

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094167.D
 Acq On : 4 Apr 2017 14:09
 Operator : SJ/MA
 Sample : I2510-12DL 10X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-U4-NSWDL

Manual Integrations
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Quant Time: Apr 04 14:50:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	154540	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	584606	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	219524	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	333804	20.00	ng	-0.01
75) Chrysene-d12	14.62	240	291482	20.00	ng	-0.01
86) Perylene-d12	16.24	264	205289	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	90967	9.94	ng	-0.02
7) Phenol-d6	5.49	99	111026	9.81	ng	-0.02
23) Nitrobenzene-d5	6.53	82	46488	4.54	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	12554	7.24	ng	-0.02
44) 2-Fluorobiphenyl	8.72	172	98808	6.87	ng	-0.02
78) Terphenyl-d14	13.33	244	60893	4.68	ng	-0.02
Target Compounds						
70) Phenanthrene	11.39	178	174087	9.38	ng	Qvalue 98
71) Anthracene	11.45	178	68077	3.56	ng	98
74) Fluoranthene	12.86	202	669634	35.22	ng	99
77) Pyrene	13.13	202	654556	30.94	ng	99
80) Benzo(a)anthracene	14.60	228	312849	18.41	ng	97
82) Chrysene	14.64	228	281393	17.84	ng	97
85) Indeno(1,2,3-cd)pyrene	17.59	276	121526	8.90	ng	93
87) Benzo(b)fluoranthene	15.84	252	295791m	23.51	ng	
88) Benzo(k)fluoranthene	15.86	252	95689m	7.77	ng	
89) Benzo(a)pyrene	16.19	252	210386	18.16	ng	99
90) Dibenzo(a,h)anthracene	17.60	278	25048	2.55	ng	# 85
91) Benzo(a,h,i)perylene	17.99	276	115241	11.65	ng	100

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

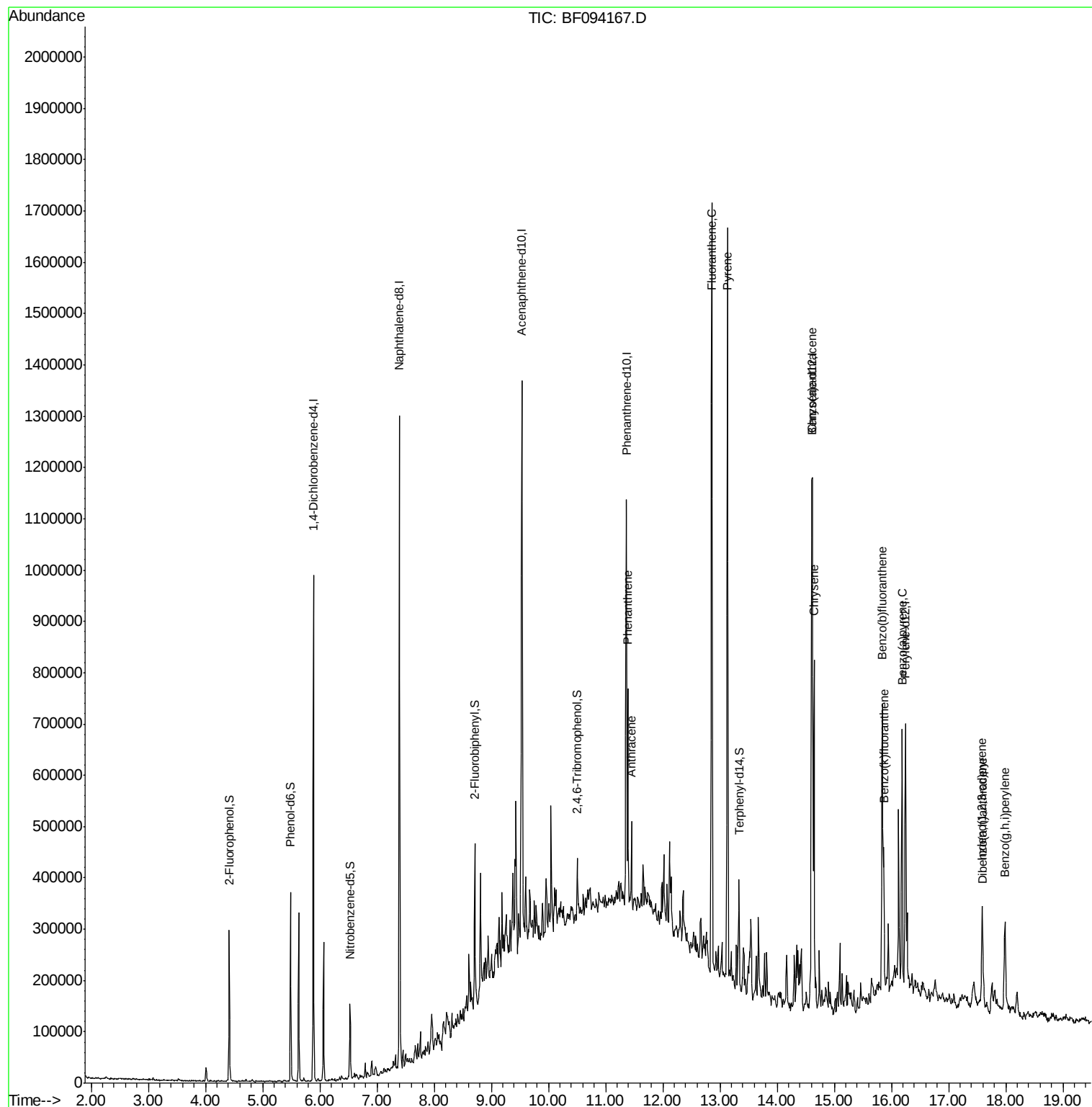
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.89 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF094167.D

Acq: 4 Apr 2017 14:09

Instrument :

BNA_F

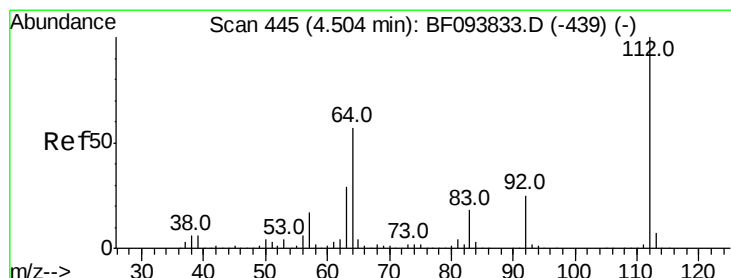
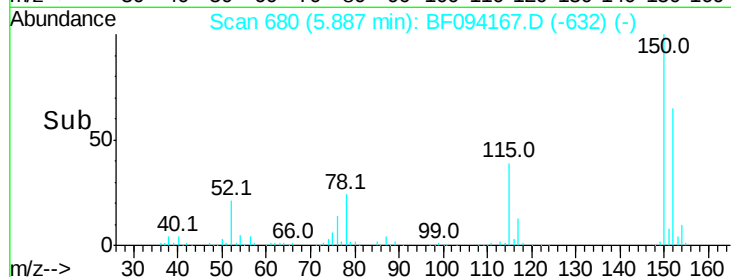
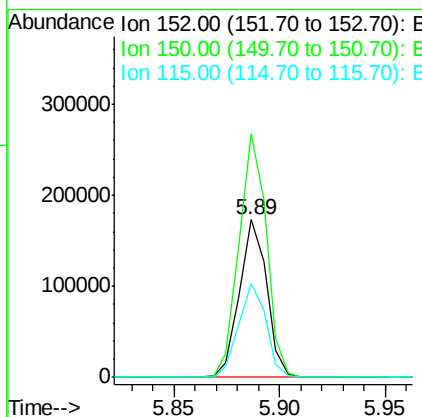
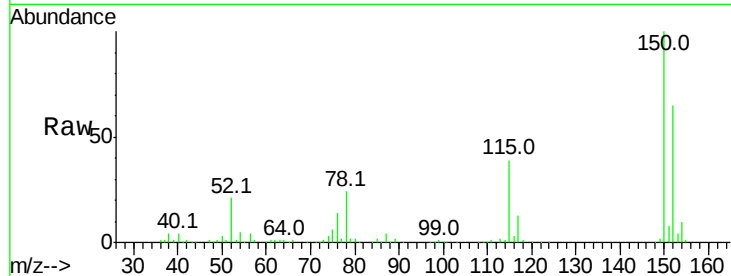
ClientSampleId :

E2-U4-NSWDL

Tot Ion:	152	Resp:	154540
Ion Ratio	Lower	Upper	
152	100		
150	154.5	126.2	189.2
115	59.8	52.2	78.2

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#5

2-Fluorophenol

Concen: 9.94 ng

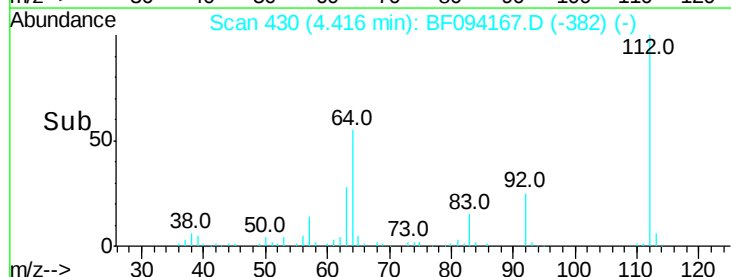
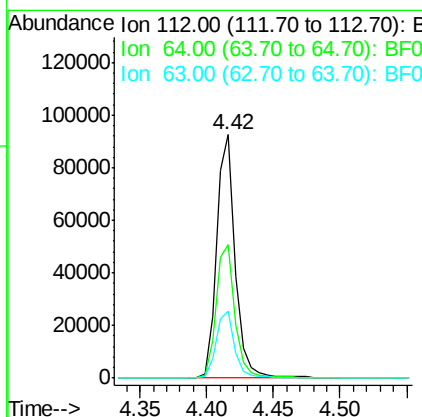
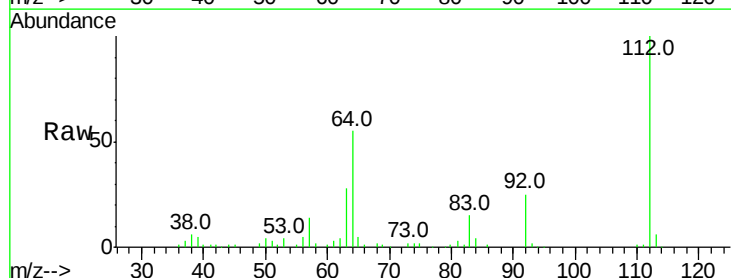
RT: 4.42 min Scan# 430

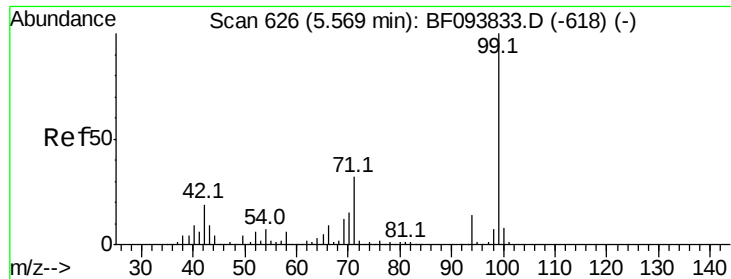
Delta R.T. -0.02 min

Lab File: BF094167.D

Acq: 4 Apr 2017 14:09

Tgt Ion:	112	Resp:	90967
Ion Ratio	Lower	Upper	
112	100		
64	54.9	46.0	69.0
63	27.8	23.4	35.0





#7

Phenol-d6

Concen: 9.81 ng

RT: 5.49 min Scan# 612

Delta R.T. -0.02 min

Lab File: BF094167.D

Acq: 4 Apr 2017 14:09

Instrument :

BNA_F

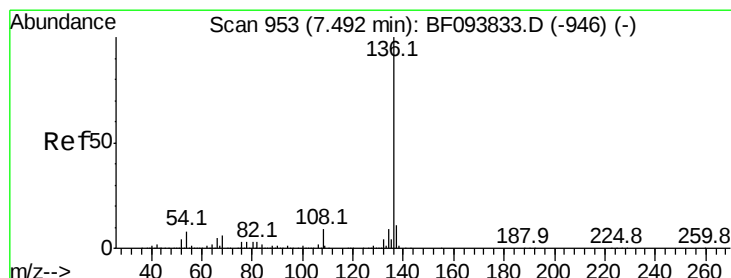
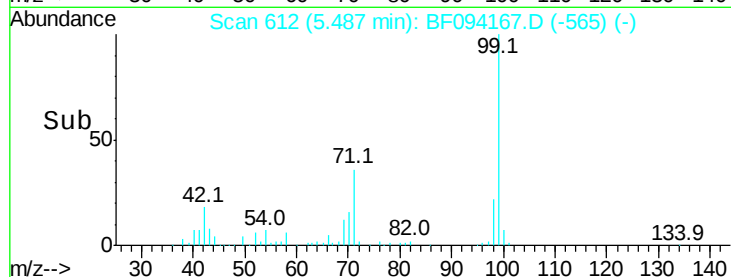
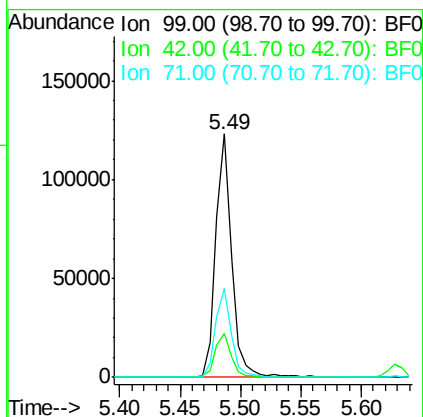
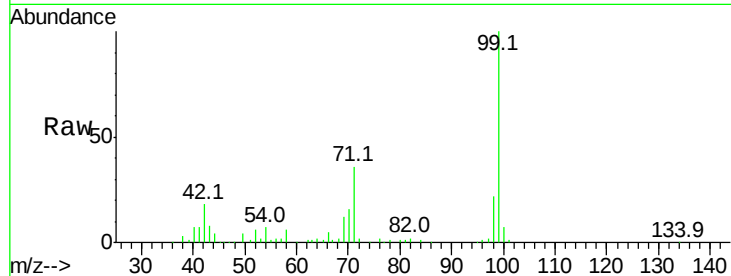
ClientSampleId :

E2-U4-NSWDL

Tot Ion:	99	Resp:	111026
Ion Ratio	Lower	Upper	
99	100		
42	18.3	13.5	20.3
71	36.3	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

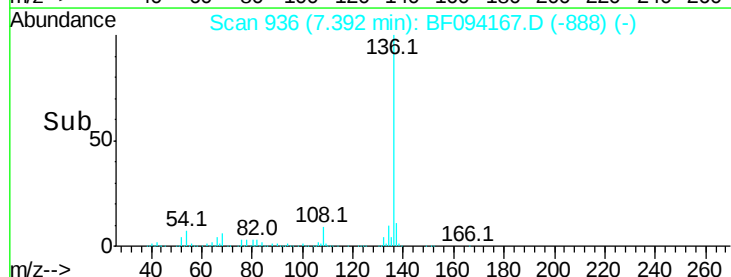
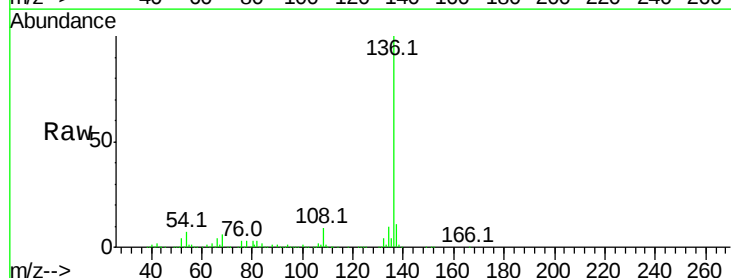
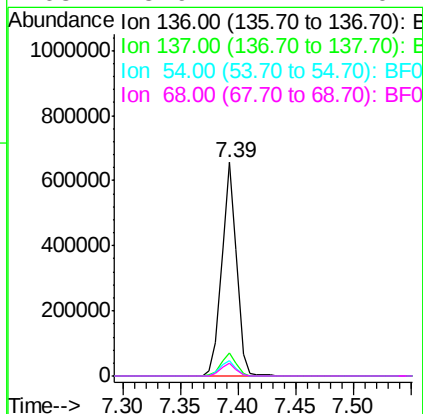
RT: 7.39 min Scan# 936

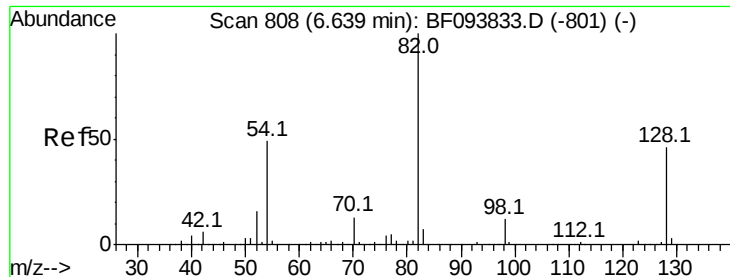
Delta R.T. -0.02 min

Lab File: BF094167.D

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Tgt Ion:	136	Resp:	584606
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	7.1	4.9	7.3
68	5.9	4.1	6.1





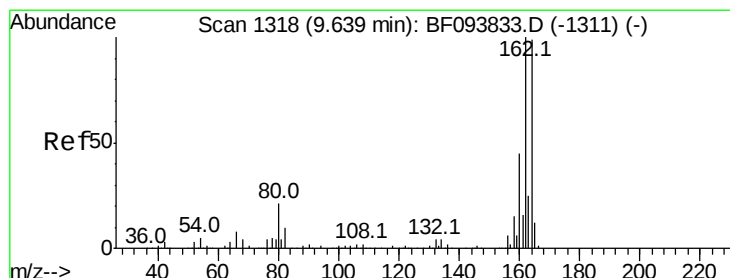
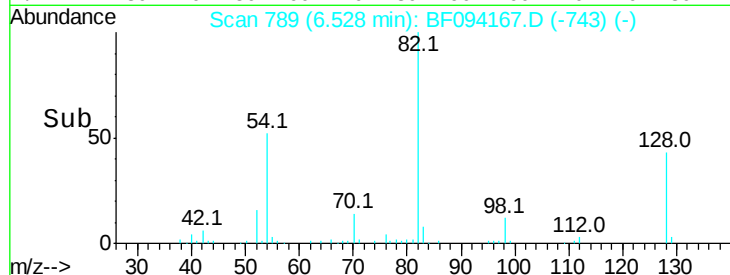
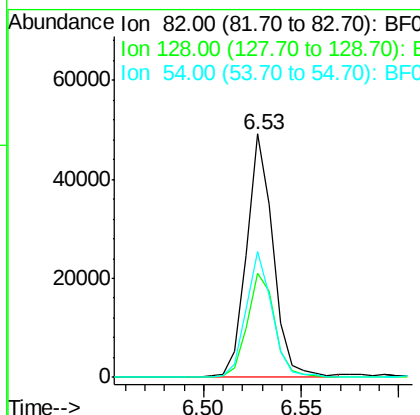
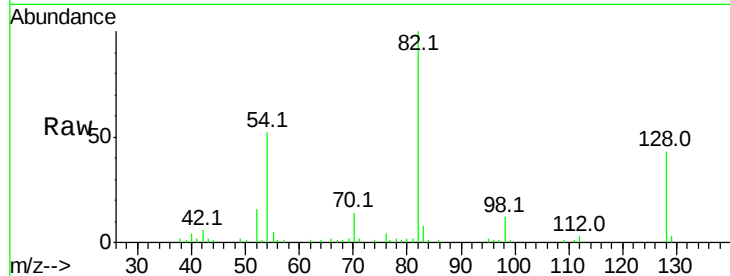
#23
 Nitrobenzene-d5
 Concen: 4.54 ng
 RT: 6.53 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF094167.D
 Acq: 4 Apr 2017 14:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-U4-NSWDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.0	51.0
54	51.6	42.2	63.2

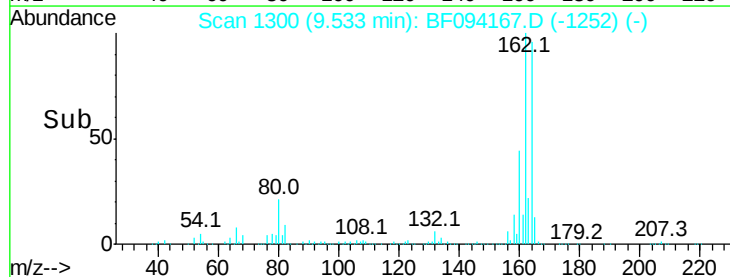
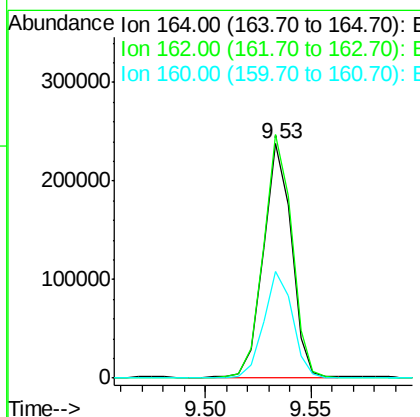
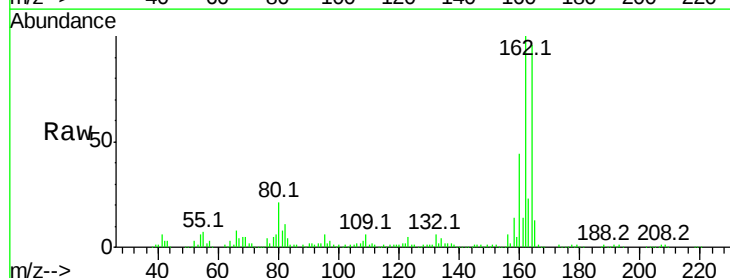
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF094167.D
 Acq: 4 Apr 2017 14:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.6	123.8
160	45.6	36.2	54.2





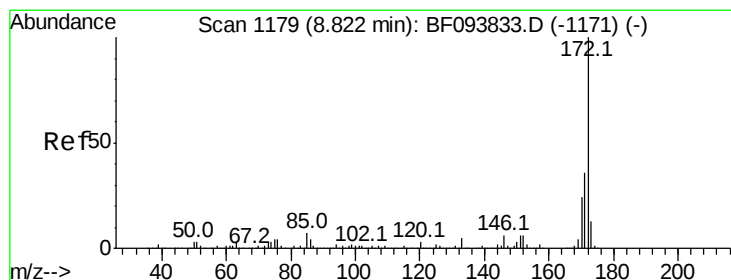
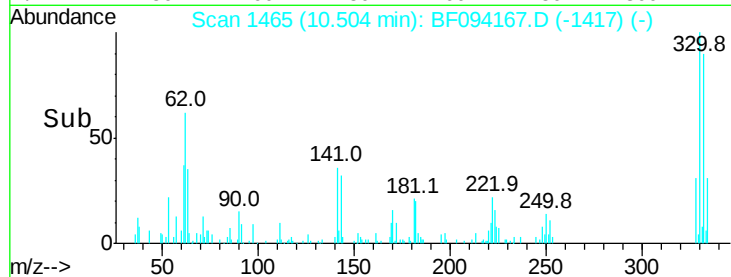
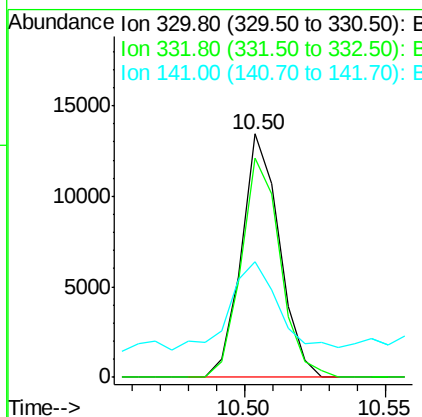
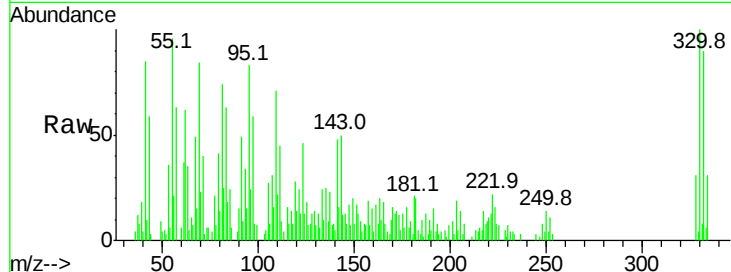
#41
 2,4,6-Tribromophenol
 Concen: 7.24 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094167.D
 Acq: 4 Apr 2017 14:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-U4-NSWDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.5	76.6	115.0
141	46.4	31.4	47.2

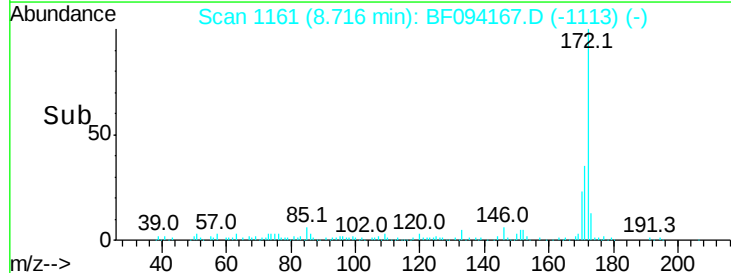
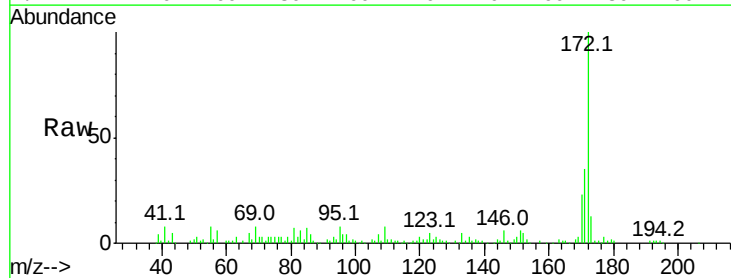
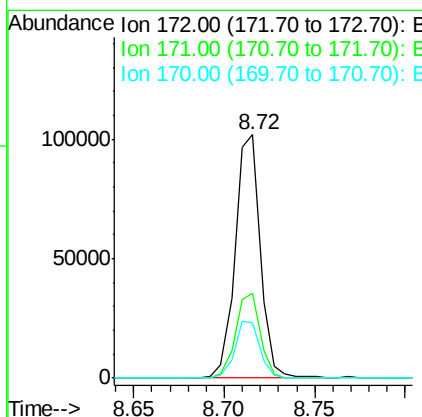
Manual Integrations
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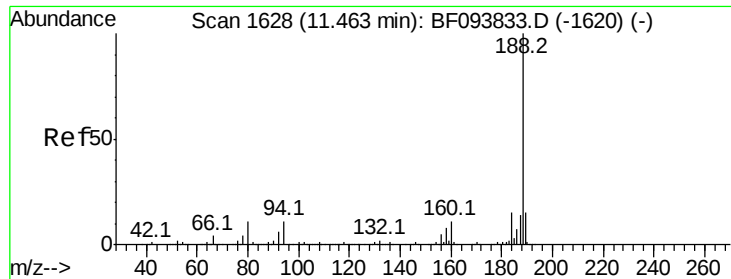
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#44
 2-Fluorobiphenyl
 Concen: 6.87 ng
 RT: 8.72 min Scan# 1161
 Delta R.T. -0.02 min
 Lab File: BF094167.D
 Acq: 4 Apr 2017 14:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.6	44.4
170	23.0	19.8	29.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF094167.D

Acq: 4 Apr 2017 14:09

Instrument :

BNA_F

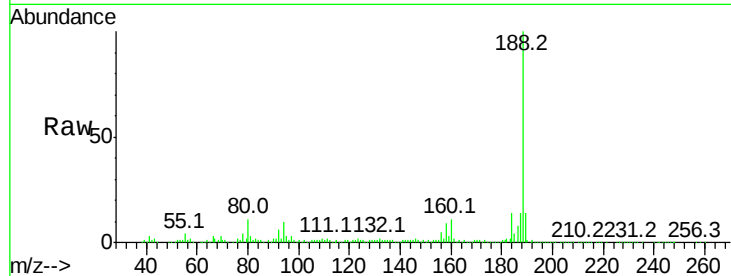
ClientSampleId :

E2-U4-NSWDL

Tot Ion:	188	Resp:	333804
Ion Ratio	Lower	Upper	
188	100		
94	9.7	9.4	14.2
80	10.7	10.2	15.2

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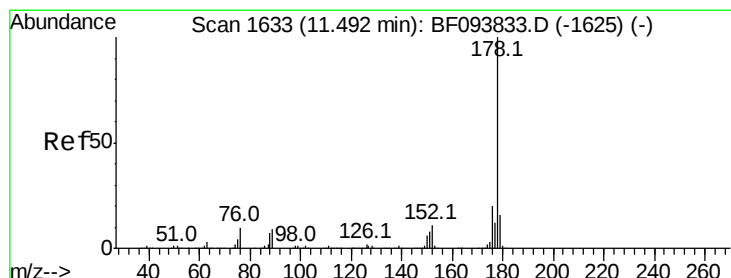
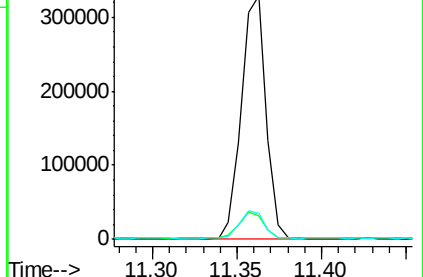
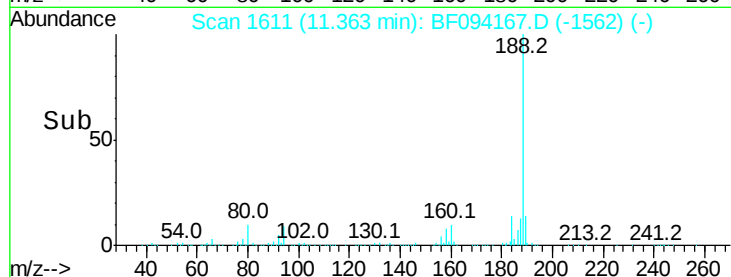
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 9.38 ng

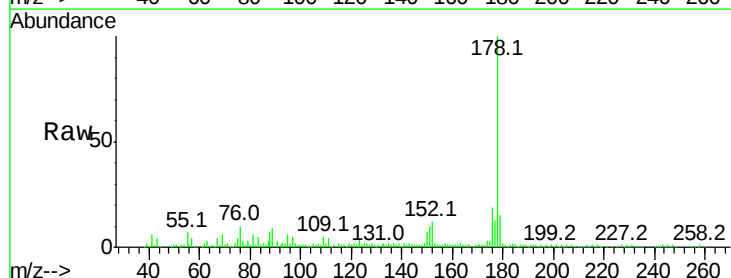
RT: 11.39 min Scan# 1615

Delta R.T. -0.02 min

Lab File: BF094167.D

Acq: 4 Apr 2017 14:09

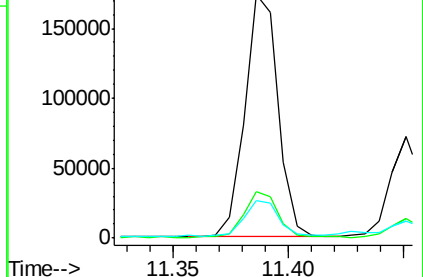
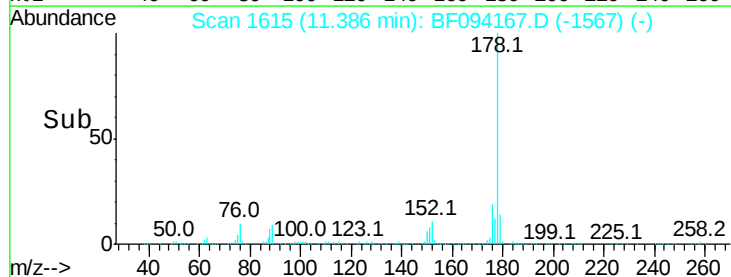
Tgt Ion:	178	Resp:	174087
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.2	24.4
179	15.2	12.6	19.0

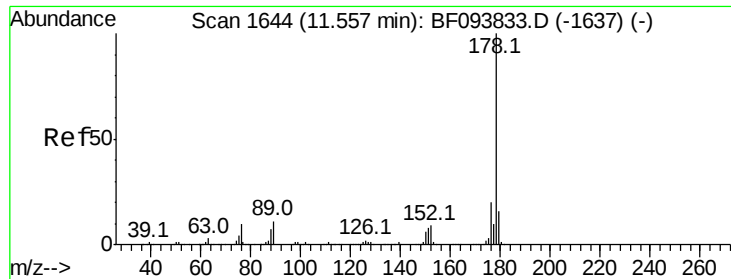


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





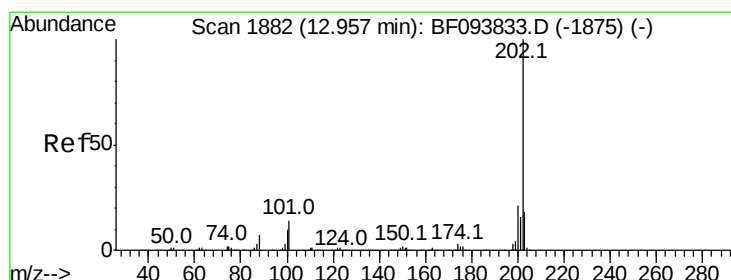
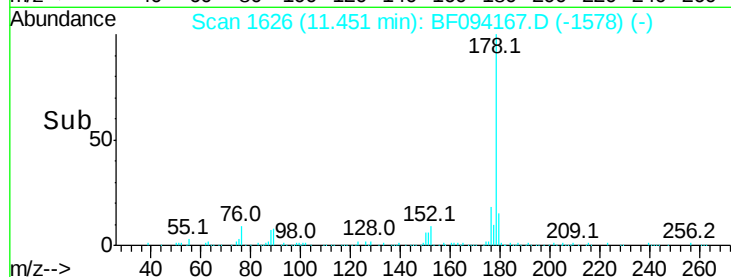
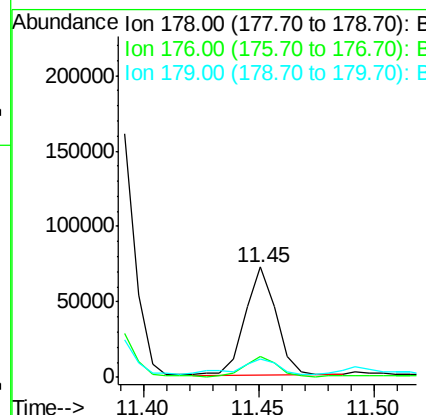
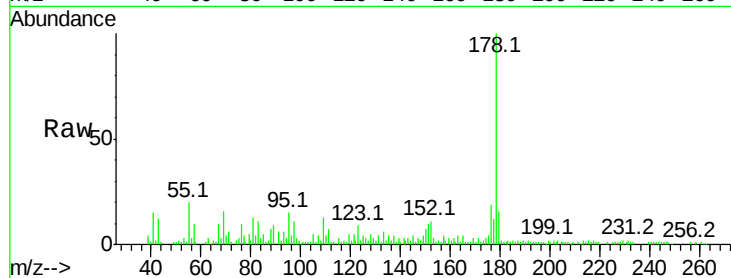
#71
 Anthracene
 Concen: 3.56 ng
 RT: 11.45 min Scan# 1626
 Delta R.T. -0.02 min
 Lab File: BF094167.D
 Acq: 4 Apr 2017 14:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-U4-NSWDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	16.5	12.7	19.1

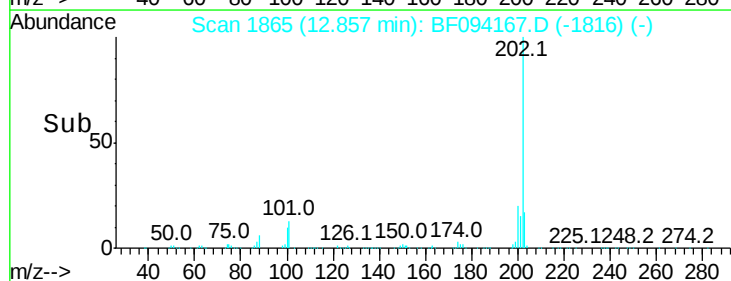
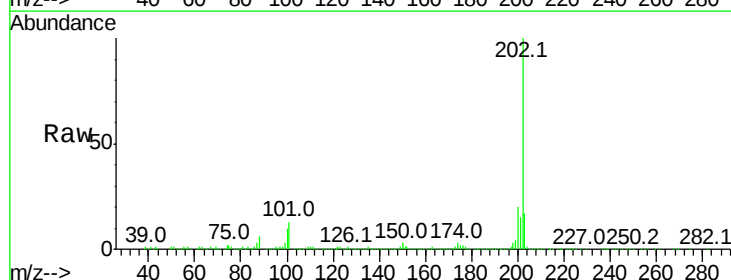
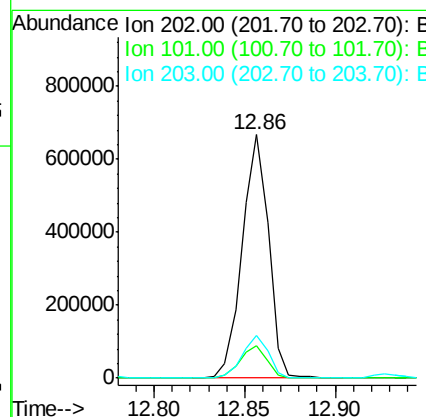
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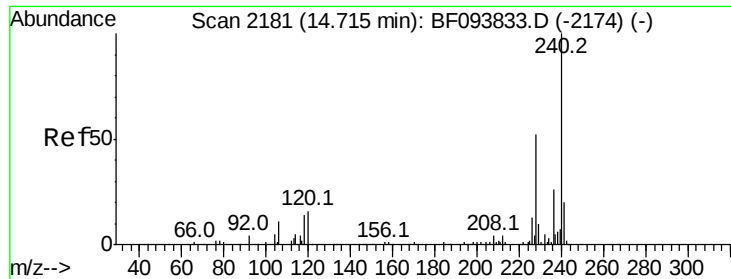
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#74
 Fluoranthene
 Concen: 35.22 ng
 RT: 12.86 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF094167.D
 Acq: 4 Apr 2017 14:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF094167.D

Acq: 4 Apr 2017 14:09

Instrument :

BNA_F

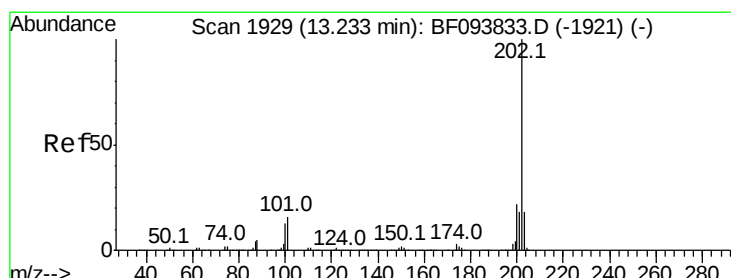
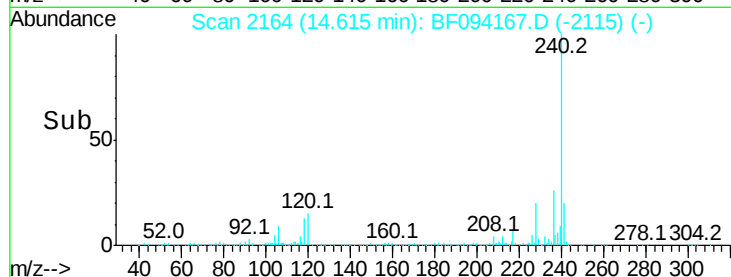
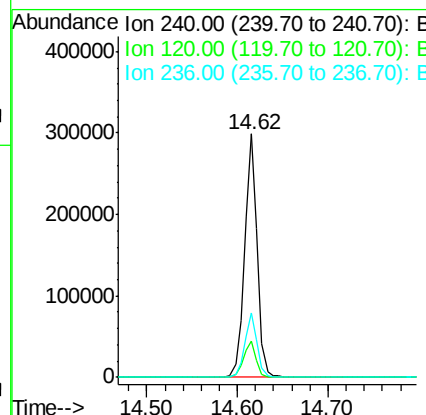
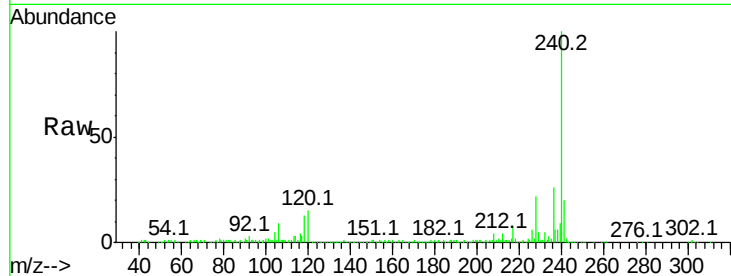
ClientSampleId :

E2-U4-NSWDL

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.8	5.8	8.8#
236	26.2	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 30.94 ng

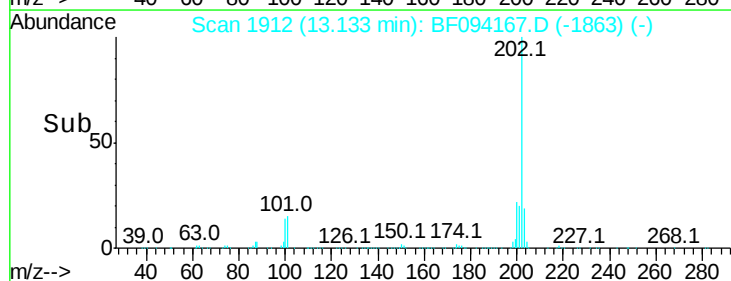
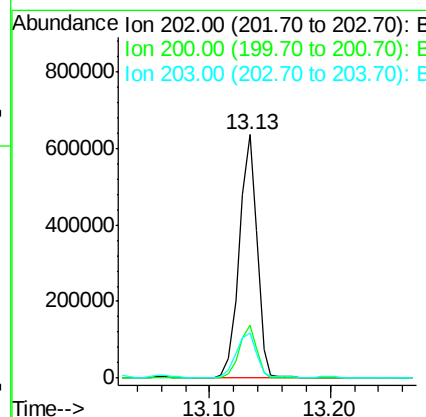
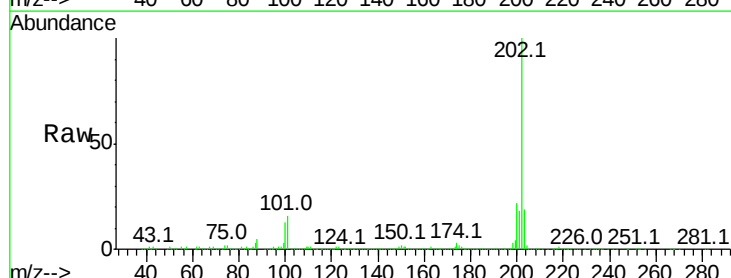
RT: 13.13 min Scan# 1912

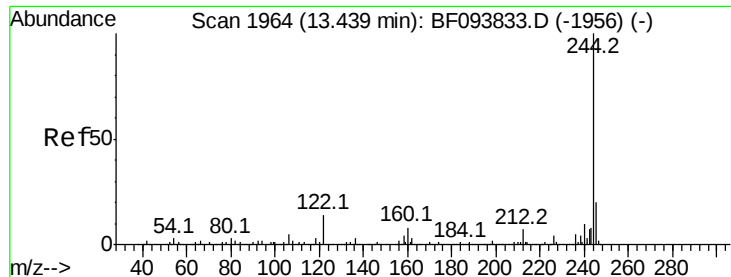
Delta R.T. -0.01 min

Lab File: BF094167.D

Acq: 4 Apr 2017 14:09

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	18.6	14.4	21.6





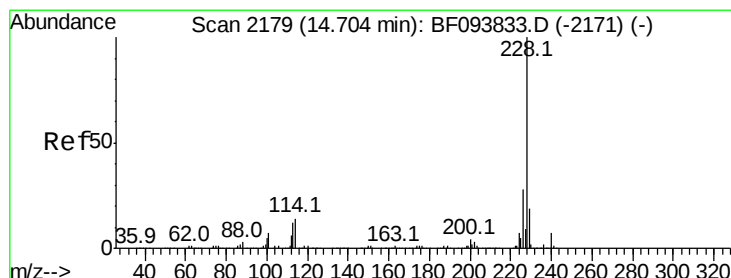
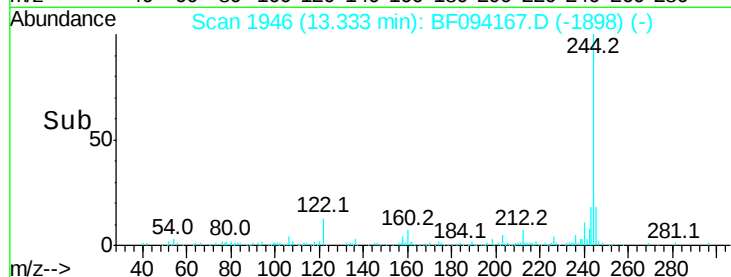
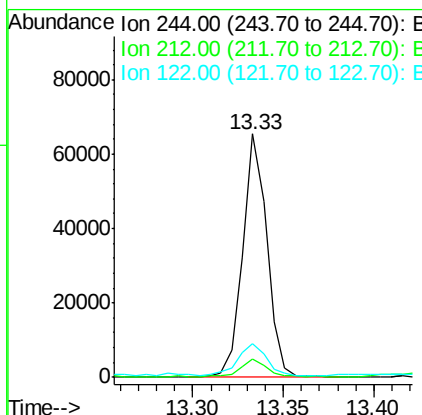
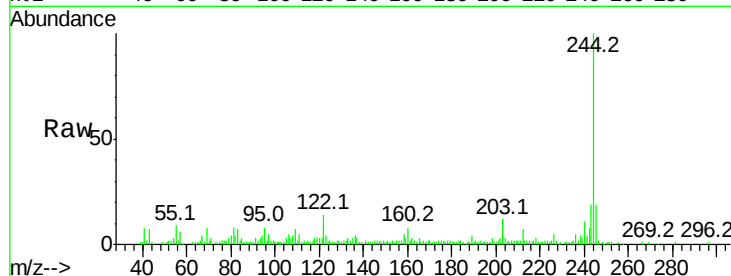
#78
 Terphenyl-d14
 Concen: 4.68 ng
 RT: 13.33 min Scan# 1946
 Delta R.T. -0.02 min
 Lab File: BF094167.D
 Acq: 4 Apr 2017 14:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-U4-NSWDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	14.1	10.3	15.5

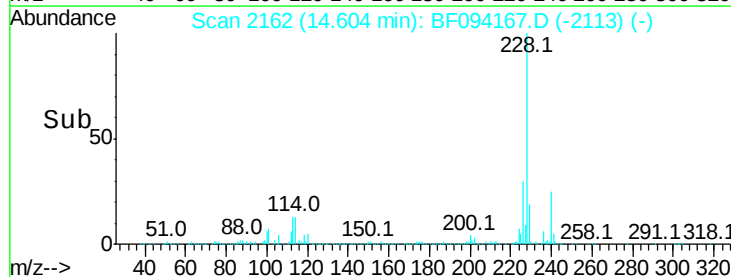
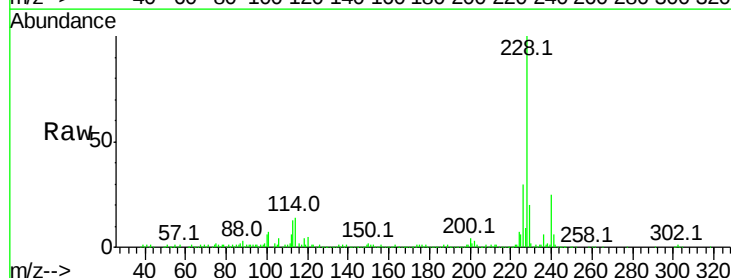
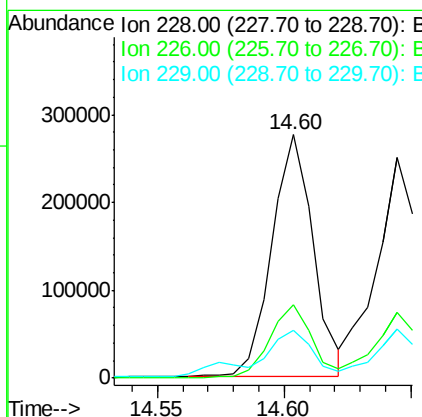
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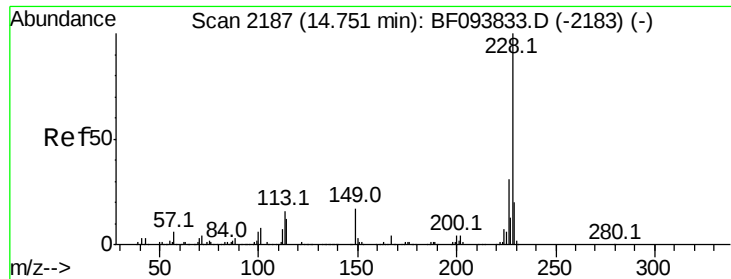
mohammad
 4/4/2017 5:35:51 PM



#80
 Benzo(a)anthracene
 Concen: 18.41 ng
 RT: 14.60 min Scan# 2162
 Delta R.T. -0.01 min
 Lab File: BF094167.D
 Acq: 4 Apr 2017 14:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.6	33.8
229	19.7	16.3	24.5





#82

Chrysene

Concen: 17.84 ng

RT: 14.64 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BF094167.D

Acq: 4 Apr 2017 14:09

Instrument :

BNA_F

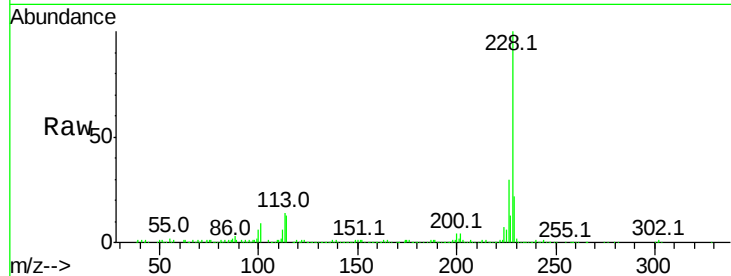
ClientSampleId :

E2-U4-NSWDL

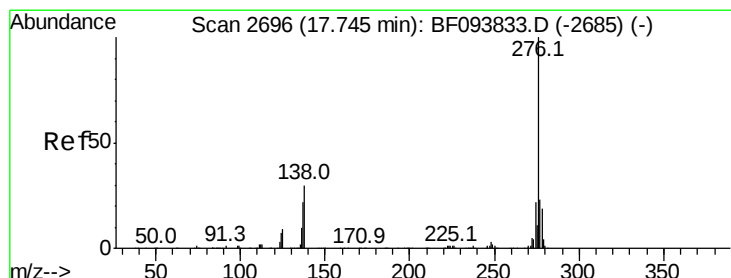
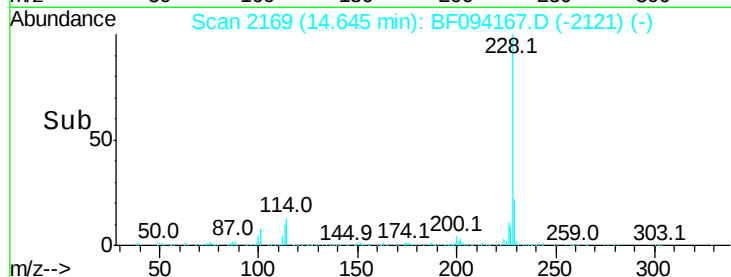
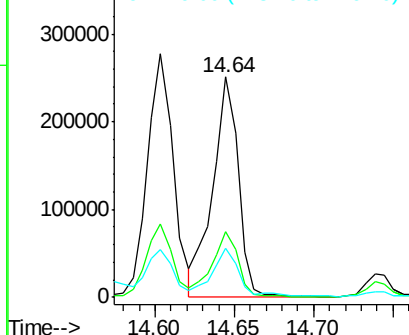
Tot Ion:	228	Resp:	281393
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.9	37.3
229	22.2	15.8	23.6

Manual Integrations
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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.90 ng

RT: 17.59 min Scan# 2669

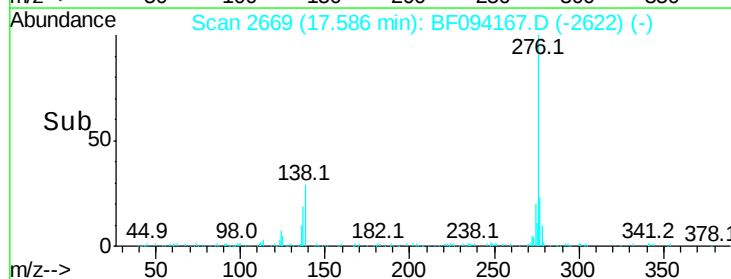
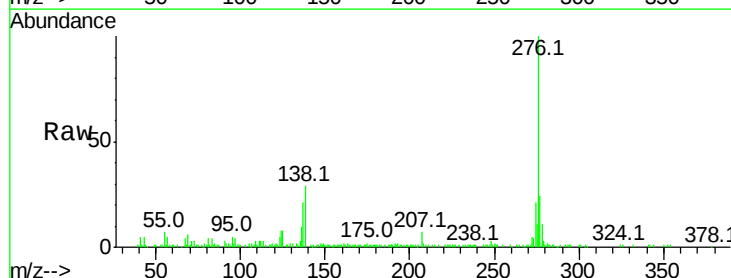
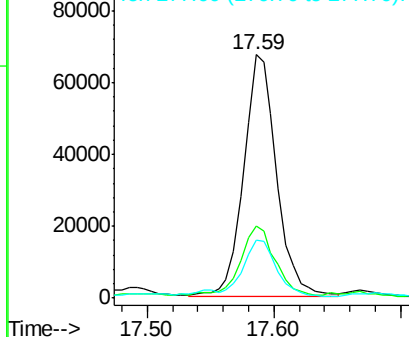
Delta R.T. -0.02 min

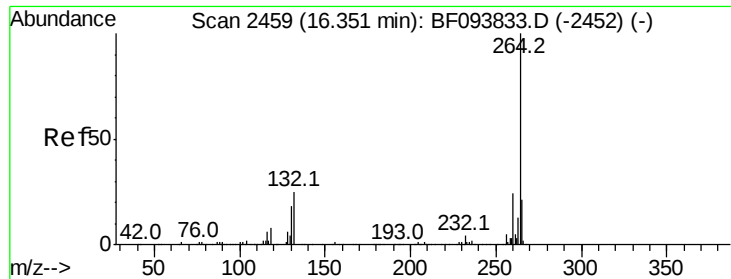
Lab File: BF094167.D

Acq: 4 Apr 2017 14:09

Tgt Ion:	276	Resp:	121526
Ion Ratio	Lower	Upper	
276	100		
138	29.6	27.8	41.6
277	23.0	20.2	30.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





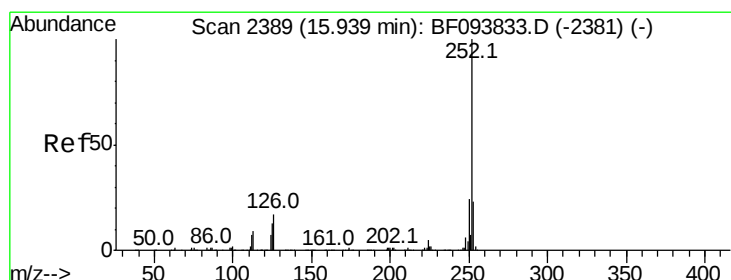
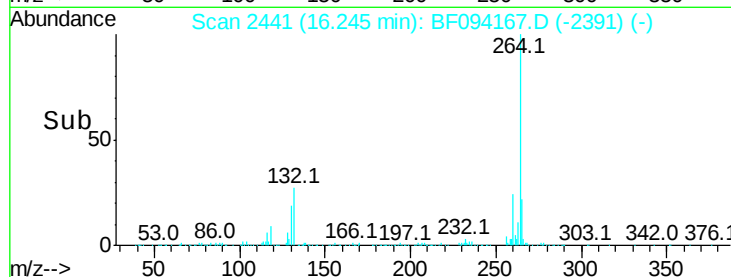
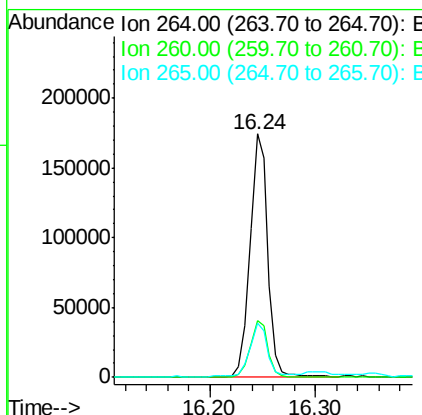
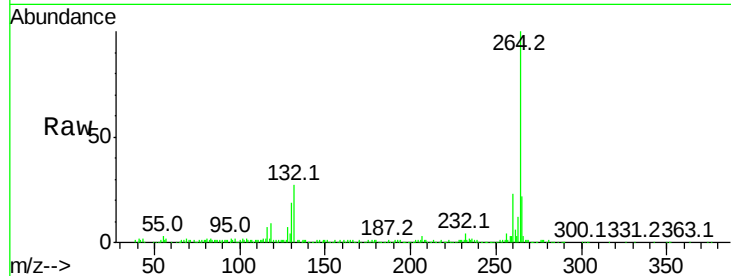
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.24 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BF094167.D
Acq: 4 Apr 2017 14:09

Instrument :
BNA_F
ClientSampleId :
E2-U4-NSWDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	22.3	17.2	25.8

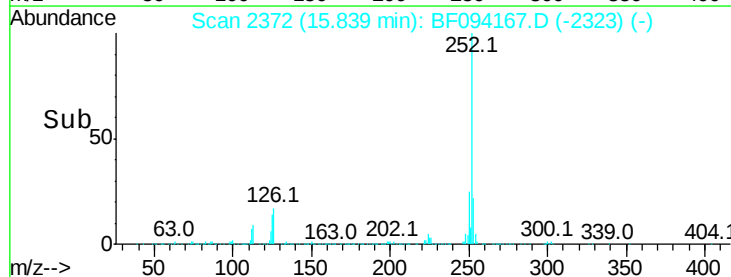
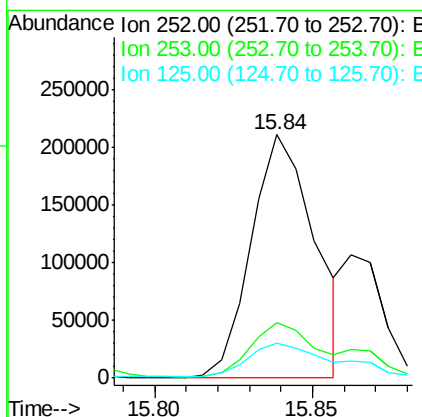
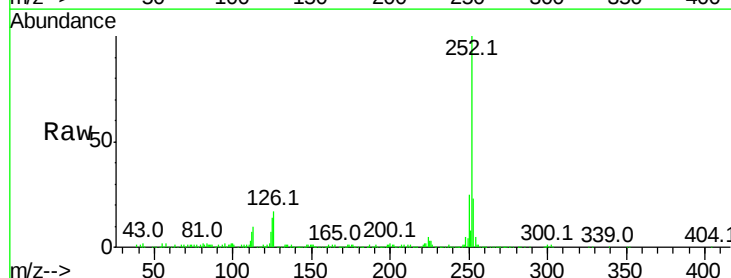
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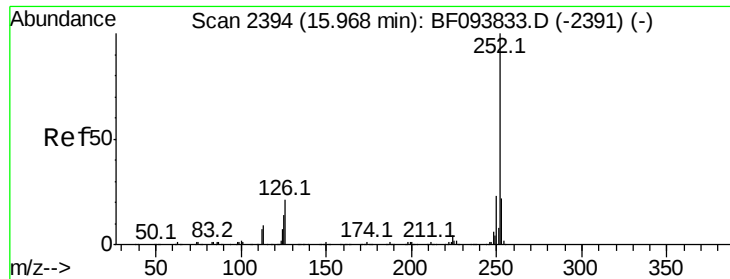
mohammad
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#87
Benzo(b)fluoranthene
Concen: 23.51 ng m
RT: 15.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BF094167.D
Acq: 4 Apr 2017 14:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	14.3	9.8	14.8





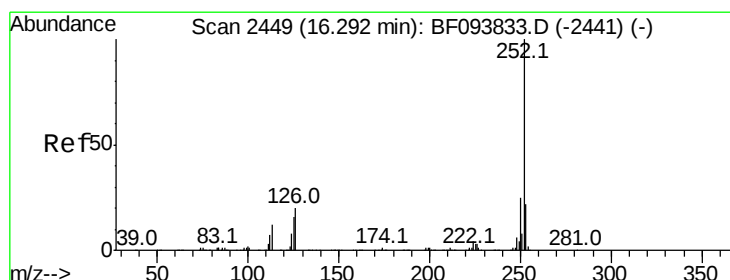
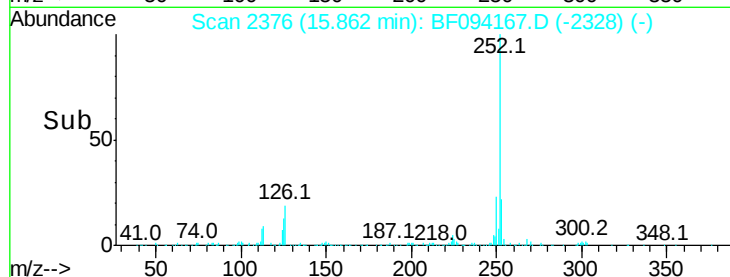
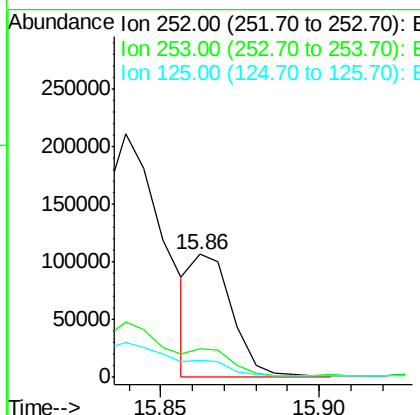
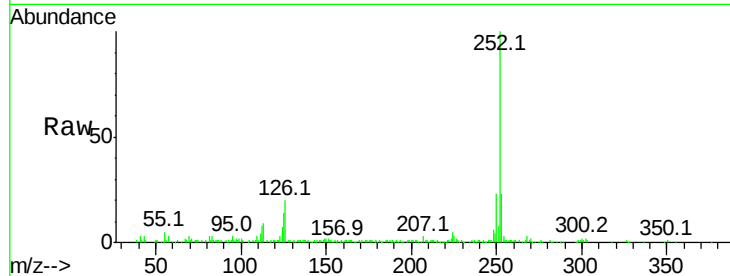
#88
Benzo(k)fluoranthene
Concen: 7.77 ng m
RT: 15.86 min Scan# 2376
Delta R.T. -0.02 min
Lab File: BF094167.D
Acq: 4 Apr 2017 14:09

Instrument :
BNA_F
ClientSampleId :
E2-U4-NSWDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	13.6	13.1	19.7

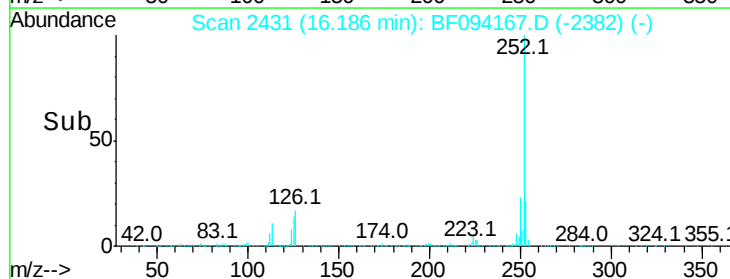
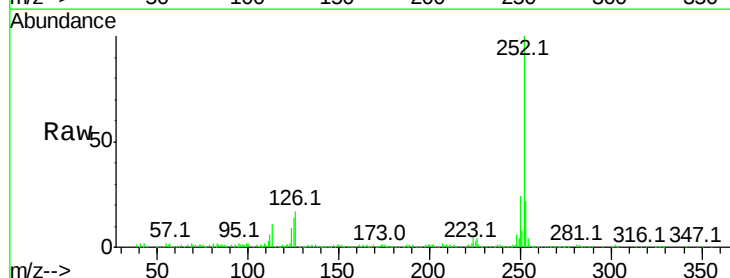
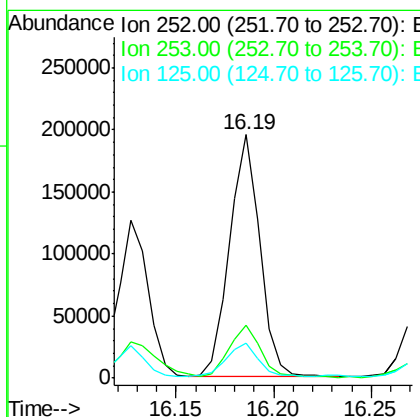
Manual Integrations
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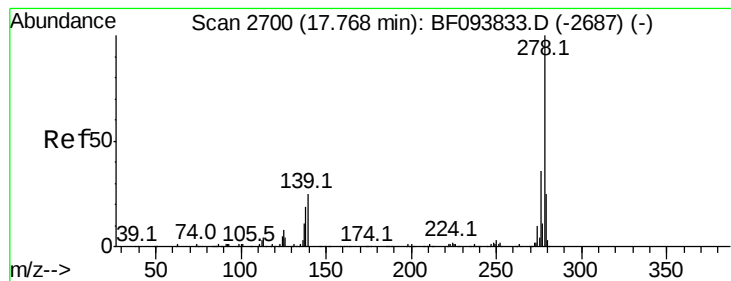
mohammad
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#89
Benzo(a)pyrene
Concen: 18.16 ng
RT: 16.19 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BF094167.D
Acq: 4 Apr 2017 14:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	14.2	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.55 ng

RT: 17.60 min Scan# 2672

Delta R.T. -0.03 min

Lab File: BF094167.D

Acq: 4 Apr 2017 14:09

Instrument :

BNA_F

ClientSampleId :

E2-U4-NSWDL

Tot Ion:278 Resp: 25048

Ion Ratio Lower Upper

278 100

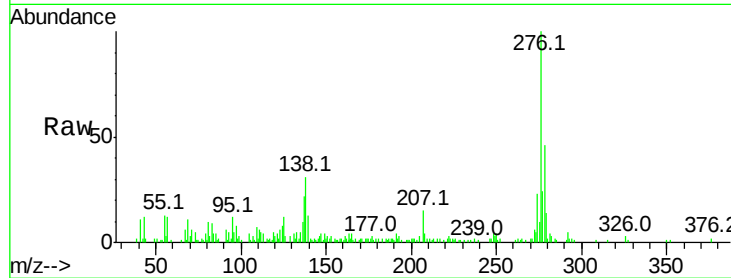
139 27.8 16.6 24.8#

279 31.2 19.3 28.9#

Manual Integrations
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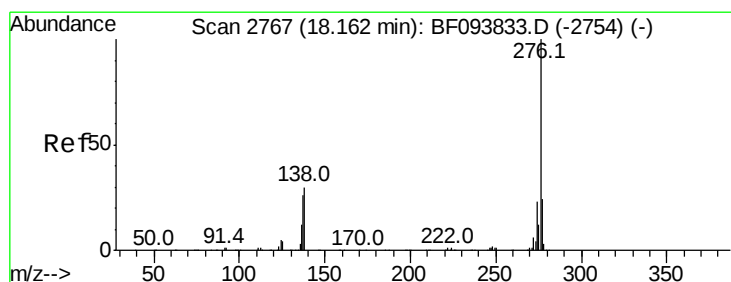
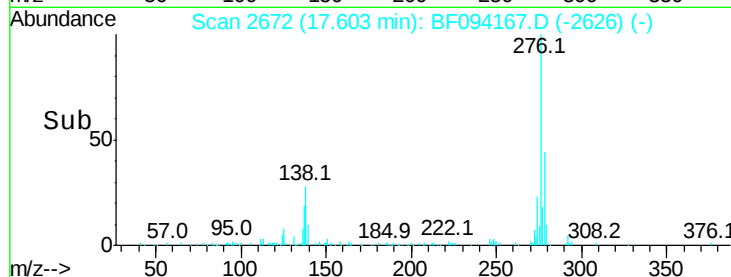
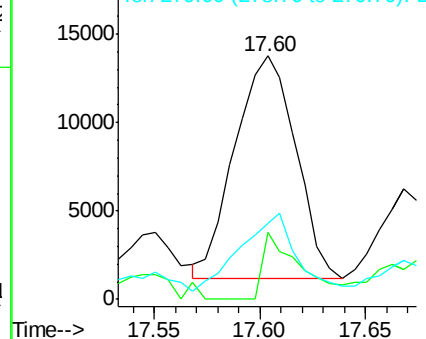
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Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 11.65 ng

RT: 17.99 min Scan# 2737

Delta R.T. -0.02 min

Lab File: BF094167.D

Acq: 4 Apr 2017 14:09

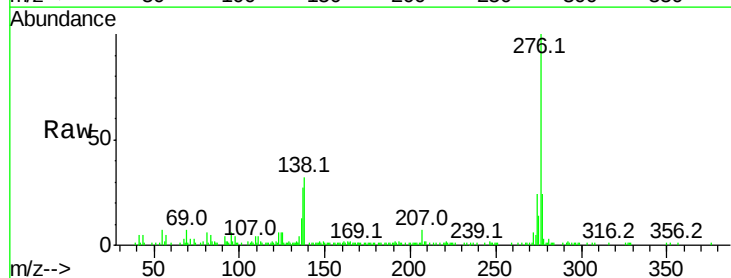
Tgt Ion:276 Resp: 115241

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 31.7 25.4 38.0



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

