

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
 Data File : BF090264.D
 Acq On : 27 Sep 2016 20:55
 Operator : UM/SJ
 Sample : H4949-03 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2-1-LOC-2(0-5)

Manual Integrations
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Quant Time: Sep 28 01:23:52 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	119609	20.00	ng	0.00
21) Naphthalene-d8	7.76	136	452561	20.00	ng	-0.01
38) Acenaphthene-d10	9.50	164	217646	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	292720	20.00	ng	-0.01
75) Chrysene-d12	13.58	240	286351	20.00	ng	-0.02
86) Perylene-d12	14.90	264	264873	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	399986	54.51	ng	0.00
7) Phenol-d6	6.12	99	475337	52.45	ng	-0.01
23) Nitrobenzene-d5	7.04	82	267147	34.22	ng	-0.02
41) 2,4,6-Tribromophenol	10.28	330	88417	47.35	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	483980	43.66	ng	-0.02
78) Terphenyl-d14	12.55	244	322071	28.56	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.23	163	162955	11.76	ng	Qvalue # 99
70) Phenanthrene	10.99	178	38768	2.83	ng	99
74) Fluoranthene	12.16	202	87432	5.95	ng	99
77) Pyrene	12.39	202	86383	4.41	ng	97
80) Benzo(a)anthracene	13.57	228	48788m	3.17	ng	
82) Chrysene	13.60	228	51341m	3.42	ng	
83) Bis(2-ethylhexyl)phthalate	13.60	149	56782	4.63	ng	98
85) Indeno(1,2,3-cd)pyrene	16.03	276	27474	2.26	ng	93
87) Benzo(b)fluoranthene	14.56	252	67514m	4.60	ng	
88) Benzo(k)fluoranthene	14.57	252	27635m	2.01	ng	
89) Benzo(a)pyrene	14.85	252	48008	3.48	ng	# 85
91) Benzo(a,h,i)perylene	16.38	276	29529	2.80	ng	95

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

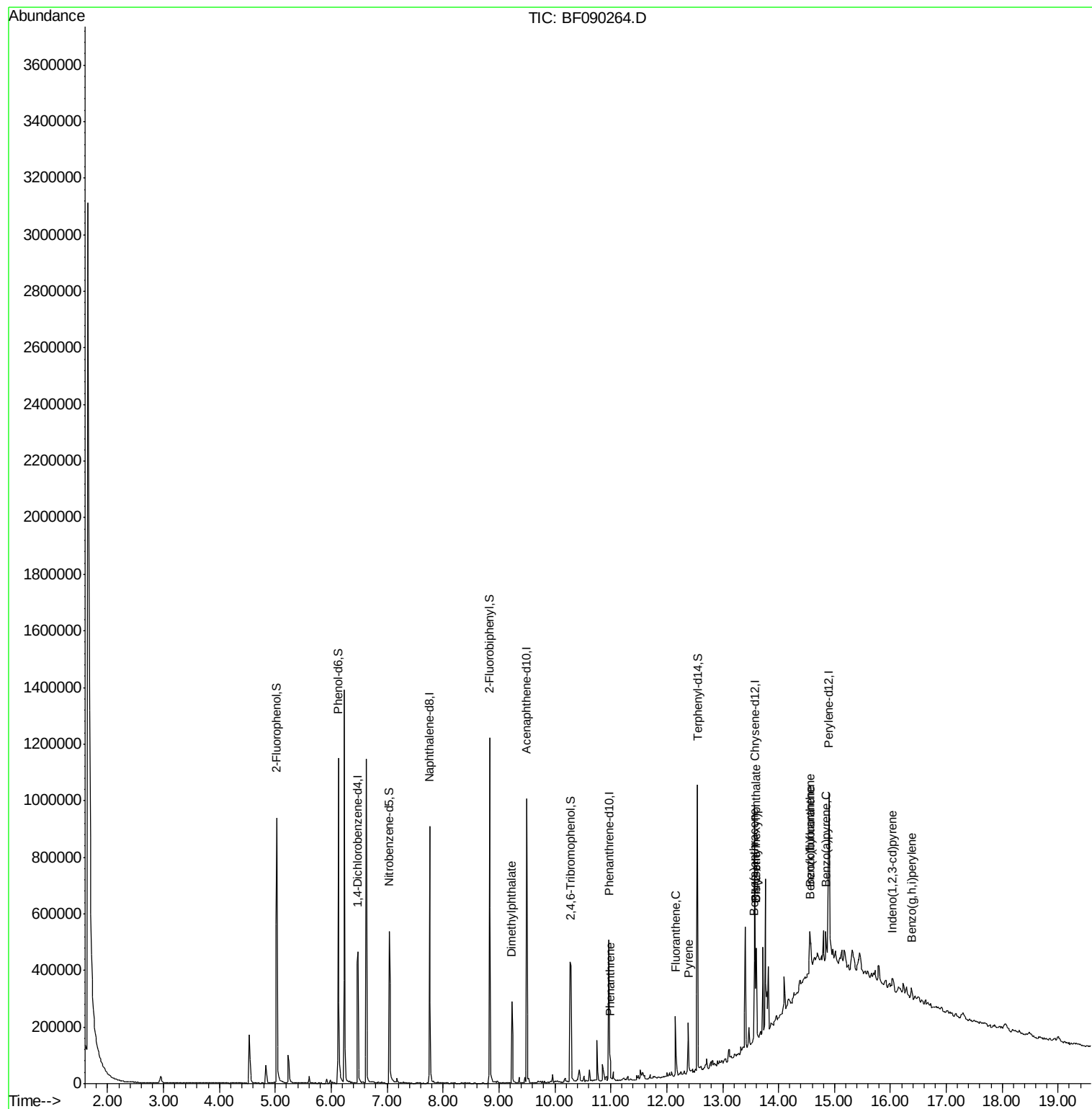
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
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ALS Vial : 17 Sample Multiplier: 1

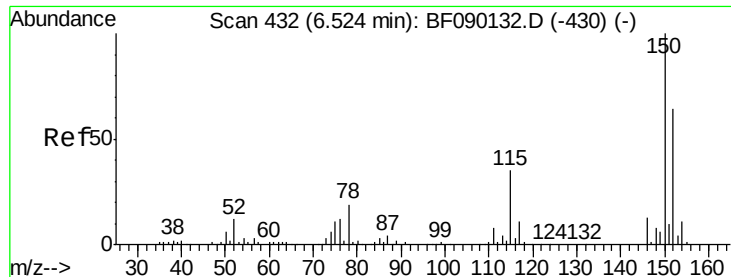
Instrument :
BNA_F
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S-2-1-LOC-2(0-5)

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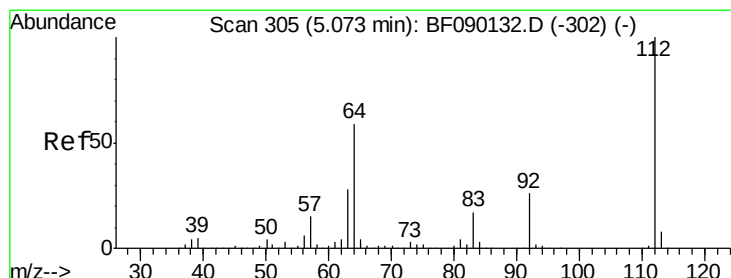
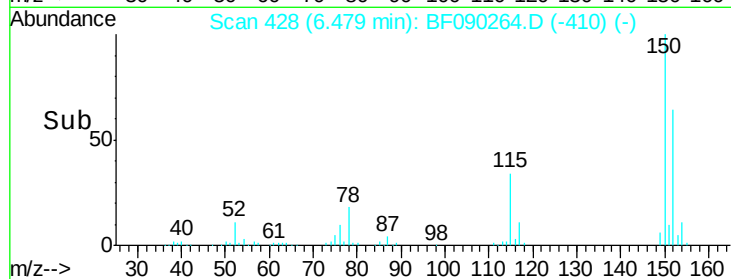
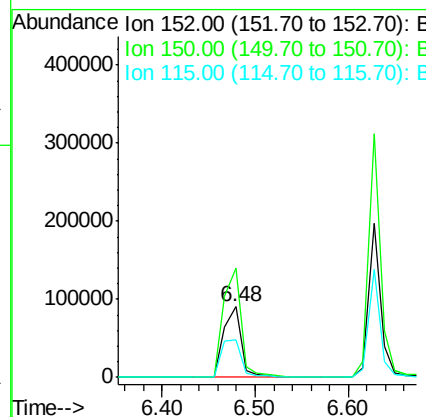
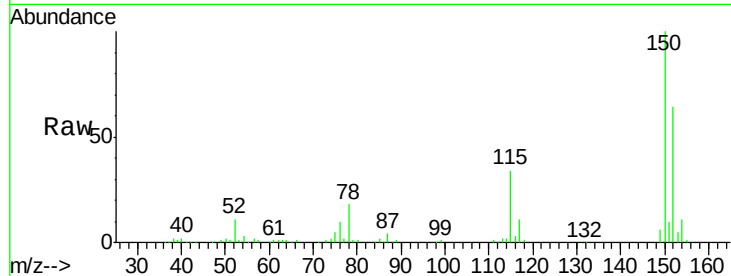
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.48 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

Instrument :
 BNA_F
 ClientSampleId :
 S-2-1-LOC-2(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	128.9	193.3
115	52.8	55.5	83.3

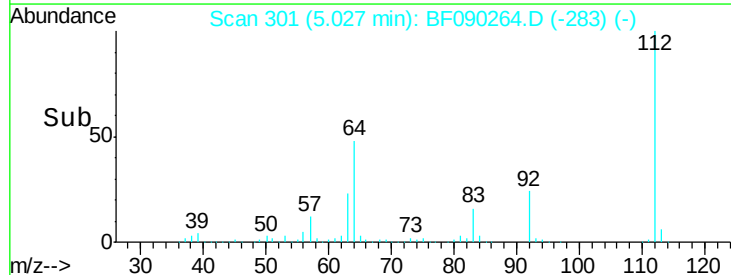
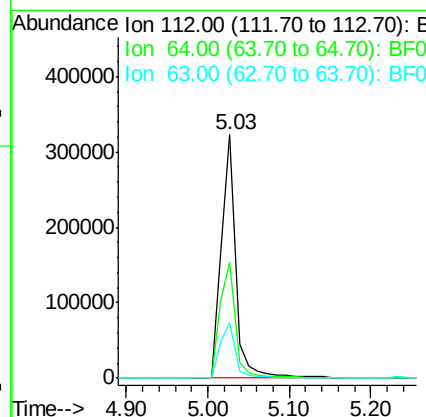
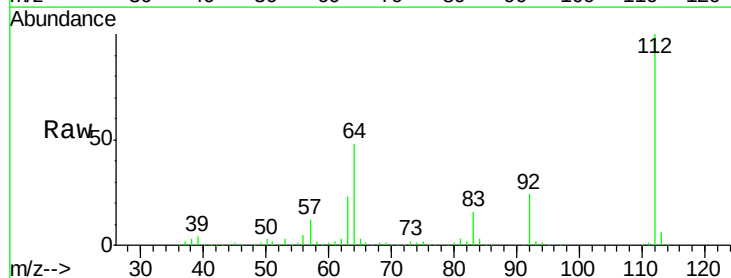
Manual Integrations
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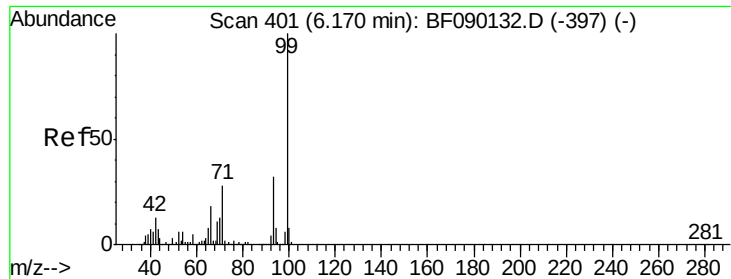
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#5
 2-Fluorophenol
 Concen: 54.51 ng
 RT: 5.03 min Scan# 301
 Delta R.T. 0.00 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.6	39.8	59.6
63	23.0	18.9	28.3





#7

Phenol-d6

Concen: 52.45 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

Instrument :

BNA_F

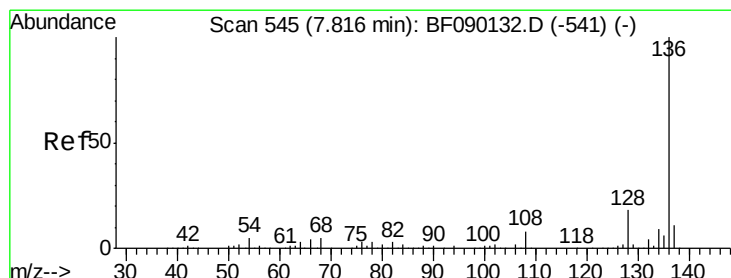
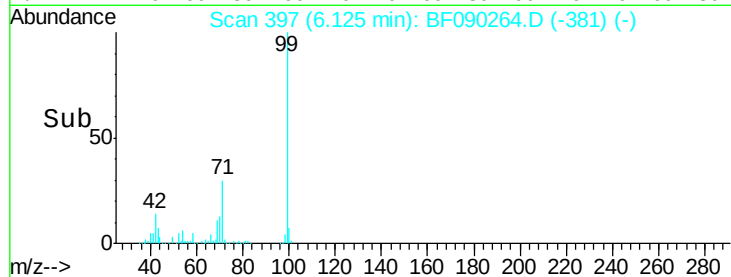
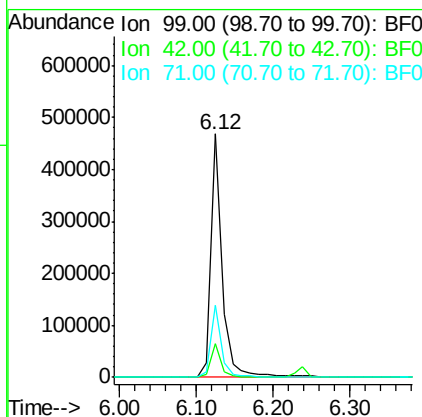
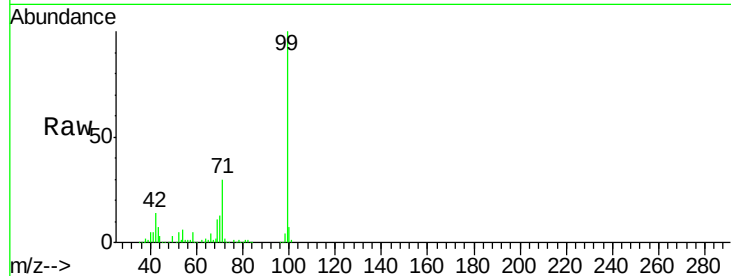
ClientSampleId :

S-2-1-LOC-2(0-5)

Tot Ion:	99	Resp:	475337
Ion Ratio	Lower	Upper	
99	100		
42	13.8	10.6	15.8
71	29.6	23.0	34.6

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#21

Naphthalene-d8

Concen: 20.00 ng

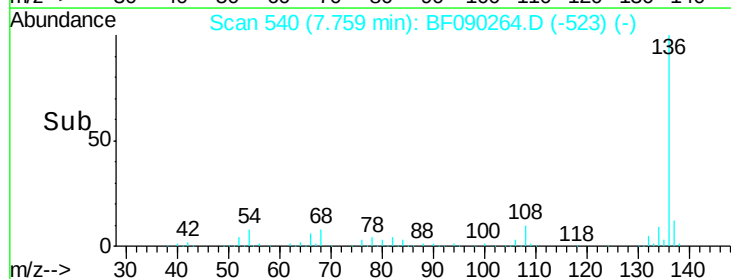
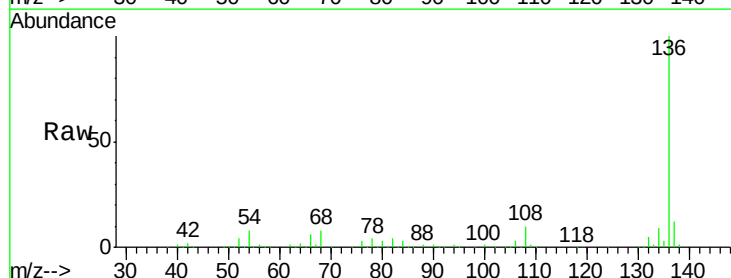
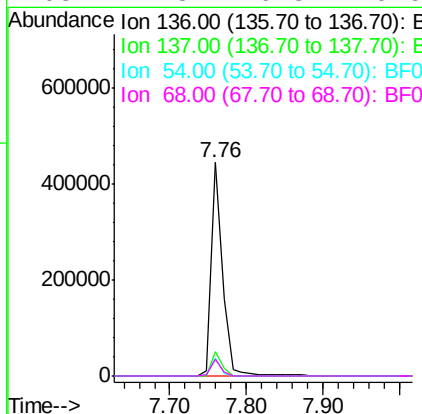
RT: 7.76 min Scan# 540

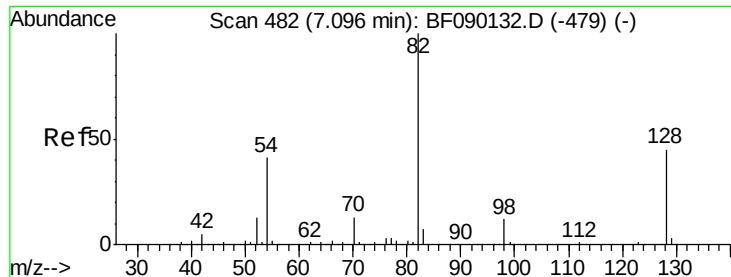
Delta R.T. -0.01 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

Tgt Ion:	136	Resp:	452561
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.0	13.4
54	8.2	6.4	9.6
68	7.8	6.3	9.5





#23

Nitrobenzene-d5

Concen: 34.22 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.02 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

Instrument :

BNA_F

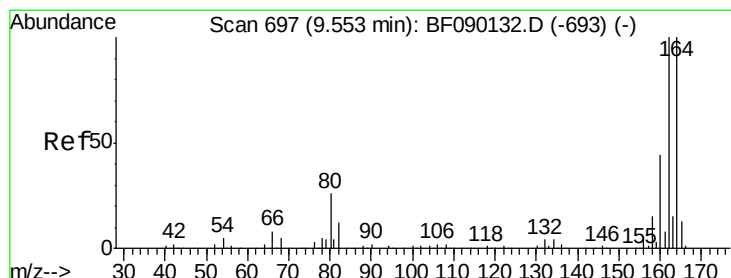
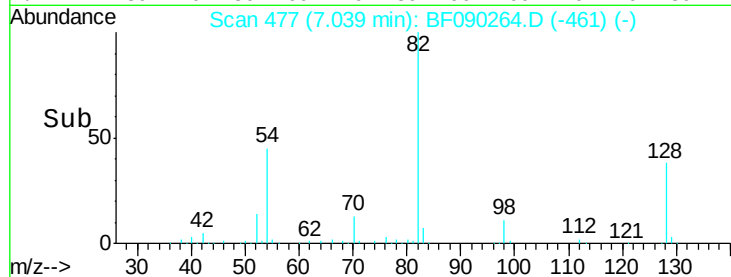
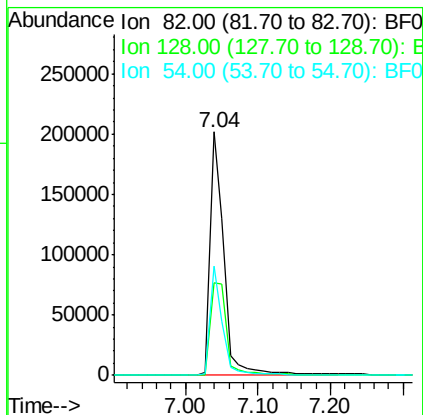
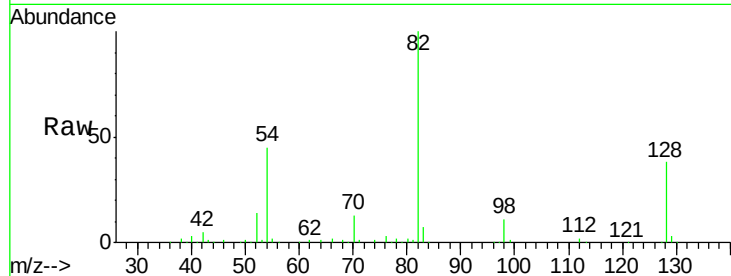
ClientSampled :

S-2-1-LOC-2(0-5)

Tot Ion:	82	Resp:	267147
Ion Ratio	Lower	Upper	
82	100		
128	37.8	37.5	56.3
54	45.1	31.9	47.9

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#38

Acenaphthene-d10

Concen: 20.00 ng

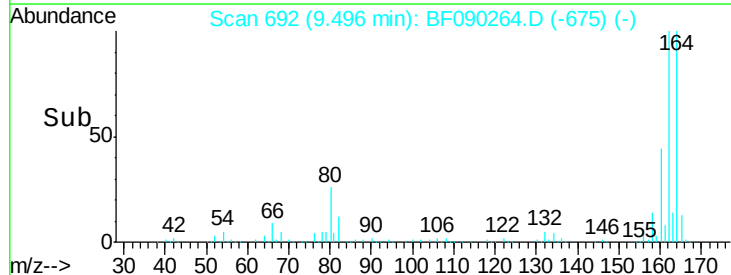
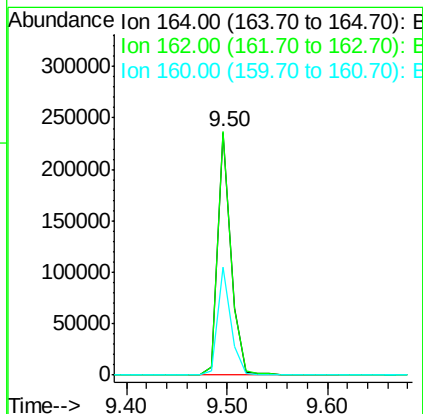
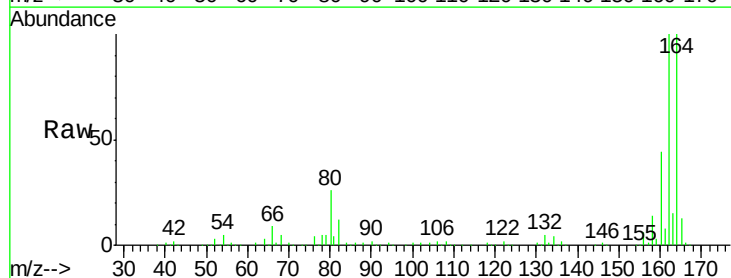
RT: 9.50 min Scan# 692

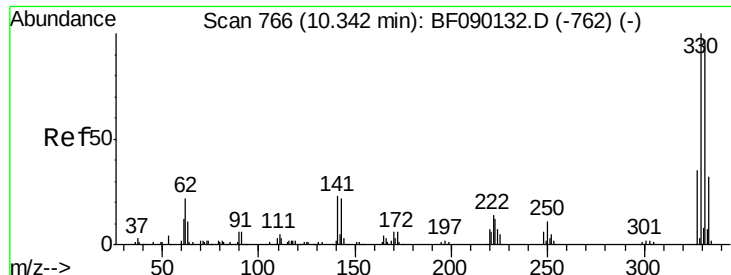
Delta R.T. -0.01 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

Tgt Ion:	164	Resp:	217646
Ion Ratio	Lower	Upper	
164	100		
162	100.4	81.4	122.2
160	44.4	36.6	54.8





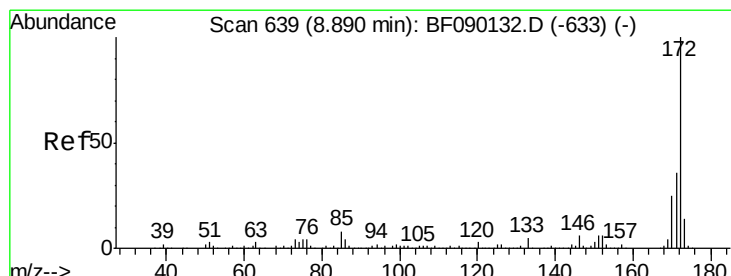
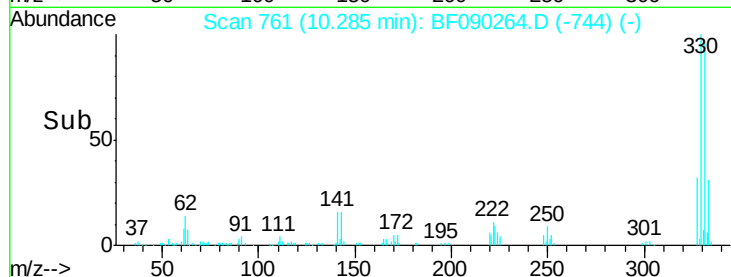
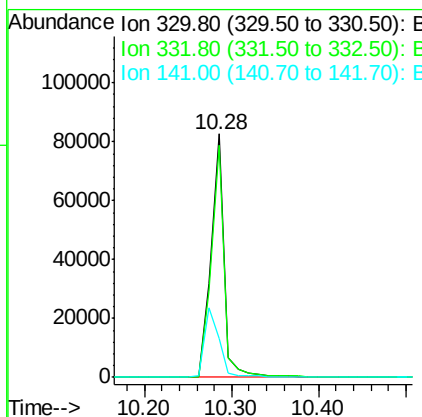
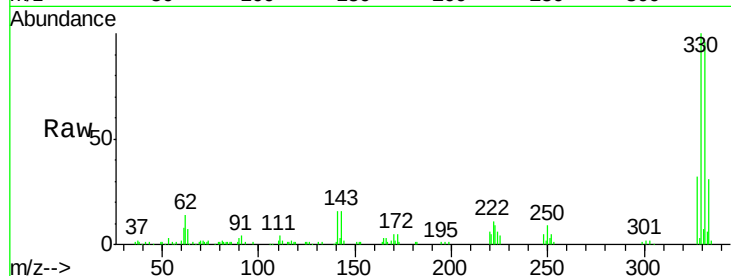
#41
 2,4,6-Tribromophenol
 Concen: 47.35 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

Instrument :
 BNA_F
 ClientSampleId :
 S-2-1-LOC-2(0-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	78.1	117.1
141	31.8	23.9	35.9

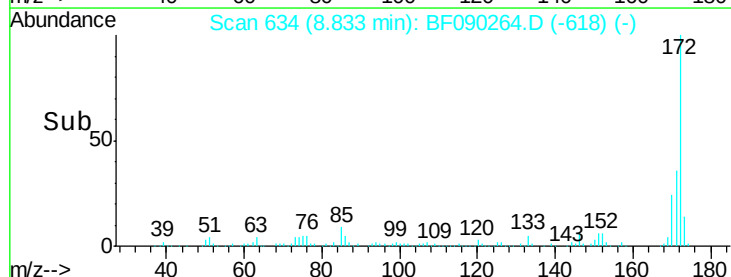
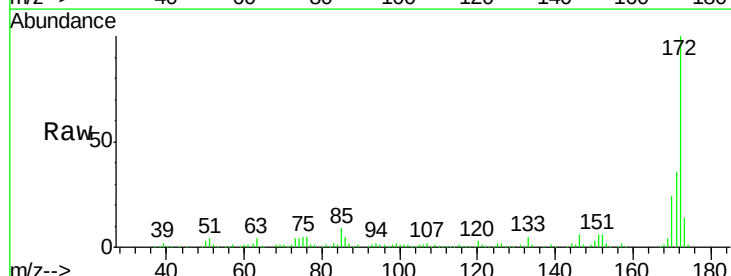
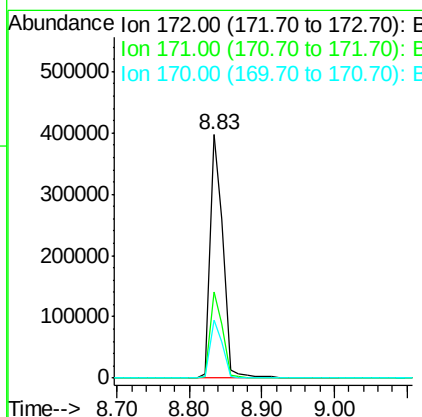
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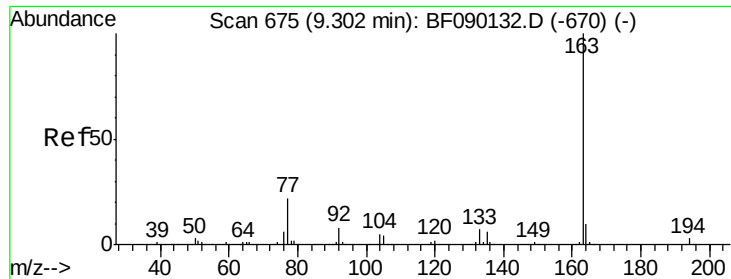
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#44
 2-Fluorobiphenyl
 Concen: 43.66 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.2	43.8
170	23.6	19.8	29.8





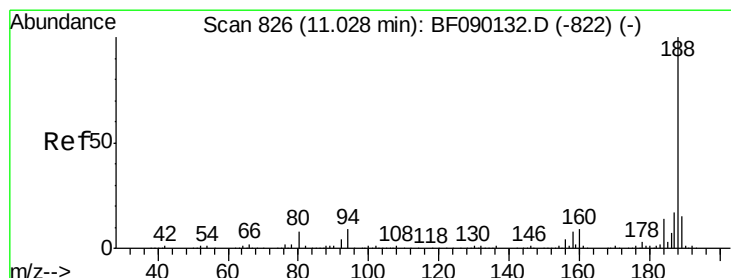
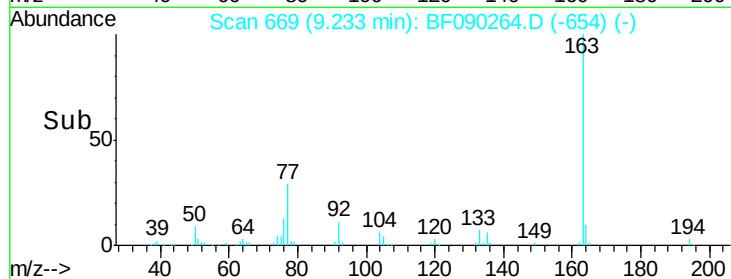
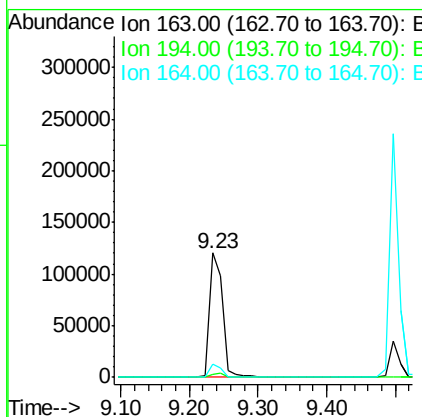
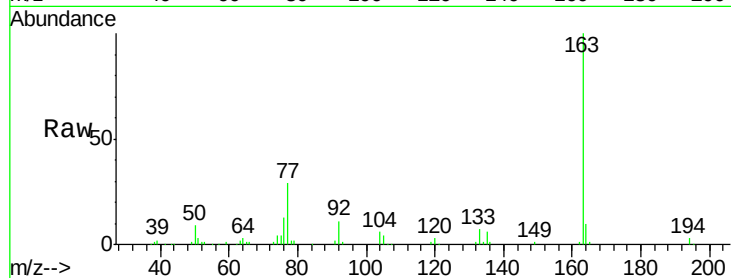
#49
Dimethylphthalate
Concen: 11.76 ng
RT: 9.23 min Scan# 669
Delta R.T. -0.03 min
Lab File: BF090264.D
Acq: 27 Sep 2016 20:55

Instrument :
BNA_F
ClientSampleId :
S-2-1-LOC-2(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	162955		
194	2.7		2.8	4.2#
164	10.3		8.1	12.1

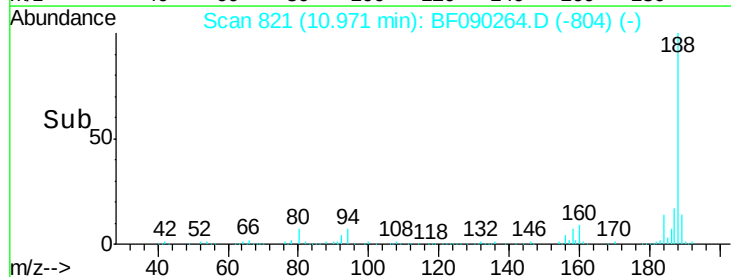
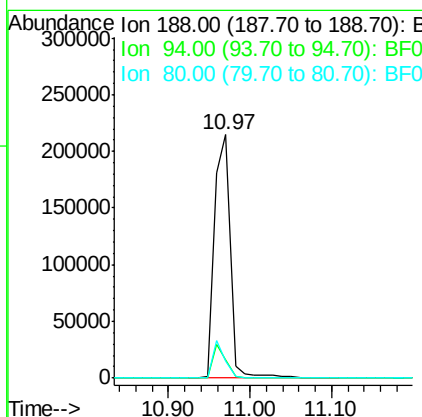
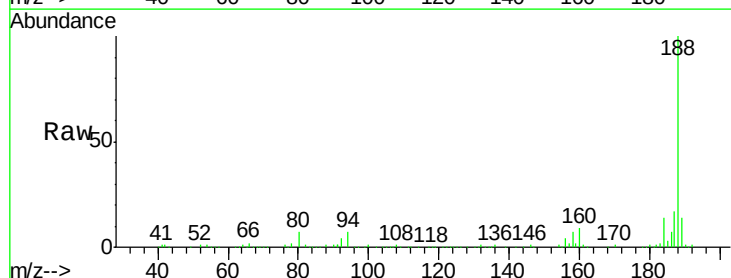
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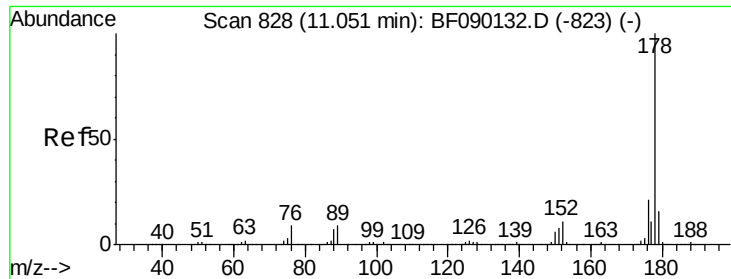
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.97 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF090264.D
Acq: 27 Sep 2016 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	292720		
94	7.5		10.5	15.7#
80	7.2		11.2	16.8#





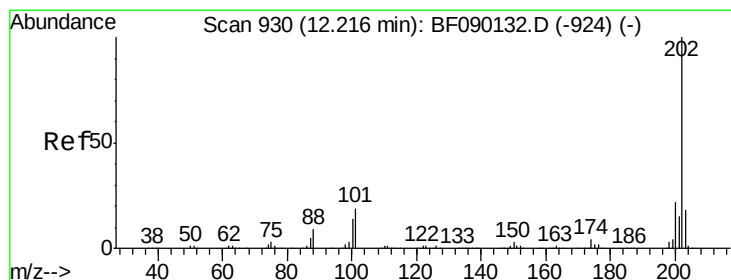
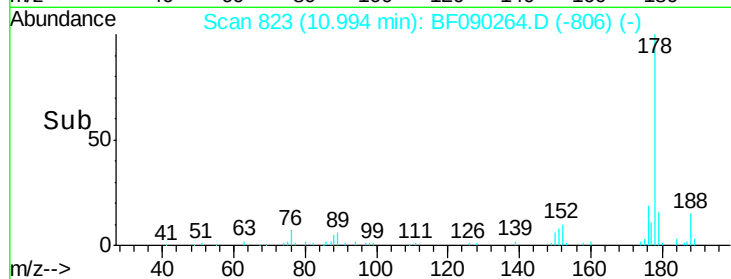
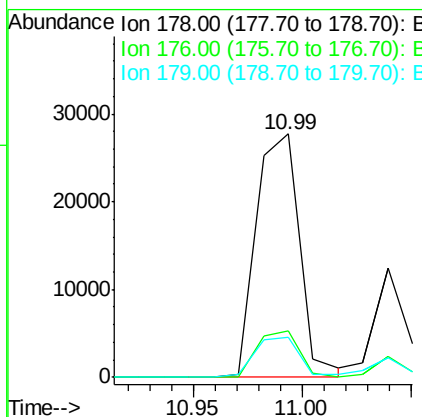
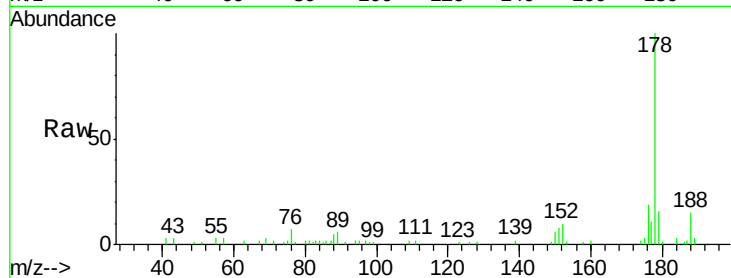
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Phenanthrene
Concen: 2.83 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF090264.D
Acq: 27 Sep 2016 20:55

Instrument :
BNA_F
ClientSampled :
S-2-1-LOC-2(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.9	23.9
179	16.5	12.9	19.3

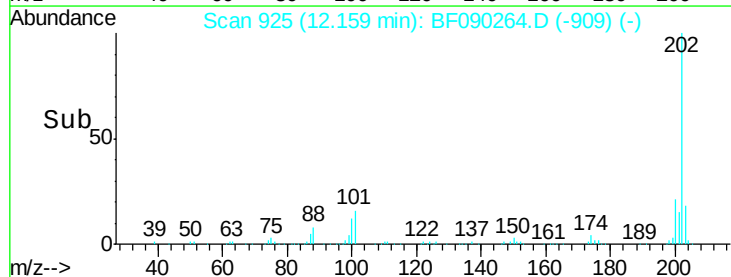
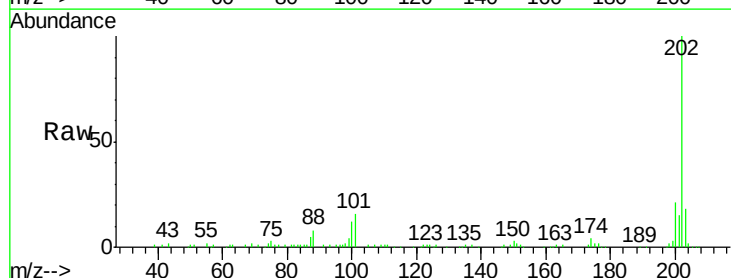
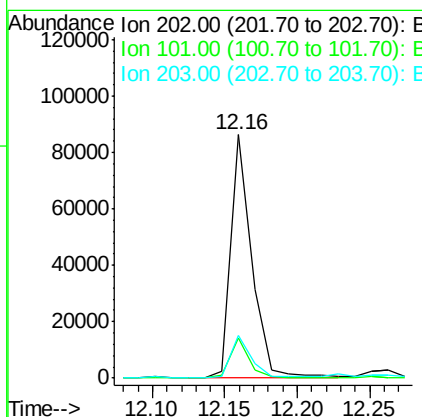
Manual Integrations
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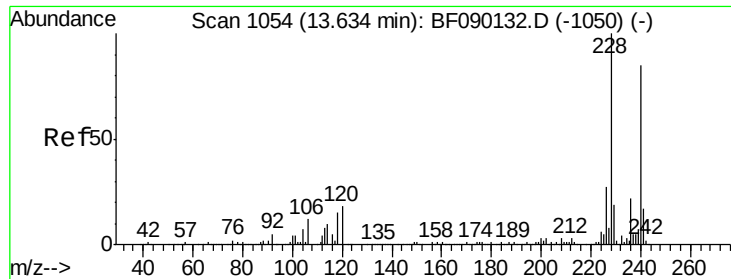
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#74
Fluoranthene
Concen: 5.95 ng
RT: 12.16 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF090264.D
Acq: 27 Sep 2016 20:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.5	0.0	36.1
203	17.7	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

Instrument :

BNA_F

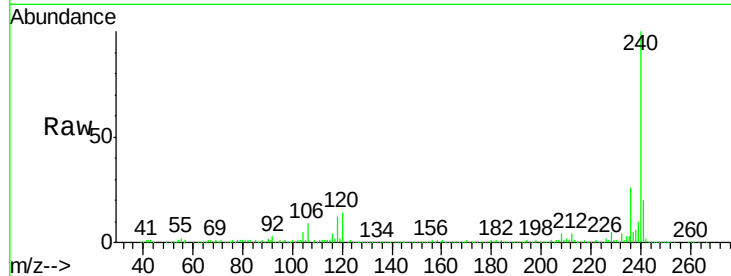
ClientSampleId :

S-2-1-LOC-2(0-5)

Tot Ion:	240	Resp:	286351
Ion Ratio	Lower	Upper	
240	100		
120	13.9	10.6	16.0
236	26.1	21.6	32.4

Manual Integrations
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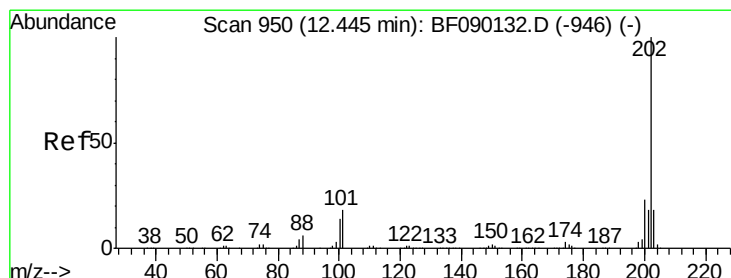
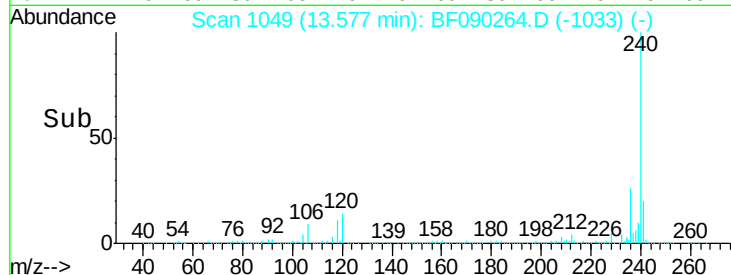
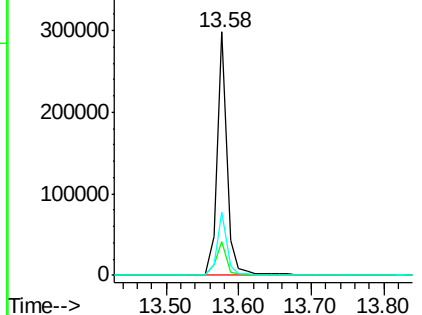
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.41 ng

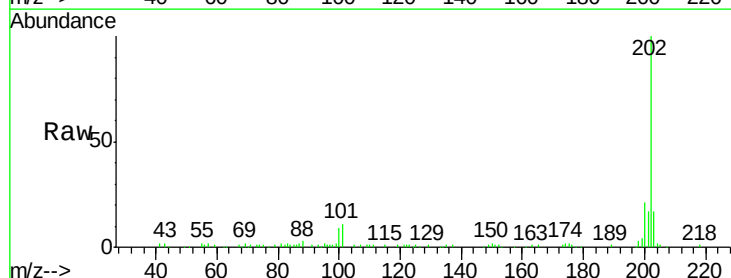
RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

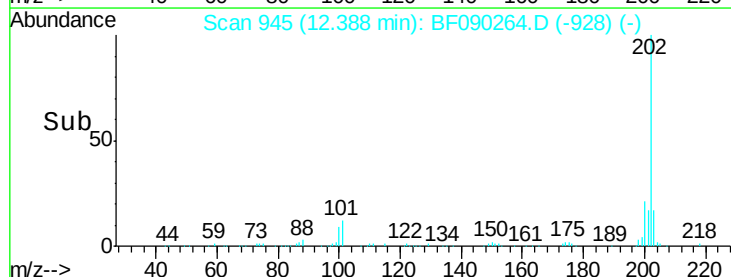
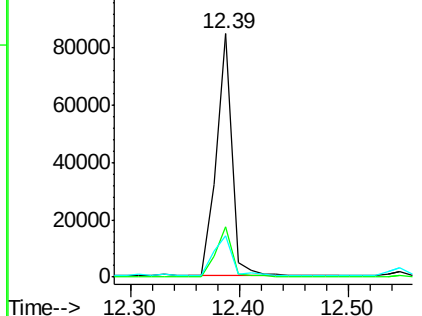
Tgt Ion:	202	Resp:	86383
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.9	26.9
203	17.2	14.2	21.4

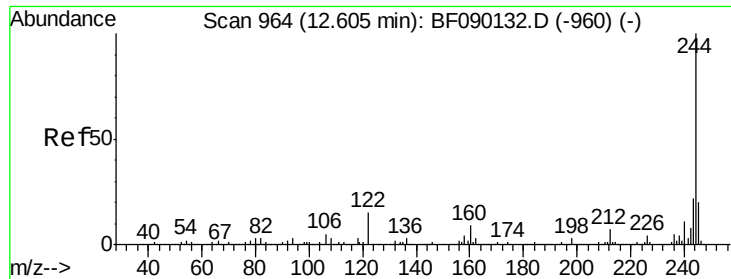


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





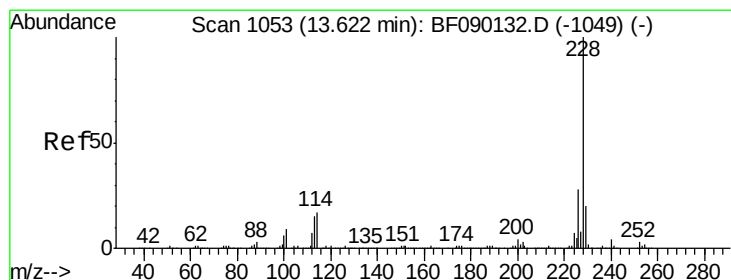
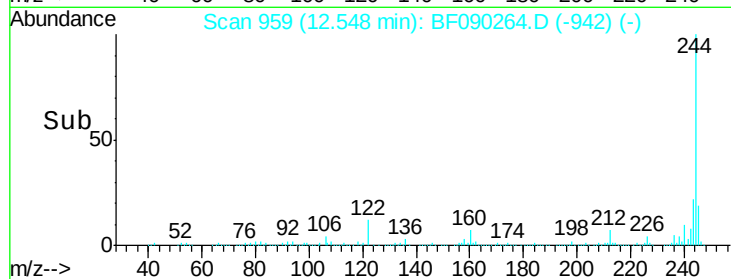
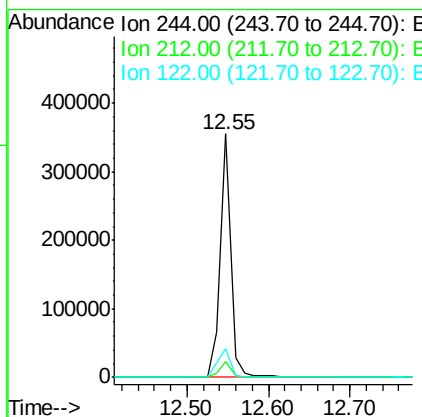
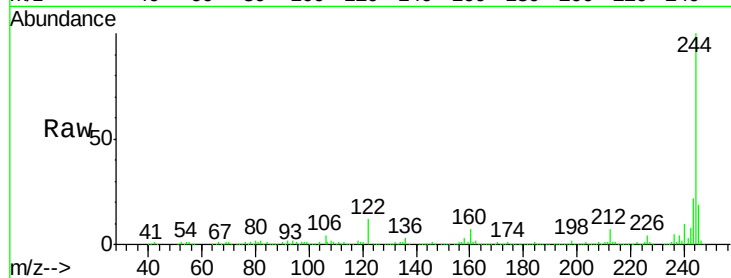
#78
 Terphenyl-d14
 Concen: 28.56 ng
 RT: 12.55 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

Instrument :
 BNA_F
 ClientSampleId :
 S-2-1-LOC-2(0-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	11.9	9.4	14.0

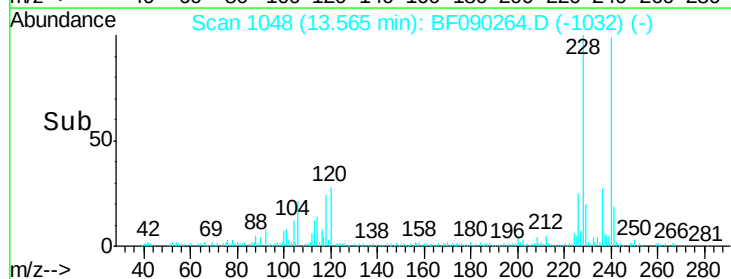
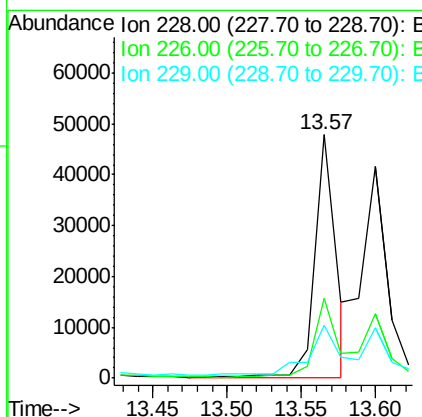
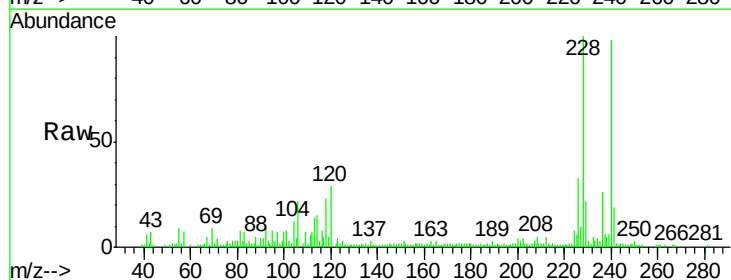
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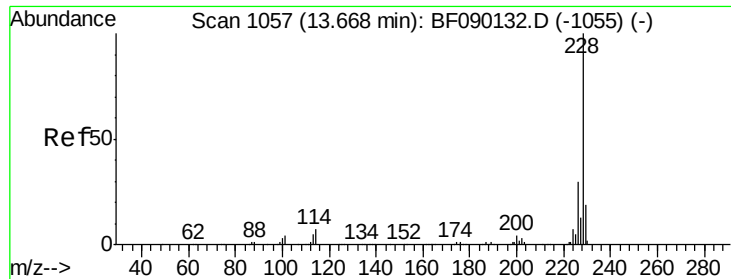
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#80
 Benzo(a)anthracene
 Concen: 3.17 ng m
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF090264.D
 Acq: 27 Sep 2016 20:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.0	33.0
229	21.7	16.2	24.2





#82

Chrysene

Concen: 3.42 ng/mL

RT: 13.60 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

Instrument :

BNA_F

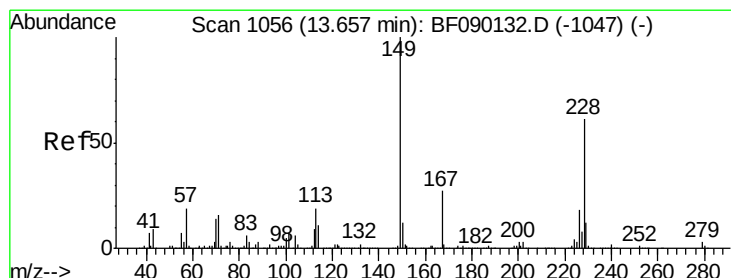
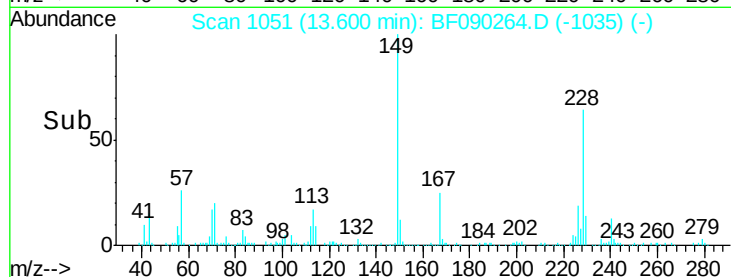
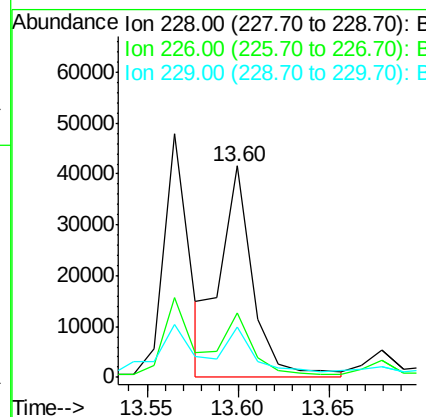
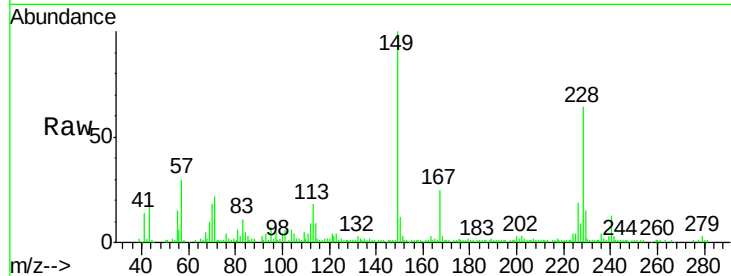
ClientSampleId :

S-2-1-LOC-2(0-5)

Tot Ion:	228	Resp:	51341
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.6	37.0
229	23.7	16.2	24.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 4.63 ng/mL

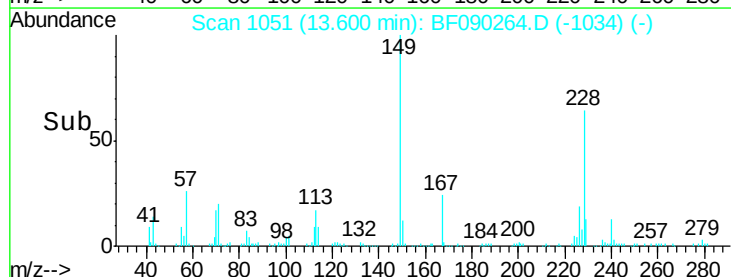
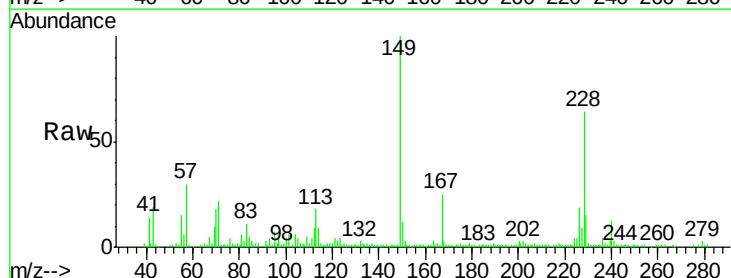
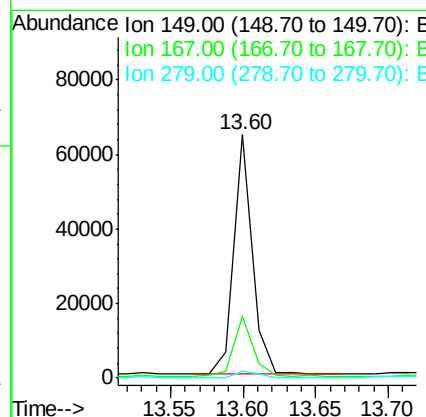
RT: 13.60 min Scan# 1051

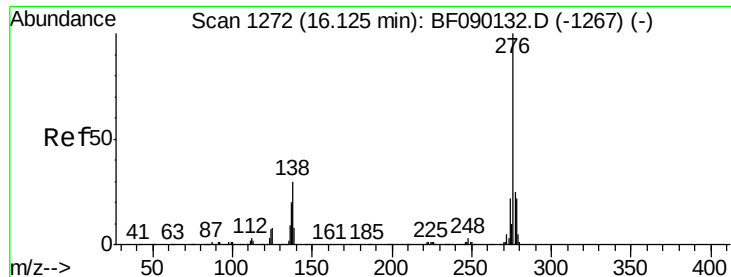
Delta R.T. -0.01 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

Tgt Ion:	149	Resp:	56782
Ion Ratio	Lower	Upper	
149	100		
167	25.5	21.2	31.8
279	2.8	2.2	3.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.26 ng

RT: 16.03 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

Instrument :

BNA_F

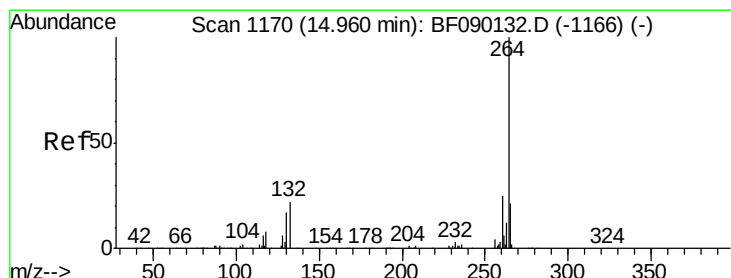
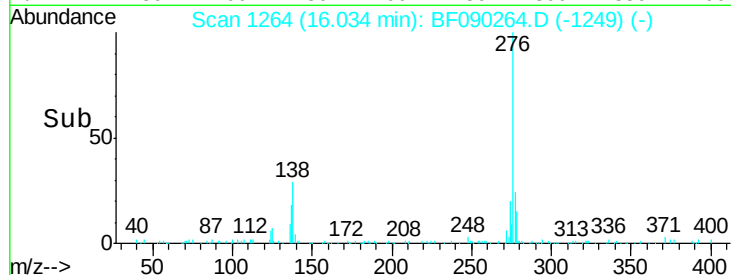
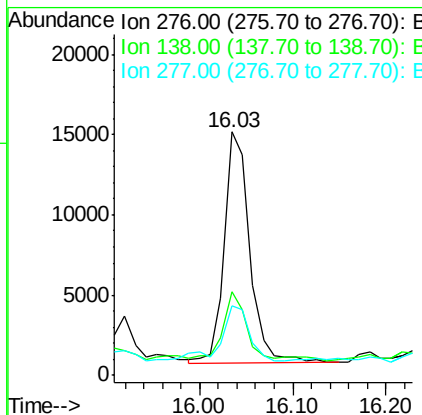
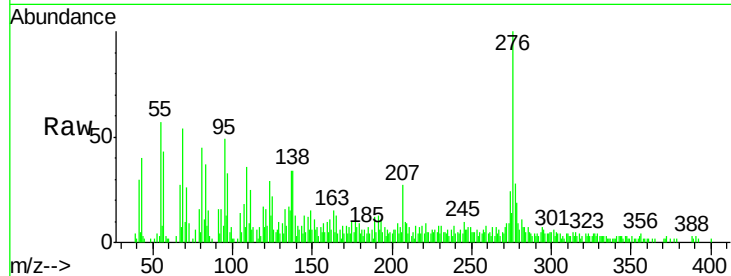
ClientSampled :

S-2-1-LOC-2(0-5)

Tot Ion:	276	Resp:	27474
Ion	Ratio	Lower	Upper
276	100		
138	26.9	25.9	38.9
277	26.2	19.9	29.9

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#86

Perylene-d12

Concen: 20.00 ng

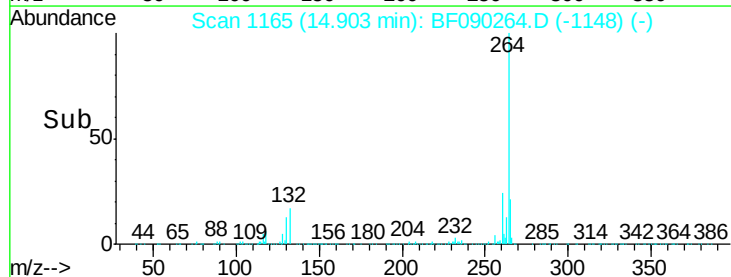
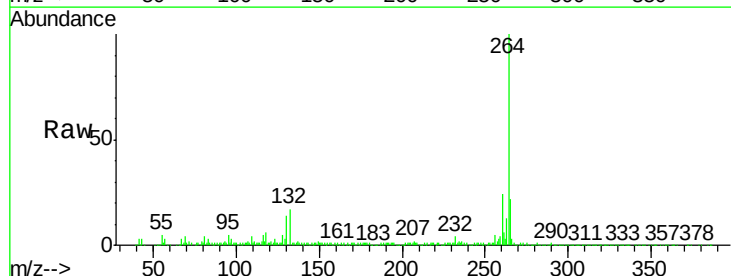
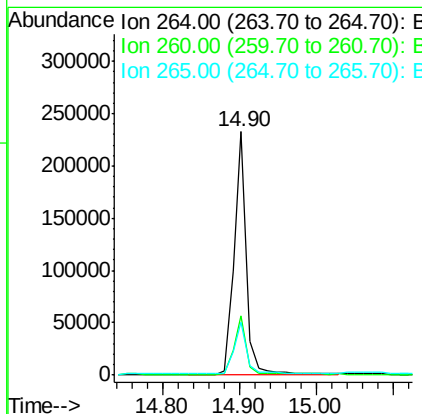
RT: 14.90 min Scan# 1165

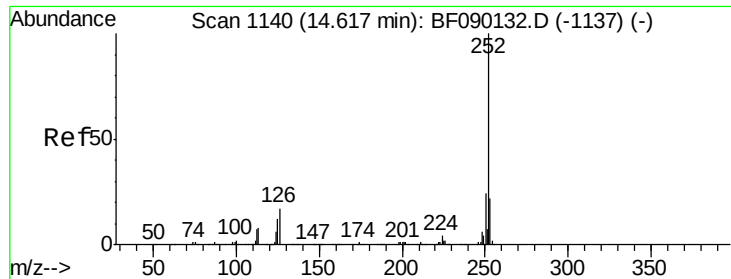
Delta R.T. -0.01 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

Tgt Ion:	264	Resp:	264873
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.8	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 4.60 ng m

RT: 14.56 min Scan# 1135

Delta R.T. -0.01 min

Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

Instrument :

BNA_F

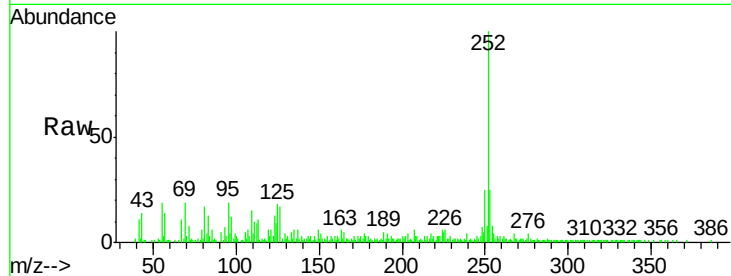
ClientSampleId :

S-2-1-LOC-2(0-5)

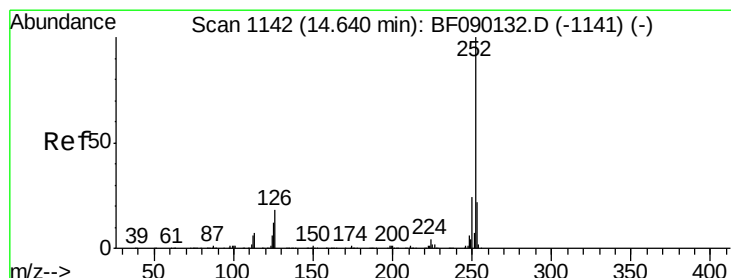
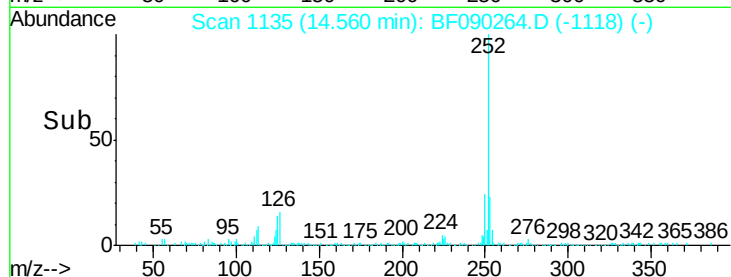
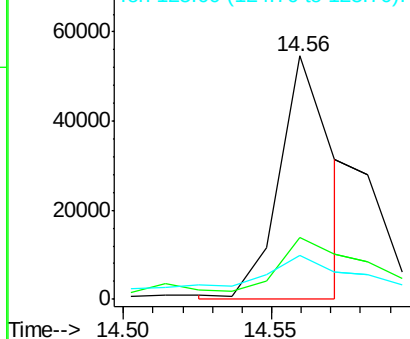
Tot Ion:	252	Resp:	67514
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.9	26.9
125	18.0	12.7	19.1

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



#88

Benzo(k)fluoranthene

Concen: 2.01 ng m

RT: 14.57 min Scan# 1136

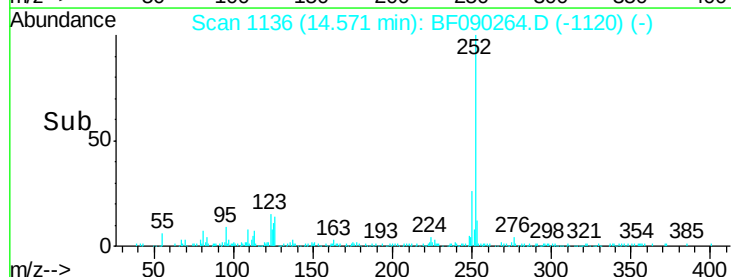
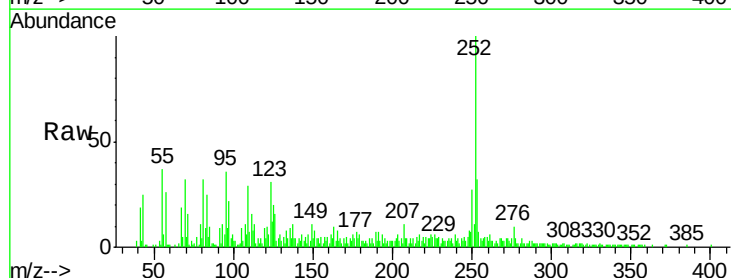
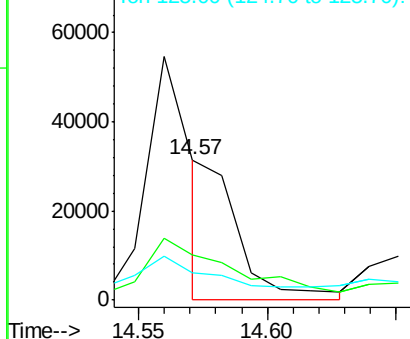
Delta R.T. -0.02 min

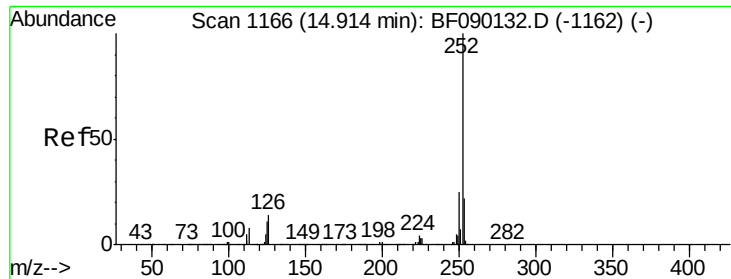
Lab File: BF090264.D

Acq: 27 Sep 2016 20:55

Tgt Ion:	252	Resp:	27635
Ion Ratio	Lower	Upper	
252	100		
253	32.2	17.8	26.8#
125	19.9	7.8	11.6#

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





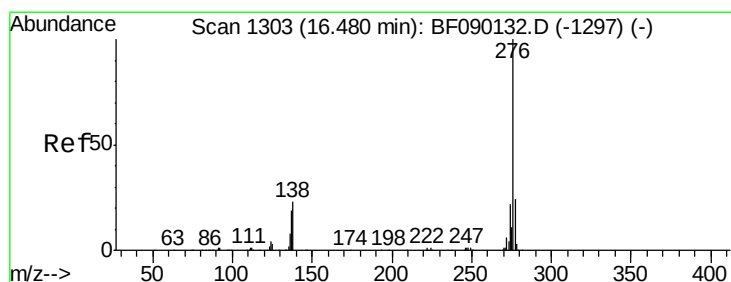
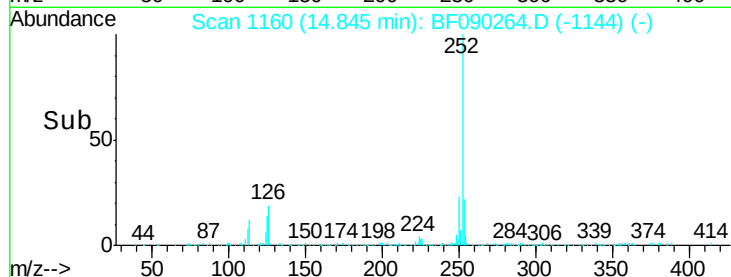
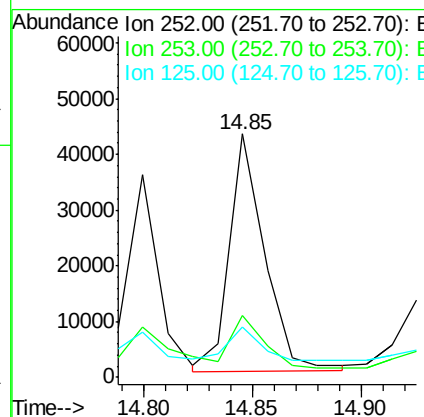
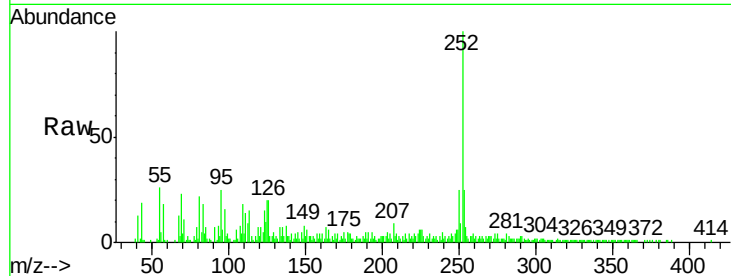
#89
Benzo(a)pyrene
Concen: 3.48 ng
RT: 14.85 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF090264.D
Acq: 27 Sep 2016 20:55

Instrument :
BNA_F
ClientSampleId :
S-2-1-LOC-2(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.4	26.0
125	20.4	7.7	11.5

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#91
Benzo(g,h,i)perylene
Concen: 2.80 ng
RT: 16.38 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF090264.D
Acq: 27 Sep 2016 20:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	18.9	28.3
138	27.7	23.3	34.9

