

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094028.D
 Acq On : 29 Mar 2017 19:44
 Operator : SJ/MA
 Sample : I2440-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-20-41

Manual Integrations
 APPROVED

mohammad
 3/30/2017 2:31:39 PM

Quant Time: Mar 30 03:58:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	166844	20.00	ng	-0.04
21) Naphthalene-d8	7.42	136	694189	20.00	ng	-0.04
38) Acenaphthene-d10	9.56	164	323328	20.00	ng	-0.04
63) Phenanthrene-d10	11.39	188	559666	20.00	ng	-0.04
75) Chrysene-d12	14.63	240	430317	20.00	ng	-0.05
86) Perylene-d12	16.27	264	296386	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.45	112	994865	100.71	ng	-0.02
7) Phenol-d6	5.52	99	1271102	104.02	ng	-0.04
23) Nitrobenzene-d5	6.56	82	779894	64.11	ng	-0.04
41) 2,4,6-Tribromophenol	10.53	330	274859	107.58	ng	-0.04
44) 2-Fluorobiphenyl	8.75	172	1322135	62.37	ng	-0.04
78) Terphenyl-d14	13.37	244	1000123	52.10	ng	-0.04
Target Compounds						Qvalue
49) Dimethylphthalate	9.24	163	85048	3.70	ng	98
70) Phenanthrene	11.41	178	169108	5.43	ng	99
71) Anthracene	11.47	178	67345	2.10	ng	97
74) Fluoranthene	12.87	202	389213	12.21	ng	97
77) Pyrene	13.15	202	333827	10.69	ng	97
80) Benzo(a)anthracene	14.62	228	104064	4.15	ng	98
82) Chrysene	14.66	228	107560	4.62	ng	96
87) Benzo(b)fluoranthene	15.86	252	95272m	5.24	ng	
89) Benzo(a)pyrene	16.20	252	63563	3.80	ng	97
91) Benzo(g,h,i)perylene	18.01	276	36052	2.52	ng	94

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

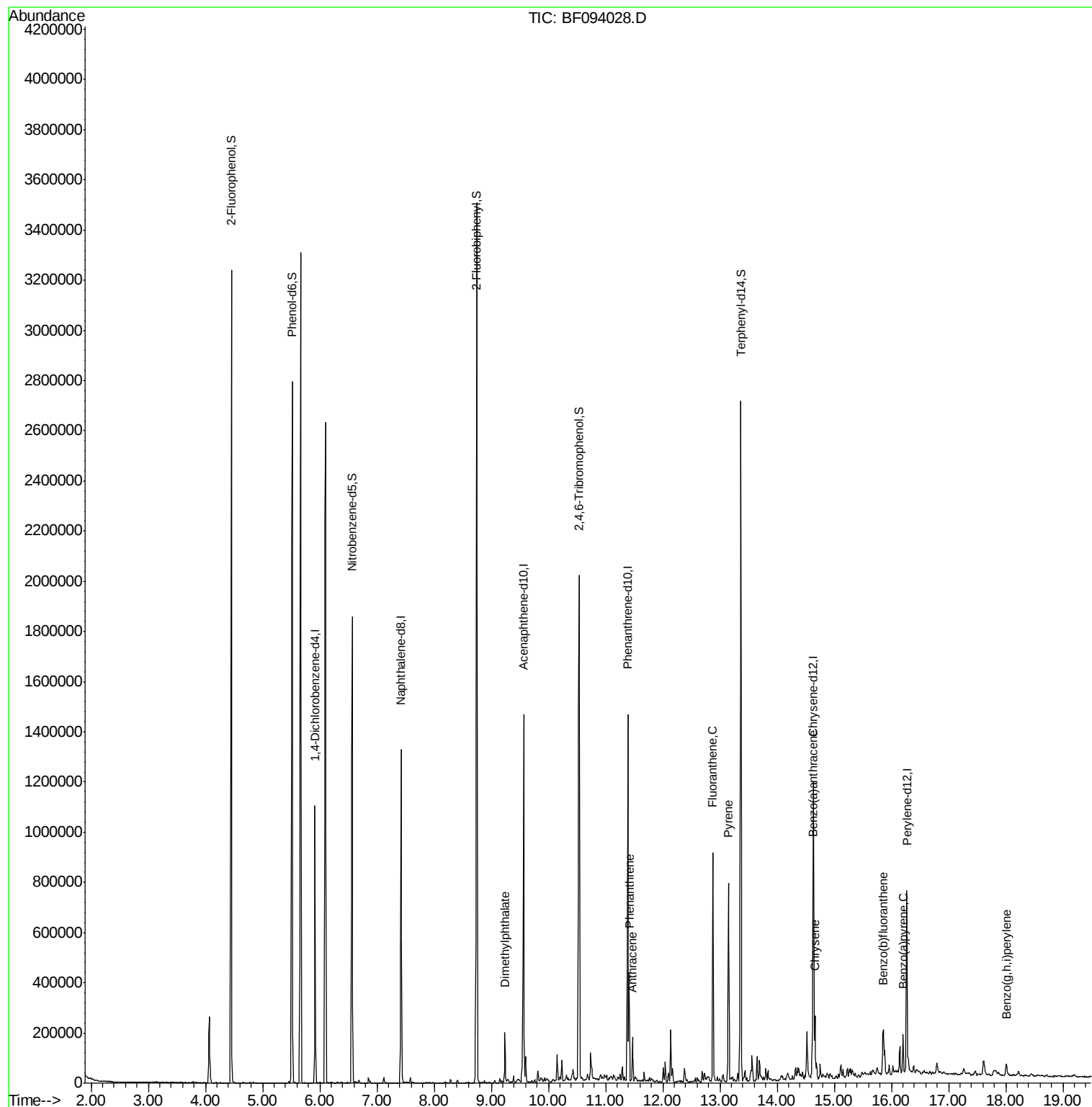
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
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#1

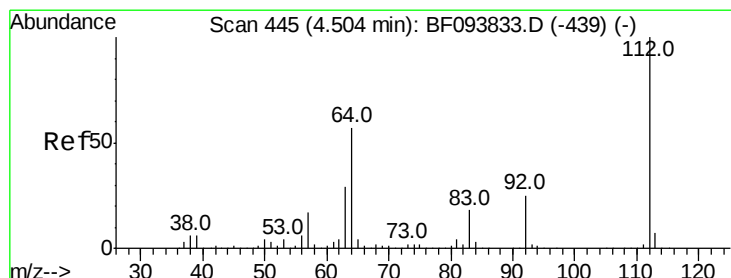
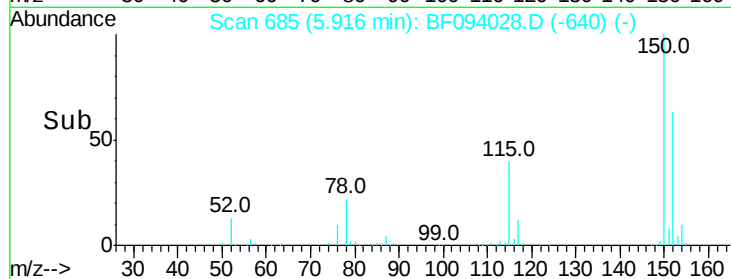
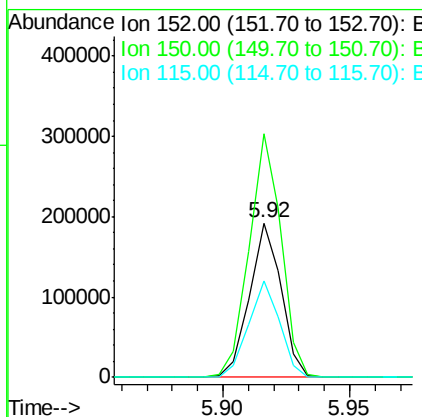
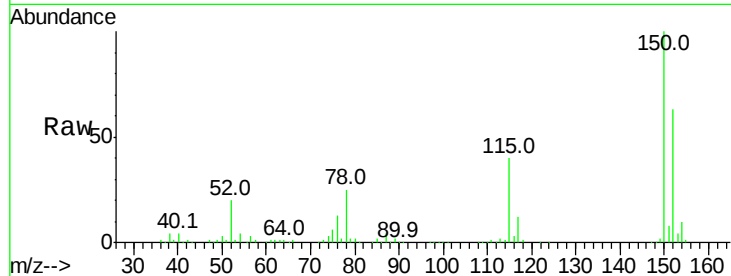
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.92 min Scan# 685
Delta R.T. -0.04 min
Lab File: BF094028.D
Acq: 29 Mar 2017 19:44

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-20-41

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.2	189.2
115	62.8	52.2	78.2

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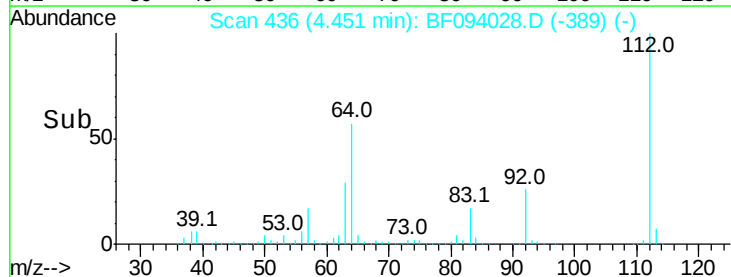
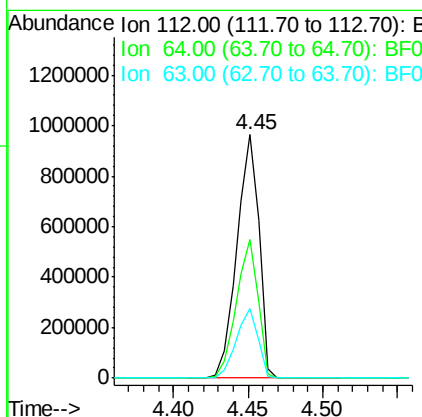
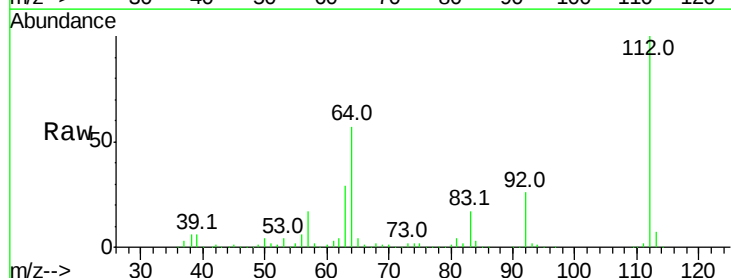
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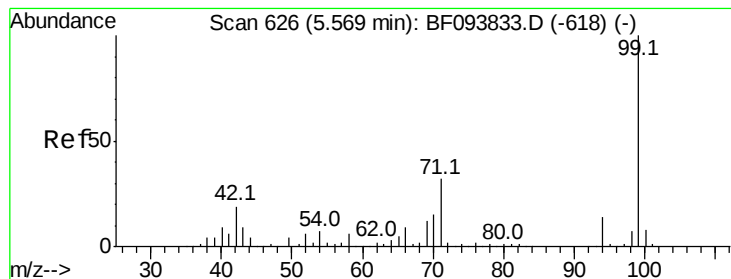


#5

2-Fluorophenol
Concen: 100.71 ng
RT: 4.45 min Scan# 436
Delta R.T. -0.02 min
Lab File: BF094028.D
Acq: 29 Mar 2017 19:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.0	69.0
63	28.5	23.4	35.0





#7

Phenol-d6

Concen: 104.02 ng

RT: 5.52 min Scan# 617

Delta R.T. -0.04 min

Lab File: BF094028.D

Acq: 29 Mar 2017 19:44

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-20-41

Tot Ion: 99 Resp: 1271102

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

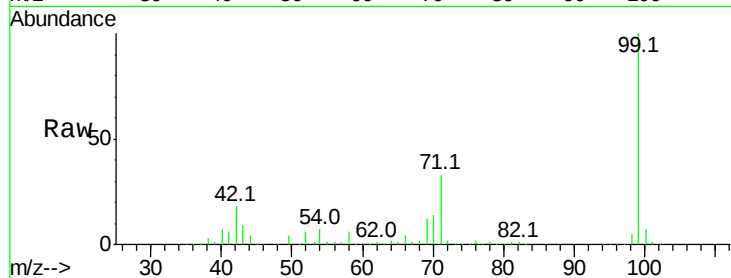
71 33.3 24.5 36.7

Manual Integrations

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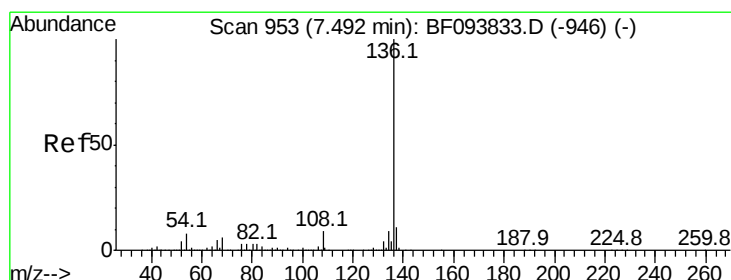
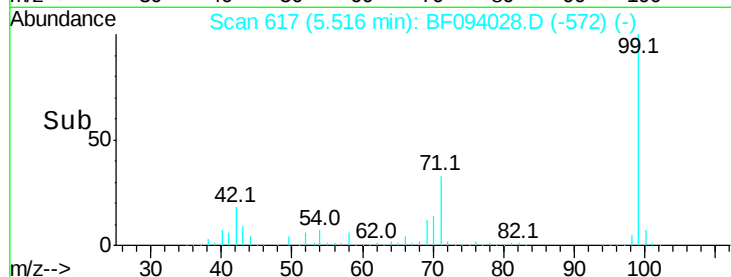
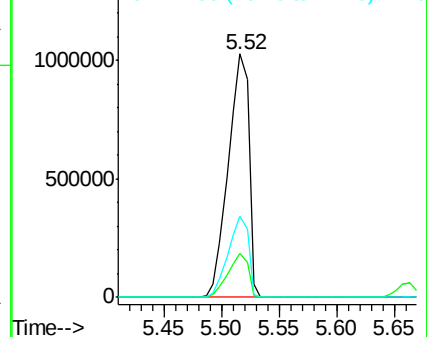
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 7.42 min Scan# 941

Delta R.T. -0.04 min

Lab File: BF094028.D

Acq: 29 Mar 2017 19:44

Tgt Ion: 136 Resp: 694189

Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.9 4.9 7.3

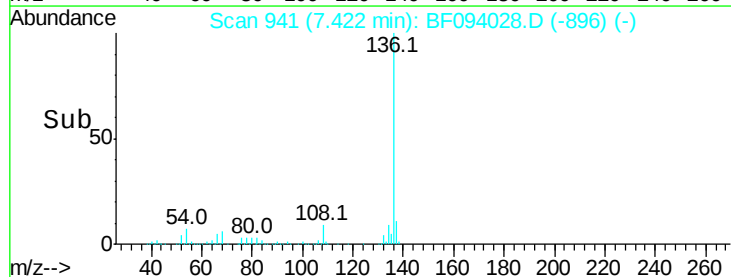
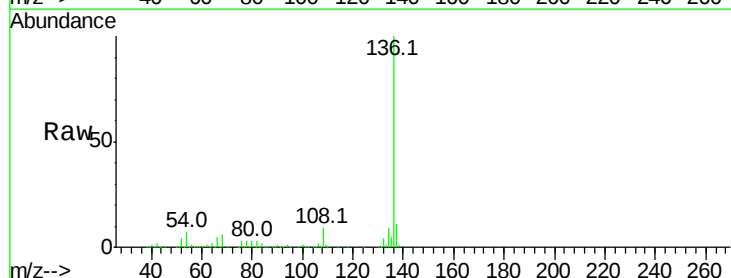
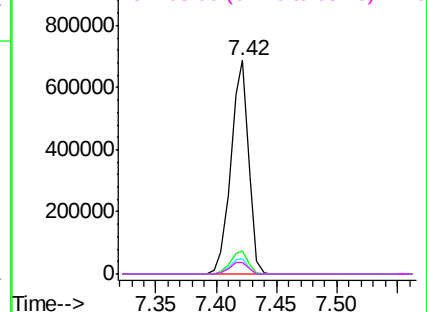
68 5.6 4.1 6.1

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





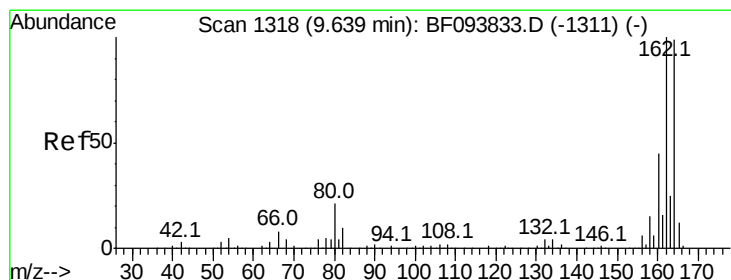
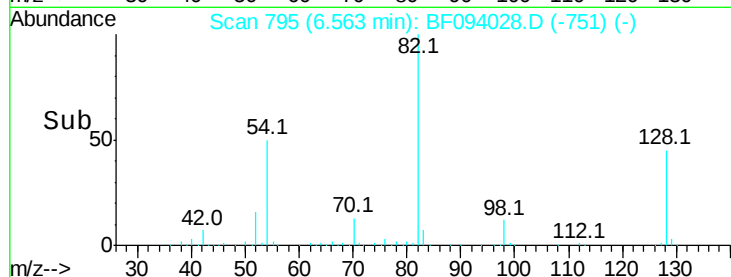
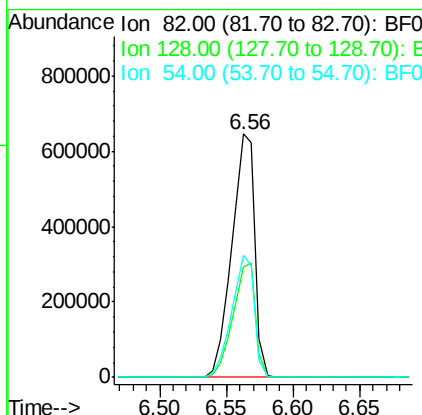
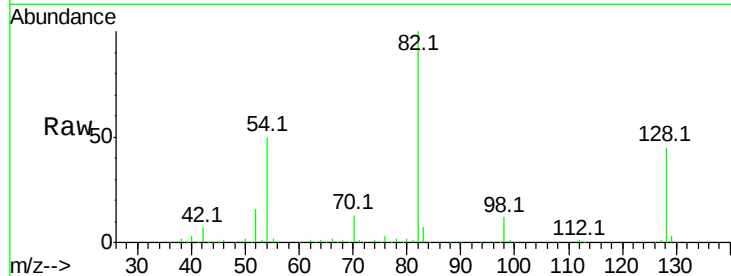
#23
Nitrobenzene-d5
Concen: 64.11 ng
RT: 6.56 min Scan# 795
Delta R.T. -0.04 min
Lab File: BF094028.D
Acq: 29 Mar 2017 19:44

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-20-41

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	34.0	51.0
54	50.2	42.2	63.2

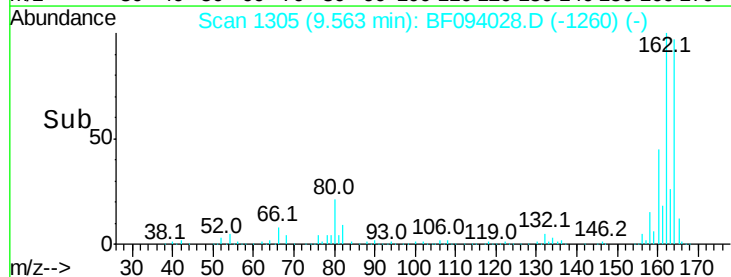
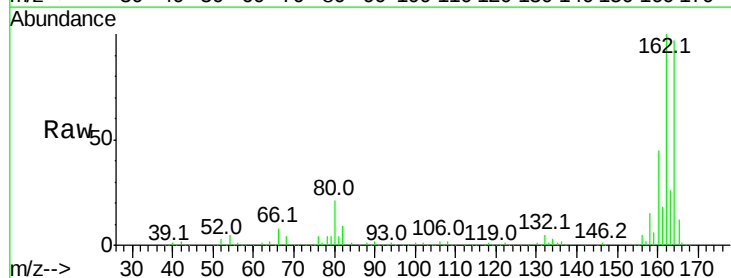
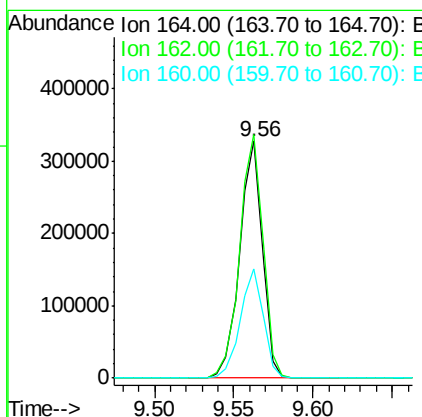
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.56 min Scan# 1305
Delta R.T. -0.04 min
Lab File: BF094028.D
Acq: 29 Mar 2017 19:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.6	123.8
160	46.1	36.2	54.2





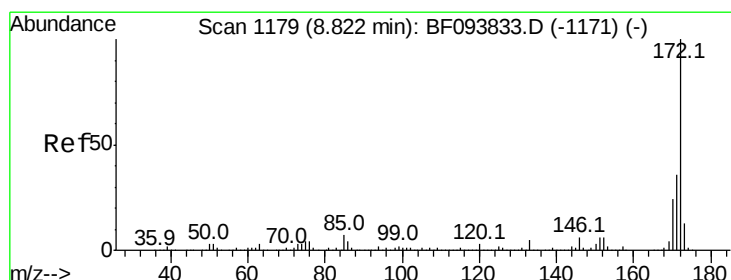
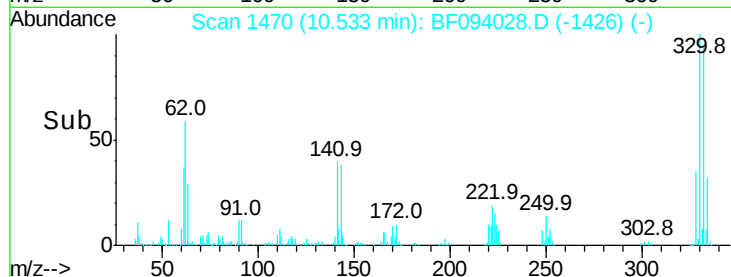
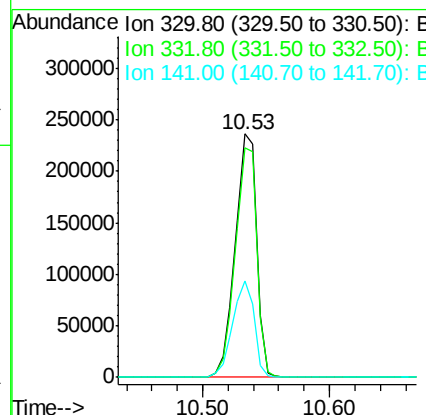
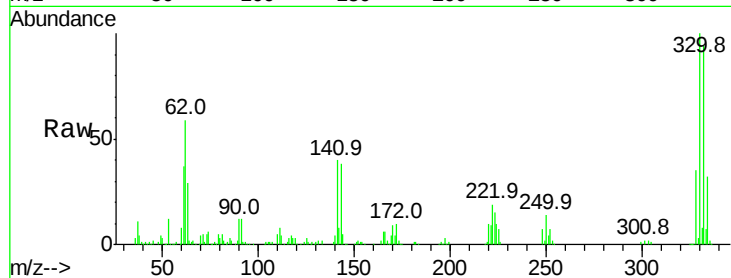
#41
 2,4,6-Tribromophenol
 Concen: 107.58 ng
 RT: 10.53 min Scan# 1470
 Delta R.T. -0.04 min
 Lab File: BF094028.D
 Acq: 29 Mar 2017 19:44

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-20-41

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.6	115.0
141	40.0	31.4	47.2

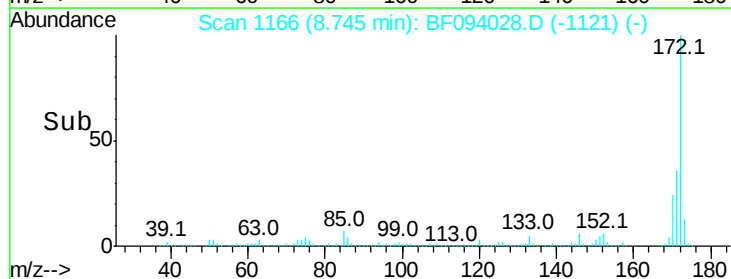
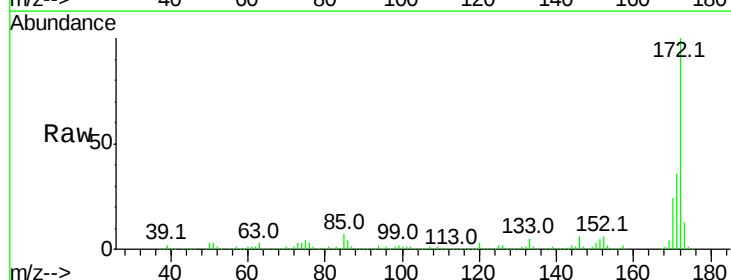
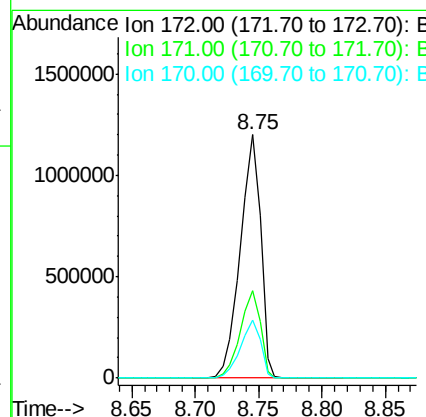
Manual Integrations
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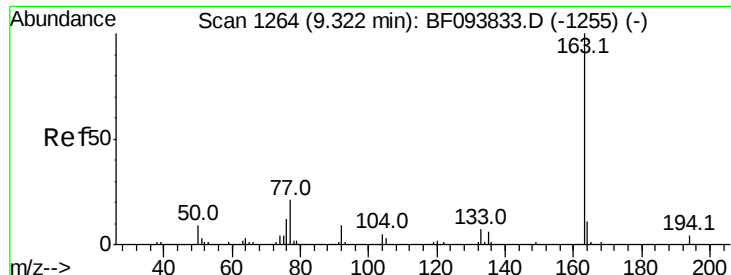
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#44
 2-Fluorobiphenyl
 Concen: 62.37 ng
 RT: 8.75 min Scan# 1166
 Delta R.T. -0.04 min
 Lab File: BF094028.D
 Acq: 29 Mar 2017 19:44

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





#49

Dimethylphthalate

Concen: 3.70 ng

RT: 9.24 min Scan# 1250

Delta R.T. -0.05 min

Lab File: BF094028.D

Acq: 29 Mar 2017 19:44

Instrument :

BNA_F

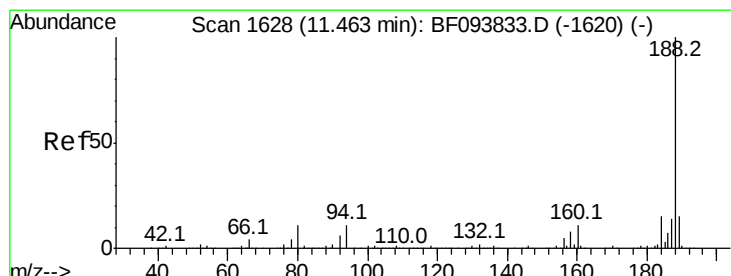
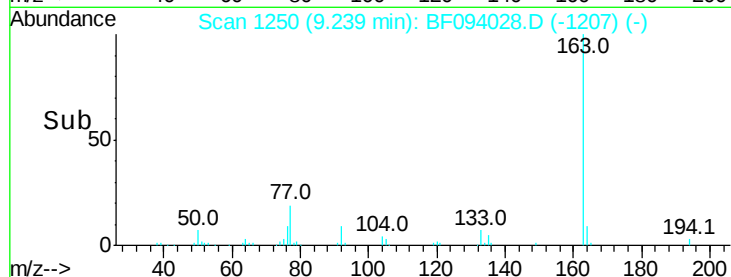
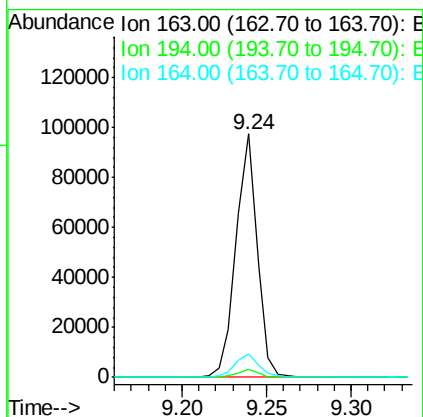
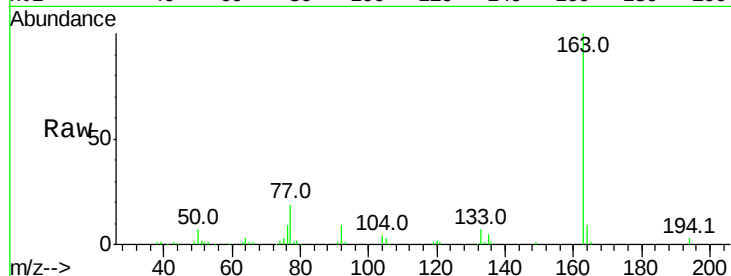
ClientSampleId :

ROLL-OFF-20-41

Tot Ion:	163	Resp:	85048
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.6	4.0
164	9.4	8.4	12.6

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#63

Phenanthrene-d10

Concen: 20.00 ng

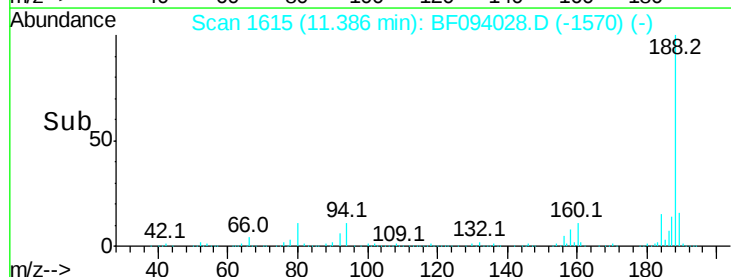
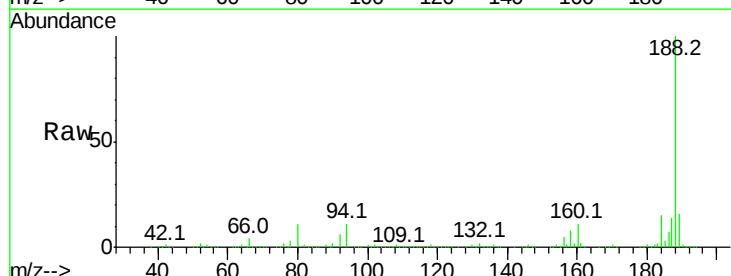
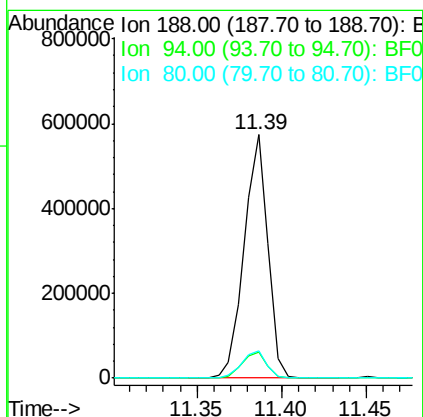
RT: 11.39 min Scan# 1615

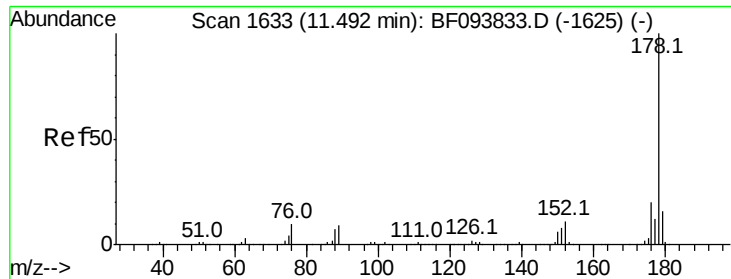
Delta R.T. -0.04 min

Lab File: BF094028.D

Acq: 29 Mar 2017 19:44

Tgt Ion:	188	Resp:	559666
Ion Ratio	Lower	Upper	
188	100		
94	10.9	9.4	14.2
80	11.4	10.2	15.2





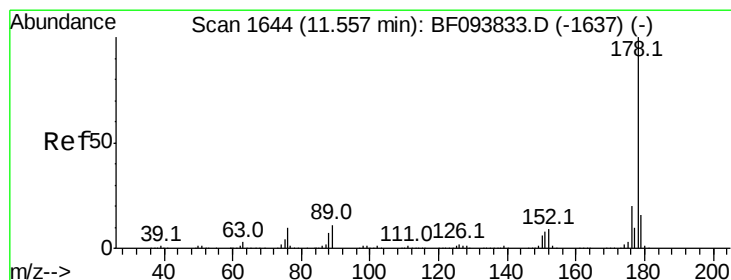
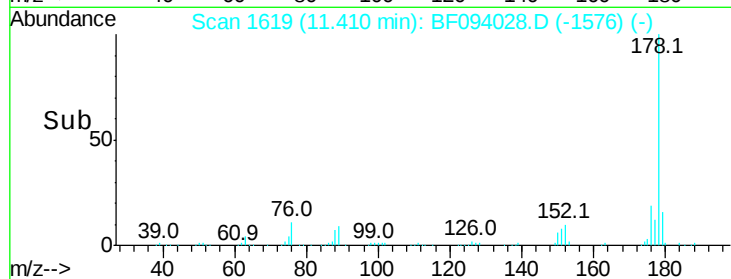
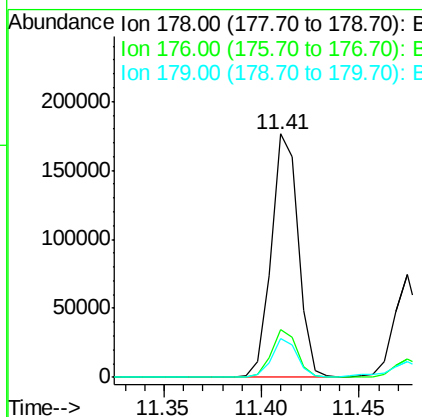
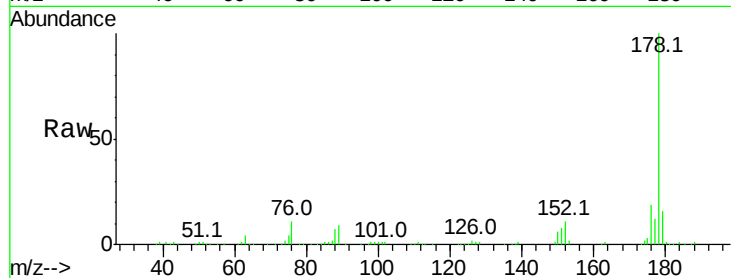
#70
Phenanthrene
Concen: 5.43 ng
RT: 11.41 min Scan# 1619
Delta R.T. -0.05 min
Lab File: BF094028.D
Acq: 29 Mar 2017 19:44

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-20-41

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.8	12.6	19.0

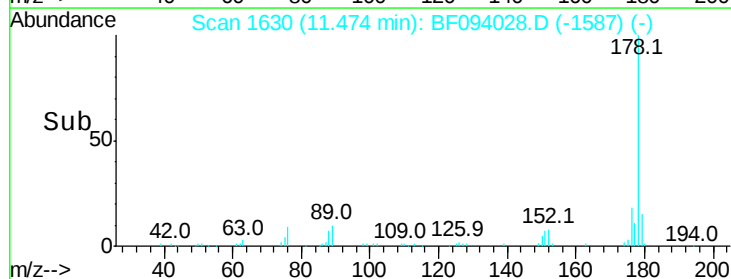
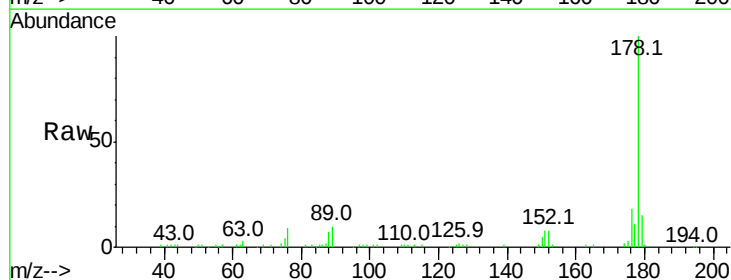
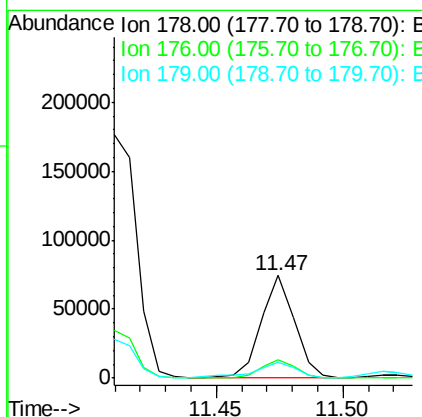
Manual Integrations
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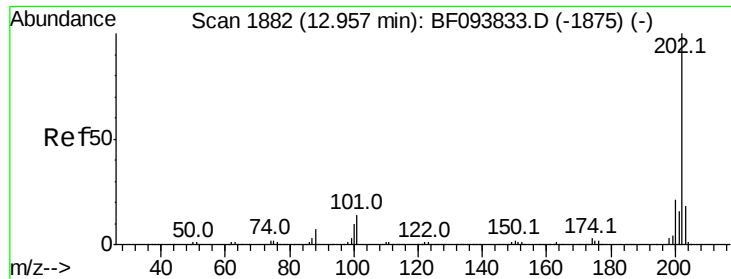
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#71
Anthracene
Concen: 2.10 ng
RT: 11.47 min Scan# 1630
Delta R.T. -0.05 min
Lab File: BF094028.D
Acq: 29 Mar 2017 19:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	15.0	12.7	19.1





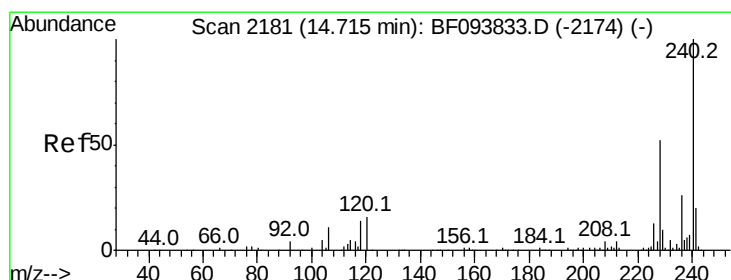
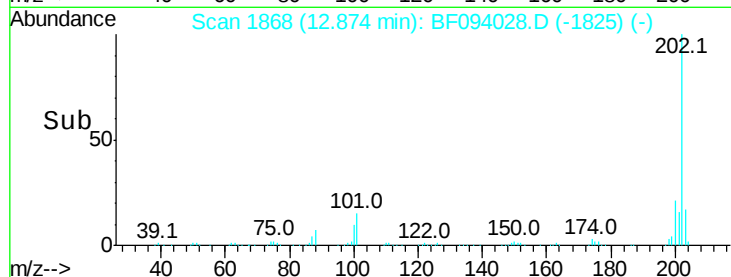
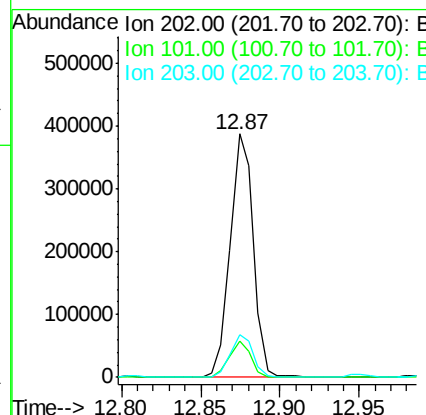
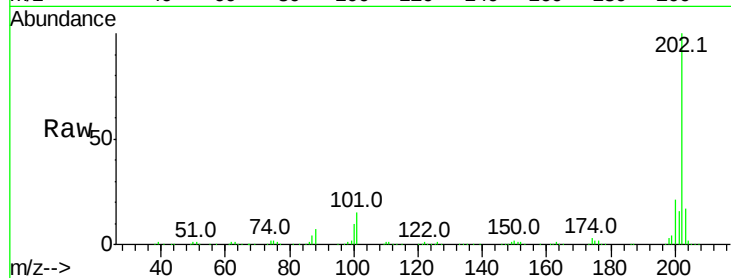
#74
Fluoranthene
Concen: 12.21 ng
RT: 12.87 min Scan# 1868
Delta R.T. -0.05 min
Lab File: BF094028.D
Acq: 29 Mar 2017 19:44

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-20-41

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.9	0.0	33.2
203	17.3	0.0	38.1

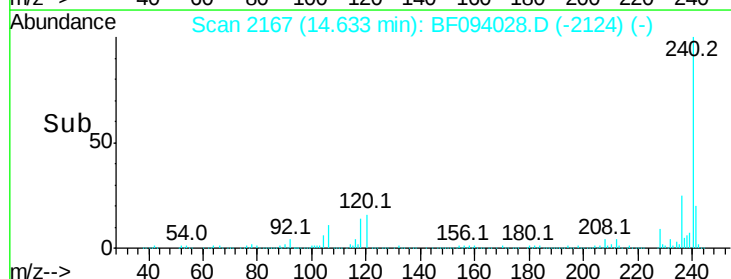
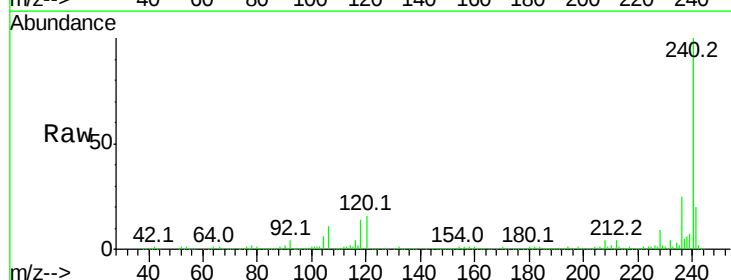
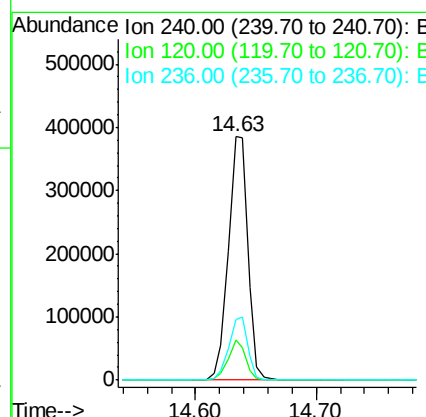
Manual Integrations
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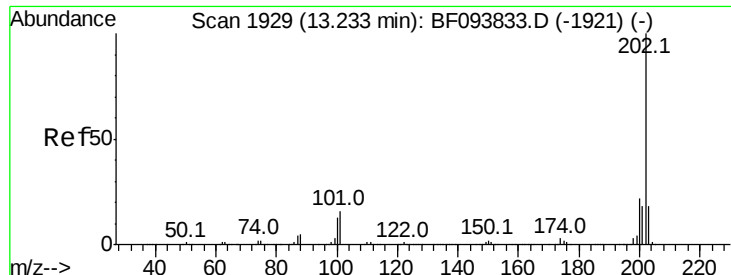
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.63 min Scan# 2167
Delta R.T. -0.05 min
Lab File: BF094028.D
Acq: 29 Mar 2017 19:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	16.5	5.8	8.8#
236	24.7	20.5	30.7





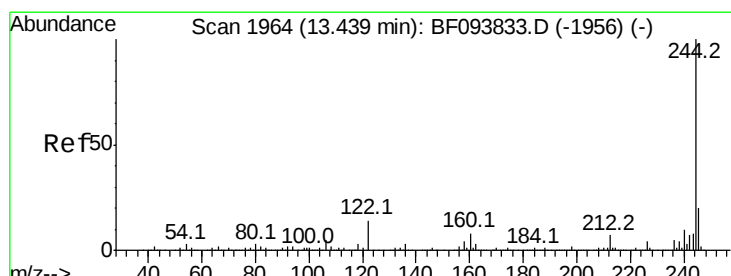
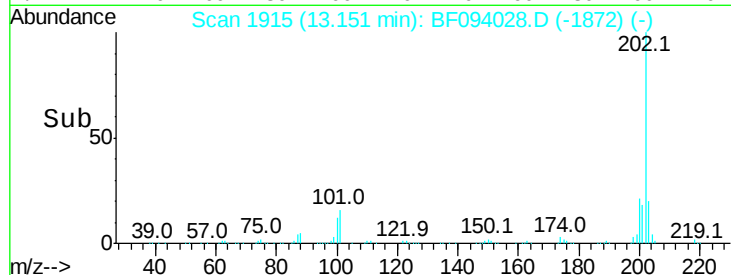
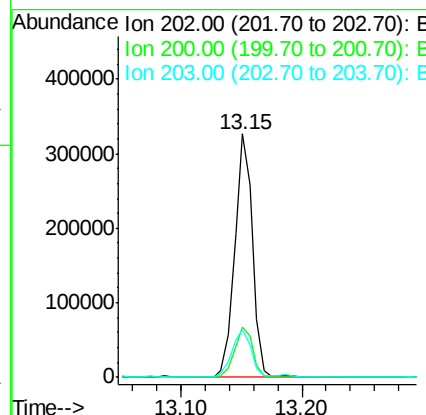
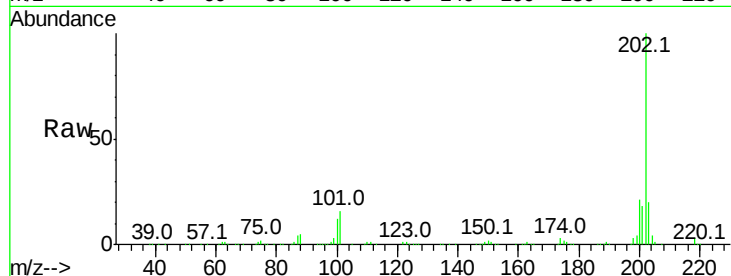
#77
Pvrene
Concen: 10.69 ng
RT: 13.15 min Scan# 1915
Delta R.T. -0.05 min
Lab File: BF094028.D
Acq: 29 Mar 2017 19:44

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-20-41

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.6	26.4
203	19.6	14.4	21.6

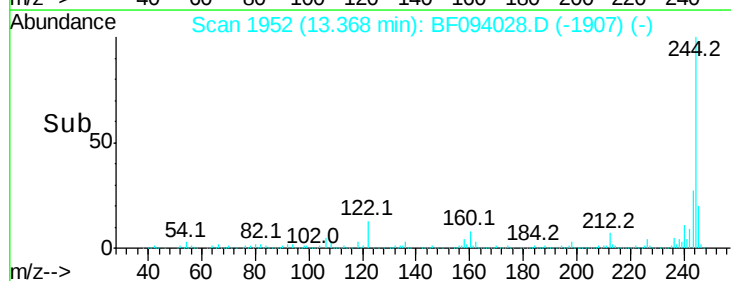
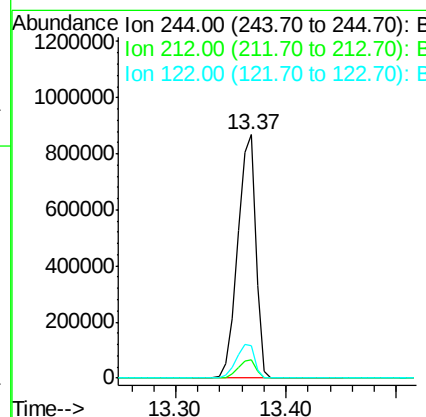
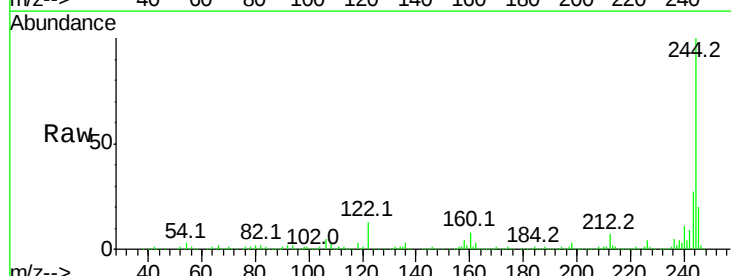
Manual Integrations
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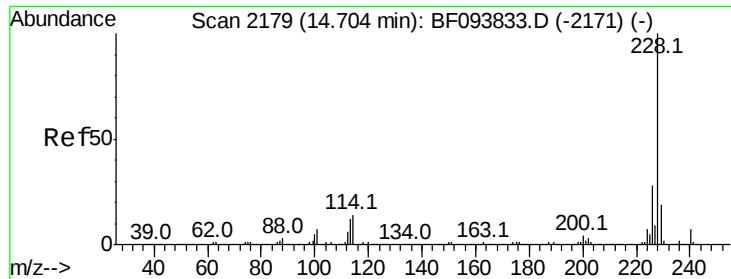
mohammad
3/30/2017 2:31:39 PM



#78
Terphenyl-d14
Concen: 52.10 ng
RT: 13.37 min Scan# 1952
Delta R.T. -0.04 min
Lab File: BF094028.D
Acq: 29 Mar 2017 19:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	13.1	10.3	15.5





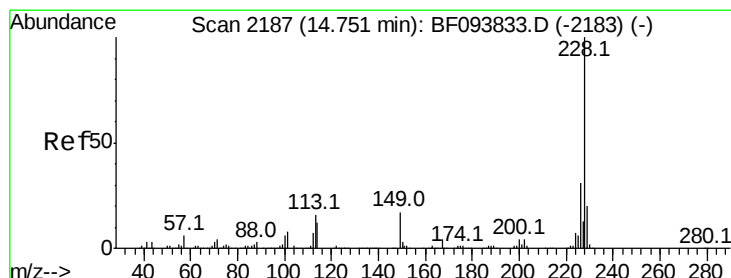
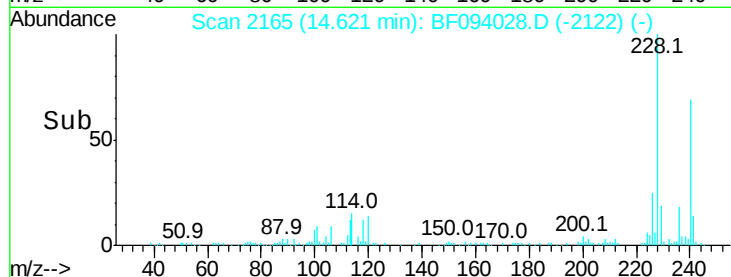
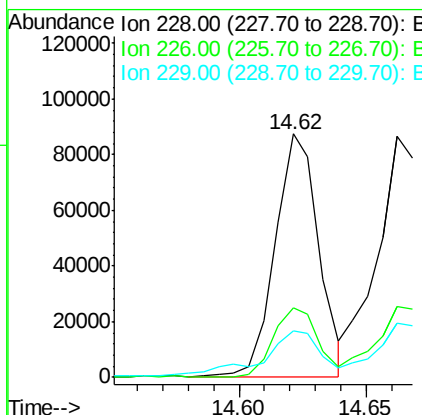
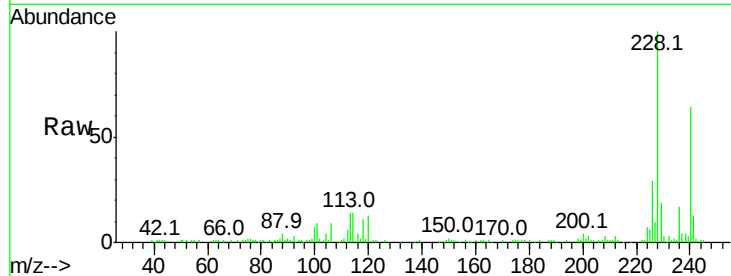
#80
Benzo(a)anthracene
Concen: 4.15 ng
RT: 14.62 min Scan# 2165
Delta R.T. -0.05 min
Lab File: BF094028.D
Acq: 29 Mar 2017 19:44

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-20-41

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	19.3	16.3	24.5

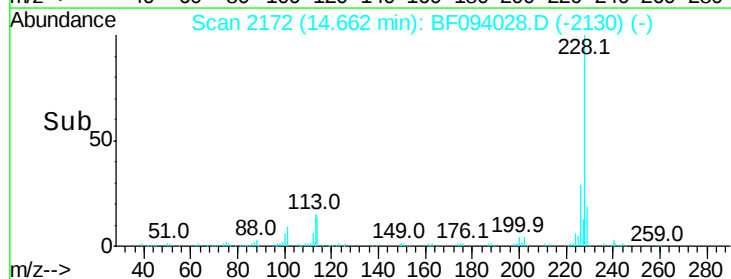
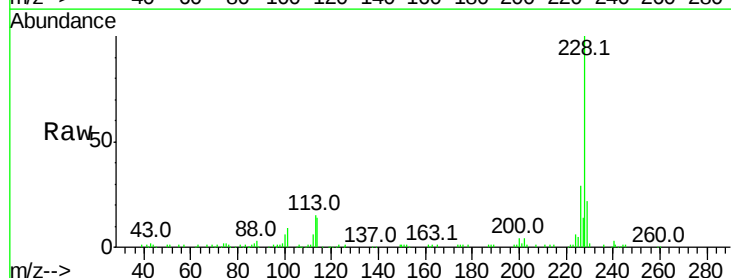
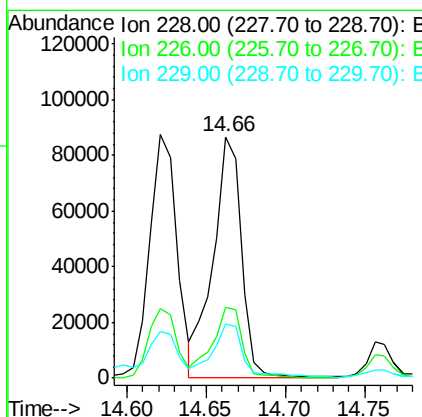
Manual Integrations
APPROVED

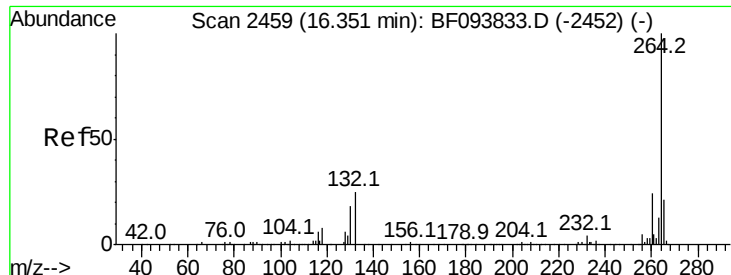
mohammad
3/30/2017 2:31:39 PM



#82
Chrysene
Concen: 4.62 ng
RT: 14.66 min Scan# 2172
Delta R.T. -0.05 min
Lab File: BF094028.D
Acq: 29 Mar 2017 19:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.9	37.3
229	22.5	15.8	23.6





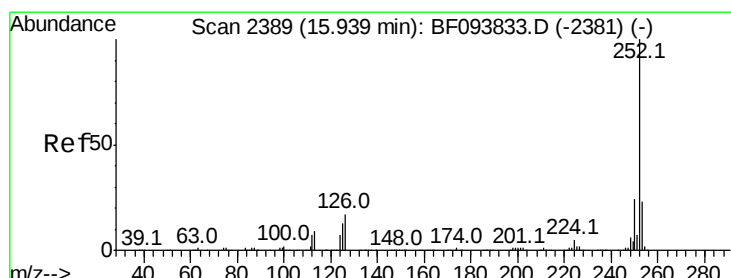
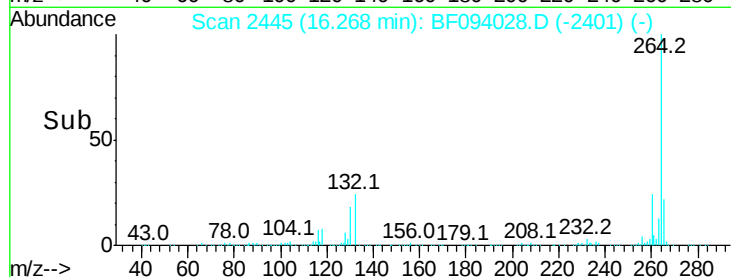
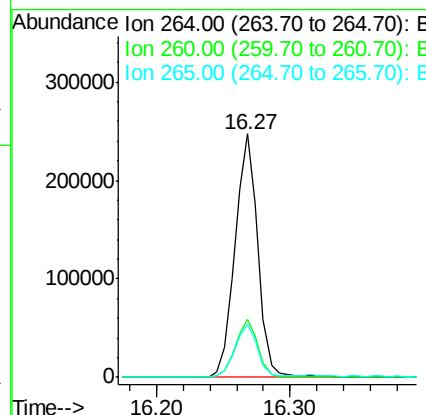
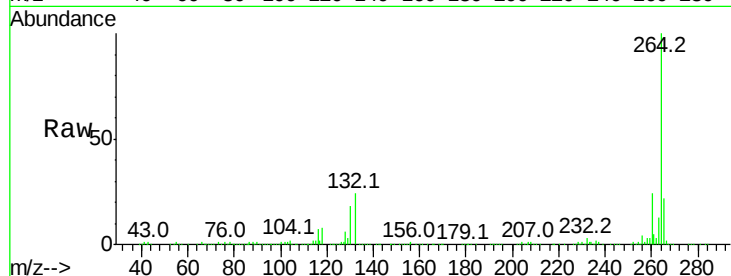
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.27 min Scan# 2445
Delta R.T. -0.04 min
Lab File: BF094028.D
Acq: 29 Mar 2017 19:44

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-20-41

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.0	17.2	25.8

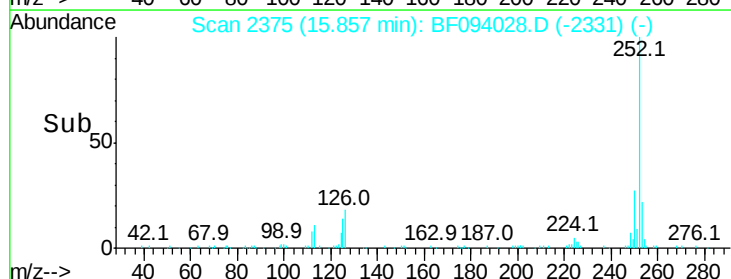
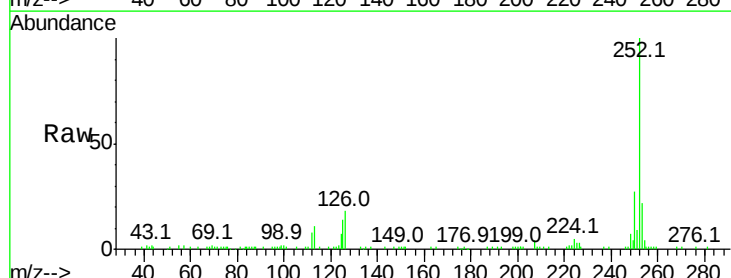
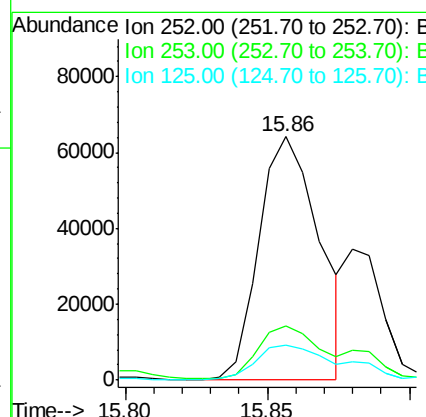
Manual Integrations
APPROVED

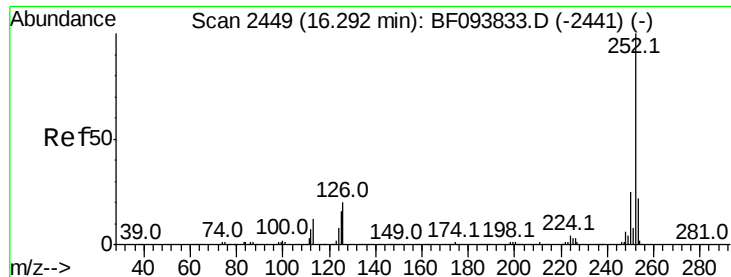
mohammad
3/30/2017 2:31:39 PM



#87
Benzo(b)fluoranthene
Concen: 5.24 ng m
RT: 15.86 min Scan# 2375
Delta R.T. -0.04 min
Lab File: BF094028.D
Acq: 29 Mar 2017 19:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	14.1	9.8	14.8





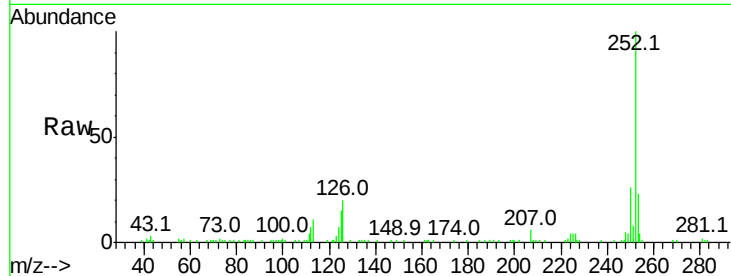
#89
Benzo(a)pyrene
Concen: 3.80 ng
RT: 16.20 min Scan# 2434
Delta R.T. -0.05 min
Lab File: BF094028.D
Acq: 29 Mar 2017 19:44

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-20-41

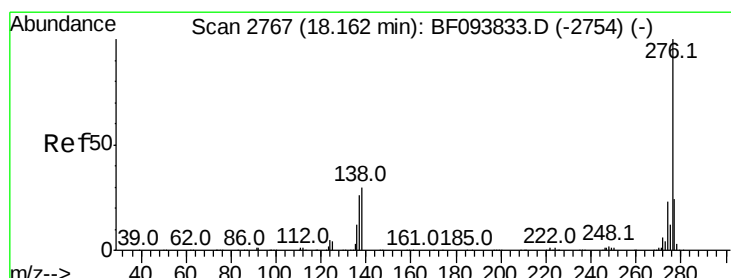
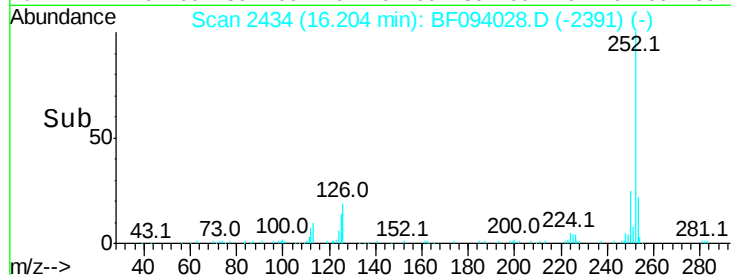
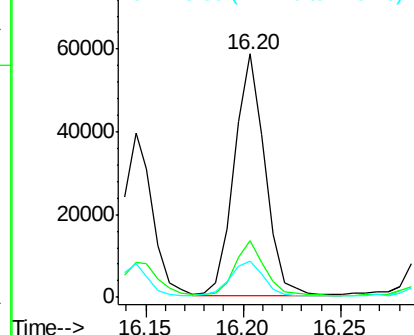
Tot Ion:	252	Resp:	63563
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.5	26.3
125	15.0	11.0	16.4

Manual Integrations
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3/30/2017 2:31:39 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: 2.52 ng
RT: 18.01 min Scan# 2741
Delta R.T. -0.09 min
Lab File: BF094028.D
Acq: 29 Mar 2017 19:44

Tgt Ion:	276	Resp:	36052
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.6	28.0
138	35.5	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

