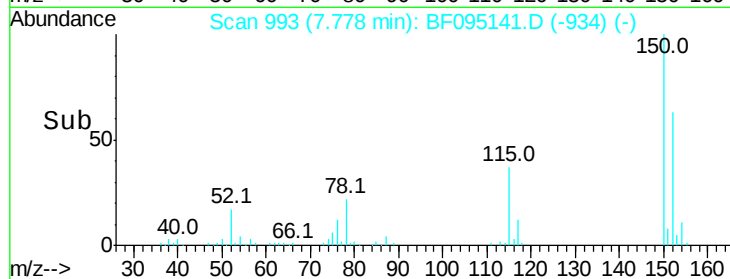
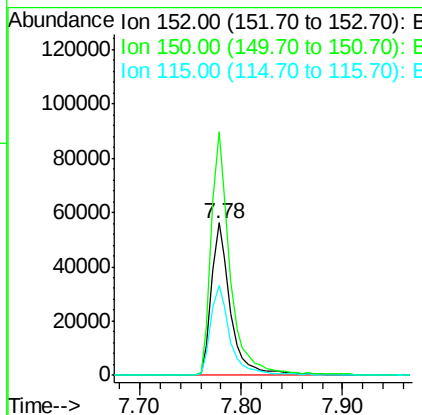
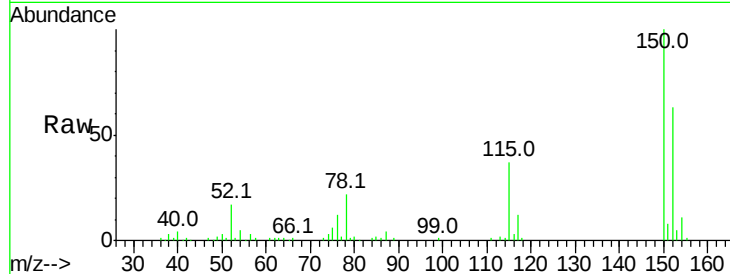
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095141.D
Acq: 15 May 2017 23:32

Instrument :
BNA_F
ClientSampleId :
BERM-2-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	126.2	189.2
115	59.0	52.2	78.2

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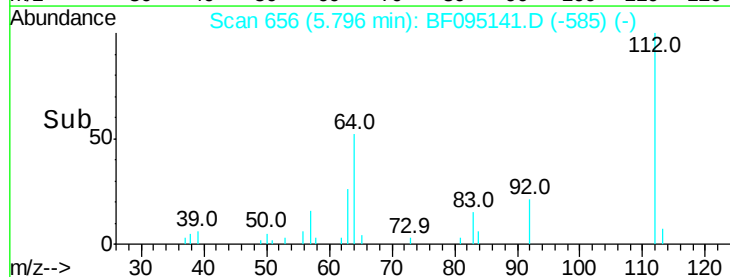
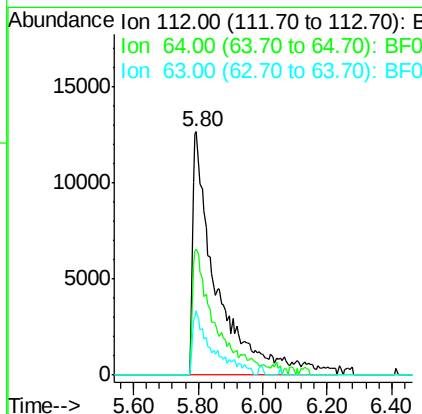
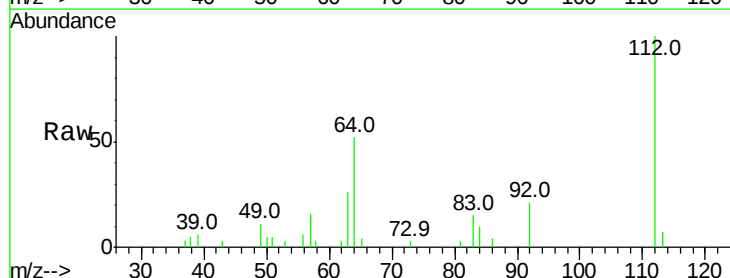
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#5

2-Fluorophenol
Concen: 15.04 ng m
RT: 5.80 min Scan# 656
Delta R.T. 0.12 min
Lab File: BF095141.D
Acq: 15 May 2017 23:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.6	46.0	69.0
63	26.3	23.4	35.0





#7

Phenol-d6

Concen: 13.64 ng

RT: 7.35 min Scan# 921

Delta R.T. 0.08 min

Lab File: BF095141.D

Acq: 15 May 2017 23:32

Instrument :

BNA_F

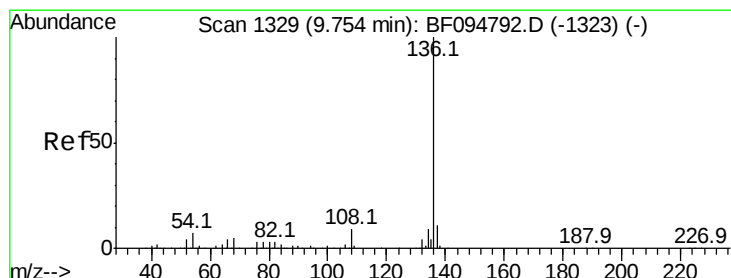
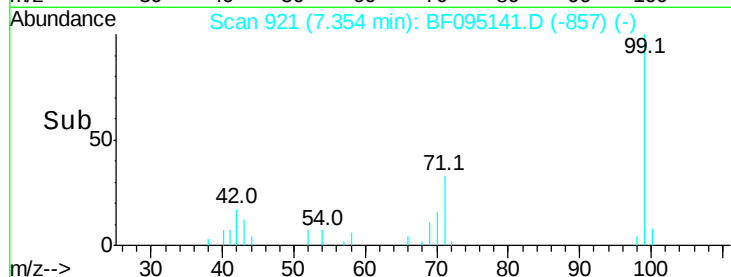
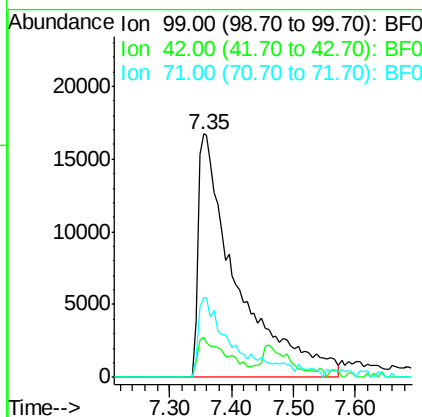
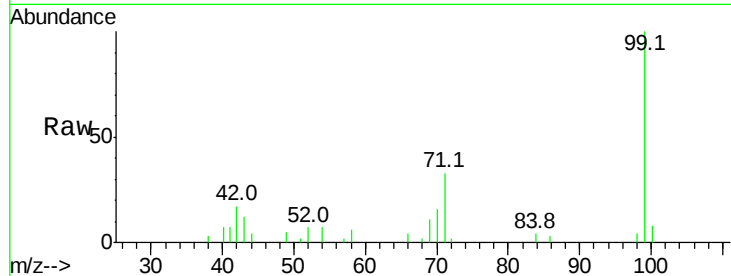
ClientSampleId :

BERM-2-2

Tot Ion:	99	Resp:	72916
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.5	20.3
71	32.9	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

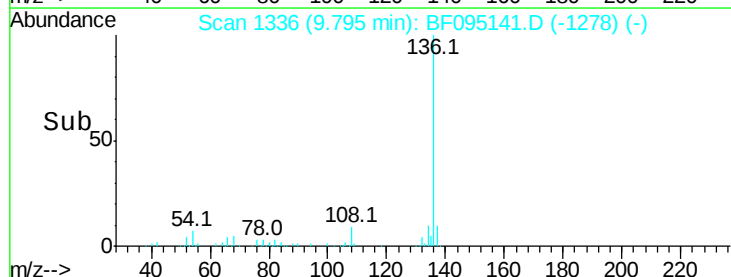
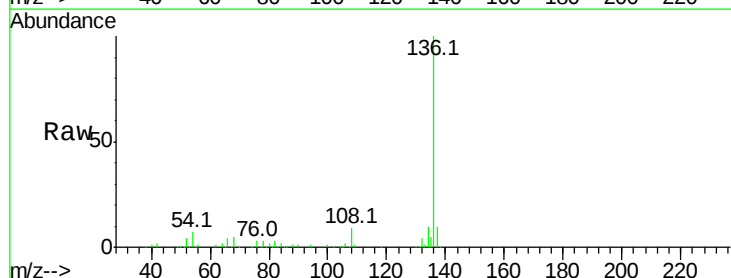
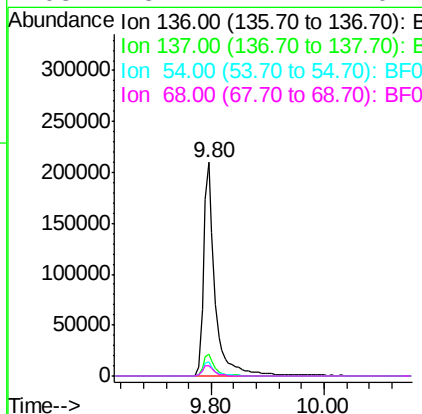
RT: 9.80 min Scan# 1336

Delta R.T. 0.04 min

Lab File: BF095141.D

Acq: 15 May 2017 23:32

Tgt Ion:	136	Resp:	298895
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.5	12.7
54	6.7	4.9	7.3
68	5.1	4.1	6.1





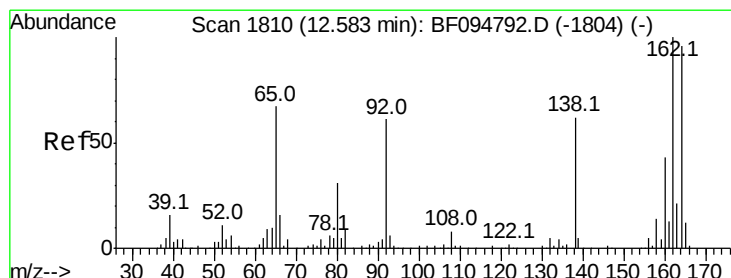
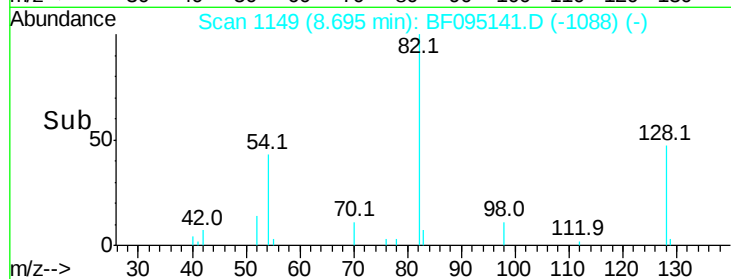
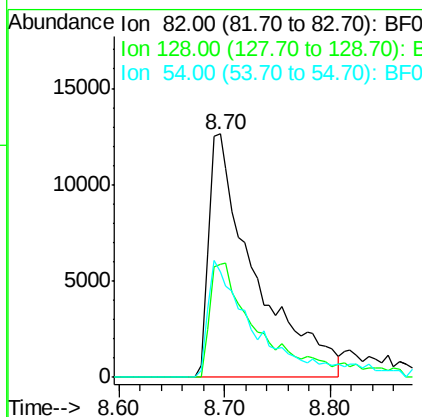
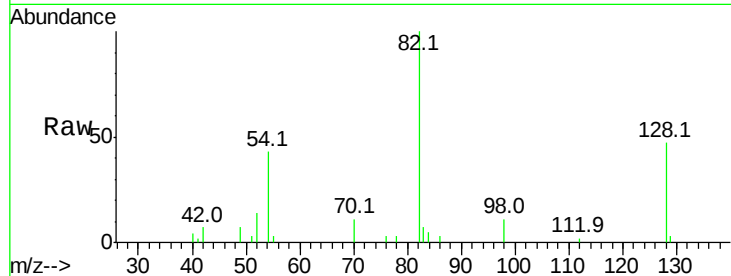
#23
Nitrobenzene-d5
Concen: 8.12 ng
RT: 8.70 min Scan# 1149
Delta R.T. 0.06 min
Lab File: BF095141.D
Acq: 15 May 2017 23:32

Instrument :
BNA_F
ClientSampleId :
BERM-2-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	34.0	51.0
54	43.2	42.2	63.2

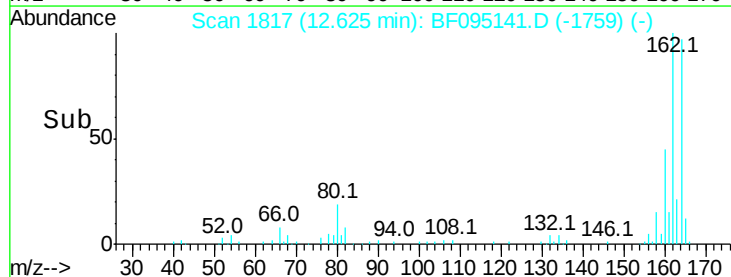
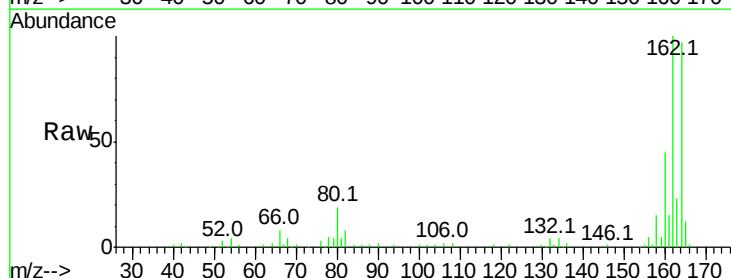
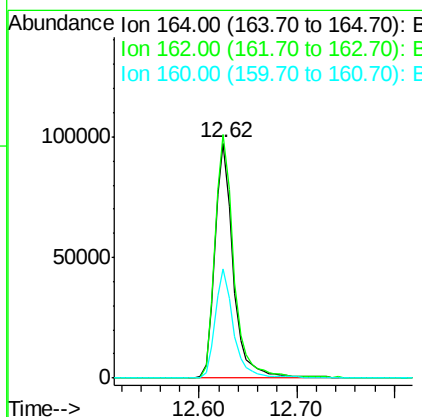
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.62 min Scan# 1817
Delta R.T. 0.04 min
Lab File: BF095141.D
Acq: 15 May 2017 23:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.6	123.8
160	46.2	36.2	54.2





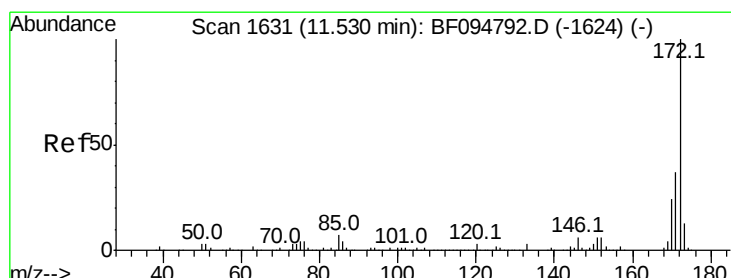
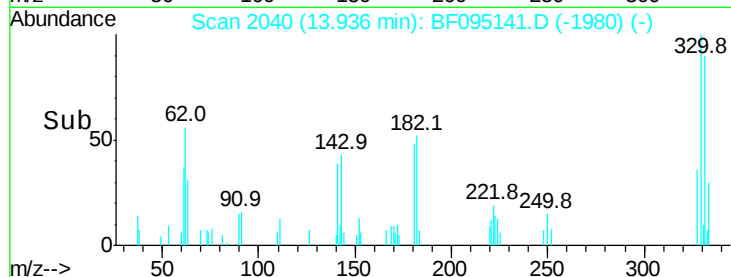
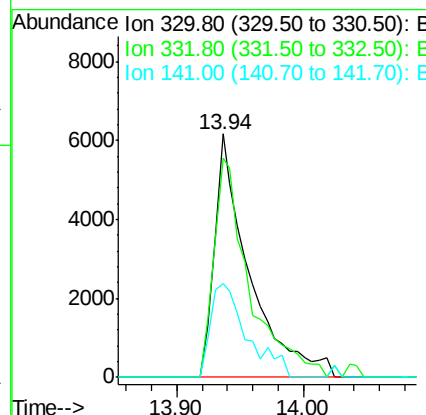
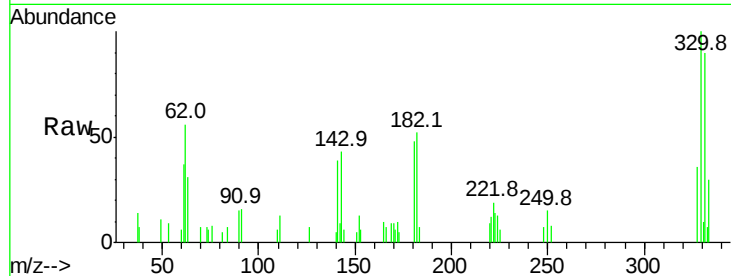
#41
 2,4,6-Tribromophenol
 Concen: 11.28 ng
 RT: 13.94 min Scan# 2040
 Delta R.T. 0.05 min
 Lab File: BF095141.D
 Acq: 15 May 2017 23:32

Instrument :
 BNA_F
 ClientSampleId :
 BERM-2-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.4	76.6	115.0
141	40.5	31.4	47.2

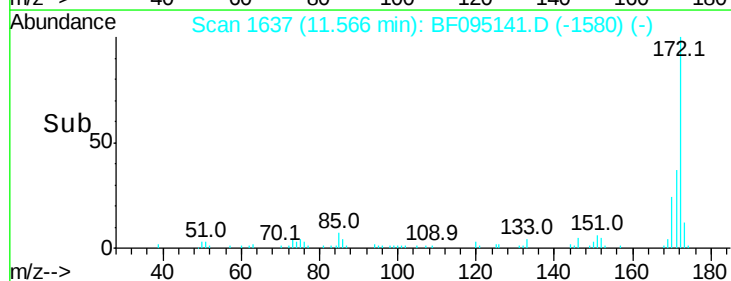
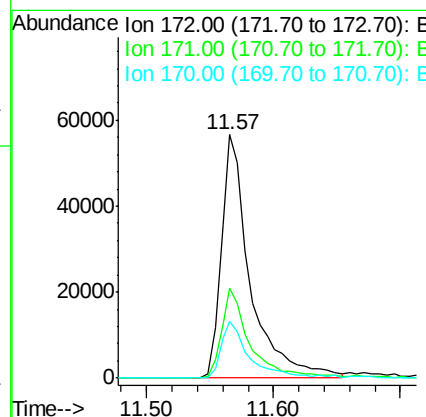
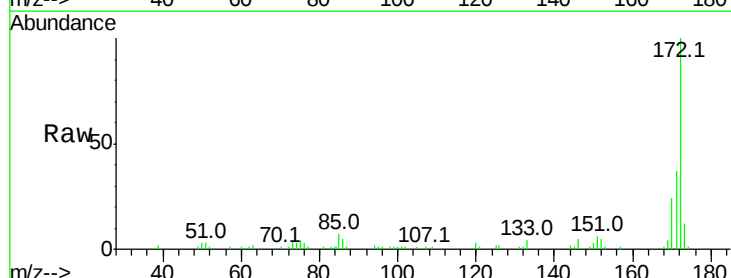
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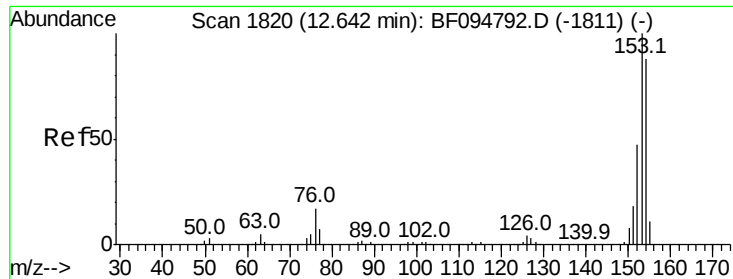
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#44
 2-Fluorobiphenyl
 Concen: 10.18 ng
 RT: 11.57 min Scan# 1637
 Delta R.T. 0.04 min
 Lab File: BF095141.D
 Acq: 15 May 2017 23:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.6	44.4
170	23.6	19.8	29.8





#51

Acenaphthene

Concen: 3.16 ng

RT: 12.68 min Scan# 1826

Delta R.T. 0.04 min

Lab File: BF095141.D

Acq: 15 May 2017 23:32

Instrument :

BNA_F

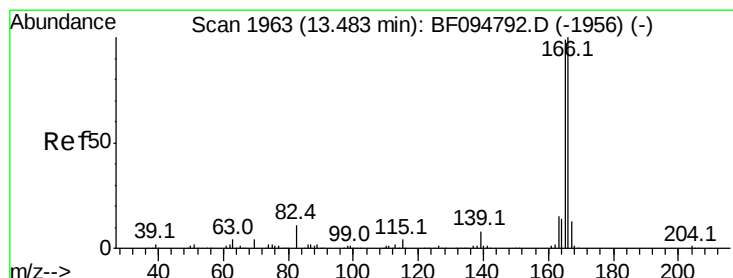
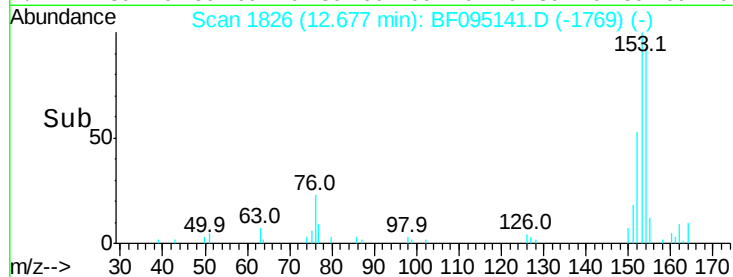
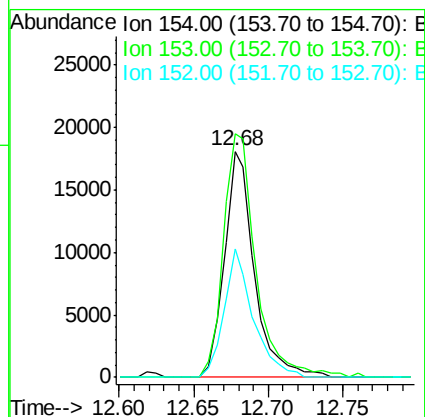
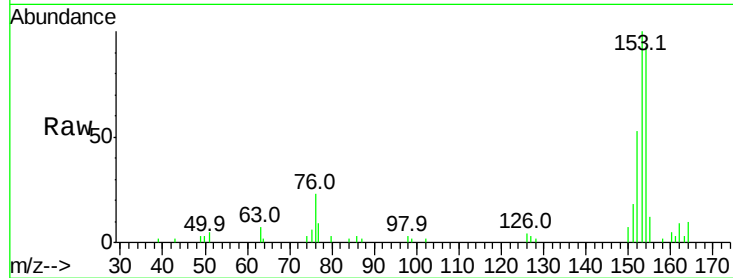
ClientSampled :

BERM-2-2

Tot Ion:	154	Resp:	25612
Ion Ratio	Lower	Upper	
154	100		
153	107.7	90.5	135.7
152	57.0	43.6	65.4

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#57

Fluorene

Concen: 2.76 ng

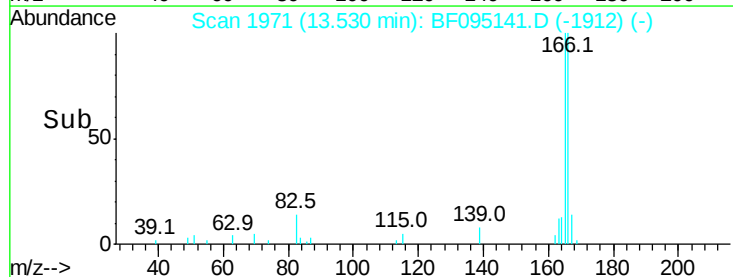
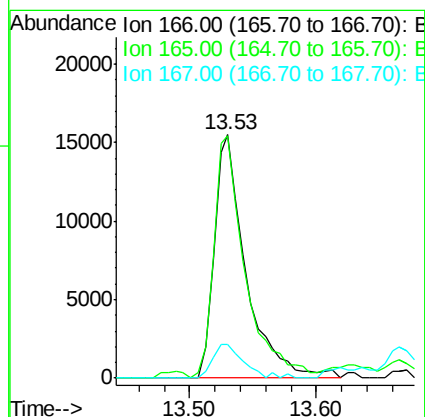
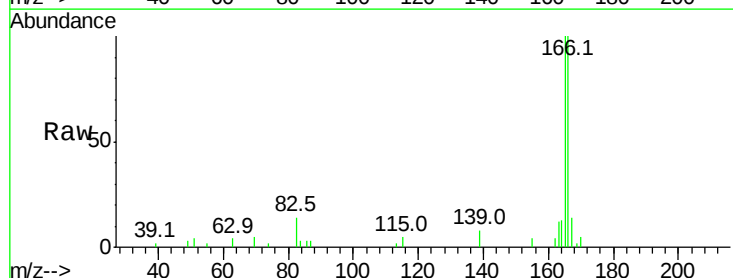
RT: 13.53 min Scan# 1971

Delta R.T. 0.05 min

Lab File: BF095141.D

Acq: 15 May 2017 23:32

Tgt Ion:	166	Resp:	26912
Ion Ratio	Lower	Upper	
166	100		
165	99.6	78.8	118.2
167	13.7	10.6	16.0





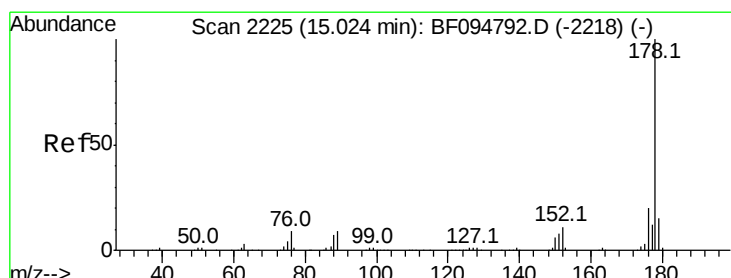
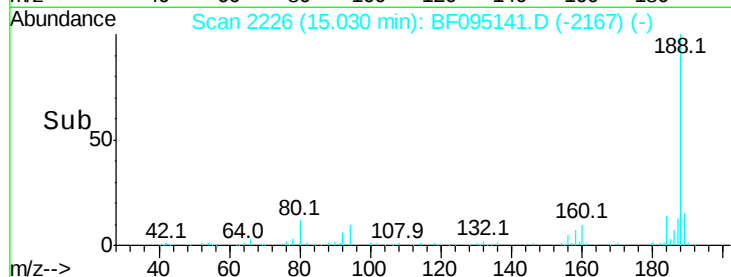
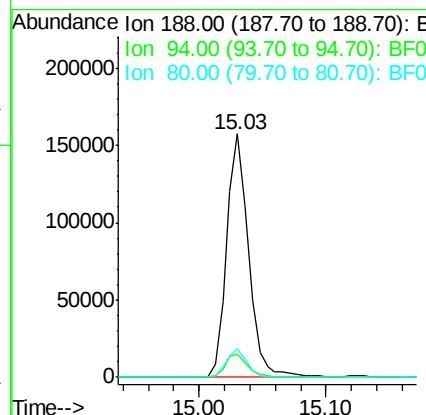
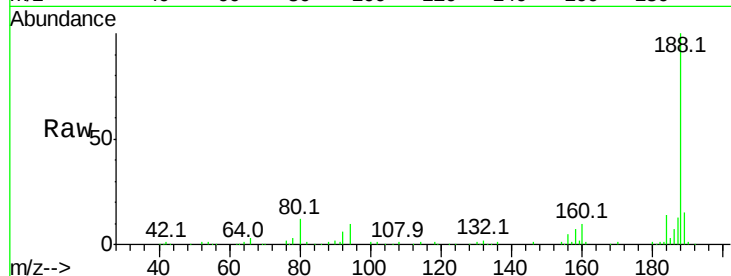
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. 0.05 min
 Lab File: BF095141.D
 Acq: 15 May 2017 23:32

Instrument :
 BNA_F
 ClientSampleId :
 BERM-2-2

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.6	9.4	14.2
80	11.5	10.2	15.2

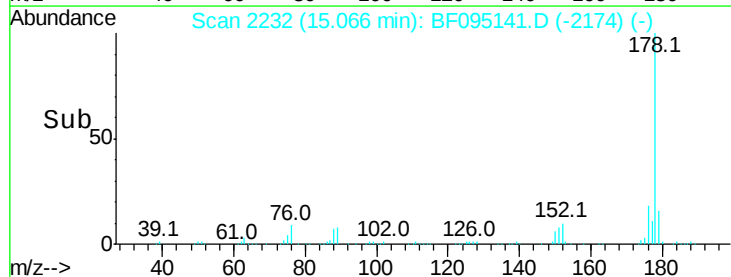
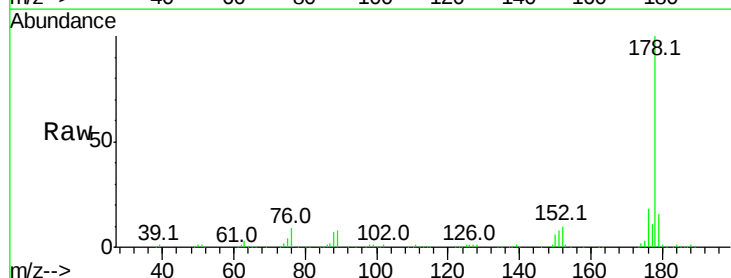
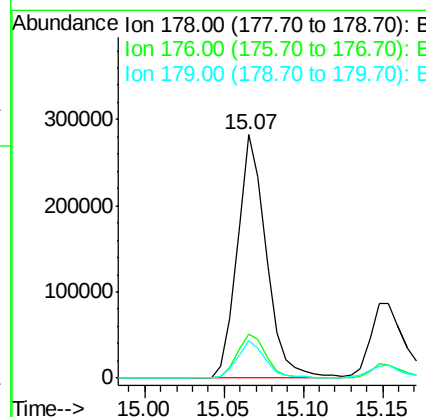
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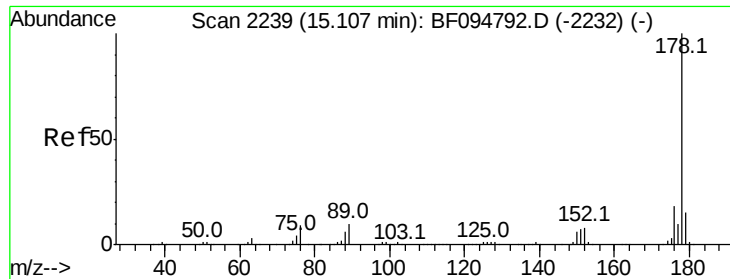
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#70
 Phenanthrene
 Concen: 33.03 ng
 RT: 15.07 min Scan# 2232
 Delta R.T. 0.04 min
 Lab File: BF095141.D
 Acq: 15 May 2017 23:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.3	16.2	24.4
179	15.5	12.6	19.0





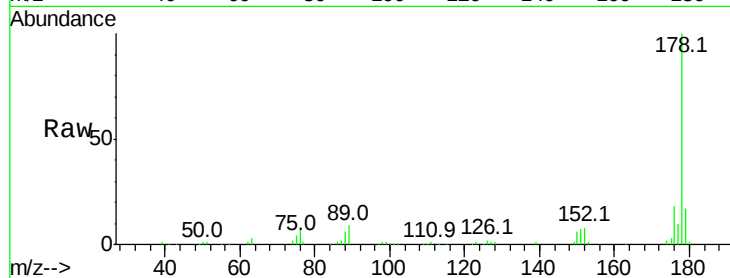
#71
 Anthracene
 Concen: 11.82 ng
 RT: 15.15 min Scan# 2247
 Delta R.T. 0.05 min
 Lab File: BF095141.D
 Acq: 15 May 2017 23:32

Instrument :
 BNA_F
 ClientSampleId :
 BERM-2-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	17.4	12.7	19.1

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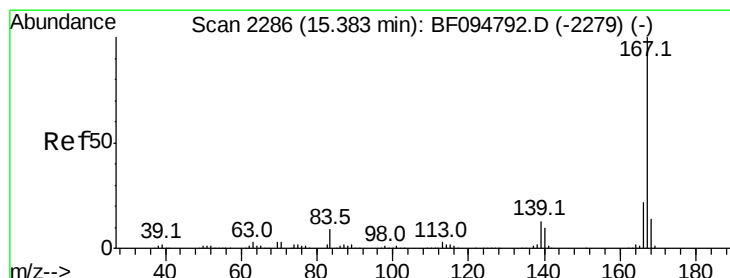
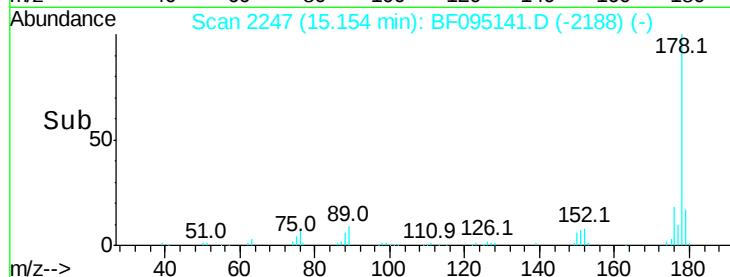
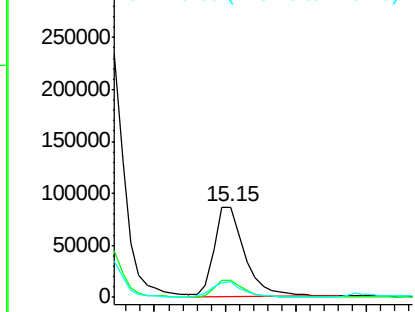


Abundance

Ion 178.00 (177.70 to 178.70): E

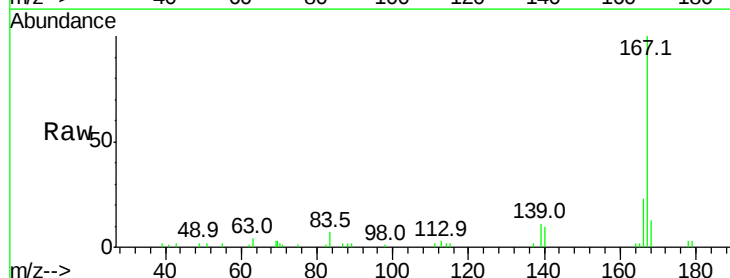
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
 Carbazole
 Concen: 3.81 ng
 RT: 15.45 min Scan# 2297
 Delta R.T. 0.06 min
 Lab File: BF095141.D
 Acq: 15 May 2017 23:32

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.1	27.1
139	11.3	11.7	17.5#

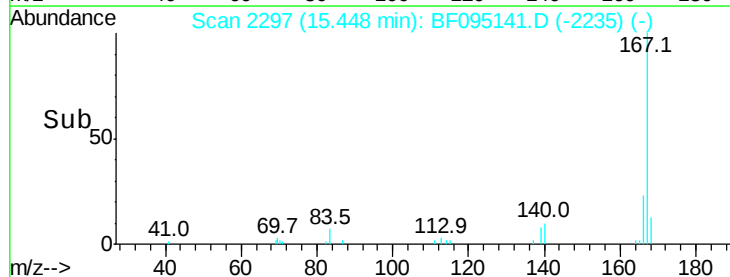
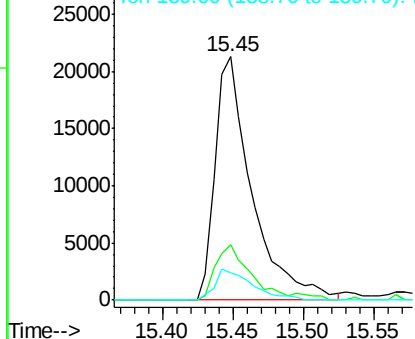


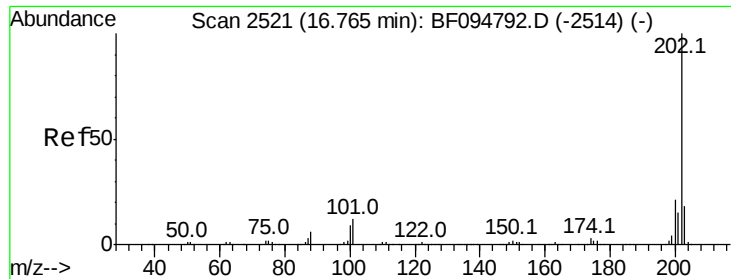
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





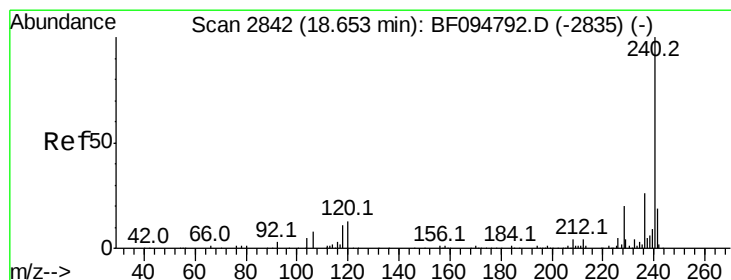
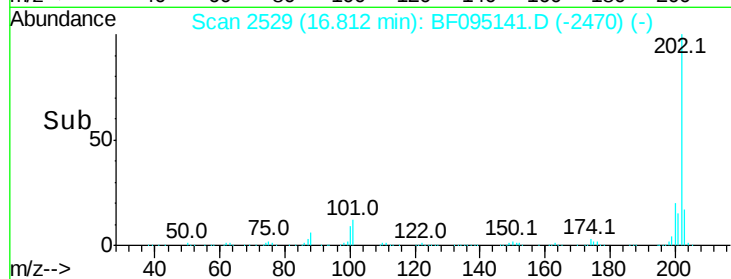
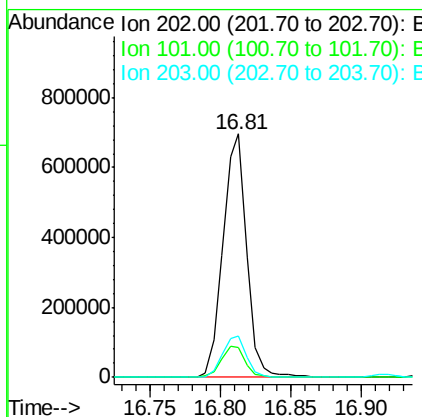
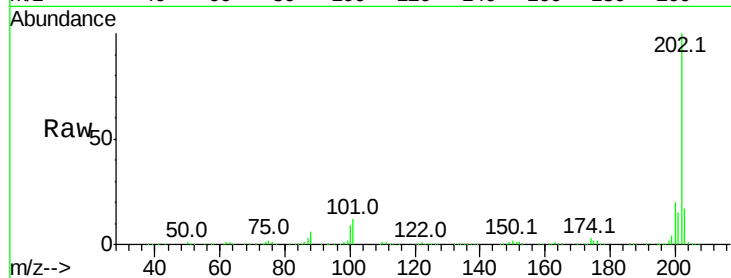
#74
 Fluoranthene
 Concen: 72.98 ng
 RT: 16.81 min Scan# 2529
 Delta R.T. 0.05 min
 Lab File: BF095141.D
 Acq: 15 May 2017 23:32

Instrument :
 BNA_F
 ClientSampleId :
 BERM-2-2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	814407		
101	12.3	0.0	33.2	
203	17.1	0.0	38.1	

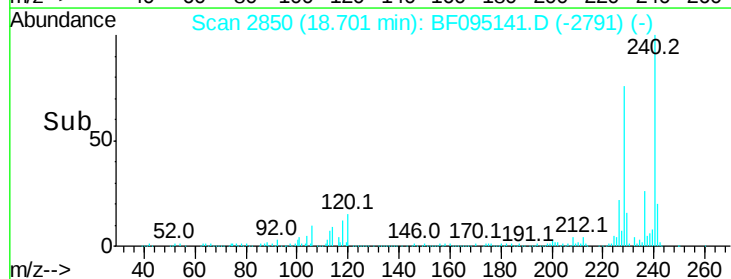
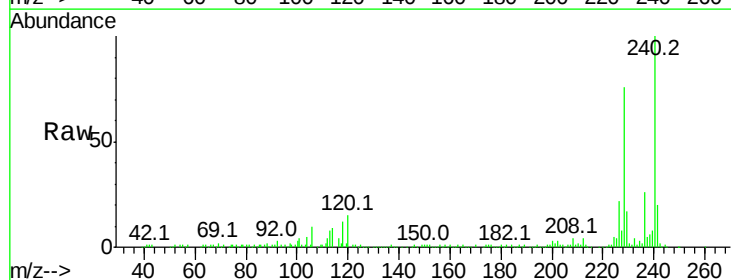
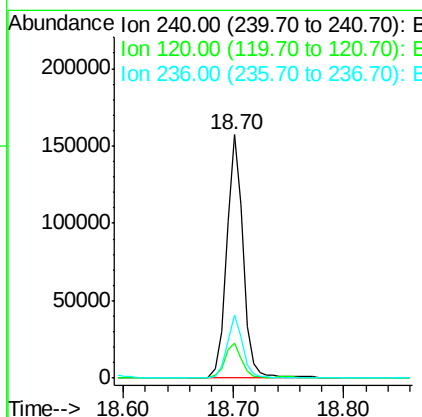
Manual Integrations
 APPROVED

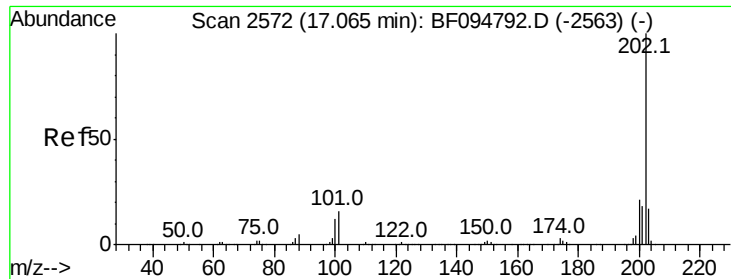
mohammad
 5/17/2017 2:20:29 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.70 min Scan# 2850
 Delta R.T. 0.05 min
 Lab File: BF095141.D
 Acq: 15 May 2017 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	164005		
120	14.6	5.8	8.8#	
236	25.7	20.5	30.7	





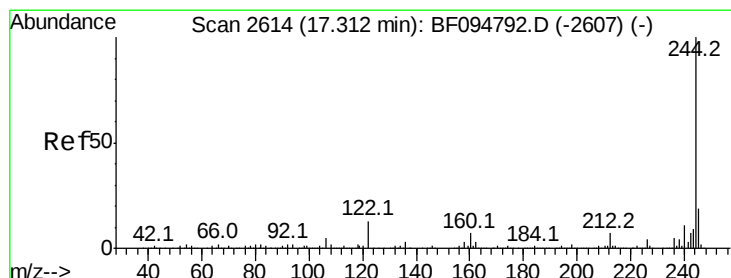
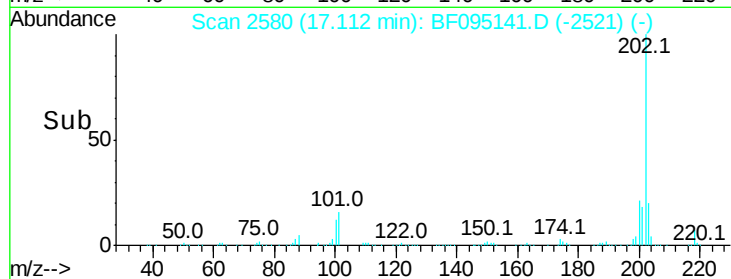
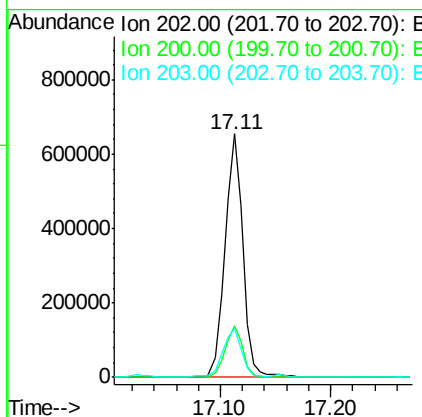
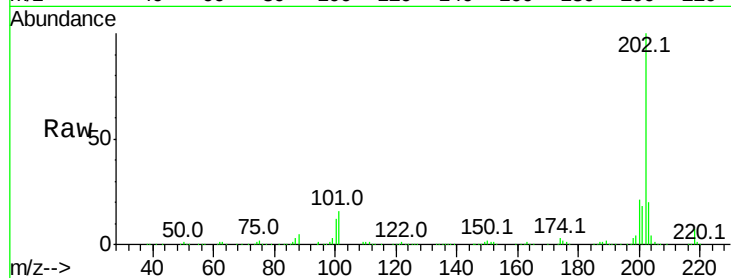
#77
Pvrene
Concen: 60.49 ng
RT: 17.11 min Scan# 2580
Delta R.T. 0.05 min
Lab File: BF095141.D
Acq: 15 May 2017 23:32

Instrument :
BNA_F
ClientSampleId :
BERM-2-2

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	19.9	14.4	21.6

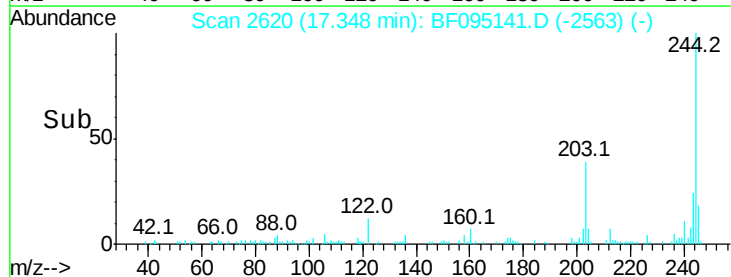
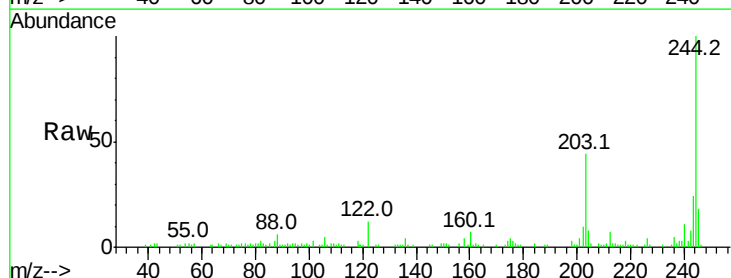
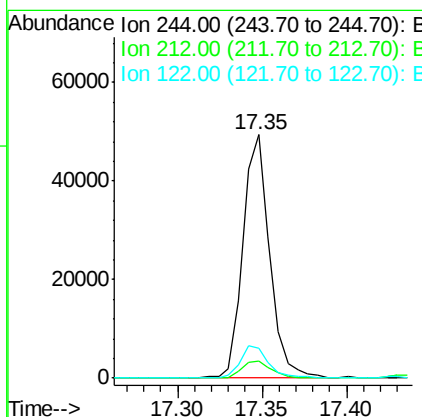
Manual Integrations
APPROVED

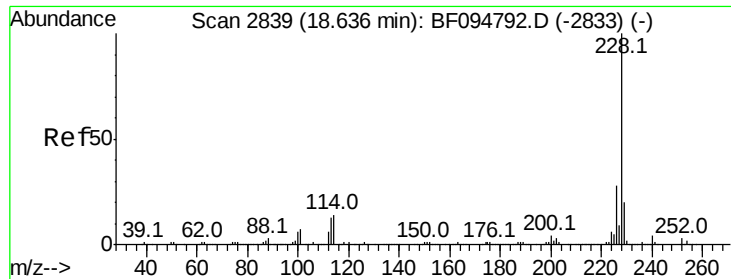
mohammad
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#78
Terphenyl-d14
Concen: 7.32 ng
RT: 17.35 min Scan# 2620
Delta R.T. 0.04 min
Lab File: BF095141.D
Acq: 15 May 2017 23:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	12.2	10.3	15.5





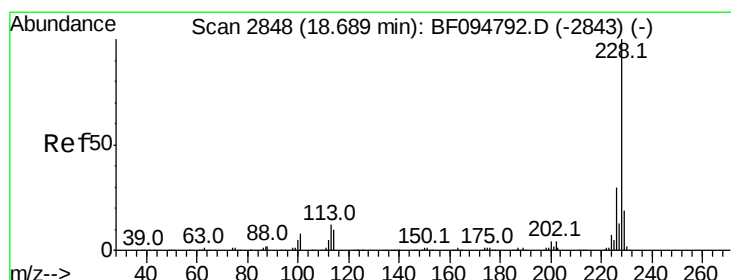
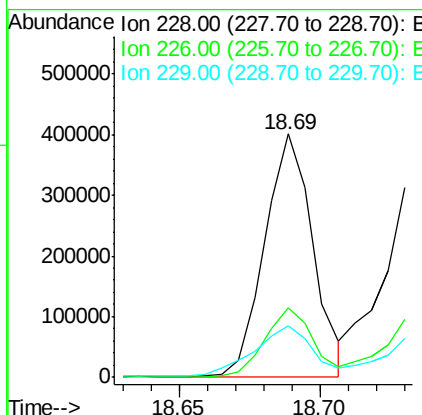
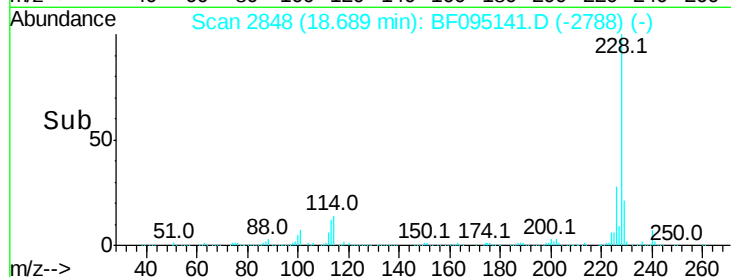
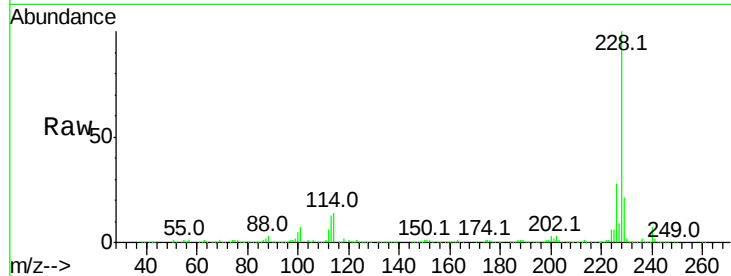
#80
Benzo(a)anthracene
Concen: 49.71 ng
RT: 18.69 min Scan# 2848
Delta R.T. 0.05 min
Lab File: BF095141.D
Acq: 15 May 2017 23:32

Instrument :
BNA_F
ClientSampled :
BERM-2-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	21.2	16.3	24.5

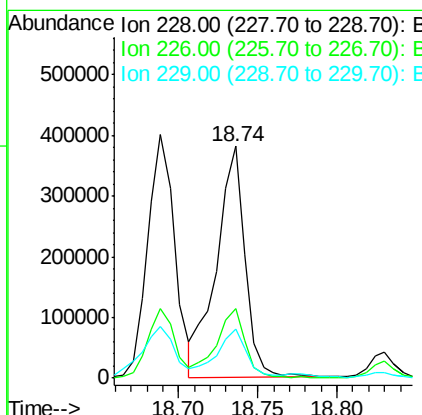
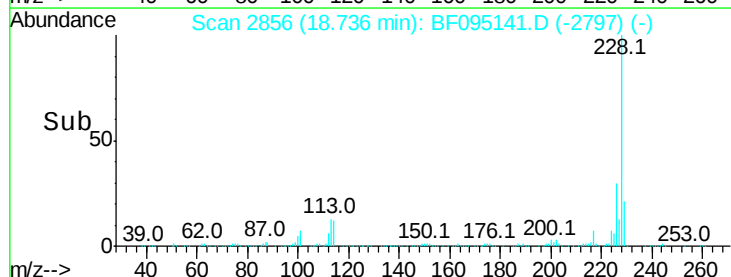
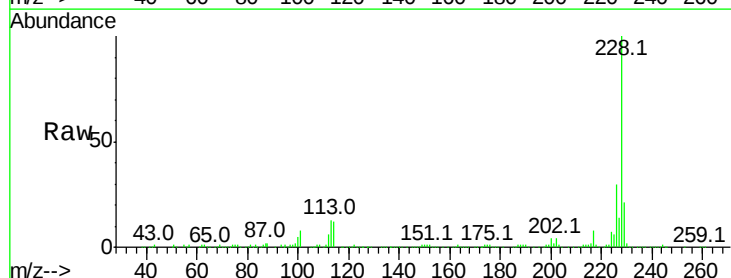
Manual Integrations
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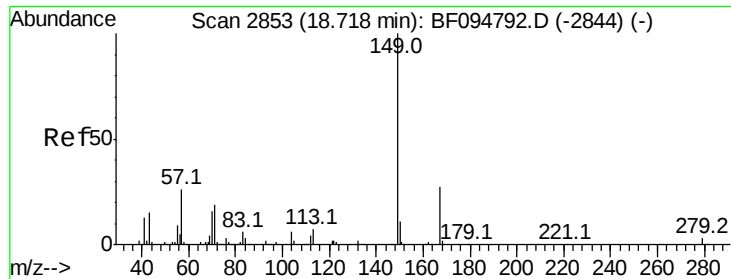
mohammad
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#82
Chrysene
Concen: 52.30 ng
RT: 18.74 min Scan# 2856
Delta R.T. 0.05 min
Lab File: BF095141.D
Acq: 15 May 2017 23:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.9	37.3
229	21.0	15.8	23.6





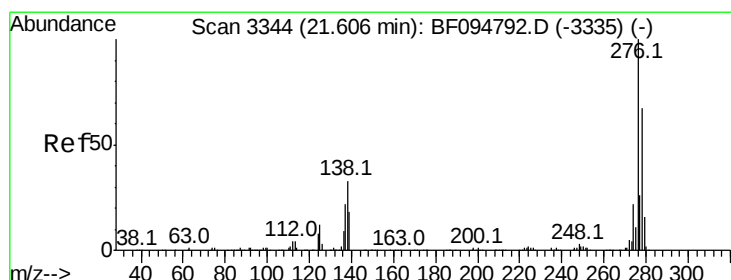
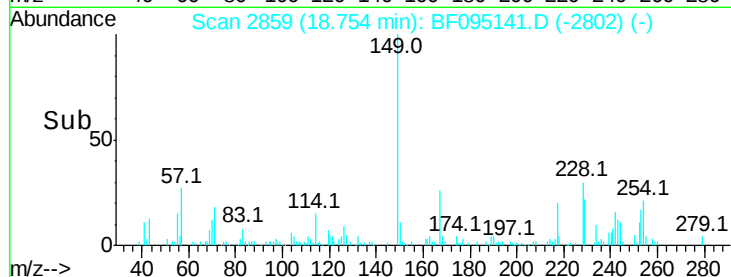
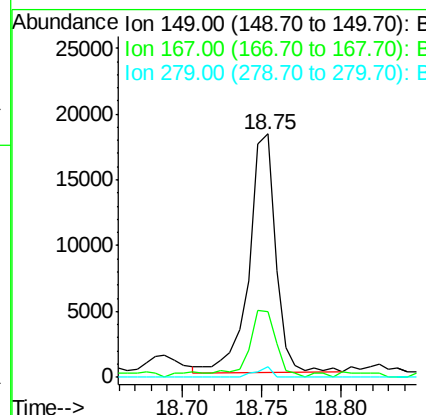
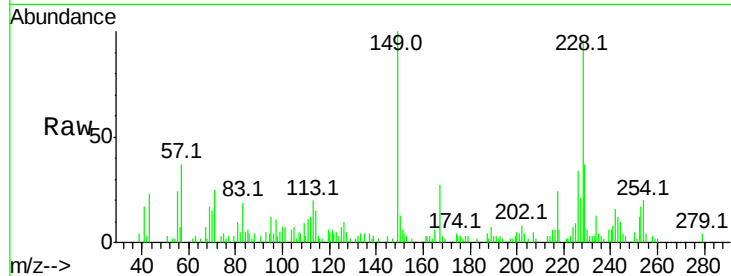
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.60 ng
 RT: 18.75 min Scan# 2859
 Delta R.T. 0.04 min
 Lab File: BF095141.D
 Acq: 15 May 2017 23:32

Instrument :
 BNA_F
 ClientSampleId :
 BERM-2-2

Tot Ion	Ratio	Resp	Lower	Upper
149	100	21173		
167	27.1		21.0	31.4
279	4.3		1.9	2.9#

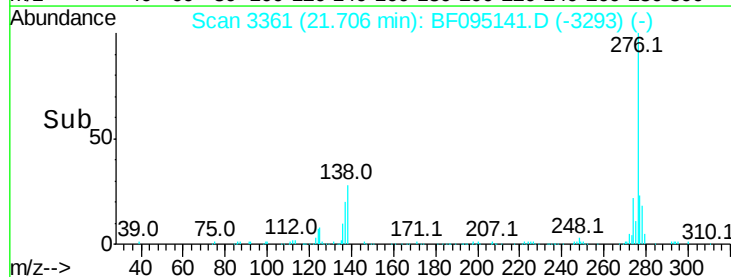
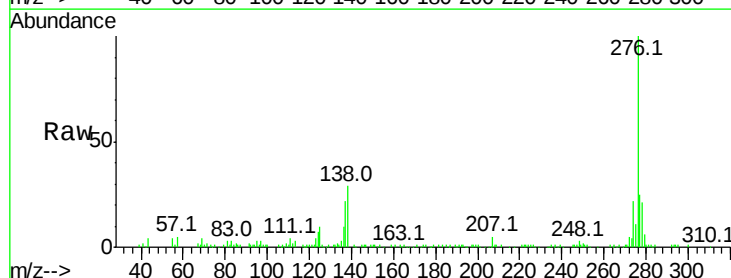
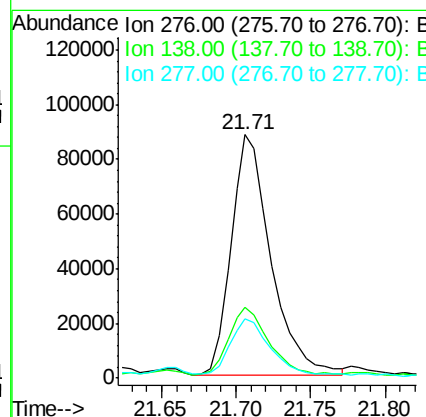
Manual Integrations
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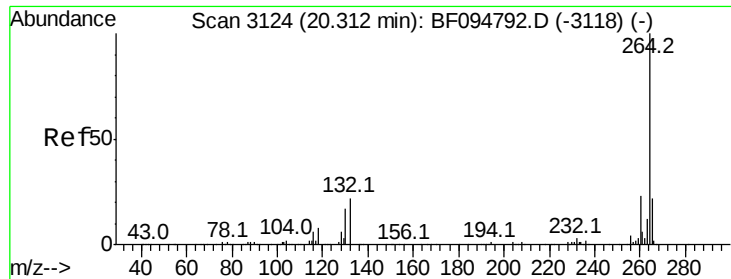
mohammad
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 21.77 ng
 RT: 21.71 min Scan# 3361
 Delta R.T. 0.10 min
 Lab File: BF095141.D
 Acq: 15 May 2017 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	163146		
138	28.4		27.8	41.6
277	22.9		20.2	30.4





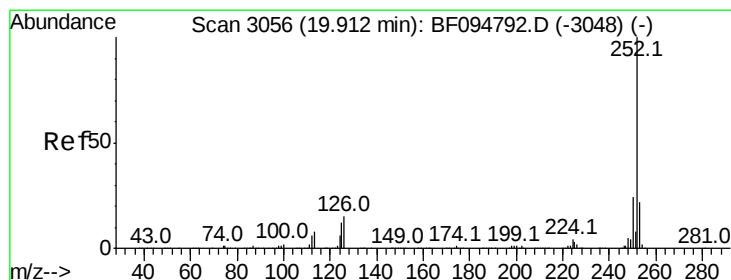
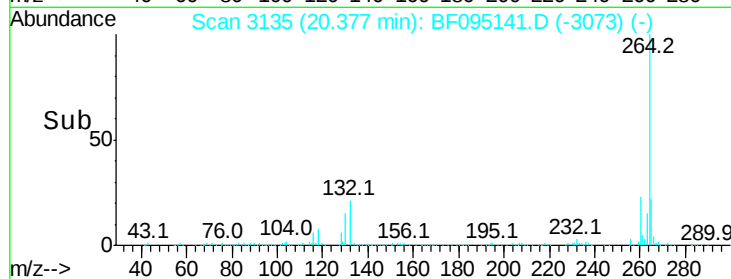
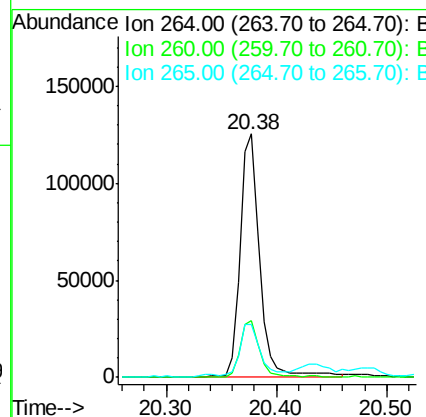
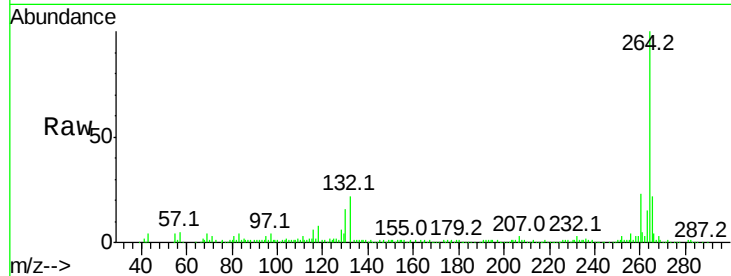
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.38 min Scan# 3135
Delta R.T. 0.06 min
Lab File: BF095141.D
Acq: 15 May 2017 23:32

Instrument :
BNA_F
ClientSampleId :
BERM-2-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.9	17.2	25.8

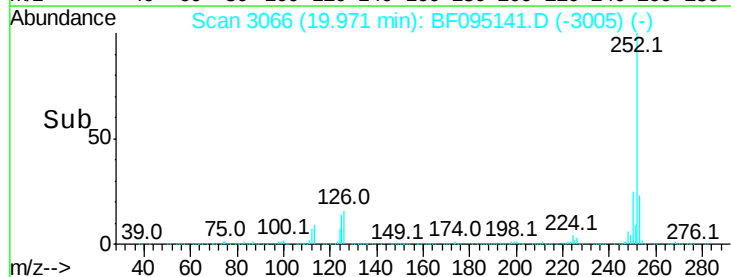
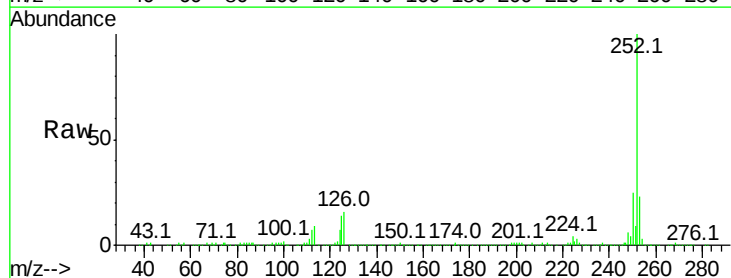
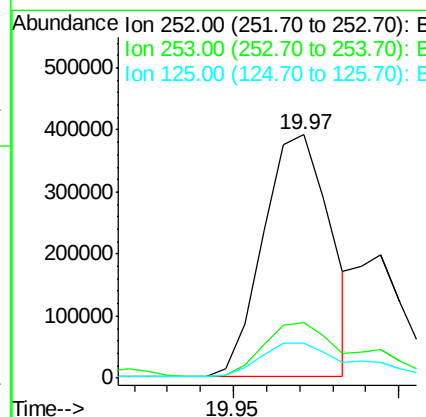
Manual Integrations
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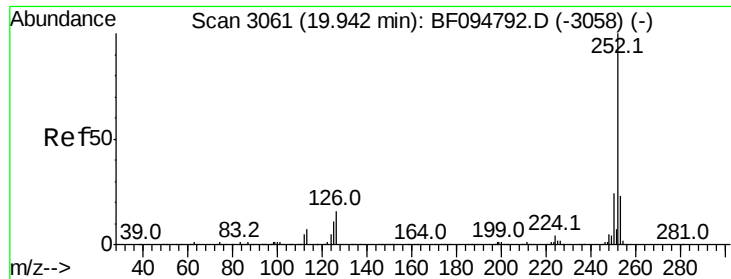
mohammad
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#87
Benzo(b)fluoranthene
Concen: 56.48 ng m
RT: 19.97 min Scan# 3066
Delta R.T. 0.06 min
Lab File: BF095141.D
Acq: 15 May 2017 23:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	14.4	9.8	14.8





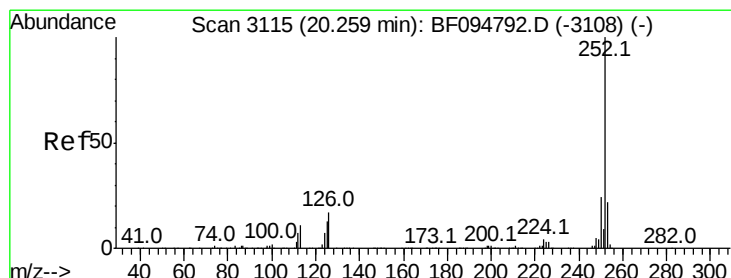
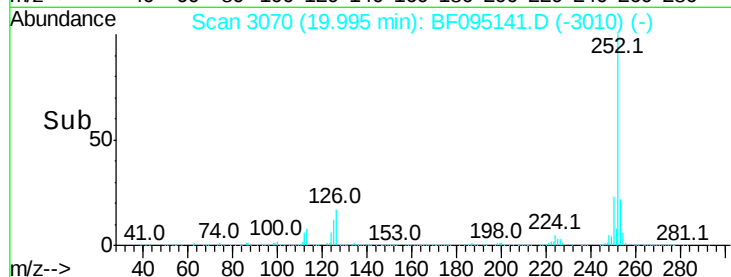
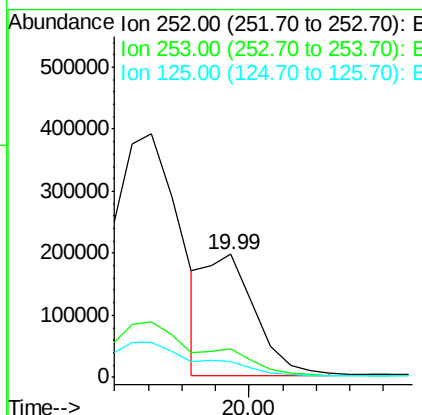
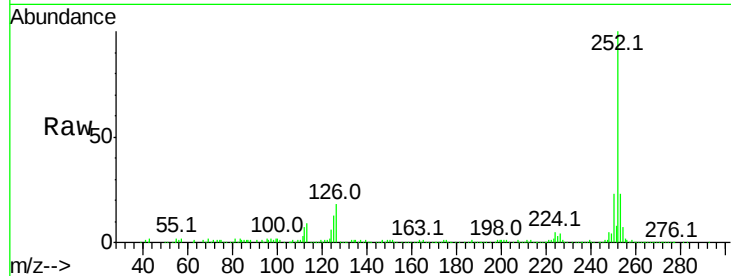
#88
Benzo(k)fluoranthene
Concen: 21.66 ng m
RT: 19.99 min Scan# 3070
Delta R.T. 0.05 min
Lab File: BF095141.D
Acq: 15 May 2017 23:32

Instrument :
BNA_F
ClientSampleId :
BERM-2-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	12.8	13.1	19.7

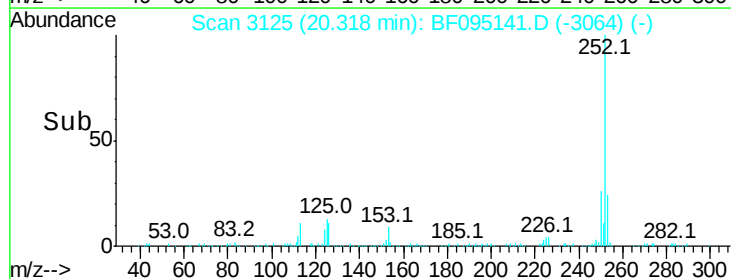
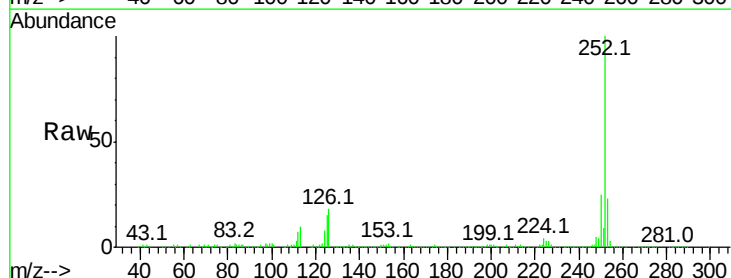
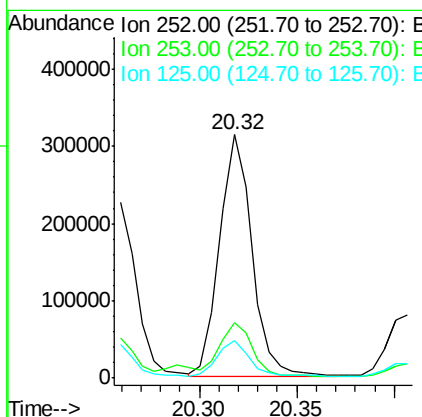
Manual Integrations
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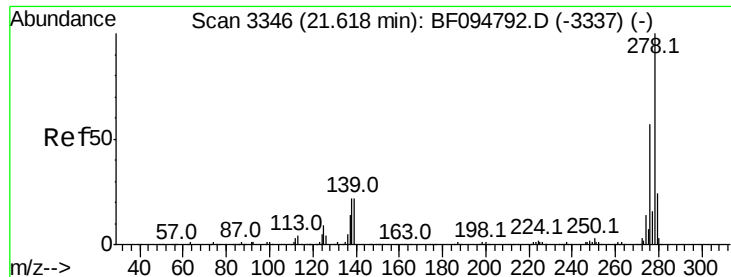
mohammad
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#89
Benzo(a)pyrene
Concen: 40.69 ng
RT: 20.32 min Scan# 3125
Delta R.T. 0.06 min
Lab File: BF095141.D
Acq: 15 May 2017 23:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	15.3	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 5.07 ng/mL

RT: 21.71 min Scan# 3362

Delta R.T. 0.09 min

Lab File: BF095141.D

Acq: 15 May 2017 23:32

Instrument :

BNA_F

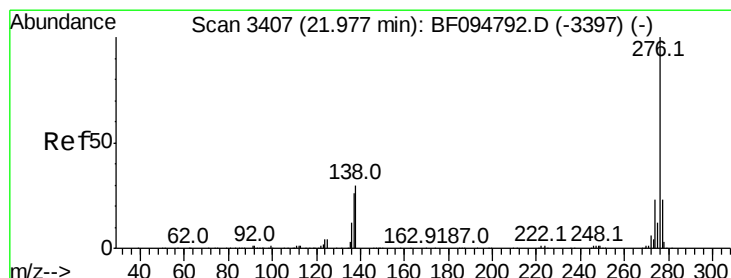
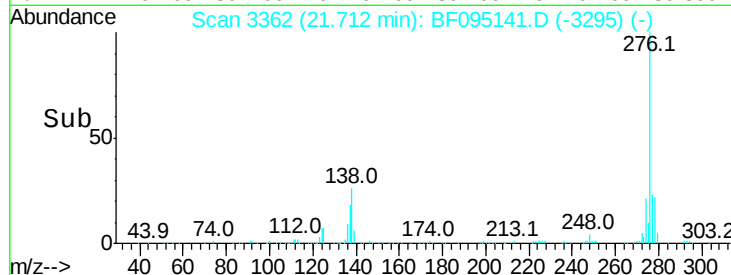
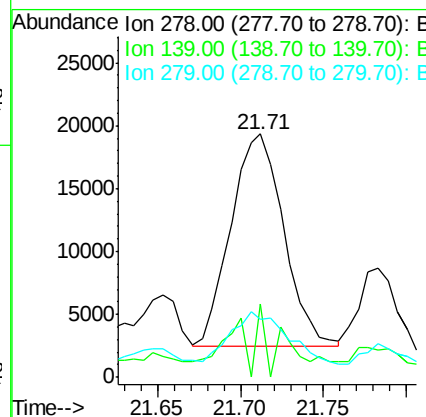
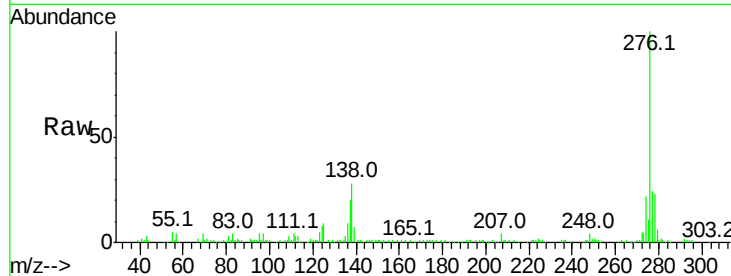
ClientSampled :

BERM-2-2

Tot Ion:	278	Resp:	37475
Ion Ratio	Lower	Upper	
278	100		
139	30.2	16.6	24.8#
279	23.9	19.3	28.9

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 21.22 ng/mL

RT: 22.09 min Scan# 3427

Delta R.T. 0.12 min

Lab File: BF095141.D

Acq: 15 May 2017 23:32

Tgt Ion:	276	Resp:	153978
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.6	28.0
138	31.2	25.4	38.0

