

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
 Data File : BF089709.D
 Acq On : 10 Aug 2016 22:15
 Operator : UM/SJ
 Sample : H4400-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEL1(0-6)

Manual Integrations
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Quant Time: Aug 11 02:09:56 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	48376	20.00	ng	0.00
21) Naphthalene-d8	9.43	136	199904	20.00	ng	-0.01
38) Acenaphthene-d10	12.25	164	88497	20.00	ng	-0.01
63) Phenanthrene-d10	14.64	188	138960	20.00	ng	-0.01
75) Chrysene-d12	18.35	240	106882	20.00	ng	-0.01
86) Perylene-d12	20.03	264	99476	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	287606	99.65	ng	0.00
7) Phenol-d6	6.96	99	408440	104.31	ng	-0.01
23) Nitrobenzene-d5	8.31	82	237906	65.83	ng	-0.02
41) 2,4,6-Tribromophenol	13.54	330	60305	82.57	ng	-0.01
44) 2-Fluorobiphenyl	11.21	172	446364	65.55	ng	-0.01
78) Terphenyl-d14	17.02	244	274050	50.62	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	11.90	163	99576	14.36	ng	99
70) Phenanthrene	14.69	178	115392	15.27	ng	98
71) Anthracene	14.78	178	28917	3.57	ng	97
74) Fluoranthene	16.46	202	211867	27.28	ng	99
77) Pyrene	16.75	202	180410	19.09	ng	# 94
80) Benzo(a)anthracene	18.34	228	84997m	13.84	ng	
82) Chrysene	18.39	228	89771	13.93	ng	98
85) Indeno(1,2,3-cd)pyrene	21.21	276	45689	9.34	ng	98
87) Benzo(b)fluoranthene	19.62	252	123246m	20.14	ng	
88) Benzo(k)fluoranthene	19.65	252	36346m	5.89	ng	
89) Benzo(a)pyrene	19.98	252	75660	13.21	ng	94
90) Dibenzo(a,h)anthracene	21.22	278	12518	2.34	ng	# 71
91) Benzo(g,h,i)perylene	21.55	276	43601	7.96	ng	96

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

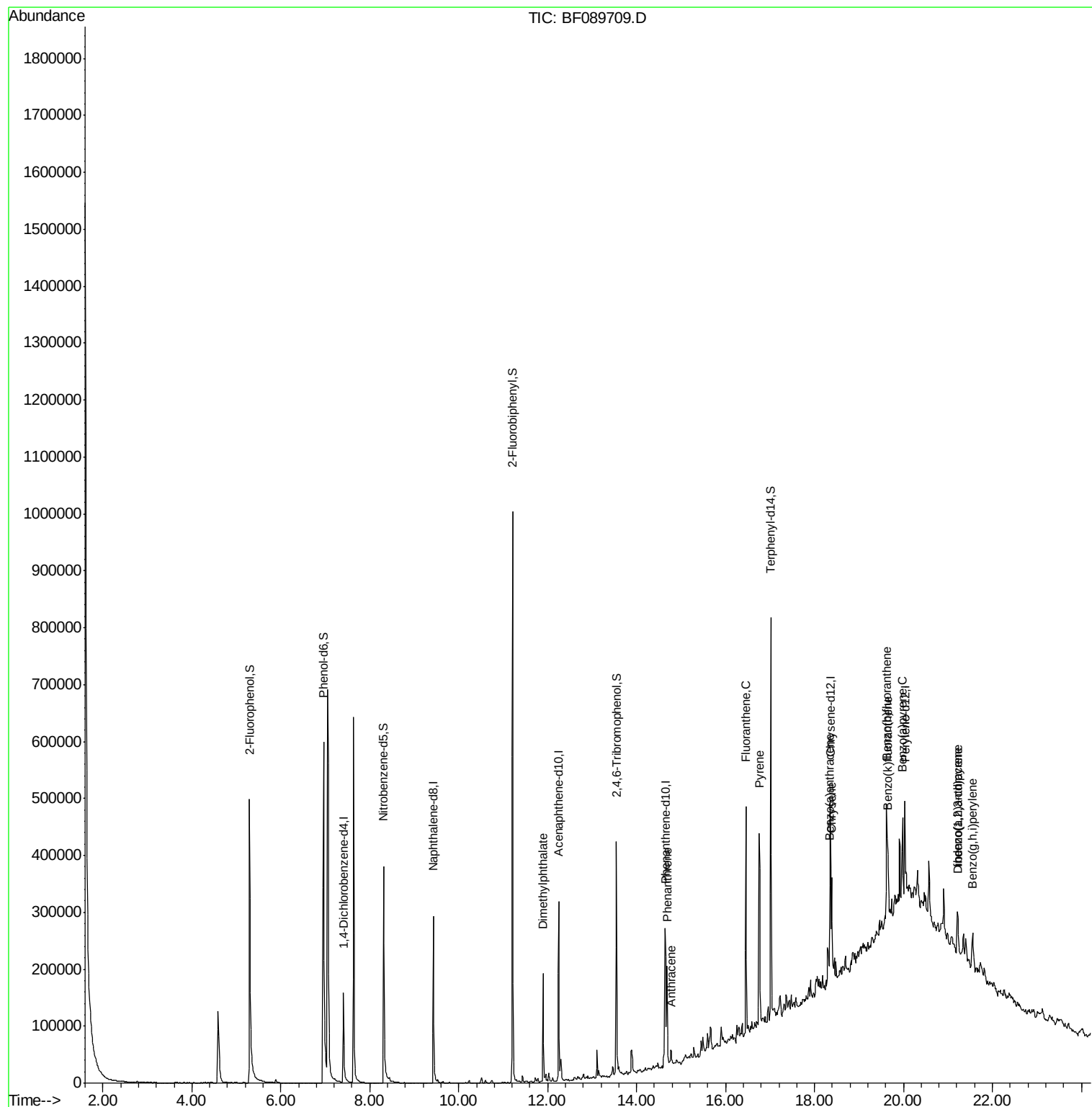
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089709.D
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ALS Vial : 10 Sample Multiplier: 1

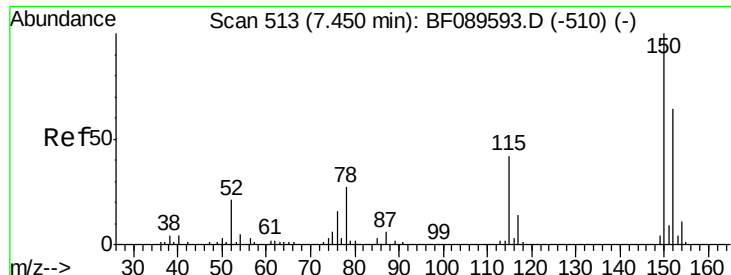
Instrument :
BNA_F
ClientSampleId :
DEL1(0-6)

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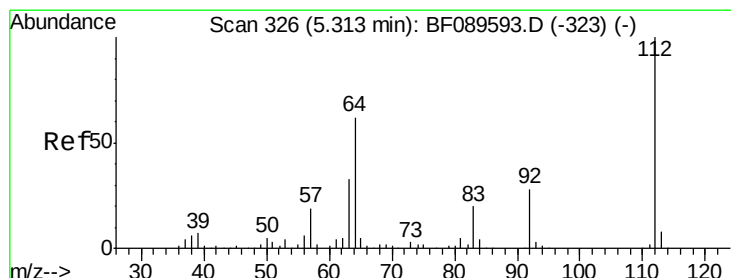
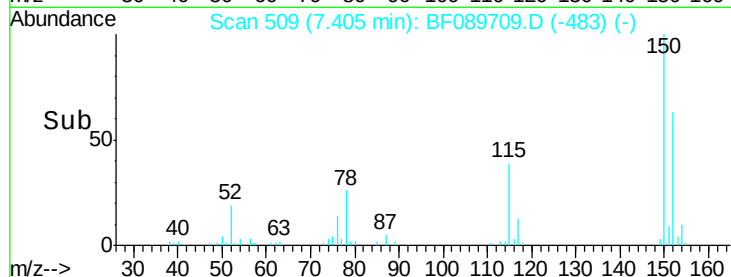
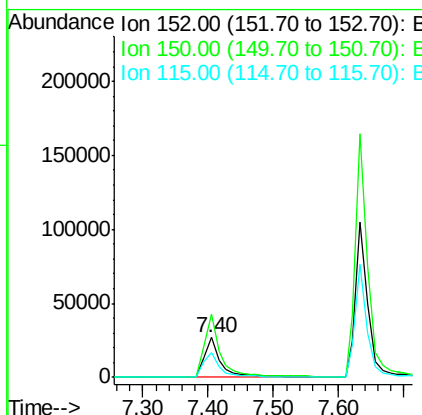
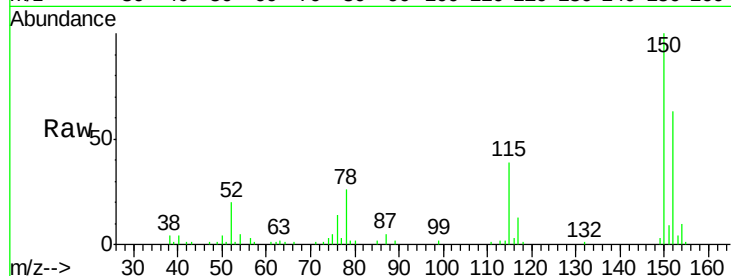
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.40 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: BF089709.D
 Acq: 10 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 DEL1(0-6)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.4	125.5	188.3
115	62.8	52.0	78.0

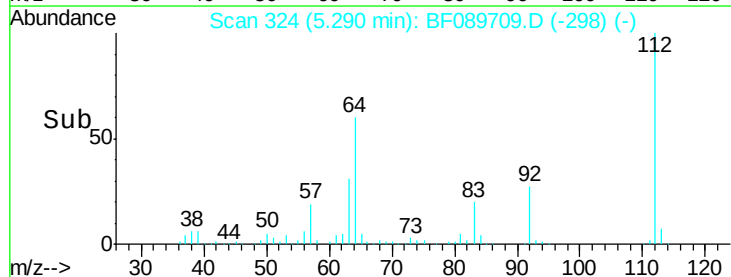
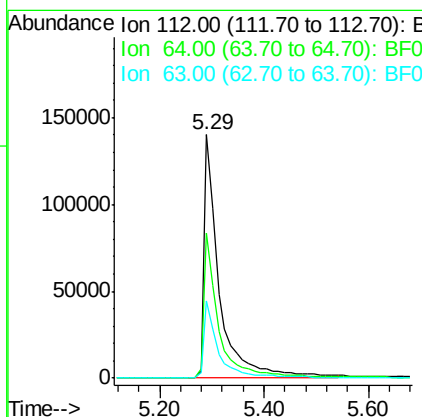
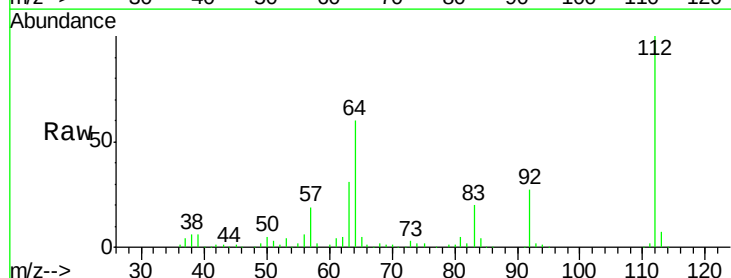
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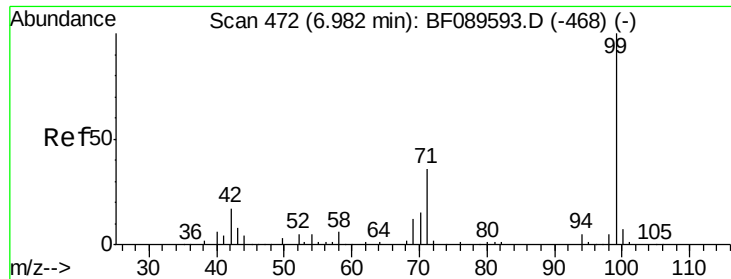
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#5
 2-Fluorophenol
 Concen: 99.65 ng
 RT: 5.29 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: BF089709.D
 Acq: 10 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	49.9	74.9
63	31.5	26.1	39.1





#7

Phenol-d6

Concen: 104.31 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF089709.D

Acq: 10 Aug 2016 22:15

Instrument :

BNA_F

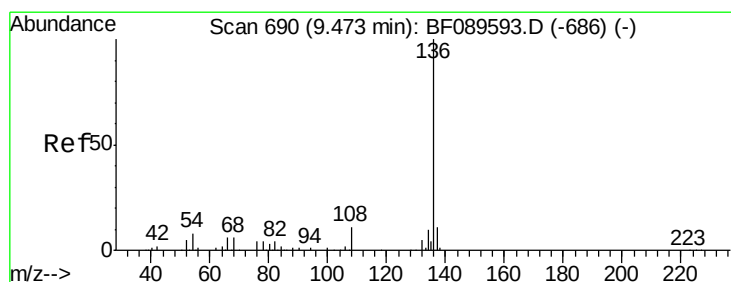
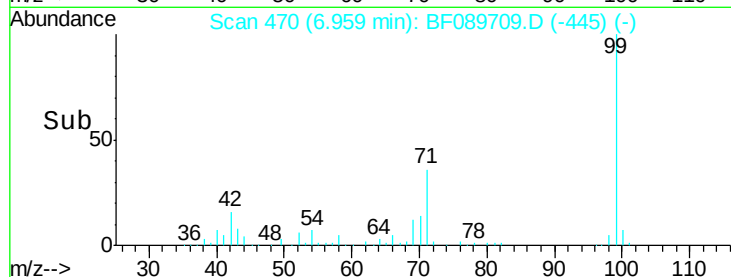
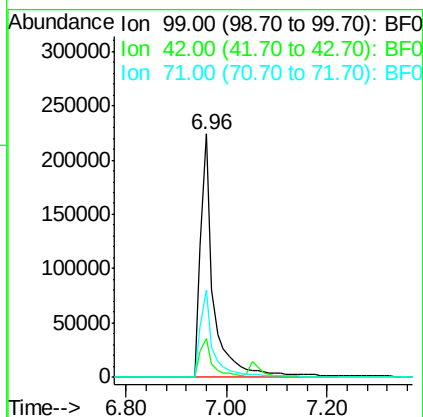
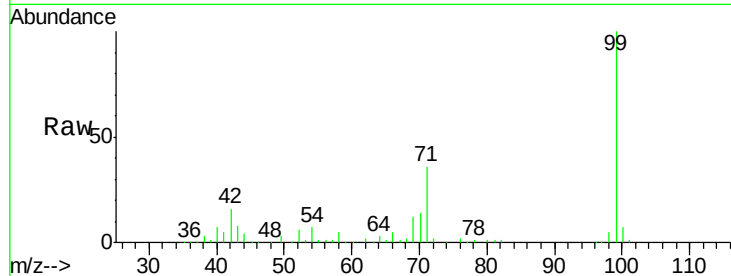
ClientSampleId :

DEL1(0-6)

Tgt Ion:	99	Resp:	408440
Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.7	20.5
71	36.0	29.0	43.4

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#21

Naphthalene-d8

Concen: 20.00 ng

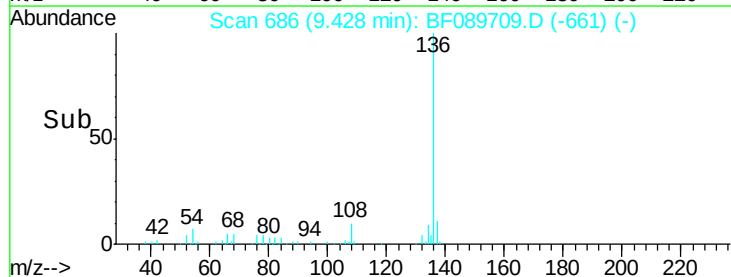
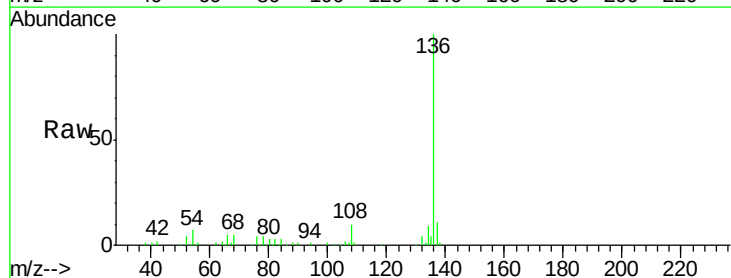
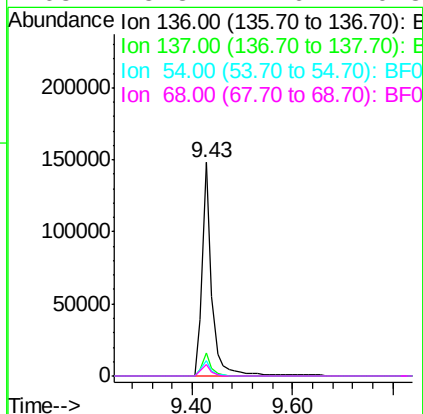
RT: 9.43 min Scan# 686

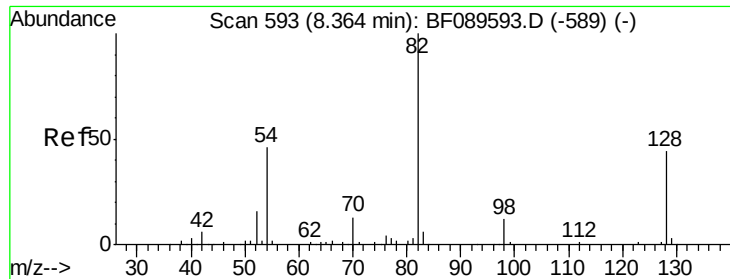
Delta R.T. -0.01 min

Lab File: BF089709.D

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Tgt Ion:	136	Resp:	199904
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	7.0	6.0	9.0
68	5.3	4.6	6.8





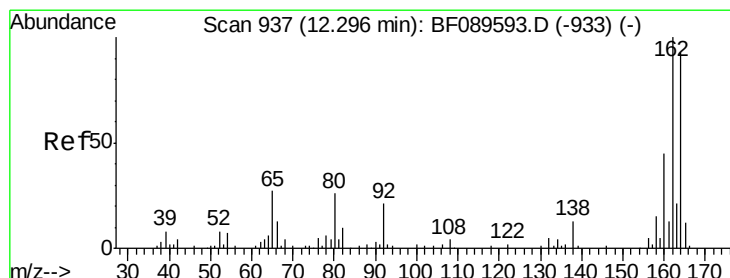
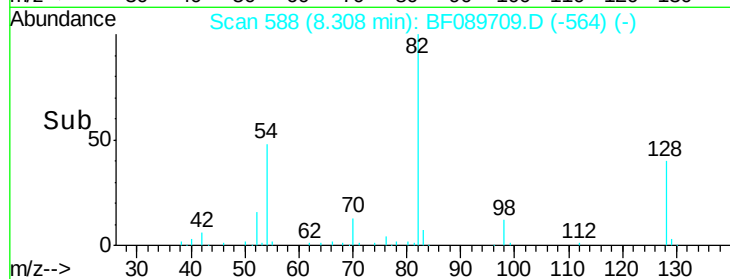
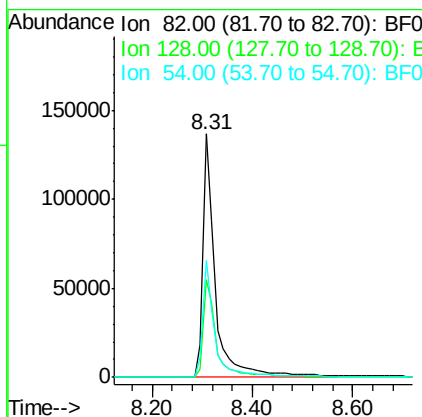
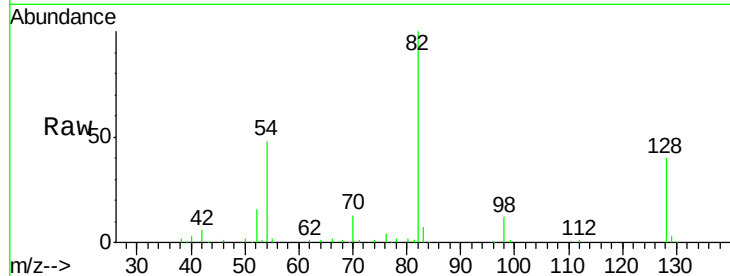
#23
 Nitrobenzene-d5
 Concen: 65.83 ng
 RT: 8.31 min Scan# 588
 Delta R.T. -0.02 min
 Lab File: BF089709.D
 Acq: 10 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampled :
 DEL1(0-6)

Tgt Ion	82	Resp	237906
Ion Ratio	100	Lower	Upper
128	40.0	35.4	53.0
54	47.8	36.4	54.6

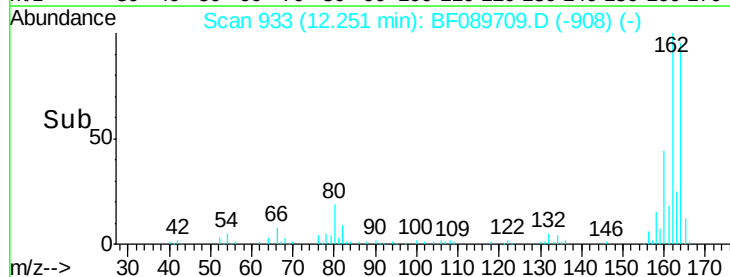
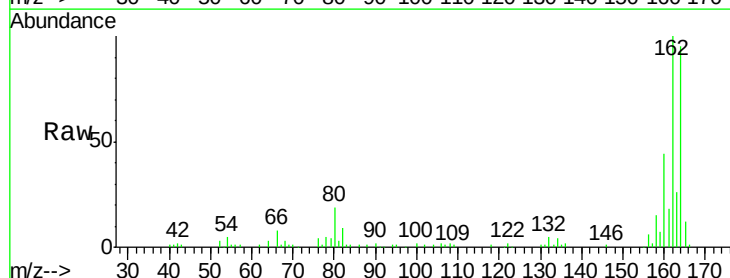
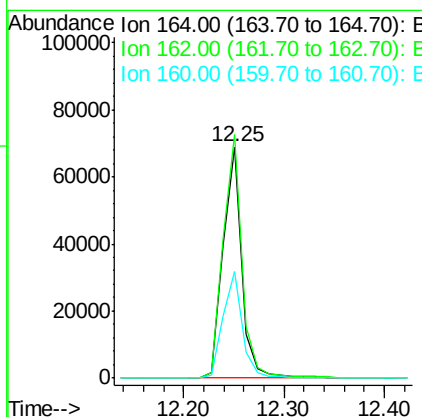
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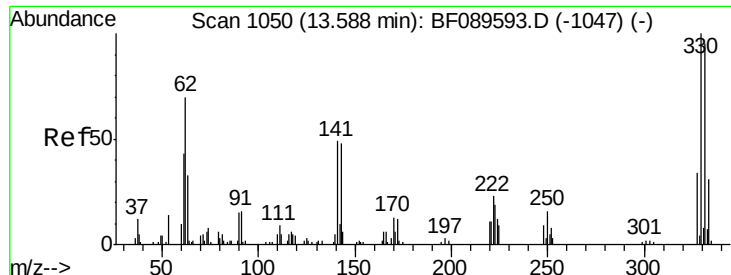
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.25 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF089709.D
 Acq: 10 Aug 2016 22:15

Tgt Ion	164	Resp	88497
Ion Ratio	100	Lower	Upper
162	105.3	85.7	128.5
160	46.0	38.2	57.4





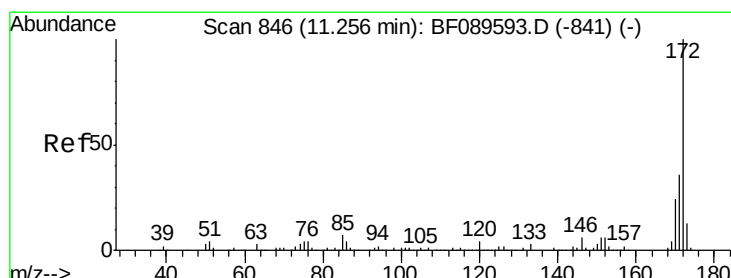
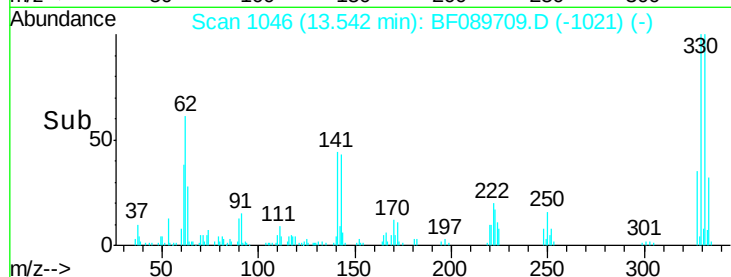
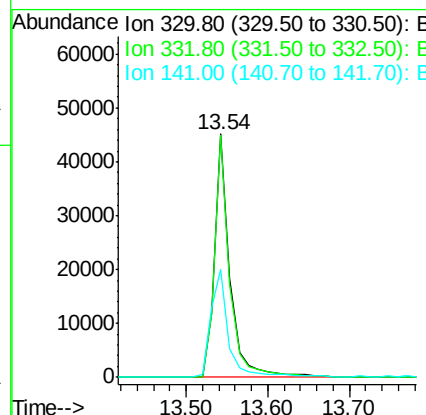
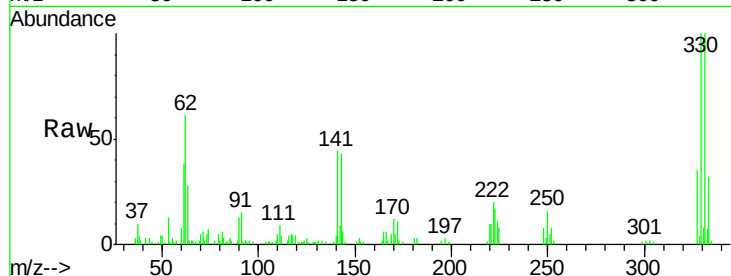
#41
 2,4,6-Tribromophenol
 Concen: 82.57 ng
 RT: 13.54 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BF089709.D
 Acq: 10 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampled :
 DEL1(0-6)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	51.6	38.6	57.8

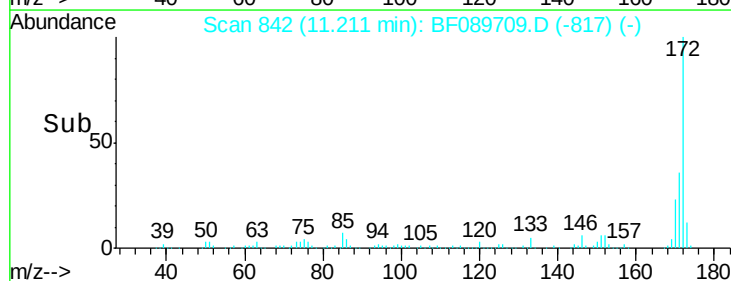
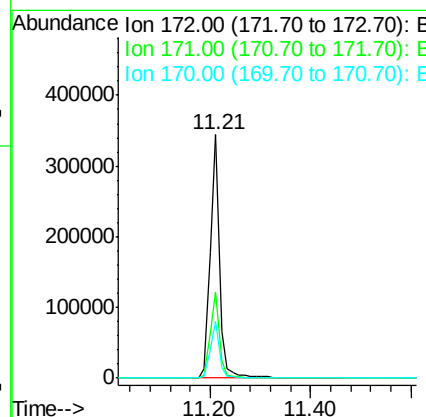
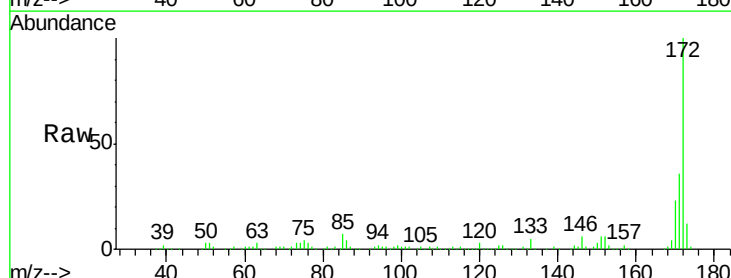
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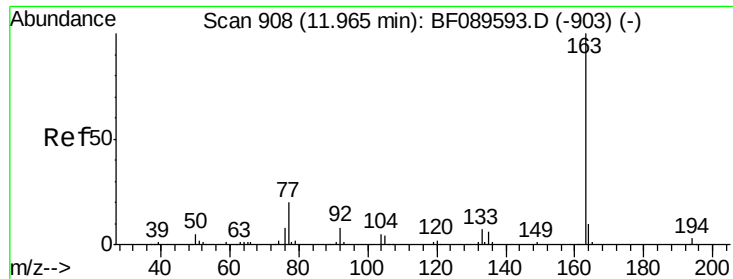
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#44
 2-Fluorobiphenyl
 Concen: 65.55 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF089709.D
 Acq: 10 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.9	43.3
170	23.5	19.0	28.6





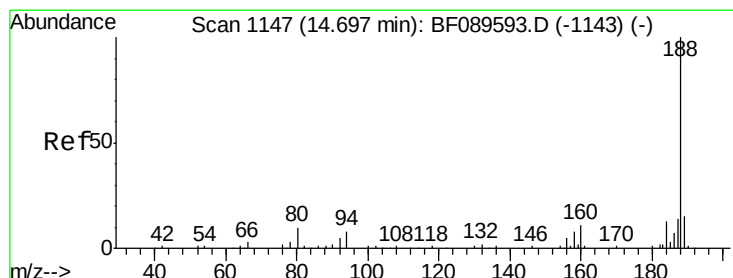
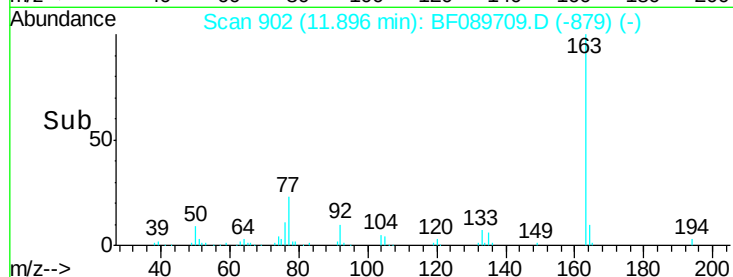
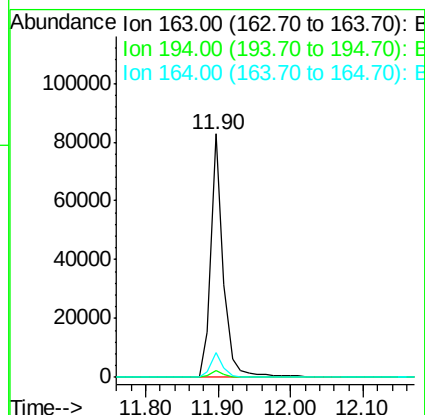
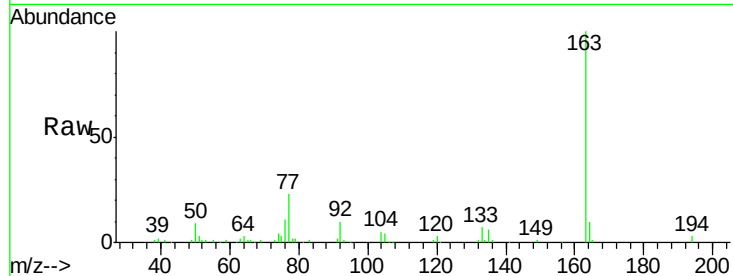
#49
Dimethylphthalate
Concen: 14.36 ng
RT: 11.90 min Scan# 902
Delta R.T. -0.03 min
Lab File: BF089709.D
Acq: 10 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
DEL1(0-6)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	99576		
194	3.0	2.7	4.1	
164	10.0	7.8	11.6	

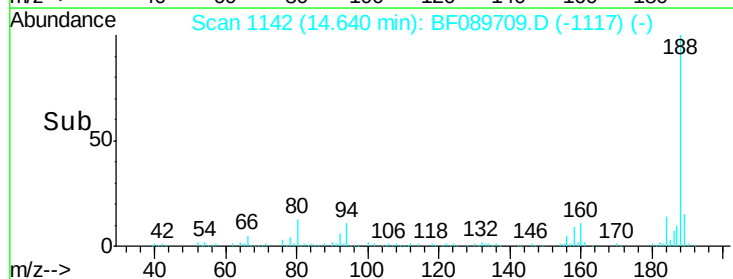
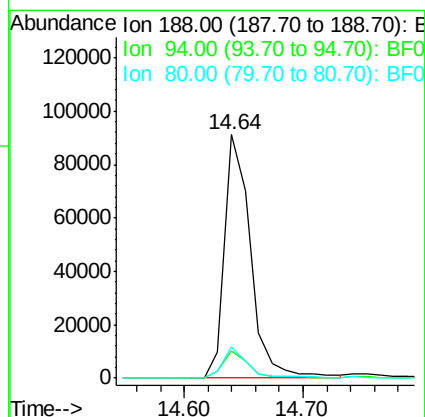
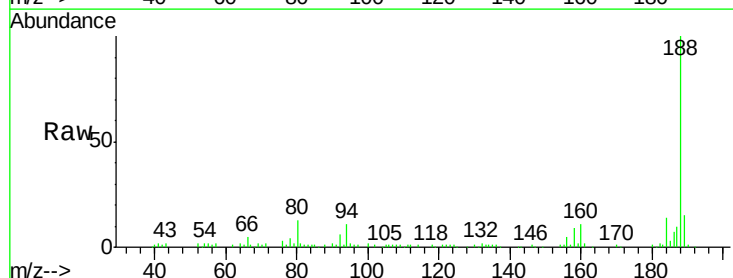
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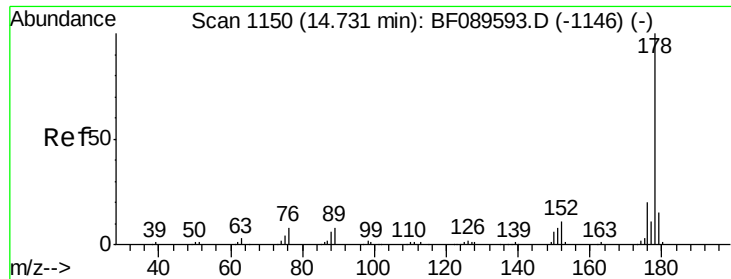
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089709.D
Acq: 10 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	138960		
94	11.0	6.5	9.7#	
80	12.8	8.0	12.0#	





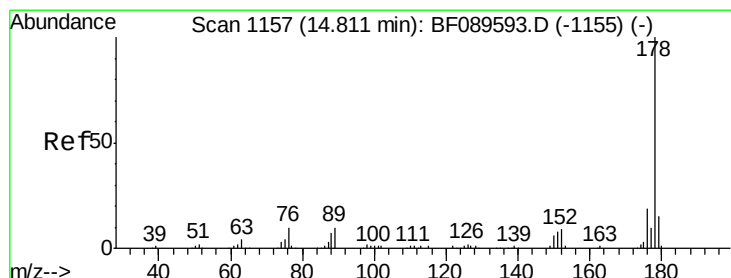
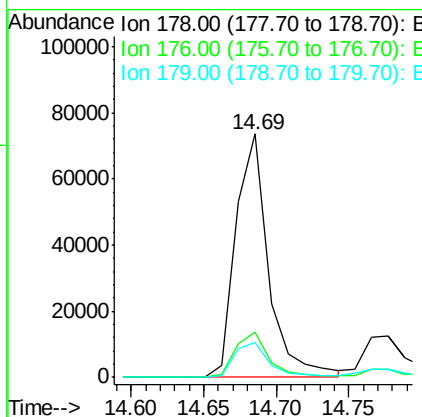
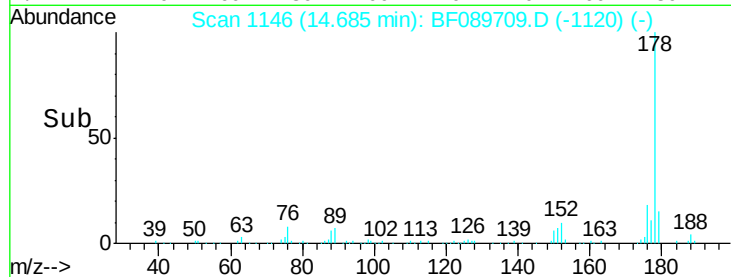
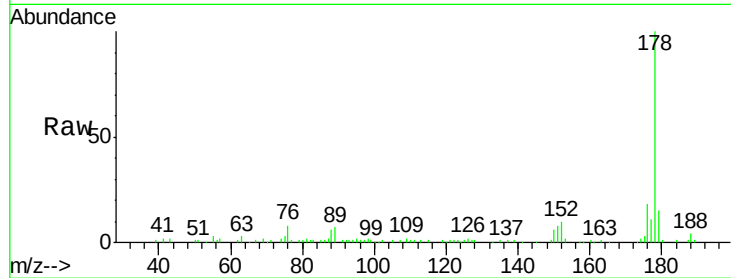
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 Phenanthrene
 Concen: 15.27 ng
 RT: 14.69 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: BF089709.D
 Acq: 10 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 DEL1(0-6)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.7	23.5
179	14.6	12.2	18.2

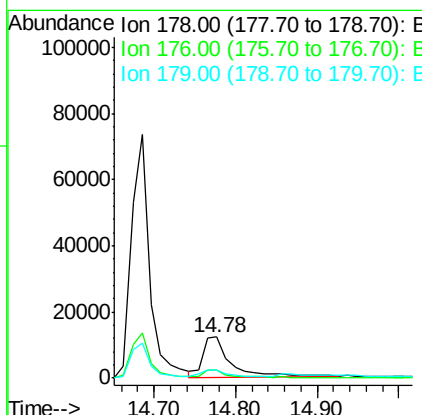
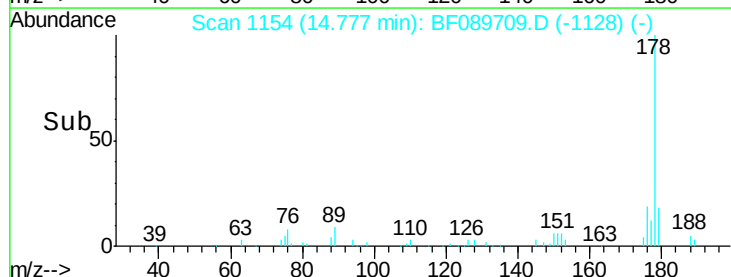
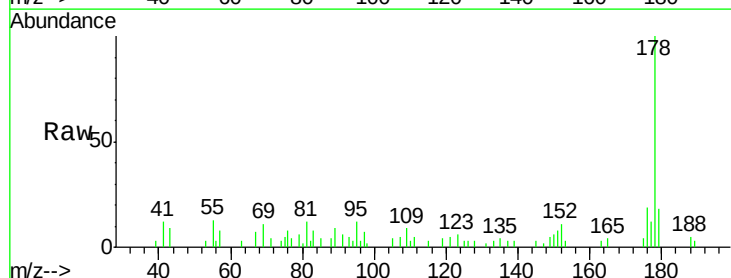
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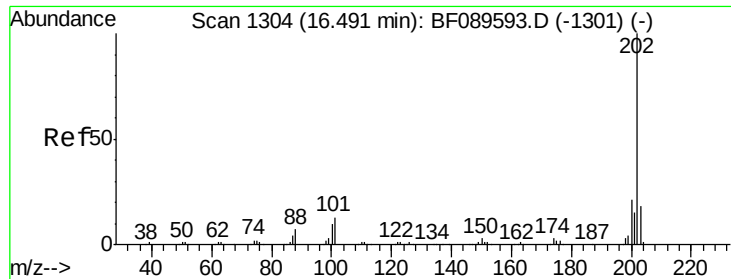
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#71
 Anthracene
 Concen: 3.57 ng
 RT: 14.78 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BF089709.D
 Acq: 10 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	18.2	12.4	18.6





#74

Fluoranthene

Concen: 27.28 ng

RT: 16.46 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF089709.D

Acq: 10 Aug 2016 22:15

Instrument :

BNA_F

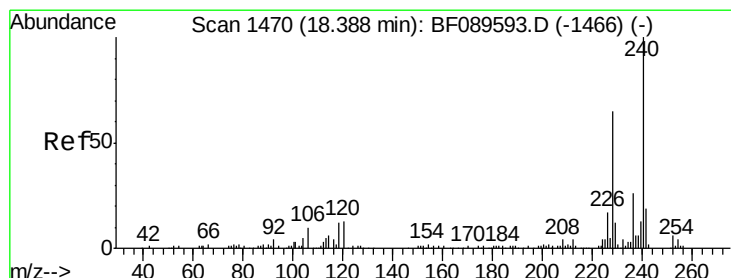
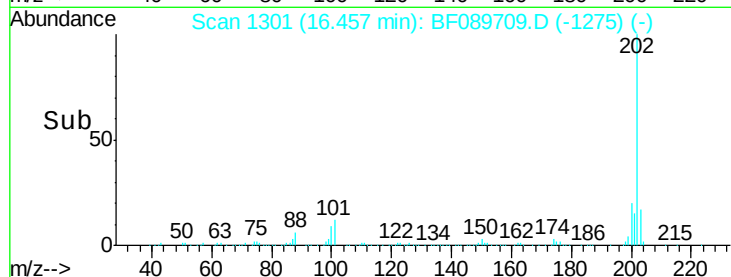
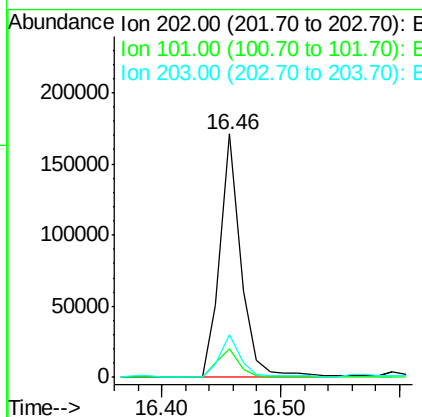
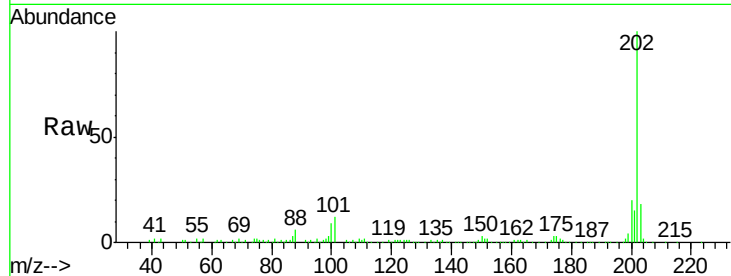
ClientSampleId :

DEL1(0-6)

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	211867		
101	12.0	0.0	32.7	
203	17.6	0.0	37.8	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

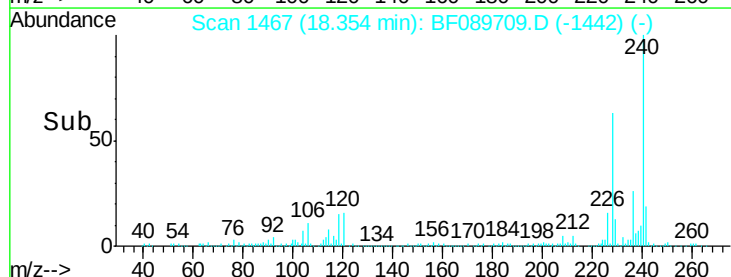
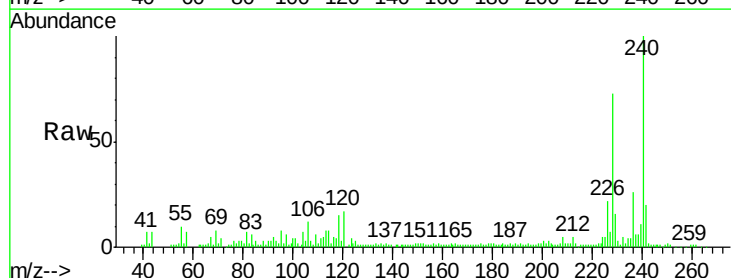
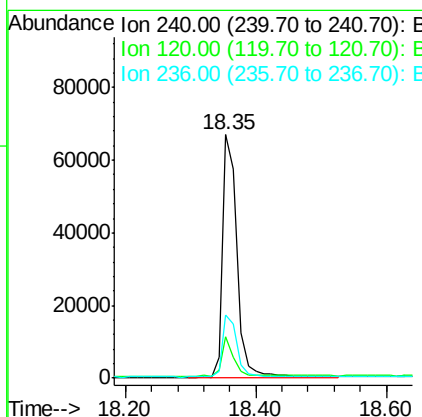
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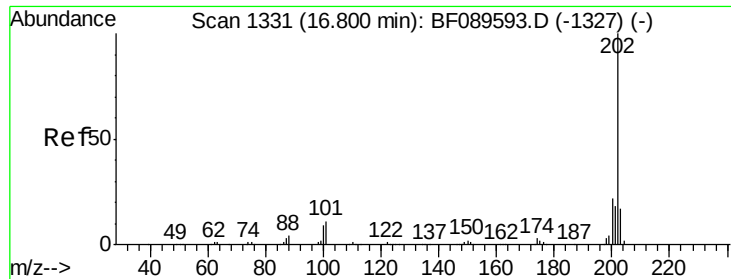
Delta R.T. -0.01 min

Lab File: BF089709.D

Acq: 10 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	106882		
120	16.9	10.6	15.8#	
236	25.9	20.6	30.8	





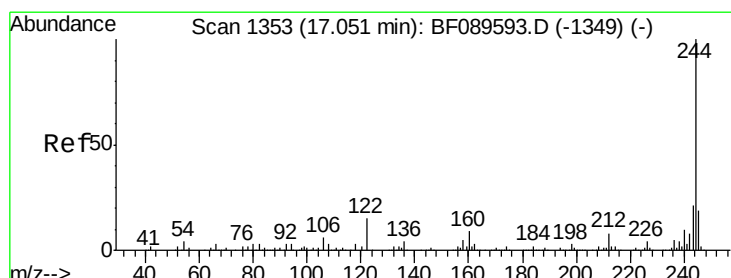
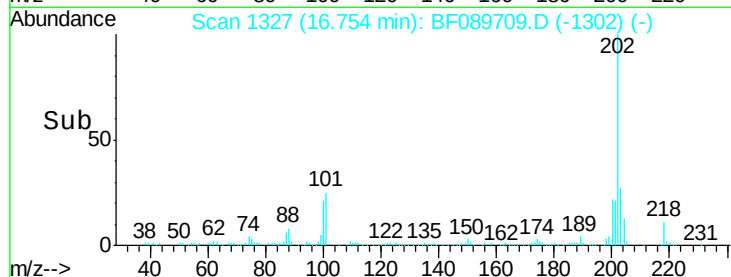
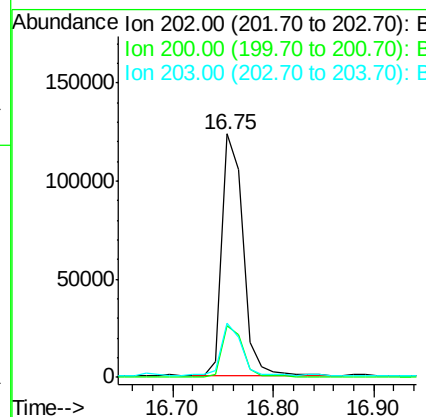
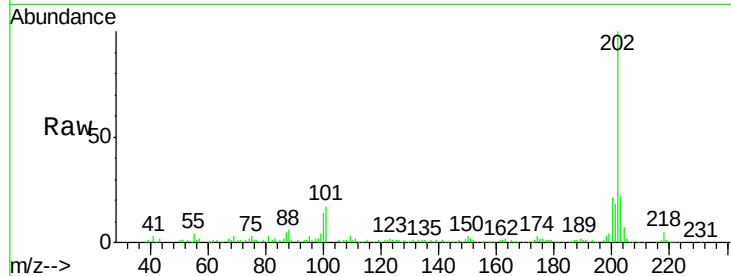
#77
 Pyrene
 Concen: 19.09 ng
 RT: 16.75 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF089709.D
 Acq: 10 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 DEL1(0-6)

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	180410		
200	21.0	17.4	26.0	
203	22.2	13.6	20.4	

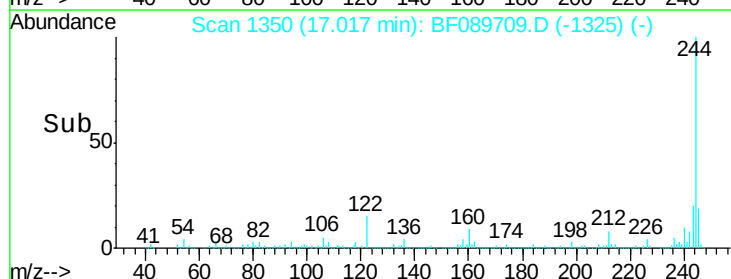
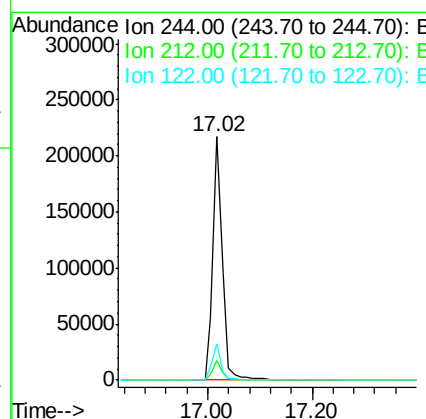
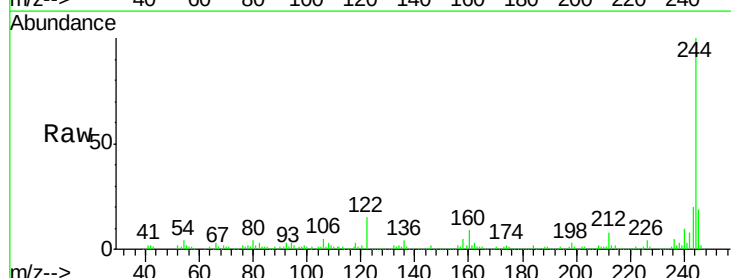
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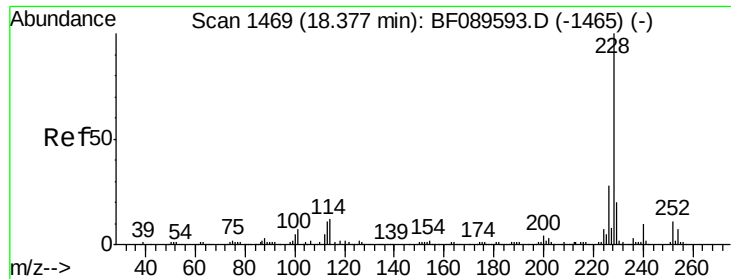
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#78
 Terphenyl-d14
 Concen: 50.62 ng
 RT: 17.02 min Scan# 1350
 Delta R.T. -0.01 min
 Lab File: BF089709.D
 Acq: 10 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	274050		
212	8.1	6.4	9.6	
122	14.9	12.2	18.2	





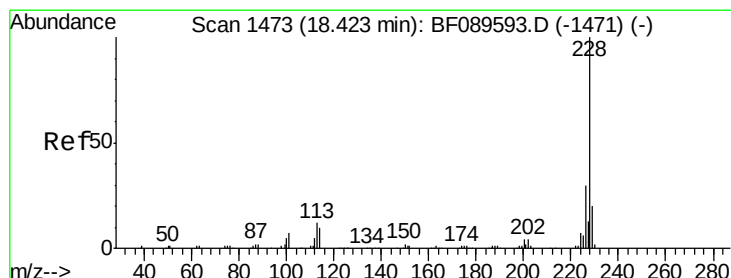
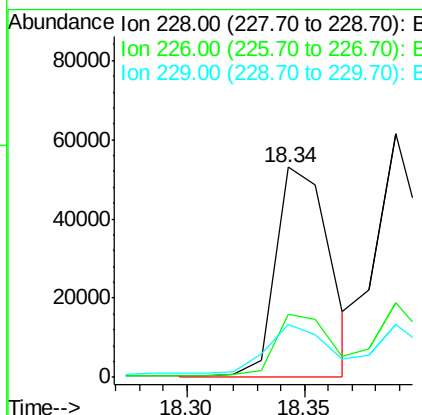
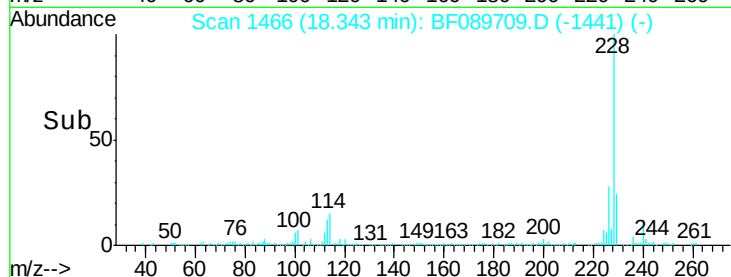
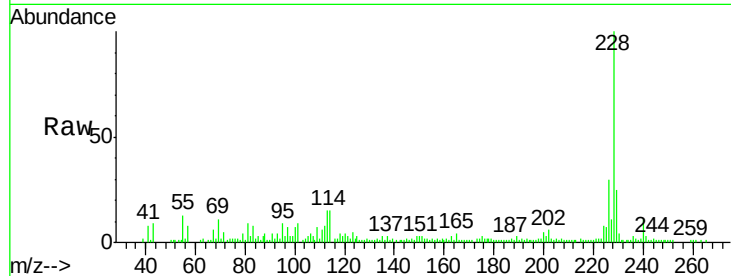
#80
Benzo(a)anthracene
Concen: 13.84 ng m
RT: 18.34 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF089709.D
Acq: 10 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
DEL1(0-6)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.3	33.5
229	25.2	15.9	23.9

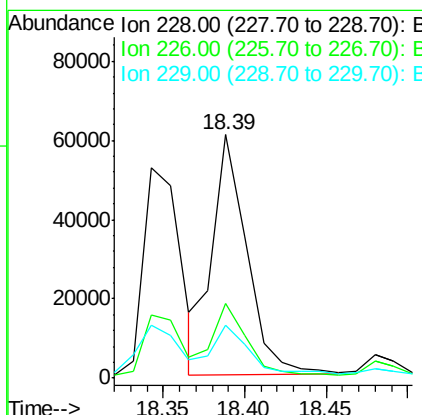
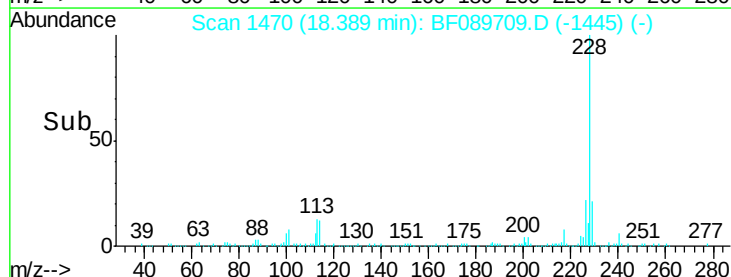
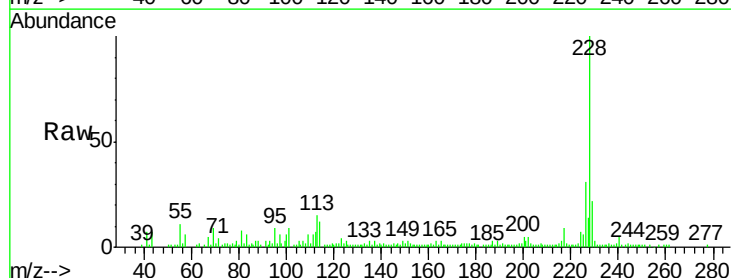
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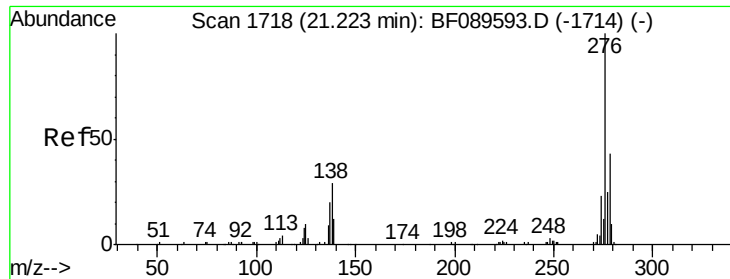
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#82
Chrysene
Concen: 13.93 ng
RT: 18.39 min Scan# 1470
Delta R.T. -0.01 min
Lab File: BF089709.D
Acq: 10 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	21.7	16.0	24.0





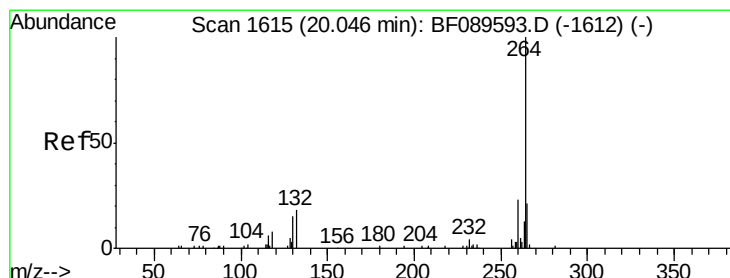
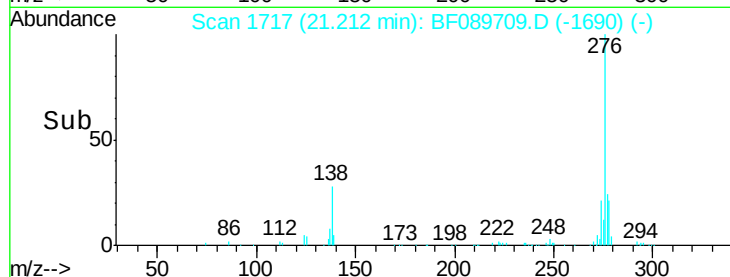
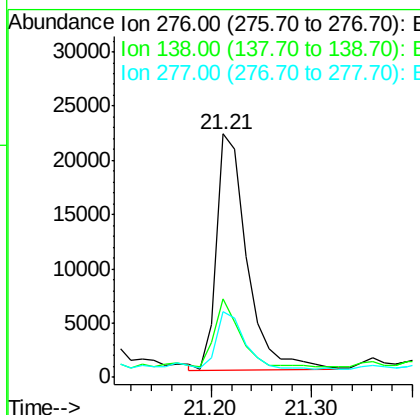
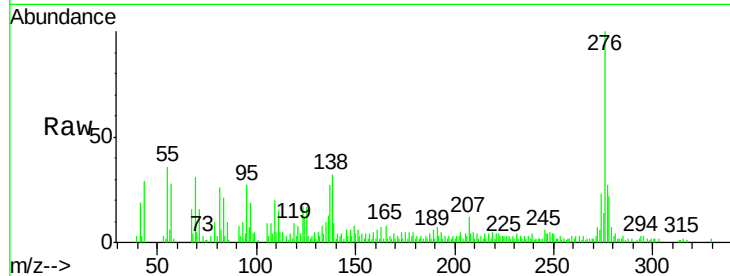
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.34 ng
 RT: 21.21 min Scan# 1717
 Delta R.T. 0.01 min
 Lab File: BF089709.D
 Acq: 10 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 DEL1(0-6)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.7	23.8	35.8
277	23.7	20.3	30.5

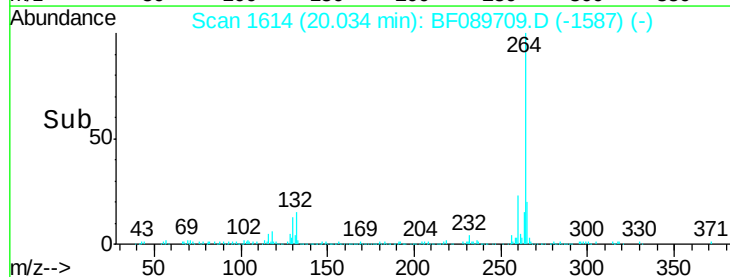
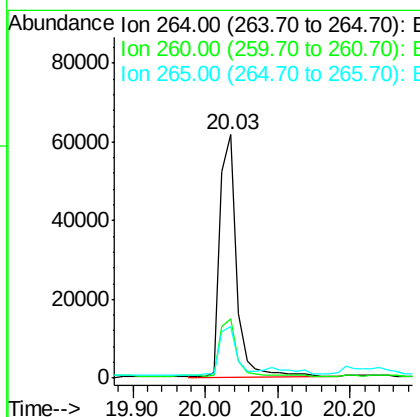
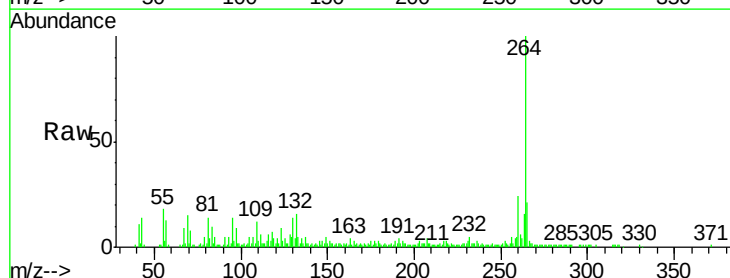
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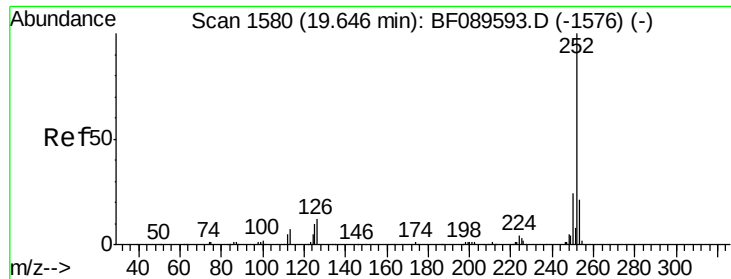
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.03 min Scan# 1614
 Delta R.T. 0.01 min
 Lab File: BF089709.D
 Acq: 10 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	21.1	16.5	24.7





#87

Benzo(b)fluoranthene

Concen: 20.14 ng m

RT: 19.62 min Scan# 1578

Delta R.T. 0.00 min

Lab File: BF089709.D

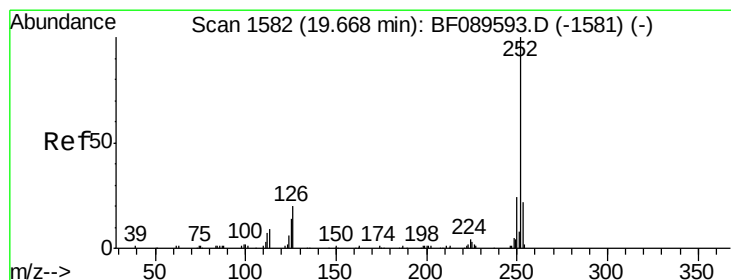
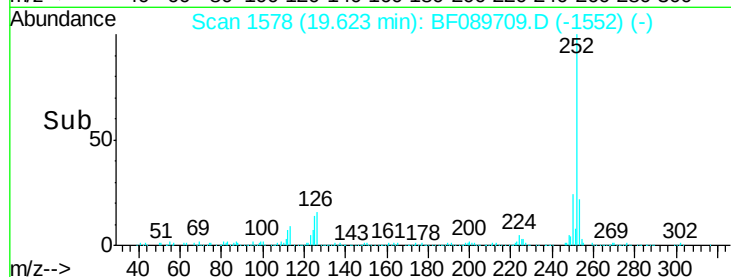
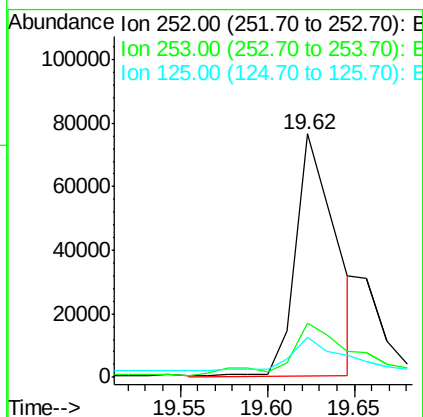
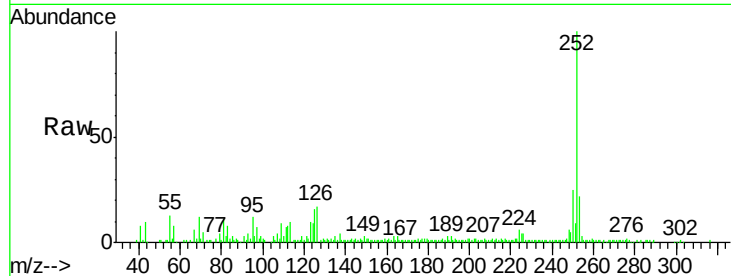
Acq: 10 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
DEL1(0-6)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	16.5	7.8	11.8

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#88

Benzo(k)fluoranthene

Concen: 5.89 ng m

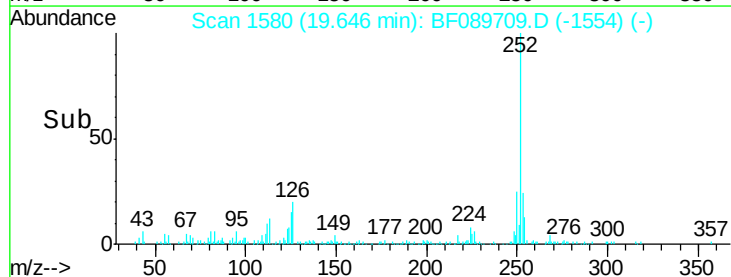
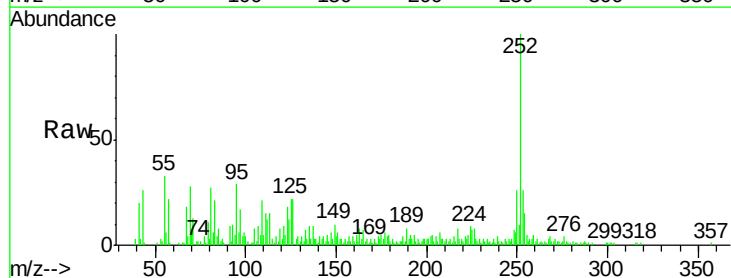
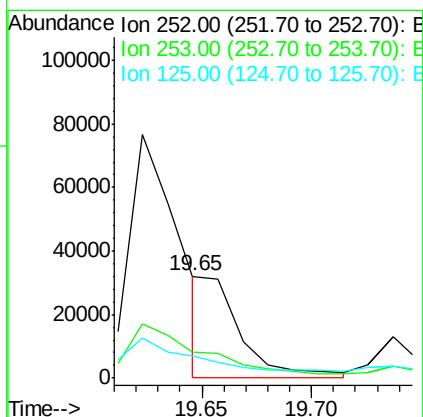
RT: 19.65 min Scan# 1580

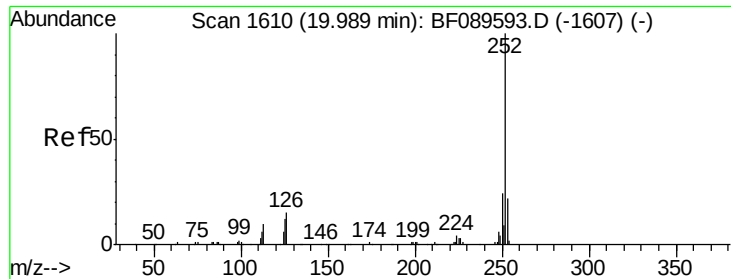
Delta R.T. 0.00 min

Lab File: BF089709.D

Acq: 10 Aug 2016 22:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.3	25.9
125	21.5	11.0	16.6





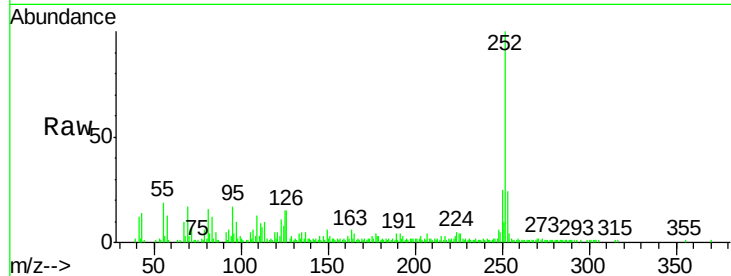
#89
Benzo(a)pyrene
Concen: 13.21 ng
RT: 19.98 min Scan# 1609
Delta R.T. 0.01 min
Lab File: BF089709.D
Acq: 10 Aug 2016 22:15

Instrument :
BNA_F
ClientSampleId :
DEL1(0-6)

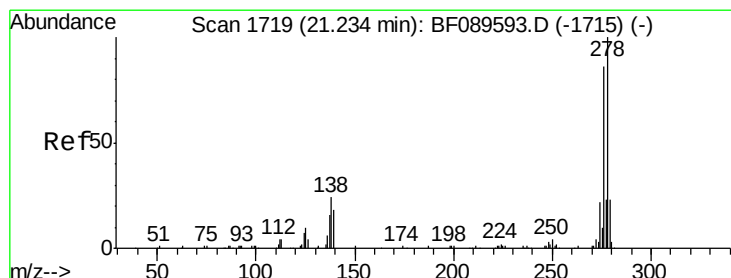
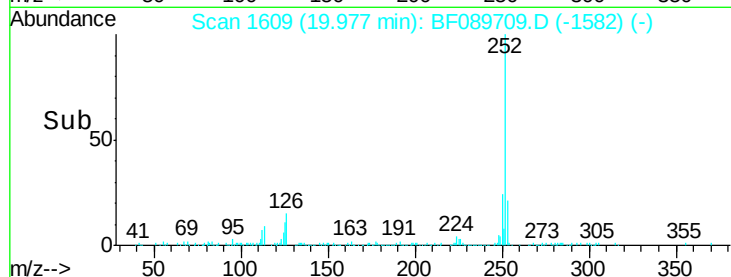
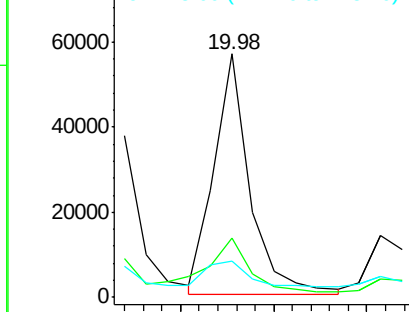
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	75660		
253	24.2	17.4	26.0	
125	14.8	9.9	14.9	

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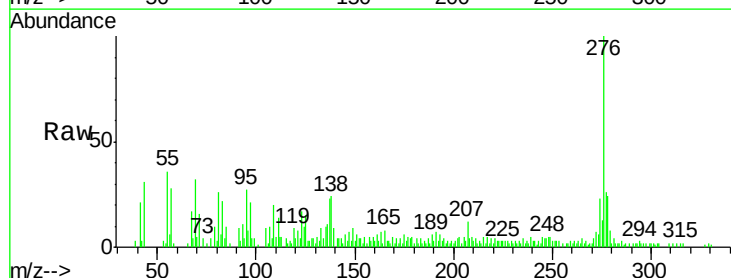


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

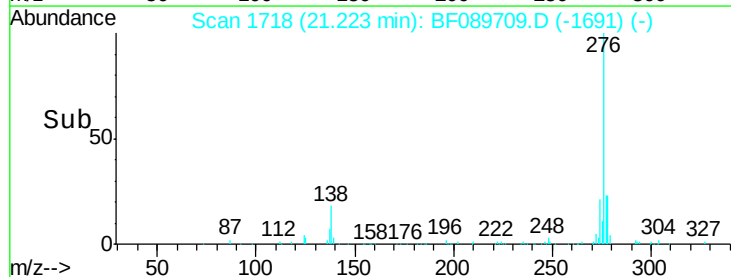
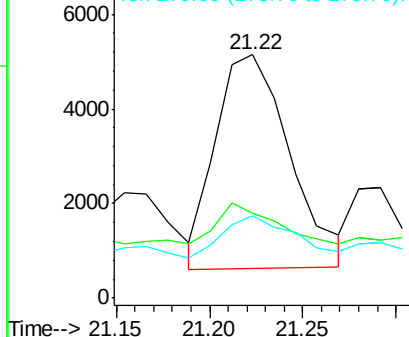


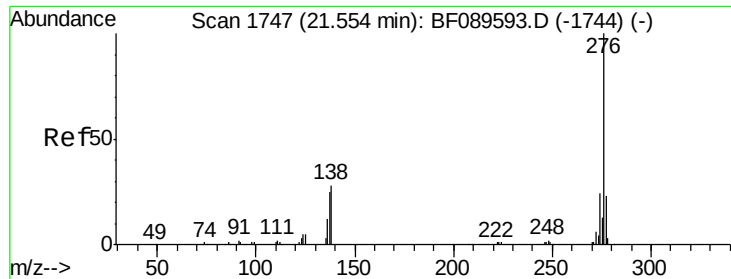
#90
Dibenzo(a,h)anthracene
Concen: 2.34 ng
RT: 21.22 min Scan# 1718
Delta R.T. 0.01 min
Lab File: BF089709.D
Acq: 10 Aug 2016 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	12518		
139	34.8	14.6	21.8#	
279	34.0	18.4	27.6#	



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 7.96 ng
 RT: 21.55 min Scan# 1747
 Delta R.T. 0.02 min
 Lab File: BF089709.D
 Acq: 10 Aug 2016 22:15

Instrument :
 BNA_F
 ClientSampleId :
 DEL1(0-6)

Tgt Ion:	276	Resp:	43601
Ion Ratio		Lower	Upper
276	100		
277	26.2	18.6	28.0
138	26.5	22.6	33.8

Manual Integrations
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