

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
 Data File : BF089712.D
 Acq On : 10 Aug 2016 23:50
 Operator : UM/SJ
 Sample : H4400-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEL2-BASE(66)

Manual Integrations
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Quant Time: Aug 11 02:19:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 11 01:52:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	49091	20.00	ng	0.00
21) Naphthalene-d8	9.43	136	200762	20.00	ng	-0.01
38) Acenaphthene-d10	12.25	164	84842	20.00	ng	-0.01
63) Phenanthrene-d10	14.64	188	129763	20.00	ng	-0.01
75) Chrysene-d12	18.37	240	104670	20.00	ng	0.00
86) Perylene-d12	20.02	264	98409	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	227056	77.52	ng	0.01
7) Phenol-d6	6.96	99	430660	108.39	ng	-0.01
23) Nitrobenzene-d5	8.32	82	264543	72.88	ng	-0.01
41) 2,4,6-Tribromophenol	13.54	330	8650	12.35	ng	-0.01
44) 2-Fluorobiphenyl	11.21	172	484404	74.20	ng	-0.01
78) Terphenyl-d14	17.02	244	304717	57.47	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	11.90	163	104484	15.71	ng	99
70) Phenanthrene	14.69	178	168289	23.85	ng	98
71) Anthracene	14.77	178	42899	5.67	ng	97
72) Carbazole	15.07	167	15795	2.51	ng	99
74) Fluoranthene	16.46	202	265475	36.60	ng	100
77) Pyrene	16.77	202	234419	25.33	ng	97
80) Benzo(a)anthracene	18.35	228	120299	20.00	ng	99
82) Chrysene	18.39	228	117249	18.58	ng	99
85) Indeno(1,2,3-cd)pyrene	21.21	276	55976	11.68	ng	98
87) Benzo(b)fluoranthene	19.62	252	130326m	21.53	ng	
88) Benzo(k)fluoranthene	19.63	252	62667m	10.26	ng	
89) Benzo(a)pyrene	19.97	252	95465	16.85	ng	# 93
90) Dibenzo(a,h)anthracene	21.21	278	15493	2.93	ng	# 76
91) Benzo(g,h,i)perylene	21.54	276	51332	9.47	ng	95

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

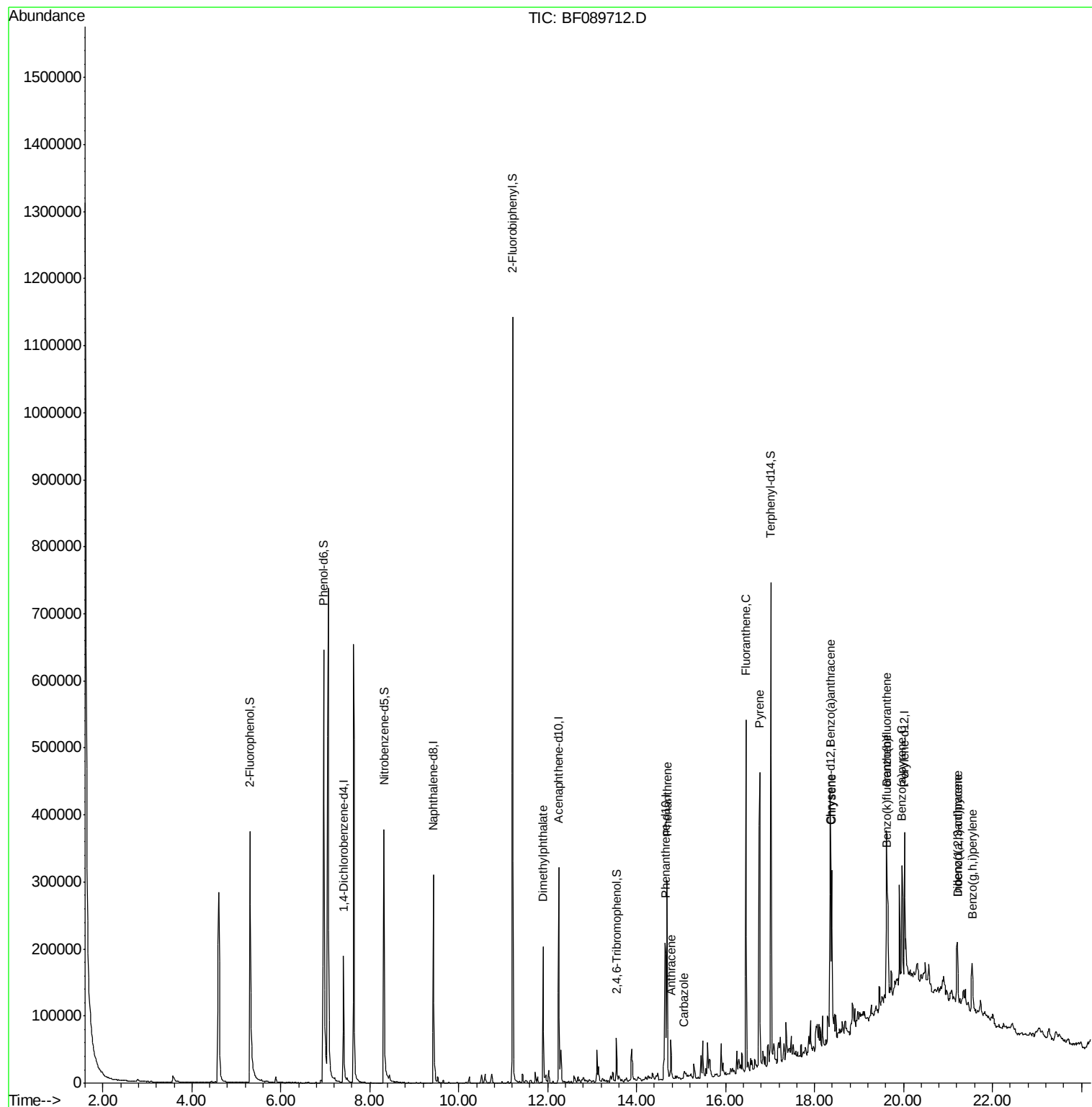
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089712.D
Acq On : 10 Aug 2016 23:50
Operator : UM/SJ
Sample : H4400-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

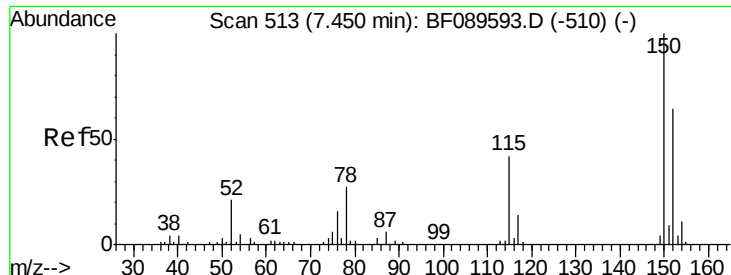
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#1

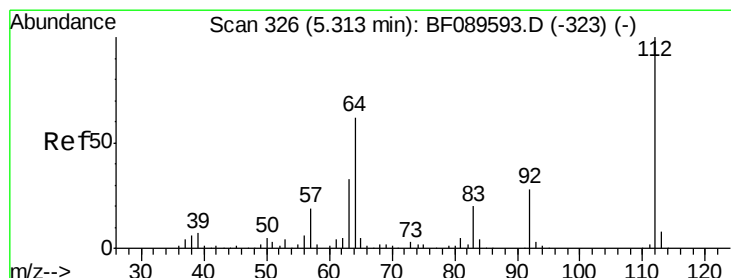
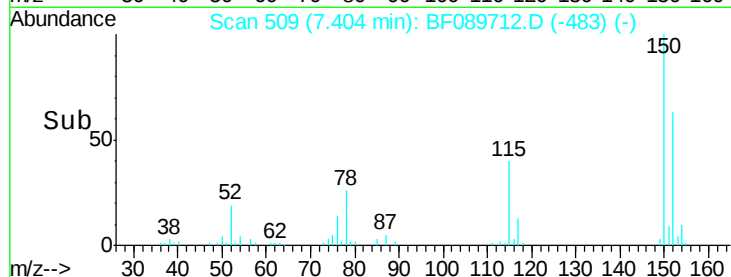
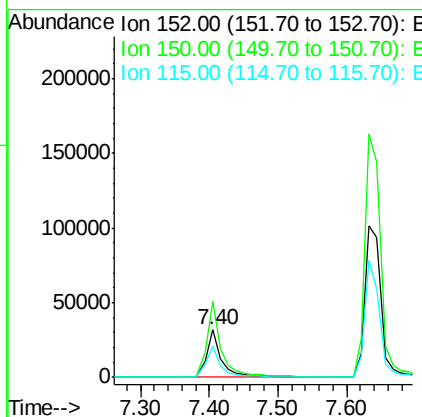
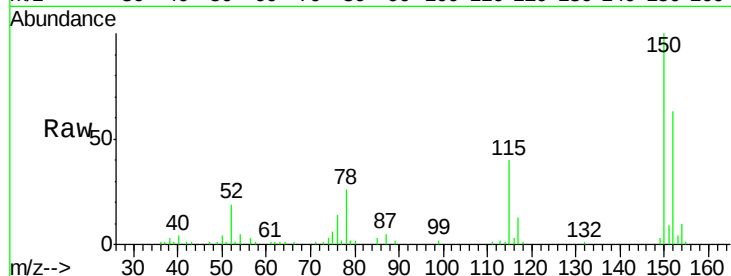
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.40 min Scan# 509
Delta R.T. -0.00 min
Lab File: BF089712.D
Acq: 10 Aug 2016 23:50

Instrument :
BNA_F
ClientSampleId :
DEL2-BASE(66)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.5	125.5	188.3
115	64.4	52.0	78.0

Manual Integrations
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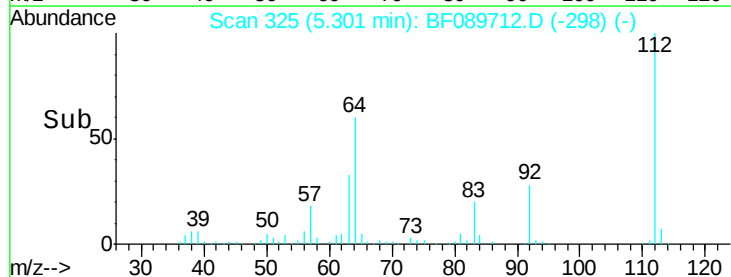
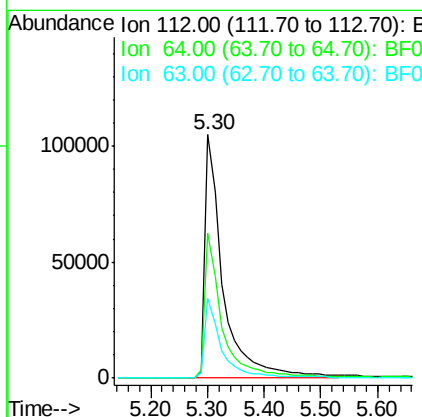
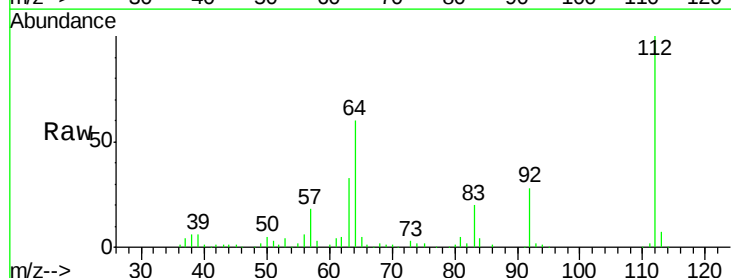
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#5

2-Fluorophenol
Concen: 77.52 ng
RT: 5.30 min Scan# 325
Delta R.T. 0.01 min
Lab File: BF089712.D
Acq: 10 Aug 2016 23:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	49.9	74.9
63	32.9	26.1	39.1





#7

Phenol-d6

Concen: 108.39 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF089712.D

Acq: 10 Aug 2016 23:50

Instrument :

BNA_F

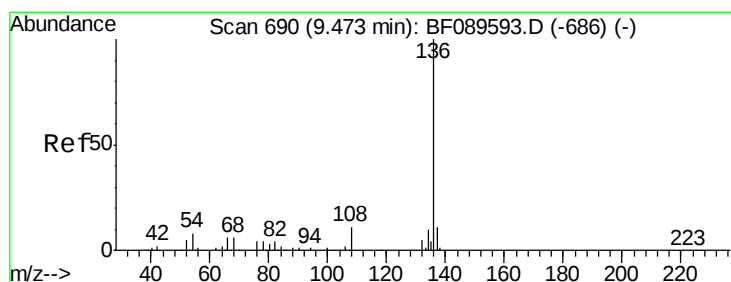
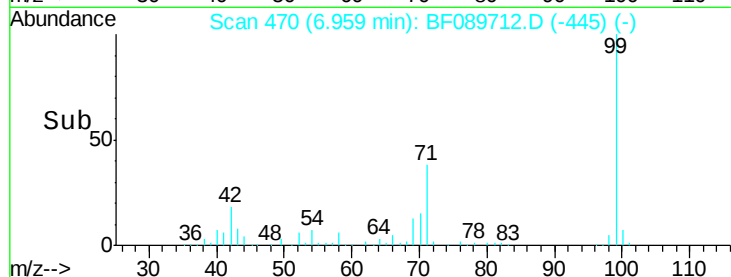
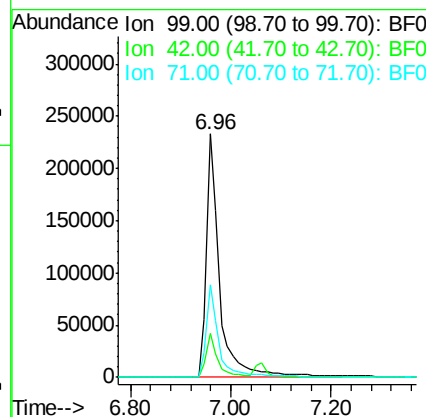
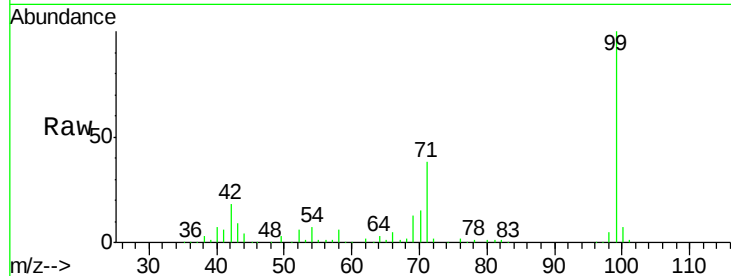
ClientSampleId :

DEL2-BASE(66)

Tgt Ion:	99	Resp:	430660
Ion	Ratio	Lower	Upper
99	100		
42	18.0	13.7	20.5
71	38.0	29.0	43.4

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#21

Naphthalene-d8

Concen: 20.00 ng

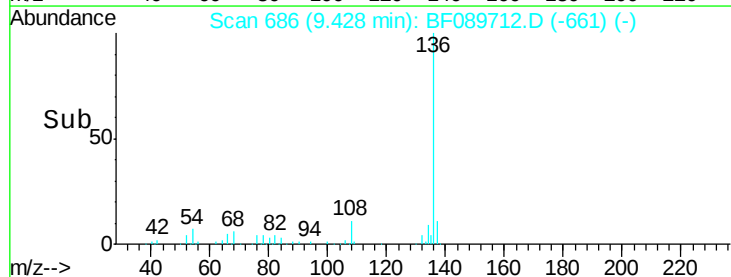
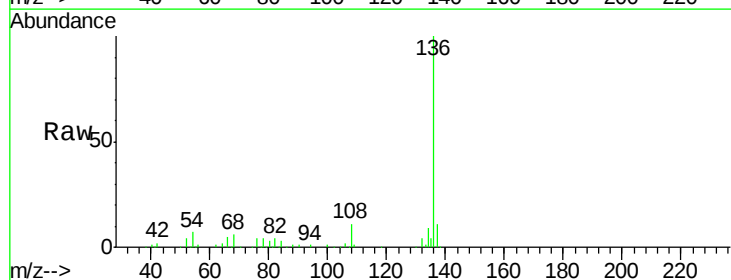
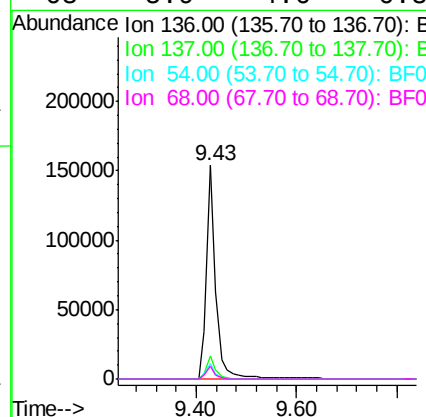
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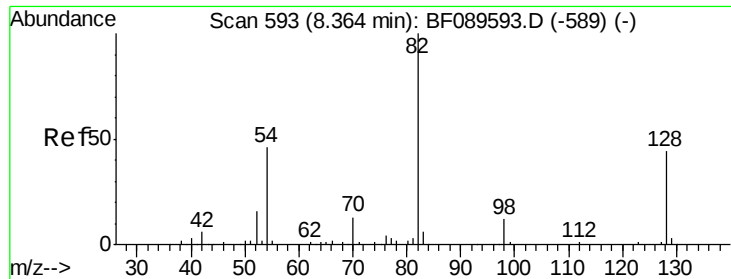
Delta R.T. -0.01 min

Lab File: BF089712.D

Acq: 10 Aug 2016 23:50

Tgt Ion:	136	Resp:	200762
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	7.2	6.0	9.0
68	5.9	4.6	6.8





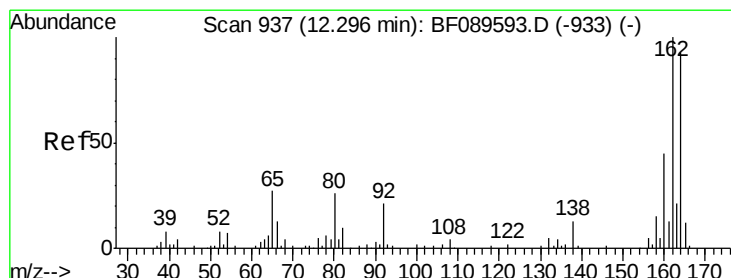
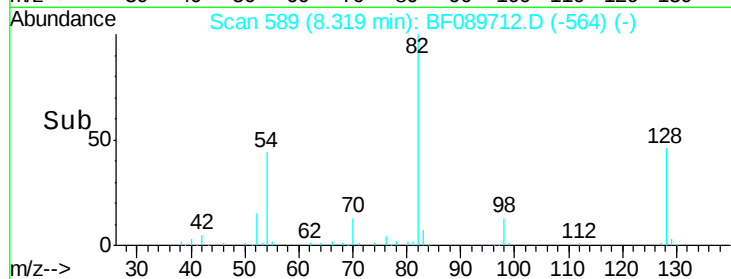
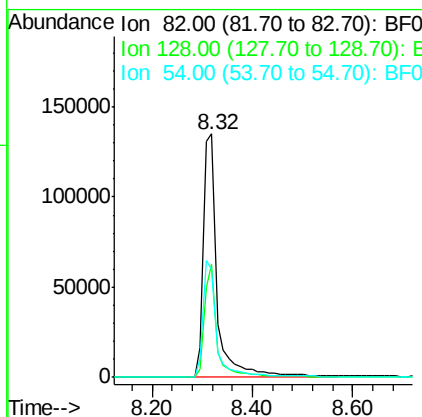
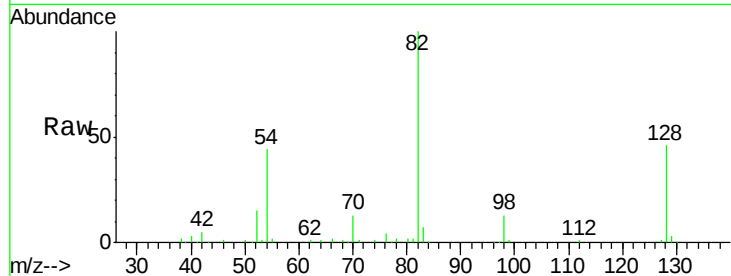
#23
 Nitrobenzene-d5
 Concen: 72.88 ng
 RT: 8.32 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: BF089712.D
 Acq: 10 Aug 2016 23:50

Instrument :
 BNA_F
 ClientSampleId :
 DEL2-BASE(66)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	264543		
128	46.2	35.4	53.0	
54	44.1	36.4	54.6	

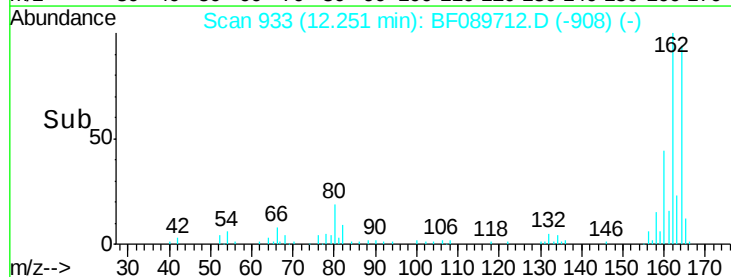
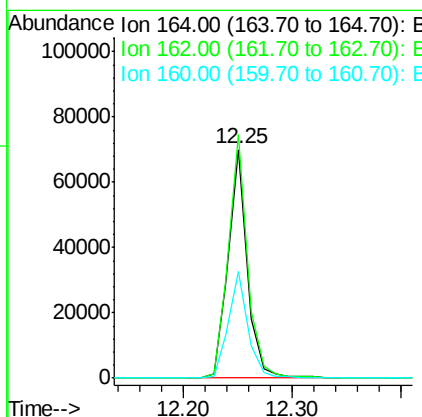
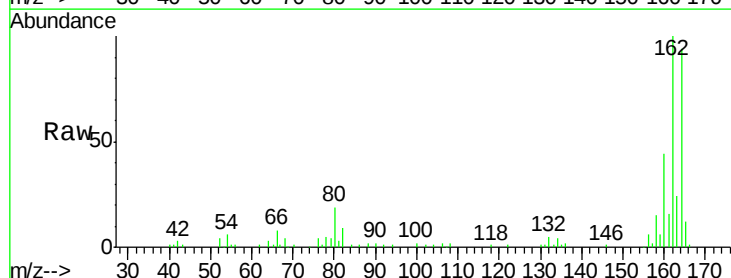
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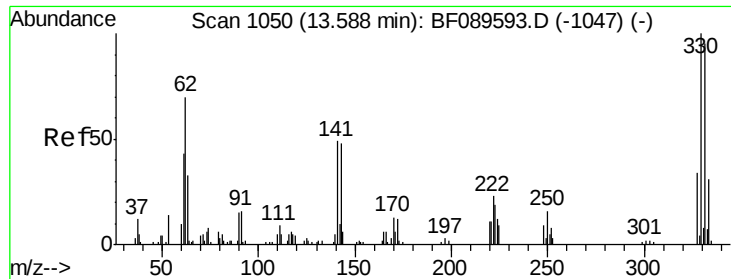
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.25 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF089712.D
 Acq: 10 Aug 2016 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	84842		
162	106.6	85.7	128.5	
160	46.4	38.2	57.4	





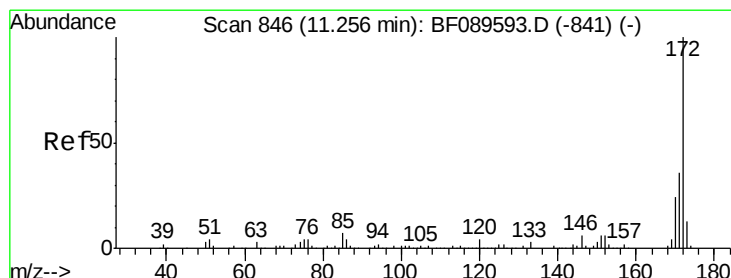
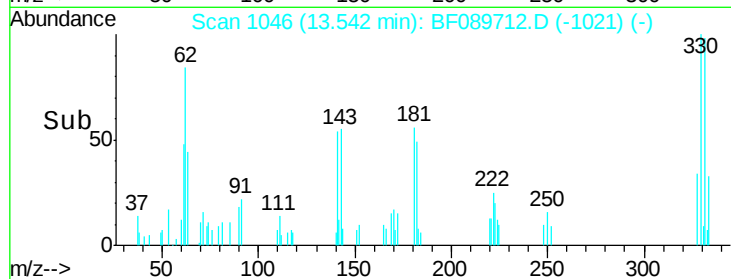
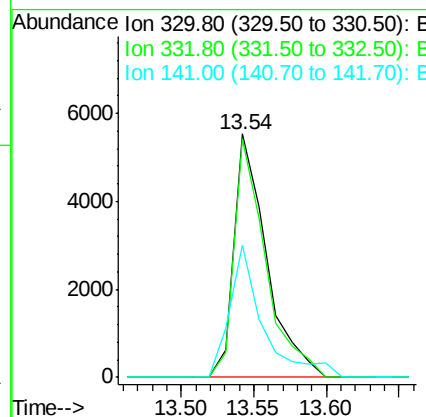
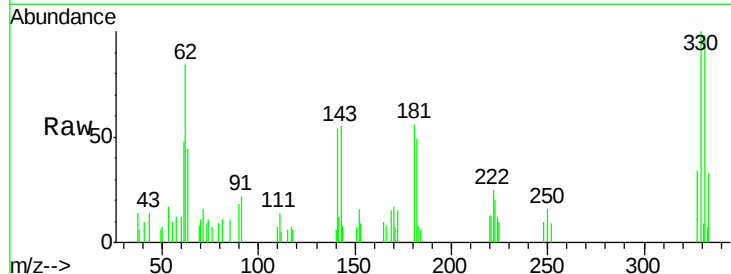
#41
 2,4,6-Tribromophenol
 Concen: 12.35 ng
 RT: 13.54 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BF089712.D
 Acq: 10 Aug 2016 23:50

Instrument :
 BNA_F
 ClientSampleId :
 DEL2-BASE(66)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.0	115.6
141	55.6	38.6	57.8

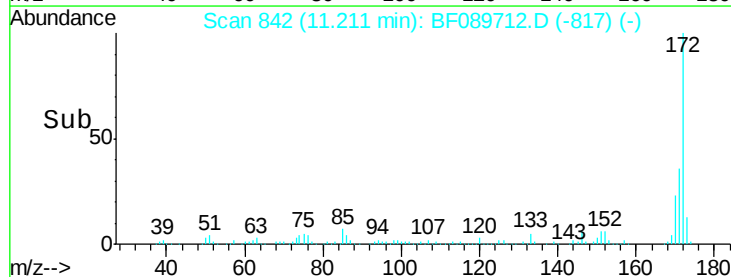
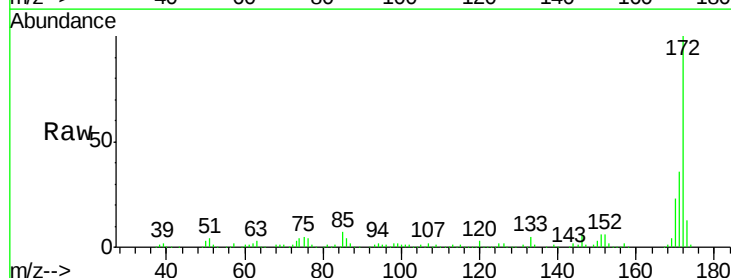
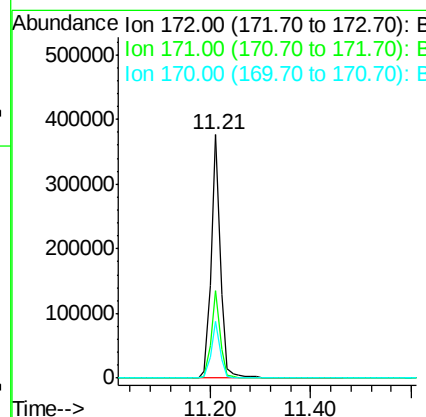
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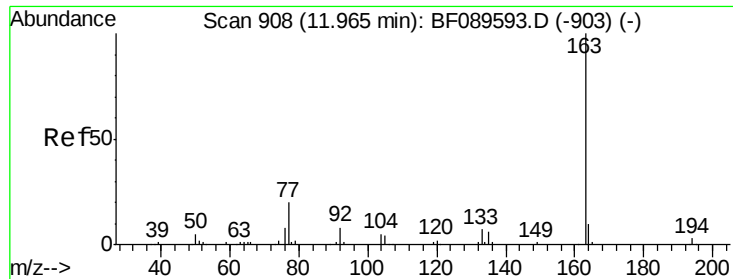
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#44
 2-Fluorobiphenyl
 Concen: 74.20 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF089712.D
 Acq: 10 Aug 2016 23:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.9	43.3
170	23.3	19.0	28.6





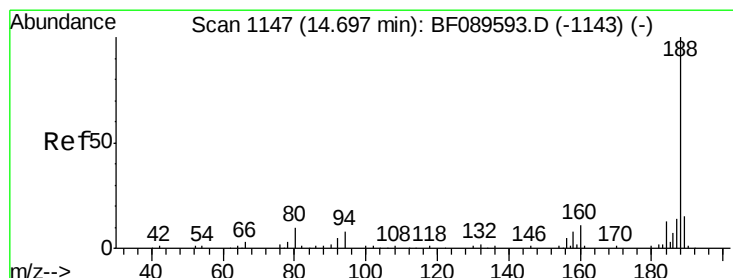
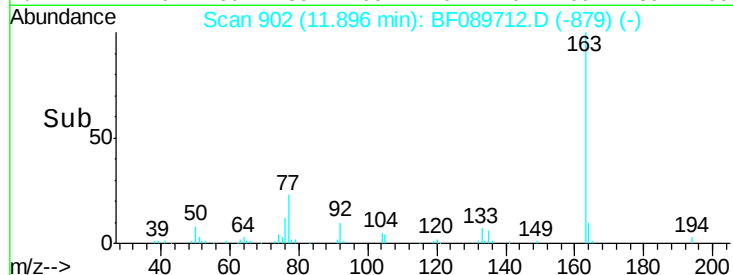
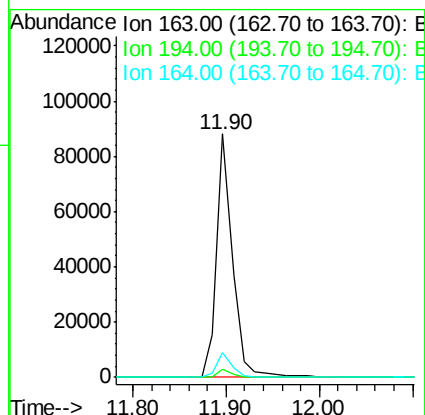
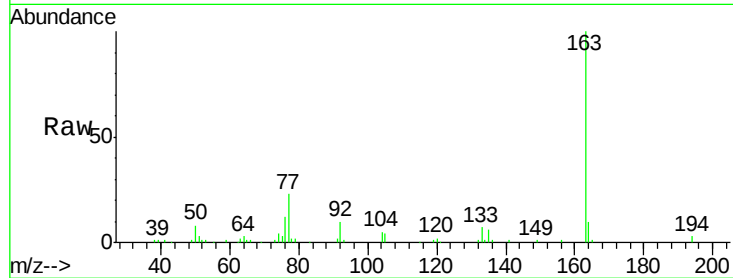
#49
Dimethylphthalate
Concen: 15.71 ng
RT: 11.90 min Scan# 902
Delta R.T. -0.03 min
Lab File: BF089712.D
Acq: 10 Aug 2016 23:50

Instrument :
BNA_F
ClientSampleId :
DEL2-BASE(66)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	104484		
194	3.2	2.7	4.1	
164	10.1	7.8	11.6	

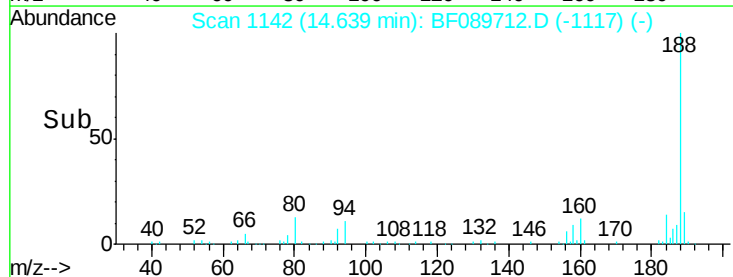
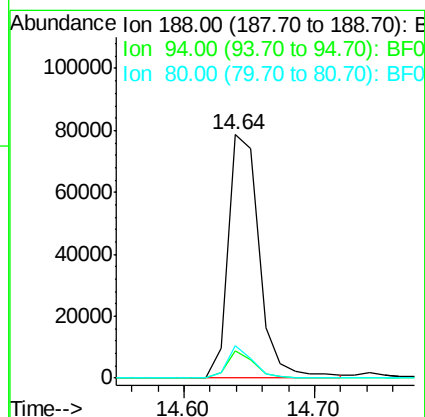
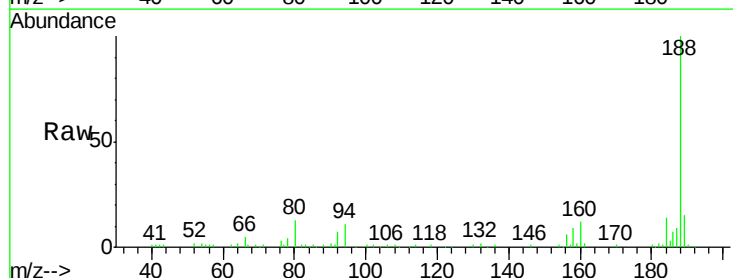
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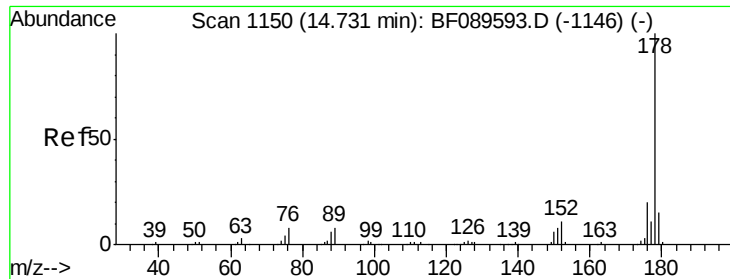
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089712.D
Acq: 10 Aug 2016 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	129763		
94	11.2	6.5	9.7#	
80	13.3	8.0	12.0#	





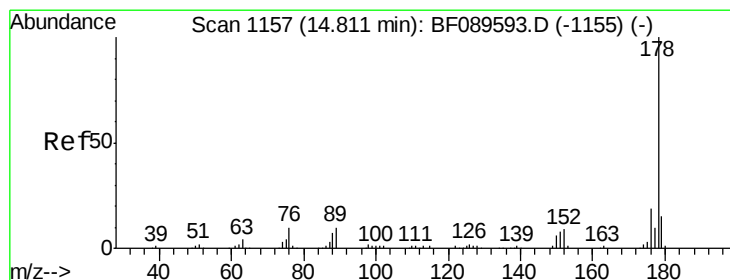
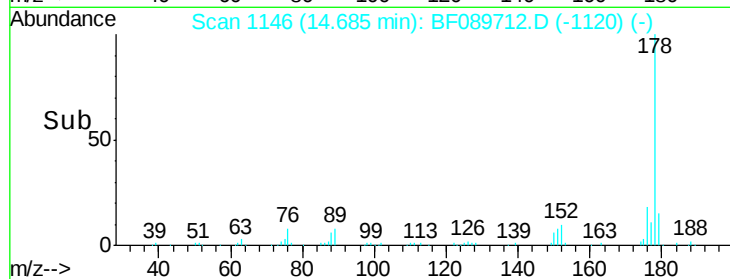
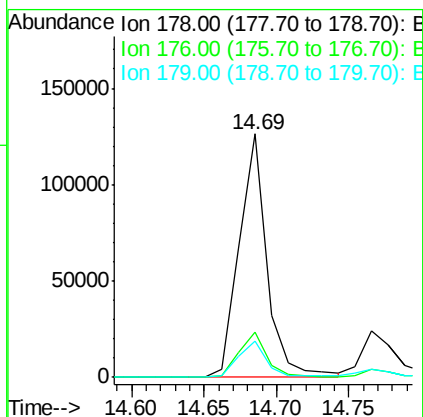
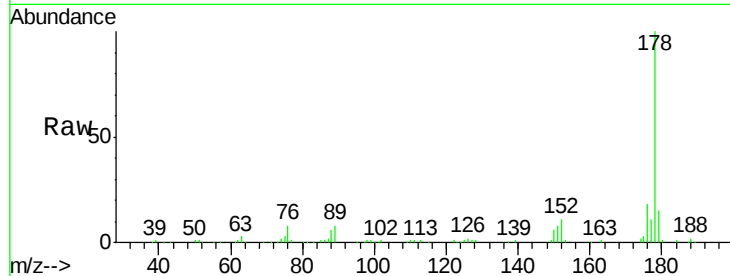
#70
Phenanthrene
Concen: 23.85 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.00 min
Lab File: BF089712.D
Acq: 10 Aug 2016 23:50

Instrument :
BNA_F
ClientSampleId :
DEL2-BASE(66)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.7	23.5
179	15.0	12.2	18.2

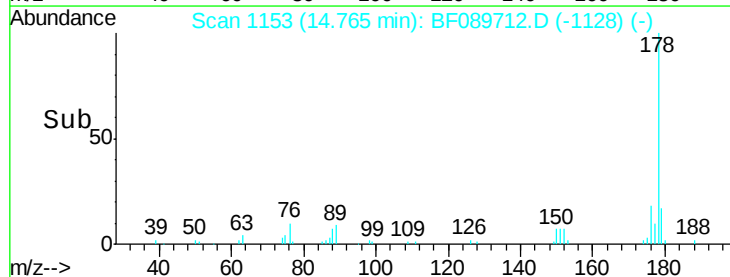
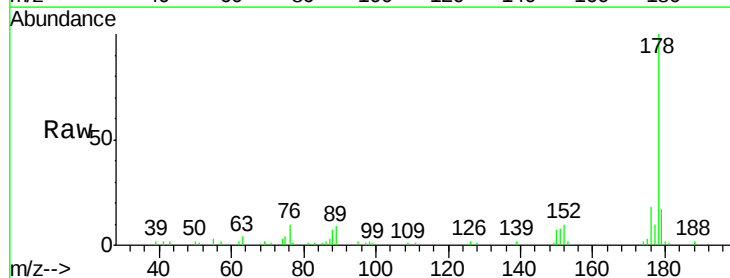
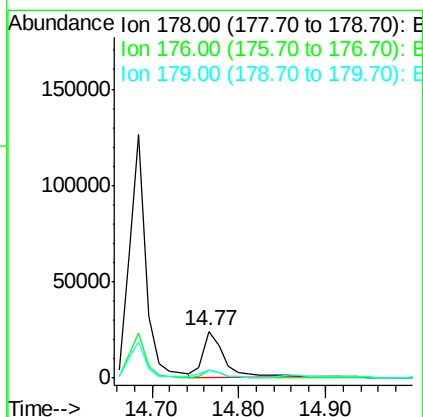
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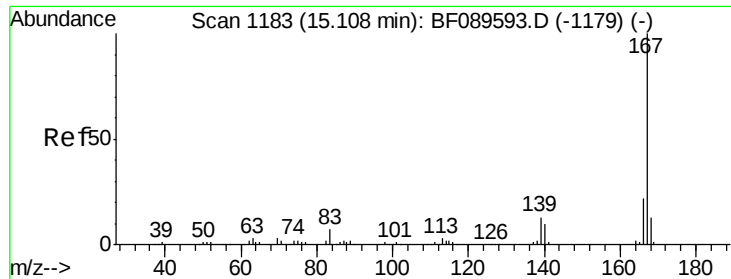
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#71
Anthracene
Concen: 5.67 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF089712.D
Acq: 10 Aug 2016 23:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.0	22.4
179	17.1	12.4	18.6





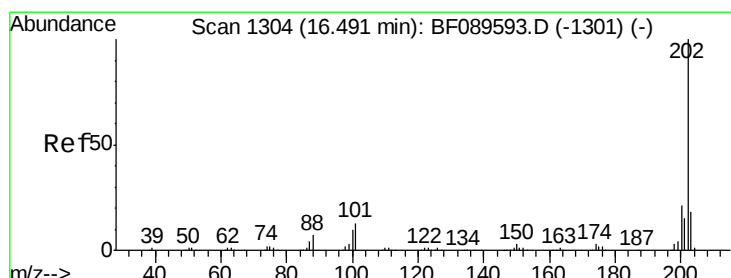
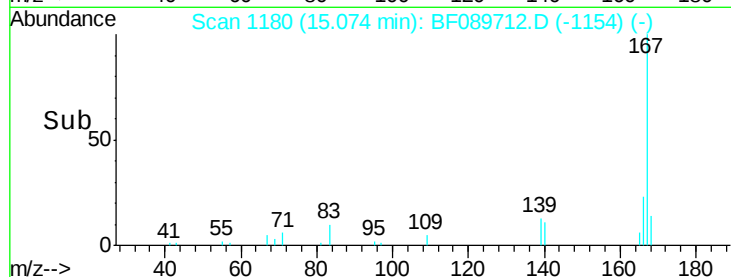
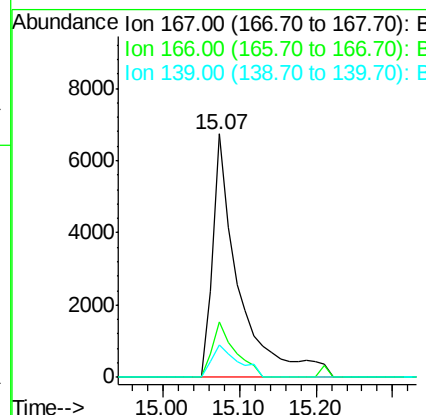
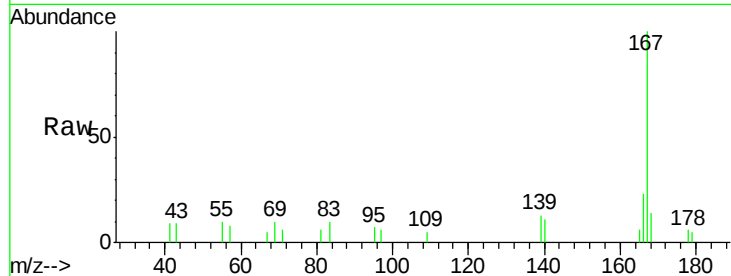
#72
 Carbazole
 Concen: 2.51 ng
 RT: 15.07 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BF089712.D
 Acq: 10 Aug 2016 23:50

Instrument :
 BNA_F
 ClientSampleId :
 DEL2-BASE(66)

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	15795		
166	22.5		17.5	26.3
139	13.5		10.4	15.6

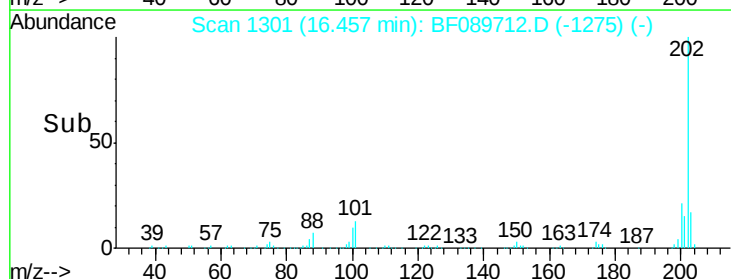
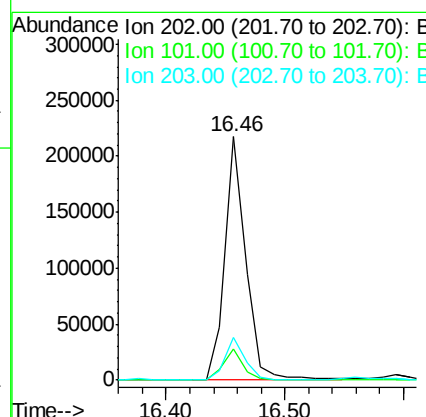
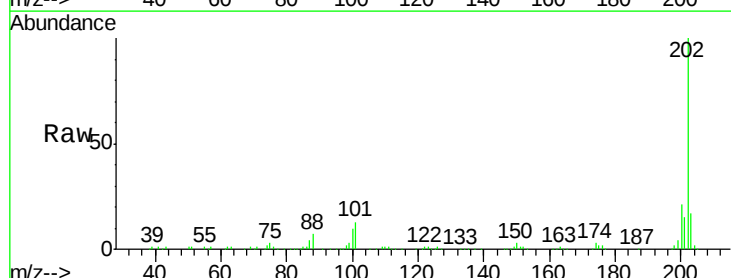
Manual Integrations
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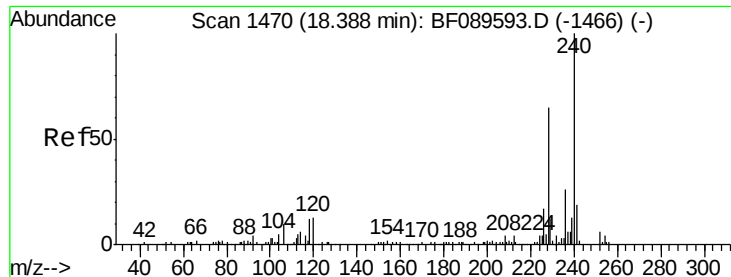
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#74
 Fluoranthene
 Concen: 36.60 ng
 RT: 16.46 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BF089712.D
 Acq: 10 Aug 2016 23:50

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	265475		
101	12.7		0.0	32.7
203	17.4		0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.37 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BF089712.D

Acq: 10 Aug 2016 23:50

Instrument :

BNA_F

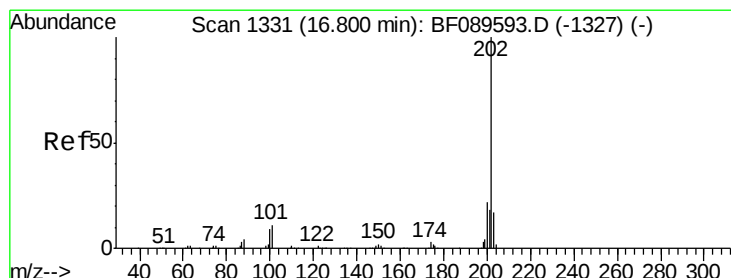
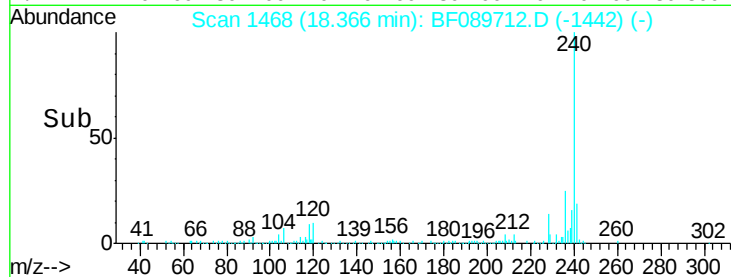
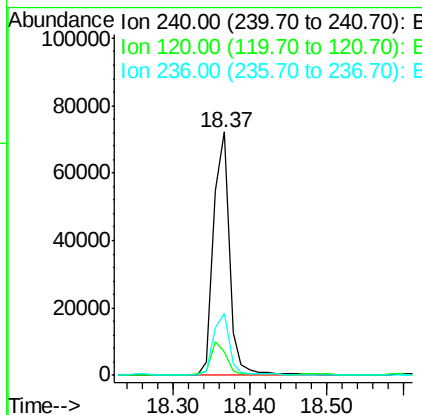
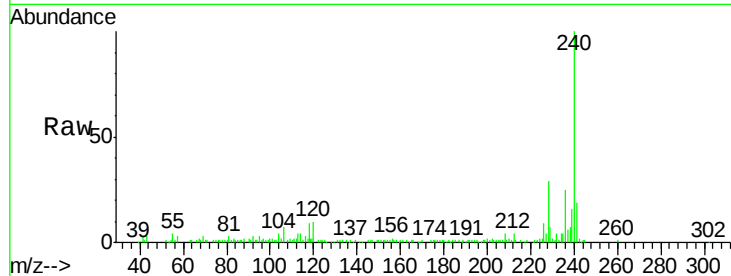
ClientSampleId :

DEL2-BASE(66)

Tgt Ion:	240	Resp:	104670
Ion Ratio		Lower	Upper
240	100		
120	9.6	10.6	15.8#
236	25.3	20.6	30.8

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#77

Pyrene

Concen: 25.33 ng

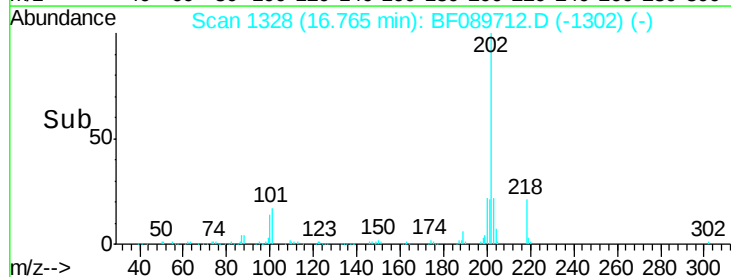
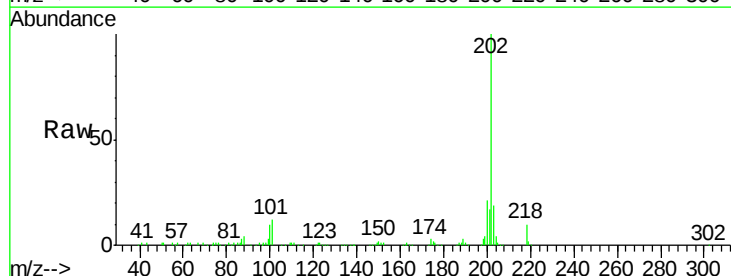
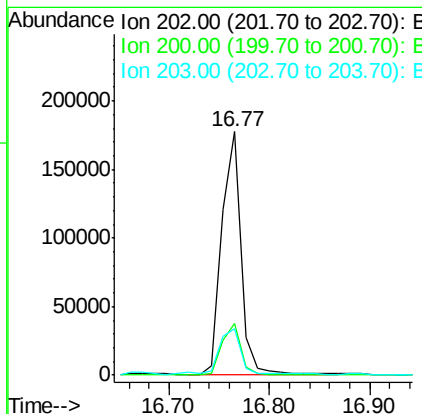
RT: 16.77 min Scan# 1328

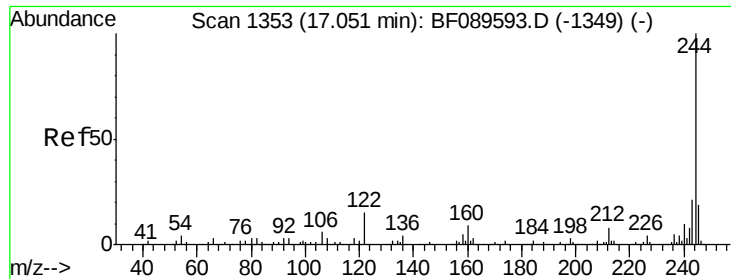
Delta R.T. -0.00 min

Lab File: BF089712.D

Acq: 10 Aug 2016 23:50

Tgt Ion:	202	Resp:	234419
Ion Ratio		Lower	Upper
202	100		
200	21.0	17.4	26.0
203	19.0	13.6	20.4





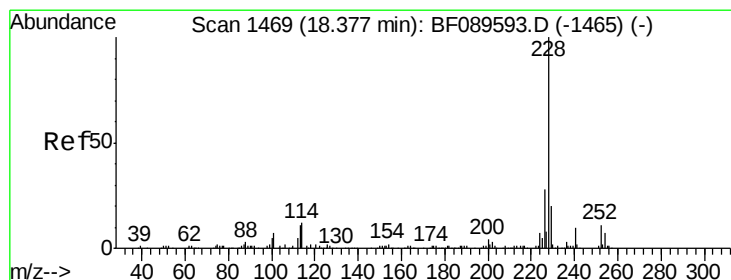
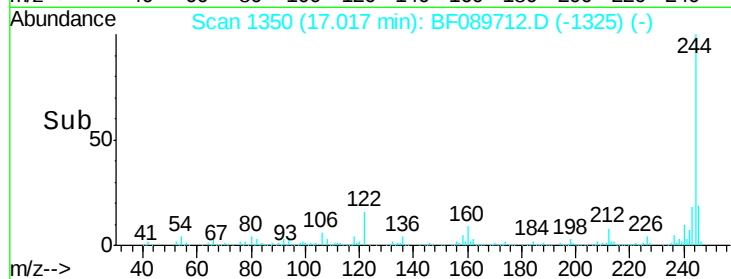
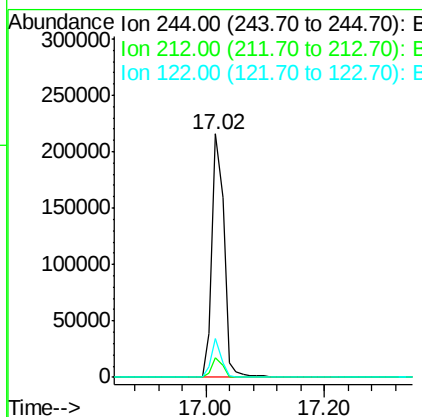
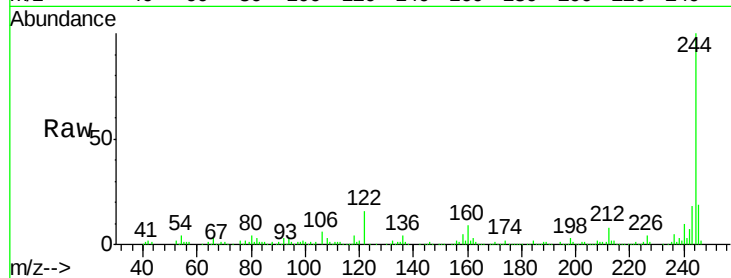
#78
 Terphenyl-d14
 Concen: 57.47 ng
 RT: 17.02 min Scan# 1350
 Delta R.T. -0.01 min
 Lab File: BF089712.D
 Acq: 10 Aug 2016 23:50

Instrument :
 BNA_F
 ClientSampleId :
 DEL2-BASE(66)

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.0	6.4	9.6
122	15.7	12.2	18.2

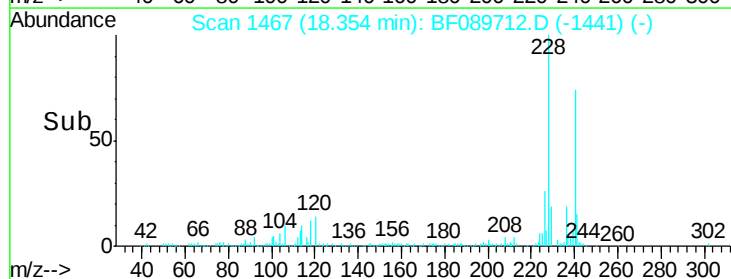
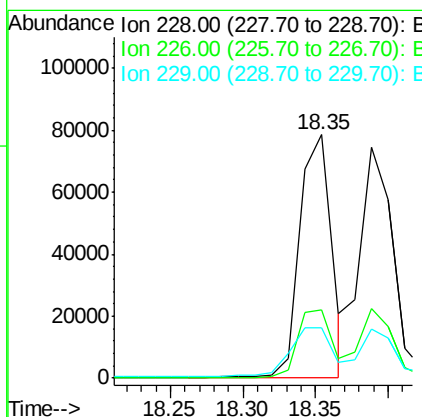
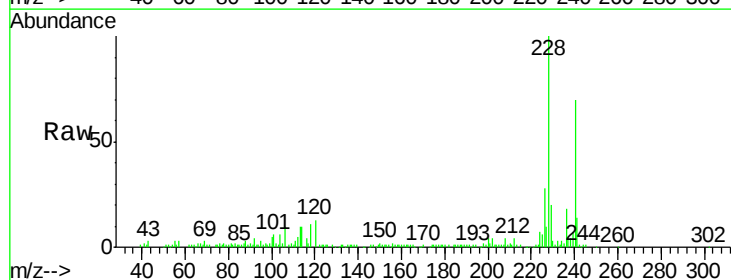
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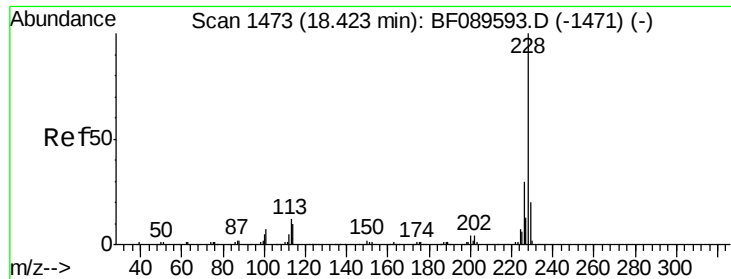
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#80
 Benzo(a)anthracene
 Concen: 20.00 ng
 RT: 18.35 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF089712.D
 Acq: 10 Aug 2016 23:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.9	22.3	33.5
229	20.4	15.9	23.9





#82

Chrysene

Concen: 18.58 ng

RT: 18.39 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BF089712.D

Acq: 10 Aug 2016 23:50

Instrument :

BNA_F

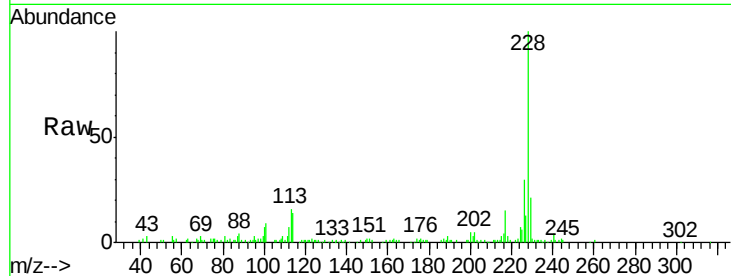
ClientSampleId :

DEL2-BASE(66)

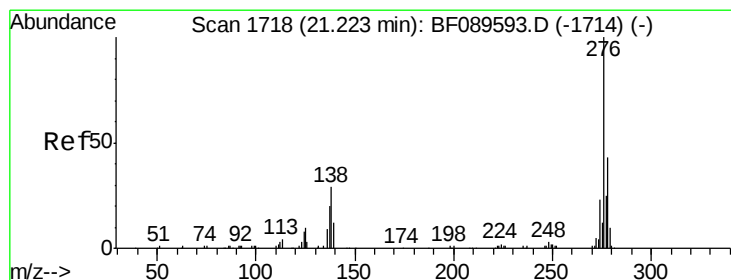
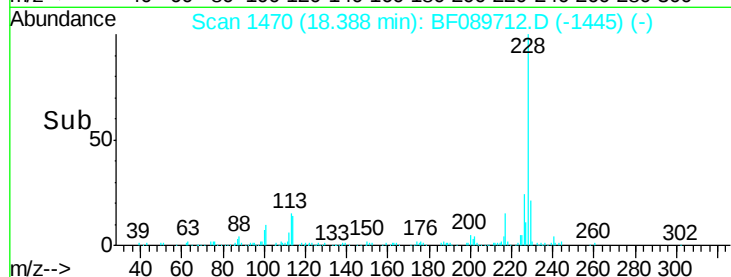
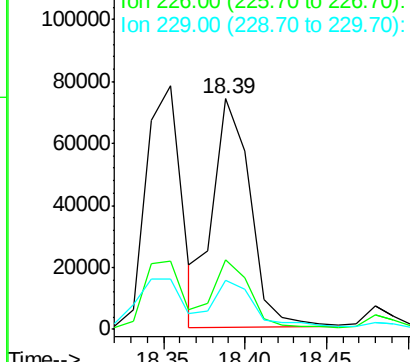
Tgt Ion:	228	Resp:	117249
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.2	36.2
229	21.4	16.0	24.0

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 11.68 ng

RT: 21.21 min Scan# 1717

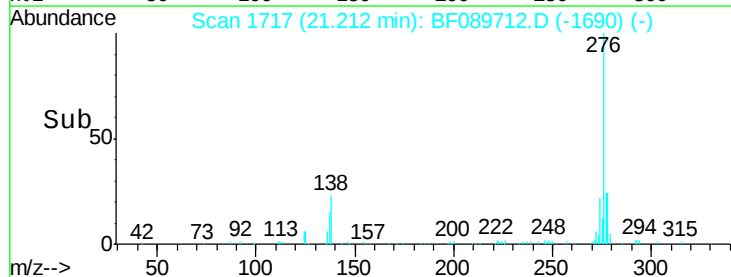
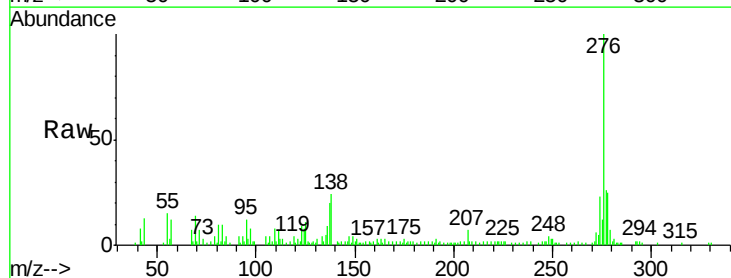
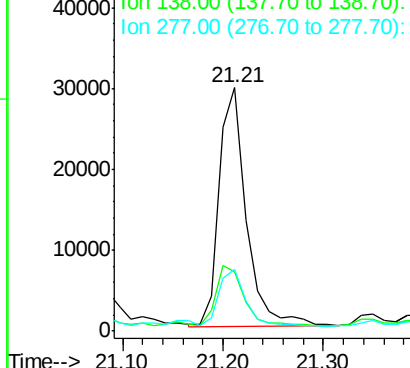
Delta R.T. 0.01 min

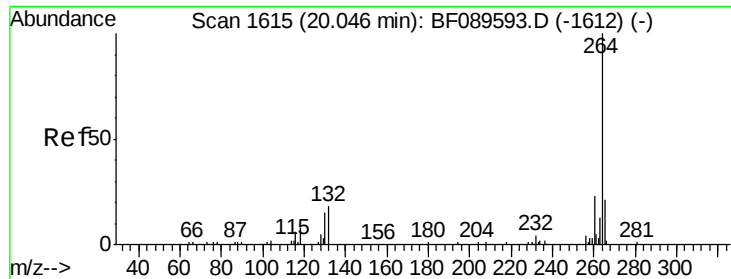
Lab File: BF089712.D

Acq: 10 Aug 2016 23:50

Tgt Ion:	276	Resp:	55976
Ion Ratio	Lower	Upper	
276	100		
138	29.2	23.8	35.8
277	24.0	20.3	30.5

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





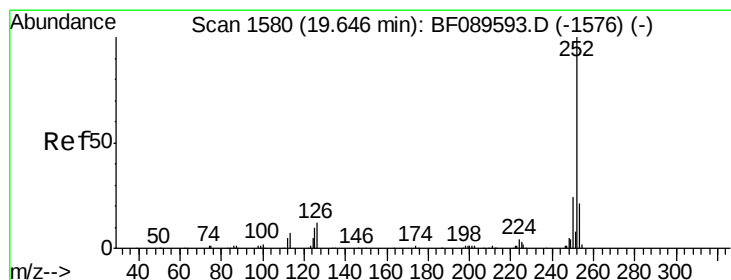
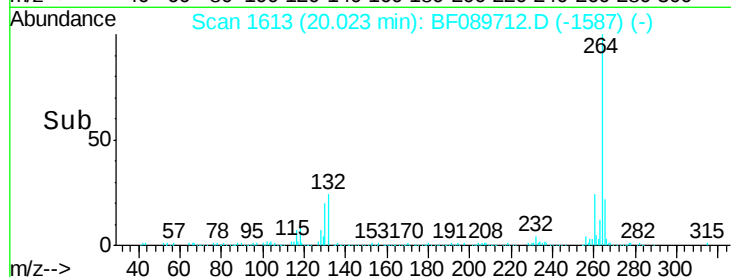
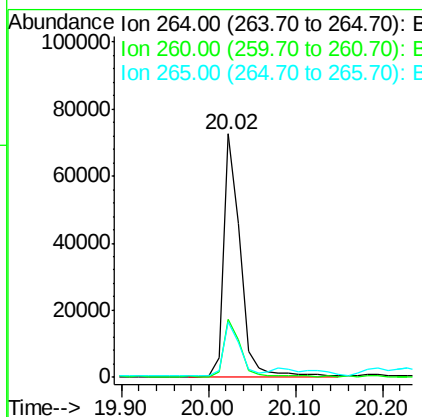
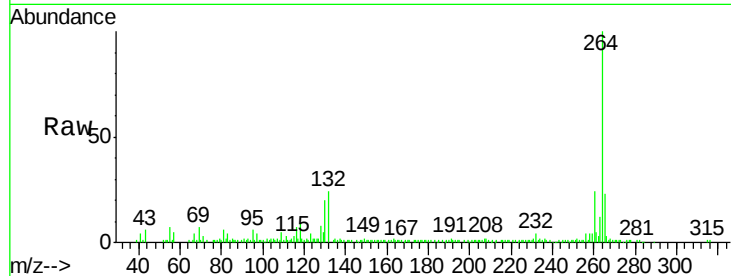
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 1613
Delta R.T. -0.00 min
Lab File: BF089712.D
Acq: 10 Aug 2016 23:50

Instrument :
BNA_F
ClientSampleId :
DEL2-BASE(66)

Tgt Ion:	264	Resp:	98409
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.7	28.1
265	22.5	16.5	24.7

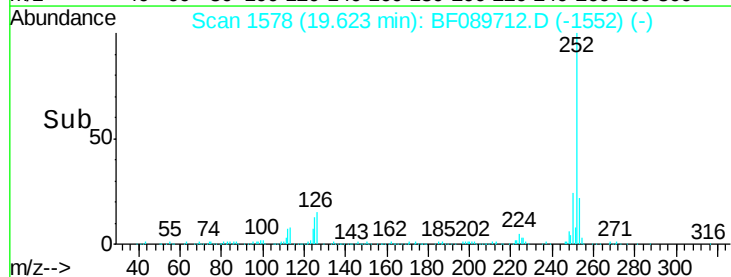
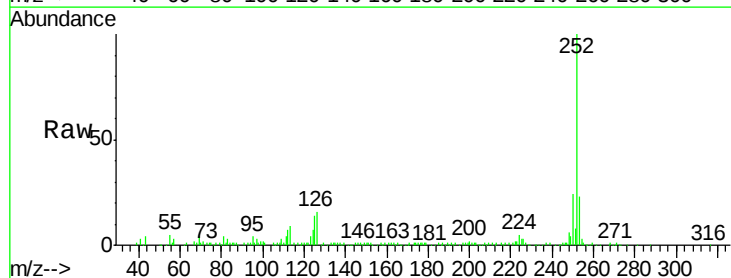
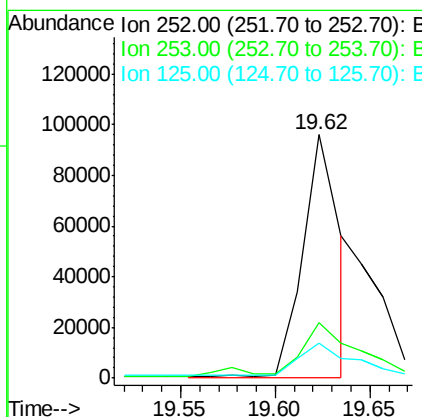
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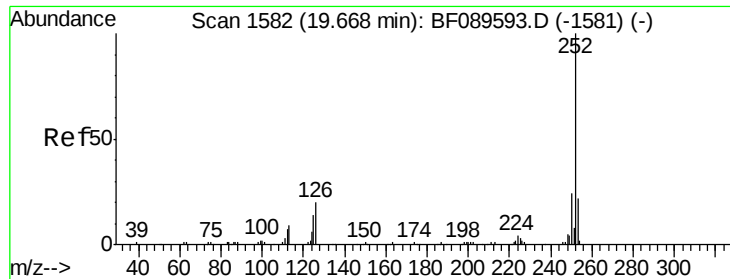
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#87
Benzo(b)fluoranthene
Concen: 21.53 ng m
RT: 19.62 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF089712.D
Acq: 10 Aug 2016 23:50

Tgt Ion:	252	Resp:	130326
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.1	25.7
125	14.3	7.8	11.8#





#88

Benzo(k)fluoranthene

Concen: 10.26 ng m

RT: 19.63 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF089712.D

Acq: 10 Aug 2016 23:50

Instrument :

BNA_F

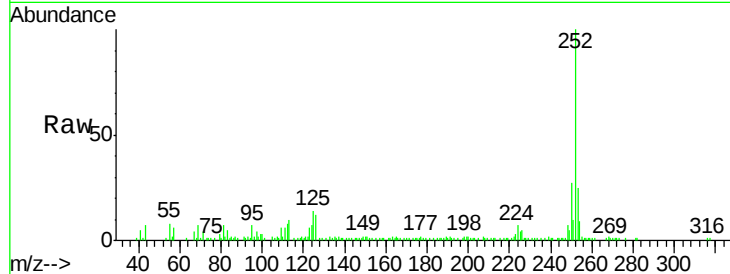
ClientSampleId :

DEL2-BASE(66)

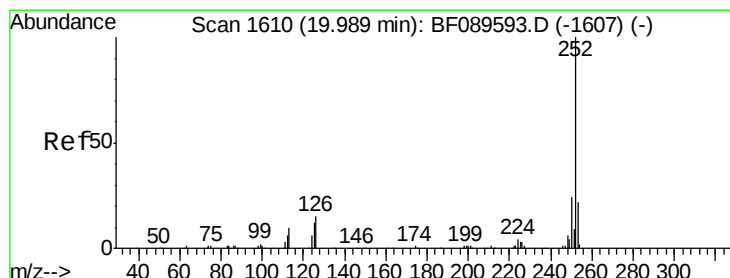
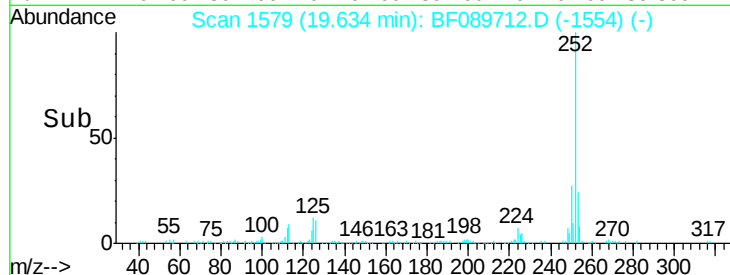
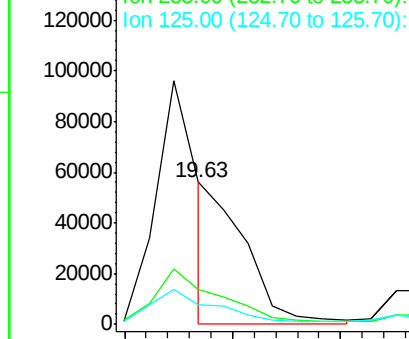
Tgt Ion:	252	Resp:	62667
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.3	25.9
125	13.6	11.0	16.6

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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



#89

Benzo(a)pyrene

Concen: 16.85 ng

RT: 19.97 min Scan# 1608

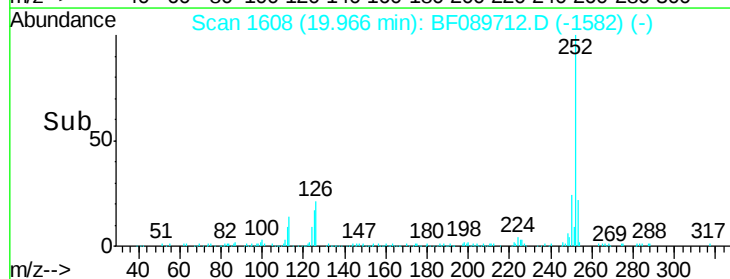
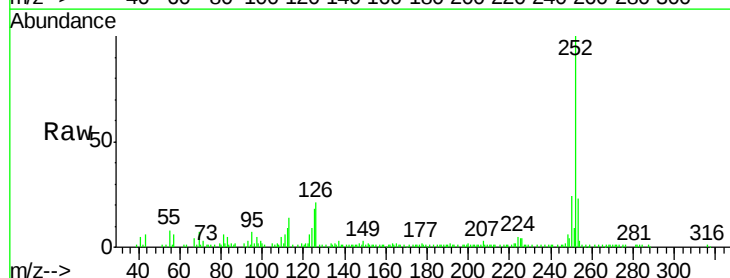
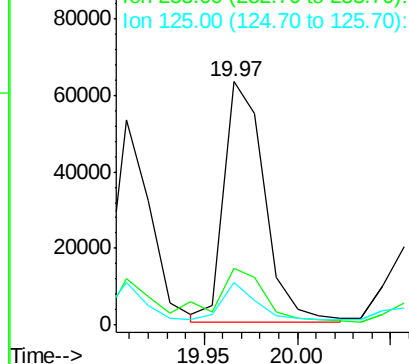
Delta R.T. -0.00 min

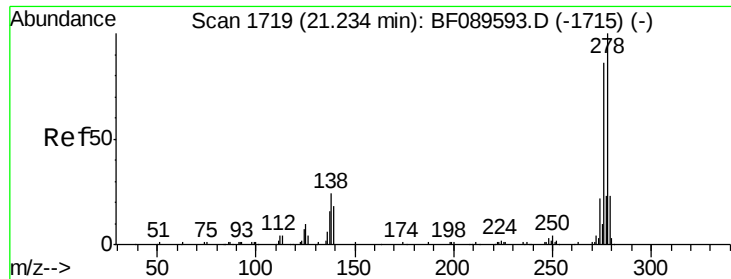
Lab File: BF089712.D

Acq: 10 Aug 2016 23:50

Tgt Ion:	252	Resp:	95465
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.4	26.0
125	17.6	9.9	14.9#

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





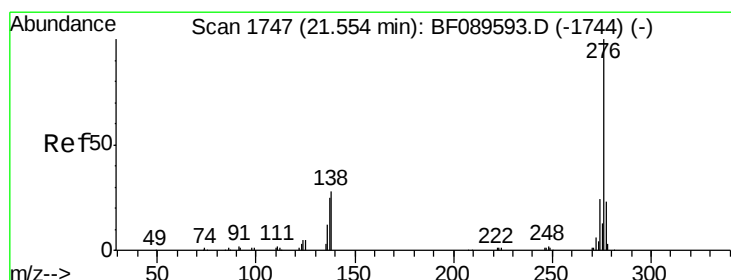
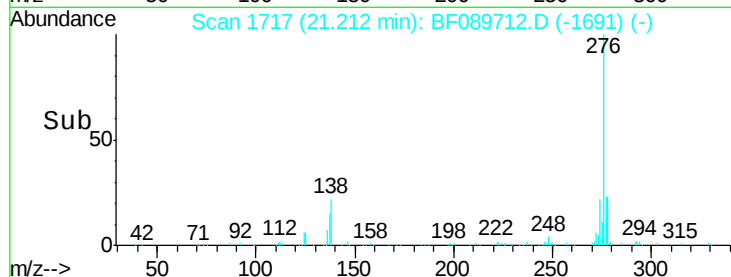
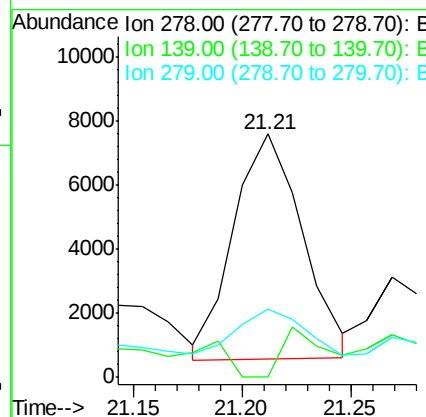
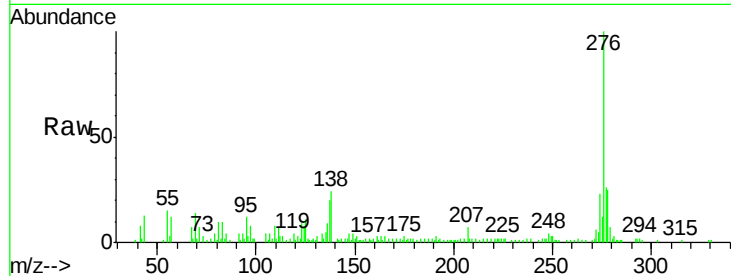
#90
Dibenzo(a,h)anthracene
Concen: 2.93 ng
RT: 21.21 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BF089712.D
Acq: 10 Aug 2016 23:50

Instrument :
BNA_F
ClientSampleId :
DEL2-BASE(66)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.6	21.8#
279	28.1	18.4	27.6#

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#91
Benzo(g,h,i)perylene
Concen: 9.47 ng
RT: 21.54 min Scan# 1746
Delta R.T. 0.01 min
Lab File: BF089712.D
Acq: 10 Aug 2016 23:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.6	28.0
138	25.5	22.6	33.8

