

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
 Data File : BF094501.D
 Acq On : 18 Apr 2017 22:05
 Operator : SJ/MA
 Sample : I2708-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-XY9-NSW

Manual Integrations
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 4/19/2017 1:33:44 PM

Quant Time: Apr 19 03:51:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	133579	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	505638	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	217859	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	373039	20.00	ng	0.00
75) Chrysene-d12	14.47	240	287751	20.00	ng	0.00
86) Perylene-d12	16.09	264	278681	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	943116	117.14	ng	0.02
7) Phenol-d6	5.40	99	1269166	133.71	ng	0.00
23) Nitrobenzene-d5	6.42	82	766057	93.55	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	200434	117.62	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	1193120	80.58	ng	0.00
78) Terphenyl-d14	13.20	244	819853	76.16	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.29	128	168167	6.92	ng	99
37) 2-Methylnaphthalene	8.13	142	120732	7.26	ng	96
49) Dimethylphthalate	9.09	163	583605	35.95	ng	99
54) Dibenzofuran	9.65	168	56937	2.96	ng	97
57) Fluorene	10.07	166	36929	2.47	ng	# 94
70) Phenanthrene	11.25	178	423095	20.14	ng	98
71) Anthracene	11.31	178	68353	3.15	ng	97
74) Fluoranthene	12.71	202	426970	19.61	ng	100
77) Pyrene	12.98	202	336167	16.72	ng	98
80) Benzo(a)anthracene	14.45	228	158649	9.49	ng	94
82) Chrysene	14.49	228	181330m	11.86	ng	
85) Indeno(1,2,3-cd)pyrene	17.36	276	78158	5.37	ng	98
87) Benzo(b)fluoranthene	15.69	252	204975m	12.02	ng	
88) Benzo(k)fluoranthene	15.71	252	67683m	4.20	ng	
89) Benzo(a)pyrene	16.03	252	137246	8.65	ng	99
91) Benzo(g,h,i)perylene	17.74	276	70410	5.25	ng	98

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

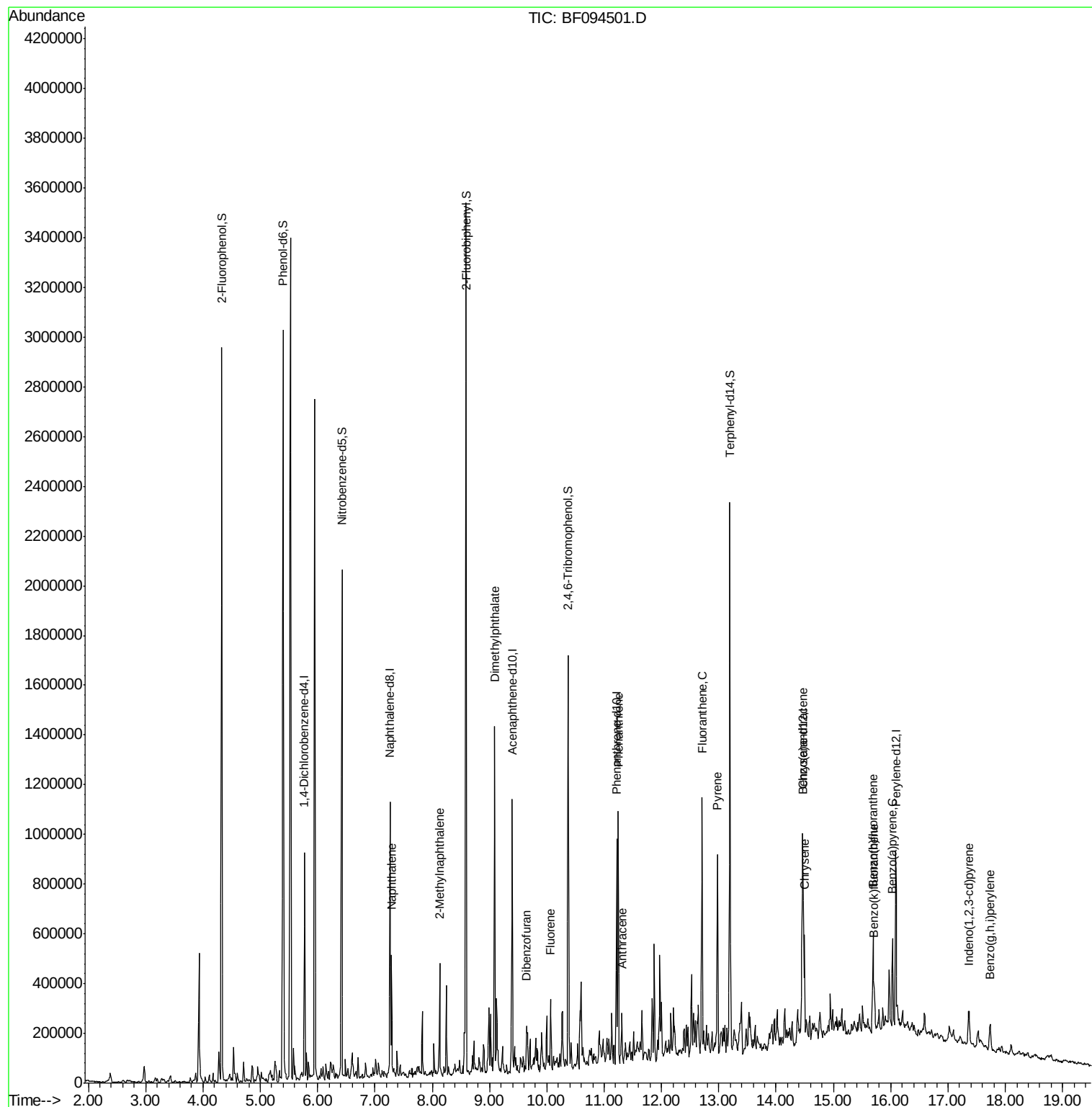
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
Data File : BF094501.D
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ALS Vial : 13 Sample Multiplier: 1

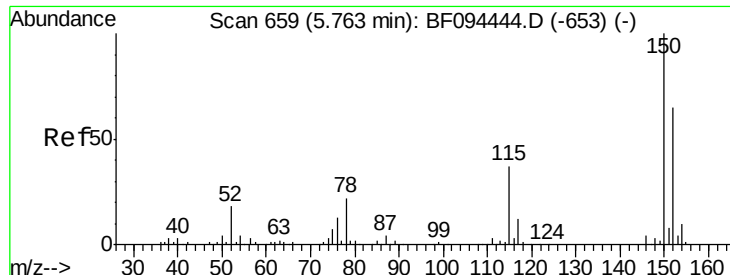
Instrument :
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#1

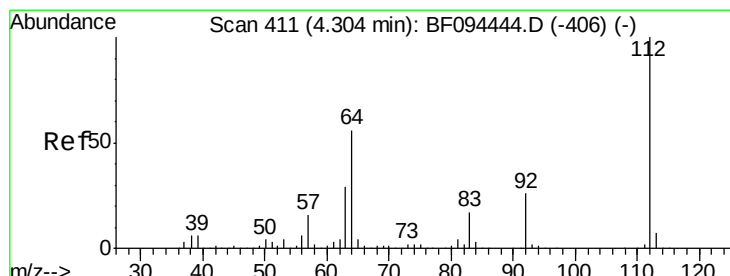
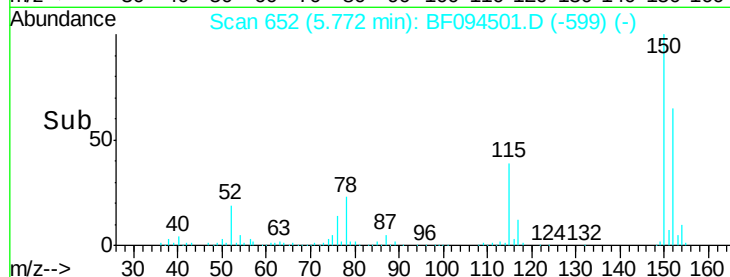
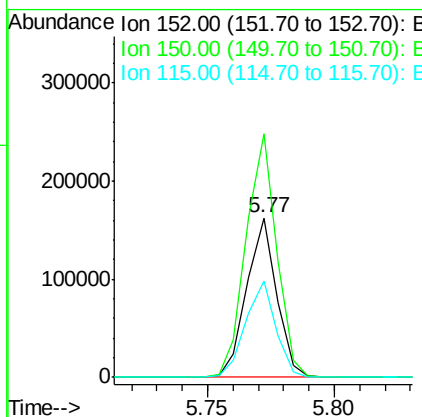
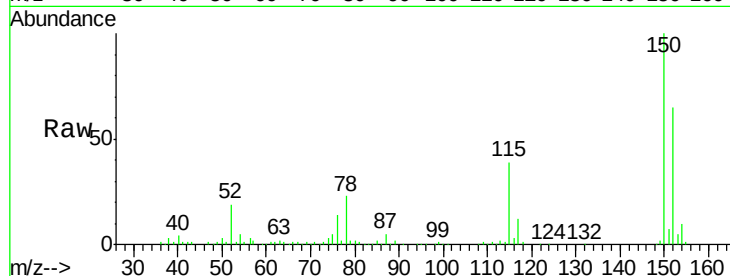
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094501.D
Acq: 18 Apr 2017 22:05

Instrument :
BNA_F
ClientSampleId :
E2-XY9-NSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	126.2	189.2
115	60.2	52.2	78.2

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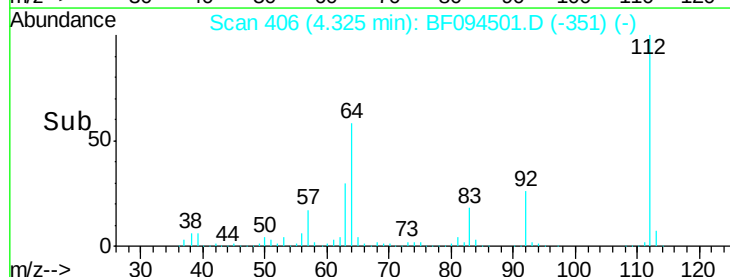
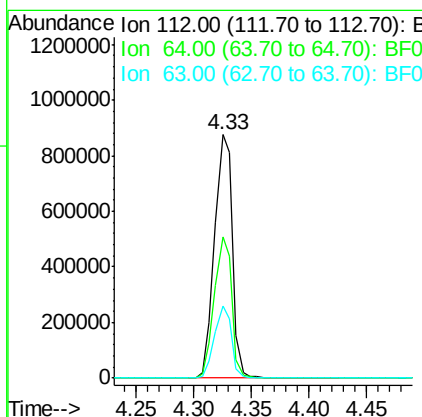
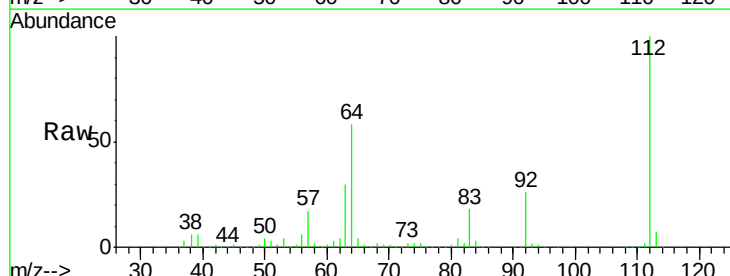
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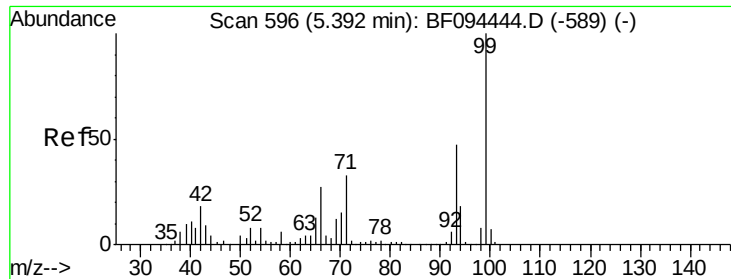


#5

2-Fluorophenol
Concen: 117.14 ng
RT: 4.33 min Scan# 406
Delta R.T. 0.02 min
Lab File: BF094501.D
Acq: 18 Apr 2017 22:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.0	69.0
63	29.5	23.4	35.0





#7

Phenol-d6

Concen: 133.71 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094501.D

Acq: 18 Apr 2017 22:05

Instrument :

BNA_F

ClientSampleId :

E2-XY9-NSW

Tot Ion: 99 Resp: 1269166

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

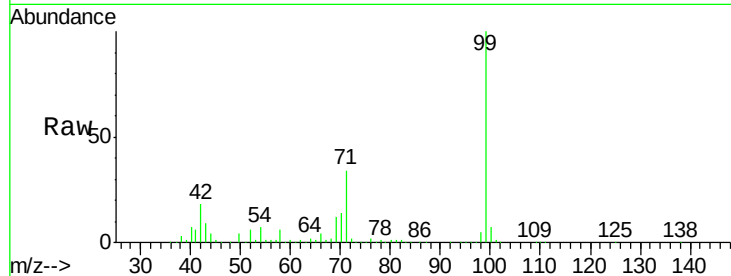
71 34.2 24.5 36.7

Manual Integrations

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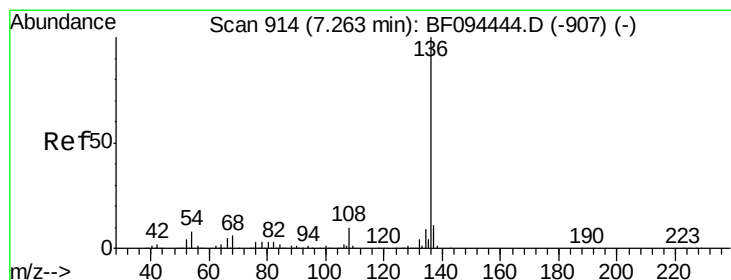
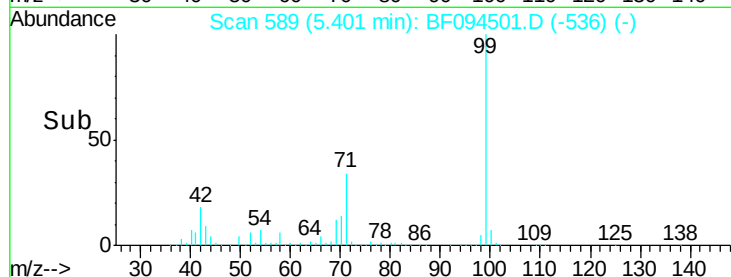
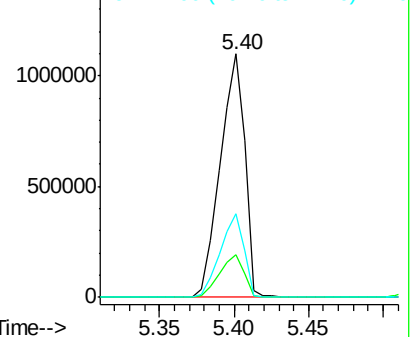
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.27 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF094501.D

Acq: 18 Apr 2017 22:05

Tgt Ion: 136 Resp: 505638

Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.9 4.9 7.3

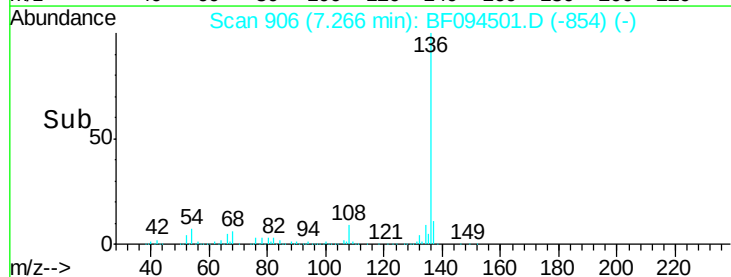
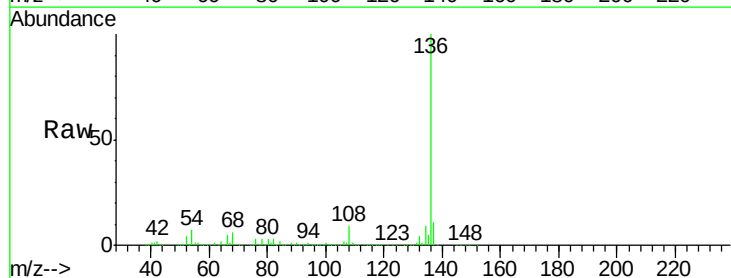
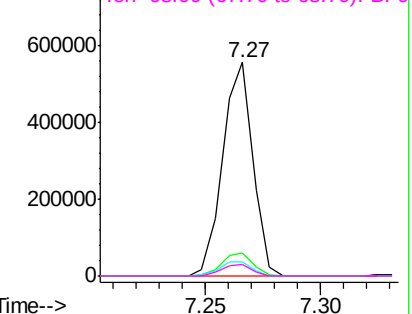
68 5.6 4.1 6.1

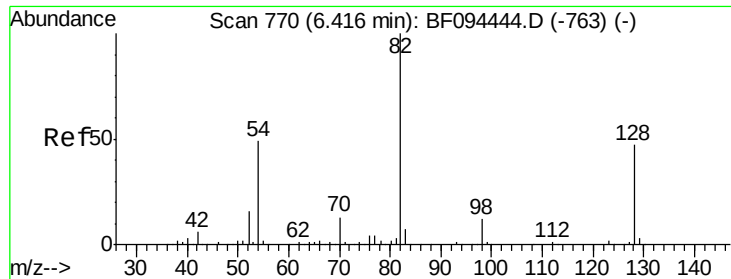
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





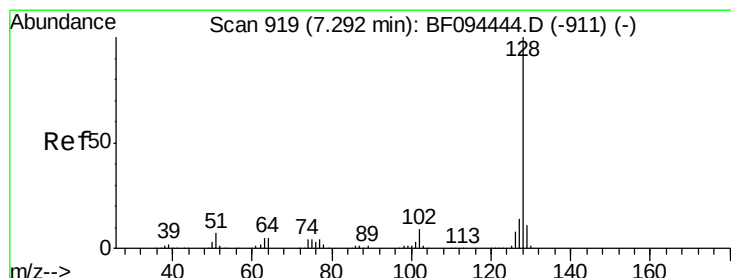
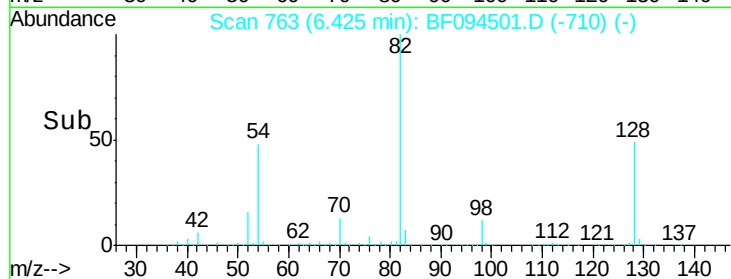
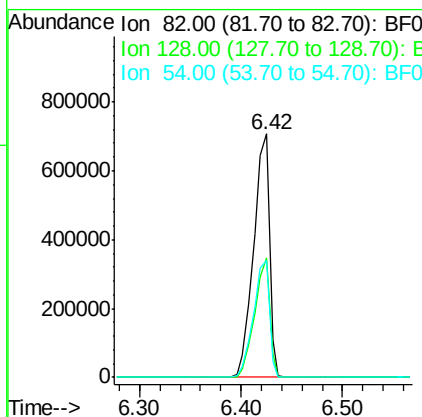
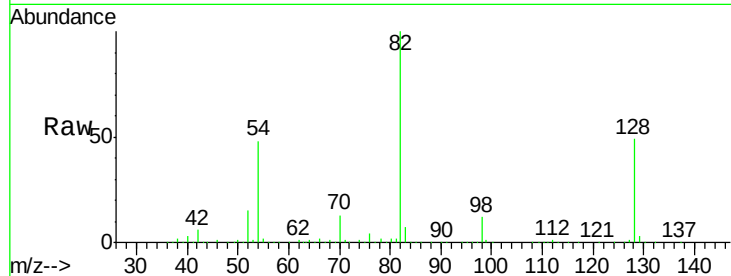
#23
 Nitrobenzene-d5
 Concen: 93.55 ng
 RT: 6.42 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BF094501.D
 Acq: 18 Apr 2017 22:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-XY9-NSW

Tot Ion:	82	Resp:	766057
Ion Ratio	Lower	Upper	
82	100		
128	49.2	34.0	51.0
54	47.8	42.2	63.2

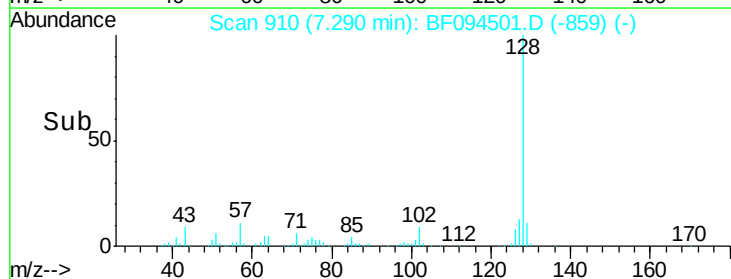
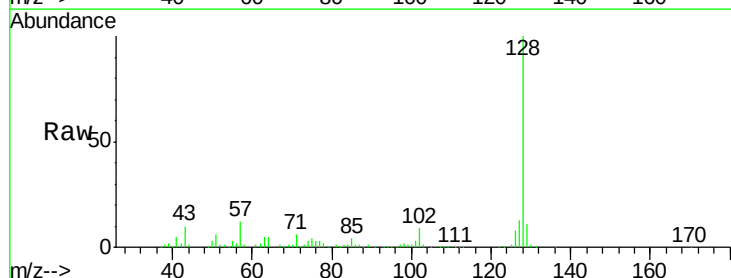
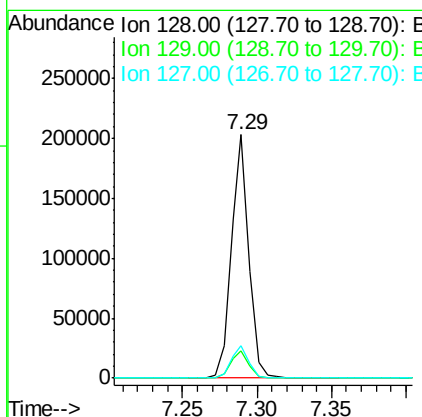
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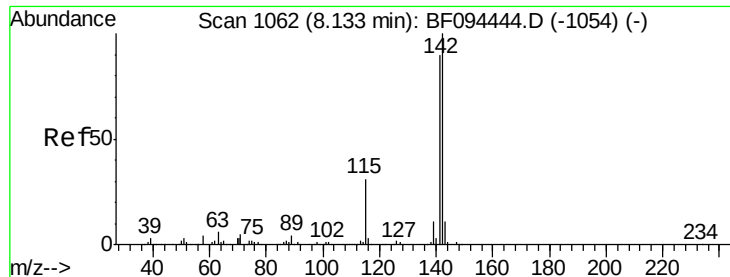
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#31
 Naphthalene
 Concen: 6.92 ng
 RT: 7.29 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BF094501.D
 Acq: 18 Apr 2017 22:05

Tgt Ion:	128	Resp:	168167
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.0	13.6
127	13.3	10.8	16.2





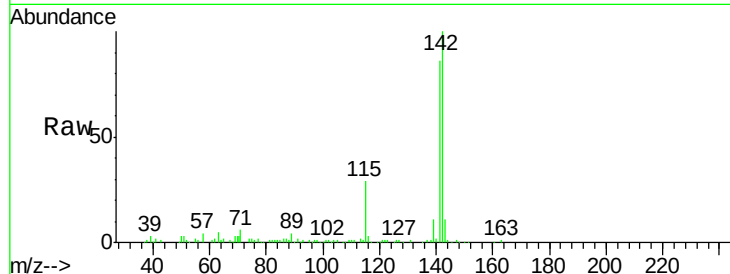
#37
 2-Methylnaphthalene
 Concen: 7.26 ng
 RT: 8.13 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: BF094501.D
 Acq: 18 Apr 2017 22:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-XY9-NSW

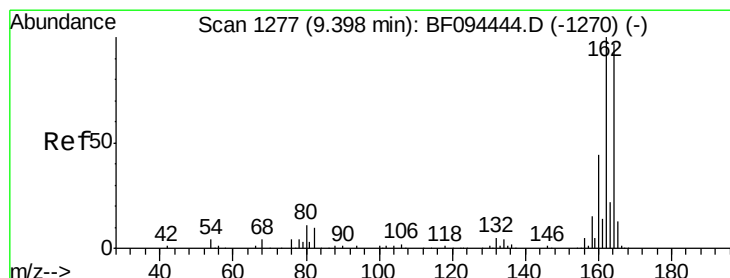
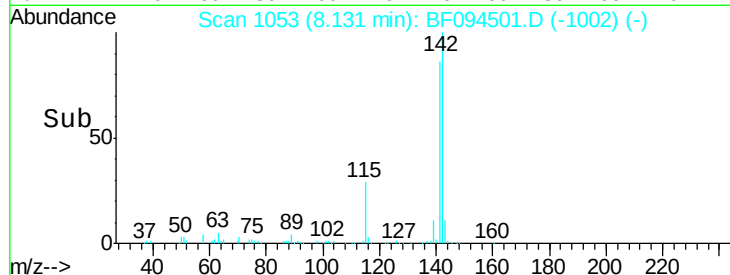
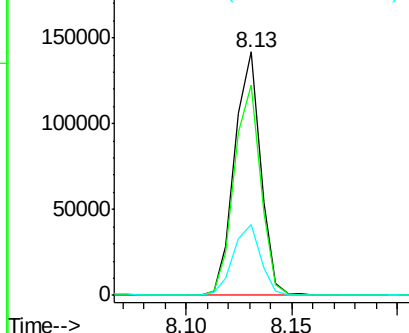
Tot Ion	Ratio	Lower	Upper
142	100		
141	86.4	71.3	106.9
115	28.9	27.1	40.7

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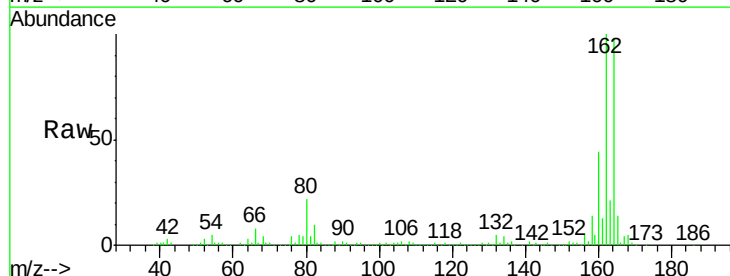


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

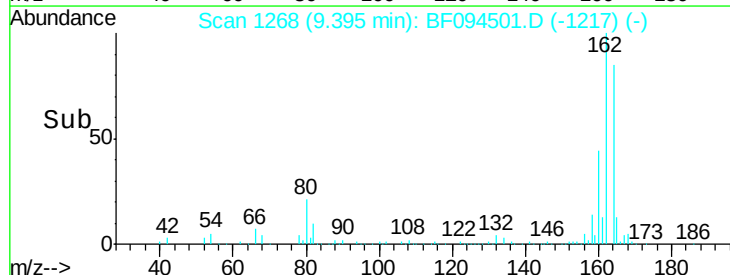
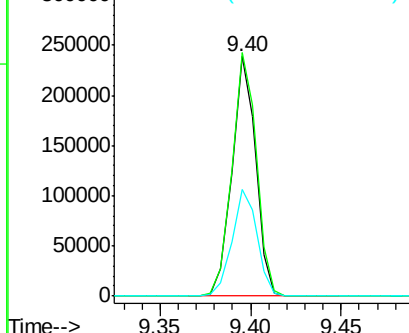


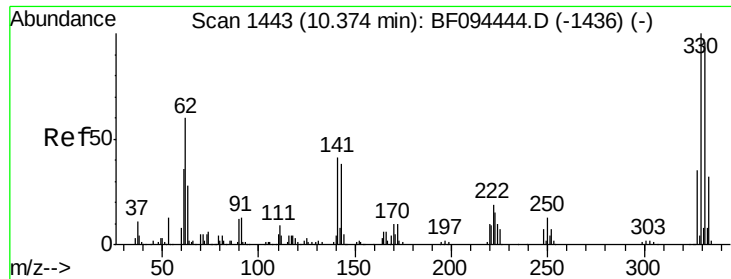
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF094501.D
 Acq: 18 Apr 2017 22:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.6	123.8
160	44.8	36.2	54.2



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





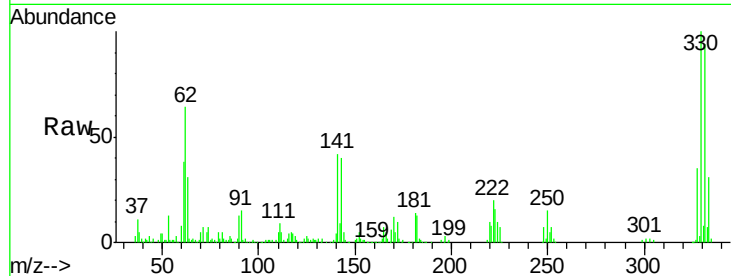
#41
 2,4,6-Tribromophenol
 Concen: 117.62 ng
 RT: 10.37 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BF094501.D
 Acq: 18 Apr 2017 22:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-XY9-NSW

Tot Ion	Ratio	Resp	Lower	Upper
330	100	200434		
332	96.6		76.6	115.0
141	42.2		31.4	47.2

Manual Integrations
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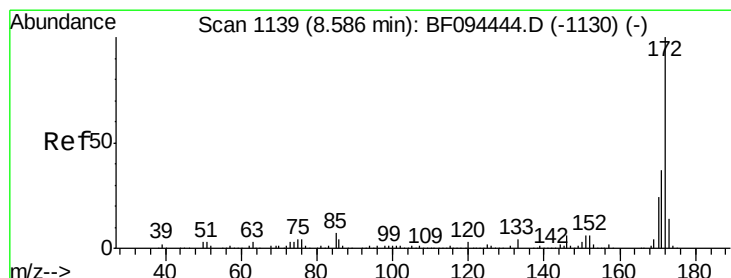
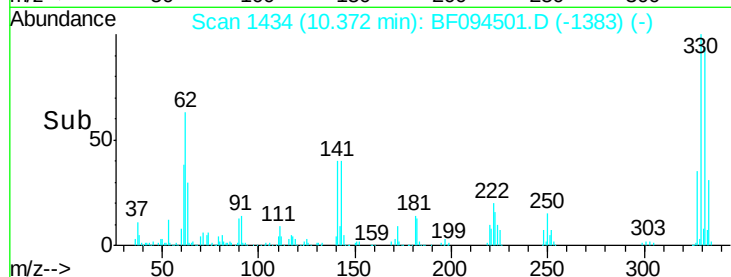
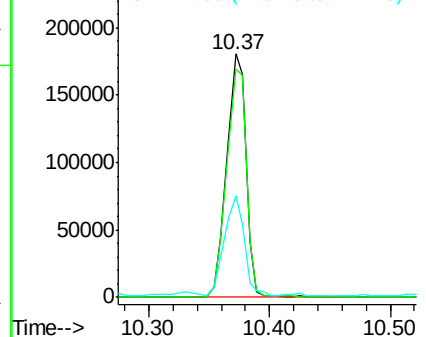


Abundance

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: 80.58 ng
 RT: 8.59 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: BF094501.D
 Acq: 18 Apr 2017 22:05

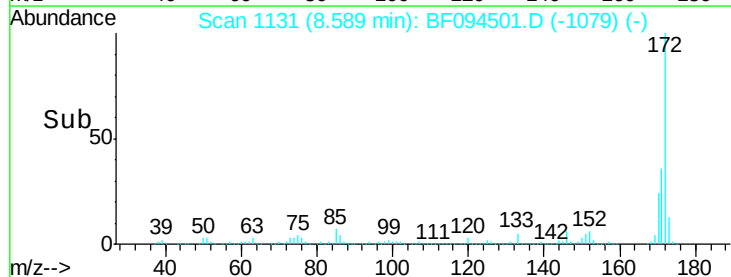
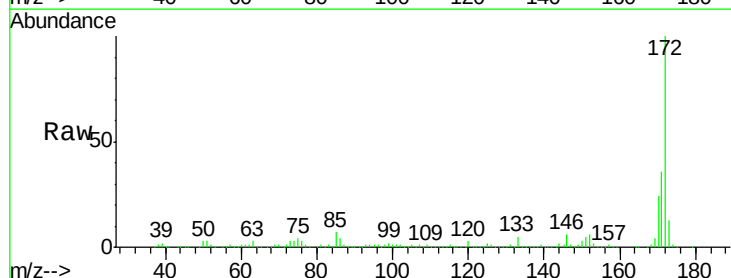
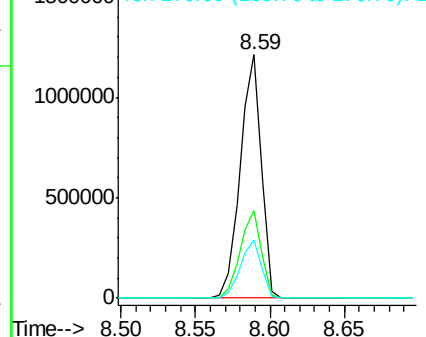
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1193120		
171	36.1		29.6	44.4
170	24.1		19.8	29.8

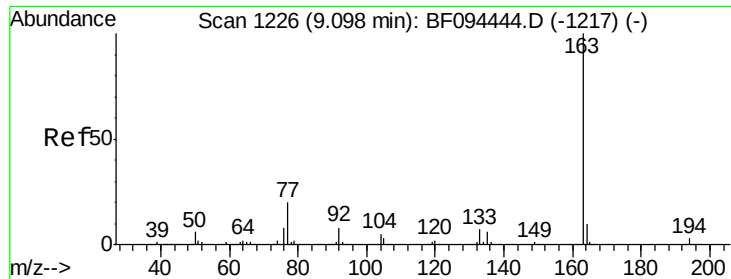
Abundance

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





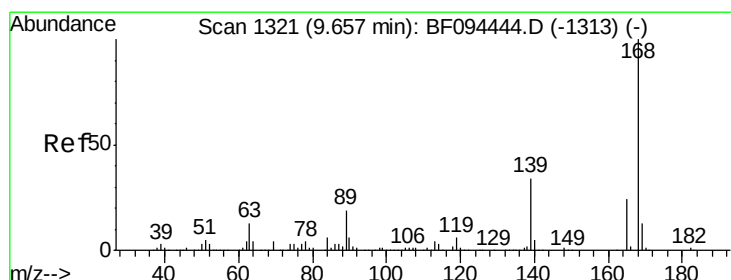
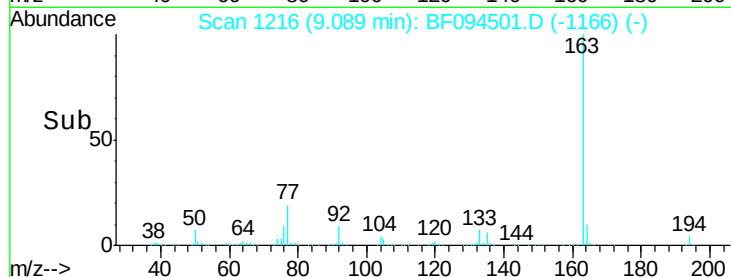
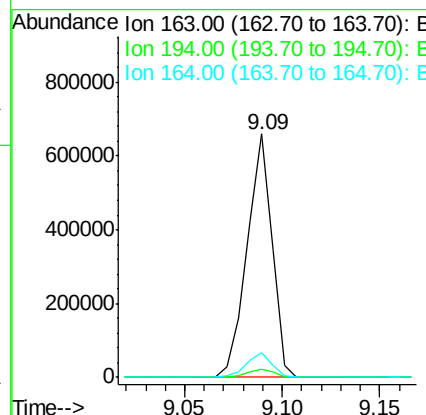
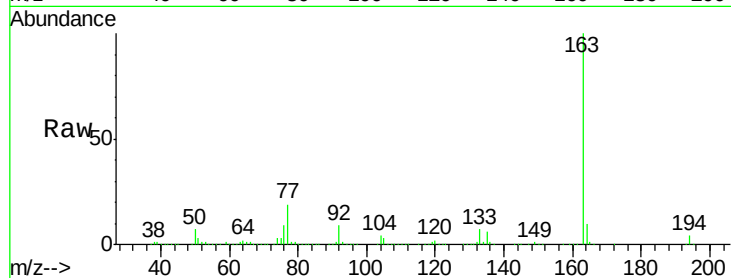
#49
Dimethylphthalate
Concen: 35.95 ng
RT: 9.09 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF094501.D
Acq: 18 Apr 2017 22:05

Instrument :
BNA_F
ClientSampleId :
E2-XY9-NSW

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.2	8.4	12.6

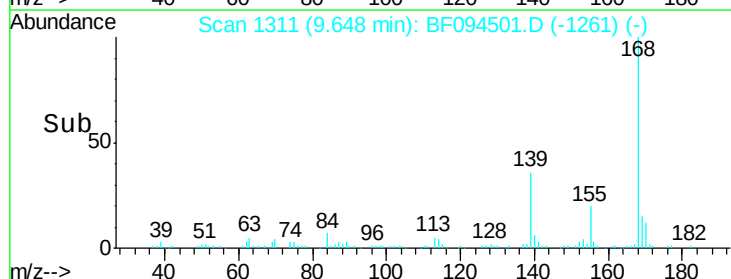
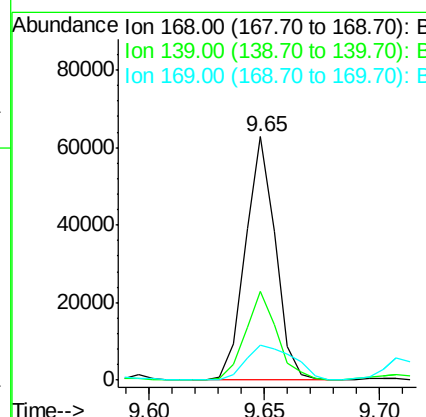
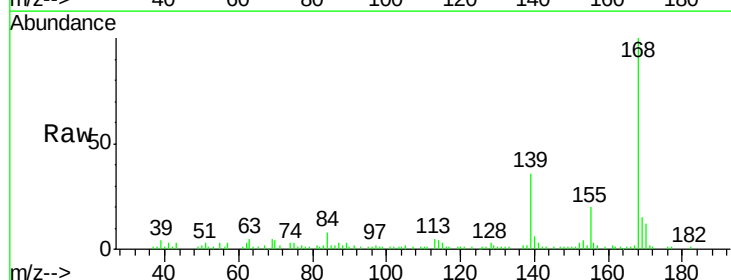
Manual Integrations
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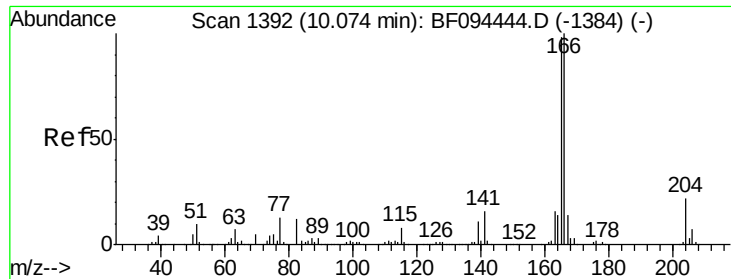
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#54
Dibenzofuran
Concen: 2.96 ng
RT: 9.65 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF094501.D
Acq: 18 Apr 2017 22:05

Tgt Ion	Ratio	Resp Lower	Upper
168	100		
139	36.2	30.6	45.8
169	14.5	10.8	16.2





#57

Fluorene

Concen: 2.47 ng

RT: 10.07 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF094501.D

Acq: 18 Apr 2017 22:05

Instrument :

BNA_F

ClientSampled :

E2-XY9-NSW

Tot Ion:166 Resp: 36929

Ion Ratio Lower Upper

166 100

165 104.0 78.8 118.2

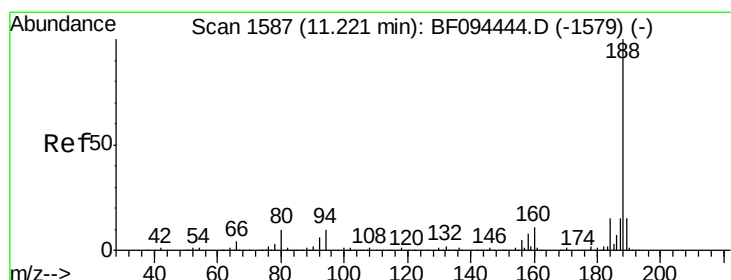
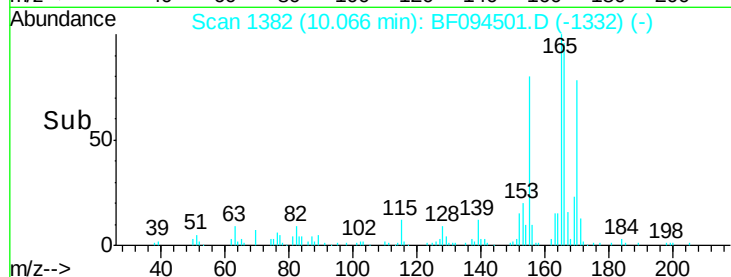
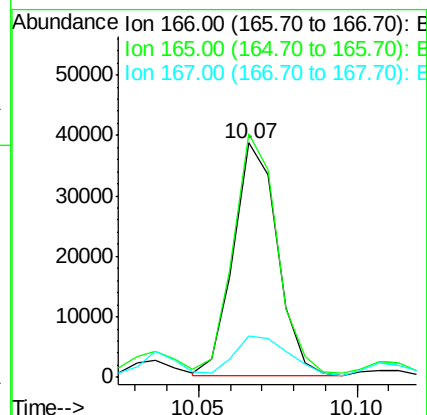
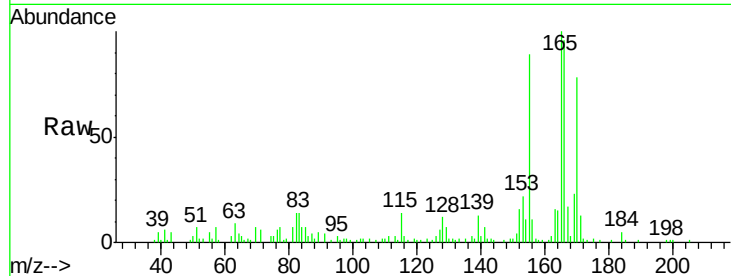
167 17.7 10.6 16.0#

Manual Integrations

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#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF094501.D

Acq: 18 Apr 2017 22:05

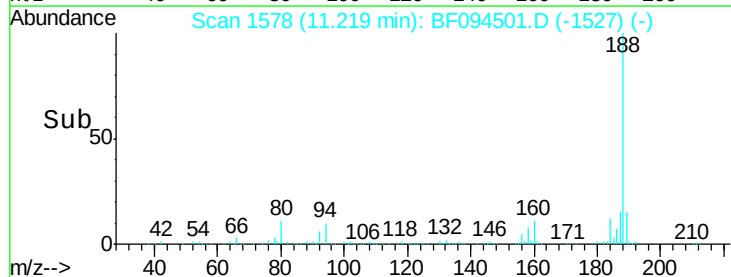
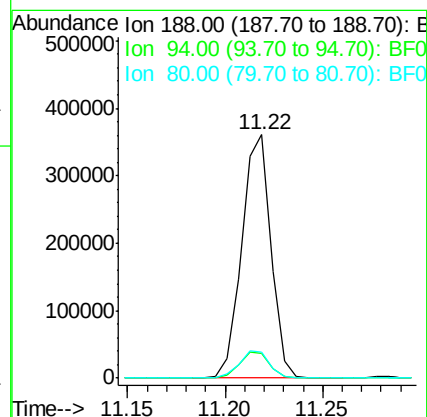
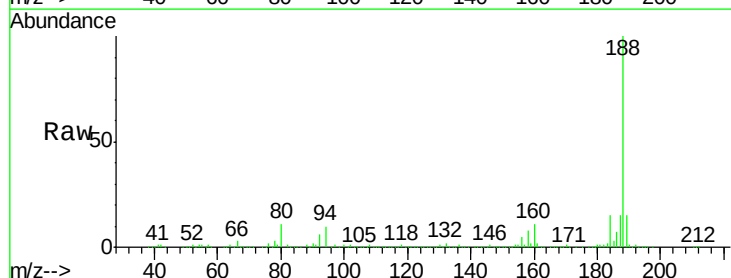
Tgt Ion:188 Resp: 373039

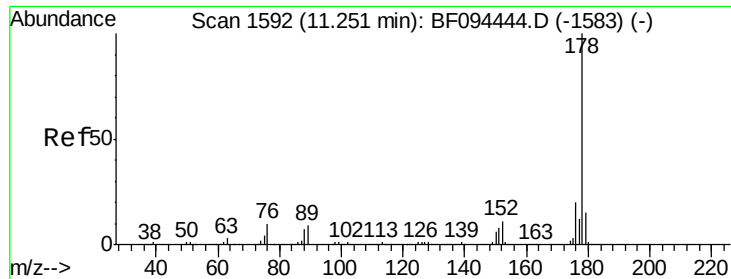
Ion Ratio Lower Upper

188 100

94 9.9 9.4 14.2

80 10.9 10.2 15.2





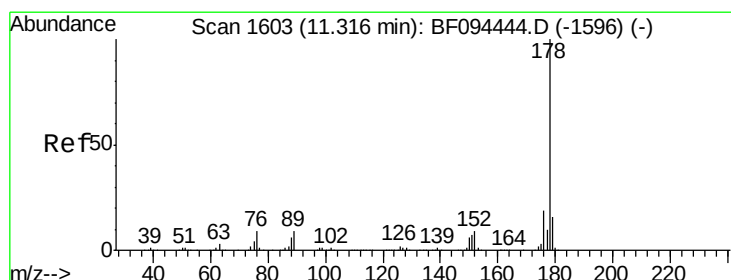
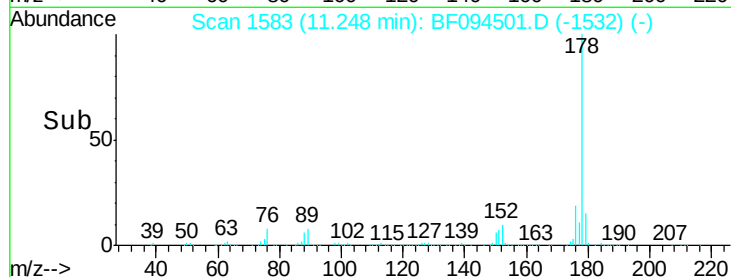
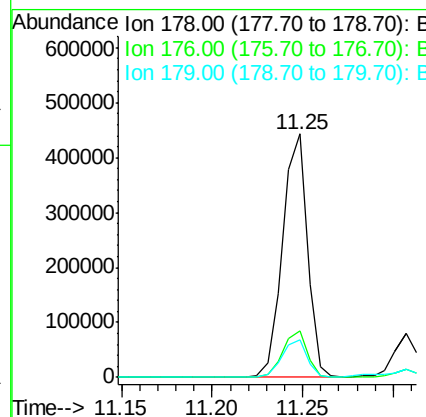
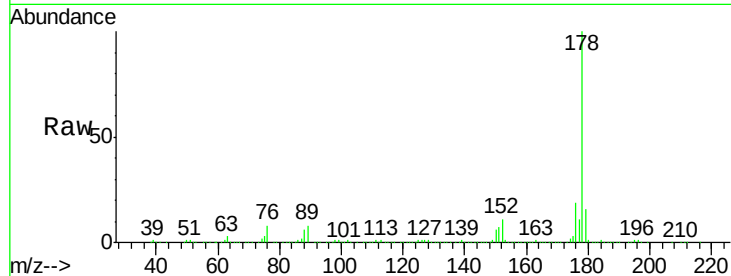
#70
Phenanthrene
Concen: 20.14 ng
RT: 11.25 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF094501.D
Acq: 18 Apr 2017 22:05

Instrument :
BNA_F
ClientSampleId :
E2-XY9-NSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	15.6	12.6	19.0

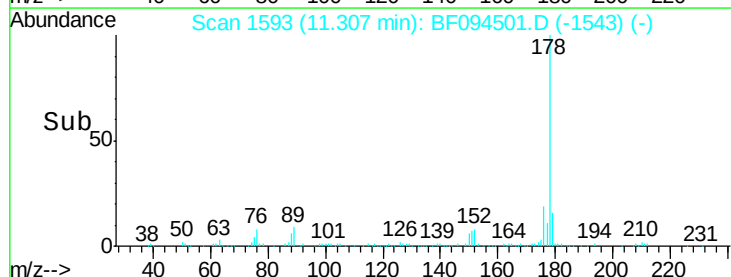
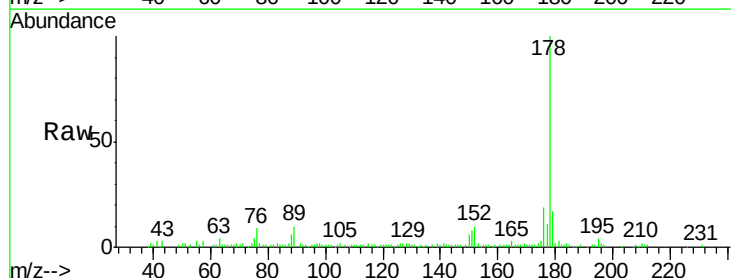
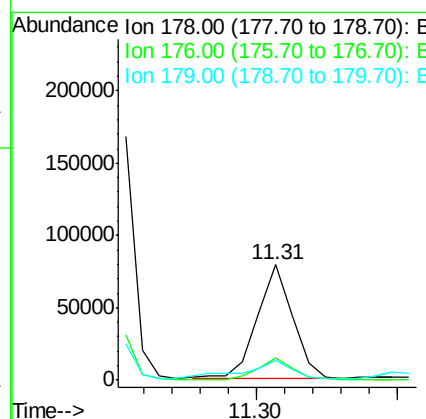
Manual Integrations
APPROVED

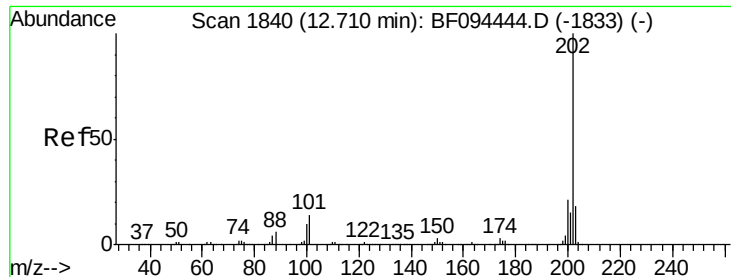
mohammad
4/19/2017 1:33:44 PM



#71
Anthracene
Concen: 3.15 ng
RT: 11.31 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF094501.D
Acq: 18 Apr 2017 22:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	17.3	12.7	19.1





#74

Fluoranthene

Concen: 19.61 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF094501.D

Acq: 18 Apr 2017 22:05

Instrument :

BNA_F

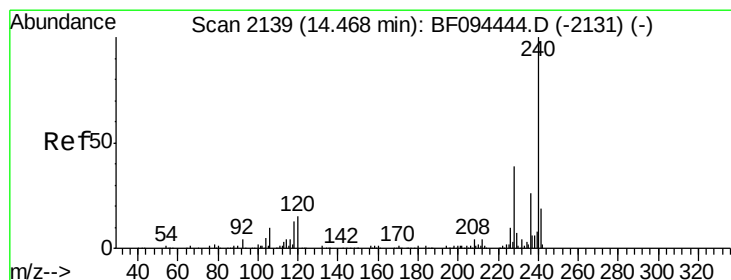
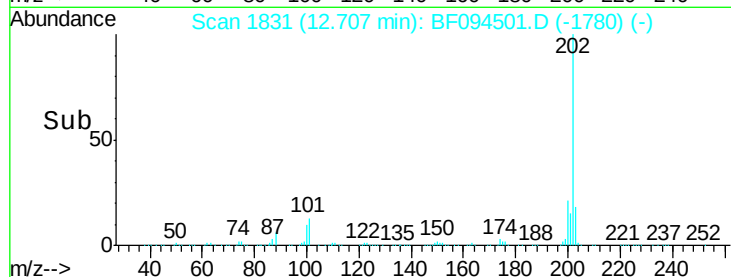
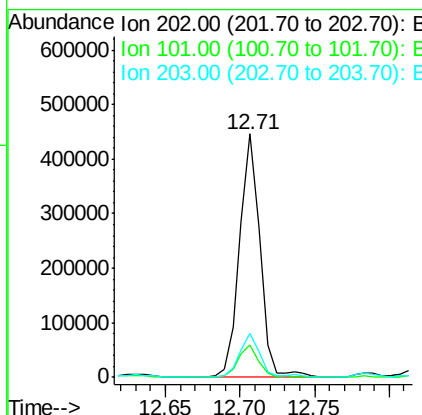
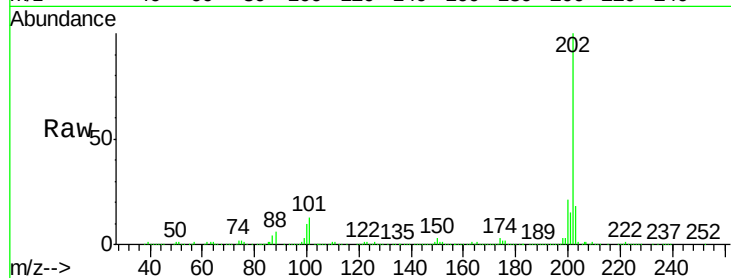
ClientSampleId :

E2-XY9-NSW

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		426970		
101	13.5	0.0	33.2		
203	18.1	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

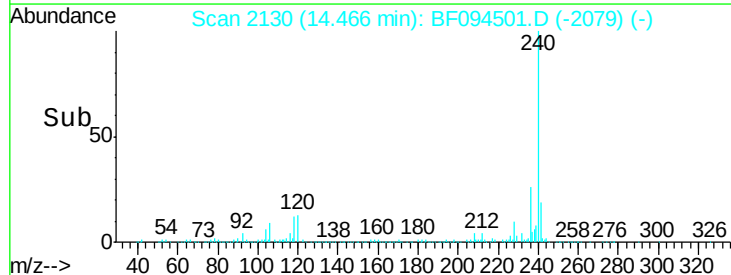
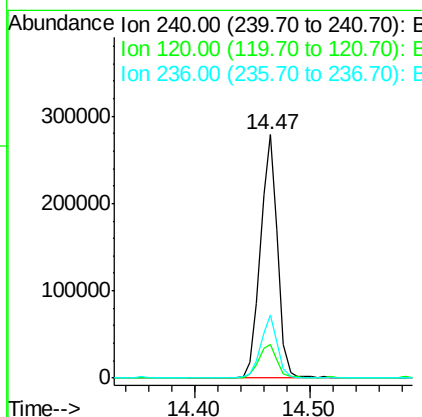
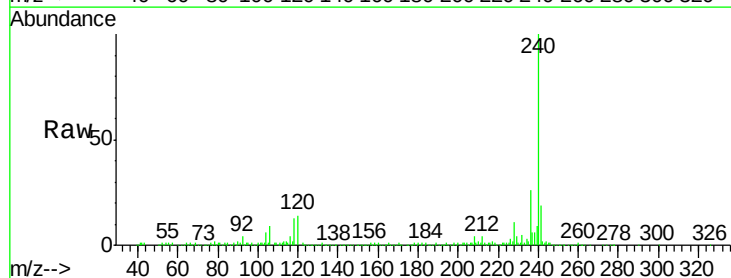
RT: 14.47 min Scan# 2130

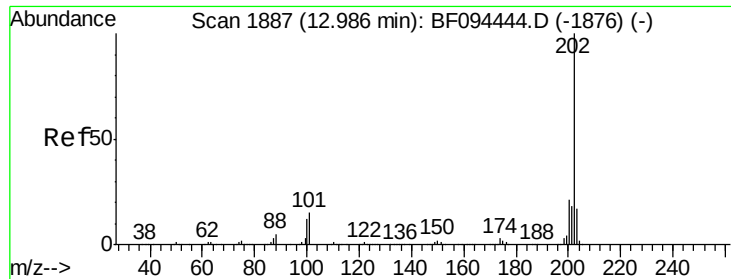
Delta R.T. -0.00 min

Lab File: BF094501.D

Acq: 18 Apr 2017 22:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		287751		
120	13.6	5.8	8.8#		
236	26.1	20.5	30.7		





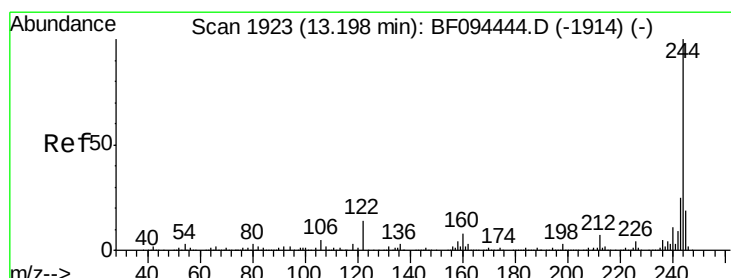
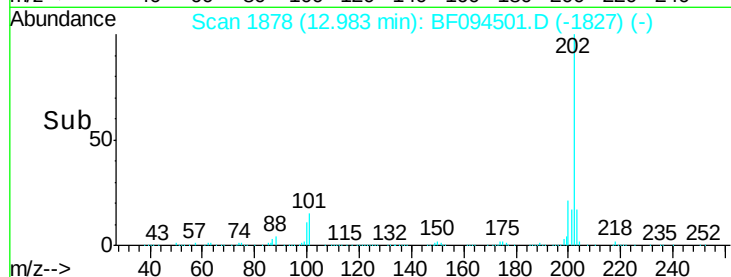
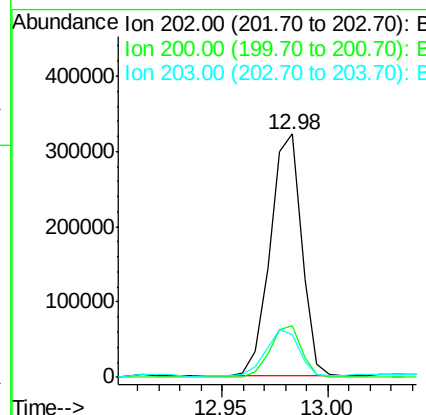
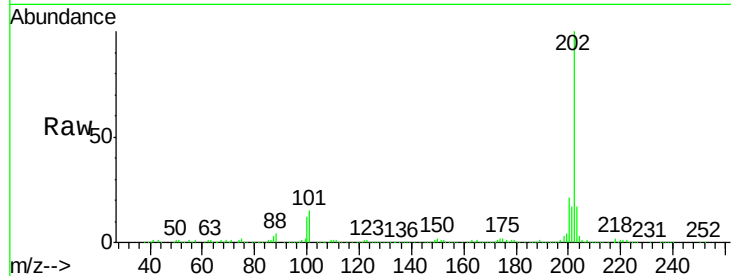
#77
 Pvrene
 Concen: 16.72 ng
 RT: 12.98 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: BF094501.D
 Acq: 18 Apr 2017 22:05

Instrument :
 BNA_F
 ClientSampleId :
 E2-XY9-NSW

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	17.3	14.4	21.6

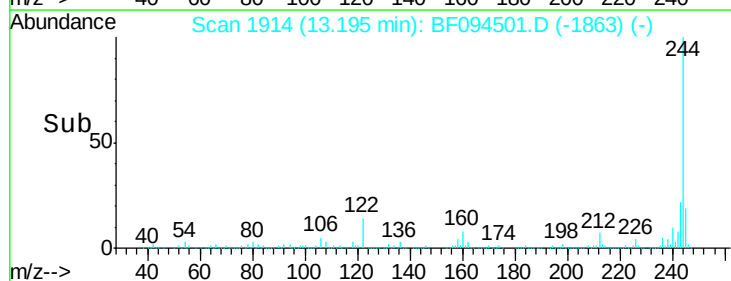
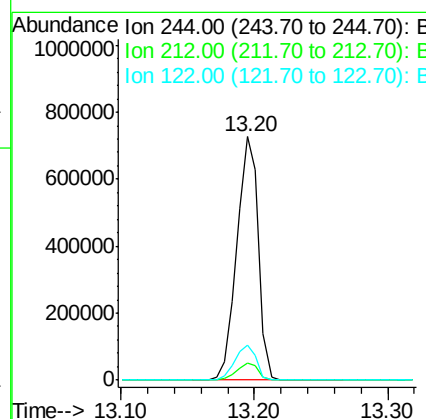
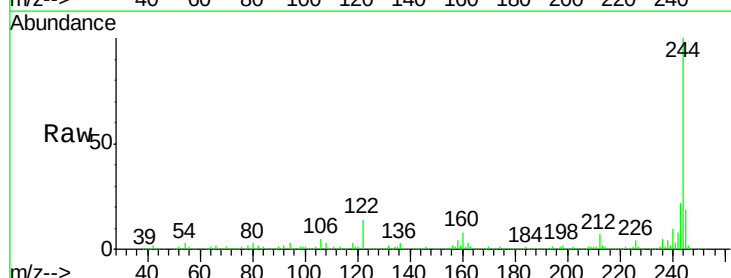
Manual Integrations
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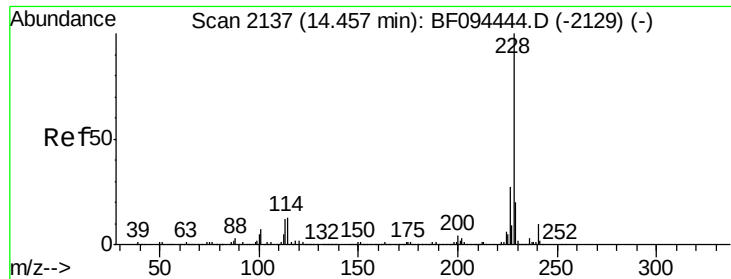
mohammad
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#78
 Terphenyl-d14
 Concen: 76.16 ng
 RT: 13.20 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: BF094501.D
 Acq: 18 Apr 2017 22:05

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





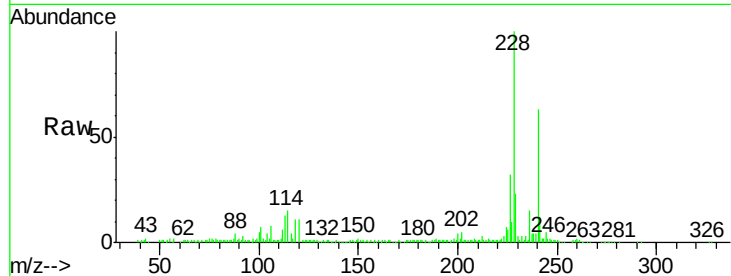
#80
Benzo(a)anthracene
Concen: 9.49 ng
RT: 14.45 min Scan# 2128
Delta R.T. -0.00 min
Lab File: BF094501.D
Acq: 18 Apr 2017 22:05

Instrument :
BNA_F
ClientSampleId :
E2-XY9-NSW

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.6	33.8
229	22.8	16.3	24.5

Manual Integrations
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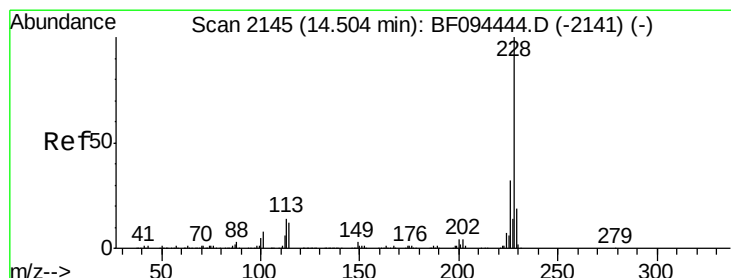
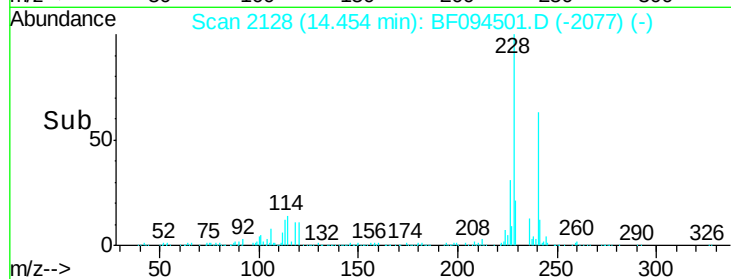
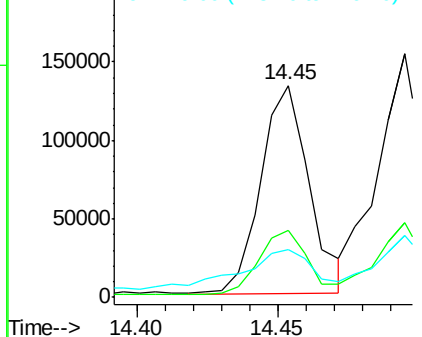


Abundance

Ion 228.00 (227.70 to 228.70): E

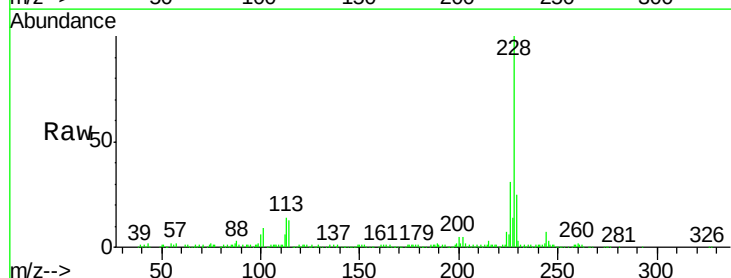
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
Chrysene
Concen: 11.86 ng m
RT: 14.49 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BF094501.D
Acq: 18 Apr 2017 22:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	25.3	15.8	23.6#

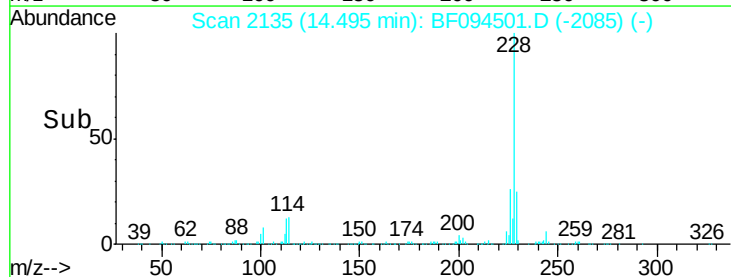
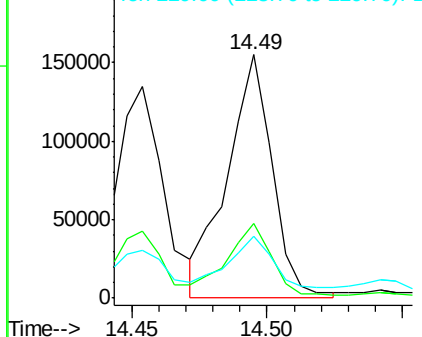


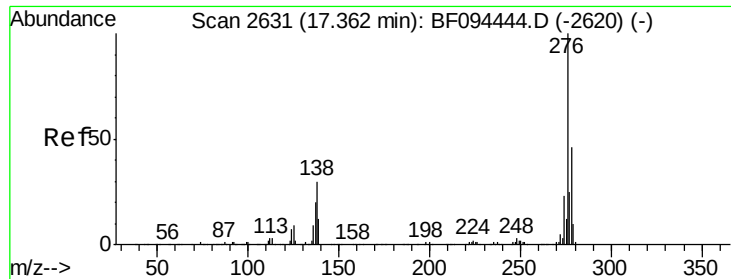
Abundance

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





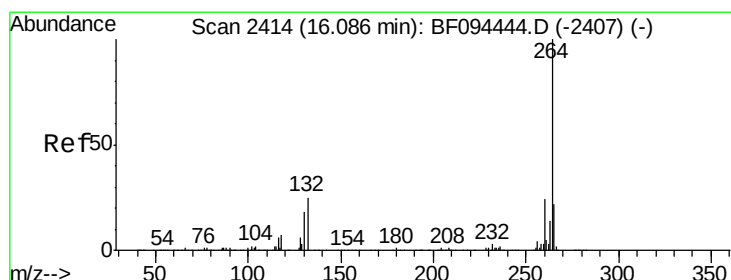
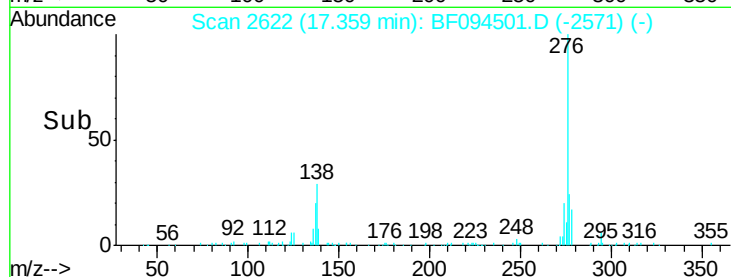
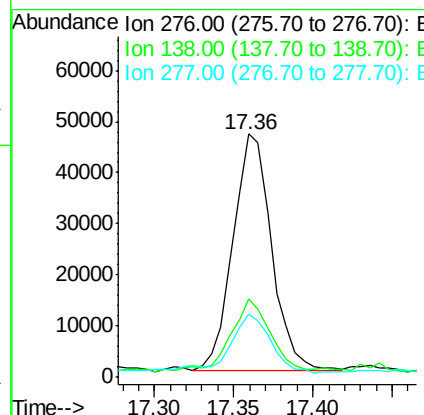
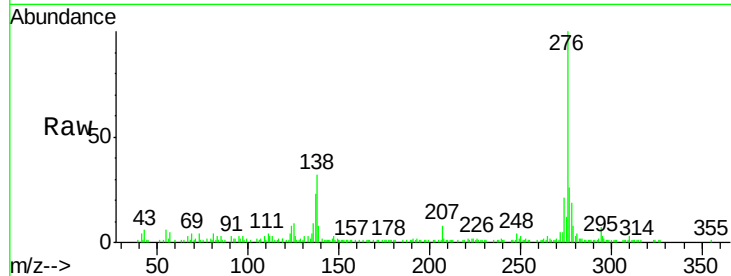
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.37 ng
RT: 17.36 min Scan# 2622
Delta R.T. -0.00 min
Lab File: BF094501.D
Acq: 18 Apr 2017 22:05

Instrument :
BNA_F
ClientSampleId :
E2-XY9-NSW

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.3	27.8	41.6
277	25.4	20.2	30.4

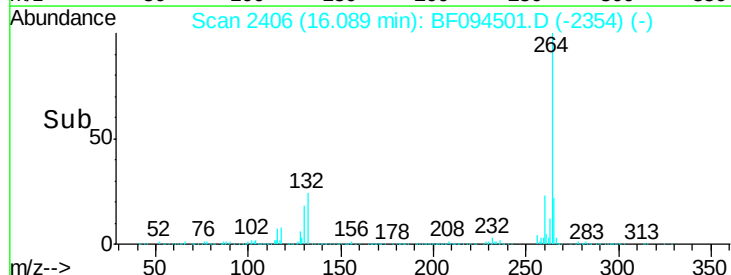
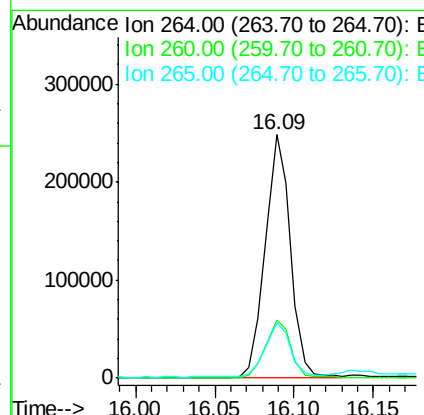
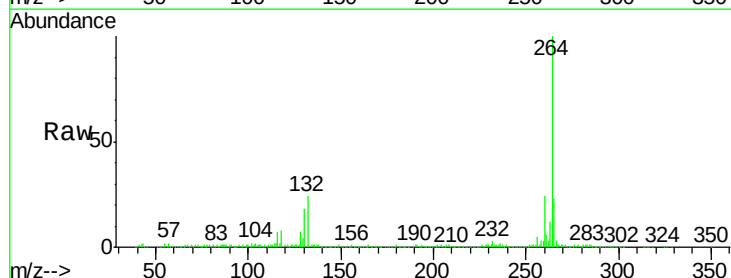
Manual Integrations
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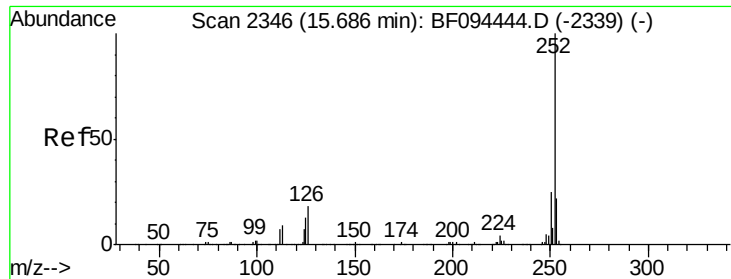
mohammad
4/19/2017 1:33:44 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BF094501.D
Acq: 18 Apr 2017 22:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.6	17.2	25.8





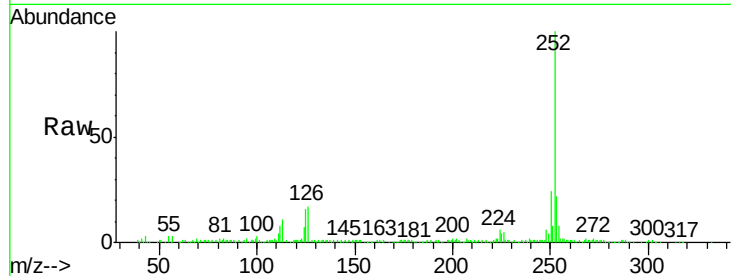
#87
Benzo(b)fluoranthene
Concen: 12.02 ng m
RT: 15.69 min Scan# 2338
Delta R.T. 0.00 min
Lab File: BF094501.D
Acq: 18 Apr 2017 22:05

Instrument :
BNA_F
ClientSampleId :
E2-XY9-NSW

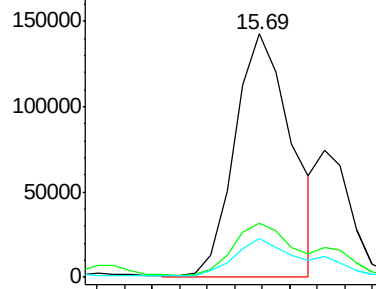
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	15.7	9.8	14.8

Manual Integrations
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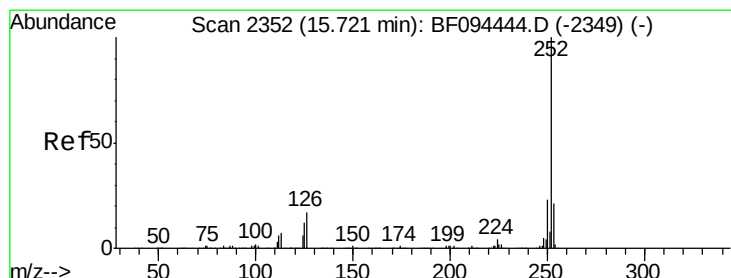
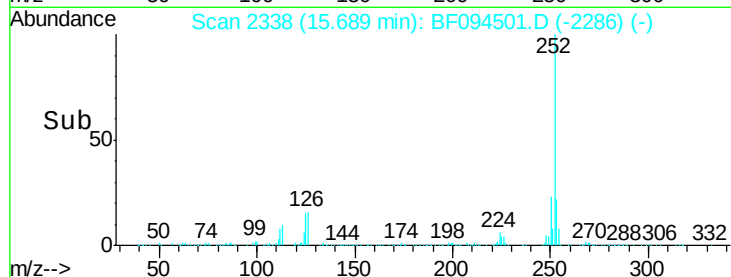
mohammad
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



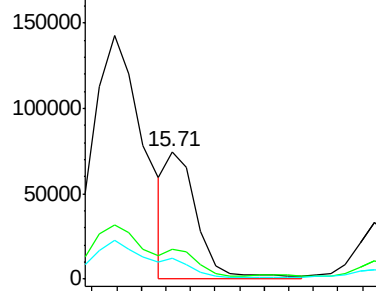
Time-->



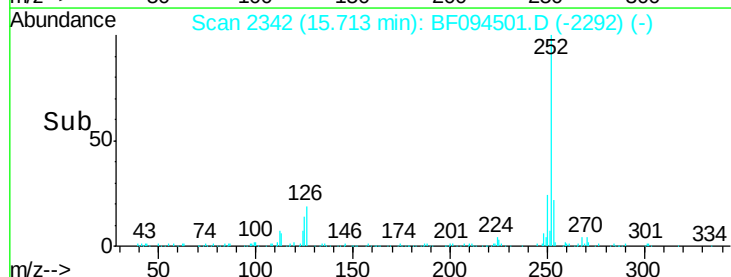
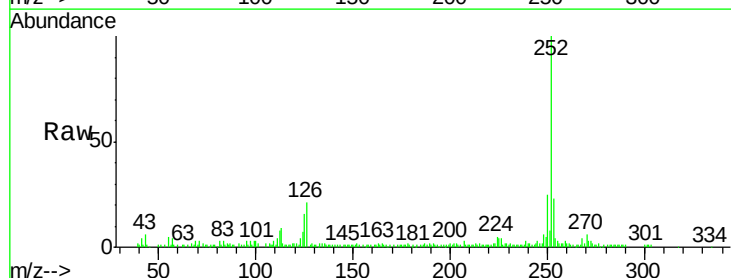
#88
Benzo(k)fluoranthene
Concen: 4.20 ng m
RT: 15.71 min Scan# 2342
Delta R.T. -0.01 min
Lab File: BF094501.D
Acq: 18 Apr 2017 22:05

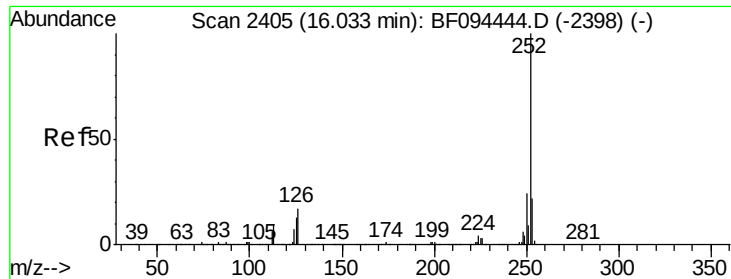
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	15.9	13.1	19.7

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



Time-->





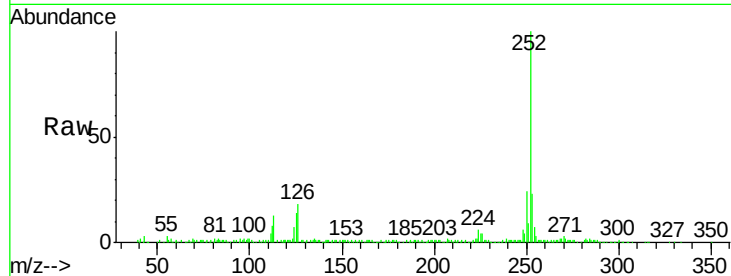
#89
Benzo(a)pyrene
Concen: 8.65 ng
RT: 16.03 min Scan# 2396
Delta R.T. -0.00 min
Lab File: BF094501.D
Acq: 18 Apr 2017 22:05

Instrument :
BNA_F
ClientSampleId :
E2-XY9-NSW

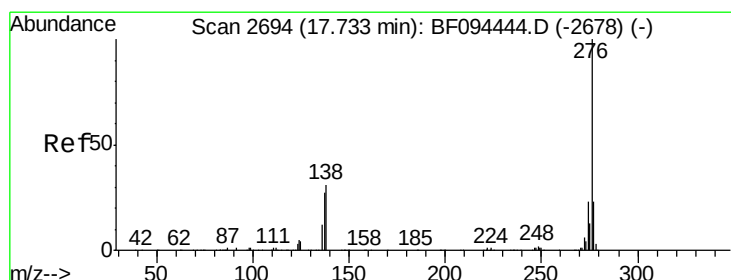
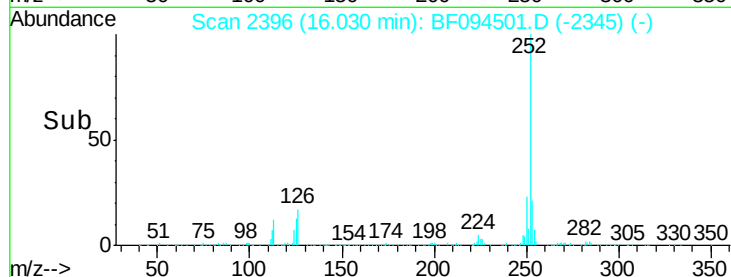
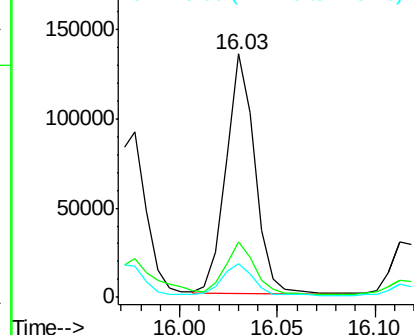
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	13.8	11.0	16.4

Manual Integrations
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4/19/2017 1:33:44 PM

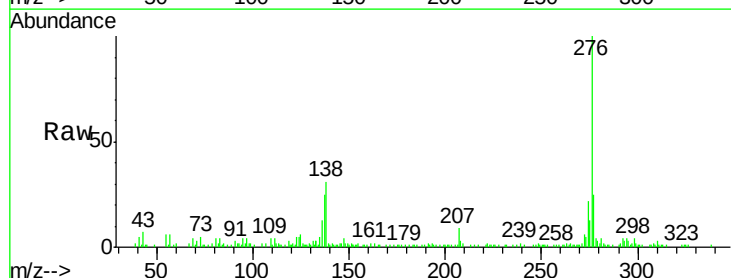


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 5.25 ng
RT: 17.74 min Scan# 2686
Delta R.T. 0.00 min
Lab File: BF094501.D
Acq: 18 Apr 2017 22:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	31.2	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

