

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
 Data File : BF085589.D
 Acq On : 19 Mar 2016 22:46
 Operator : UM/SJ
 Sample : H1790-02RE
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)RE

Manual Integrations
 APPROVED

apatel
 3/21/2016 5:09:31 PM

Quant Time: Mar 21 04:09:49 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	93106	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	367183	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	138365	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	229804	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	172679	20.00	ng	-0.01
86) Perylene-d12	15.43	264	179098	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1341990	242.10	ng	0.01
7) Phenol-d6	6.49	99	1915651	269.45	ng	0.00
23) Nitrobenzene-d5	7.42	82	1144298	180.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	404500	298.44	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1825825	-20.00	ng	0.00
78) Terphenyl-d14	12.96	244	1241361	172.99	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.61	163	399008	38.21	ng	Qvalue 99
70) Phenanthrene	11.40	178	30740	2.54	ng	97
74) Fluoranthene	12.59	202	73927	5.83	ng	92
77) Pyrene	12.81	202	69558	5.61	ng	98
80) Benzo(a)anthracene	14.00	228	51756	5.16	ng	# 82
82) Chrysene	14.04	228	46390m	4.81	ng	
85) Indeno(1,2,3-cd)pyrene	16.83	276	27813	3.45	ng	96
87) Benzo(b)fluoranthene	15.03	252	95642m	8.18	ng	
88) Benzo(k)fluoranthene	15.05	252	26397m	2.74	ng	
89) Benzo(a)pyrene	15.37	252	38644	3.90	ng	# 91
91) Benzo(g,h,i)perylene	17.25	276	22670	2.83	ng	98

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

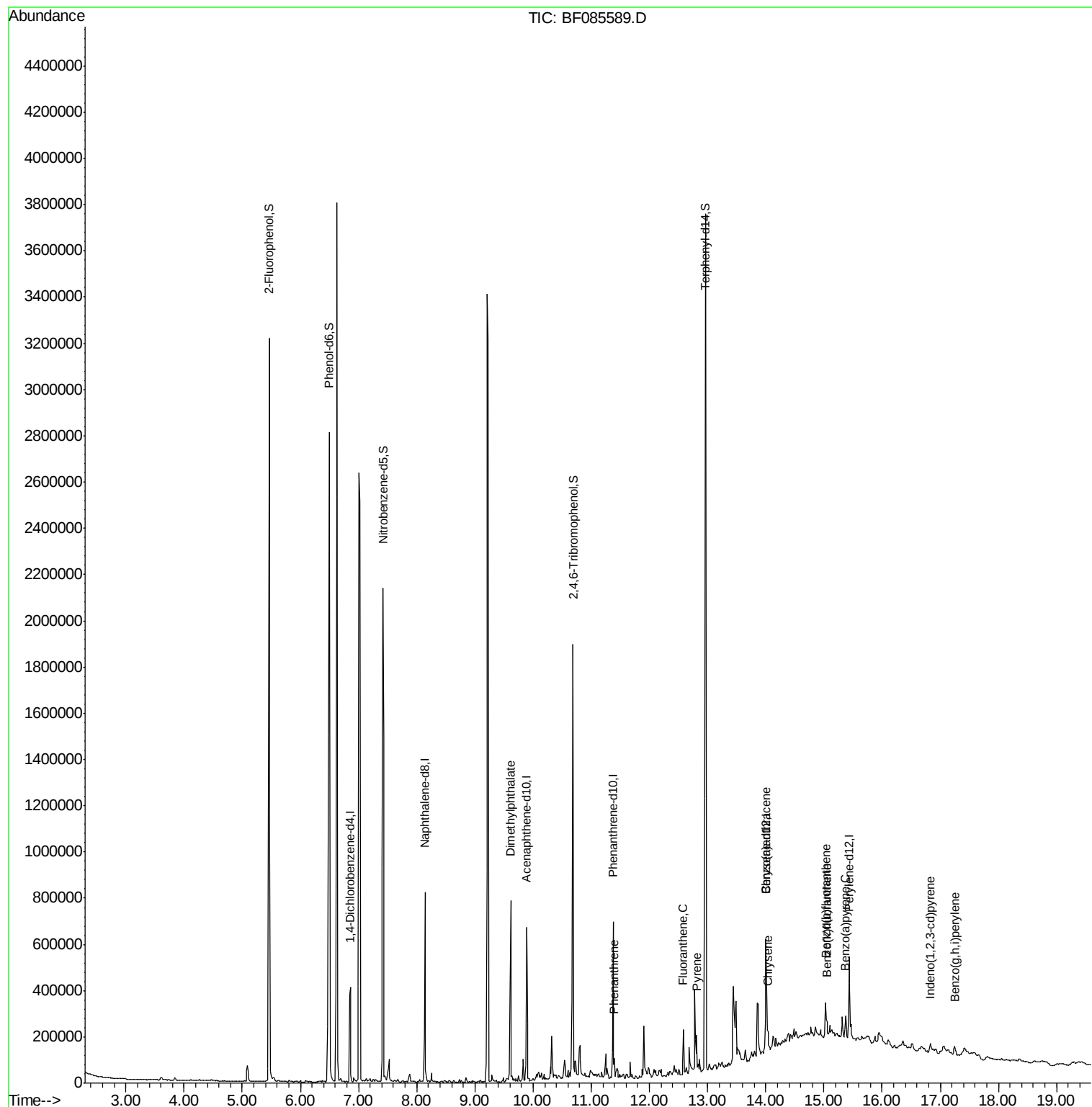
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085589.D
Acq On : 19 Mar 2016 22:46
Operator : UM/SJ
Sample : H1790-02RE
Misc :
ALS Vial : 50 Sample Multiplier: 1

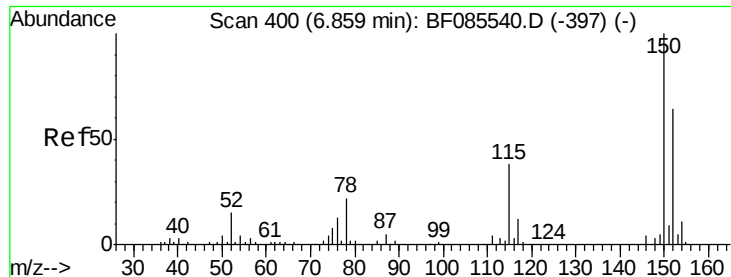
Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)RE

Manual Integrations
APPROVED

apatel
3/21/2016 5:09:31 PM

Quant Time: Mar 21 04:09:49 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 2016
Response via : Initial Calibration

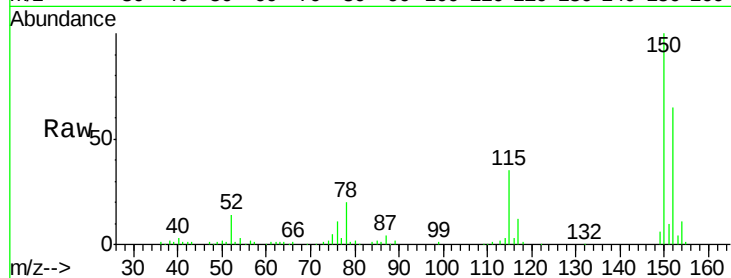




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 400
Delta R.T. 0.00 min
Lab File: BF085589.D
Acq: 19 Mar 2016 22:46

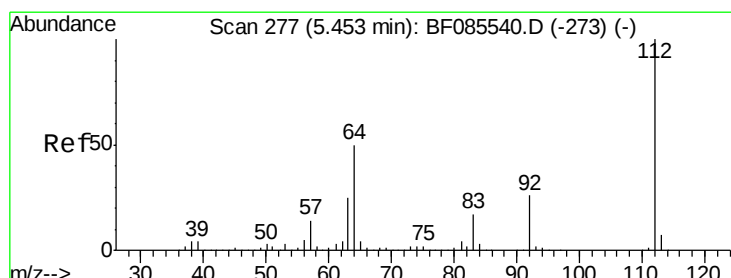
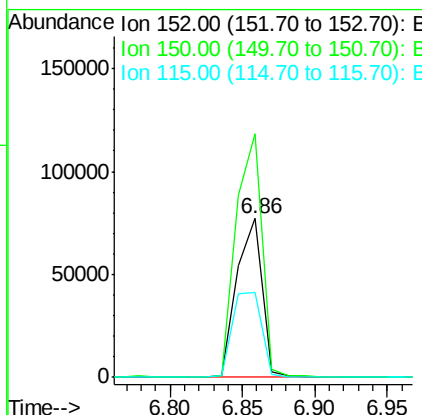
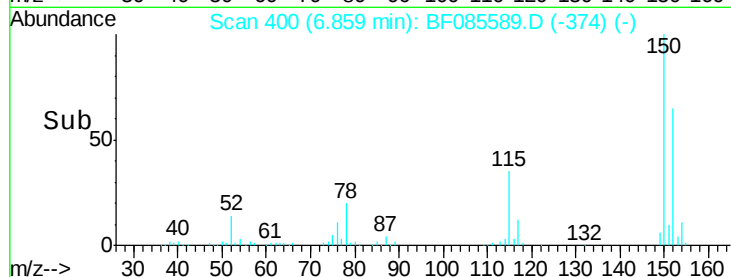
Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)RE



Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.2	186.2
115	53.2	47.0	70.6

Manual Integrations
APPROVED

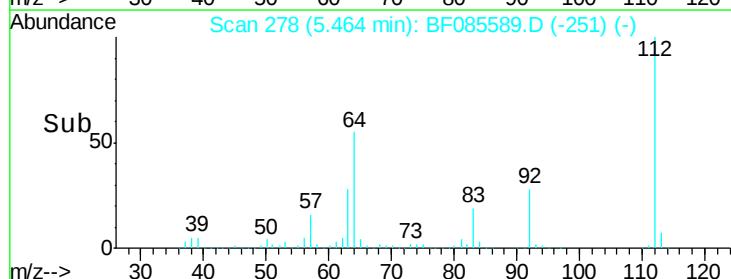
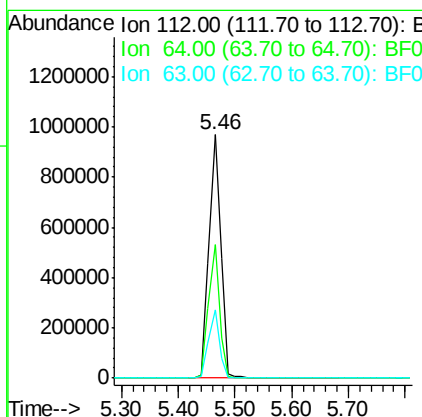
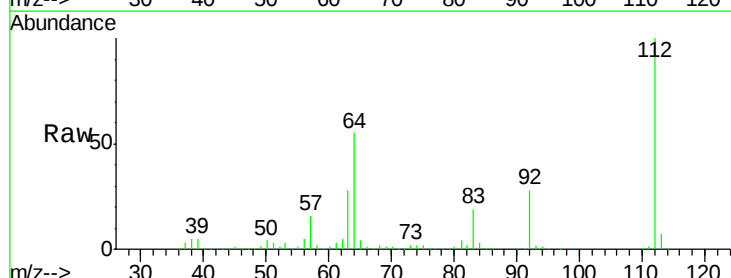
apatel
3/21/2016 5:09:31 PM



#5

2-Fluorophenol
Concen: 242.10 ng
RT: 5.46 min Scan# 278
Delta R.T. 0.01 min
Lab File: BF085589.D
Acq: 19 Mar 2016 22:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	39.9	59.9
63	28.1	20.2	30.2





#7

Phenol-d6

Concen: 269.45 ng

RT: 6.49 min Scan# 368

Delta R.T. 0.00 min

Lab File: BF085589.D

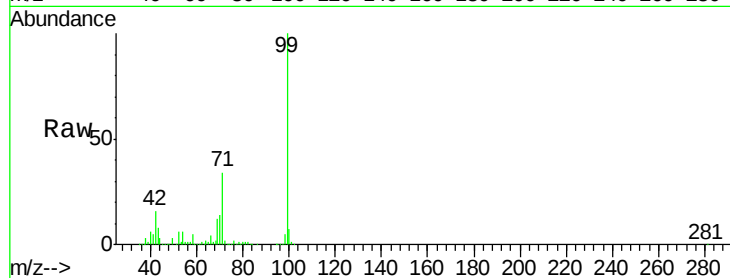
Acq: 19 Mar 2016 22:46

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)RE



Tgt Ion: 99 Resp: 1915651

Ion Ratio Lower Upper

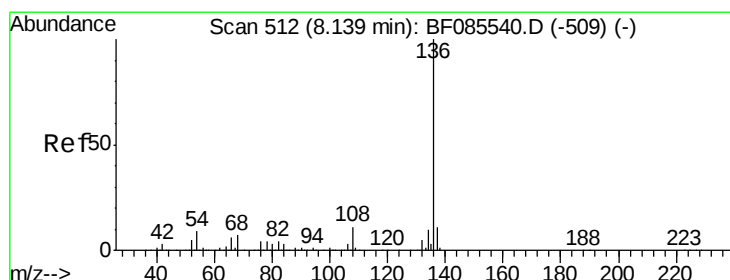
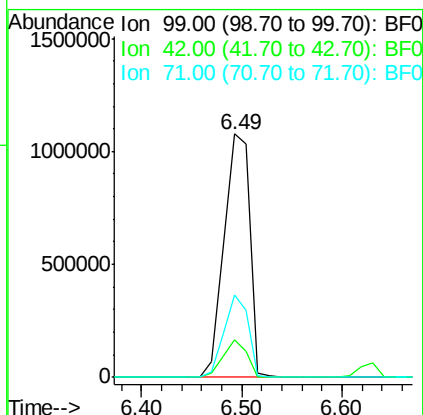
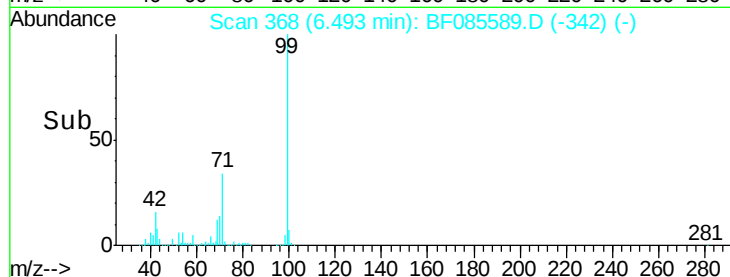
99 100

42 15.5 11.1 16.7

71 33.6 24.9 37.3

Manual Integrations
APPROVED

apatel
3/21/2016 5:09:31 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF085589.D

Acq: 19 Mar 2016 22:46

Tgt Ion: 136 Resp: 367183

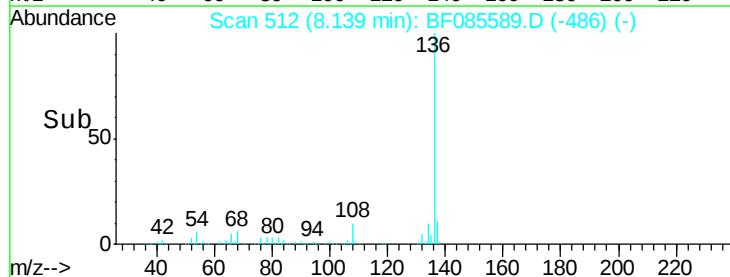
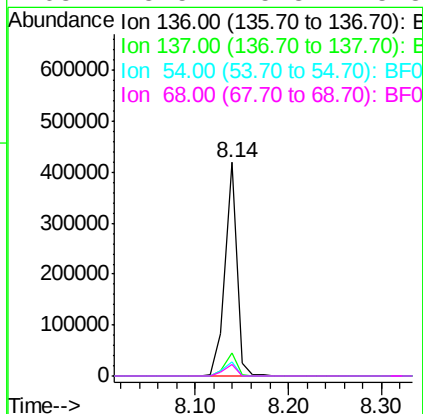
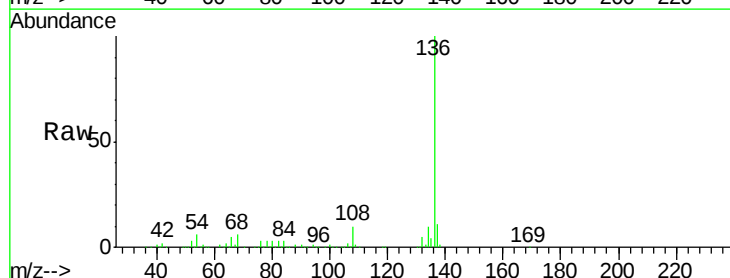
Ion Ratio Lower Upper

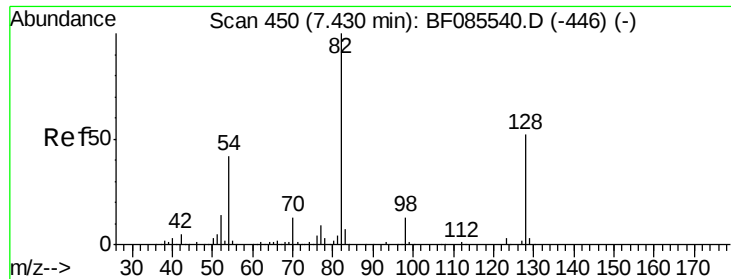
136 100

137 10.8 9.1 13.7

54 6.4 7.4 11.0#

68 5.5 5.8 8.8#





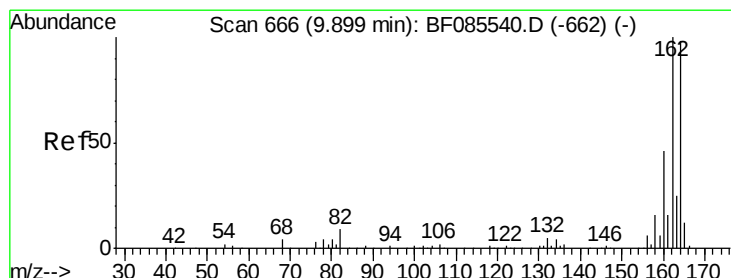
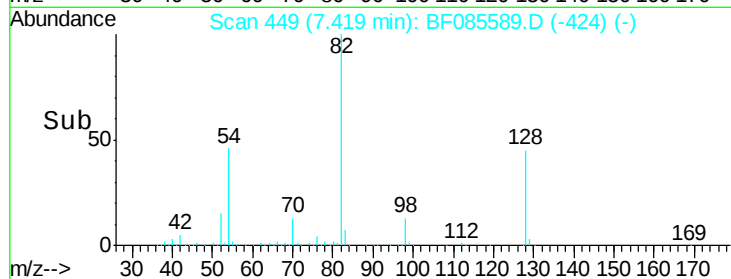
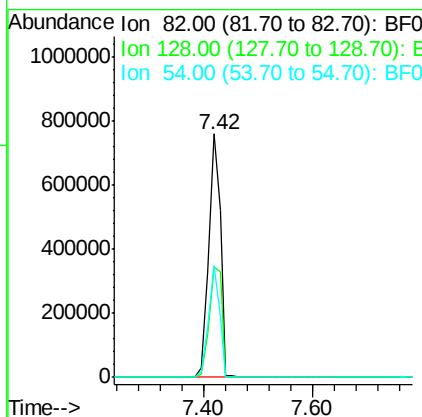
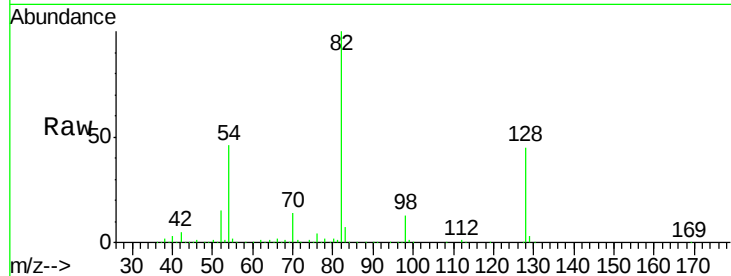
#23
 Nitrobenzene-d5
 Concen: 180.90 ng
 RT: 7.42 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: BF085589.D
 Acq: 19 Mar 2016 22:46

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)RE

Tgt Ion: 82 Resp: 1144298
 Ion Ratio Lower Upper
 82 100
 128 45.4 41.8 62.8
 54 46.1 33.4 50.0

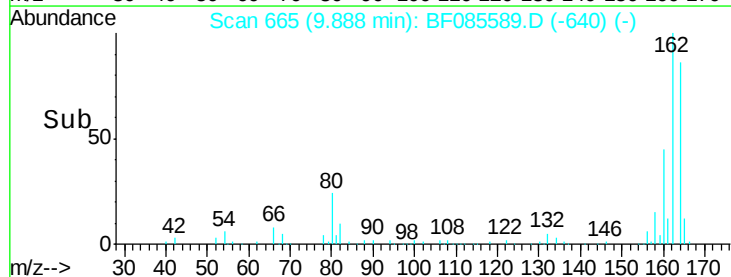
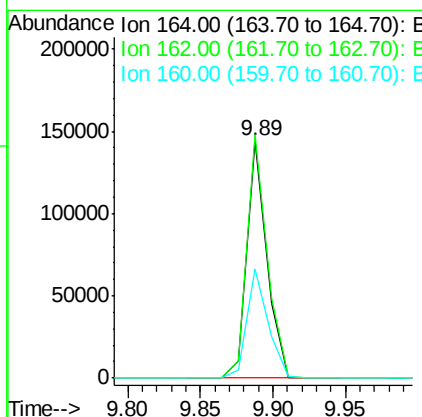
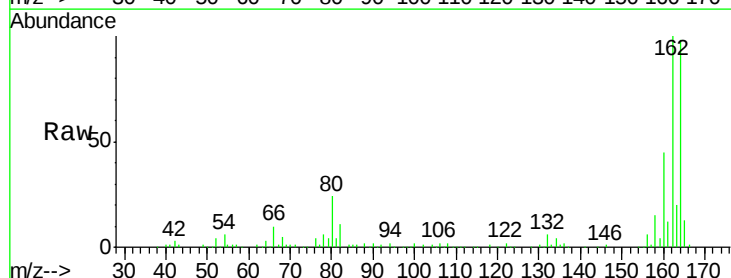
Manual Integrations
 APPROVED

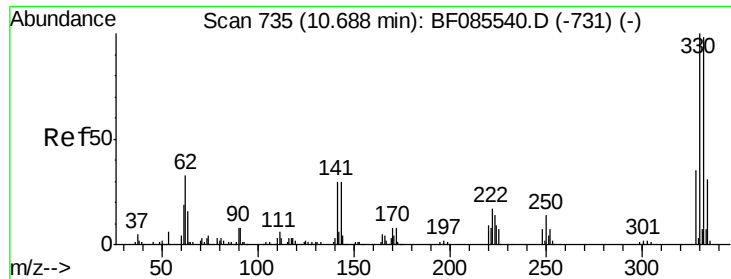
apatel
 3/21/2016 5:09:31 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: BF085589.D
 Acq: 19 Mar 2016 22:46

Tgt Ion: 164 Resp: 138365
 Ion Ratio Lower Upper
 164 100
 162 102.5 82.1 123.1
 160 45.8 37.4 56.2





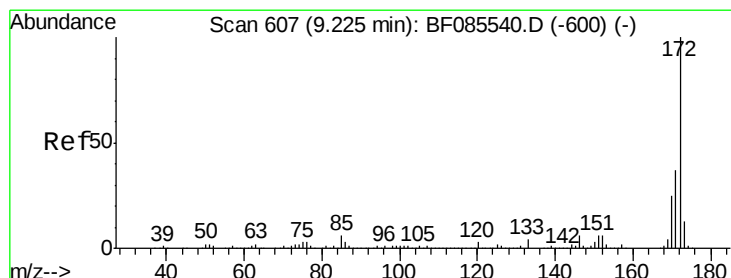
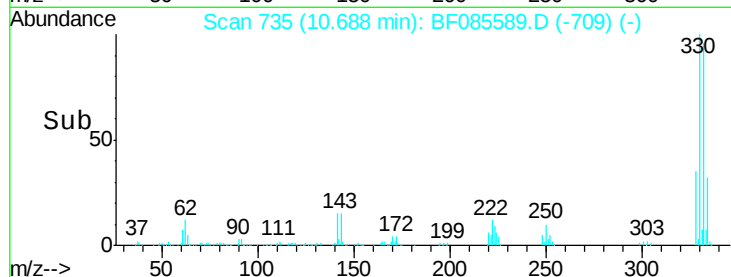
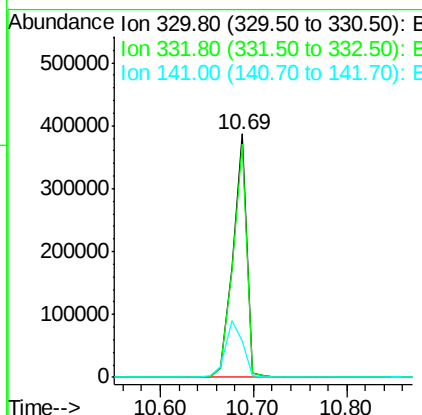
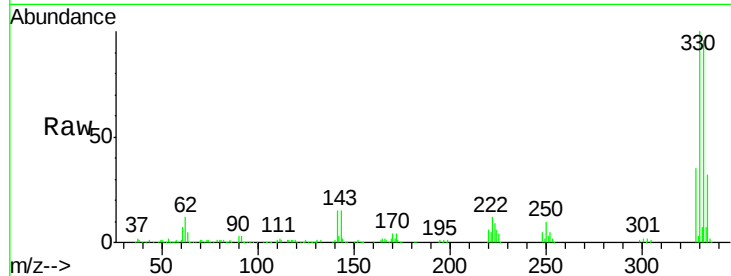
#41
 2,4,6-Tribromophenol
 Concen: 298.44 ng
 RT: 10.69 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: BF085589.D
 Acq: 19 Mar 2016 22:46

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)RE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	404500		
332	96.5	78.2	117.2	
141	29.7	31.5	47.3#	

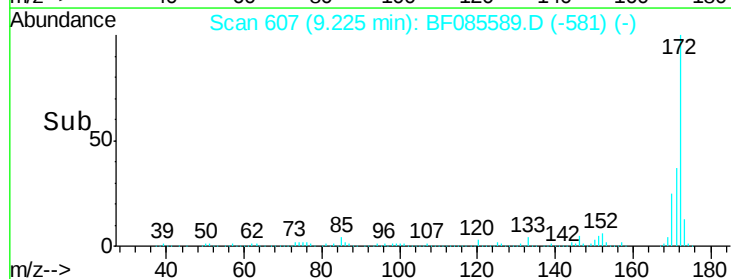
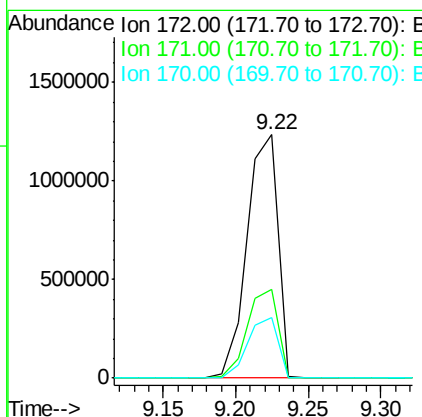
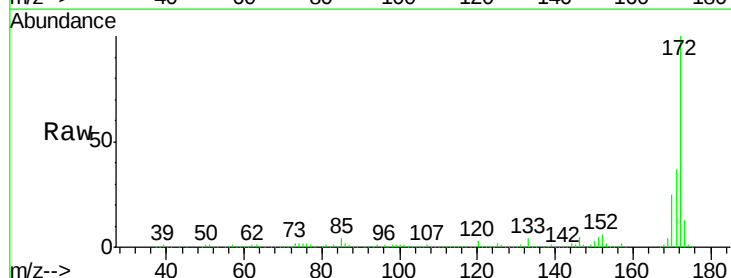
Manual Integrations
 APPROVED

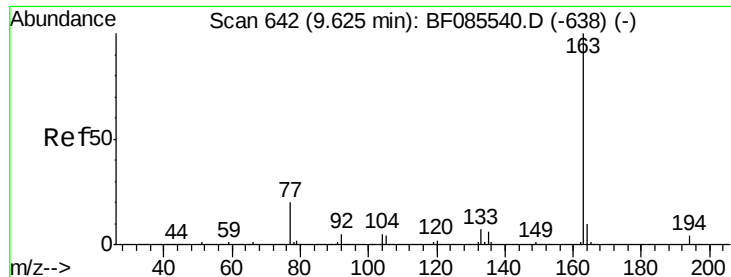
apatel
 3/21/2016 5:09:31 PM



#44
 2-Fluorobiphenyl
 Concen: -20.00 ng
 RT: 9.22 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: BF085589.D
 Acq: 19 Mar 2016 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1825825		
171	36.5	29.4	44.2	
170	24.6	19.8	29.6	





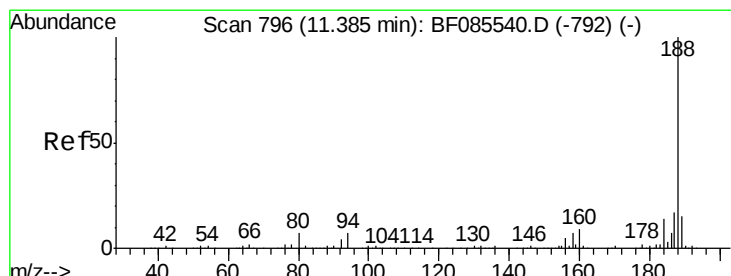
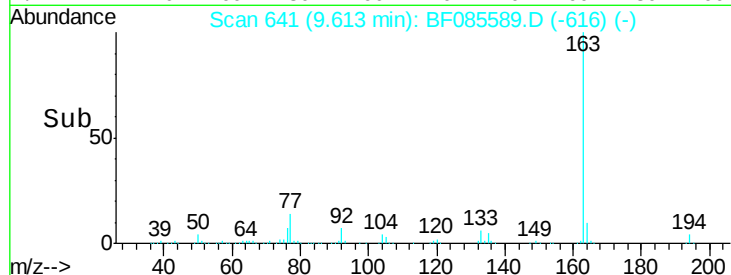
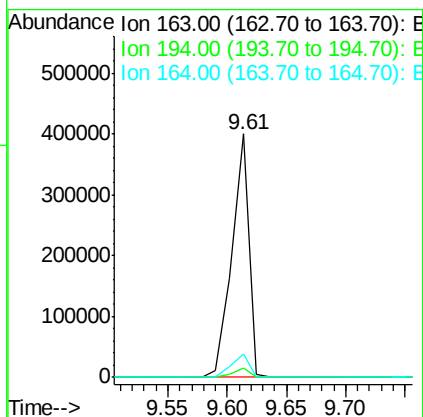
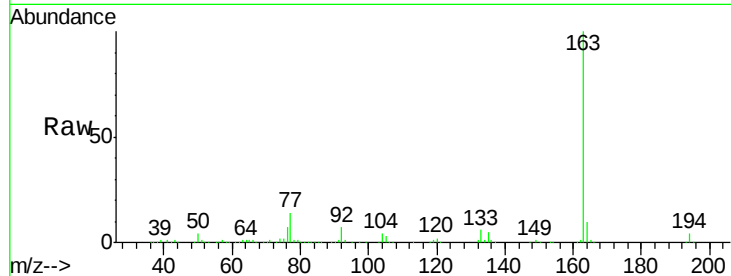
#49
Dimethylphthalate
Concen: 38.21 ng
RT: 9.61 min Scan# 641
Delta R.T. -0.01 min
Lab File: BF085589.D
Acq: 19 Mar 2016 22:46

Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)RE

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	399008		
194	3.8	2.9	4.3	
164	9.8	8.3	12.5	

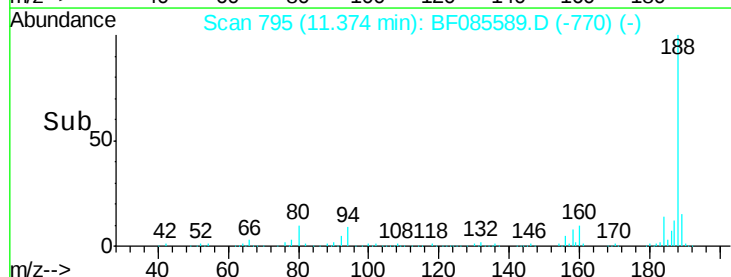
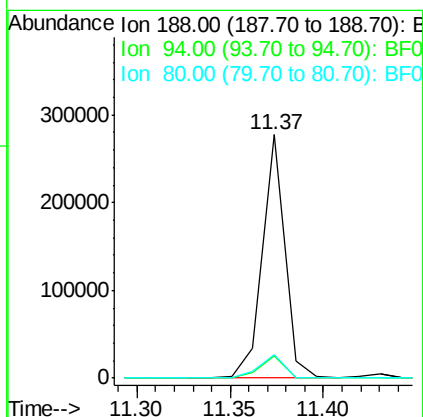
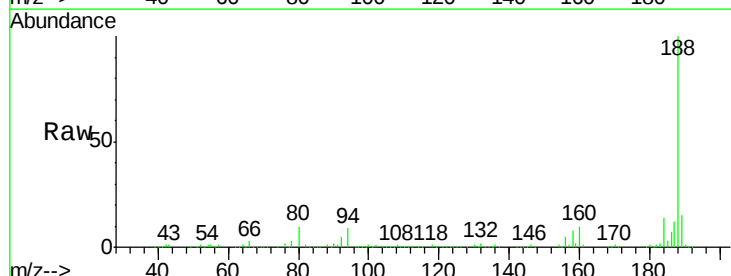
Manual Integrations
APPROVED

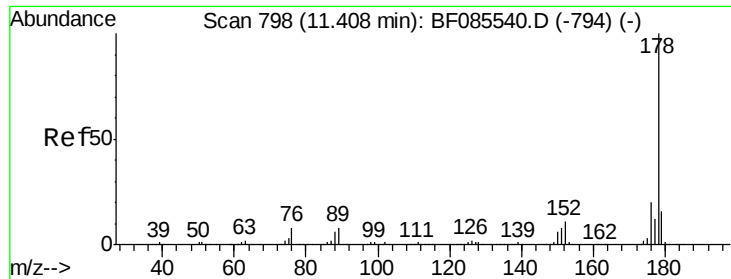
apatel
3/21/2016 5:09:31 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF085589.D
Acq: 19 Mar 2016 22:46

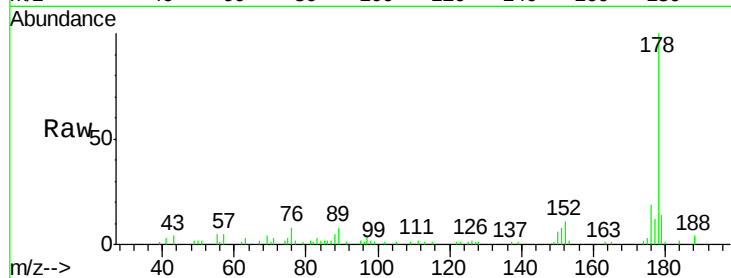
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	229804		
94	9.3	5.4	8.0#	
80	9.8	5.5	8.3#	





#70
Phenanthrene
Concen: 2.54 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF085589.D
Acq: 19 Mar 2016 22:46

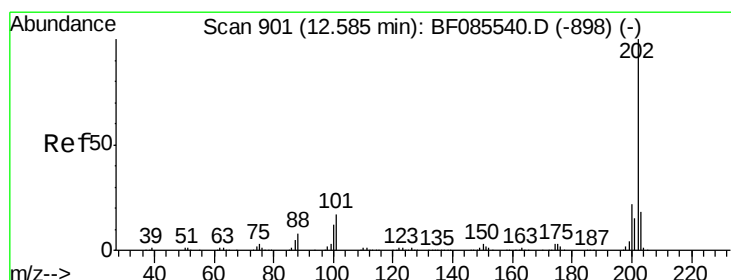
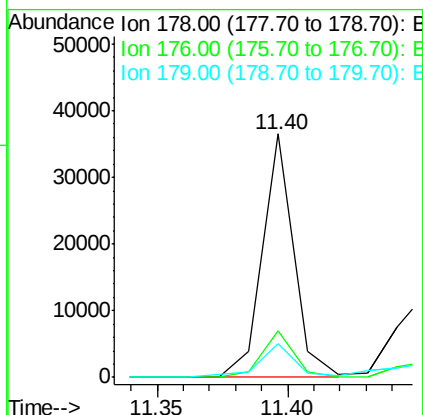
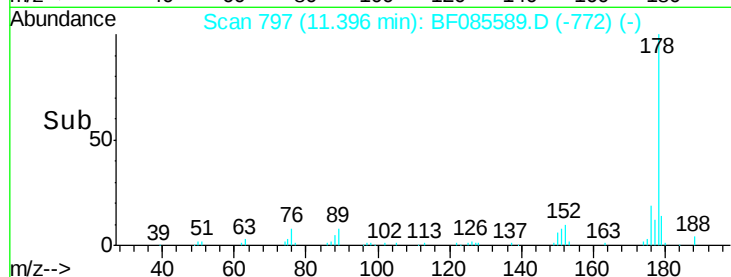
Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)RE



Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.3	24.5
179	14.0	12.6	18.8

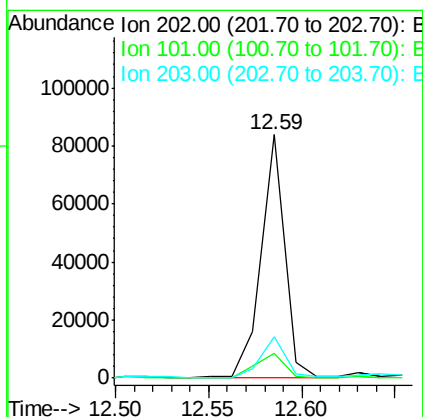
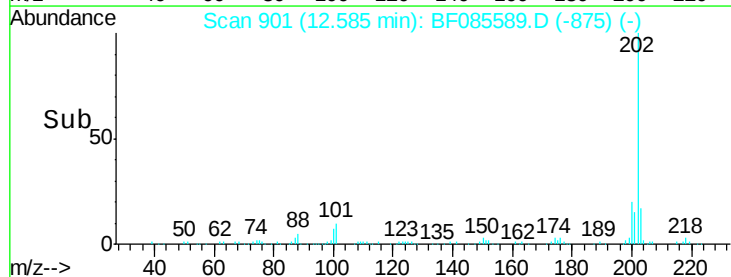
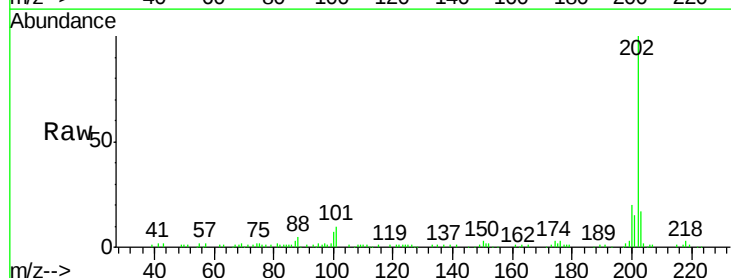
Manual Integrations
APPROVED

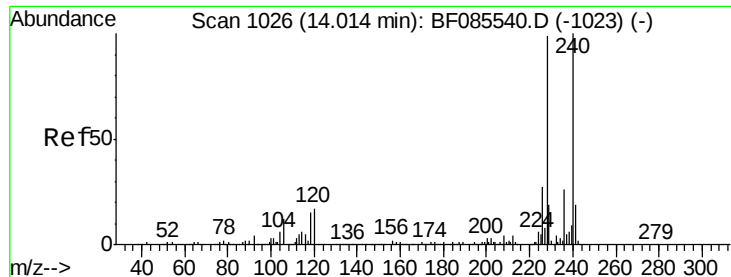
apatel
3/21/2016 5:09:31 PM



#74
Fluoranthene
Concen: 5.83 ng
RT: 12.59 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF085589.D
Acq: 19 Mar 2016 22:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	36.6
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085589.D

Acq: 19 Mar 2016 22:46

Instrument :

BNA_F

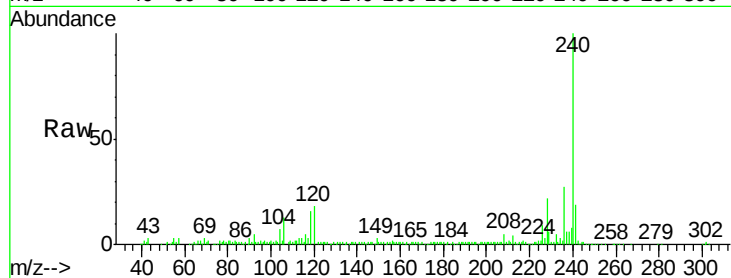
ClientSampleId :

GRID-8A-(0-10)RE

Tgt Ion:	240	Resp:	172679
Ion Ratio	Lower	Upper	
240	100		
120	18.2	13.8	20.8
236	26.7	20.6	30.8

Manual Integrations
APPROVED

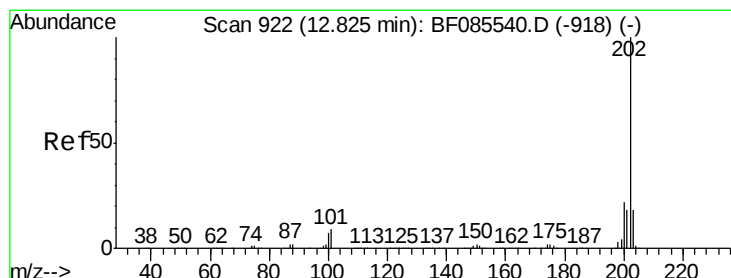
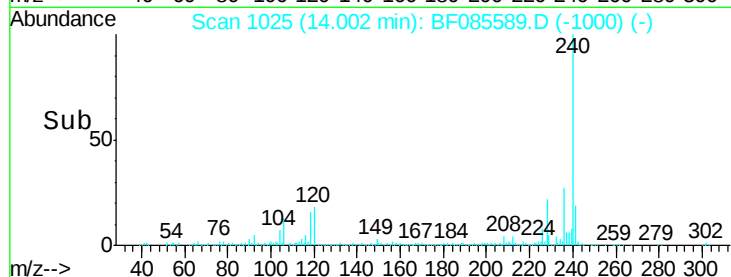
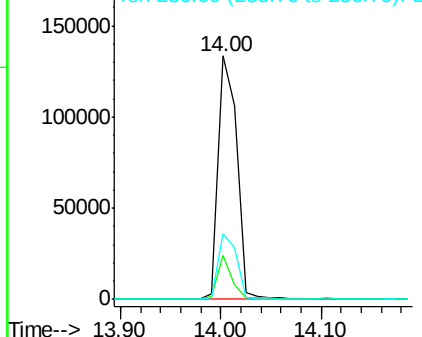
apatel
3/21/2016 5:09:31 PM



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



#77

Pyrene

Concen: 5.61 ng

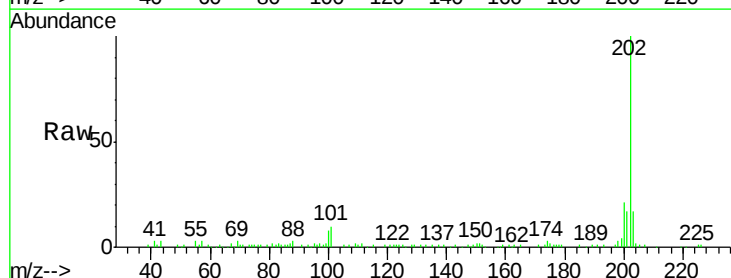
RT: 12.81 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF085589.D

Acq: 19 Mar 2016 22:46

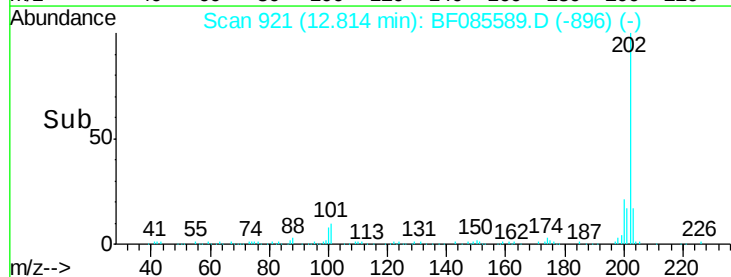
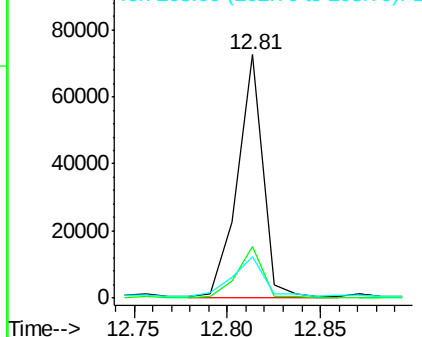
Tgt Ion:	202	Resp:	69558
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.6	26.4
203	17.2	14.0	21.0

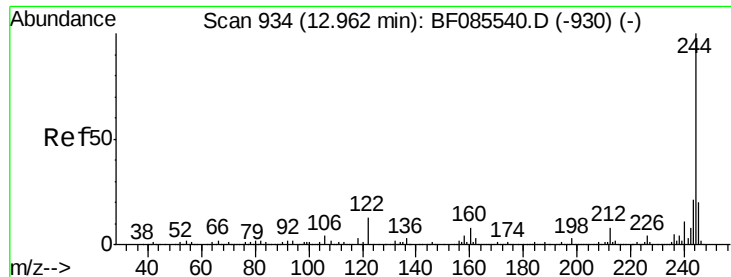


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





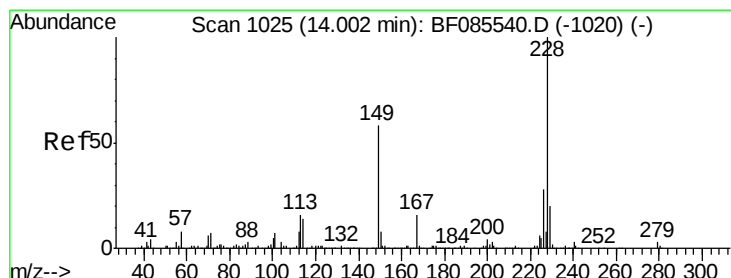
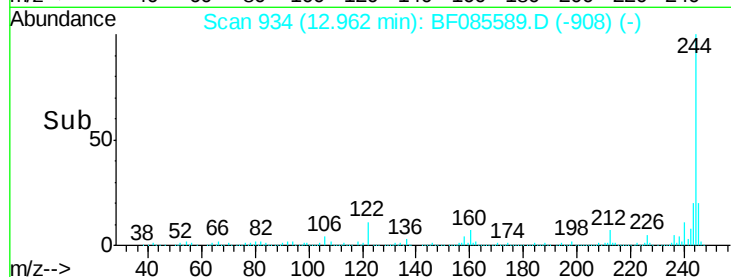
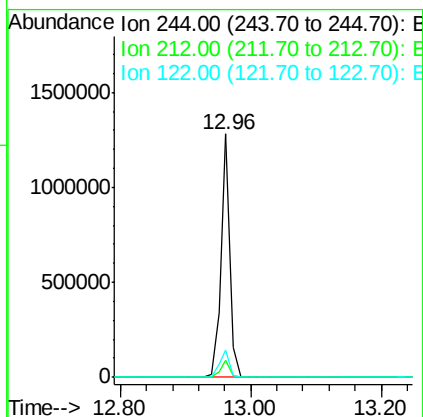
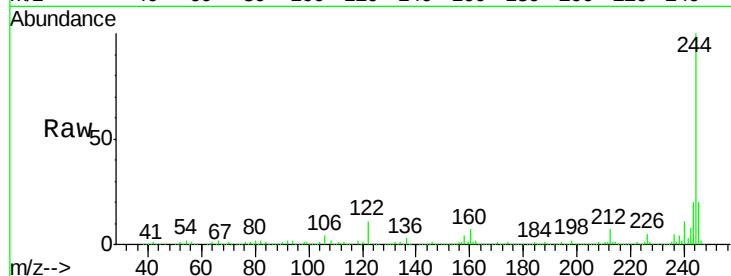
#78
 Terphenyl-d14
 Concen: 172.99 ng
 RT: 12.96 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: BF085589.D
 Acq: 19 Mar 2016 22:46

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)RE

Tgt Ion:244 Resp: 1241361
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 11.3 10.2 15.4

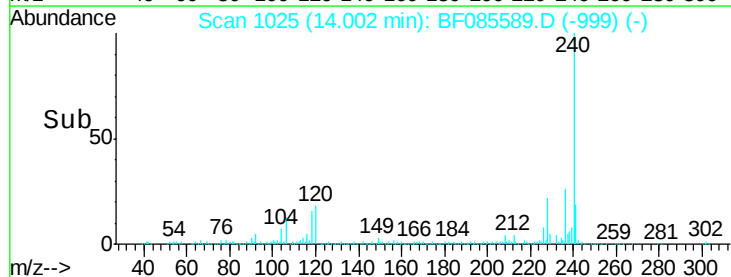
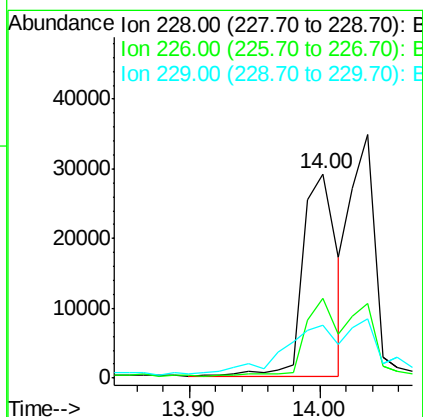
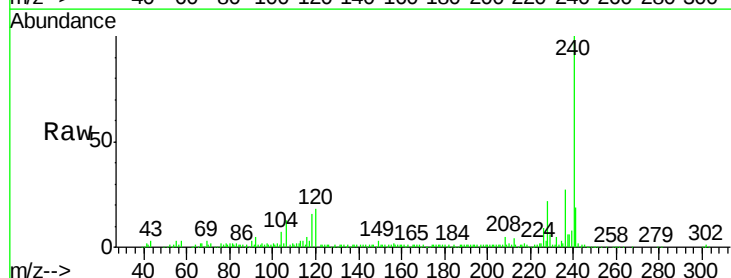
Manual Integrations
 APPROVED

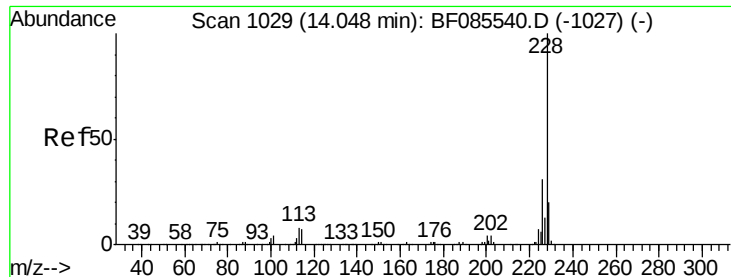
apatel
 3/21/2016 5:09:31 PM



#80
 Benzo(a)anthracene
 Concen: 5.16 ng
 RT: 14.00 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BF085589.D
 Acq: 19 Mar 2016 22:46

Tgt Ion:228 Resp: 51756
 Ion Ratio Lower Upper
 228 100
 226 39.3 22.1 33.1#
 229 25.6 16.2 24.4#





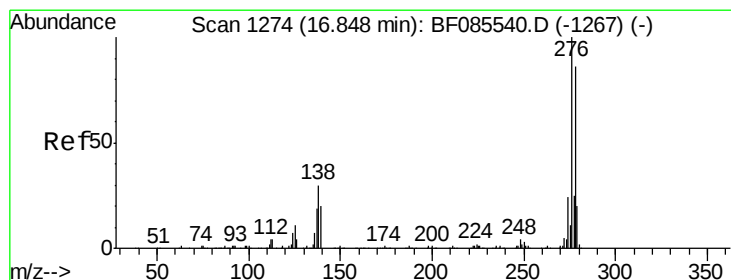
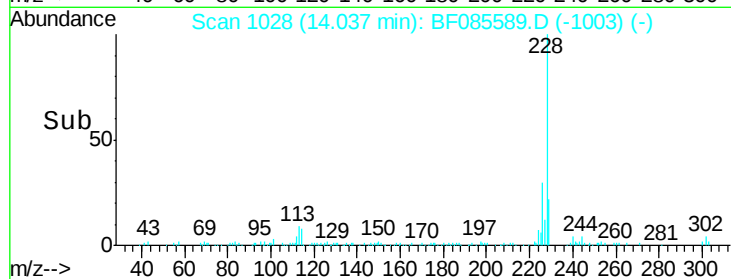
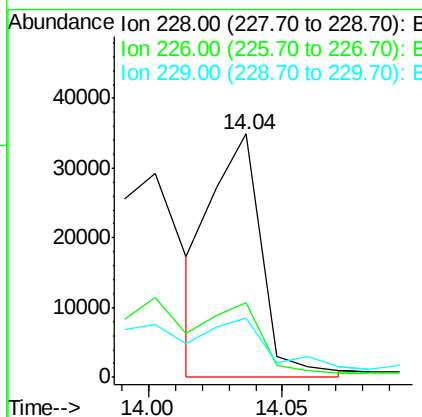
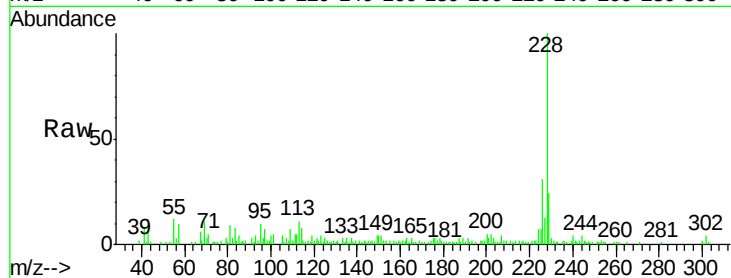
#82
Chrysene
Concen: 4.81 ng m
RT: 14.04 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF085589.D
Acq: 19 Mar 2016 22:46

Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)RE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	24.2	15.7	23.5

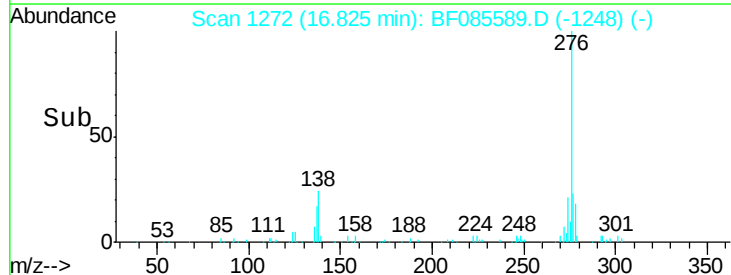
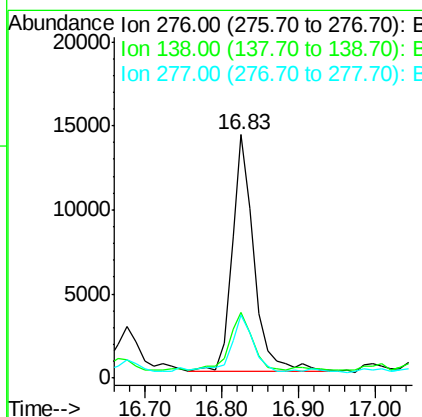
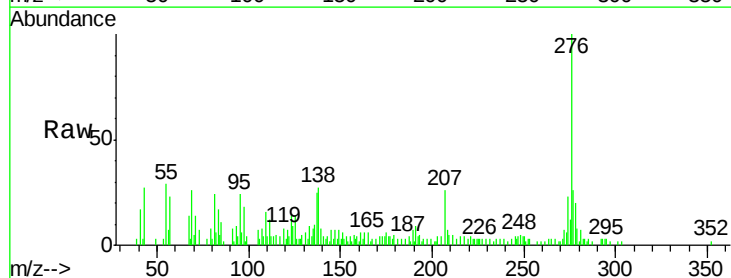
Manual Integrations
APPROVED

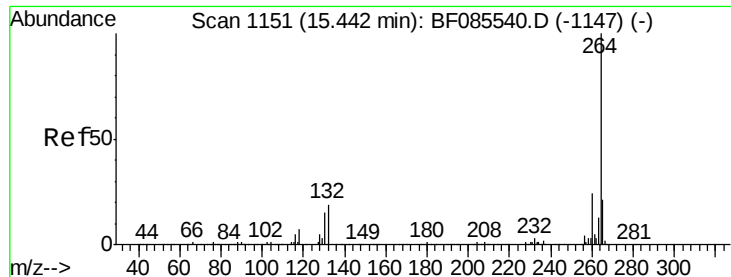
apatel
3/21/2016 5:09:31 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.45 ng
RT: 16.83 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF085589.D
Acq: 19 Mar 2016 22:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.1	24.2	36.4
277	25.0	20.0	30.0





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.43 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF085589.D

Acq: 19 Mar 2016 22:46

Instrument :

BNA_F

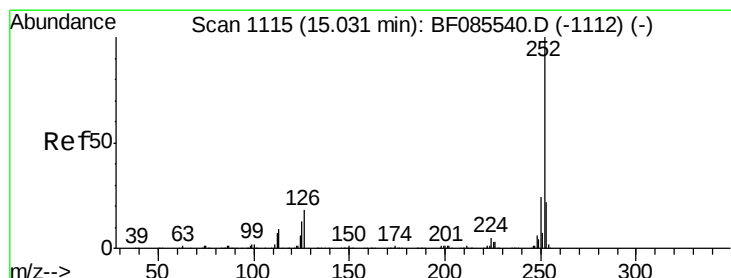
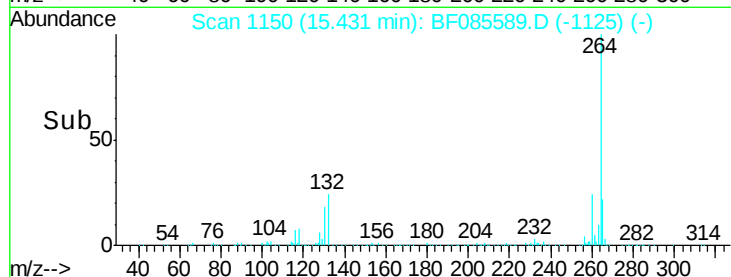
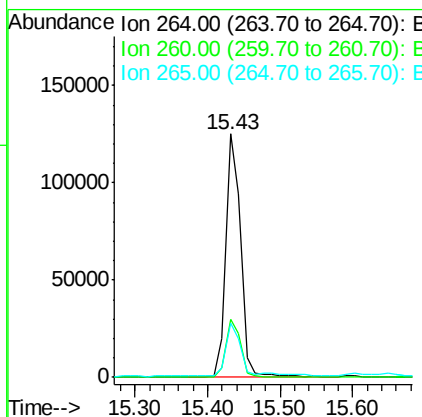
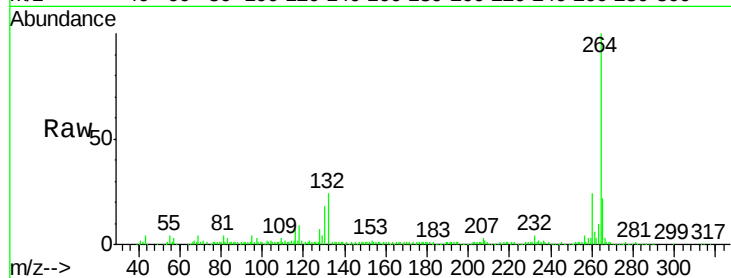
ClientSampleId :

GRID-8A-(0-10)RE

Tgt Ion:	264	Resp:	179098
Ion Ratio		Lower	Upper
264	100		
260	24.0	19.4	29.2
265	22.0	17.2	25.8

Manual Integrations
APPROVED

apatel
3/21/2016 5:09:31 PM



#87

Benzo(b)fluoranthene

Concen: 8.18 ng m

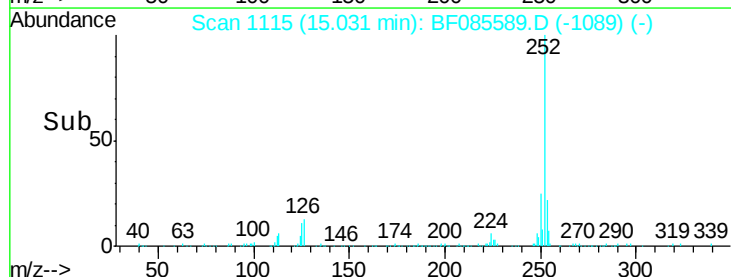
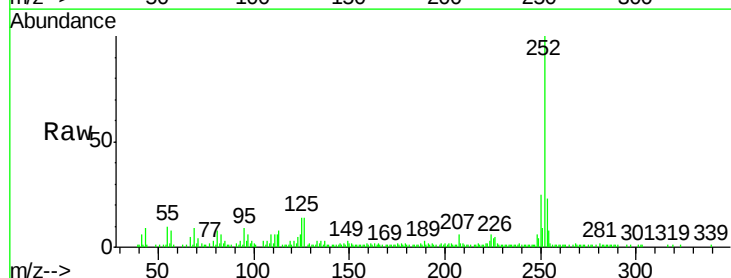
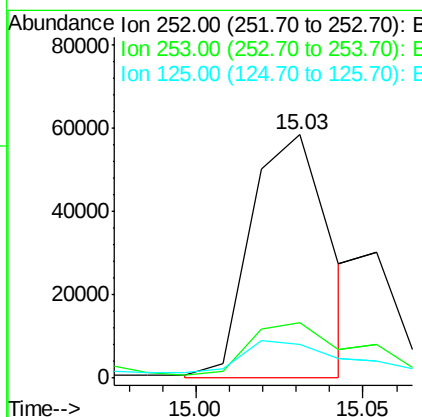
RT: 15.03 min Scan# 1115

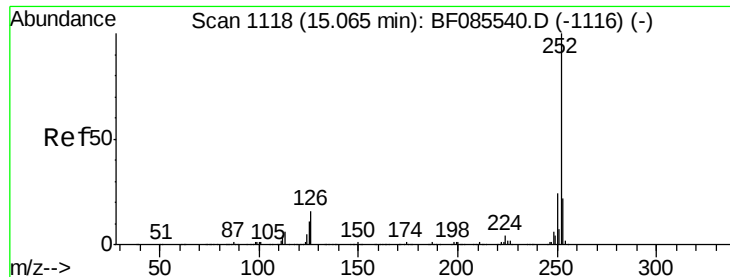
Delta R.T. 0.00 min

Lab File: BF085589.D

Acq: 19 Mar 2016 22:46

Tgt Ion:	252	Resp:	95642
Ion Ratio		Lower	Upper
252	100		
253	22.9	17.6	26.4
125	14.1	10.3	15.5





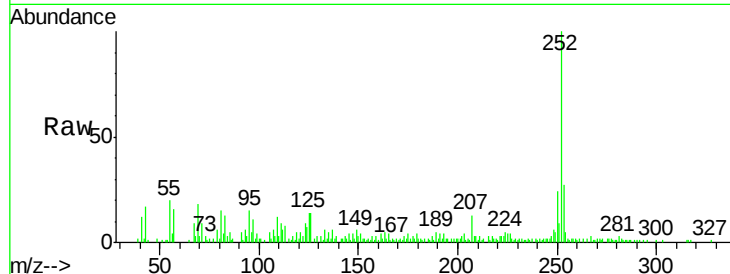
#88
Benzo(k)fluoranthene
Concen: 2.74 ng m
RT: 15.05 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BF085589.D
Acq: 19 Mar 2016 22:46

Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)RE

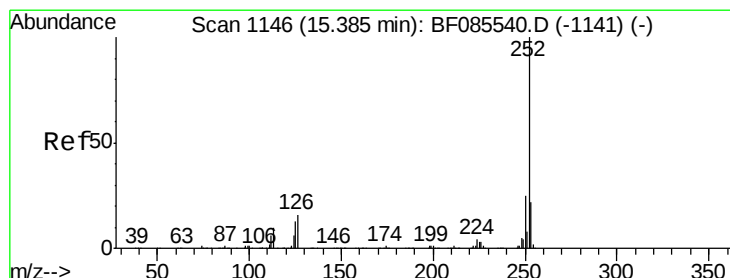
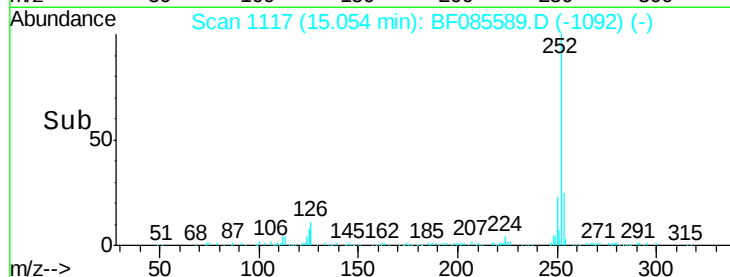
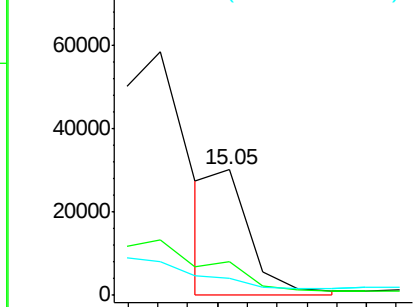
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.8	26.6#
125	14.0	7.7	11.5#

Manual Integrations
APPROVED

apatel
3/21/2016 5:09:31 PM

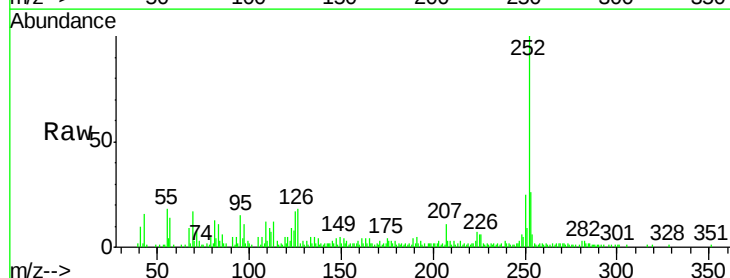


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

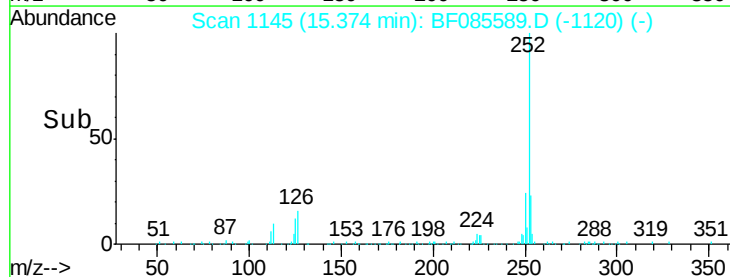
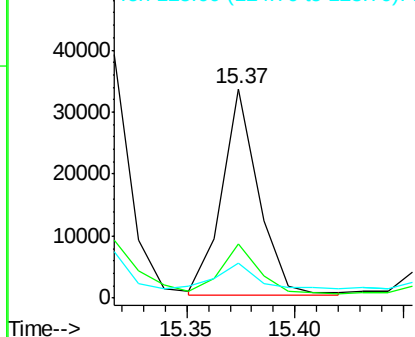


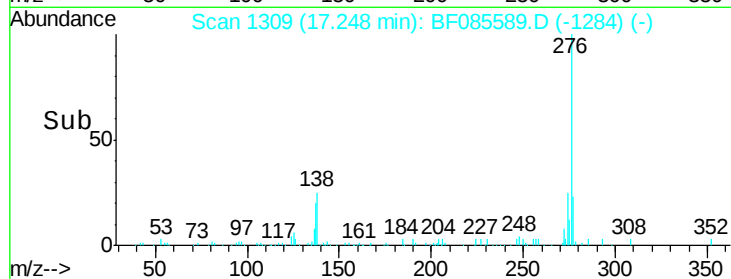
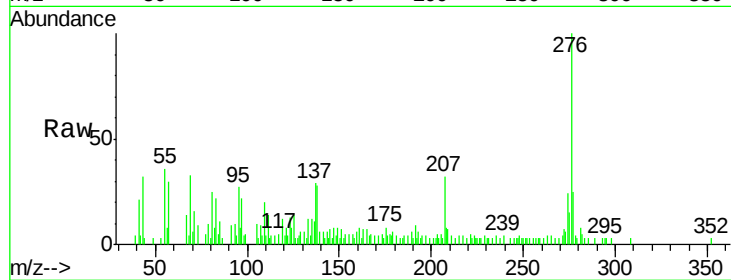
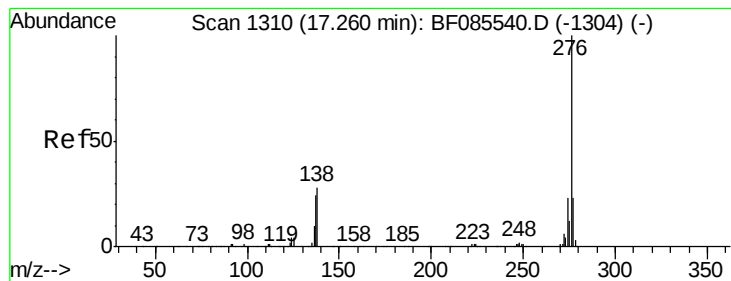
#89
Benzo(a)pyrene
Concen: 3.90 ng
RT: 15.37 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF085589.D
Acq: 19 Mar 2016 22:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.4	26.0
125	16.8	10.3	15.5#



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: 2.83 ng

RT: 17.25 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF085589.D

Acq: 19 Mar 2016 22:46

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)RE

Tgt Ion: 276 Resp: 22670

Ion Ratio Lower Upper

276 100

277 24.9 18.8 28.2

138 27.8 22.6 34.0

Manual Integrations
APPROVED

apatel
3/21/2016 5:09:31 PM

