

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
 Data File : BF085422.D
 Acq On : 14 Mar 2016 12:04
 Operator : UM/SJ
 Sample : H1721-08DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 WASTEDL

Manual Integrations
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 3/15/2016 2:09:02 PM

Quant Time: Mar 15 07:10:15 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	153754	20.00	ng	-0.06
21) Naphthalene-d8	8.21	136	647713	20.00	ng	-0.06
38) Acenaphthene-d10	9.97	164	310333	20.00	ng	-0.06
63) Phenanthrene-d10	11.45	188	582145	20.00	ng	-0.06
75) Chrysene-d12	14.09	240	326600	20.00	ng	-0.06
86) Perylene-d12	15.55	264	262654	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	723374	78.92	ng	-0.06
7) Phenol-d6	6.55	99	1055021	87.85	ng	-0.06
23) Nitrobenzene-d5	7.49	82	657784	54.34	ng	-0.06
41) 2,4,6-Tribromophenol	10.76	330	212383	79.98	ng	-0.06
44) 2-Fluorobiphenyl	9.28	172	888522	43.54	ng	-0.07
78) Terphenyl-d14	13.03	244	715876	50.88	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	9.68	163	212225	8.91	ng	98
54) Dibenzofuran	10.16	168	51146	2.04	ng	# 93
57) Fluorene	10.50	166	85248	4.34	ng	99
70) Phenanthrene	11.48	178	1163652	38.14	ng	100
71) Anthracene	11.52	178	305301	9.43	ng	99
72) Carbazole	11.68	167	69477	2.45	ng	97
74) Fluoranthene	12.66	202	1386354	45.28	ng	97
77) Pyrene	12.89	202	1153010	46.90	ng	100
80) Benzo(a)anthracene	14.08	228	510178	26.09	ng	99
82) Chrysene	14.12	228	411178m	22.77	ng	
85) Indeno(1,2,3-cd)pyrene	16.99	276	176631	12.53	ng	91
87) Benzo(b)fluoranthene	15.12	252	363305m	20.75	ng	
88) Benzo(k)fluoranthene	15.15	252	140234m	9.93	ng	
89) Benzo(a)pyrene	15.48	252	269566	18.58	ng	# 95
90) Dibenzo(a,h)anthracene	17.00	278	47327	3.82	ng	95
91) Benzo(g,h,i)perylene	17.42	276	159082	12.78	ng	96

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

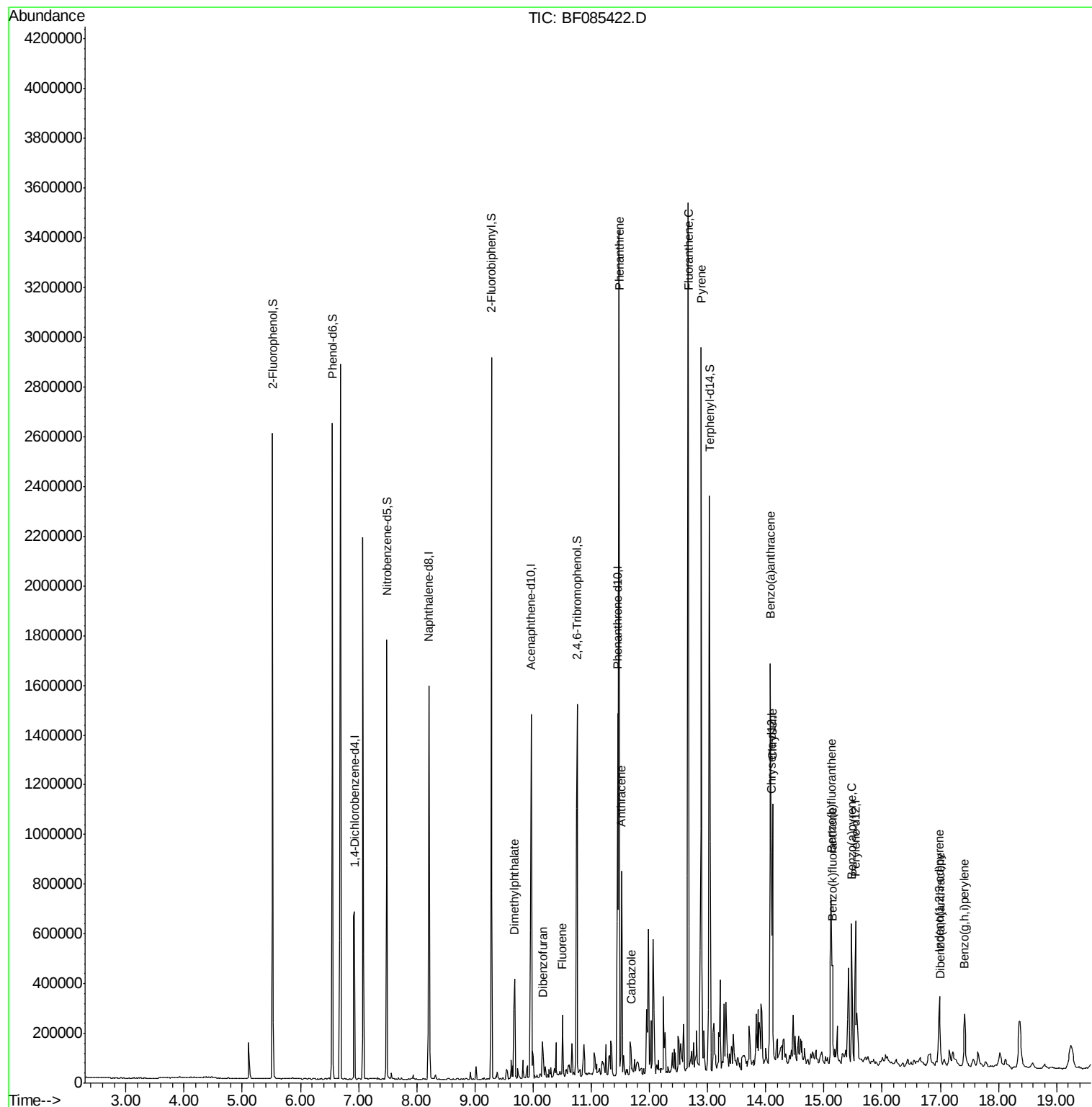
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
Data File : BF085422.D
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ALS Vial : 4 Sample Multiplier: 1

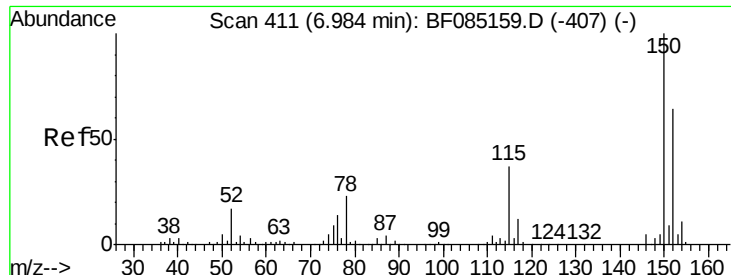
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
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#1

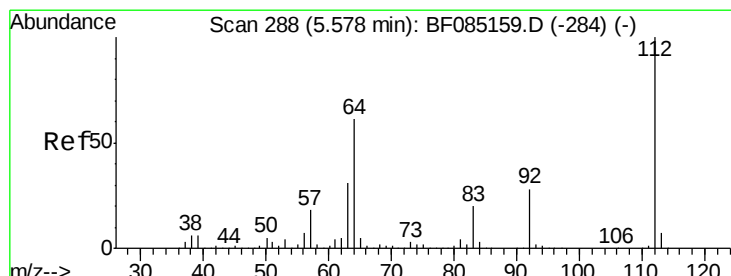
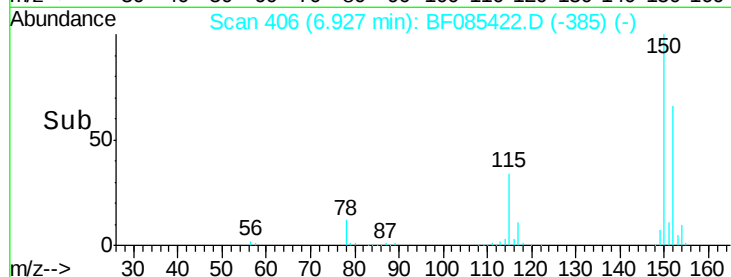
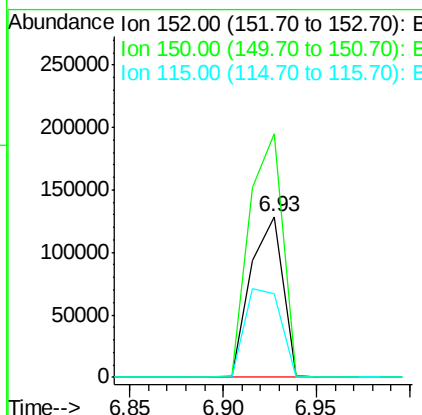
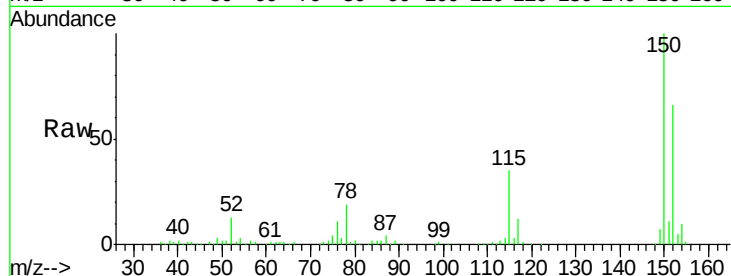
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 406
Delta R.T. -0.06 min
Lab File: BF085422.D
Acq: 14 Mar 2016 12:04

Instrument :
BNA_F
ClientSampleId :
WASTEDL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	153754		
150	151.2	124.6	186.8	
115	52.2	46.6	70.0	

Manual Integrations
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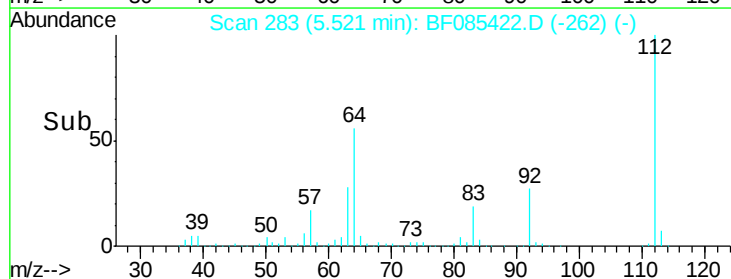
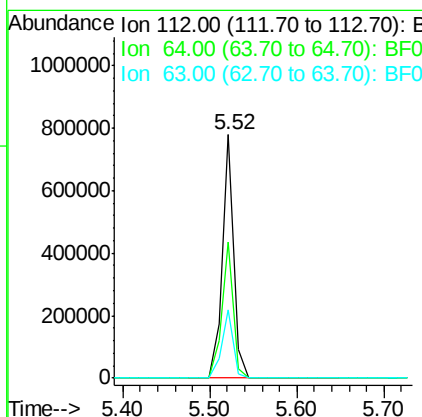
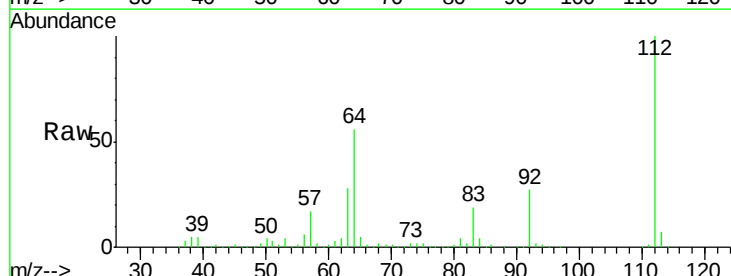
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#5

2-Fluorophenol
Concen: 78.92 ng
RT: 5.52 min Scan# 283
Delta R.T. -0.06 min
Lab File: BF085422.D
Acq: 14 Mar 2016 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	723374		
64	56.0	49.0	73.4	
63	28.1	24.8	37.2	





#7

Phenol-d6

Concen: 87.85 ng

RT: 6.55 min Scan# 373

Delta R.T. -0.06 min

Lab File: BF085422.D

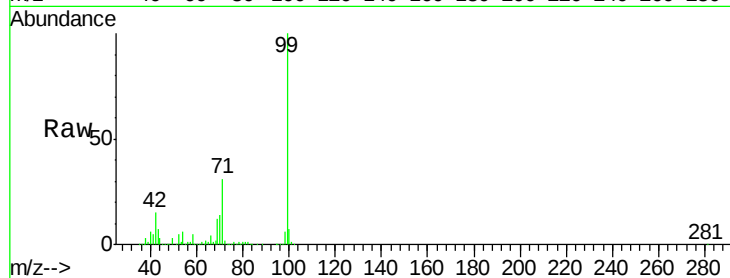
Acq: 14 Mar 2016 12:04

Instrument :

BNA_F

ClientSampleId :

WASTEDL



Tgt Ion: 99 Resp: 1055021

Ion Ratio Lower Upper

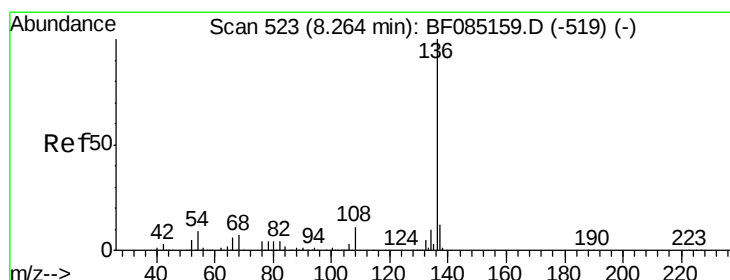
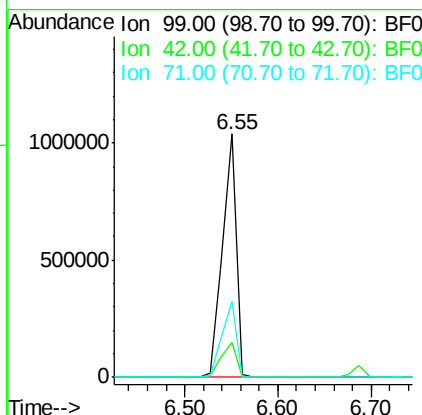
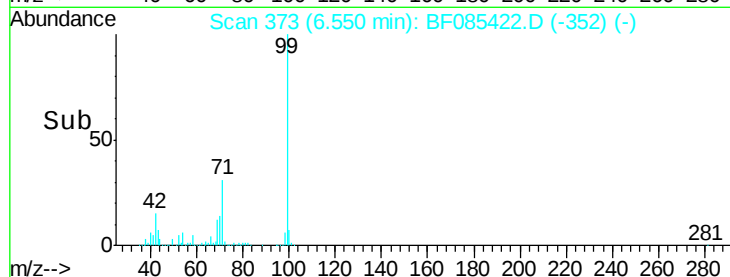
99 100

42 14.5 13.6 20.4

71 31.4 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.21 min Scan# 518

Delta R.T. -0.06 min

Lab File: BF085422.D

Acq: 14 Mar 2016 12:04

Tgt Ion: 136 Resp: 647713

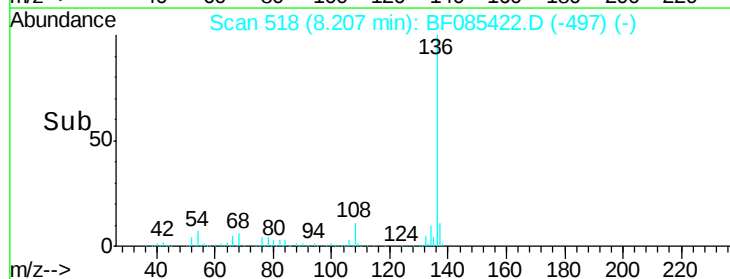
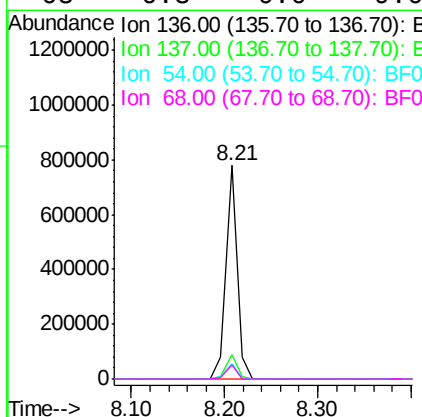
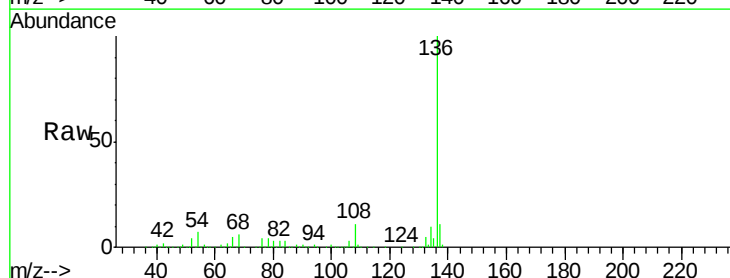
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 7.3 7.4 11.2#

68 6.3 6.0 9.0





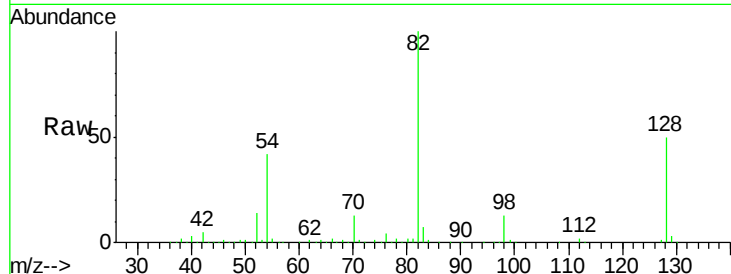
#23
 Nitrobenzene-d5
 Concen: 54.34 ng
 RT: 7.49 min Scan# 455
 Delta R.T. -0.06 min
 Lab File: BF085422.D
 Acq: 14 Mar 2016 12:04

Instrument :
 BNA_F
 ClientSampleId :
 WASTEDL

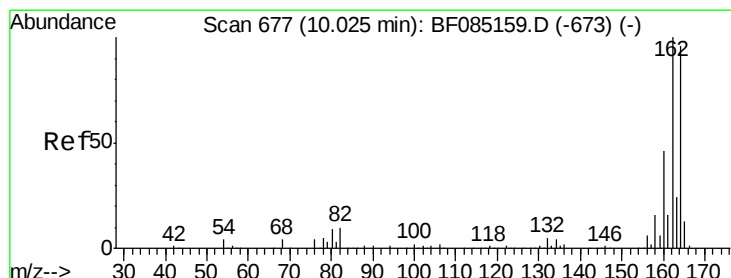
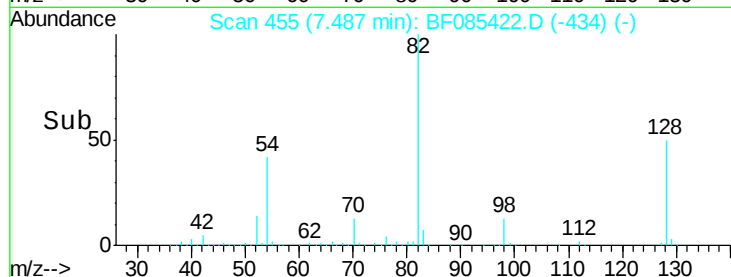
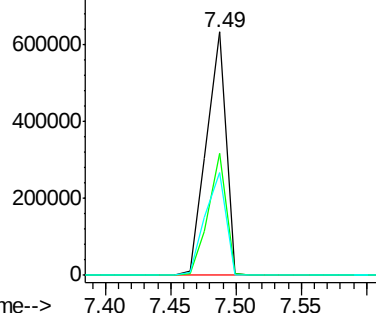
Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.9	34.5	51.7
54	42.1	39.3	58.9

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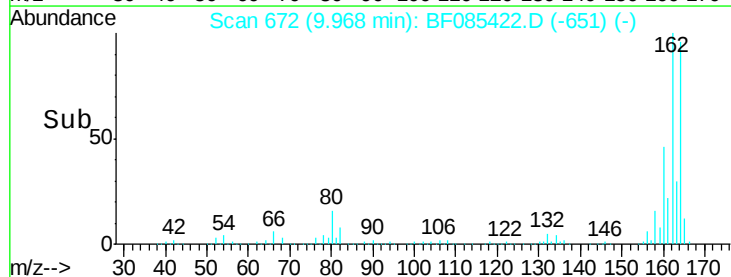
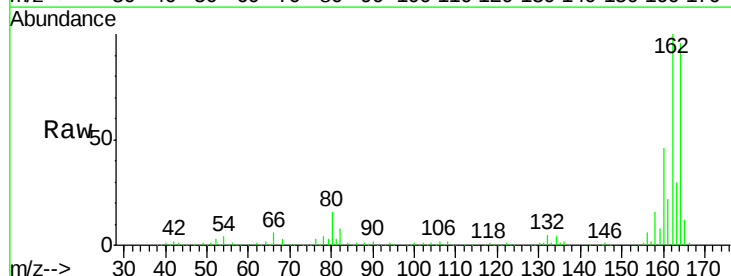
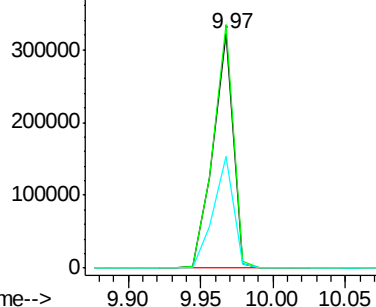
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.97 min Scan# 672
 Delta R.T. -0.06 min
 Lab File: BF085422.D
 Acq: 14 Mar 2016 12:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.3	124.9
160	47.5	37.9	56.9

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





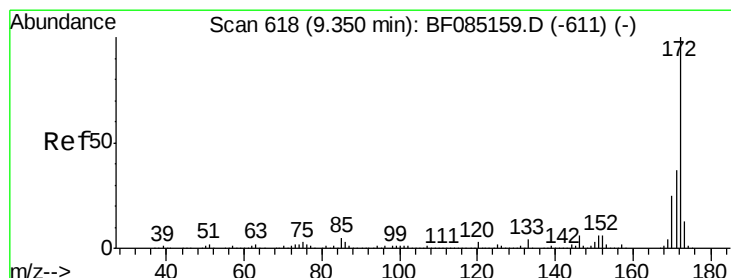
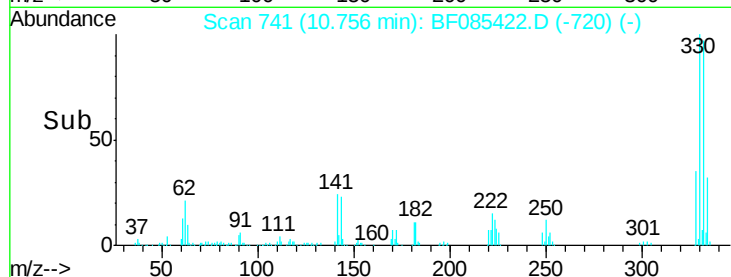
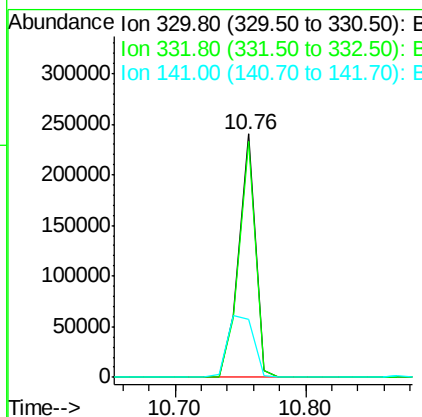
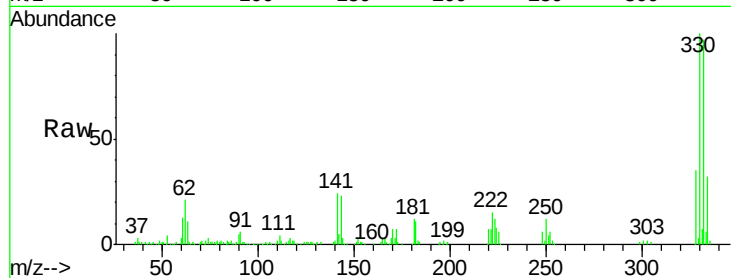
#41
 2,4,6-Tribromophenol
 Concen: 79.98 ng
 RT: 10.76 min Scan# 741
 Delta R.T. -0.06 min
 Lab File: BF085422.D
 Acq: 14 Mar 2016 12:04

Instrument :
 BNA_F
 ClientSampleId :
 WASTEDL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	212383		
332	96.6	77.1	115.7	
141	40.3	35.0	52.6	

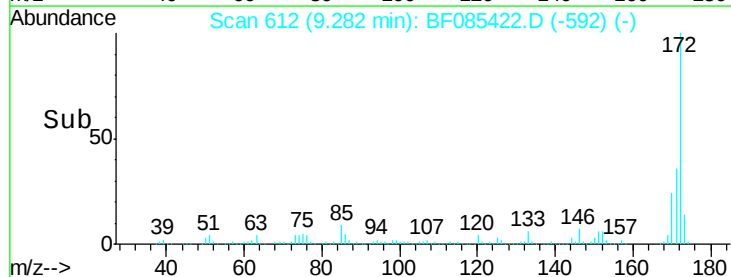
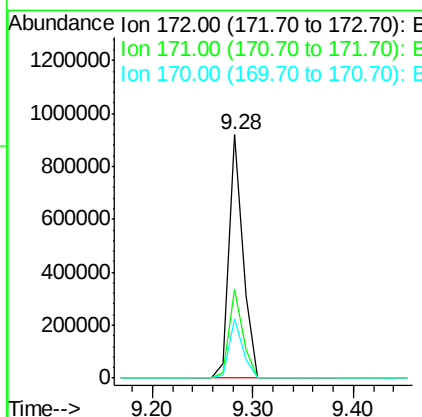
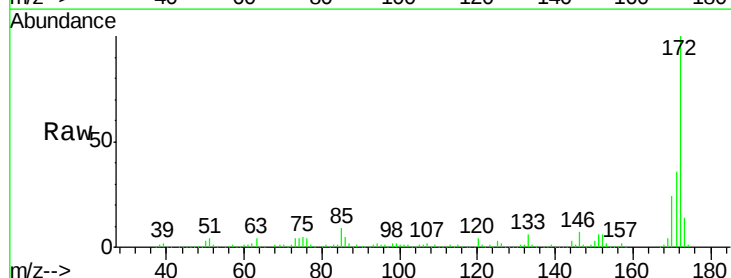
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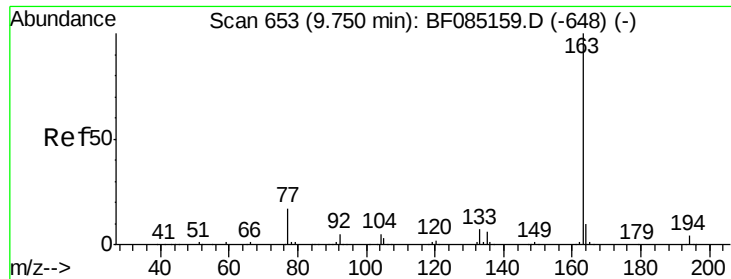
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#44
 2-Fluorobiphenyl
 Concen: 43.54 ng
 RT: 9.28 min Scan# 612
 Delta R.T. -0.07 min
 Lab File: BF085422.D
 Acq: 14 Mar 2016 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	888522		
171	36.4	29.3	43.9	
170	24.2	20.0	30.0	





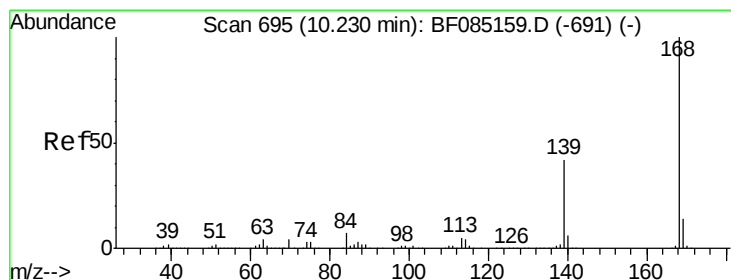
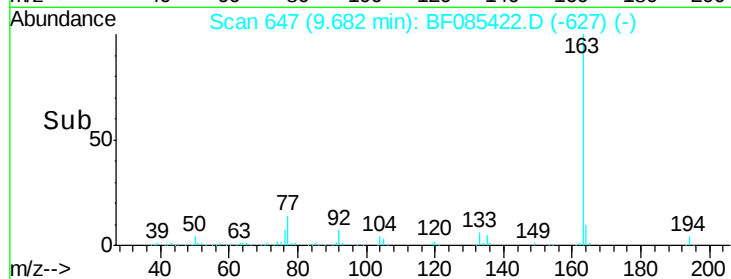
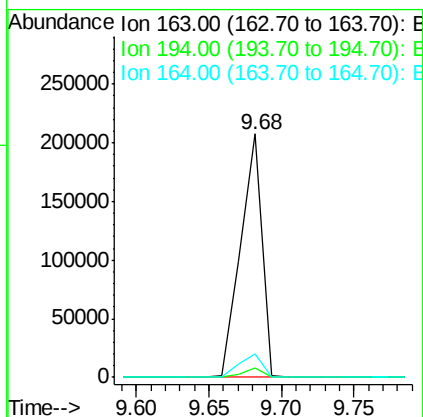
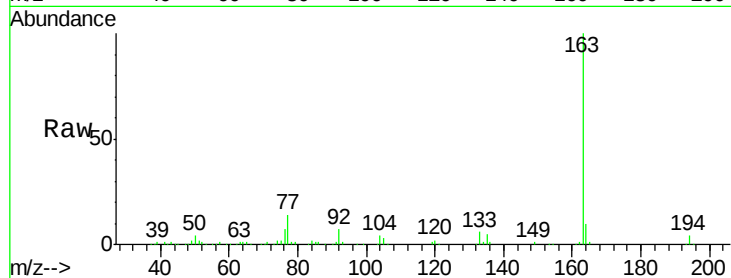
#49
Dimethylphthalate
Concen: 8.91 ng
RT: 9.68 min Scan# 647
Delta R.T. -0.07 min
Lab File: BF085422.D
Acq: 14 Mar 2016 12:04

Instrument :
BNA_F
ClientSampleId :
WASTEDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.0	3.1	4.7
164	9.5	8.2	12.4

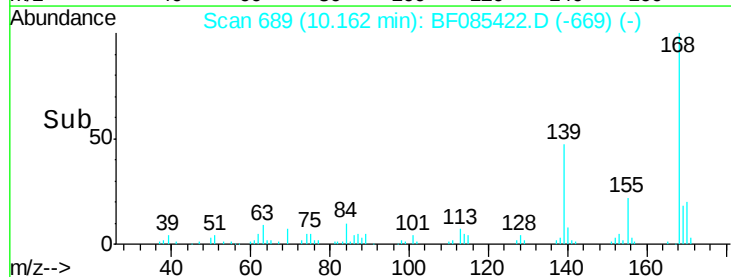
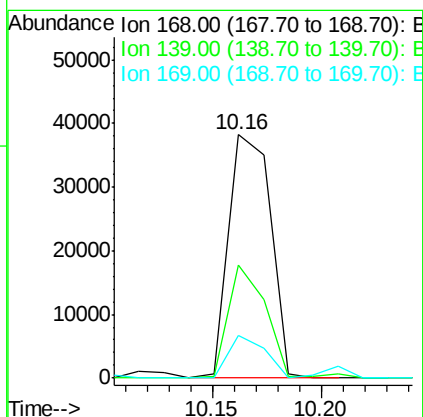
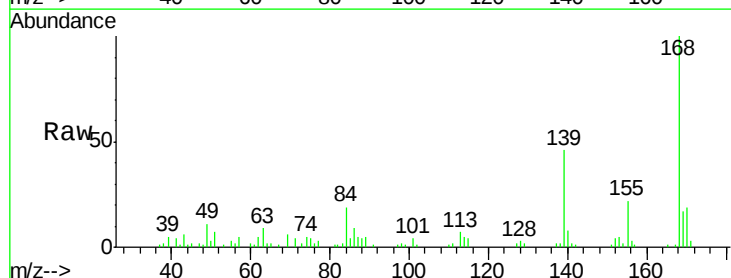
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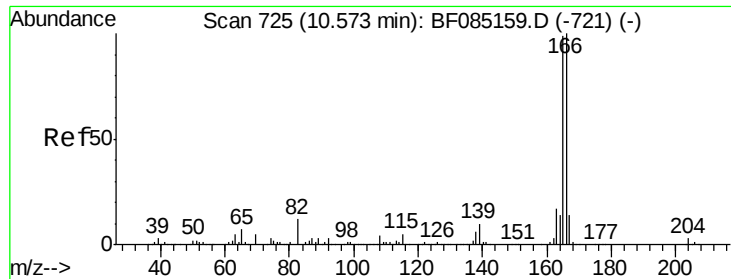
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#54
Dibenzofuran
Concen: 2.04 ng
RT: 10.16 min Scan# 689
Delta R.T. -0.07 min
Lab File: BF085422.D
Acq: 14 Mar 2016 12:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
168	100		
139	46.5	33.6	50.4
169	17.4	11.2	16.8#





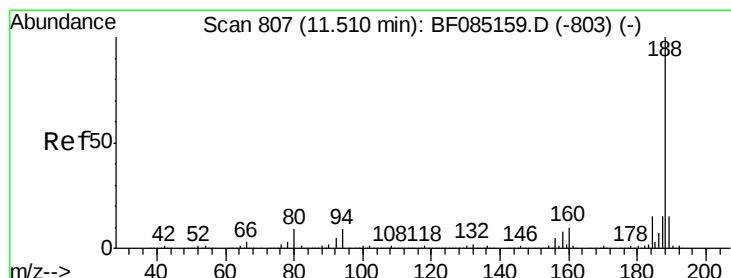
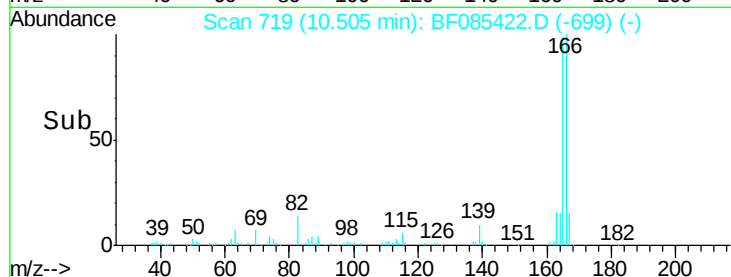
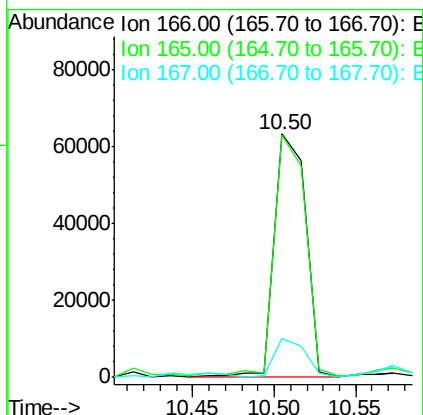
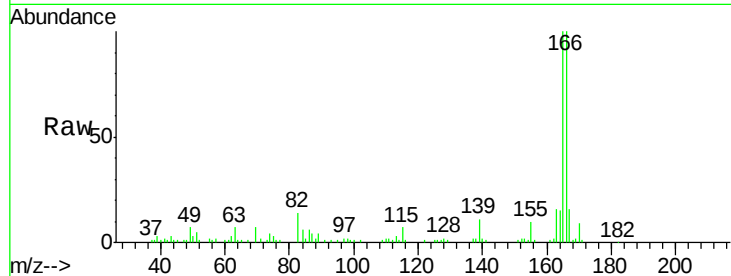
#57
Fluorene
 Concen: 4.34 ng
 RT: 10.50 min Scan# 719
 Delta R.T. -0.07 min
 Lab File: BF085422.D
 Acq: 14 Mar 2016 12:04

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100	85248		
165	99.6	79.4	119.0	
167	15.7	11.0	16.6	

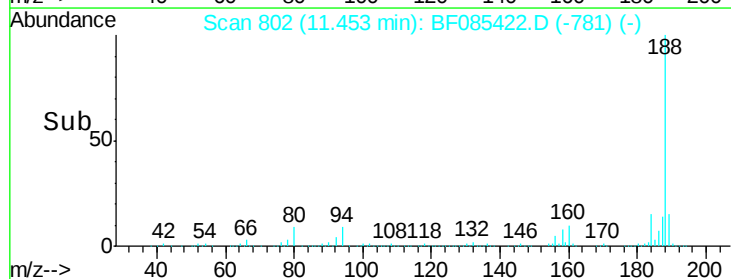
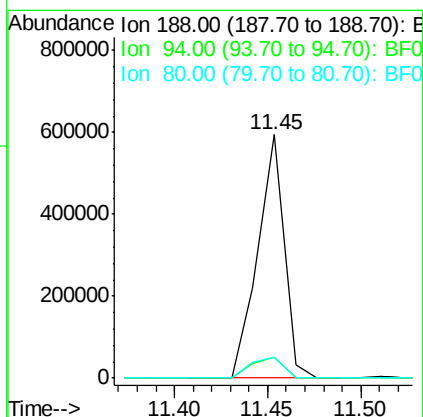
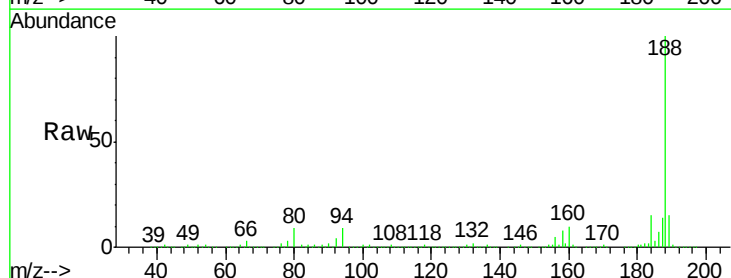
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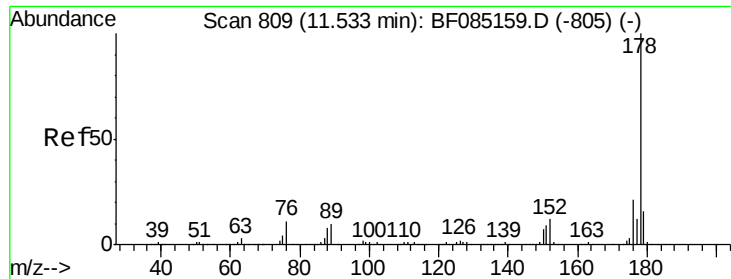
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 802
 Delta R.T. -0.06 min
 Lab File: BF085422.D
 Acq: 14 Mar 2016 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	582145		
94	8.5	7.0	10.6	
80	8.7	7.4	11.0	





#70

Phenanthrene

Concen: 38.14 ng

RT: 11.48 min Scan# 804

Delta R.T. -0.06 min

Lab File: BF085422.D

Acq: 14 Mar 2016 12:04

Instrument :

BNA_F

ClientSampleId :

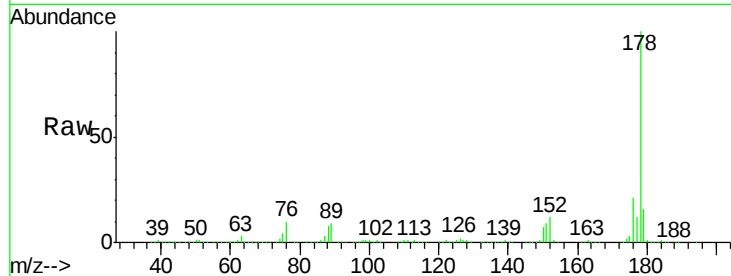
WASTEDL

Tgt Ion:178 Resp: 1163652

Ion	Ratio	Lower	Upper
178	100		
176	21.0	16.8	25.2
179	16.1	13.1	19.7

Manual Integrations
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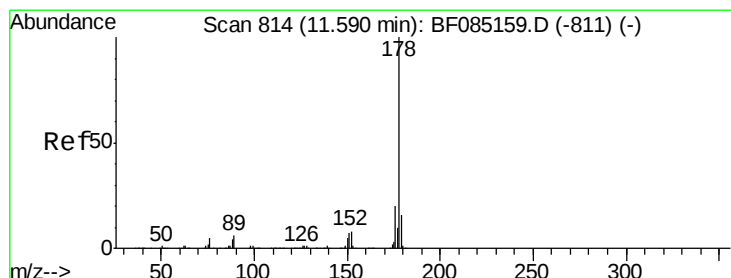
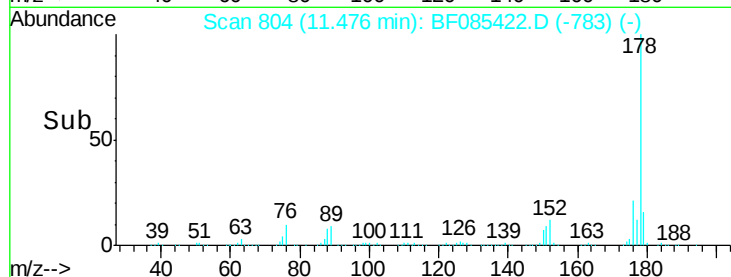
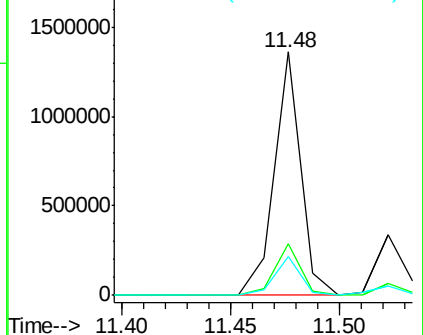
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 9.43 ng

RT: 11.52 min Scan# 808

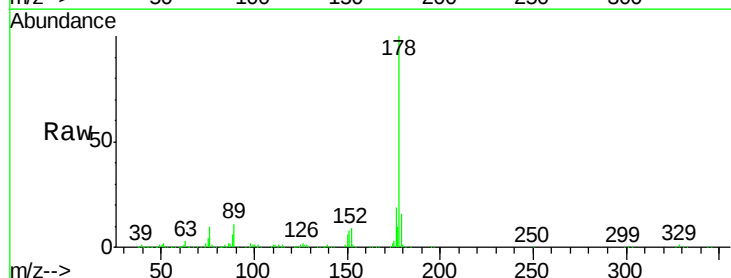
Delta R.T. -0.07 min

Lab File: BF085422.D

Acq: 14 Mar 2016 12:04

Tgt Ion:178 Resp: 305301

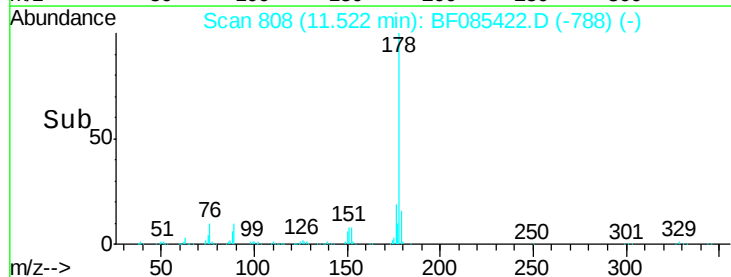
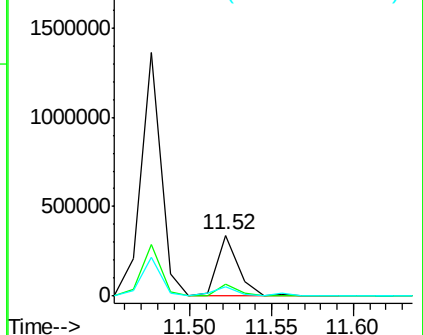
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	15.7	12.5	18.7

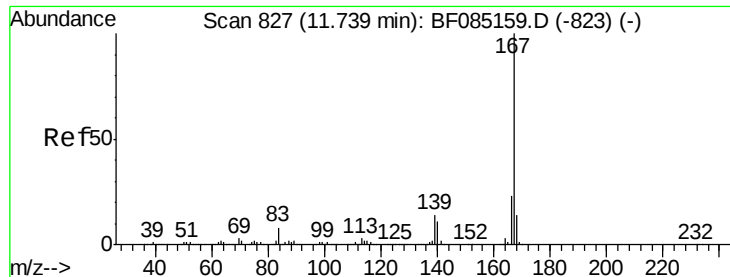


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.45 ng

RT: 11.68 min Scan# 822

Delta R.T. -0.06 min

Lab File: BF085422.D

Acq: 14 Mar 2016 12:04

Instrument :

BNA_F

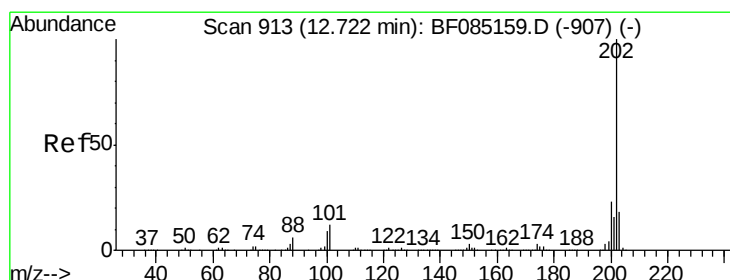
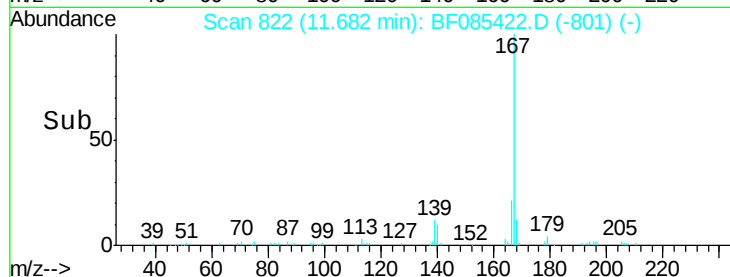
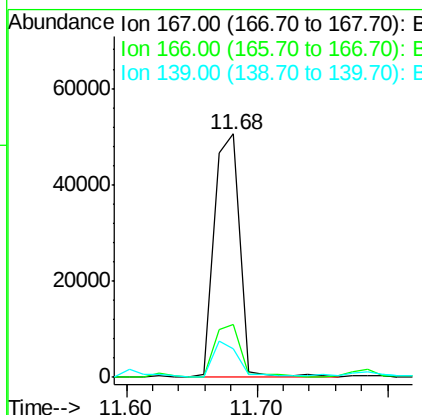
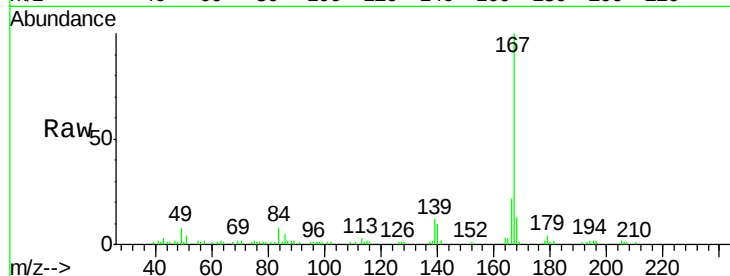
ClientSampleId :

WASTEDL

Tgt Ion:	167	Resp:	69477
Ion Ratio	Lower	Upper	
167	100		
166	22.0	18.2	27.2
139	12.0	11.4	17.0

Manual Integrations
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#74

Fluoranthene

Concen: 45.28 ng

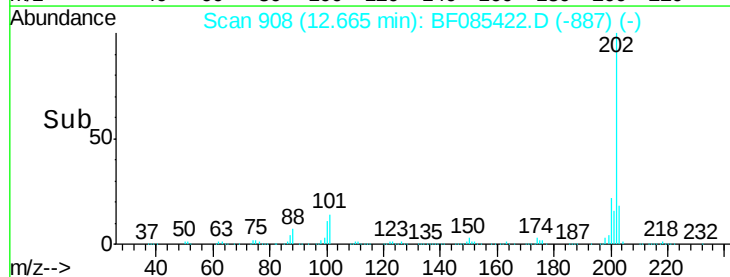
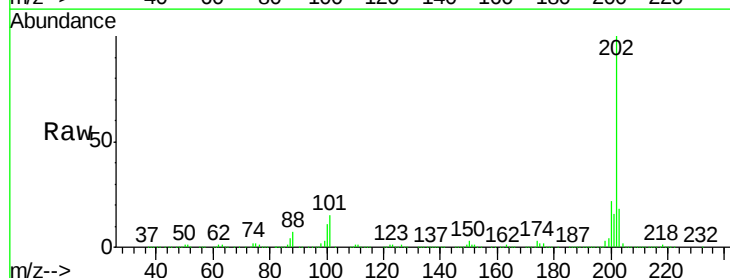
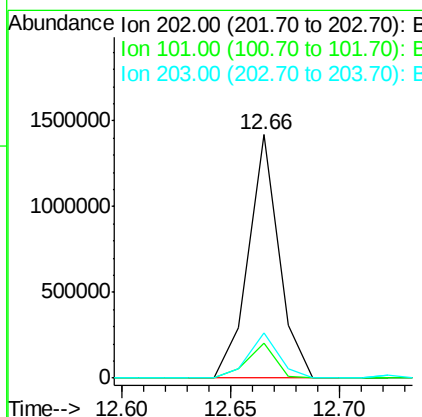
RT: 12.66 min Scan# 908

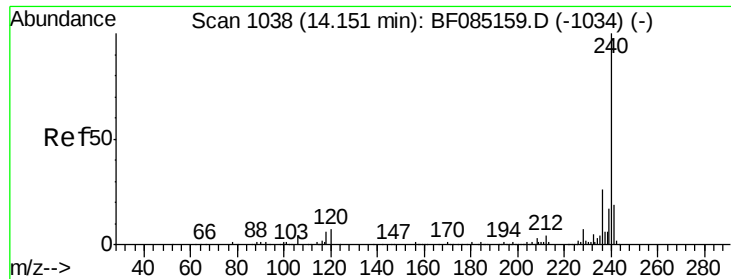
Delta R.T. -0.06 min

Lab File: BF085422.D

Acq: 14 Mar 2016 12:04

Tgt Ion:	202	Resp:	1386354
Ion Ratio	Lower	Upper	
202	100		
101	14.6	0.0	31.8
203	18.4	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.06 min

Lab File: BF085422.D

Acq: 14 Mar 2016 12:04

Instrument :

BNA_F

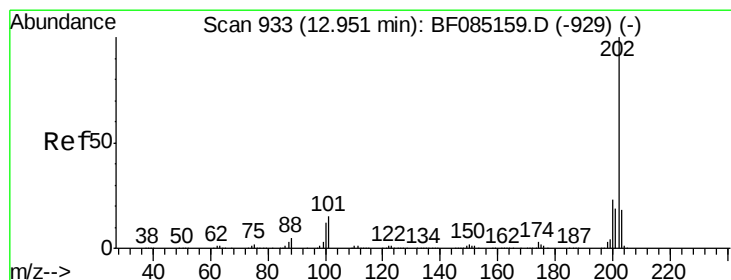
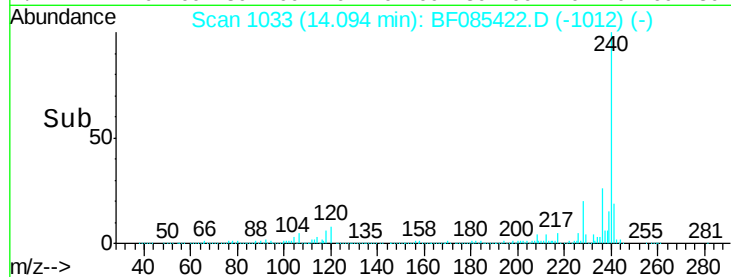
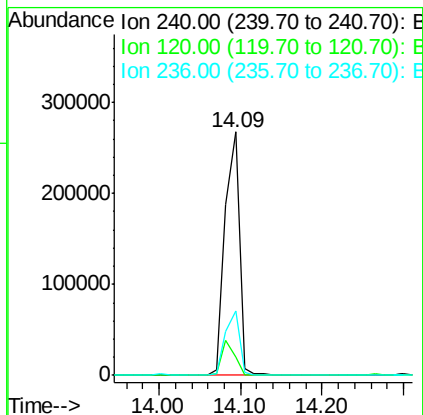
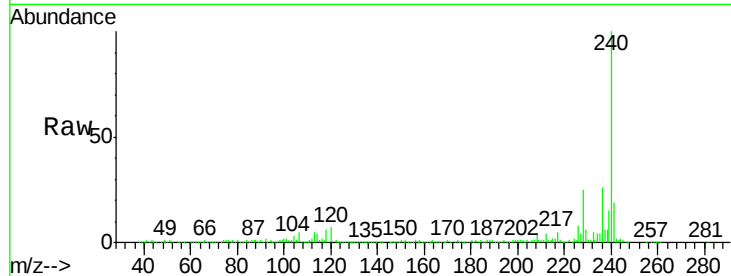
ClientSampleId :

WASTEDL

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.5	5.3	7.9
236	26.4	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 46.90 ng

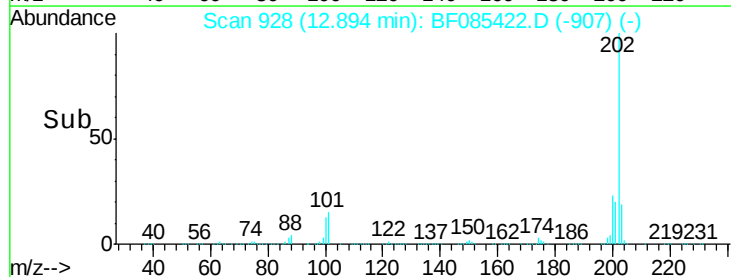
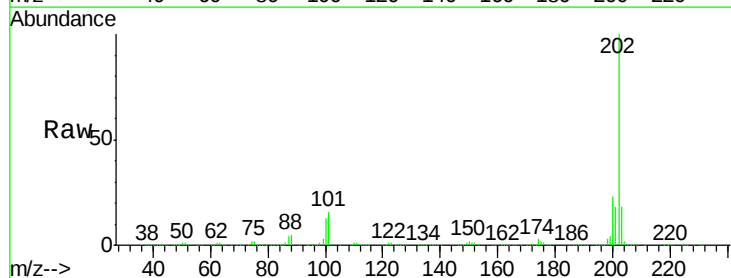
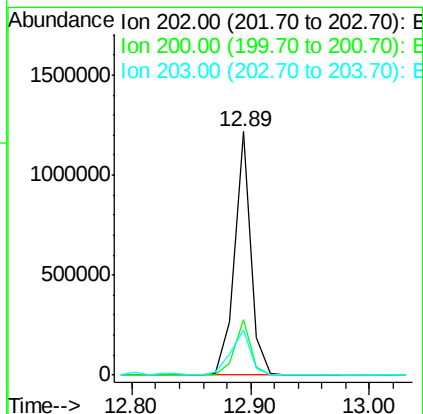
RT: 12.89 min Scan# 928

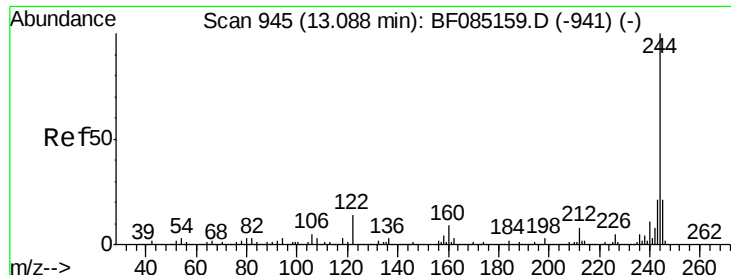
Delta R.T. -0.06 min

Lab File: BF085422.D

Acq: 14 Mar 2016 12:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.6	18.2	27.4
203	18.5	14.7	22.1





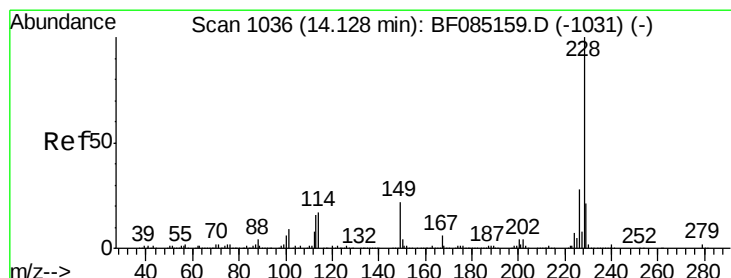
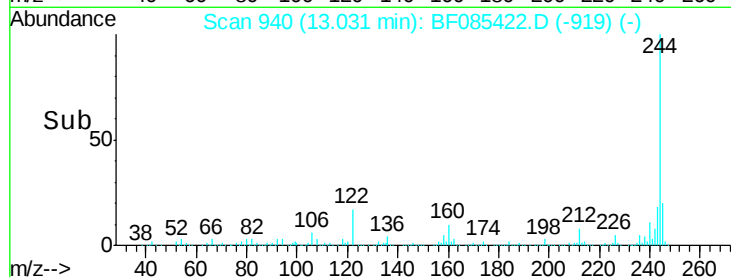
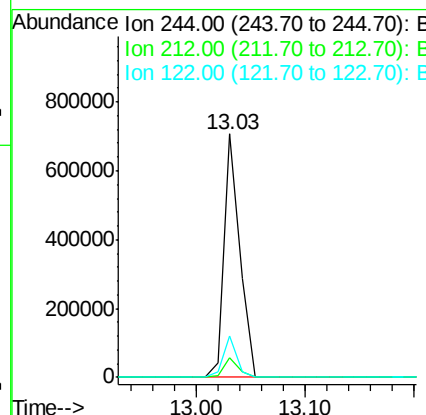
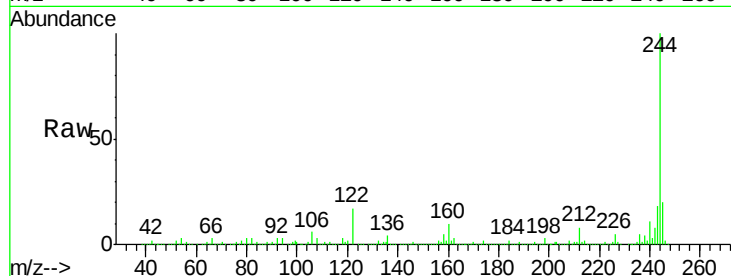
#78
 Terphenyl-d14
 Concen: 50.88 ng
 RT: 13.03 min Scan# 940
 Delta R.T. -0.06 min
 Lab File: BF085422.D
 Acq: 14 Mar 2016 12:04

Instrument :
 BNA_F
 ClientSampleId :
 WASTEDL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.4	9.6
122	16.9	11.4	17.2

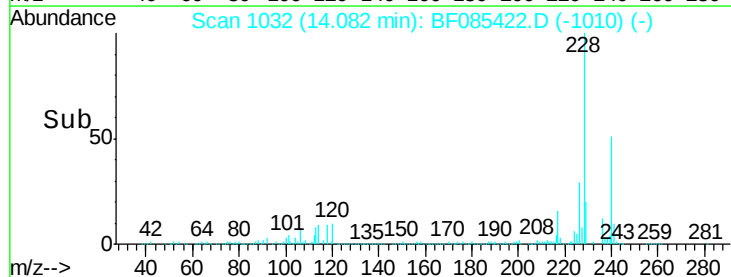
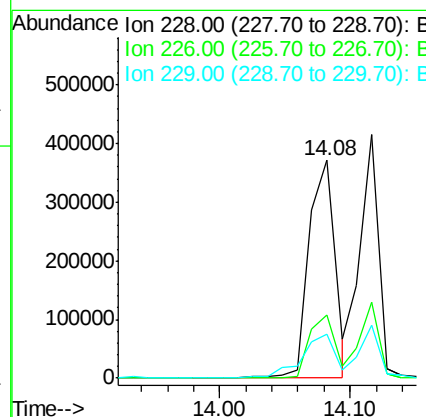
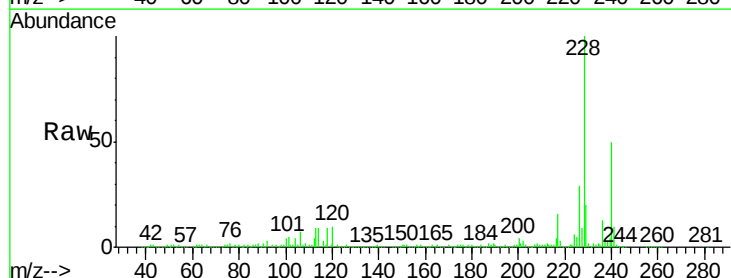
Manual Integrations
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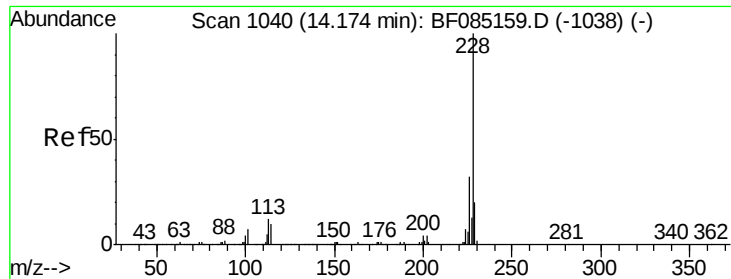
Sohil
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#80
 Benzo(a)anthracene
 Concen: 26.09 ng
 RT: 14.08 min Scan# 1032
 Delta R.T. -0.05 min
 Lab File: BF085422.D
 Acq: 14 Mar 2016 12:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.8	34.2
229	20.4	16.6	24.8





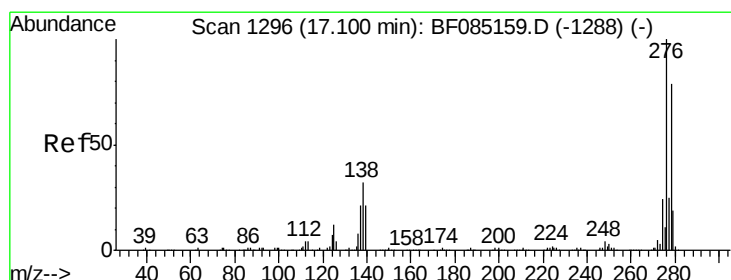
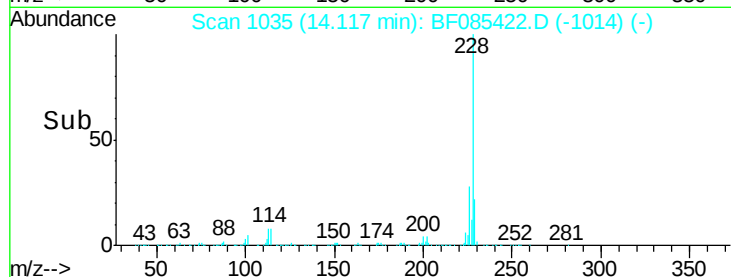
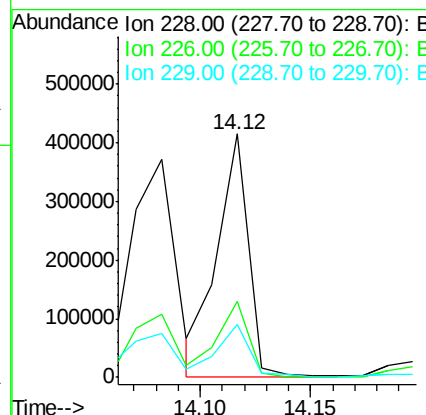
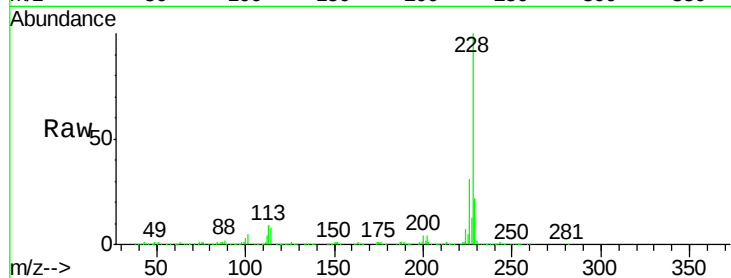
#82
 Chrysene
 Concen: 22.77 ng m
 RT: 14.12 min Scan# 1035
 Delta R.T. -0.06 min
 Lab File: BF085422.D
 Acq: 14 Mar 2016 12:04

Instrument :
 BNA_F
 ClientSampleId :
 WASTEDL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.2	37.8
229	21.9	16.0	24.0

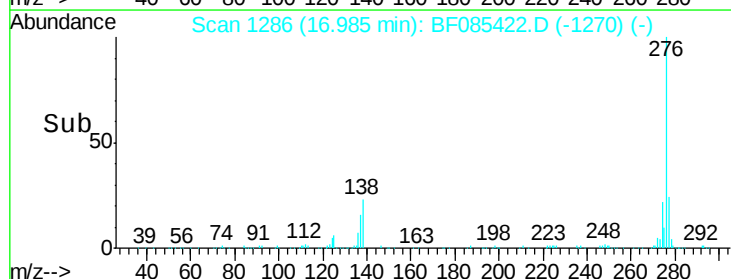
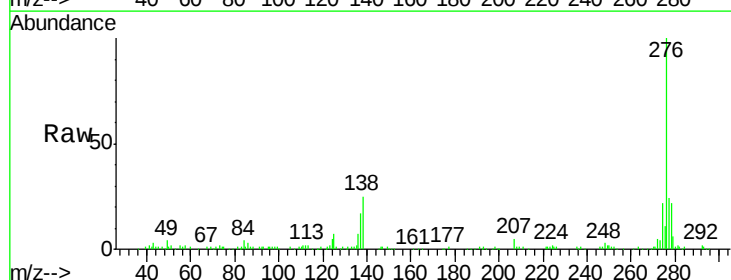
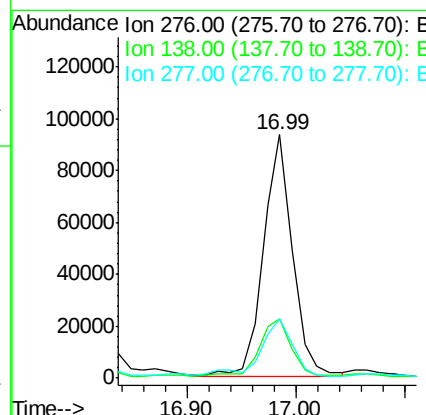
Manual Integrations
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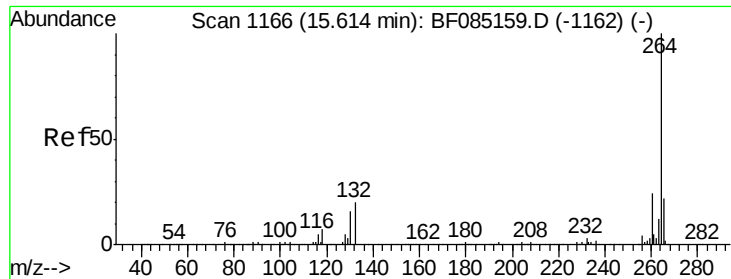
Sohil
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.53 ng
 RT: 16.99 min Scan# 1286
 Delta R.T. -0.11 min
 Lab File: BF085422.D
 Acq: 14 Mar 2016 12:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.8	26.4	39.6
277	28.3	20.2	30.2





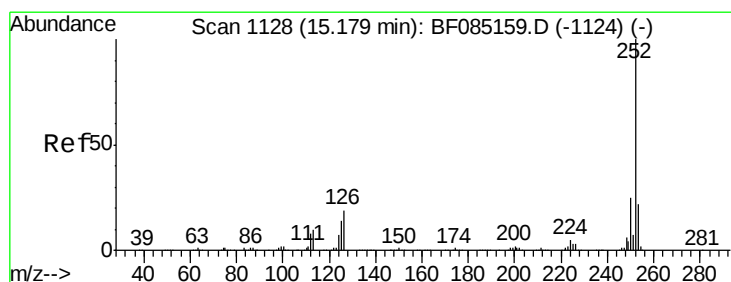
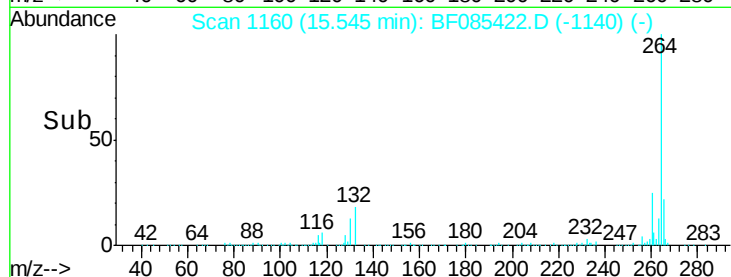
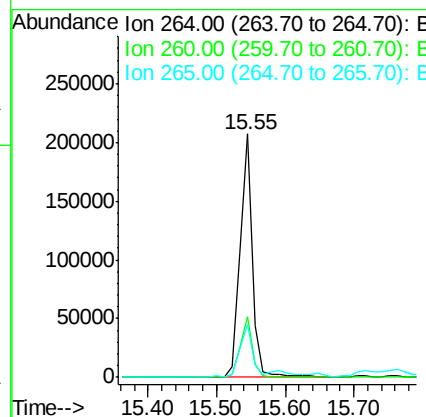
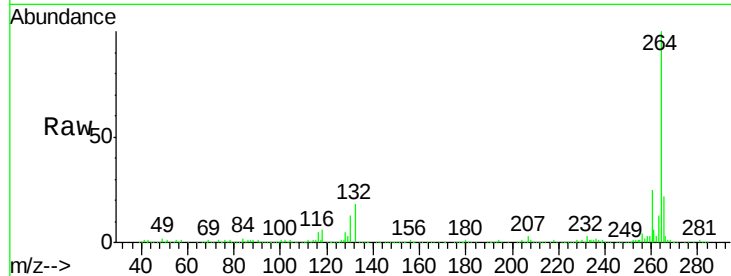
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 1160
Delta R.T. -0.07 min
Lab File: BF085422.D
Acq: 14 Mar 2016 12:04

Instrument :
BNA_F
ClientSampleId :
WASTEDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.7	19.2	28.8
265	21.9	17.3	25.9

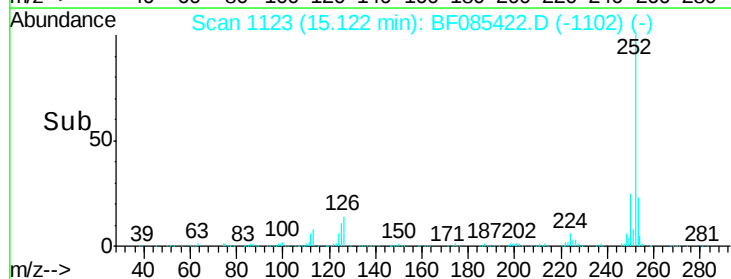
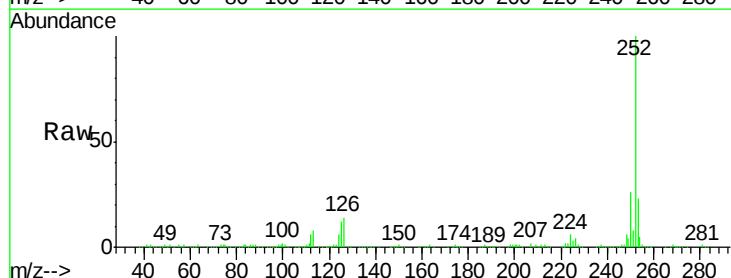
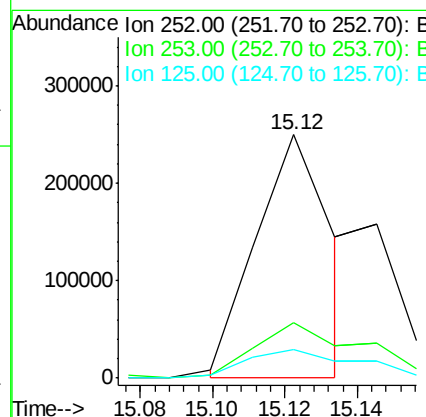
Manual Integrations
APPROVED

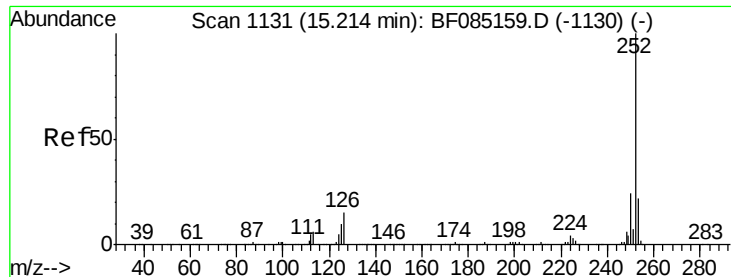
Sohil
3/15/2016 2:09:02 PM



#87
Benzo(b)fluoranthene
Concen: 20.75 ng m
RT: 15.12 min Scan# 1123
Delta R.T. -0.06 min
Lab File: BF085422.D
Acq: 14 Mar 2016 12:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.7	17.8	26.6
125	11.5	11.3	16.9





#88

Benzo(k)fluoranthene

Concen: 9.93 ng m

RT: 15.15 min Scan# 1125

Delta R.T. -0.07 min

Lab File: BF085422.D

Acq: 14 Mar 2016 12:04

Instrument :

BNA_F

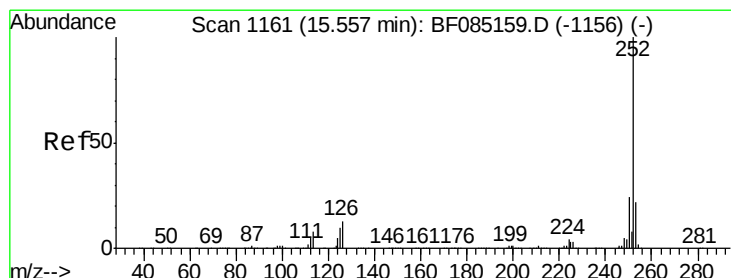
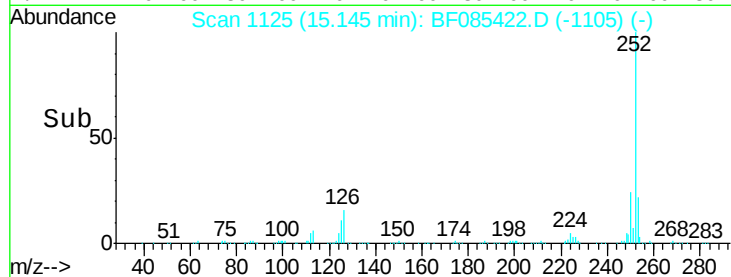
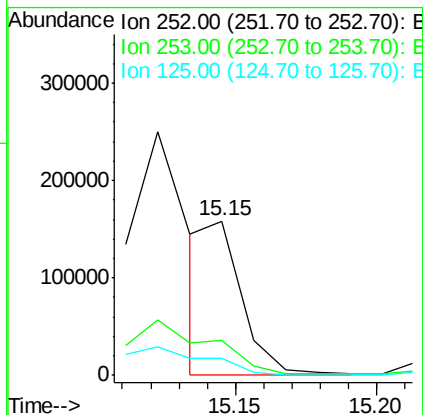
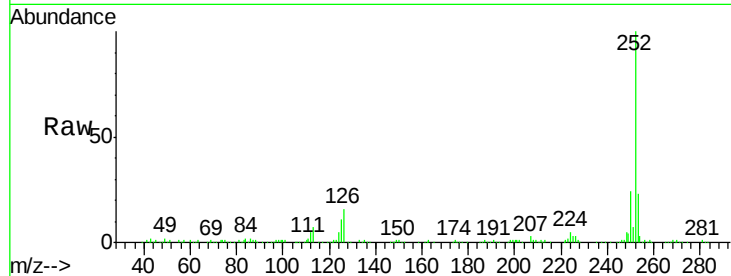
ClientSampleId :

WASTEDL

Tgt Ion:	252	Resp:	140234
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.8	26.6
125	10.7	10.4	15.6

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 18.58 ng

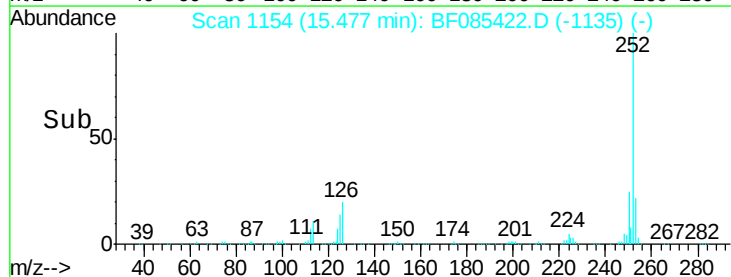
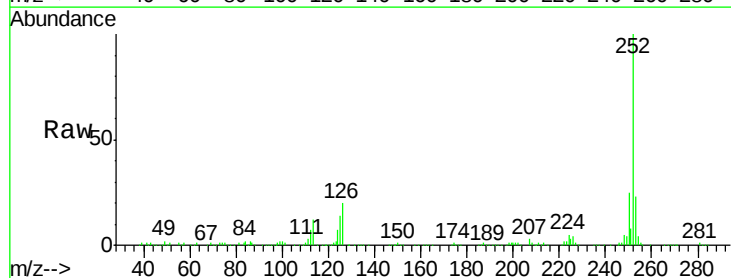
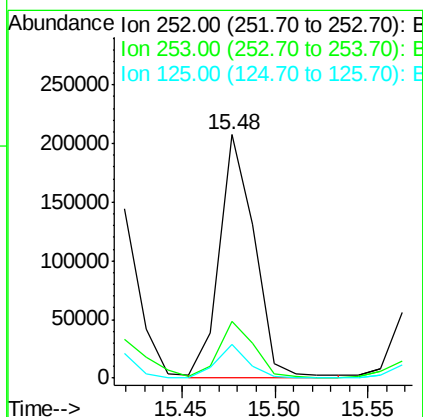
RT: 15.48 min Scan# 1154

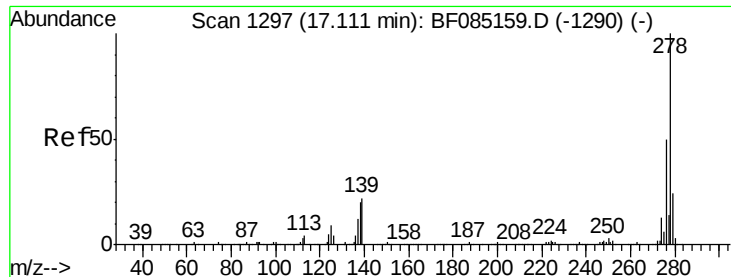
Delta R.T. -0.08 min

Lab File: BF085422.D

Acq: 14 Mar 2016 12:04

Tgt Ion:	252	Resp:	269566
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.0
125	13.9	8.2	12.4#





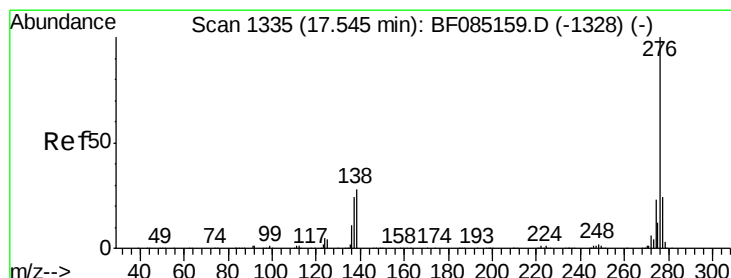
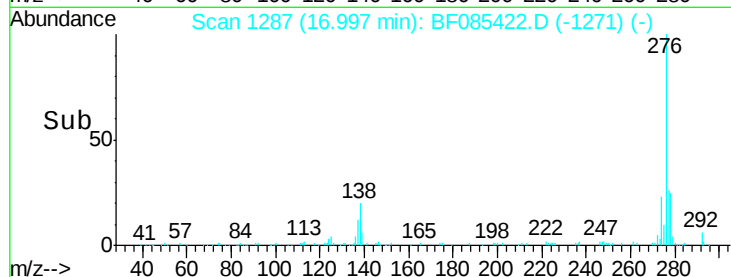
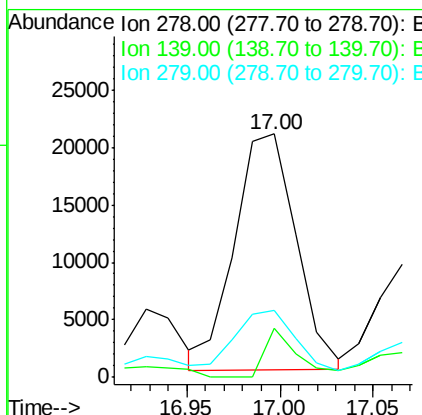
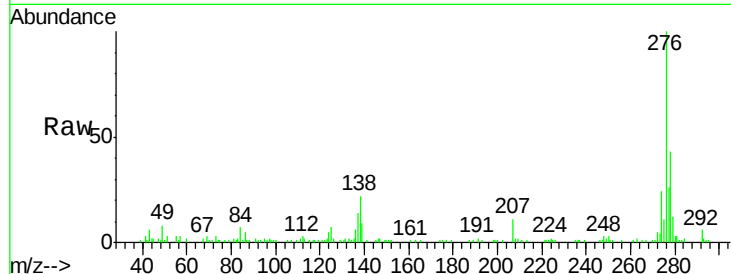
#90
Dibenzo(a,h)anthracene
Concen: 3.82 ng
RT: 17.00 min Scan# 1287
Delta R.T. -0.11 min
Lab File: BF085422.D
Acq: 14 Mar 2016 12:04

Instrument :
BNA_F
ClientSampled :
WASTEDL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.1	17.3	25.9
279	27.3	19.2	28.8

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 12.78 ng
RT: 17.42 min Scan# 1324
Delta R.T. -0.13 min
Lab File: BF085422.D
Acq: 14 Mar 2016 12:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.0	28.4
138	24.7	22.5	33.7

