

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
 Data File : BF075554.D
 Acq On : 15 Nov 2014 21:28
 Operator : TP / JJ
 Sample : F4632-01
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S32-FILL01

Manual Integrations
 APPROVED

mohammad
 11/17/2014 7:37:39 PM

Quant Time: Nov 16 06:57:19 2014
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 18:46:55 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	69141	20.00	ng	-0.02
21) Naphthalene-d8	9.13	136	296564	20.00	ng	-0.02
38) Acenaphthene-d10	11.30	164	150470	20.00	ng	-0.03
63) Phenanthrene-d10	13.16	188	256013	20.00	ng	-0.03
75) Chrysene-d12	16.45	240	294406	20.00	ng	-0.09
86) Perylene-d12	18.19	264	297510	20.00	ng	-0.25
System Monitoring Compounds						
5) 2-Fluorophenol	5.84	112	306226	78.24	ng	-0.02
7) Phenol-d6	7.10	99	402706	85.56	ng	-0.01
23) Nitrobenzene-d5	8.24	82	218041	53.90	ng	-0.02
41) 2,4,6-Tribromophenol	12.29	330	89691	71.17	ng	-0.03
44) 2-Fluorobiphenyl	10.47	172	386740	46.44	ng	-0.02
78) Terphenyl-d14	15.16	244	386943m	35.38	ng	-0.03
Target Compounds						
74) Fluoranthene	14.67	202	41112	2.85	ng	Qvalue 99
77) Pyrene	14.95	202	37602m	2.20	ng	

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

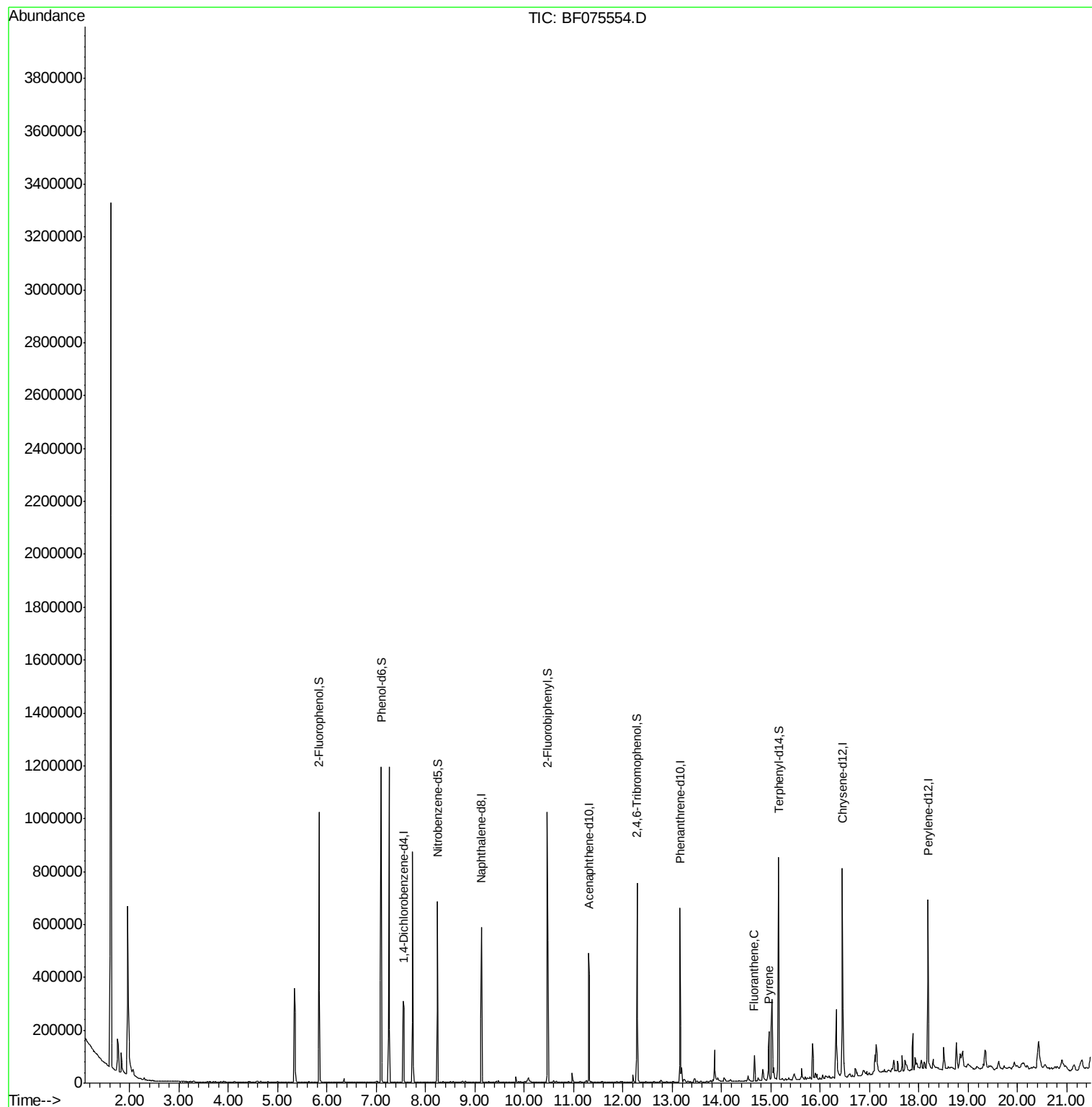
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075554.D
Acq On : 15 Nov 2014 21:28
Operator : TP / JJ
Sample : F4632-01
Misc :
ALS Vial : 52 Sample Multiplier: 1

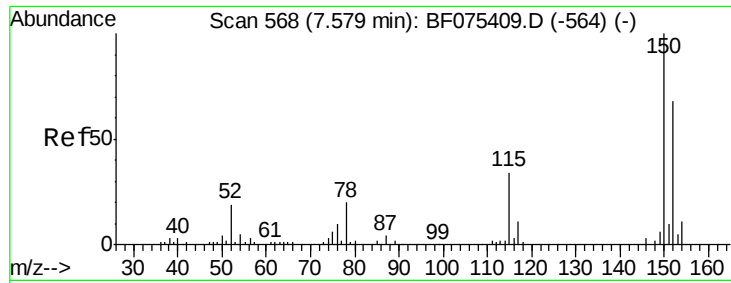
Instrument :
BNA_F
ClientSampleId :
S32-FILL01

Manual Integrations
APPROVED

mohammad
11/17/2014 7:37:39 PM

Quant Time: Nov 16 06:57:19 2014
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 18:46:55 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 566

Delta R.T. -0.02 min

Lab File: BF075554.D

Acq: 15 Nov 2014 21:28

Instrument :

BNA_F

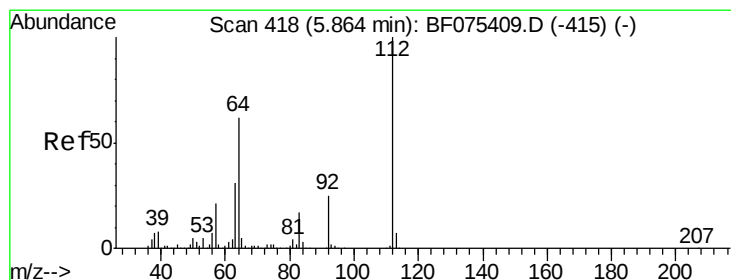
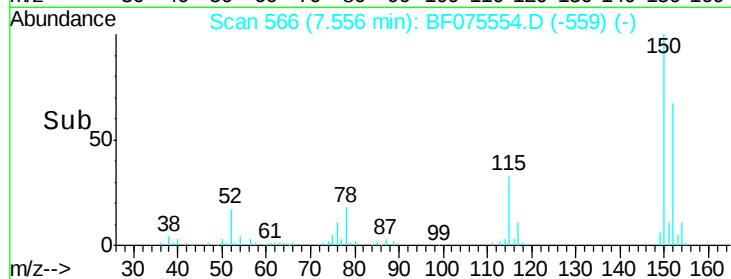
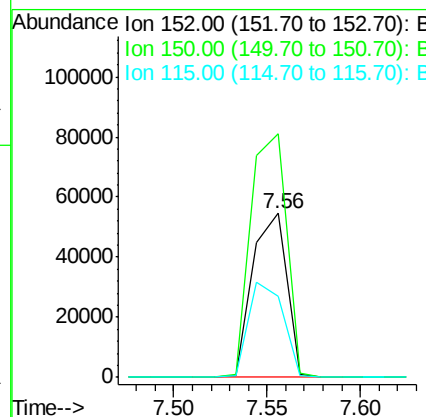
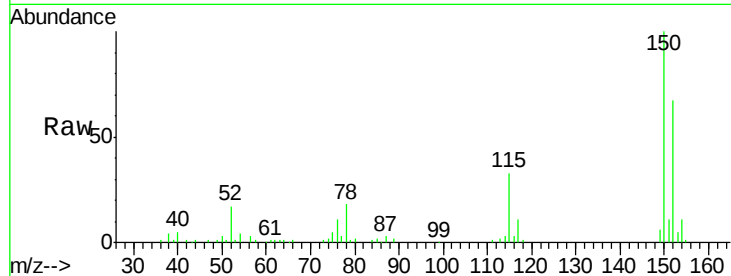
ClientSampleId :

S32-FILL01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.7	127.2	190.8
115	49.4	57.1	85.7

Manual Integrations
APPROVED

mohammad
11/17/2014 7:37:39 PM



#5

2-Fluorophenol

Concen: 78.24 ng

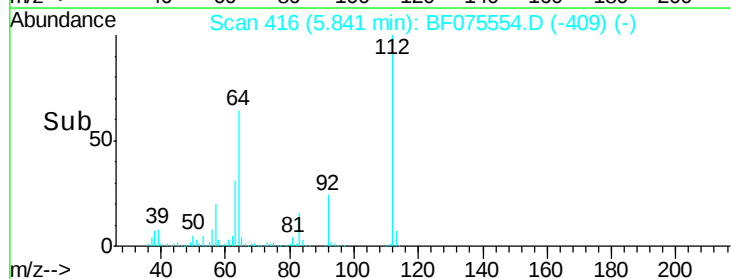
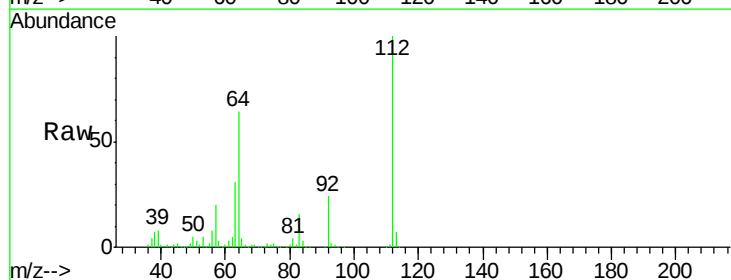
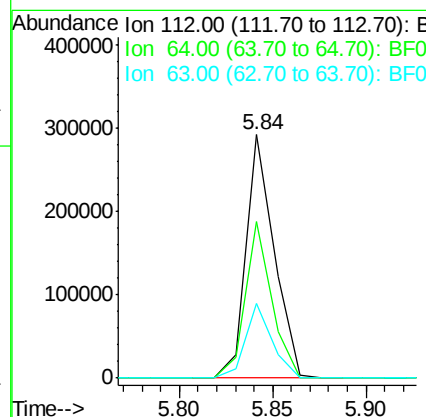
RT: 5.84 min Scan# 416

Delta R.T. -0.02 min

Lab File: BF075554.D

Acq: 15 Nov 2014 21:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.2	45.8	68.6
63	30.6	22.7	34.1





#7

Phenol-d6

Concen: 85.56 ng

RT: 7.10 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF075554.D

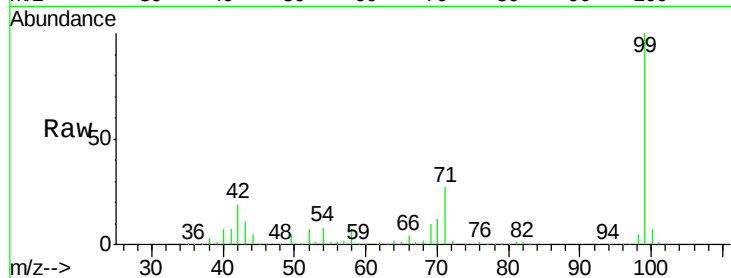
Acq: 15 Nov 2014 21:28

Instrument :

BNA_F

ClientSampleId :

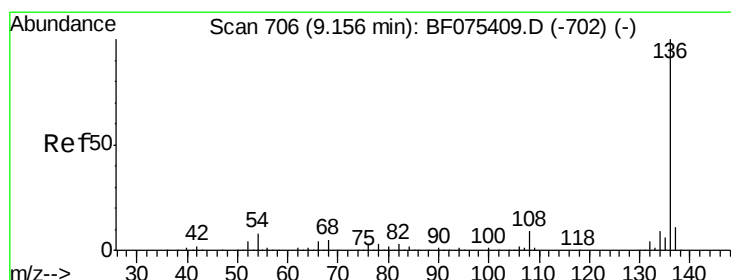
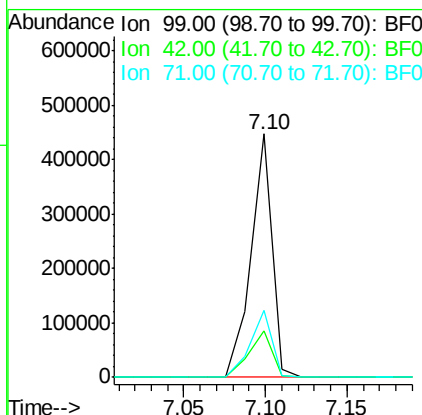
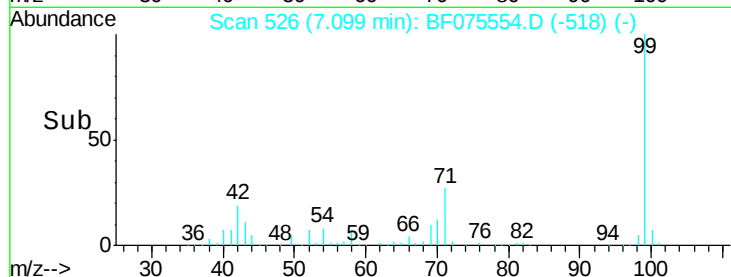
S32-FILL01



Tgt Ion	Ratio	Lower	Upper
99	100		
42	19.4	19.8	29.6#
71	27.3	25.5	38.3

Manual Integrations
APPROVED

mohammad
11/17/2014 7:37:39 PM



#21

Naphthalene-d8

Concen: 20.00 ng

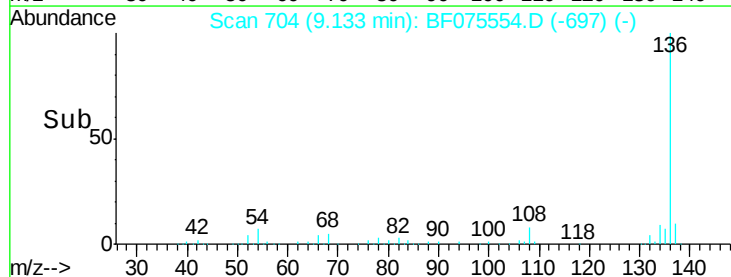
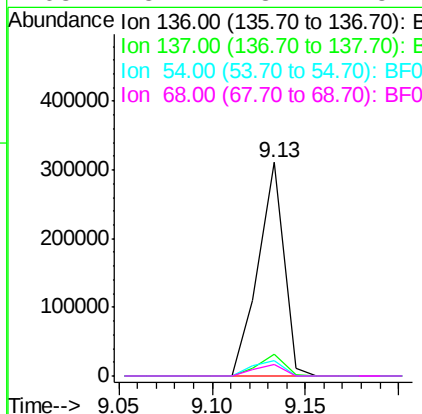
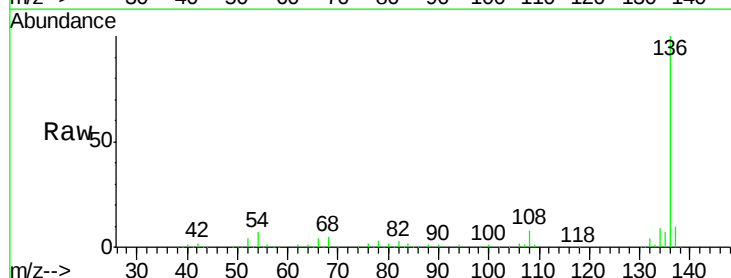
RT: 9.13 min Scan# 704

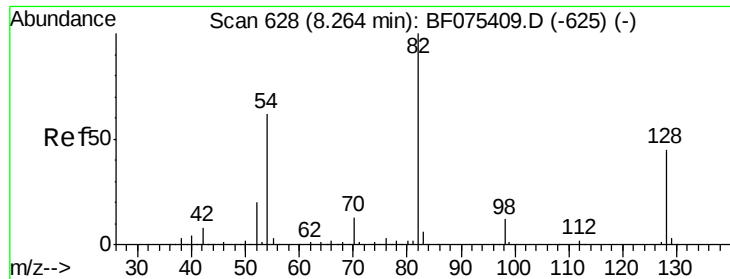
Delta R.T. -0.02 min

Lab File: BF075554.D

Acq: 15 Nov 2014 21:28

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.2	12.4
54	7.3	6.2	9.4
68	5.2	3.4	5.2#





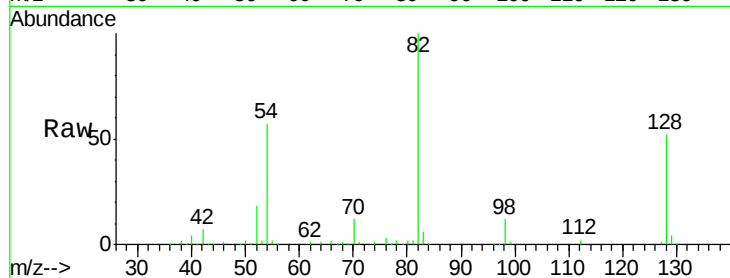
#23
 Nitrobenzene-d5
 Concen: 53.90 ng
 RT: 8.24 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: BF075554.D
 Acq: 15 Nov 2014 21:28

Instrument :
 BNA_F
 ClientSampleId :
 S32-FILL01

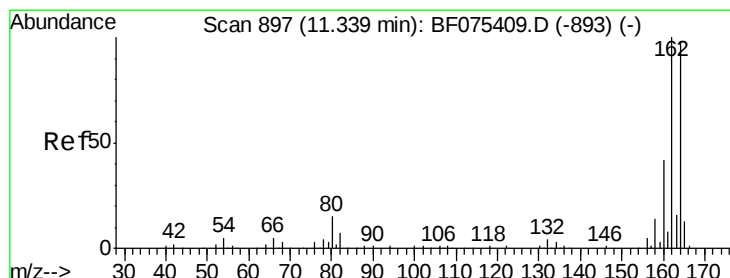
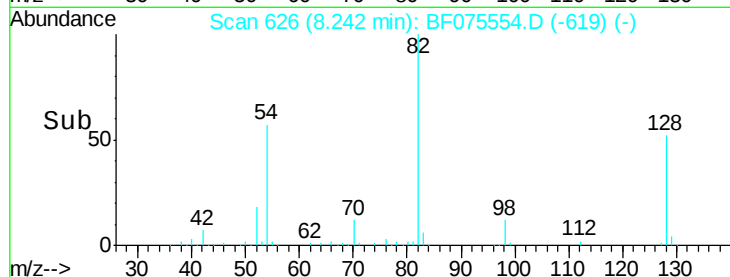
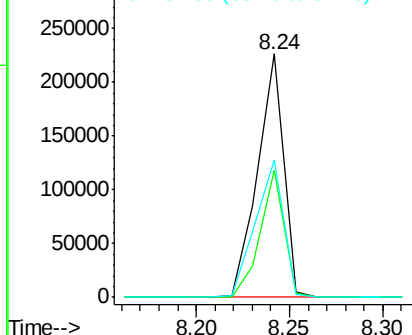
Tgt Ion	Ratio	Lower	Upper
82	100		
128	52.0	37.8	56.6
54	56.6	49.8	74.8

Manual Integrations
 APPROVED

mohammad
 11/17/2014 7:37:39 PM



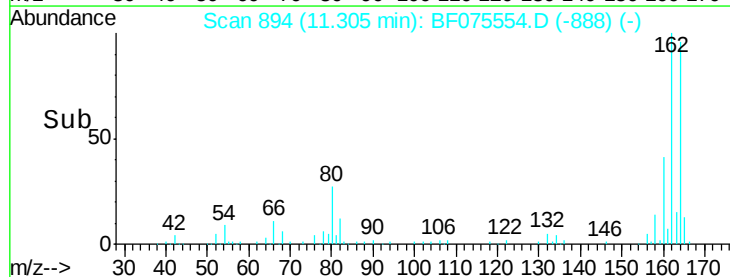
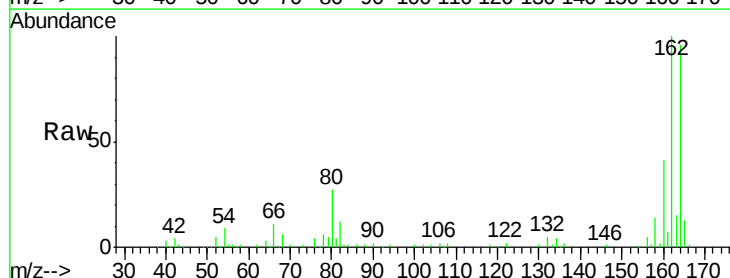
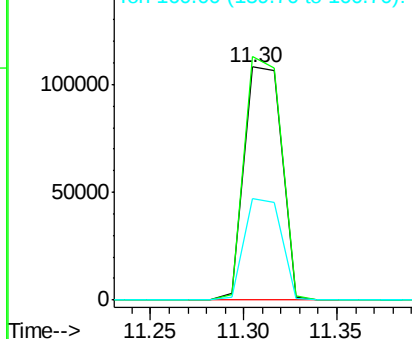
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 894
 Delta R.T. -0.03 min
 Lab File: BF075554.D
 Acq: 15 Nov 2014 21:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	79.1	118.7
160	43.2	34.6	51.8

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





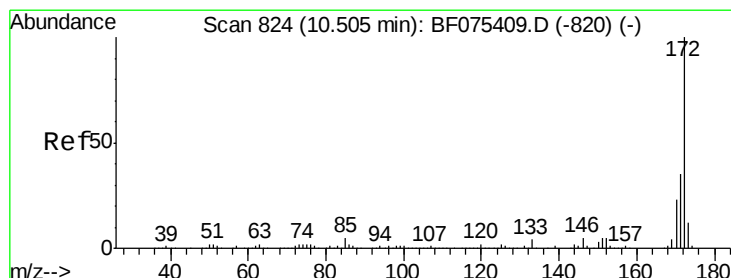
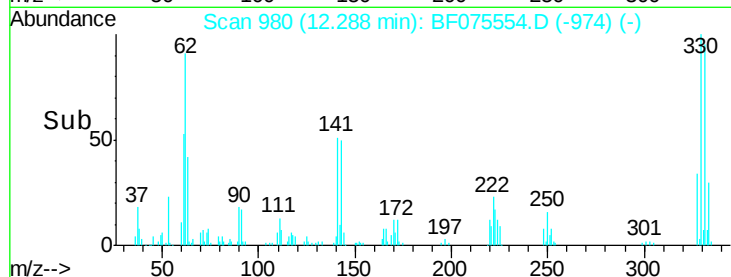
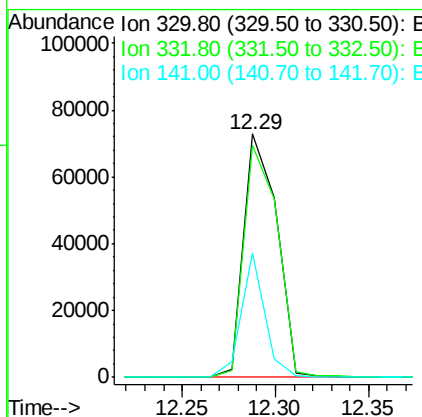
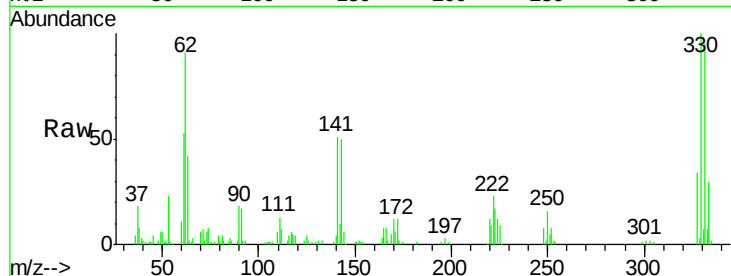
#41
 2,4,6-Tribromophenol
 Concen: 71.17 ng
 RT: 12.29 min Scan# 980
 Delta R.T. -0.03 min
 Lab File: BF075554.D
 Acq: 15 Nov 2014 21:28

Instrument :
 BNA_F
 ClientSampleId :
 S32-FILL01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	89691		
332	97.3	74.5	111.7	
141	36.6	30.7	46.1	

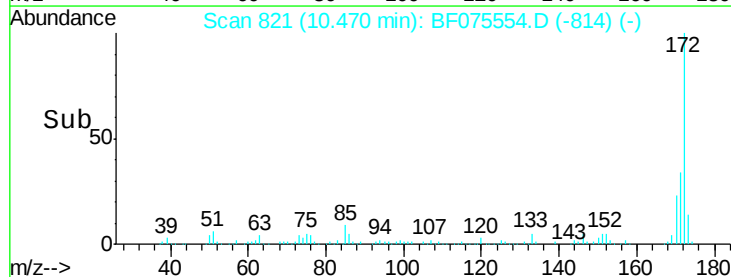
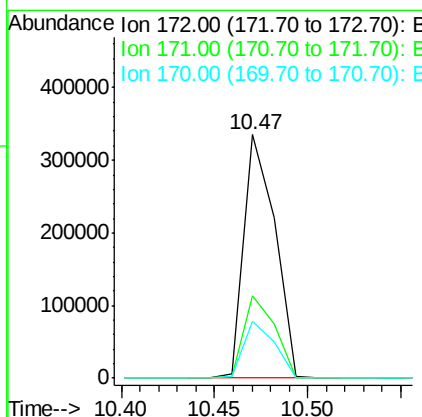
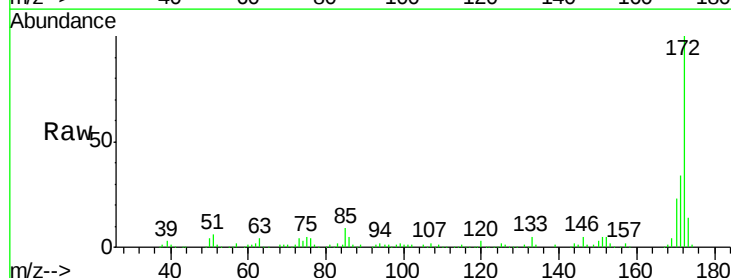
Manual Integrations
 APPROVED

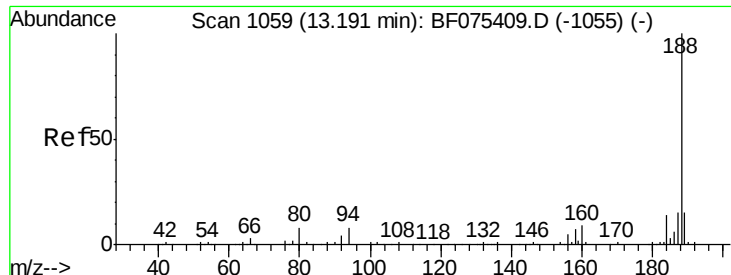
mohammad
 11/17/2014 7:37:39 PM



#44
 2-Fluorobiphenyl
 Concen: 46.44 ng
 RT: 10.47 min Scan# 821
 Delta R.T. -0.02 min
 Lab File: BF075554.D
 Acq: 15 Nov 2014 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	386740		
171	34.0	27.3	40.9	
170	23.1	18.4	27.6	





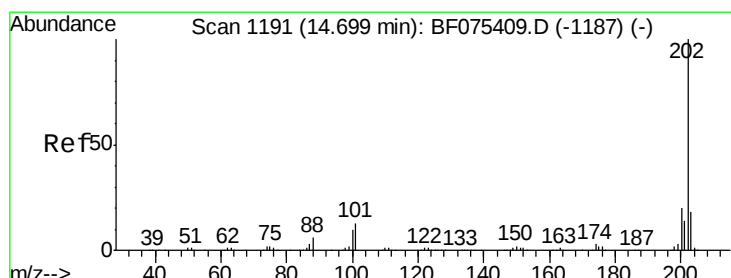
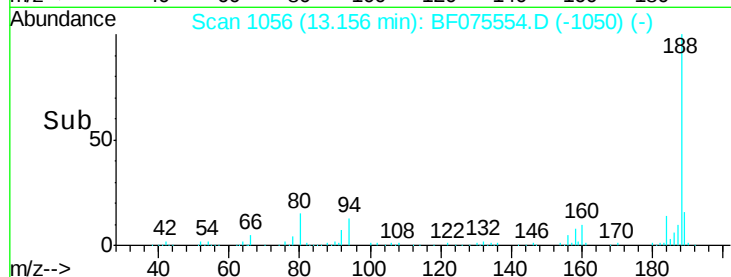
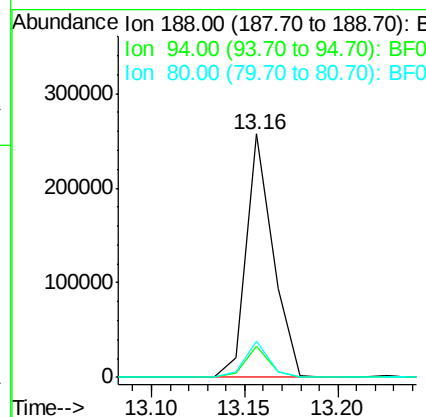
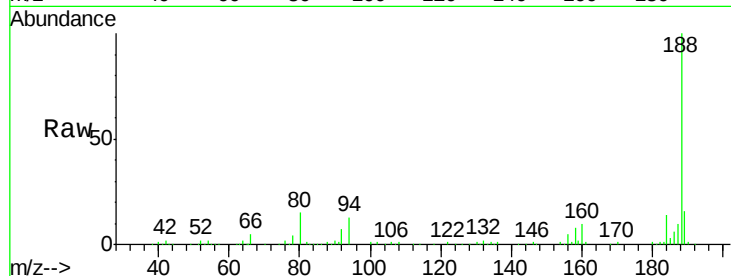
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.16 min Scan# 1056
Delta R.T. -0.03 min
Lab File: BF075554.D
Acq: 15 Nov 2014 21:28

Instrument :
BNA_F
ClientSampleId :
S32-FILL01

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	13.0	7.8	11.6#
80	15.1	8.0	12.0#

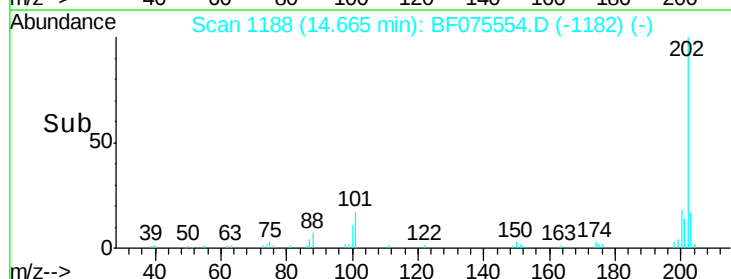
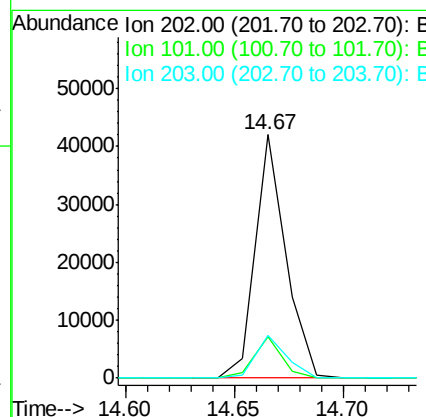
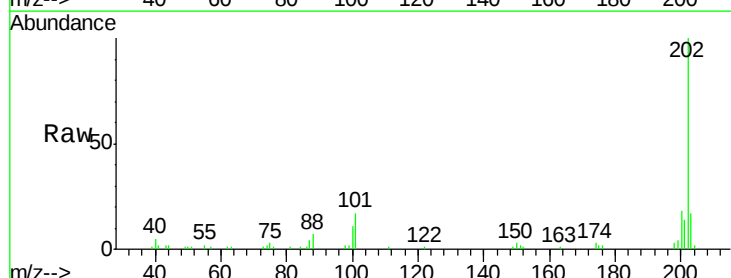
Manual Integrations
APPROVED

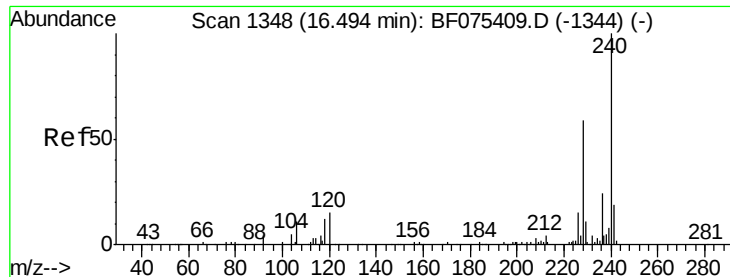
mohammad
11/17/2014 7:37:39 PM



#74
Fluoranthene
Concen: 2.85 ng
RT: 14.67 min Scan# 1188
Delta R.T. -0.03 min
Lab File: BF075554.D
Acq: 15 Nov 2014 21:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	16.8	0.0	36.6
203	17.3	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.45 min Scan# 1344

Delta R.T. -0.09 min

Lab File: BF075554.D

Acq: 15 Nov 2014 21:28

Instrument :

BNA_F

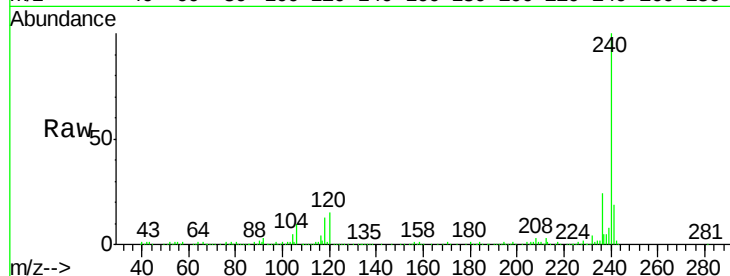
ClientSampleId :

S32-FILL01

Tgt Ion:	240	Resp:	294406
Ion Ratio	Lower	Upper	
240	100		
120	14.7	9.6	14.4#
236	24.3	18.9	28.3

Manual Integrations
APPROVED

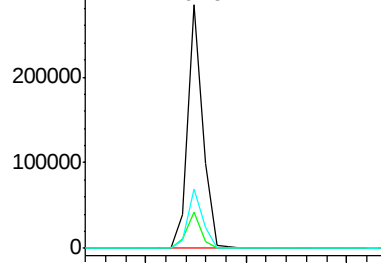
mohammad
11/17/2014 7:37:39 PM



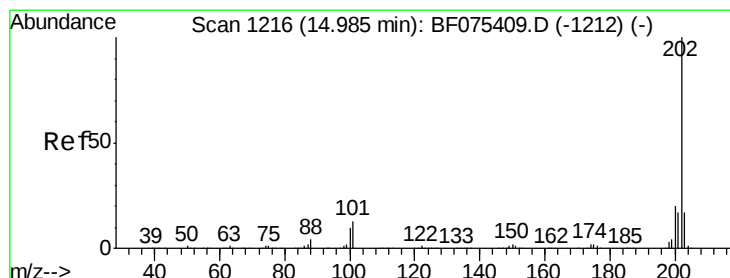
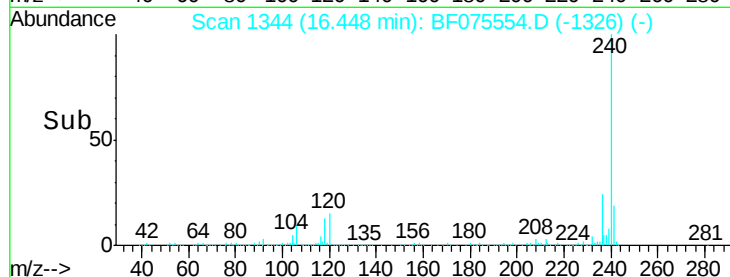
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 2.20 ng m

RT: 14.95 min Scan# 1213

Delta R.T. -0.03 min

Lab File: BF075554.D

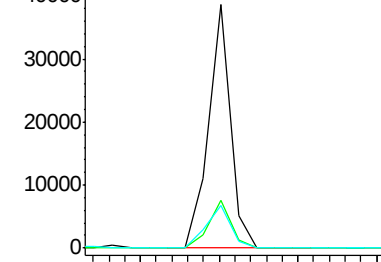
Acq: 15 Nov 2014 21:28

Tgt Ion:	202	Resp:	37602
Ion Ratio	Lower	Upper	
202	100		
200	19.7	16.8	25.2
203	17.5	14.3	21.5

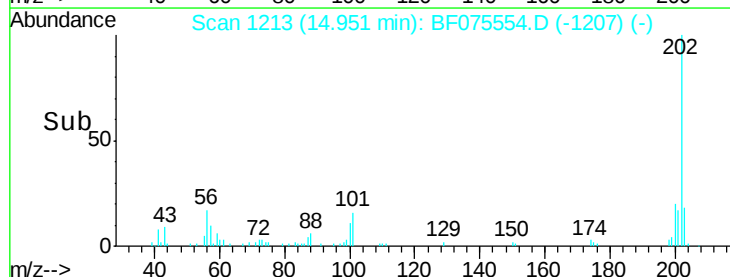
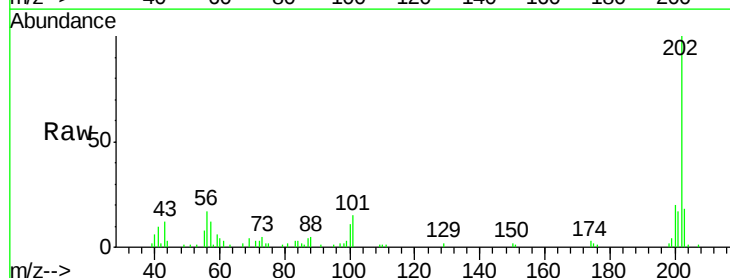
Abundance Ion 202.00 (201.70 to 202.70): E

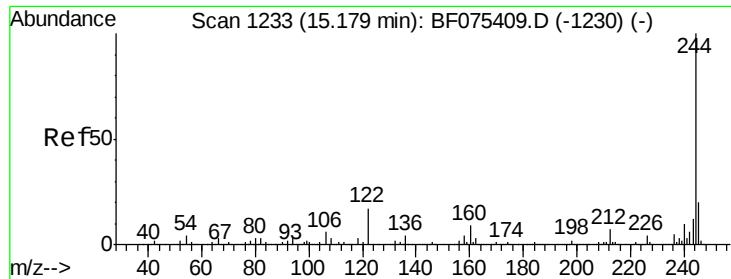
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





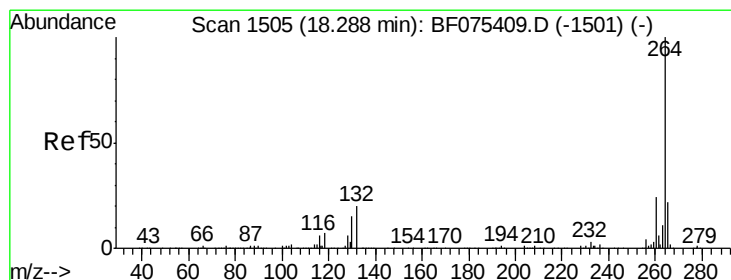
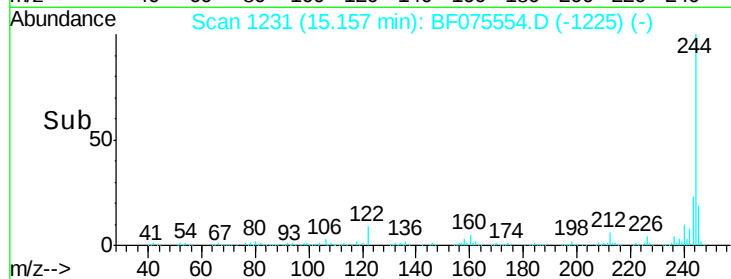
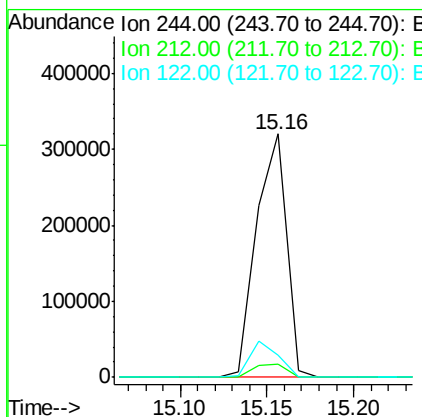
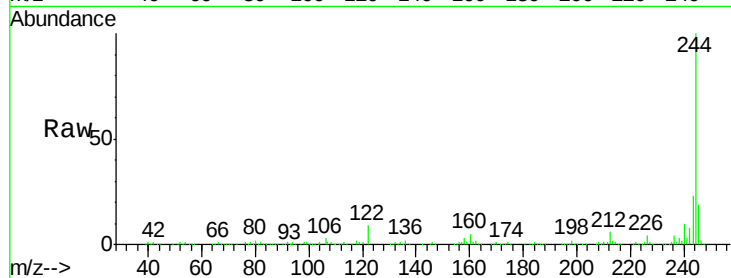
#78
 Terphenyl-d14
 Concen: 35.38 ng m
 RT: 15.16 min Scan# 1231
 Delta R.T. -0.03 min
 Lab File: BF075554.D
 Acq: 15 Nov 2014 21:28

Instrument :
 BNA_F
 ClientSampleId :
 S32-FILL01

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	5.6	5.5	8.3
122	9.0	9.7	14.5#

Manual Integrations
 APPROVED

mohammad
 11/17/2014 7:37:39 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.19 min Scan# 1496
 Delta R.T. -0.25 min
 Lab File: BF075554.D
 Acq: 15 Nov 2014 21:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.1	17.9	26.9
265	21.8	16.3	24.5

