

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
 Data File : BF089713.D
 Acq On : 11 Aug 2016 00:21
 Operator : UM/SJ
 Sample : H4400-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEL3(0-6)

Manual Integrations
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Quant Time: Aug 11 02:23:08 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	50819	20.00	ng	0.00
21) Naphthalene-d8	9.43	136	201683	20.00	ng	-0.01
38) Acenaphthene-d10	12.25	164	81403	20.00	ng	-0.01
63) Phenanthrene-d10	14.65	188	121978	20.00	ng	0.00
75) Chrysene-d12	18.37	240	114143	20.00	ng	0.00
86) Perylene-d12	20.03	264	93006	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	318915	105.18	ng	0.01
7) Phenol-d6	6.97	99	414332	100.73	ng	0.00
23) Nitrobenzene-d5	8.31	82	243923	66.90	ng	-0.02
41) 2,4,6-Tribromophenol	13.54	330	53001	78.90	ng	-0.01
44) 2-Fluorobiphenyl	11.21	172	400524	63.95	ng	-0.01
78) Terphenyl-d14	17.02	244	249268	43.11	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	11.90	163	101363	15.89	ng	99
70) Phenanthrene	14.69	178	132703	20.01	ng	98
71) Anthracene	14.77	178	37031m	5.21	ng	
72) Carbazole	15.07	167	19136	3.23	ng	98
74) Fluoranthene	16.46	202	177052	25.97	ng	99
77) Pyrene	16.77	202	151868	15.05	ng	96
80) Benzo(a)anthracene	18.35	228	82981	12.65	ng	97
82) Chrysene	18.40	228	66283	9.63	ng	97
83) Bis(2-ethylhexyl)phthalate	18.45	149	52110	8.76	ng	98
85) Indeno(1,2,3-cd)pyrene	21.22	276	30755	5.89	ng	# 91
87) Benzo(b)fluoranthene	19.63	252	81573m	14.26	ng	
88) Benzo(k)fluoranthene	19.65	252	36515m	6.33	ng	
89) Benzo(a)pyrene	19.98	252	55623	10.39	ng	# 77
91) Benzo(g,h,i)perylene	21.57	276	29205	5.70	ng	95

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

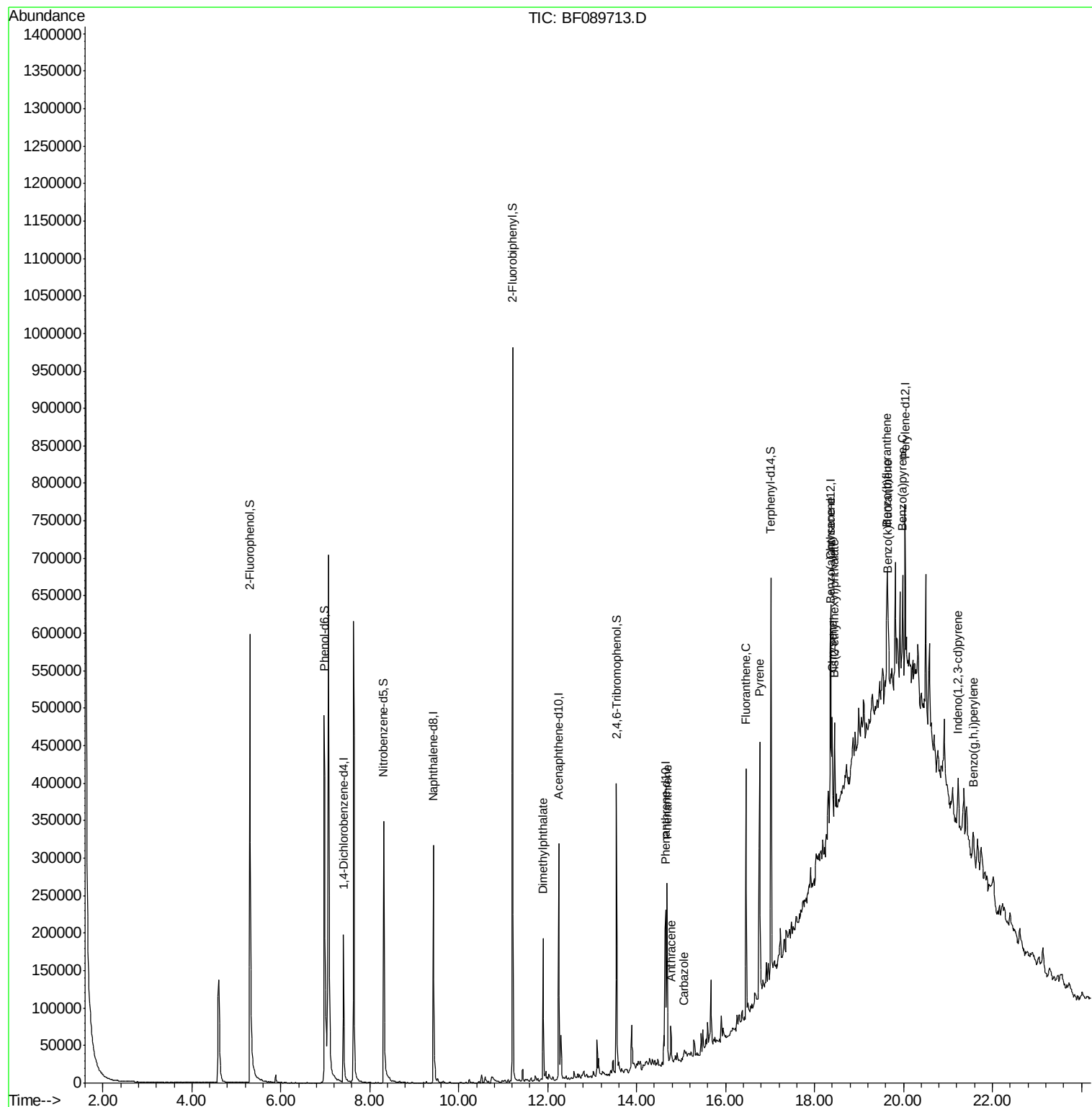
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089713.D
Acq On : 11 Aug 2016 00:21
Operator : UM/SJ
Sample : H4400-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

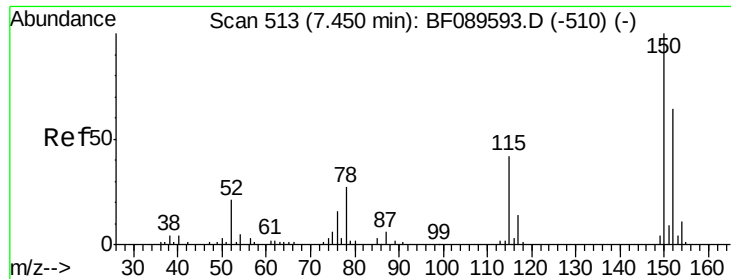
Instrument :
BNA_F
ClientSampleId :
DEL3(0-6)

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#1

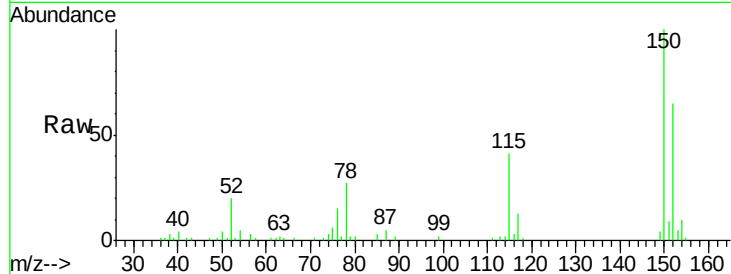
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.40 min Scan# 509
Delta R.T. -0.00 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Instrument :
BNA_F
ClientSampleId :
DEL3(0-6)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.3	125.5	188.3
115	63.4	52.0	78.0

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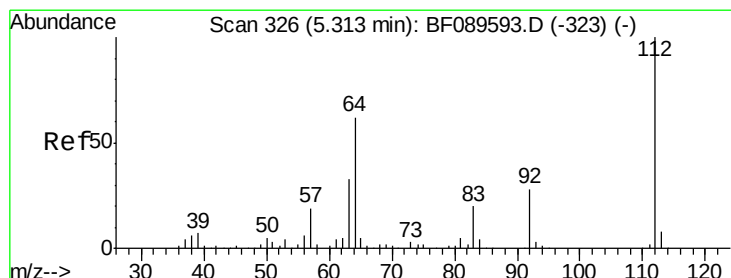
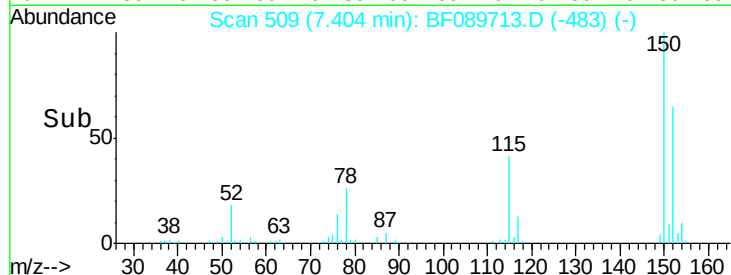
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

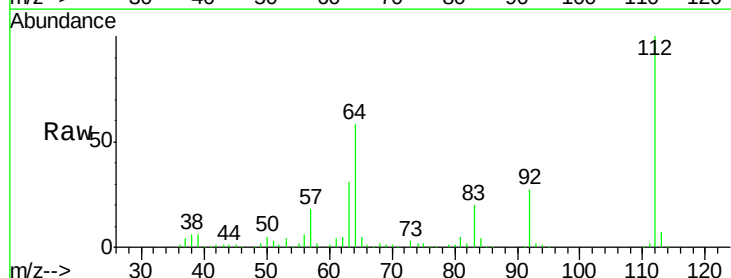
Time-->



#5

2-Fluorophenol
Concen: 105.18 ng
RT: 5.30 min Scan# 325
Delta R.T. 0.01 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	49.9	74.9
63	31.1	26.1	39.1



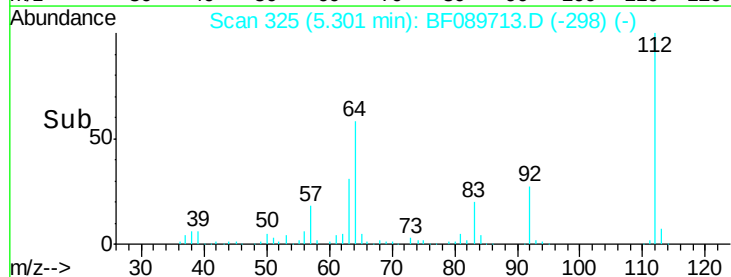
Abundance

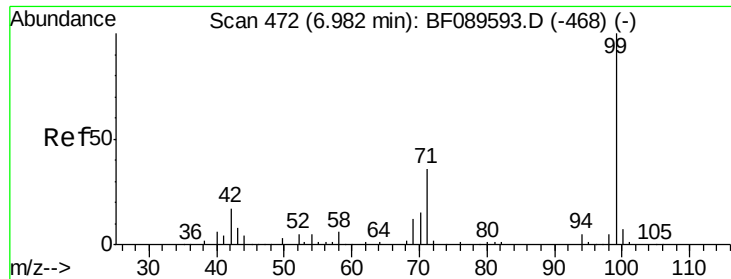
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 100.73 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.00 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

Instrument :

BNA_F

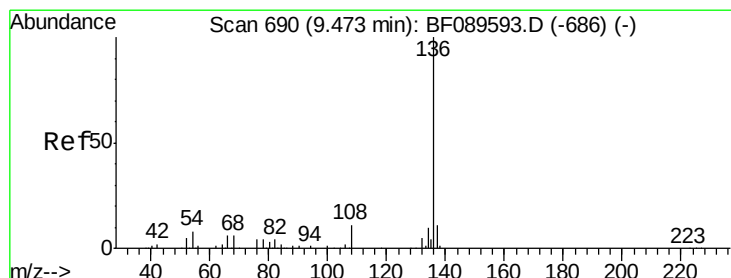
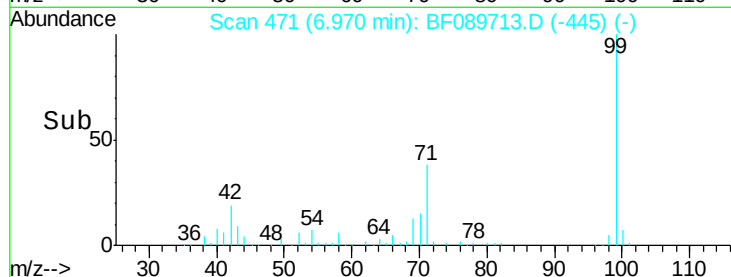
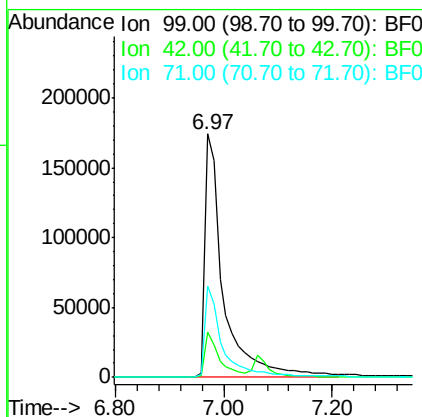
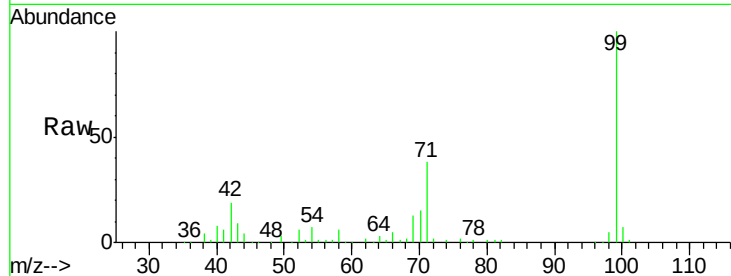
ClientSampleId :

DEL3(0-6)

Tgt Ion:	99	Resp:	414332
Ion Ratio	Lower	Upper	
99	100		
42	18.6	13.7	20.5
71	37.5	29.0	43.4

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#21

Naphthalene-d8

Concen: 20.00 ng

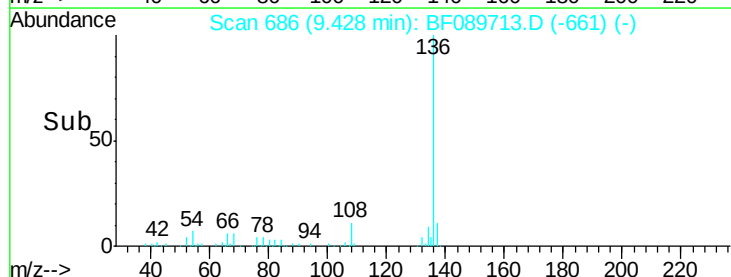
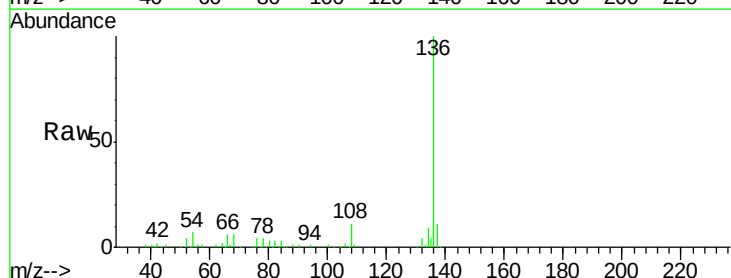
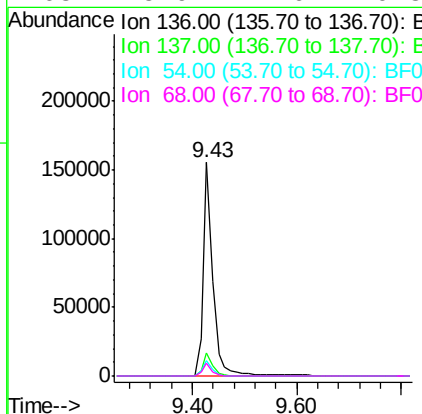
RT: 9.43 min Scan# 686

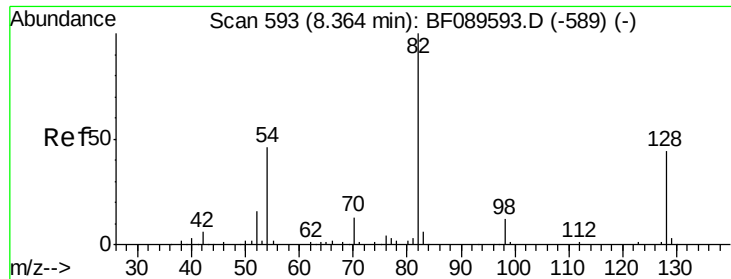
Delta R.T. -0.01 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

Tgt Ion:	136	Resp:	201683
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	12.8
54	7.4	6.0	9.0
68	5.9	4.6	6.8





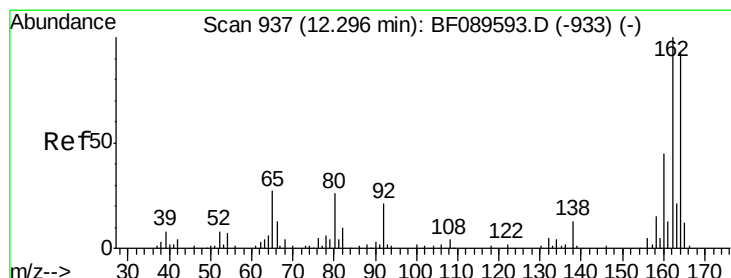
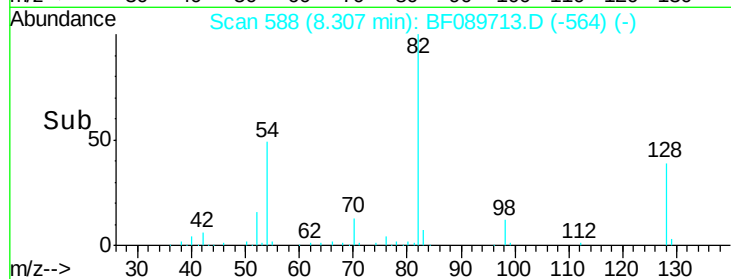
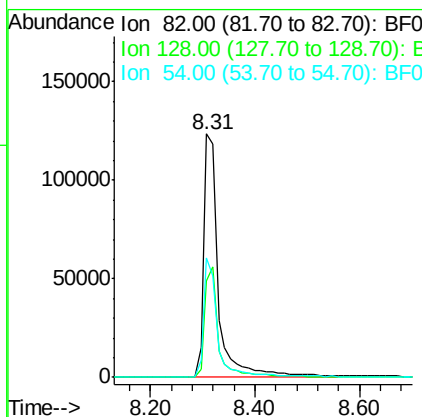
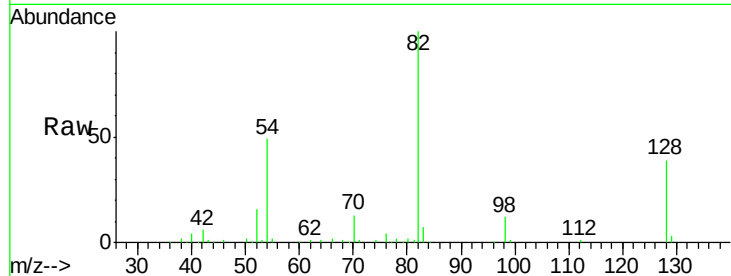
#23
 Nitrobenzene-d5
 Concen: 66.90 ng
 RT: 8.31 min Scan# 588
 Delta R.T. -0.02 min
 Lab File: BF089713.D
 Acq: 11 Aug 2016 00:21

Instrument :
 BNA_F
 ClientSampleId :
 DEL3(0-6)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	243923		
128	39.4		35.4	53.0
54	49.2		36.4	54.6

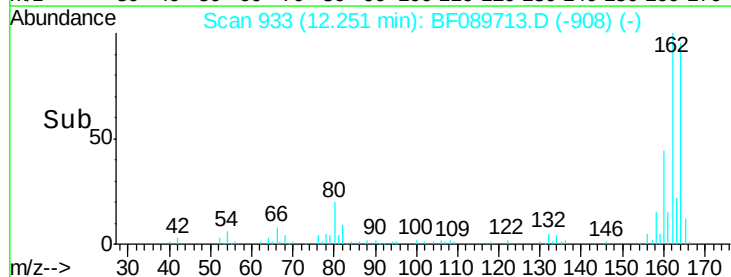
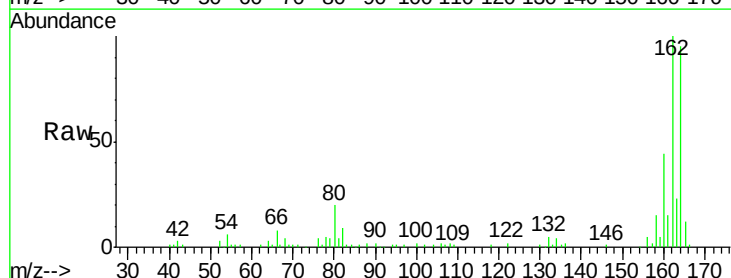
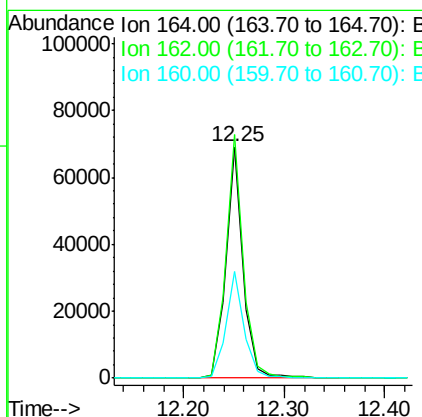
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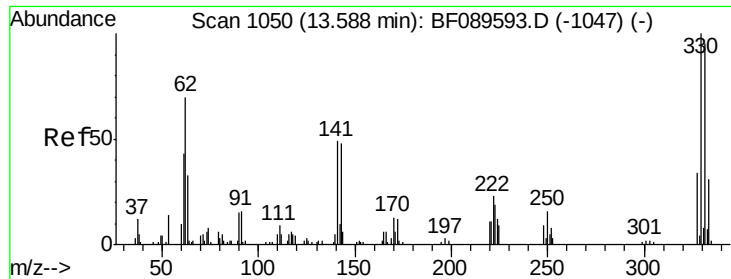
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.25 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF089713.D
 Acq: 11 Aug 2016 00:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81403		
162	105.2		85.7	128.5
160	46.2		38.2	57.4





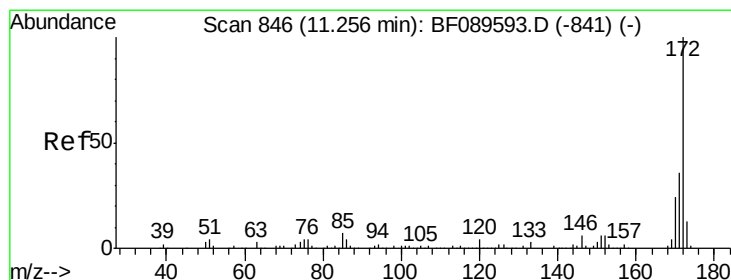
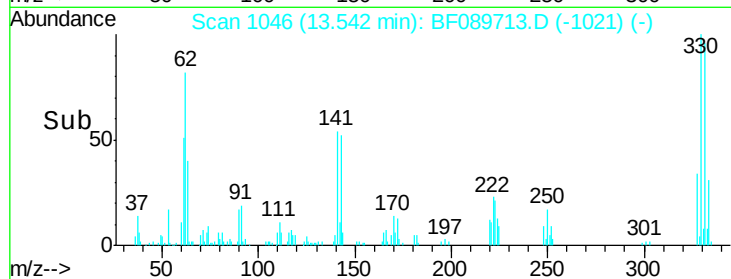
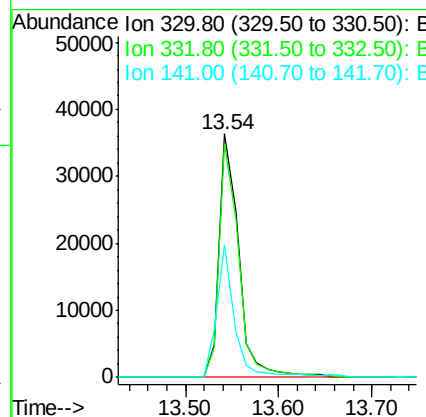
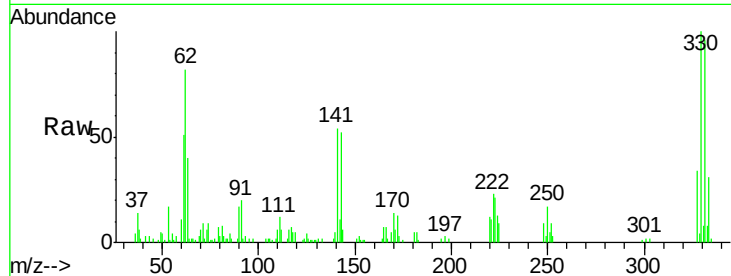
#41
 2,4,6-Tribromophenol
 Concen: 78.90 ng
 RT: 13.54 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BF089713.D
 Acq: 11 Aug 2016 00:21

Instrument :
 BNA_F
 ClientSampleId :
 DEL3(0-6)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	51.5	38.6	57.8

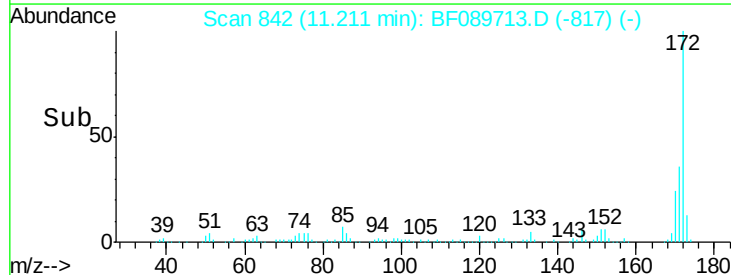
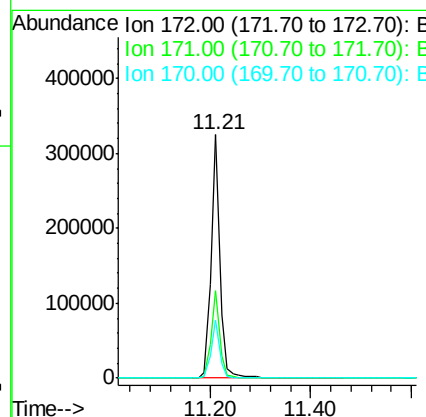
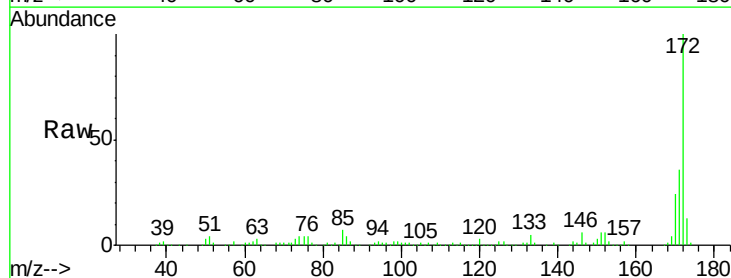
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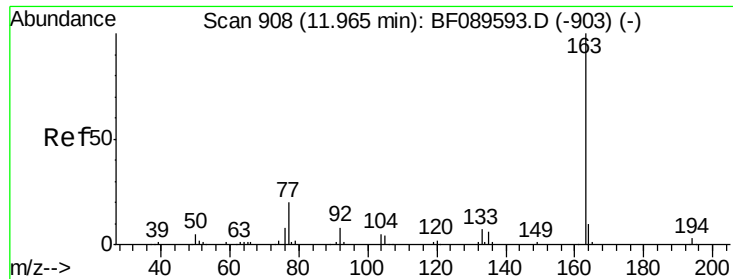
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#44
 2-Fluorobiphenyl
 Concen: 63.95 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF089713.D
 Acq: 11 Aug 2016 00:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.9	43.3
170	23.7	19.0	28.6





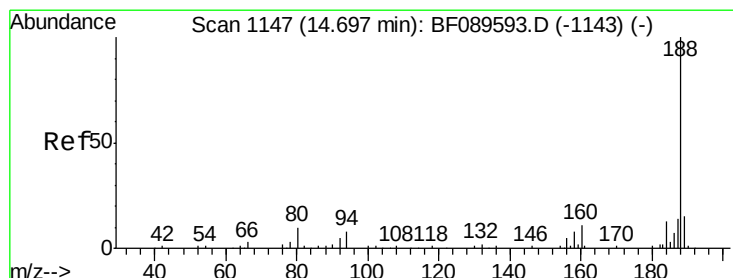
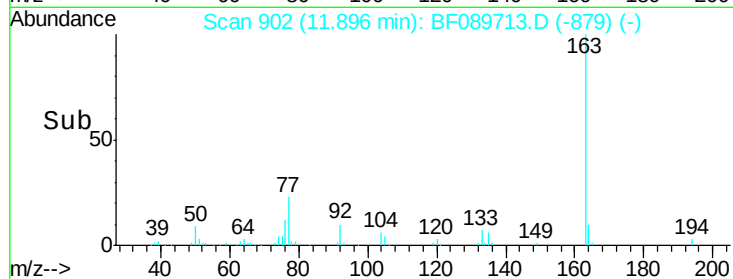
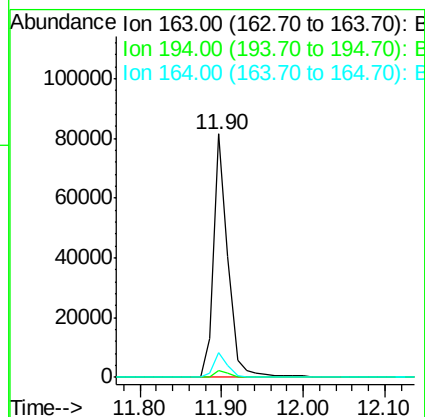
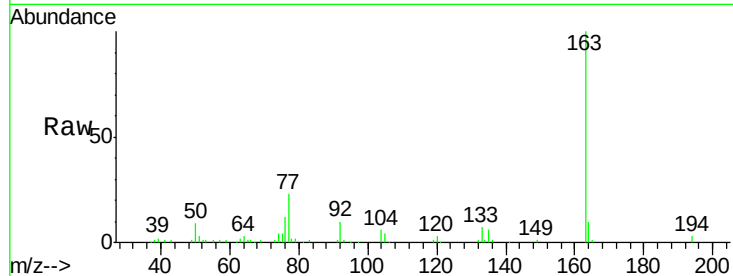
#49
Dimethylphthalate
Concen: 15.89 ng
RT: 11.90 min Scan# 902
Delta R.T. -0.03 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Instrument :
BNA_F
ClientSampled :
DEL3(0-6)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	101363		
194	3.0	2.7	4.1	
164	10.2	7.8	11.6	

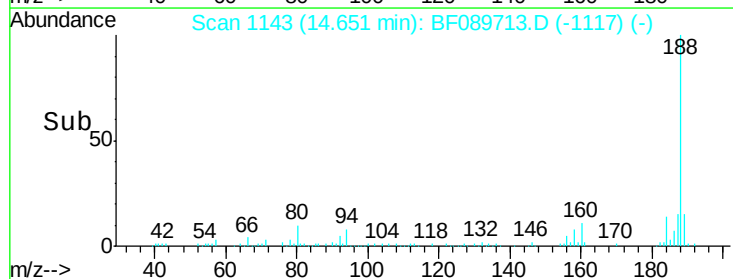
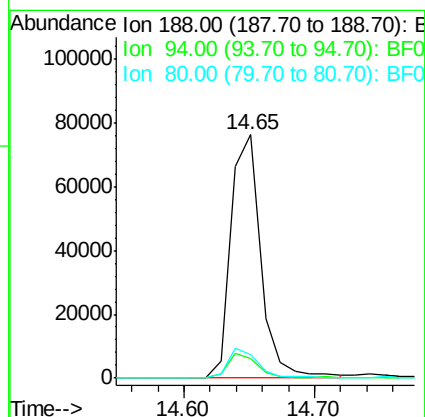
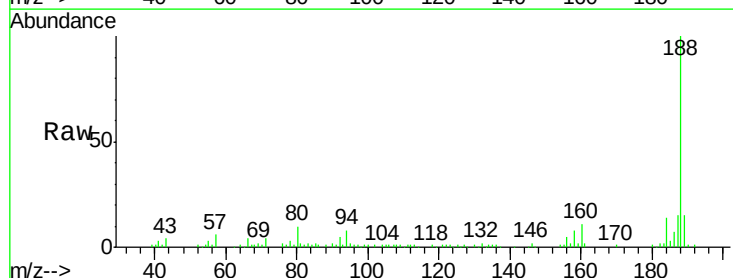
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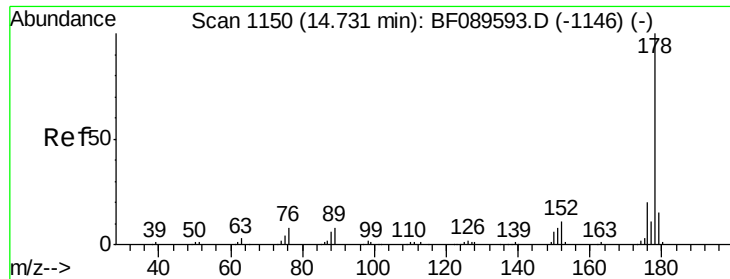
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.65 min Scan# 1143
Delta R.T. -0.00 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	121978		
94	8.2	6.5	9.7	
80	9.7	8.0	12.0	





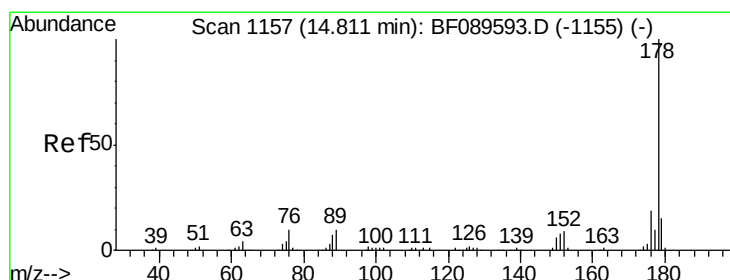
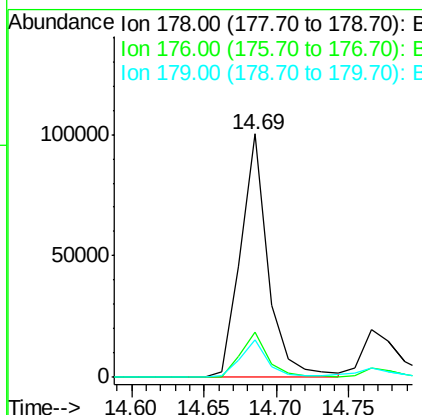
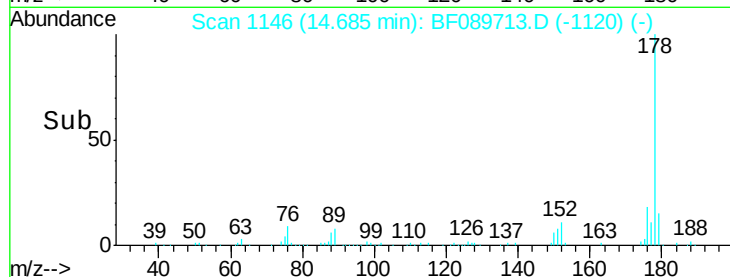
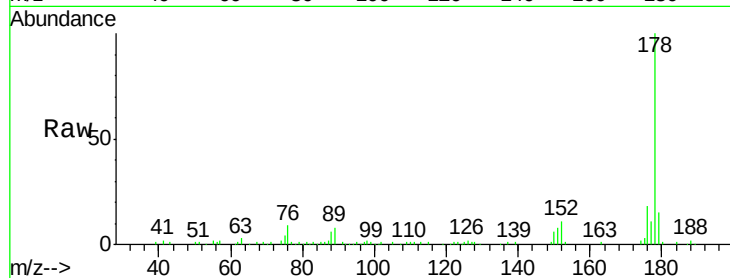
#70
Phenanthrene
Concen: 20.01 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.00 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Instrument :
BNA_F
ClientSampleId :
DEL3(0-6)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.7	23.5
179	15.2	12.2	18.2

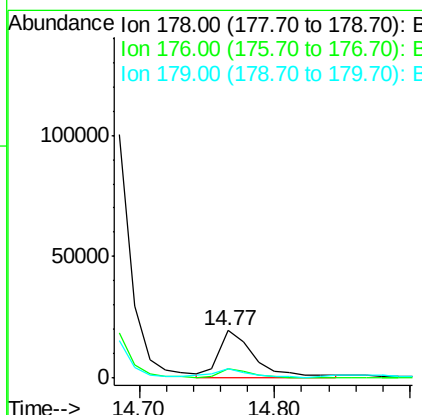
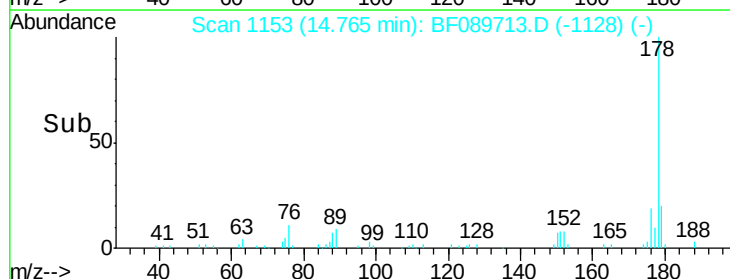
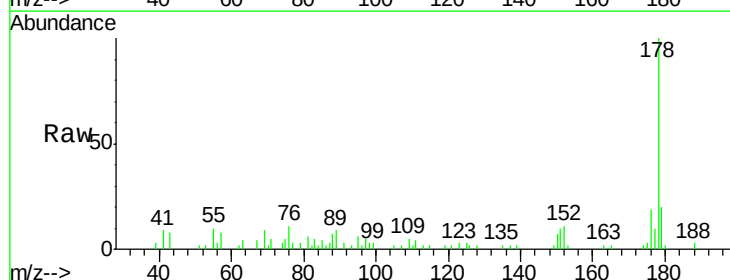
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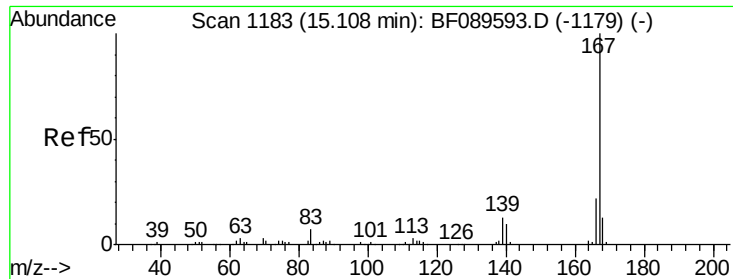
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#71
Anthracene
Concen: 5.21 ng m
RT: 14.77 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.0	22.4
179	19.8	12.4	18.6





#72

Carbazole

Concen: 3.23 ng

RT: 15.07 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

Instrument :

BNA_F

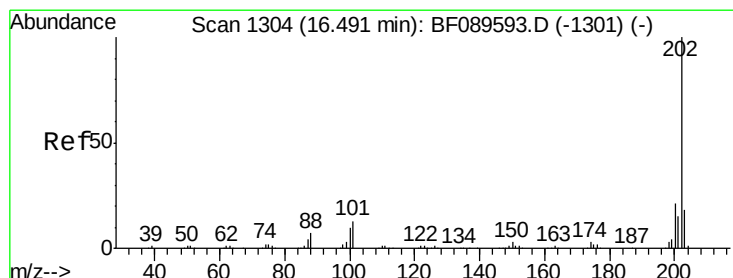
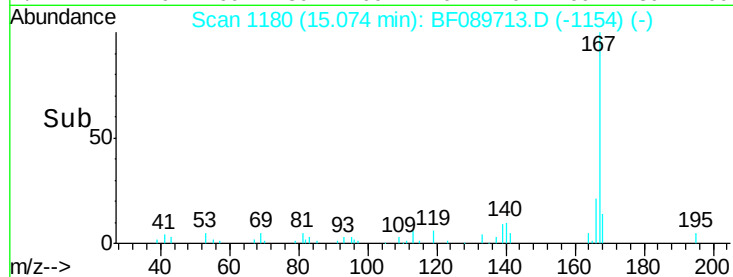
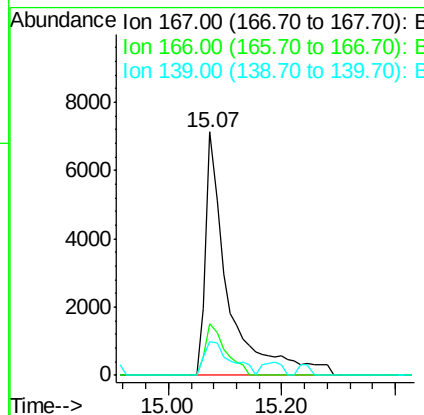
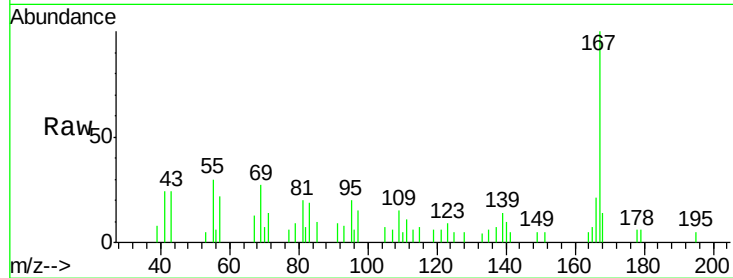
ClientSampleId :

DEL3(0-6)

Tgt Ion:	167	Resp:	19136
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.5	26.3
139	14.1	10.4	15.6

Manual Integrations
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#74

Fluoranthene

Concen: 25.97 ng

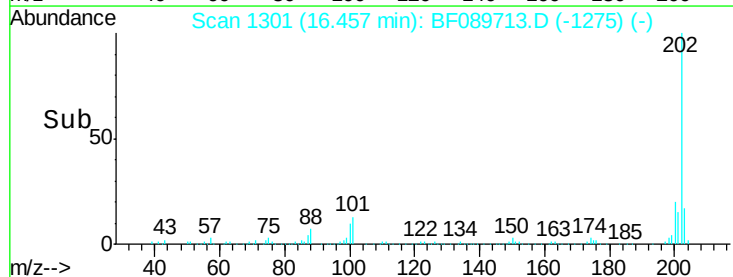
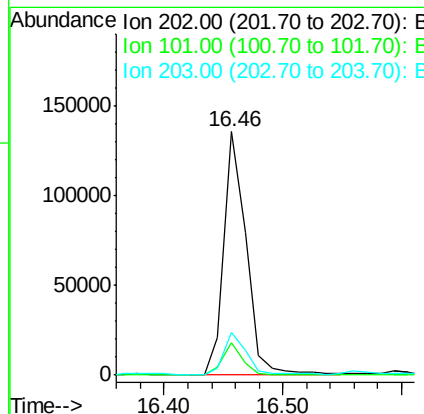
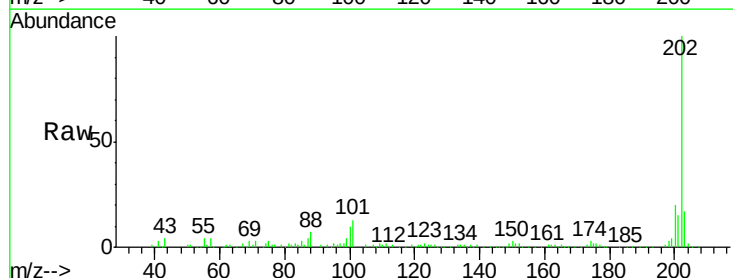
RT: 16.46 min Scan# 1301

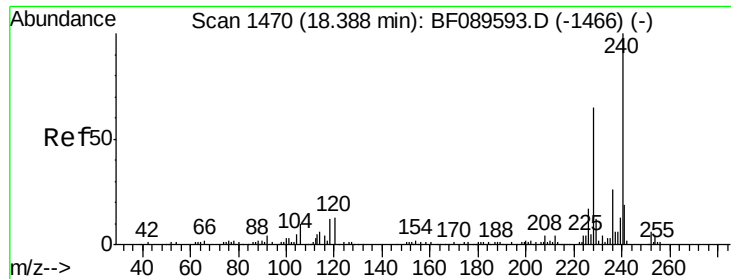
Delta R.T. -0.00 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

Tgt Ion:	202	Resp:	177052
Ion Ratio	Lower	Upper	
202	100		
101	13.2	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: BF089713.D

Acq: 11 Aug 2016 00:21

Instrument :

BNA_F

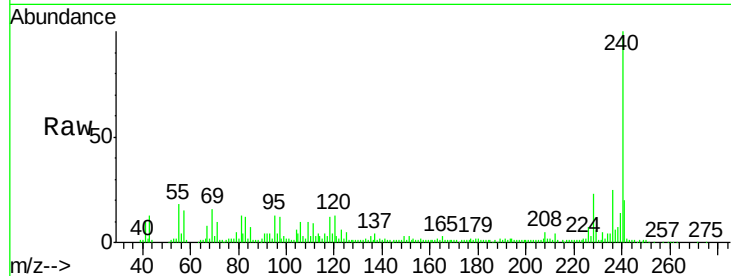
ClientSampleId :

DEL3(0-6)

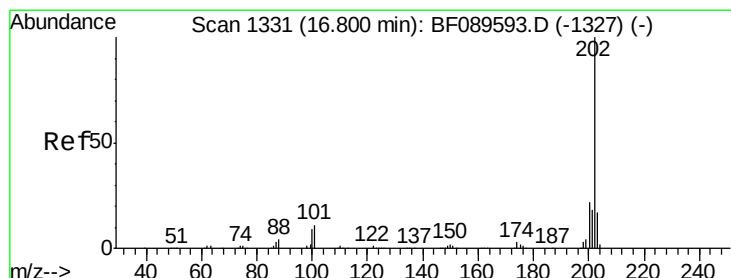
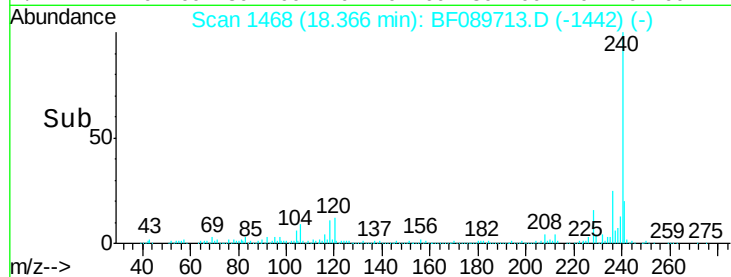
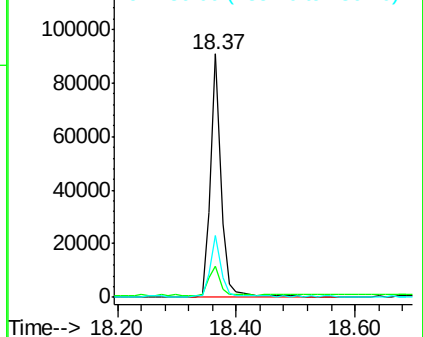
Tgt Ion:	240	Resp:	114143
Ion Ratio		Lower	Upper
240	100		
120	12.6	10.6	15.8
236	25.3	20.6	30.8

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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: 15.05 ng

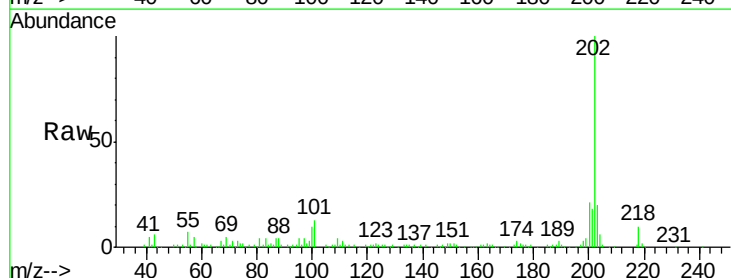
RT: 16.77 min Scan# 1328

Delta R.T. -0.00 min

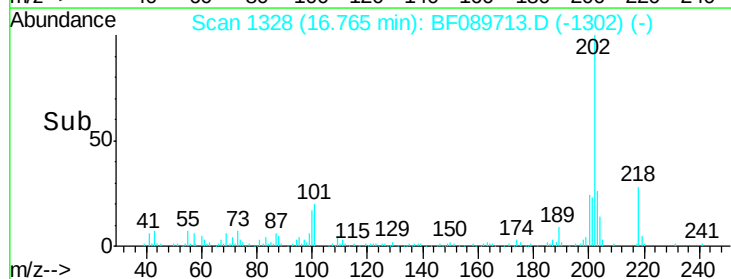
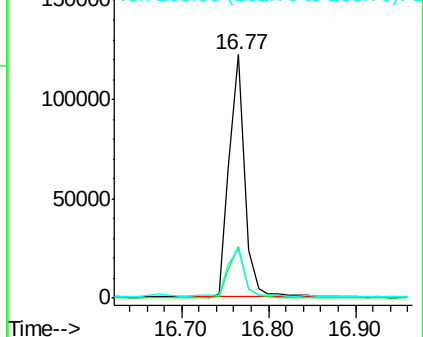
Lab File: BF089713.D

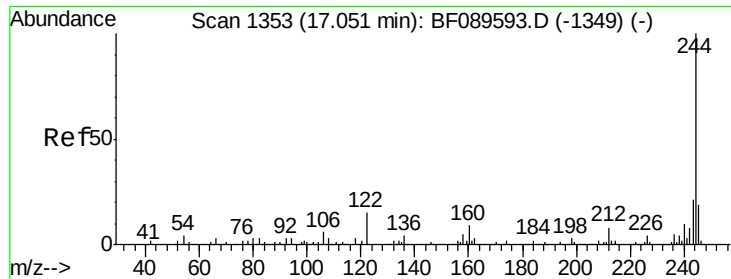
Acq: 11 Aug 2016 00:21

Tgt Ion:	202	Resp:	151868
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.4	26.0
203	20.3	13.6	20.4



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





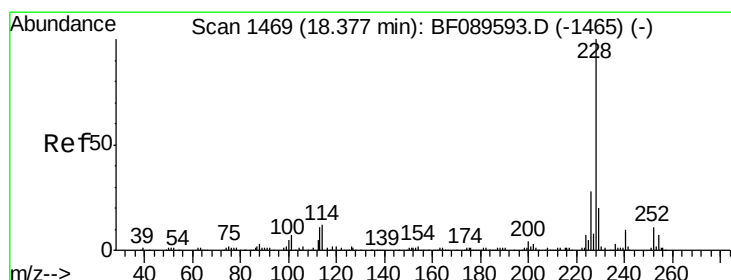
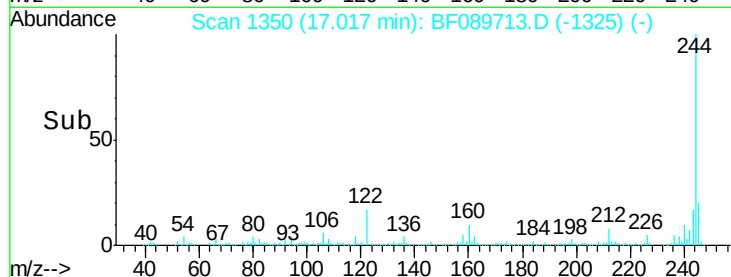
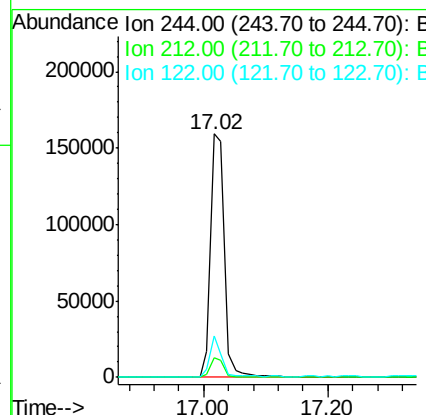
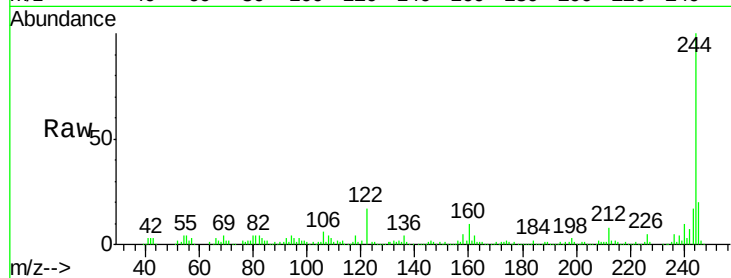
#78
 Terphenyl-d14
 Concen: 43.11 ng
 RT: 17.02 min Scan# 1350
 Delta R.T. -0.01 min
 Lab File: BF089713.D
 Acq: 11 Aug 2016 00:21

Instrument :
 BNA_F
 ClientSampleId :
 DEL3(0-6)

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	249268		
212	8.2	6.4	9.6	
122	17.0	12.2	18.2	

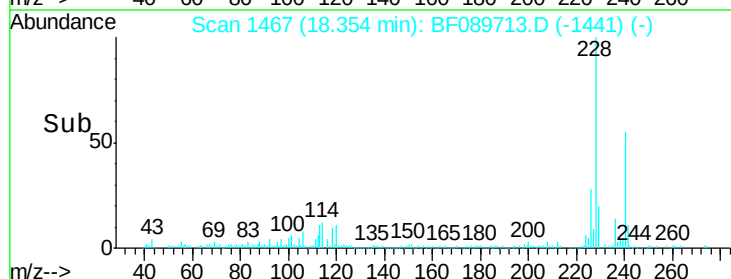
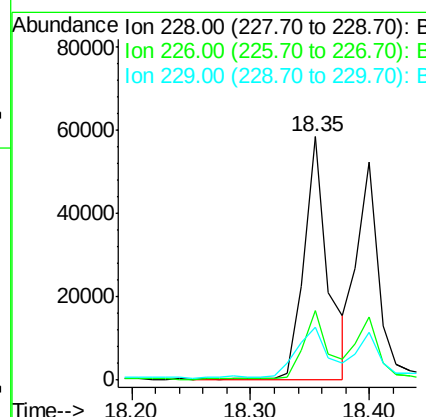
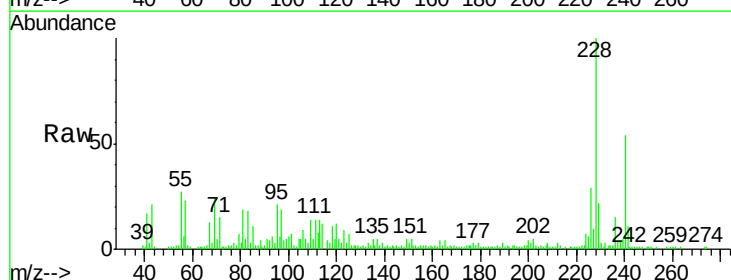
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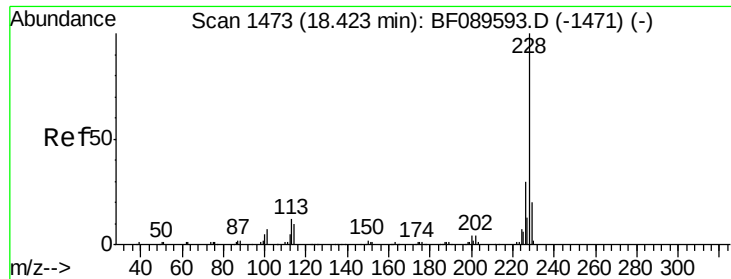
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#80
 Benzo(a)anthracene
 Concen: 12.65 ng
 RT: 18.35 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF089713.D
 Acq: 11 Aug 2016 00:21

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	82981		
226	28.7	22.3	33.5	
229	22.0	15.9	23.9	





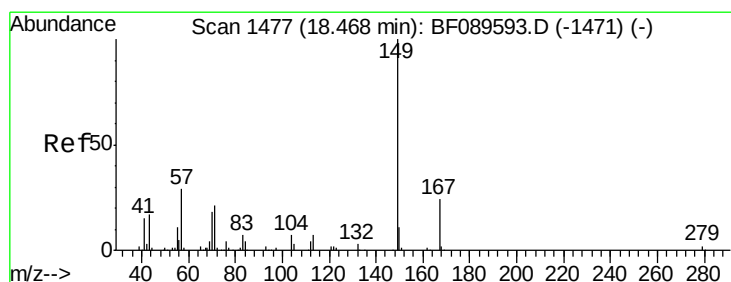
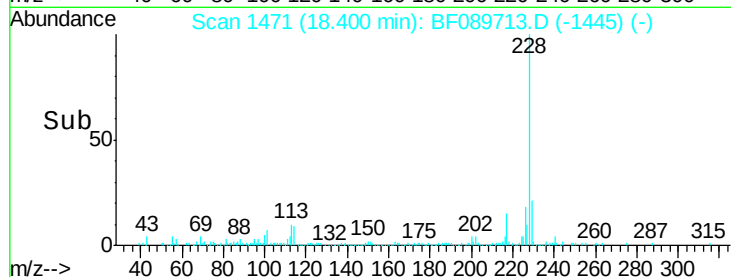
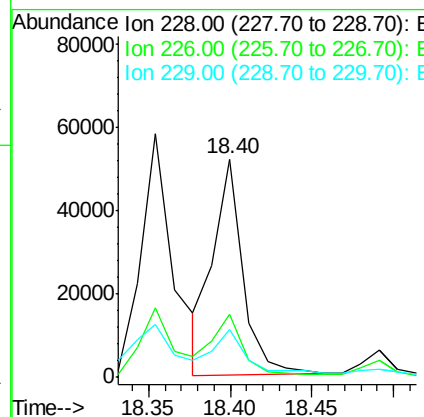
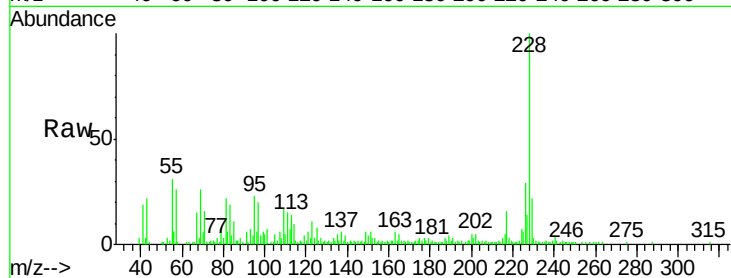
#82
Chrysene
 Concen: 9.63 ng
 RT: 18.40 min Scan# 1471
 Delta R.T. -0.00 min
 Lab File: BF089713.D
 Acq: 11 Aug 2016 00:21

Instrument :
 BNA_F
 ClientSampleId :
 DEL3(0-6)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.2	36.2
229	22.1	16.0	24.0

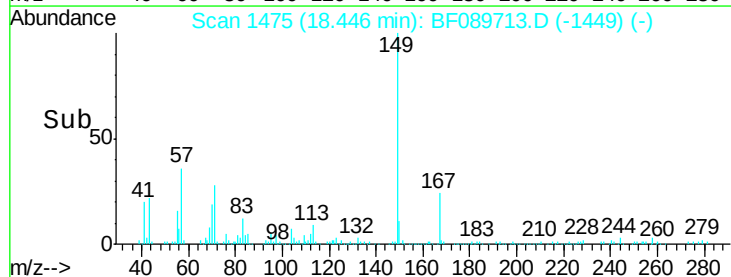
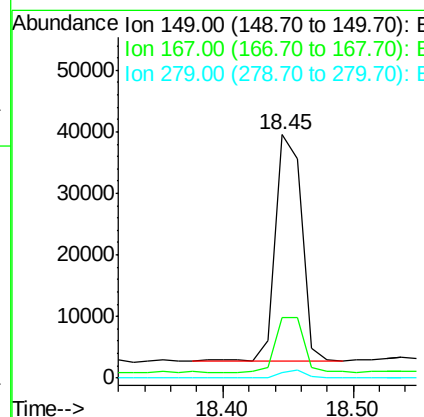
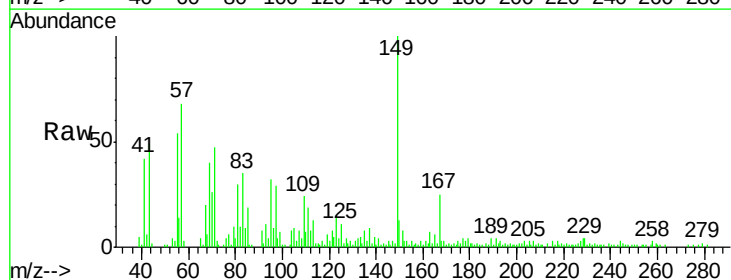
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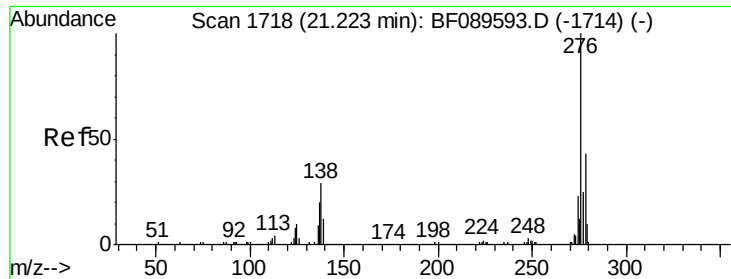
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#83
Bis(2-ethylhexyl)phthalate
 Concen: 8.76 ng
 RT: 18.45 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: BF089713.D
 Acq: 11 Aug 2016 00:21

Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.8	19.0	28.4
279	2.3	1.8	2.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.89 ng

RT: 21.22 min Scan# 1718

Delta R.T. 0.02 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

Instrument :

BNA_F

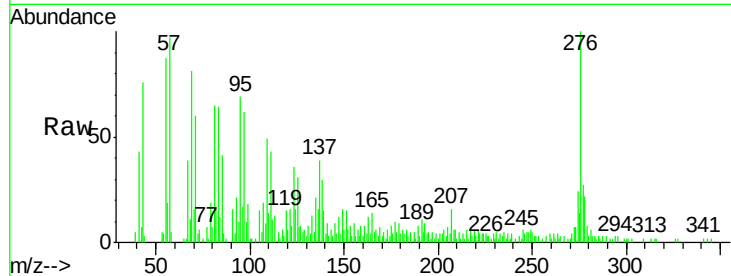
ClientSampleId :

DEL3(0-6)

Tgt Ion:	276	Resp:	30755
Ion Ratio	Lower	Upper	
276	100		
138	22.2	23.8	35.8#
277	24.2	20.3	30.5

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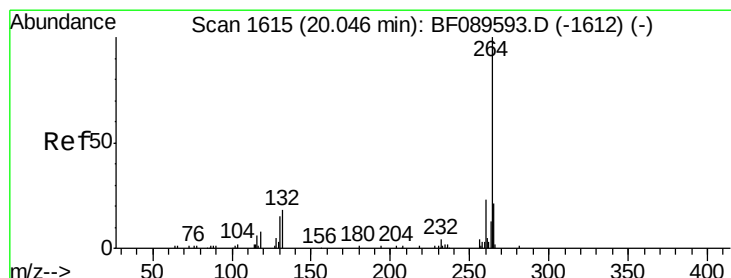
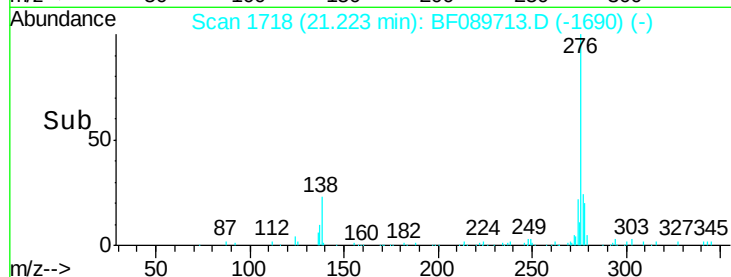
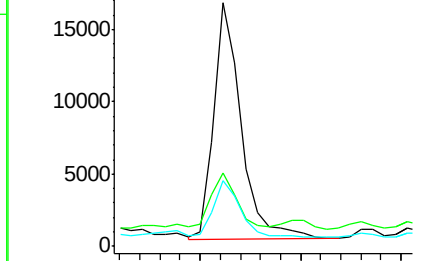
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Abundance Ion 276.00 (275.70 to 276.70): E

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

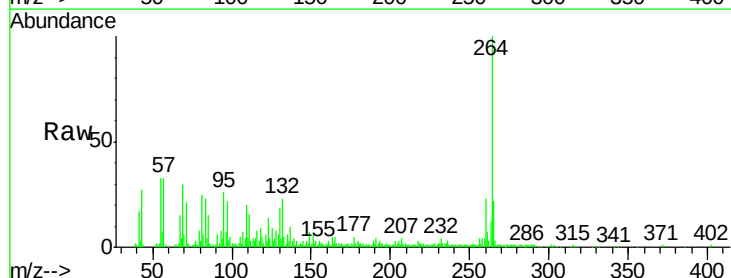
RT: 20.03 min Scan# 1614

Delta R.T. 0.01 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

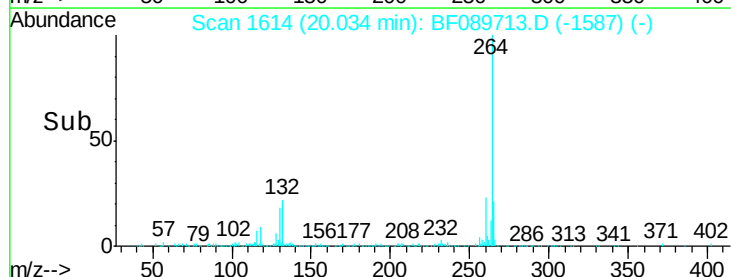
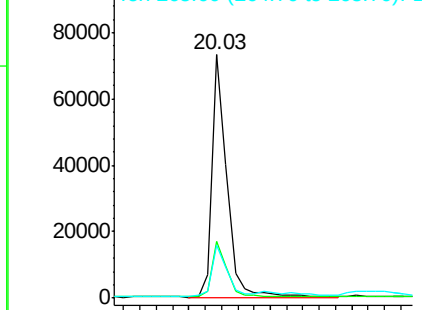
Tgt Ion:	264	Resp:	93006
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.7	28.1
265	21.7	16.5	24.7

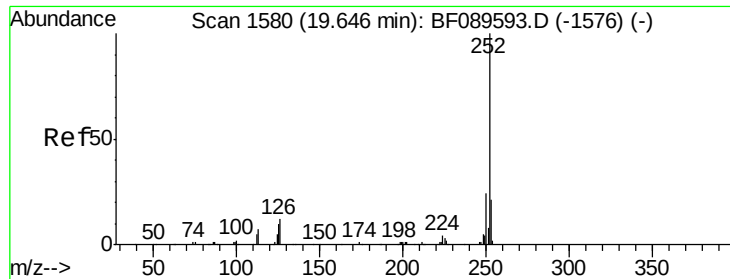


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 14.26 ng m

RT: 19.63 min Scan# 1579

Delta R.T. 0.01 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

Instrument :

BNA_F

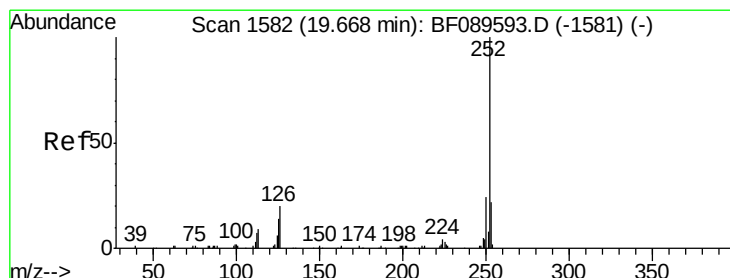
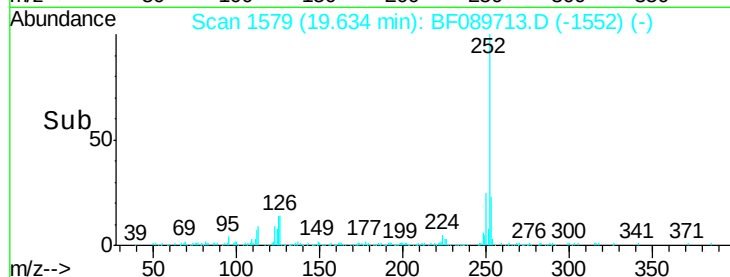
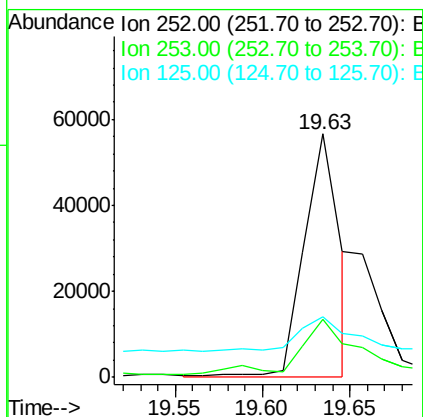
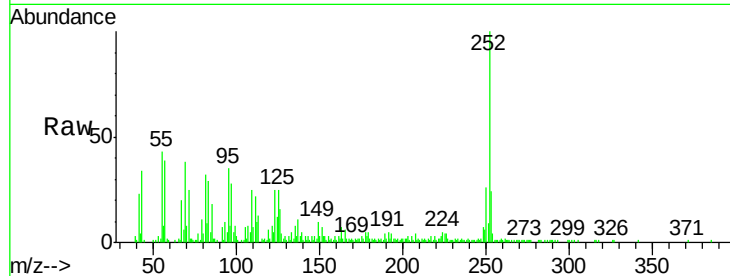
ClientSampleId :

DEL3(0-6)

Tgt Ion:	252	Resp:	81573
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.1	25.7
125	24.6	7.8	11.8#

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#88

Benzo(k)fluoranthene

Concen: 6.33 ng m

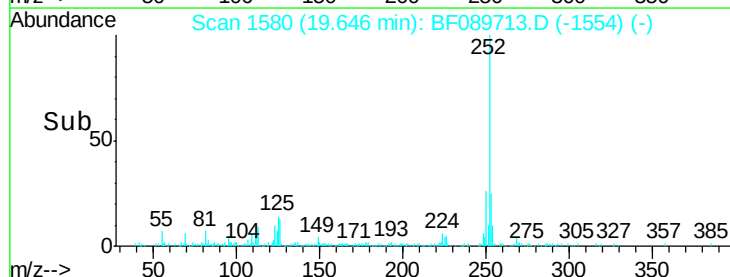
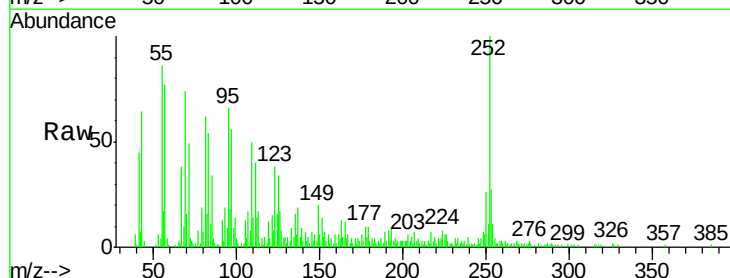
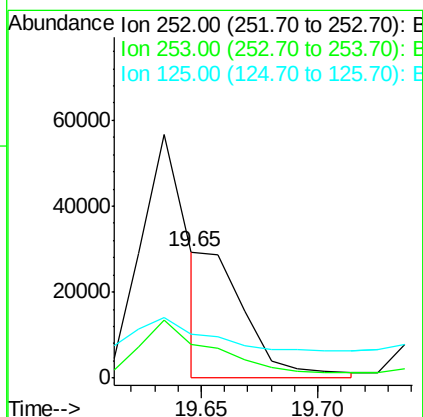
RT: 19.65 min Scan# 1580

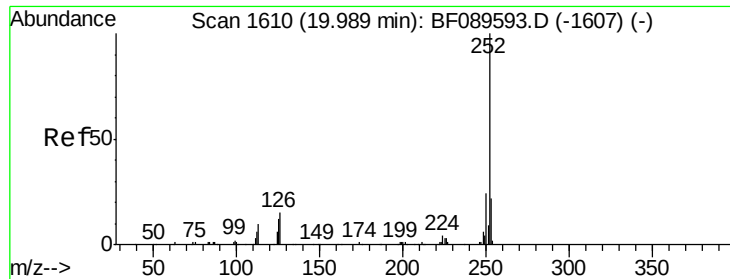
Delta R.T. -0.00 min

Lab File: BF089713.D

Acq: 11 Aug 2016 00:21

Tgt Ion:	252	Resp:	36515
Ion Ratio	Lower	Upper	
252	100		
253	27.0	17.3	25.9#
125	34.3	11.0	16.6#





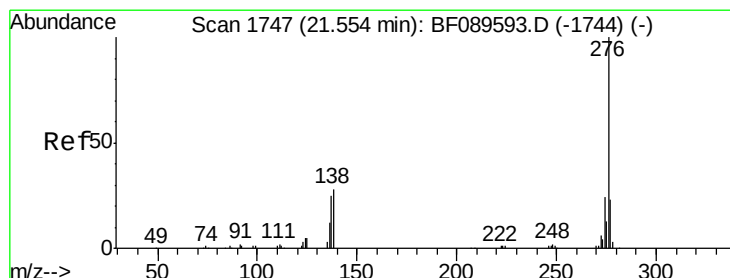
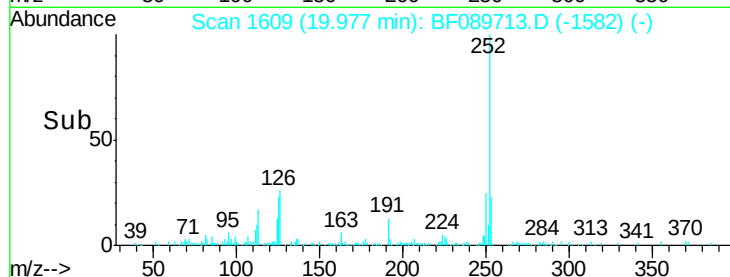
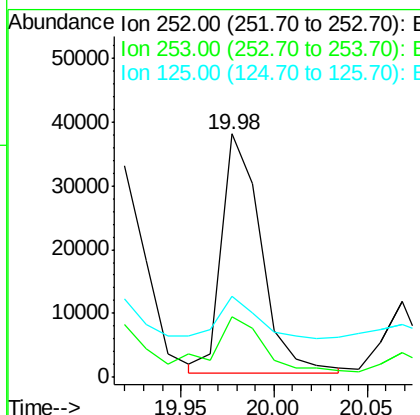
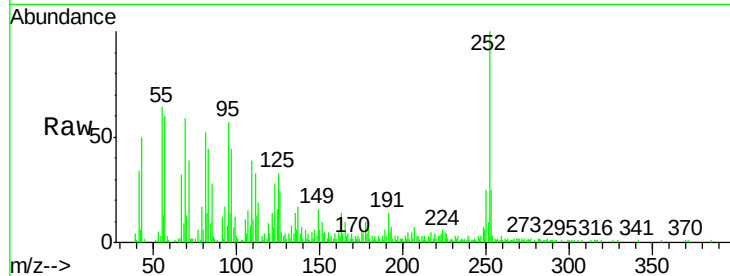
#89
Benzo(a)pyrene
Concen: 10.39 ng
RT: 19.98 min Scan# 1609
Delta R.T. 0.01 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Instrument :
BNA_F
ClientSampleId :
DEL3(0-6)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.4	26.0
125	33.4	9.9	14.9

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#91
Benzo(g,h,i)perylene
Concen: 5.70 ng
RT: 21.57 min Scan# 1748
Delta R.T. 0.03 min
Lab File: BF089713.D
Acq: 11 Aug 2016 00:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	18.6	28.0
138	29.3	22.6	33.8

