

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
 Data File : BF092820.D
 Acq On : 7 Feb 2017 2:28
 Operator : SJ/MA
 Sample : I1695-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2-10

Manual Integrations
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mohammad
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Quant Time: Feb 07 03:16:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 01:19:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	129550	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	523593	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	230157	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	353877	20.00	ng	0.00
75) Chrysene-d12	14.09	240	279124	20.00	ng	0.00
86) Perylene-d12	15.55	264	205827	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	797728	105.64	ng	0.01
7) Phenol-d6	6.56	99	980964	100.96	ng	0.00
23) Nitrobenzene-d5	7.48	82	686330	73.00	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	181865	109.25	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	1017387	80.08	ng	0.00
78) Terphenyl-d14	13.04	244	769903	64.81	ng	0.01
Target Compounds						
10) Phenol	6.57	94	76869	6.76	ng	81
31) Naphthalene	8.22	128	184462	6.95	ng	99
49) Dimethylphthalate	9.68	163	151421	9.77	ng	98
70) Phenanthrene	11.47	178	134834	6.65	ng	98
73) Di-n-butylphthalate	12.01	149	42493	2.02	ng	96
74) Fluoranthene	12.67	202	237388	11.35	ng	92
77) Pyrene	12.89	202	232053	11.11	ng	98
80) Benzo(a)anthracene	14.08	228	145186	8.50	ng	97
82) Chrysene	14.11	228	101965m	6.38	ng	
85) Indeno(1,2,3-cd)pyrene	16.99	276	53022	4.28	ng	95
87) Benzo(b)fluoranthene	15.13	252	138473m	10.22	ng	
88) Benzo(k)fluoranthene	15.15	252	41715m	3.57	ng	
89) Benzo(a)pyrene	15.48	252	91776	7.83	ng	# 89
91) Benzo(a,h,i)perylene	17.44	276	52314	5.47	ng	# 87

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

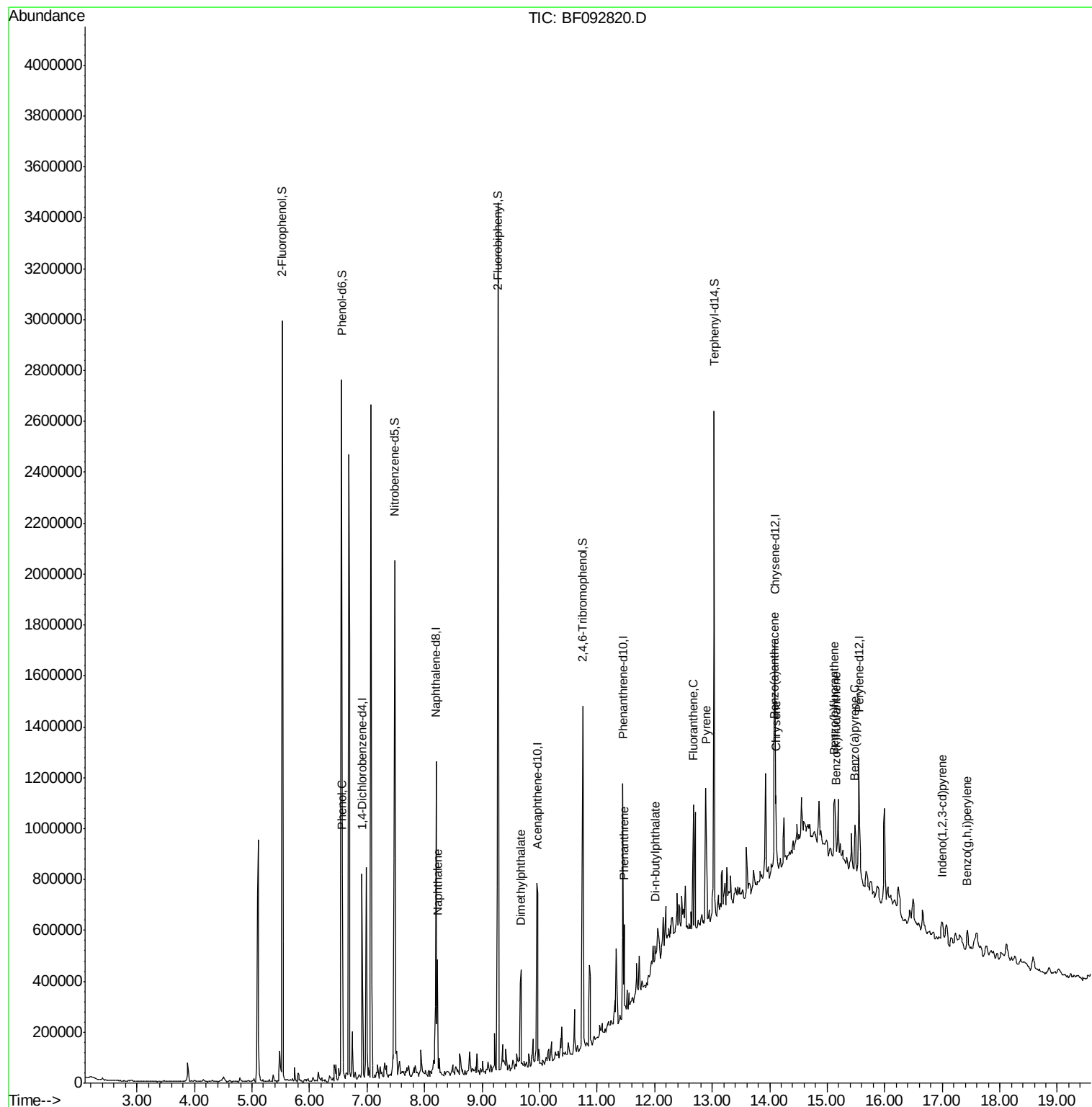
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
Data File : BF092820.D
Acq On : 7 Feb 2017 2:28
Operator : SJ/MA
Sample : I1695-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

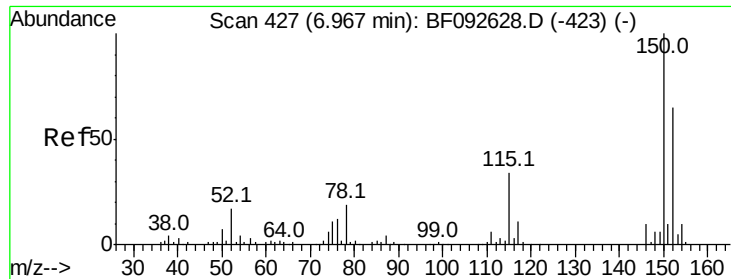
Instrument :
BNA_F
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B2-10

Manual Integrations
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#1

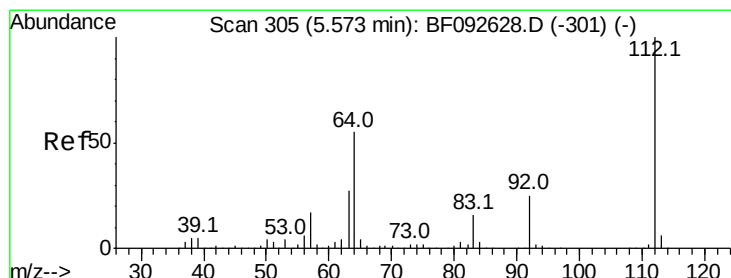
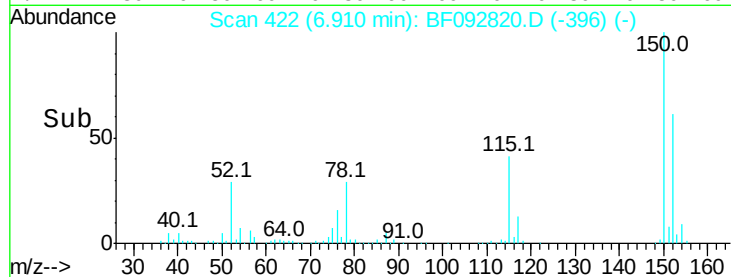
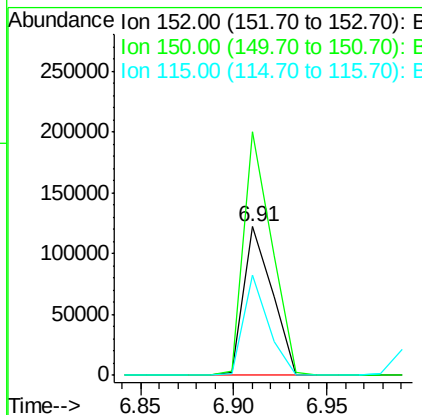
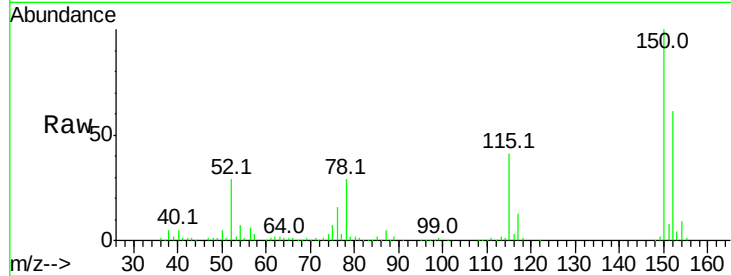
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 422
Delta R.T. 0.00 min
Lab File: BF092820.D
Acq: 7 Feb 2017 2:28

Instrument :
BNA_F
ClientSampled :
B2-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.1	124.9	187.3
115	67.2	46.0	69.0

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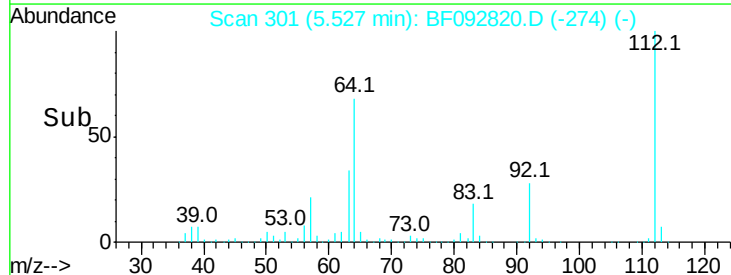
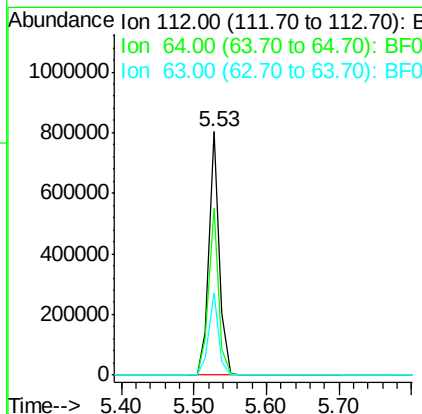
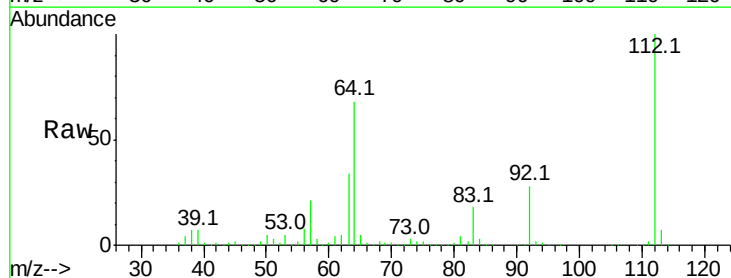
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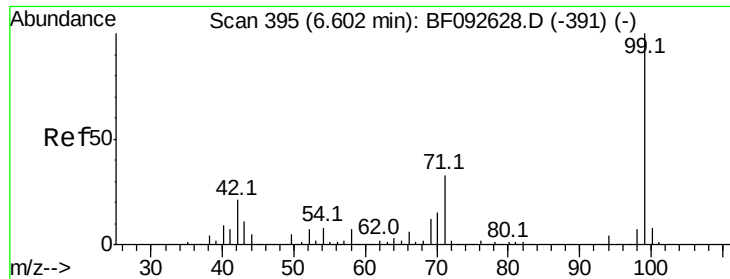


#5

2-Fluorophenol
Concen: 105.64 ng
RT: 5.53 min Scan# 301
Delta R.T. 0.01 min
Lab File: BF092820.D
Acq: 7 Feb 2017 2:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	46.1	69.1
63	34.1	23.8	35.6





#7

Phenol-d6

Concen: 100.96 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF092820.D

Acq: 7 Feb 2017 2:28

Instrument :

BNA_F

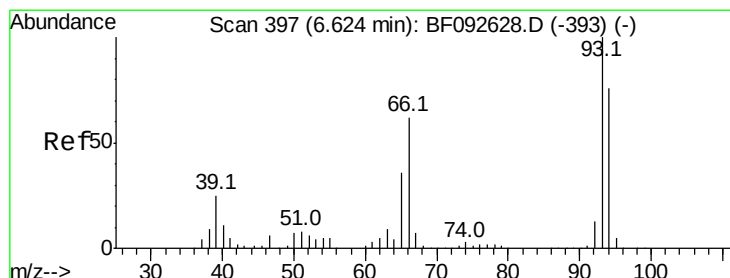
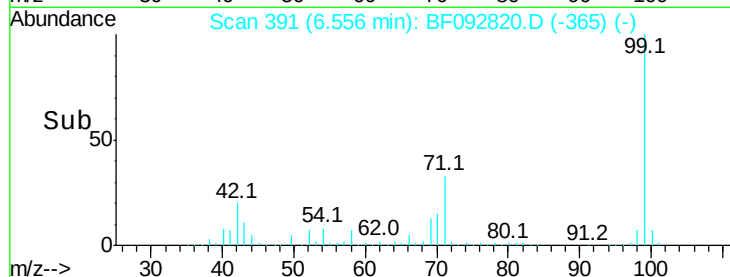
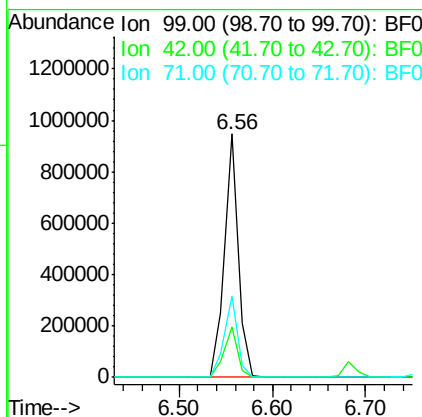
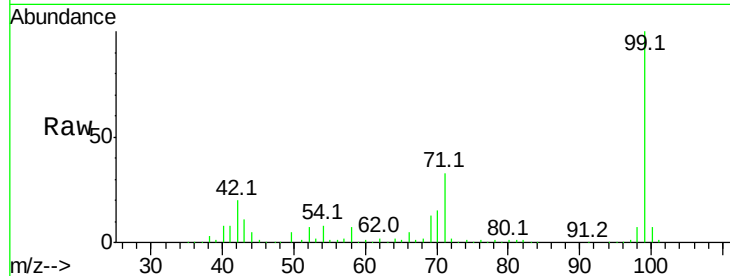
ClientSampled :

B2-10

Tot Ion:	99	Resp:	980964
Ion	Ratio	Lower	Upper
99	100		
42	20.5	15.6	23.4
71	33.5	27.5	41.3

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#10

Phenol

Concen: 6.76 ng

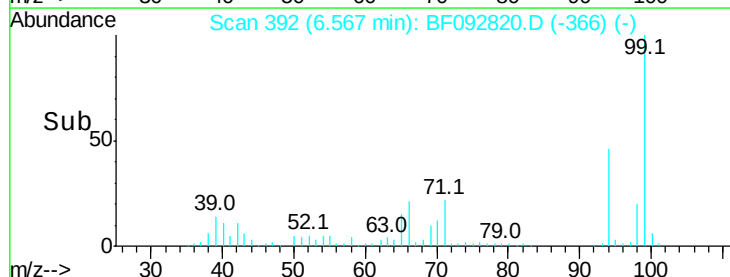
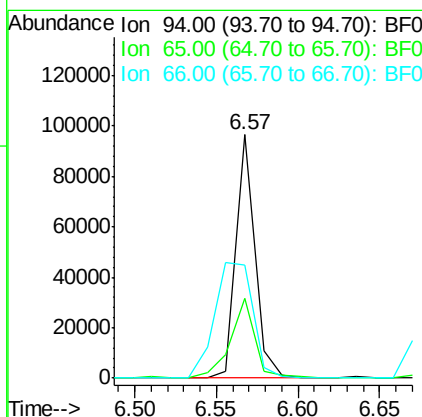
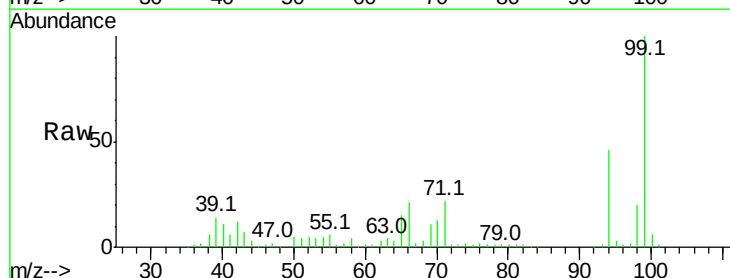
RT: 6.57 min Scan# 392

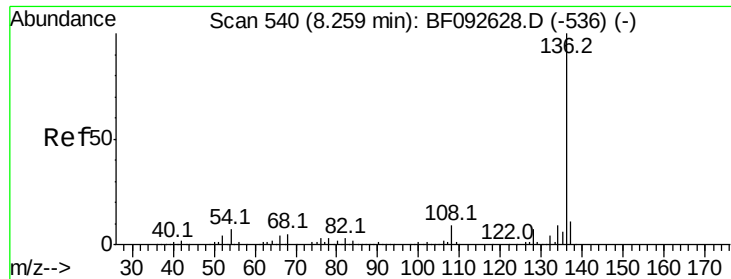
Delta R.T. 0.00 min

Lab File: BF092820.D

Acq: 7 Feb 2017 2:28

Tgt Ion:	94	Resp:	76869
Ion	Ratio	Lower	Upper
94	100		
65	33.0	21.4	61.4
66	46.6	44.0	84.0





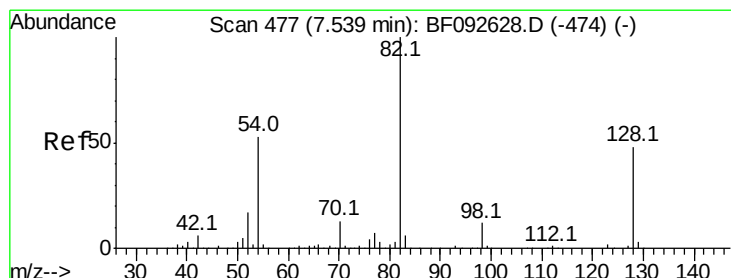
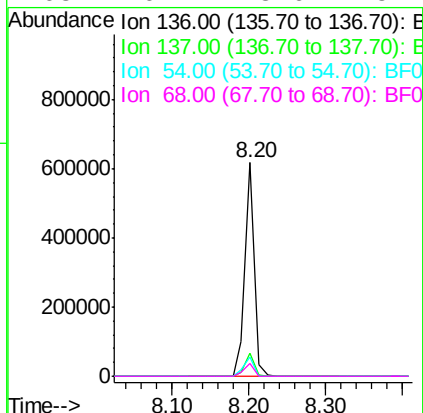
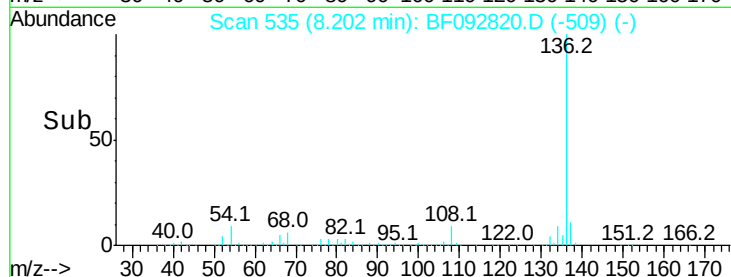
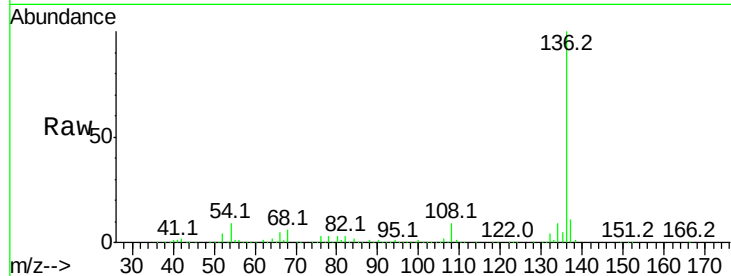
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF092820.D
Acq: 7 Feb 2017 2:28

Instrument :
BNA_F
ClientSampleId :
B2-10

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.7	8.4	12.6
54	8.9	4.5	6.7#
68	6.1	3.6	5.4#

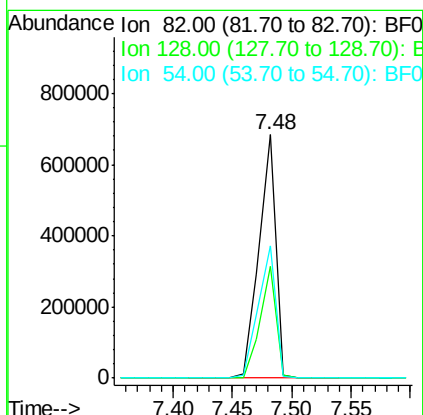
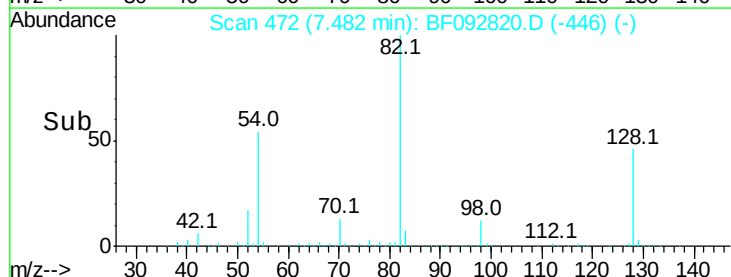
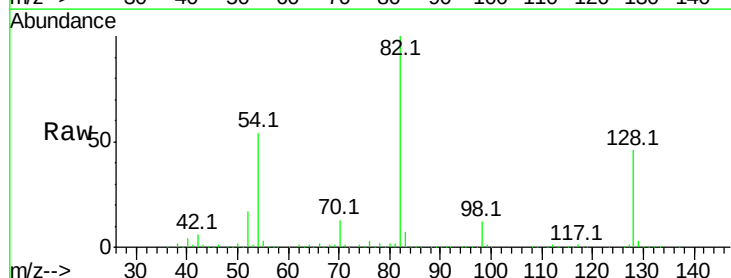
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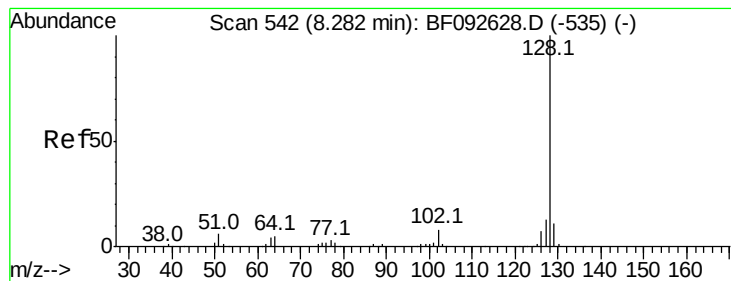
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#23
Nitrobenzene-d5
Concen: 73.00 ng
RT: 7.48 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF092820.D
Acq: 7 Feb 2017 2:28

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	45.9	34.6	52.0
54	54.3	39.5	59.3





#31

Naphthalene

Concen: 6.95 ng

RT: 8.22 min Scan# 537

Delta R.T. 0.00 min

Lab File: BF092820.D

Acq: 7 Feb 2017 2:28

Instrument :

BNA_F

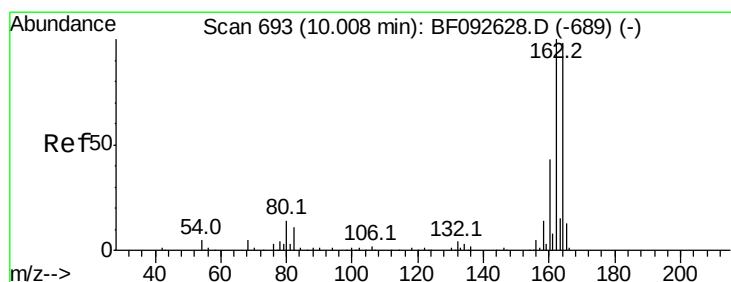
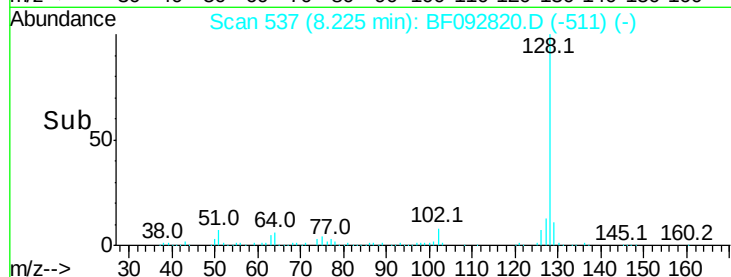
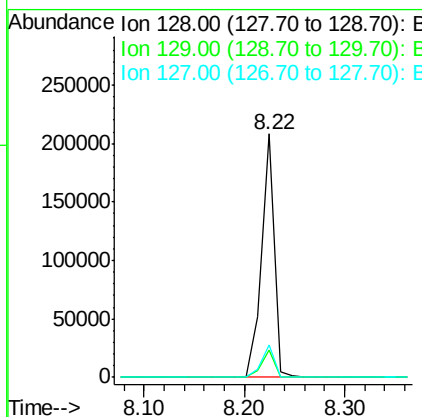
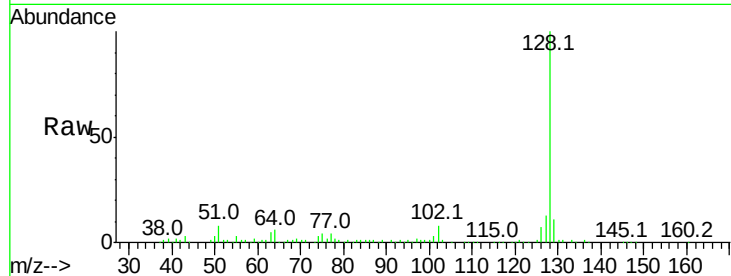
ClientSampled :

B2-10

Tot Ion:	128	Resp:	184462
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.5	14.3
127	13.3	10.8	16.2

Manual Integrations
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#38

Acenaphthene-d10

Concen: 20.00 ng

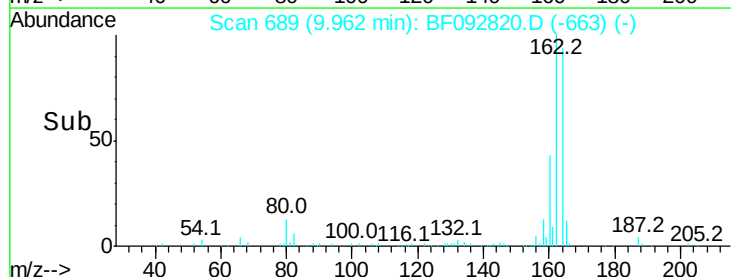
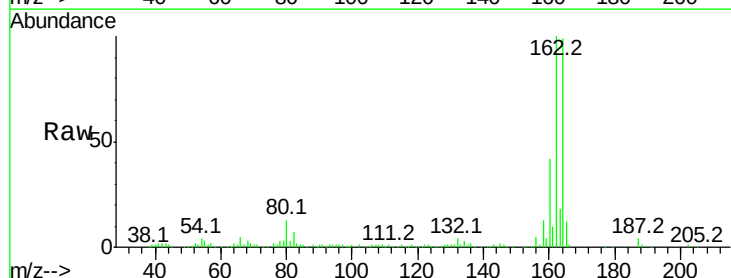
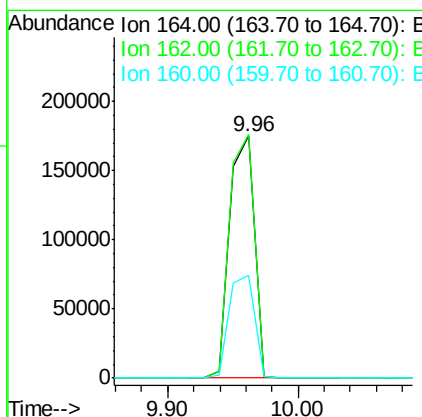
RT: 9.96 min Scan# 689

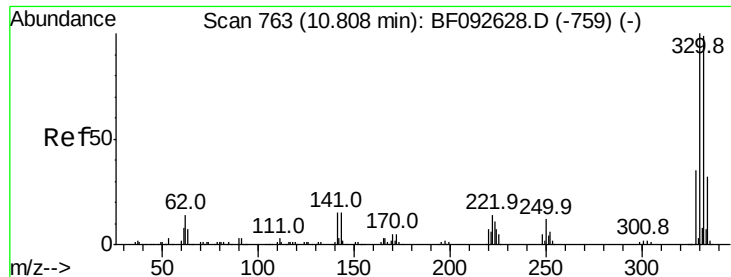
Delta R.T. 0.00 min

Lab File: BF092820.D

Acq: 7 Feb 2017 2:28

Tgt Ion:	164	Resp:	230157
Ion Ratio	Lower	Upper	
164	100		
162	100.7	80.2	120.2
160	42.6	36.9	55.3





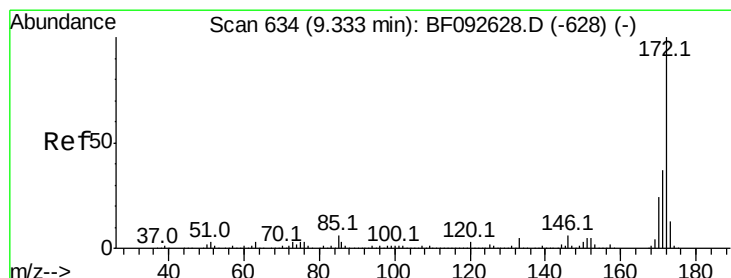
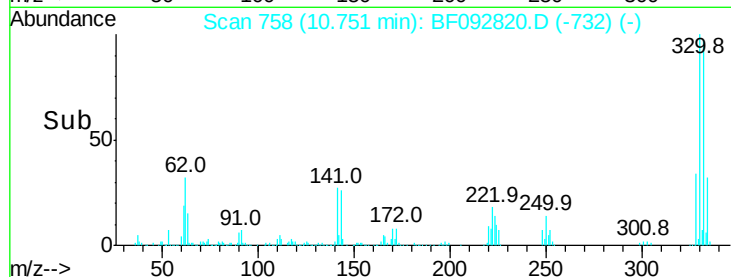
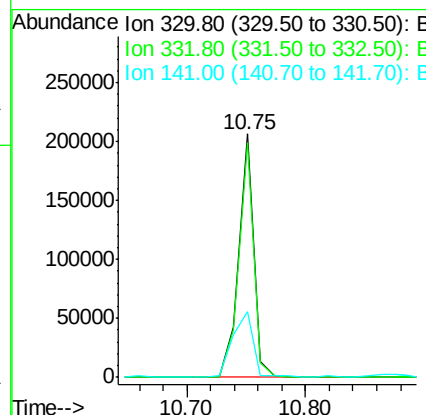
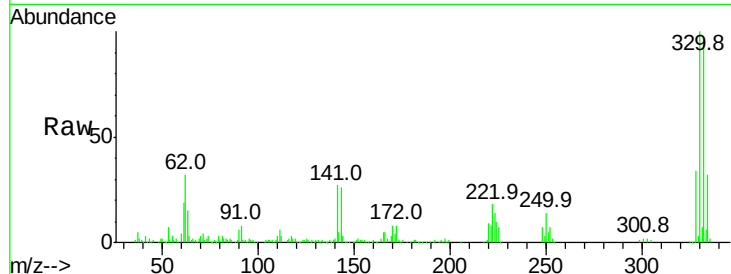
#41
 2,4,6-Tribromophenol
 Concen: 109.25 ng
 RT: 10.75 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BF092820.D
 Acq: 7 Feb 2017 2:28

Instrument :
 BNA_F
 ClientSampleId :
 B2-10

Tot Ion	Ratio	Resp	Lower	Upper
330	100	181865		
332	96.6	77.4	116.2	
141	36.1	34.1	51.1	

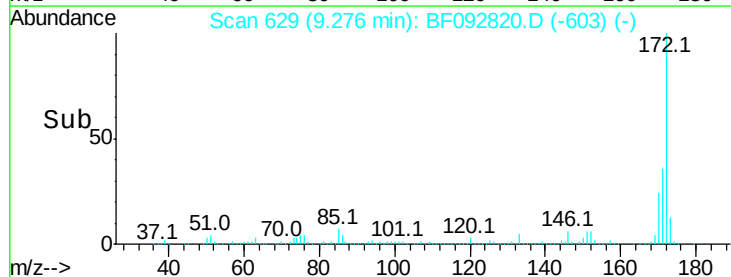
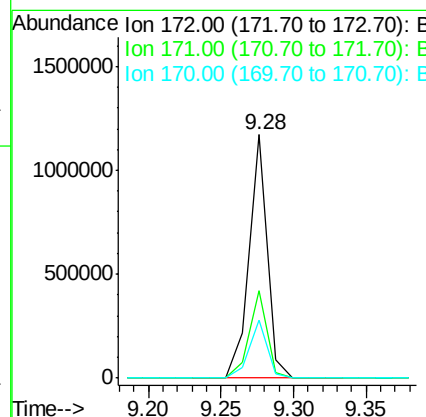
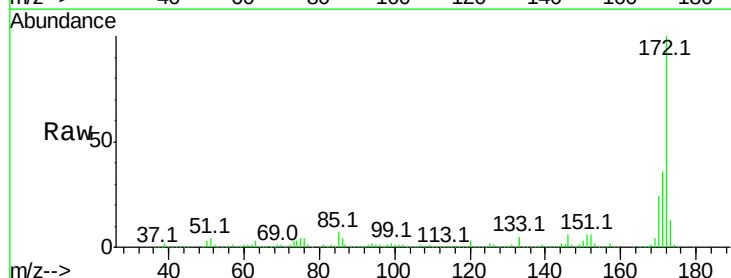
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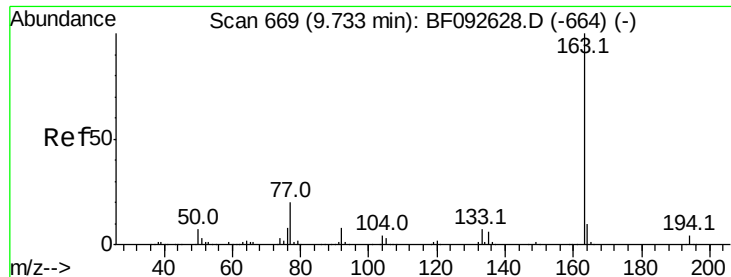
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#44
 2-Fluorobiphenyl
 Concen: 80.08 ng
 RT: 9.28 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: BF092820.D
 Acq: 7 Feb 2017 2:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1017387		
171	36.1	29.4	44.0	
170	24.0	20.2	30.4	





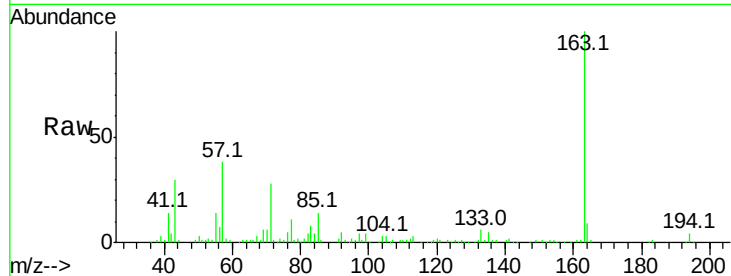
#49
Dimethylphthalate
Concen: 9.77 ng
RT: 9.68 min Scan# 664
Delta R.T. -0.01 min
Lab File: BF092820.D
Acq: 7 Feb 2017 2:28

Instrument :
BNA_F
ClientSampled :
B2-10

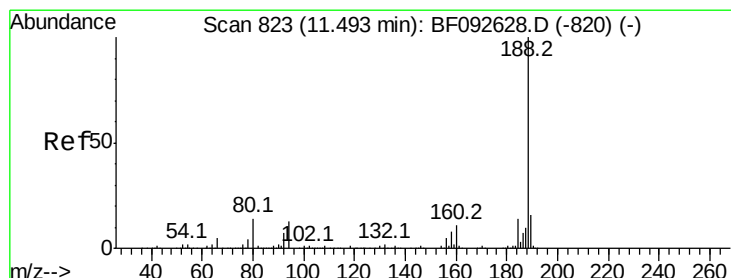
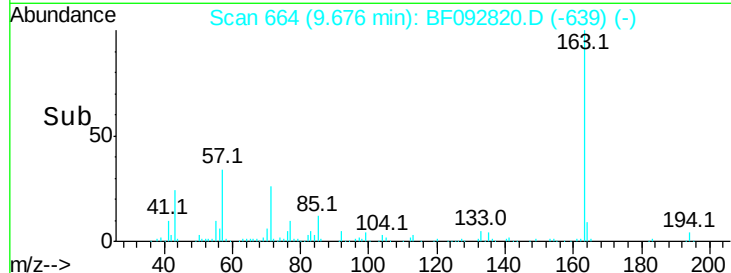
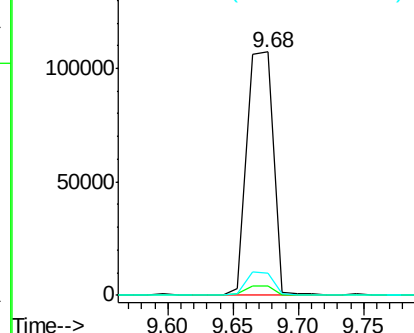
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.0	3.0	4.4
164	8.9	8.0	12.0

Manual Integrations
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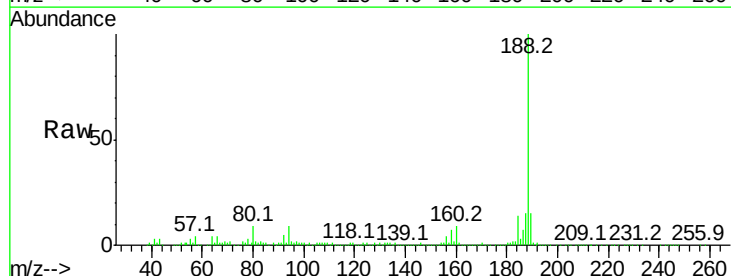


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

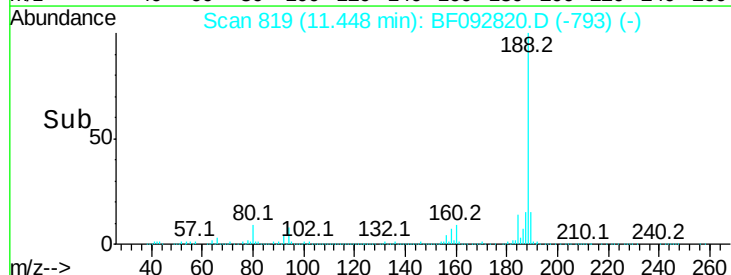
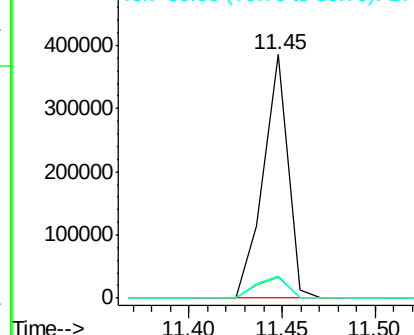


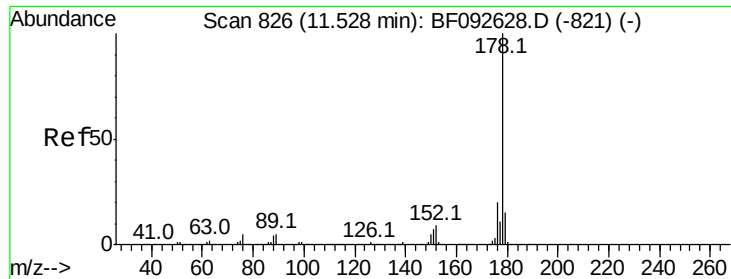
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF092820.D
Acq: 7 Feb 2017 2:28

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	8.6	10.0	15.0#
80	9.0	11.2	16.8#



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





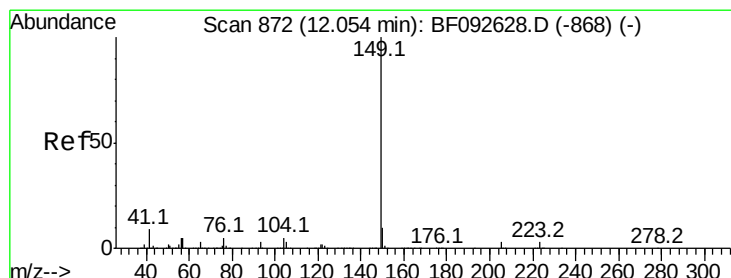
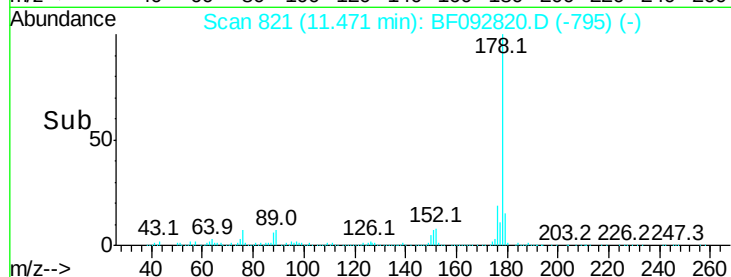
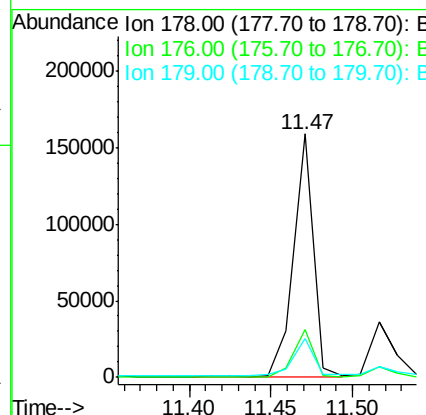
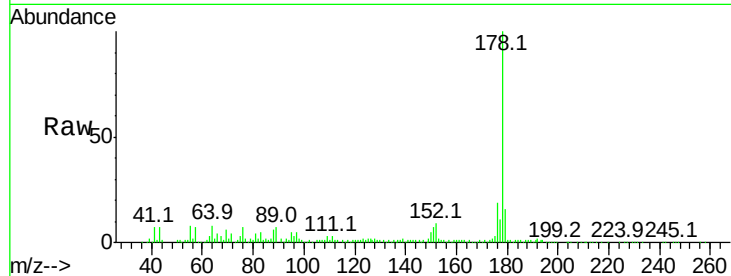
#70
Phenanthrene
Concen: 6.65 ng
RT: 11.47 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF092820.D
Acq: 7 Feb 2017 2:28

Instrument :
BNA_F
ClientSampleId :
B2-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.6	25.0
179	15.7	12.8	19.2

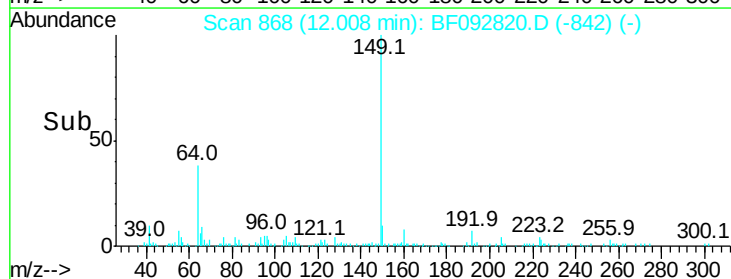
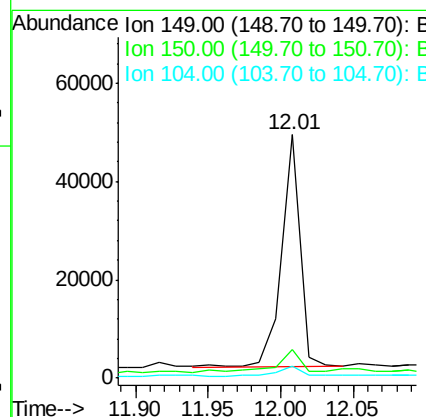
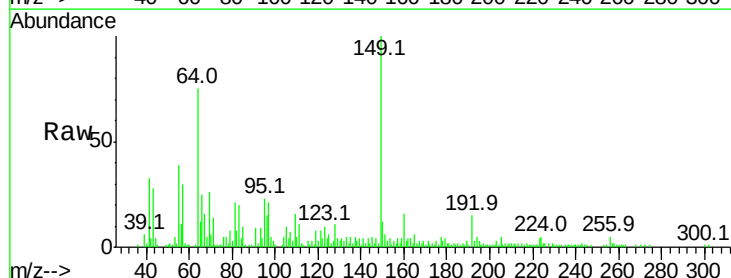
Manual Integrations
APPROVED

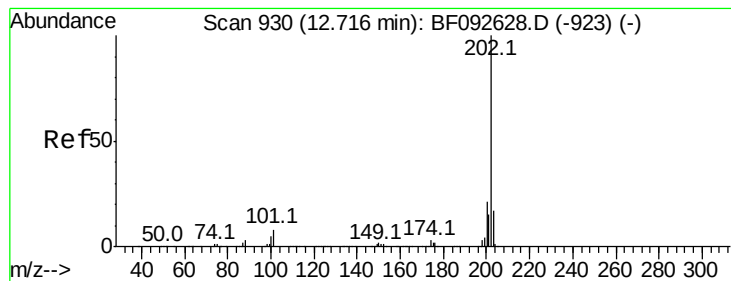
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#73
Di-n-butylphthalate
Concen: 2.02 ng
RT: 12.01 min Scan# 868
Delta R.T. 0.00 min
Lab File: BF092820.D
Acq: 7 Feb 2017 2:28

Tgt Ion	Ratio	Lower	Upper
149	100		
150	11.8	8.1	12.1
104	4.7	4.6	7.0





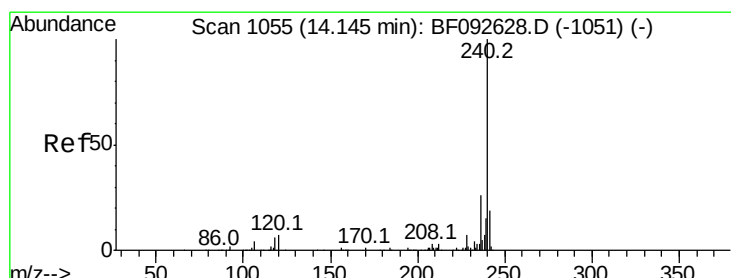
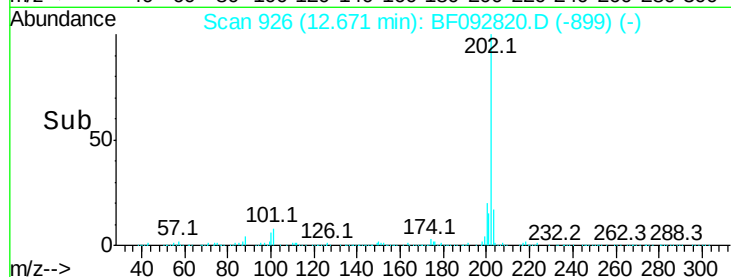
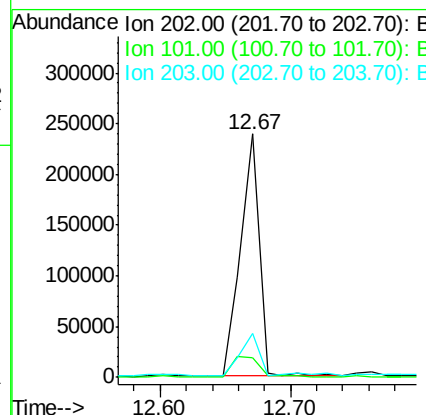
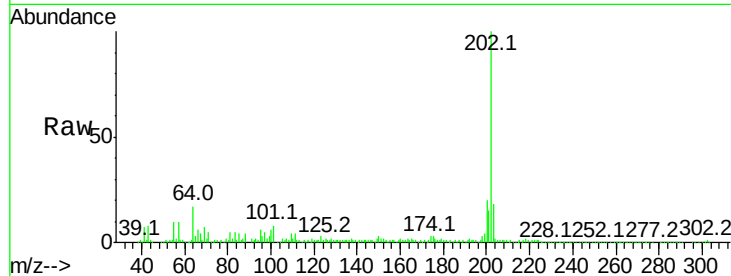
#74
 Fluoranthene
 Concen: 11.35 ng
 RT: 12.67 min Scan# 926
 Delta R.T. 0.01 min
 Lab File: BF092820.D
 Acq: 7 Feb 2017 2:28

Instrument :
 BNA_F
 ClientSampleId :
 B2-10

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.9	0.0	34.6
203	17.9	0.0	38.7

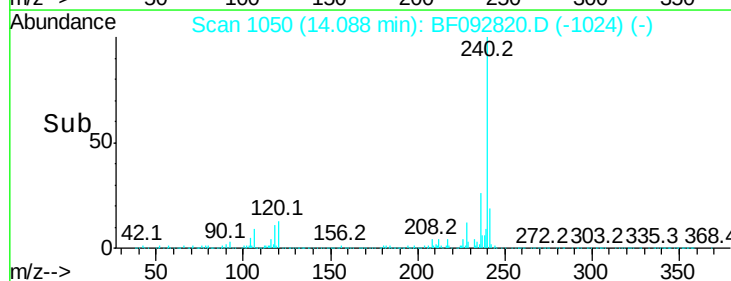
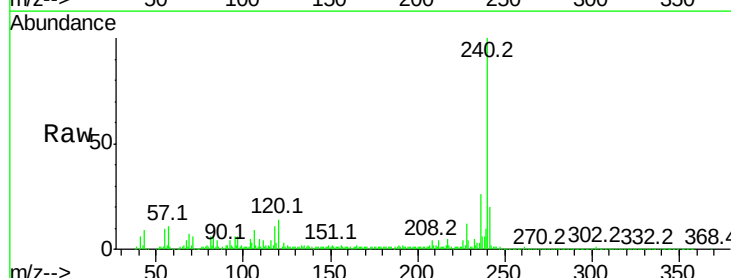
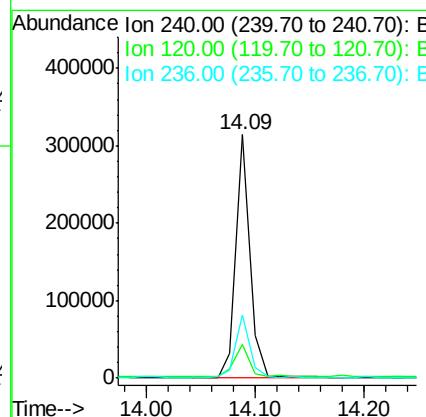
Manual Integrations
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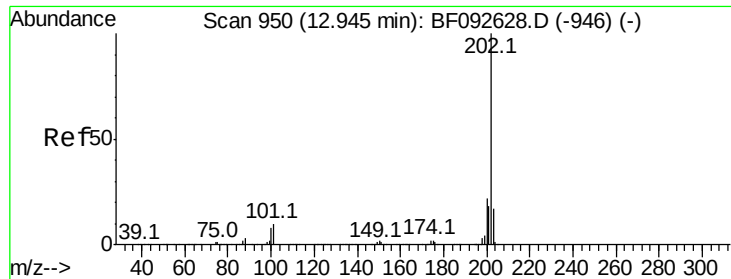
mohammad
 2/7/2017 3:15:12 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.09 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BF092820.D
 Acq: 7 Feb 2017 2:28

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.1	12.9	19.3
236	25.7	20.9	31.3





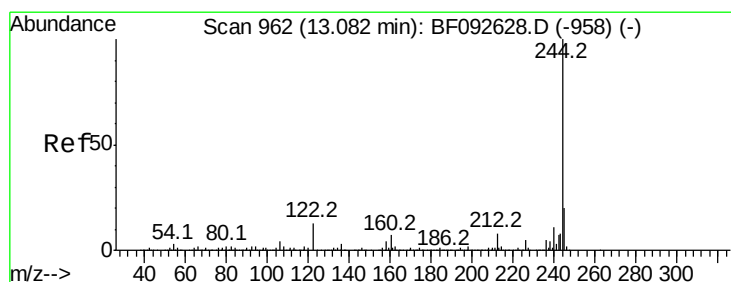
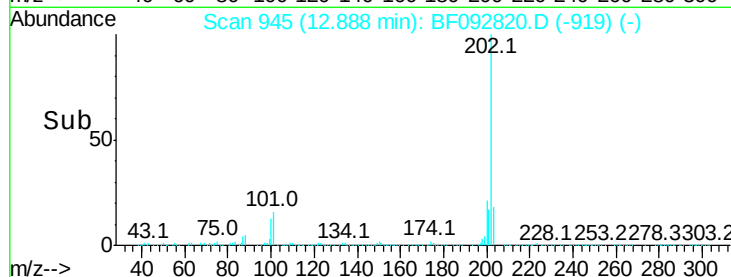
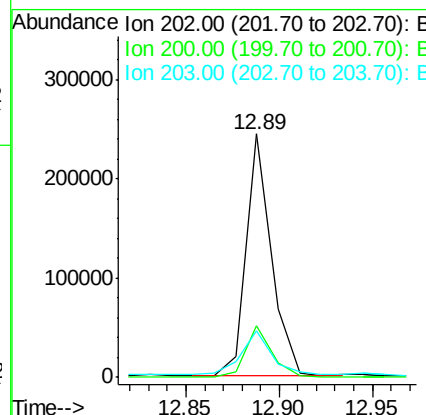
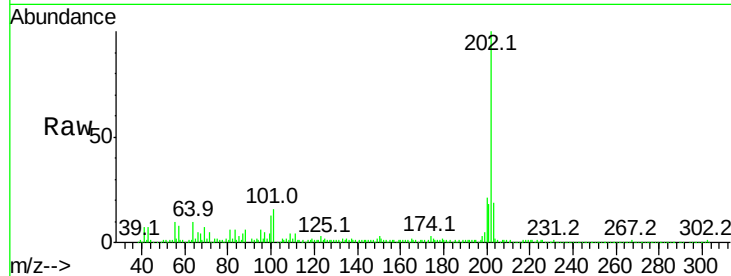
#77
Pvrene
Concen: 11.11 ng
RT: 12.89 min Scan# 945
Delta R.T. 0.00 min
Lab File: BF092820.D
Acq: 7 Feb 2017 2:28

Instrument :
BNA_F
ClientSampleId :
B2-10

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	17.7	26.5
203	19.0	14.7	22.1

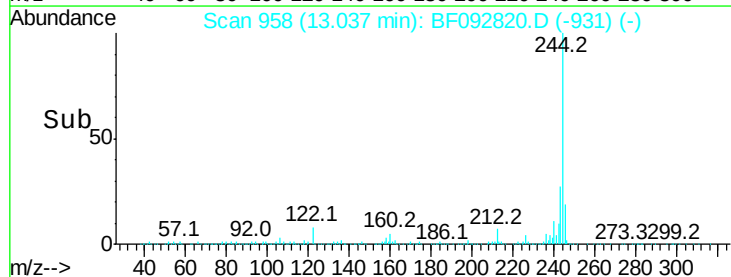
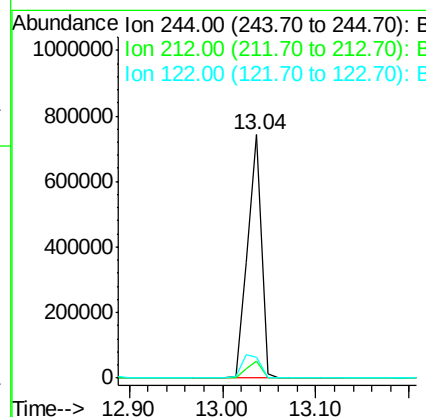
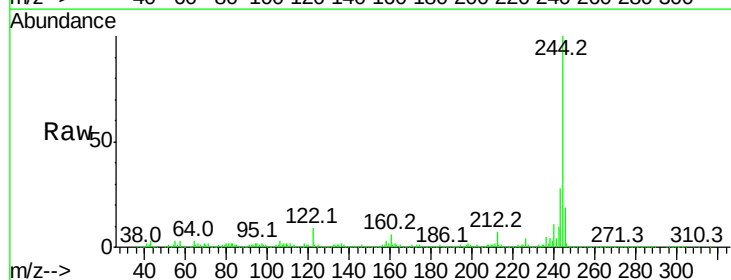
Manual Integrations
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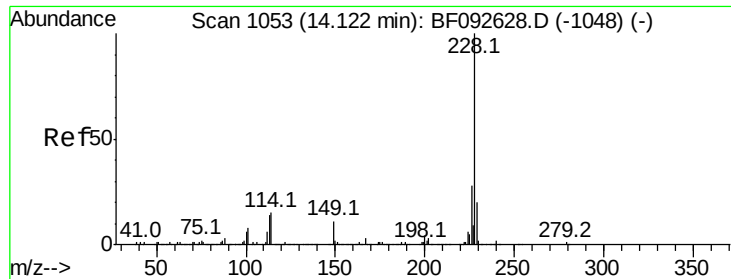
mohammad
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#78
Terphenyl-d14
Concen: 64.81 ng
RT: 13.04 min Scan# 958
Delta R.T. 0.01 min
Lab File: BF092820.D
Acq: 7 Feb 2017 2:28

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	6.2	9.2
122	8.7	11.4	17.2





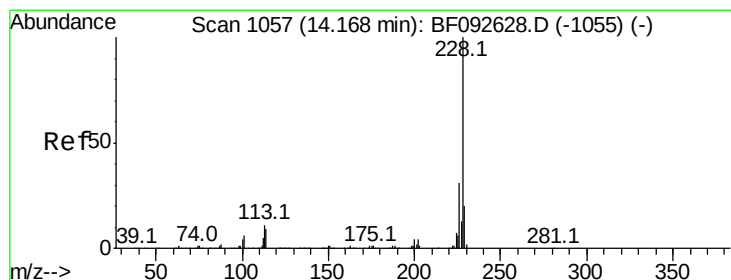
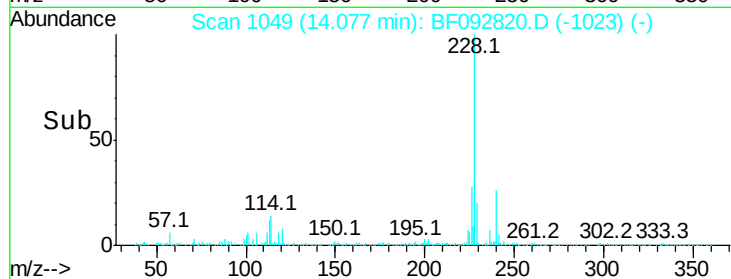
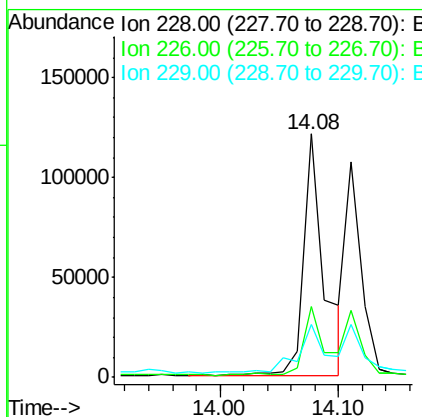
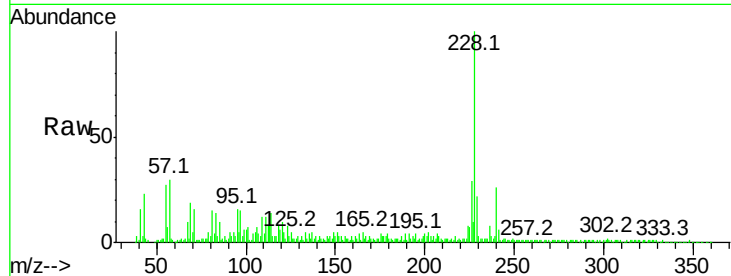
#80
Benzo(a)anthracene
Concen: 8.50 ng
RT: 14.08 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BF092820.D
Acq: 7 Feb 2017 2:28

Instrument :
BNA_F
ClientSampleId :
B2-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.4	33.6
229	21.9	16.2	24.4

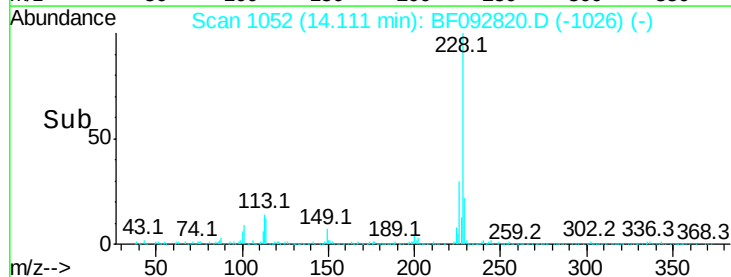
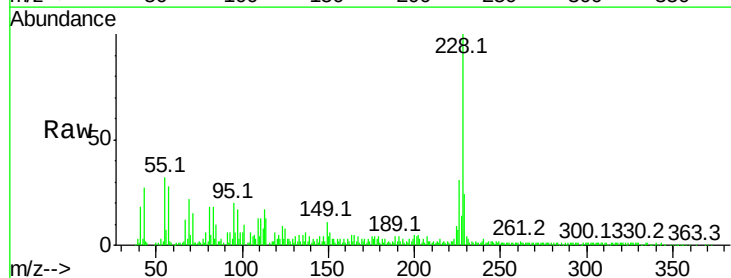
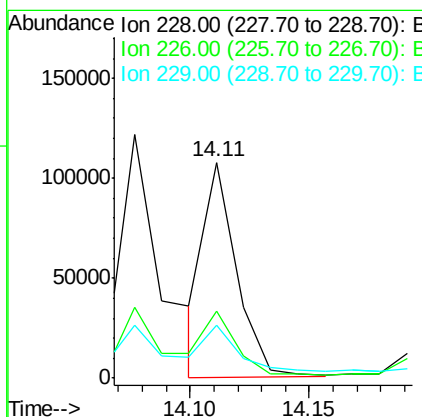
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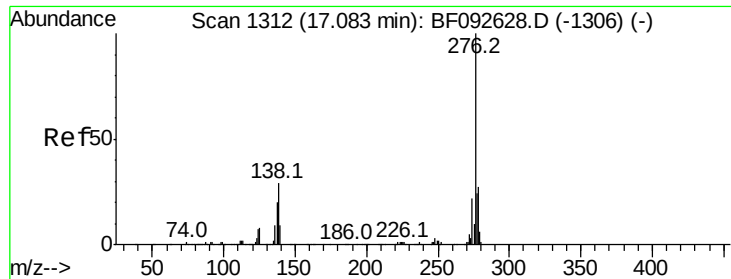
mohammad
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#82
Chrysene
Concen: 6.38 ng m
RT: 14.11 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF092820.D
Acq: 7 Feb 2017 2:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.0
229	24.4	16.2	24.2#





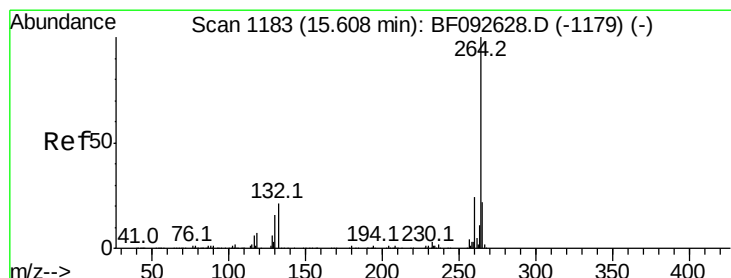
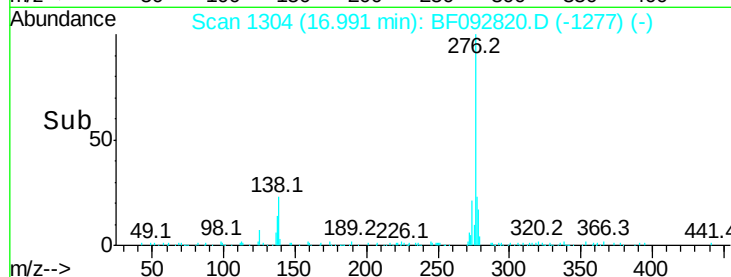
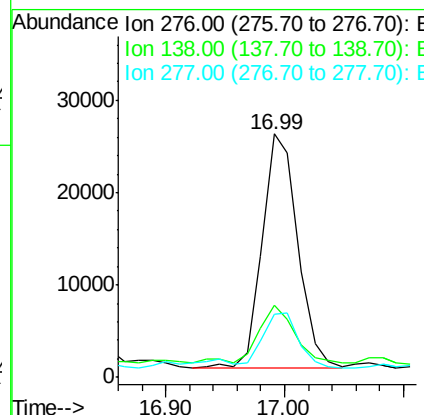
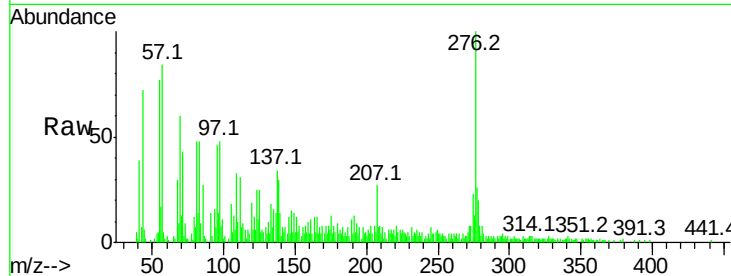
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.28 ng
RT: 16.99 min Scan# 1304
Delta R.T. 0.01 min
Lab File: BF092820.D
Acq: 7 Feb 2017 2:28

Instrument :
BNA_F
ClientSampleId :
B2-10

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	21.8	32.6
277	28.9	20.2	30.4

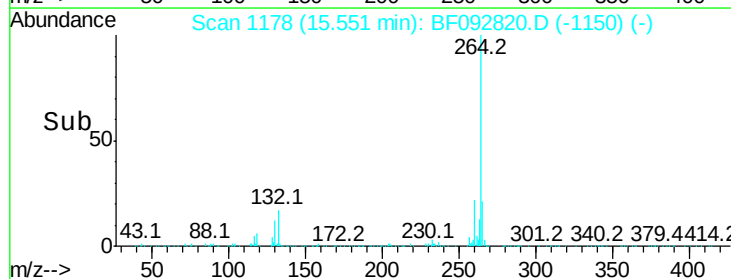
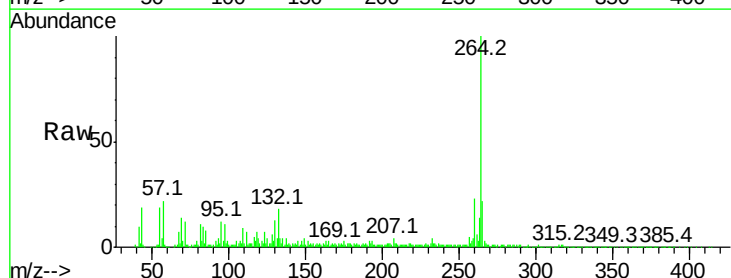
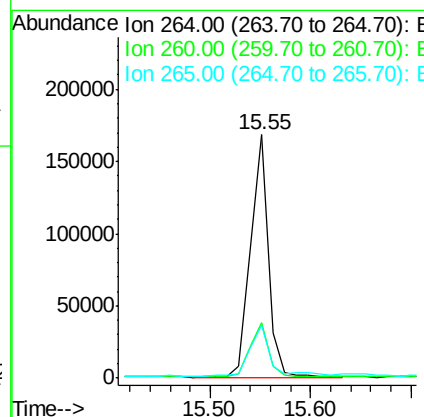
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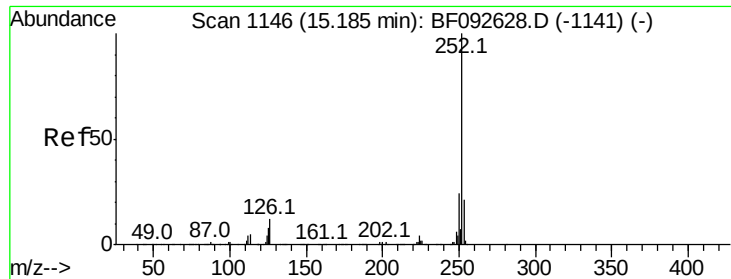
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 1178
Delta R.T. 0.02 min
Lab File: BF092820.D
Acq: 7 Feb 2017 2:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.8	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 10.22 ng m

RT: 15.13 min Scan# 1141

Delta R.T. 0.01 min

Lab File: BF092820.D

Acq: 7 Feb 2017 2:28

Instrument :

BNA_F

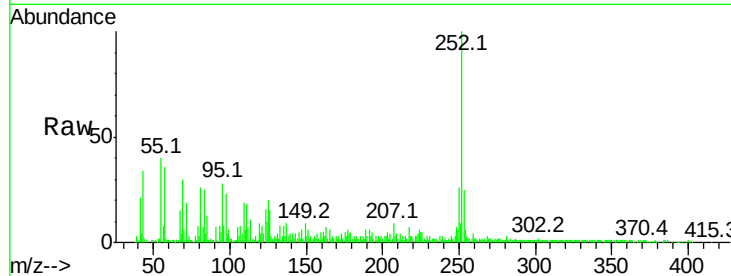
ClientSampleId :

B2-10

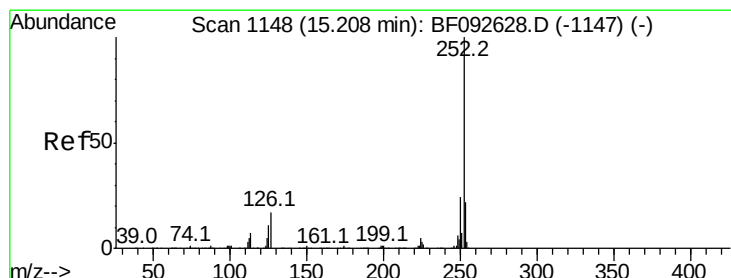
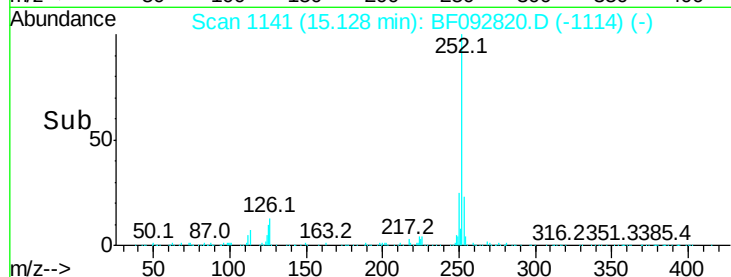
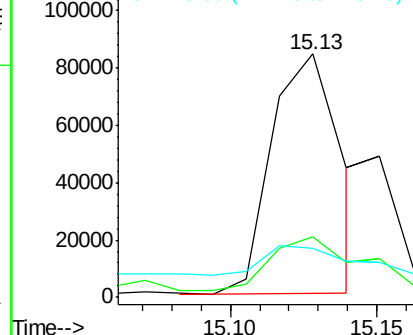
Tot Ion:	252	Resp:	138473
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.2	27.4
125	20.0	9.8	14.6#

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



#88

Benzo(k)fluoranthene

Concen: 3.57 ng m

RT: 15.15 min Scan# 1143

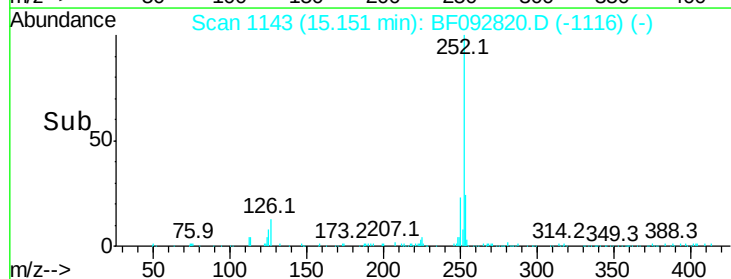
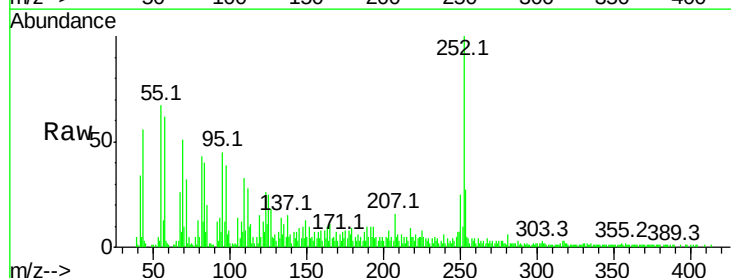
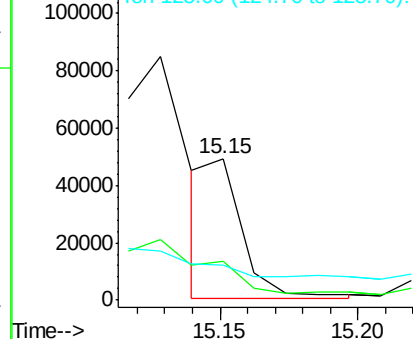
Delta R.T. 0.01 min

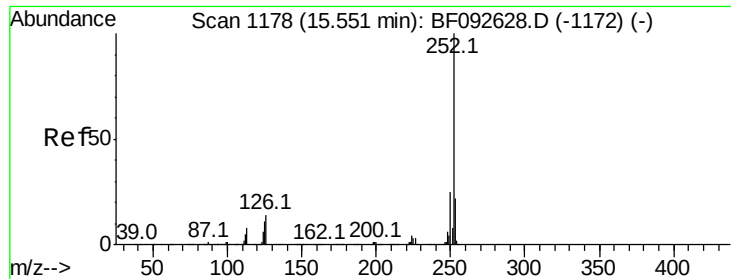
Lab File: BF092820.D

Acq: 7 Feb 2017 2:28

Tgt Ion:	252	Resp:	41715
Ion Ratio	Lower	Upper	
252	100		
253	27.3	18.5	27.7
125	24.9	8.9	13.3#

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





#89

Benzo(a)pyrene

Concen: 7.83 ng

RT: 15.48 min Scan# 1172

Delta R.T. 0.01 min

Lab File: BF092820.D

Acq: 7 Feb 2017 2:28

Instrument :

BNA_F

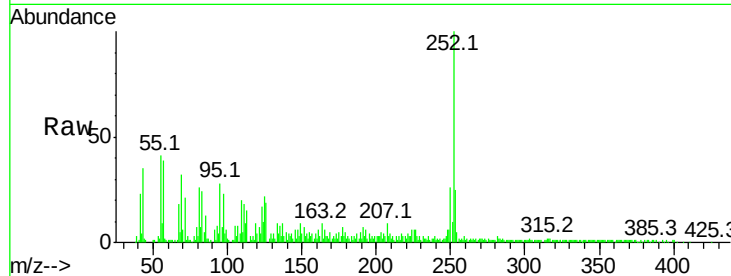
ClientSampled :

B2-10

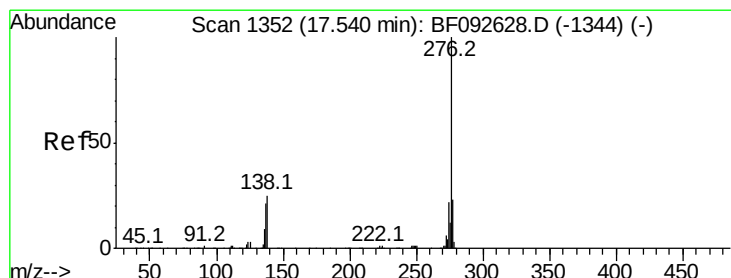
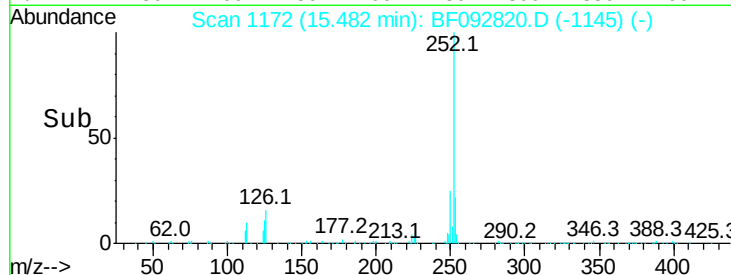
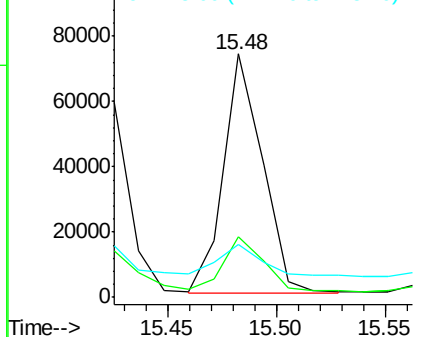
Tot Ion:	252	Resp:	91776
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.2	27.2
125	21.6	10.0	15.0#

Manual Integrations
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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



#91

Benzo(g,h,i)perylene

Concen: 5.47 ng

RT: 17.44 min Scan# 1343

Delta R.T. 0.01 min

Lab File: BF092820.D

Acq: 7 Feb 2017 2:28

Tgt Ion:	276	Resp:	52314
Ion Ratio	Lower	Upper	
276	100		
277	26.6	19.2	28.8
138	30.6	16.0	24.0#

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

