

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080316\
 Data File : BF089581.D
 Acq On : 4 Aug 2016 6:05
 Operator : UM/SJ
 Sample : H4216-04RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2(LOT107N)0-1RE

Manual Integrations
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Quant Time: Aug 04 08:12:49 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 04 07:58:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	52286	20.00	ng	-0.01
21) Naphthalene-d8	9.48	136	209941	20.00	ng	-0.01
38) Acenaphthene-d10	12.32	164	86271	20.00	ng	0.00
63) Phenanthrene-d10	14.71	188	126988	20.00	ng	-0.01
75) Chrysene-d12	18.40	240	108857	20.00	ng	-0.01
86) Perylene-d12	20.07	264	114313	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	359485	115.74	ng	0.01
7) Phenol-d6	7.00	99	480148	114.14	ng	0.00
23) Nitrobenzene-d5	8.38	82	301762	79.51	ng	0.00
41) 2,4,6-Tribromophenol	13.60	330	65331	95.34	ng	-0.01
44) 2-Fluorobiphenyl	11.28	172	526577	79.27	ng	0.00
78) Terphenyl-d14	17.07	244	301367	55.55	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	11.96	163	167871	25.40	ng	98
70) Phenanthrene	14.74	178	66001	9.73	ng	98
71) Anthracene	14.85	178	21925	2.96	ng	96
74) Fluoranthene	16.51	202	99909	14.55	ng	100
77) Pyrene	16.81	202	94333	9.75	ng	96
80) Benzo(a)anthracene	18.39	228	49673m	7.83	ng	
82) Chrysene	18.43	228	40200	6.15	ng	98
85) Indeno(1,2,3-cd)pyrene	21.27	276	32760	7.56	ng	# 94
87) Benzo(b)fluoranthene	19.67	252	56360m	8.07	ng	
88) Benzo(k)fluoranthene	19.68	252	30088m	4.39	ng	
89) Benzo(a)pyrene	20.01	252	49325	7.62	ng	# 93
91) Benzo(a,h,i)perylene	21.61	276	32780	5.10	ng	95

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

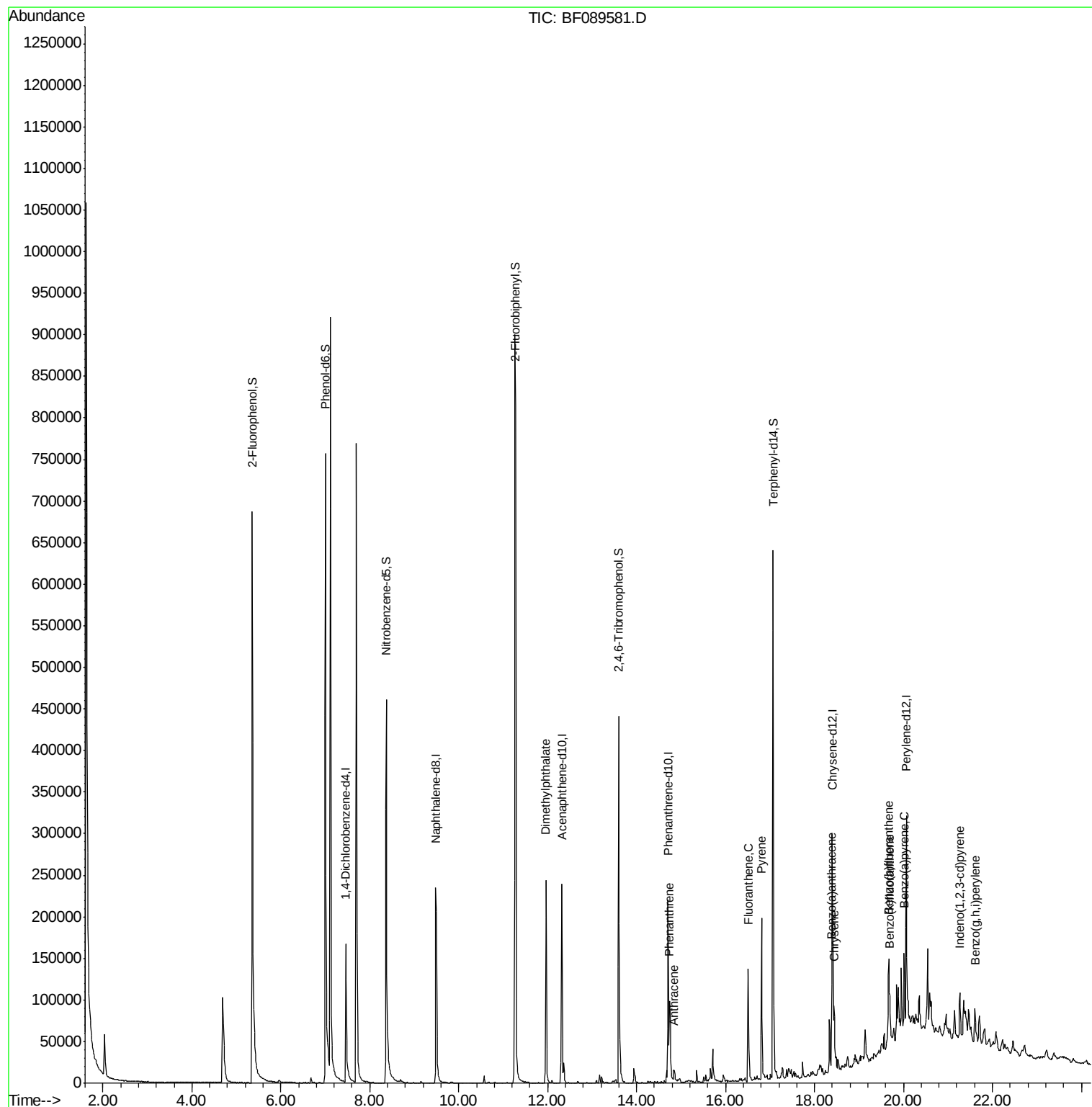
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080316\
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ALS Vial : 16 Sample Multiplier: 1

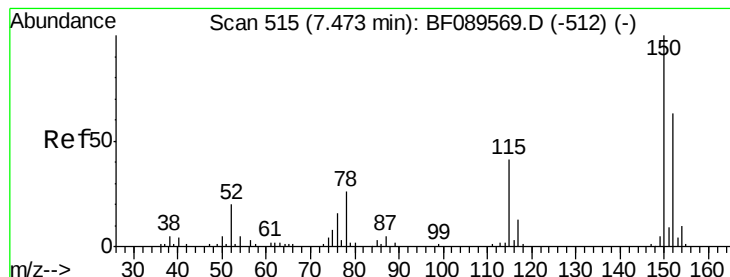
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080316.M
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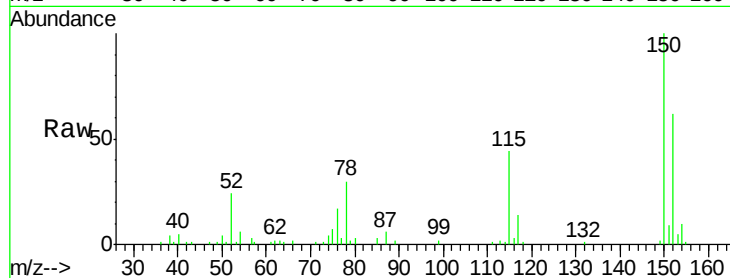
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.46 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-2(LOT107N)0-1RE

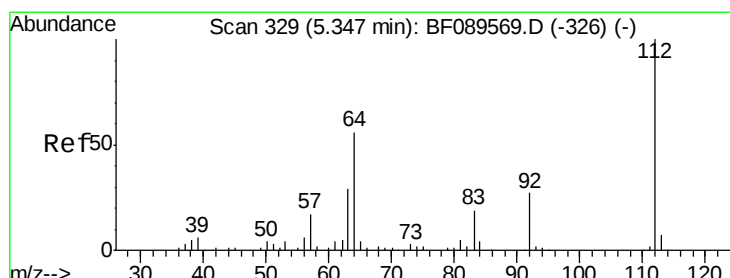
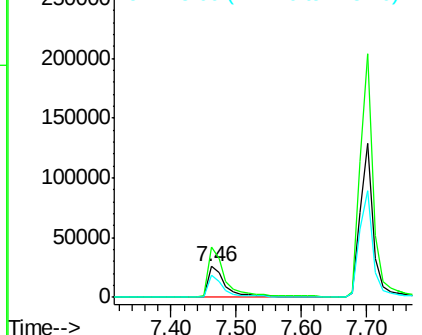
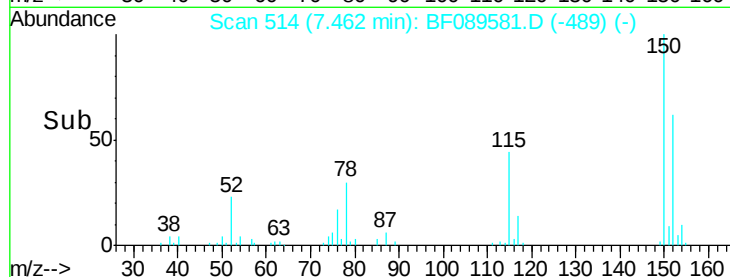
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	127.4	191.2
115	71.2	51.8	77.8

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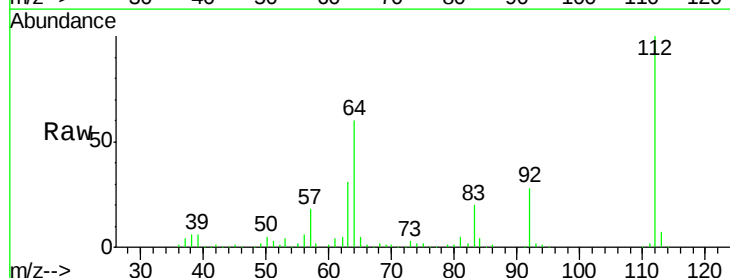


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

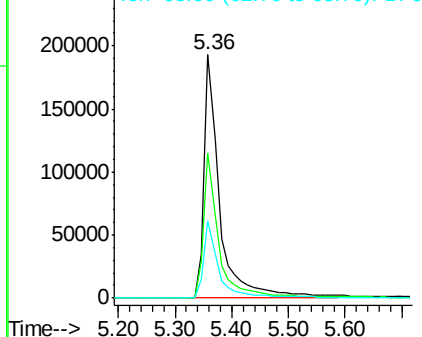
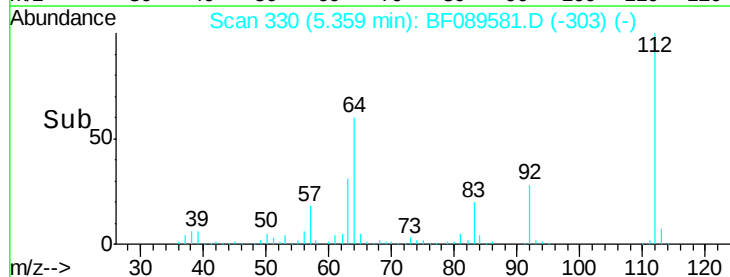


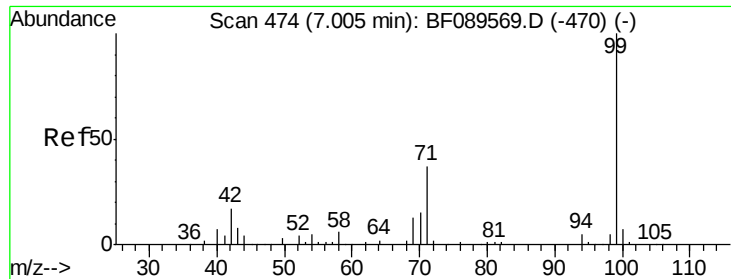
#5
 2-Fluorophenol
 Concen: 115.74 ng
 RT: 5.36 min Scan# 330
 Delta R.T. 0.01 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	45.2	67.8
63	31.5	23.1	34.7



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





#7

Phenol-d6

Concen: 114.14 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.00 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

Instrument :

BNA_F

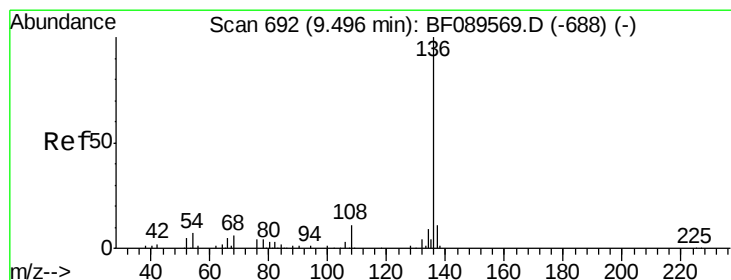
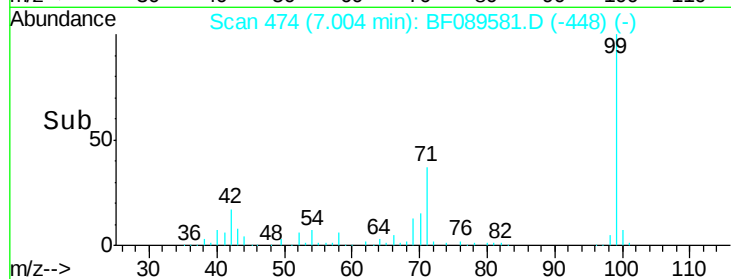
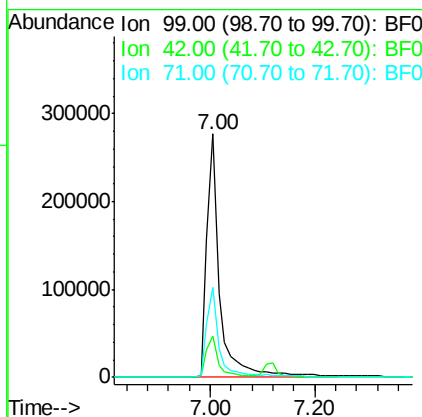
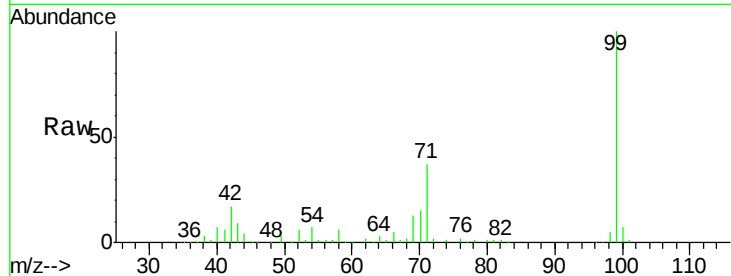
ClientSampleId :

SP-2(LOT107N)0-1RE

Tot Ion:	99	Resp:	480148
Ion Ratio	Lower	Upper	
99	100		
42	17.2	13.9	20.9
71	36.9	29.3	43.9

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#21

Naphthalene-d8

Concen: 20.00 ng

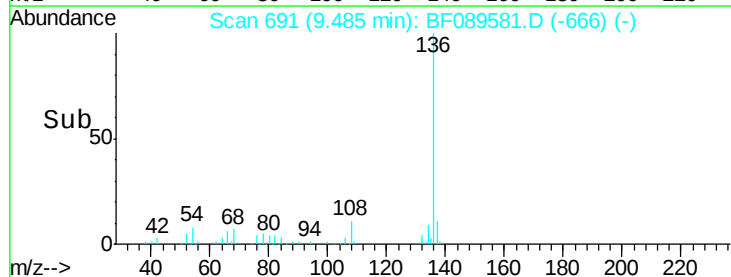
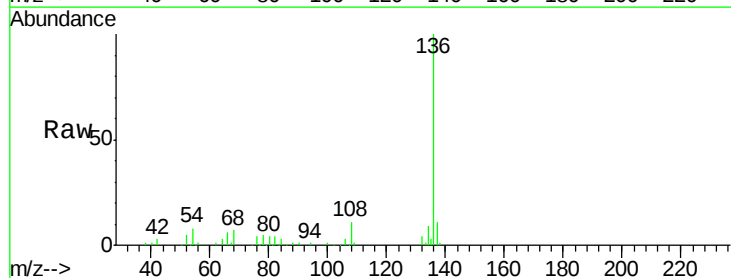
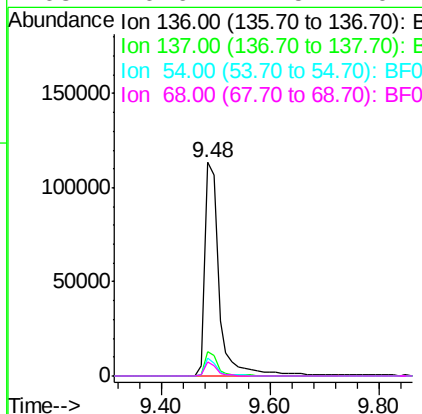
RT: 9.48 min Scan# 691

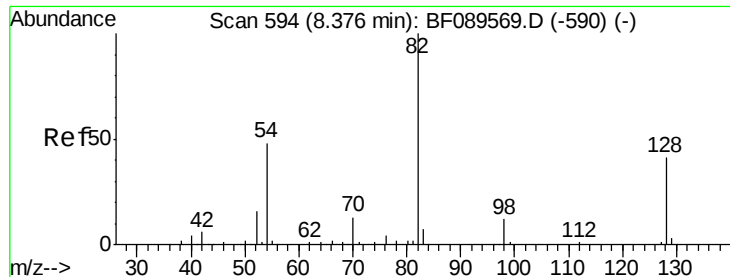
Delta R.T. -0.01 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

Tgt Ion:	136	Resp:	209941
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.8	13.2
54	8.2	5.9	8.9
68	6.6	4.5	6.7





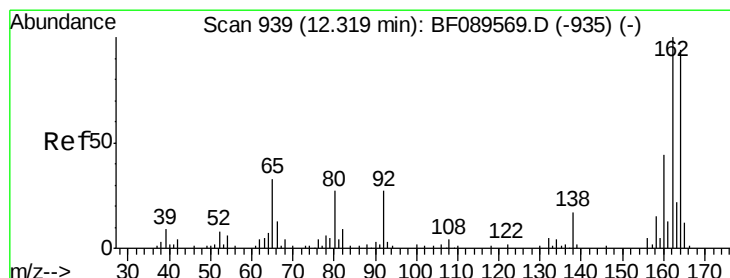
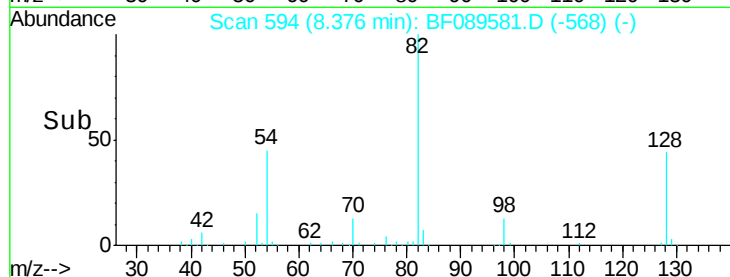
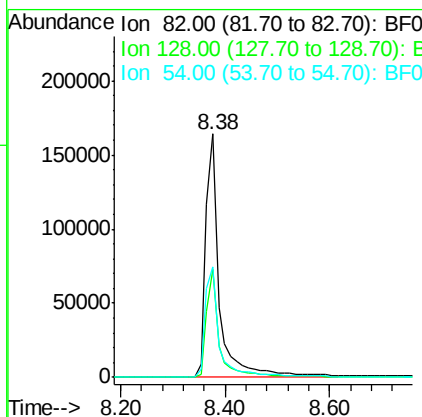
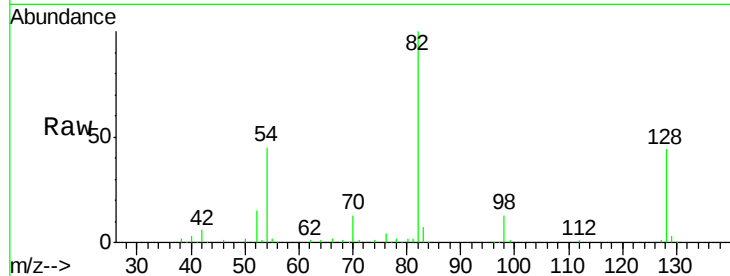
#23
Nitrobenzene-d5
Concen: 79.51 ng
RT: 8.38 min Scan# 594
Delta R.T. -0.00 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Instrument :
BNA_F
ClientSampleId :
SP-2(LOT107N)0-1RE

Tot Ion	82	Resp	301762
Ion Ratio	100	Lower	Upper
128	44.4	32.4	48.6
54	45.4	38.6	58.0

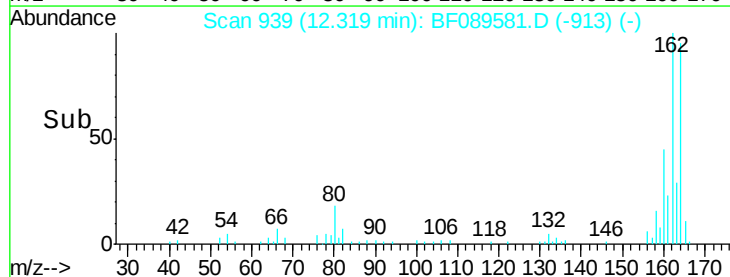
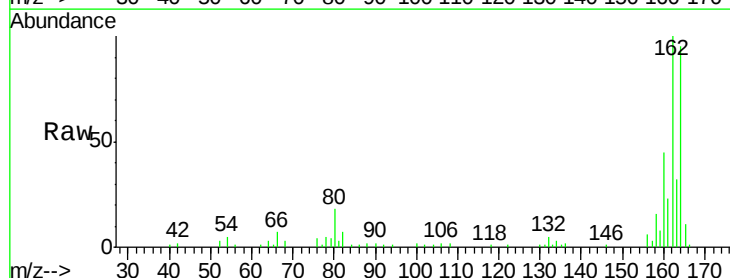
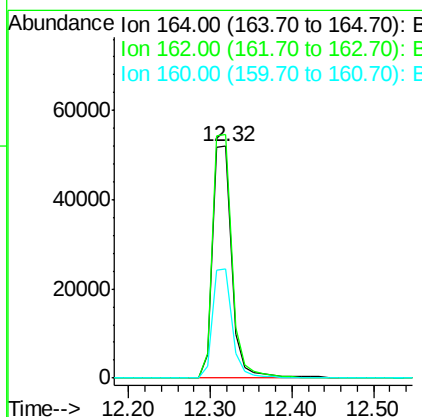
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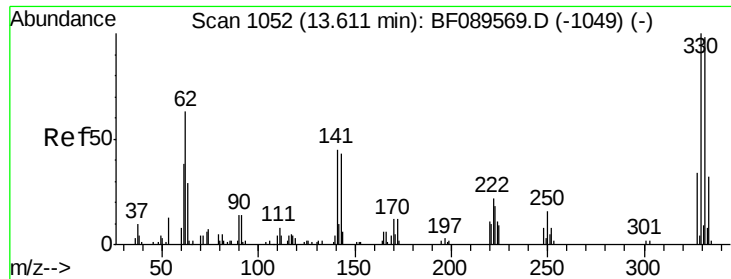
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.32 min Scan# 939
Delta R.T. -0.00 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Tgt Ion	164	Resp	86271
Ion Ratio	100	Lower	Upper
162	105.0	85.4	128.2
160	47.1	37.3	55.9





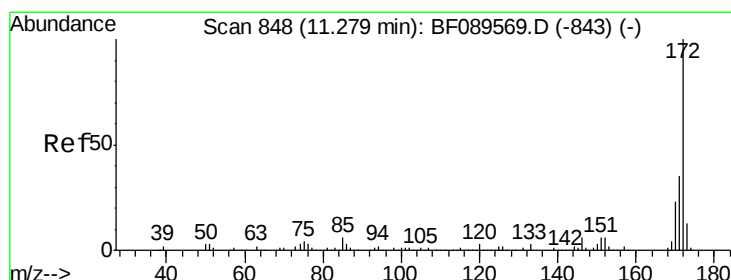
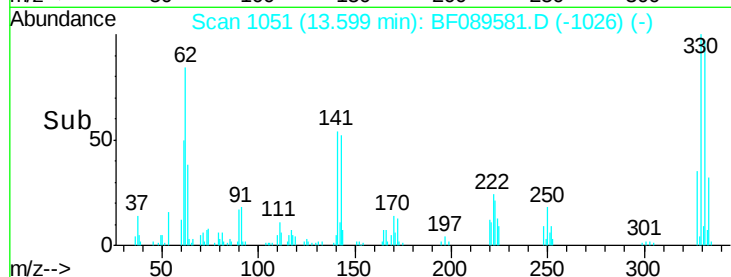
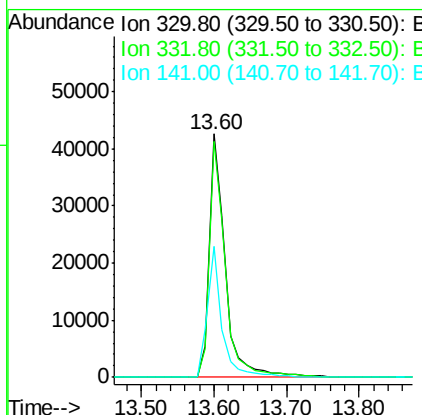
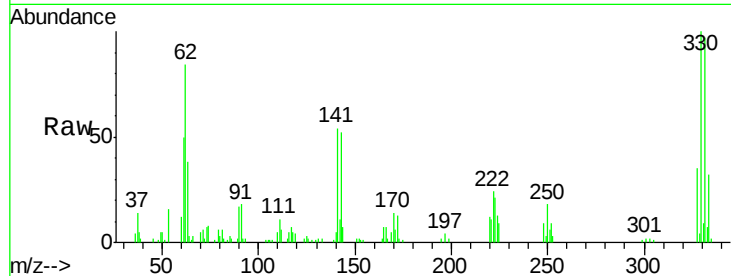
#41
 2,4,6-Tribromophenol
 Concen: 95.34 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-2(LOT107N)0-1RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.7	115.1
141	49.5	40.3	60.5

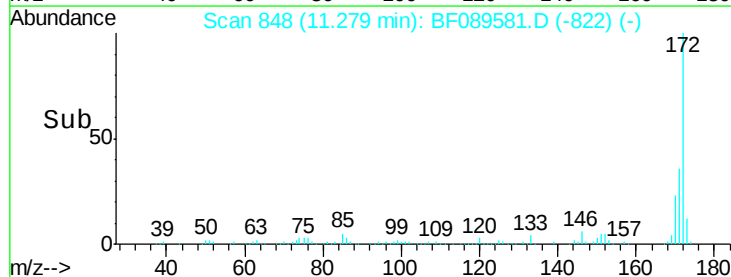
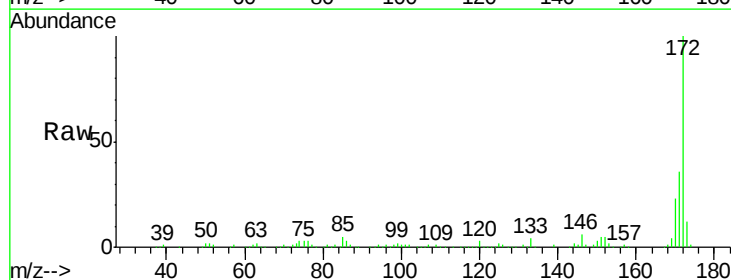
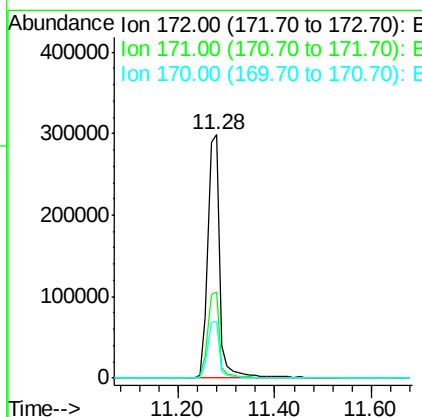
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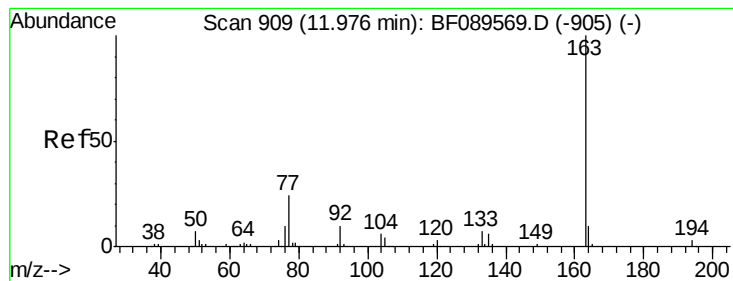
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#44
 2-Fluorobiphenyl
 Concen: 79.27 ng
 RT: 11.28 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.1	42.1
170	23.3	18.6	28.0





#49

Dimethylphthalate

Concen: 25.40 ng

RT: 11.96 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

Instrument :

BNA_F

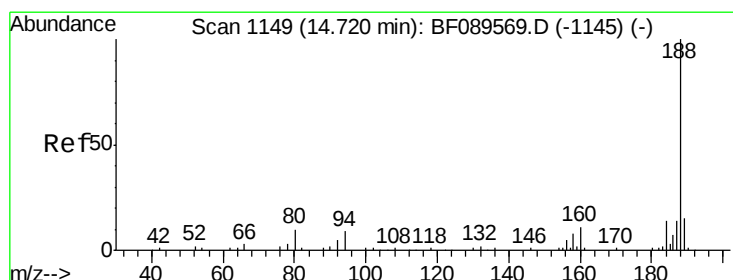
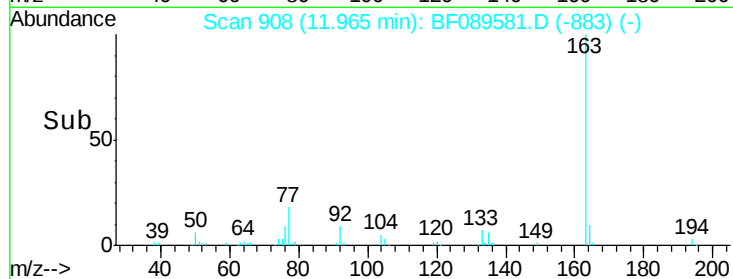
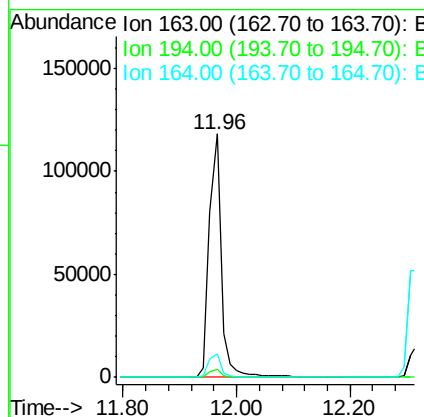
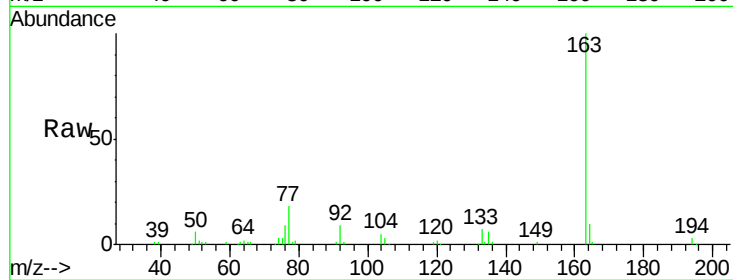
ClientSampleId :

SP-2(LOT107N)0-1RE

Tot Ion:	163	Resp:	167871
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.4	3.6
164	9.6	8.2	12.4

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#63

Phenanthrene-d10

Concen: 20.00 ng

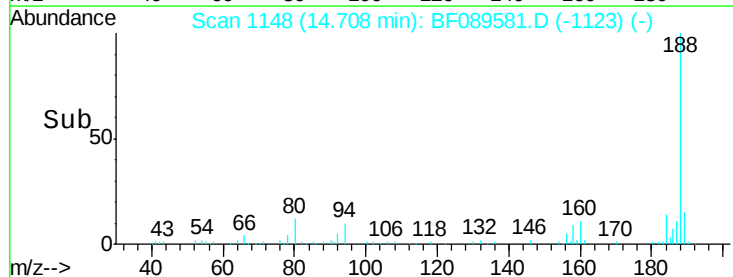
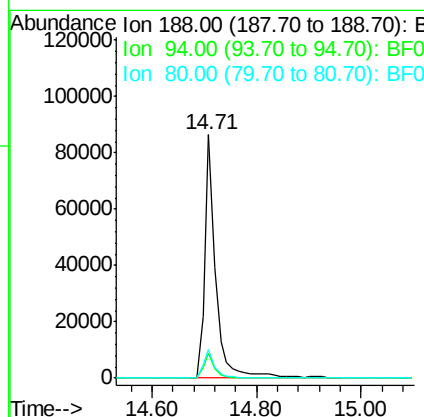
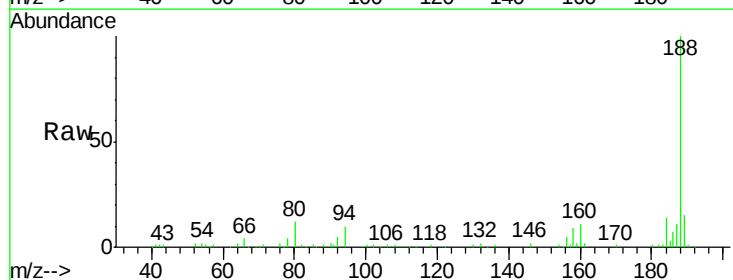
RT: 14.71 min Scan# 1148

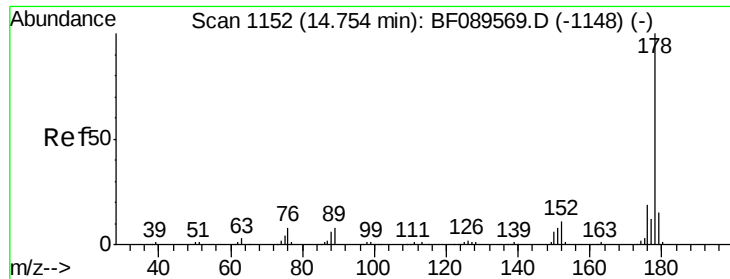
Delta R.T. -0.01 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

Tgt Ion:	188	Resp:	126988
Ion Ratio	Lower	Upper	
188	100		
94	10.0	7.0	10.4
80	11.5	7.7	11.5





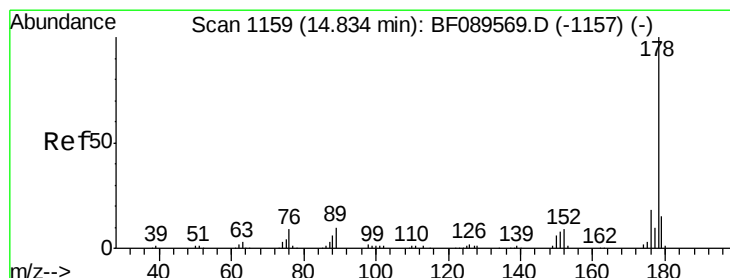
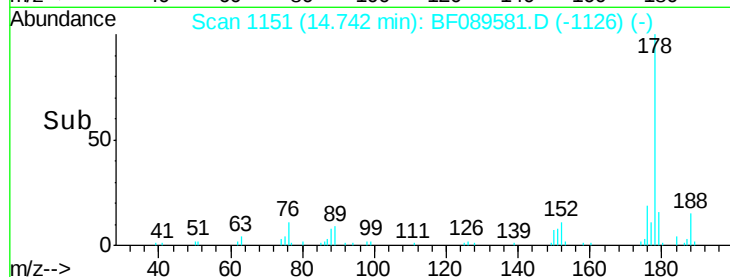
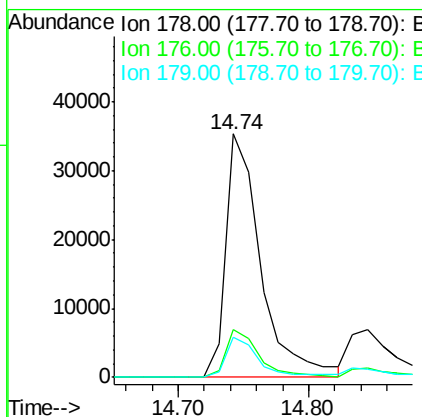
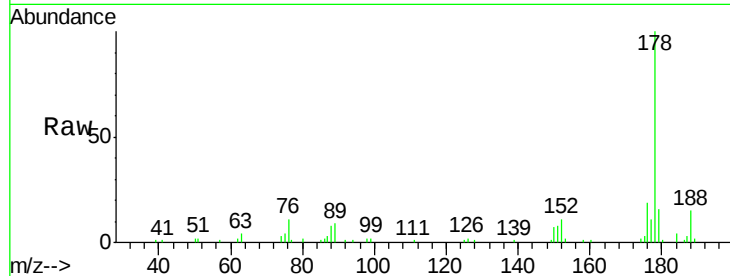
#70
Phenanthrene
Concen: 9.73 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.2	22.8
179	16.3	12.2	18.4

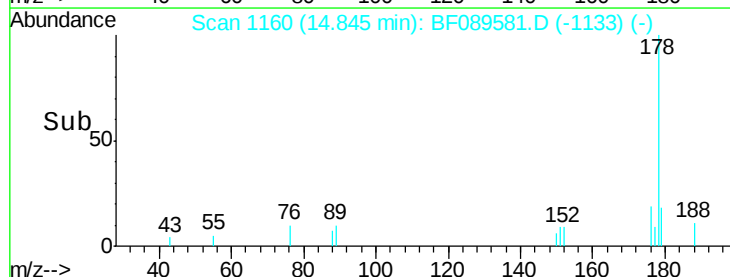
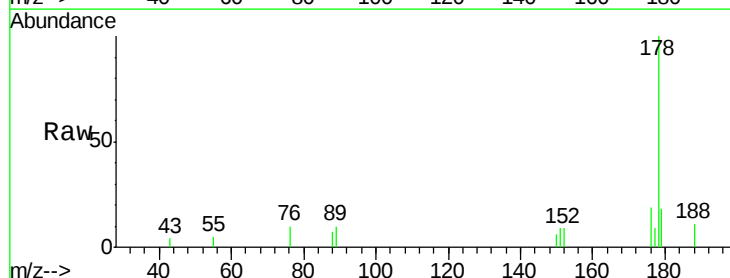
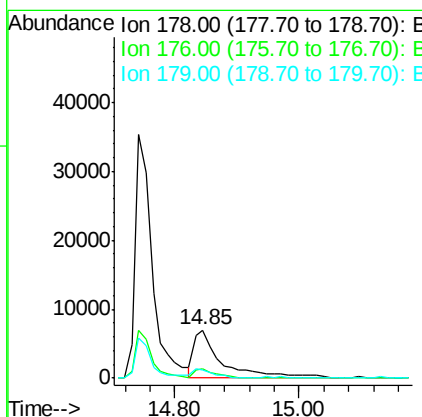
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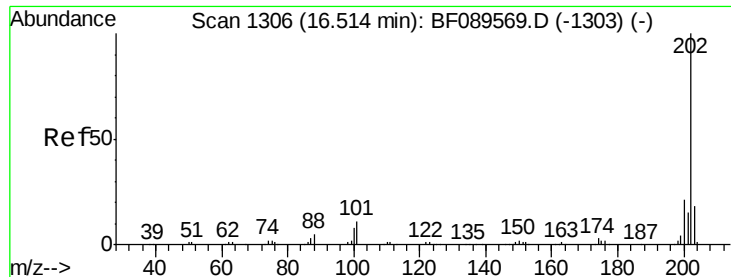
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#71
Anthracene
Concen: 2.96 ng
RT: 14.85 min Scan# 1160
Delta R.T. 0.01 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	18.2	12.2	18.2





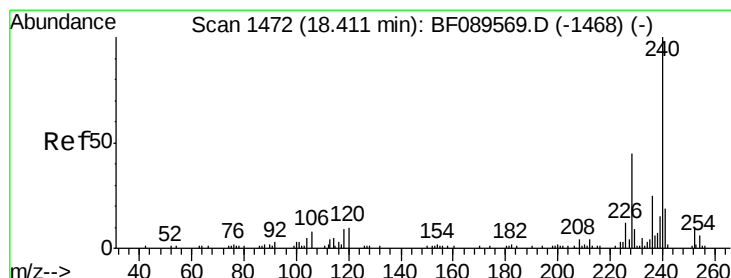
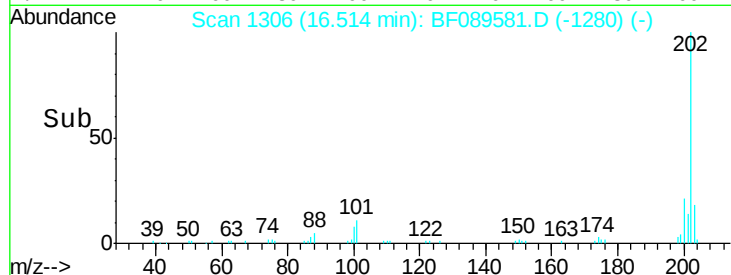
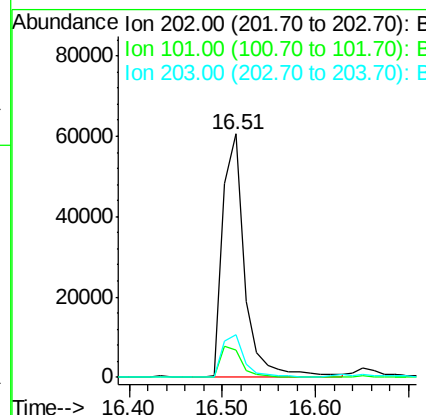
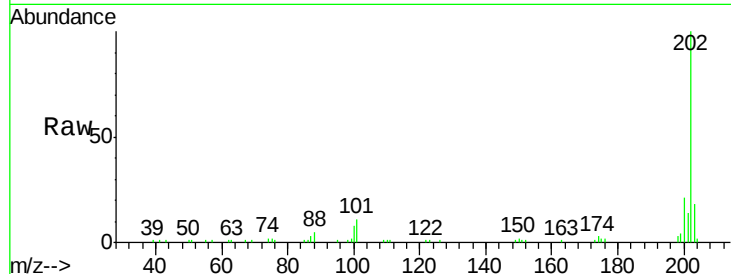
#74
 Fluoranthene
 Concen: 14.55 ng
 RT: 16.51 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Instrument :
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Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.0	0.0	31.0
203	17.7	0.0	37.7

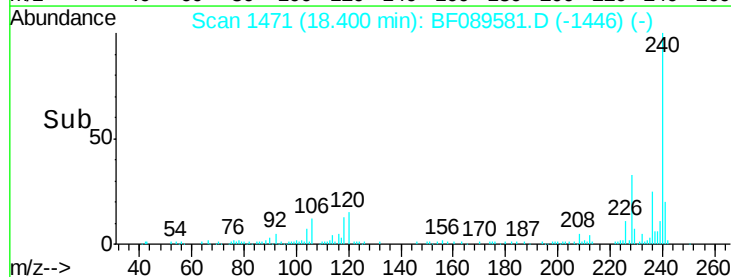
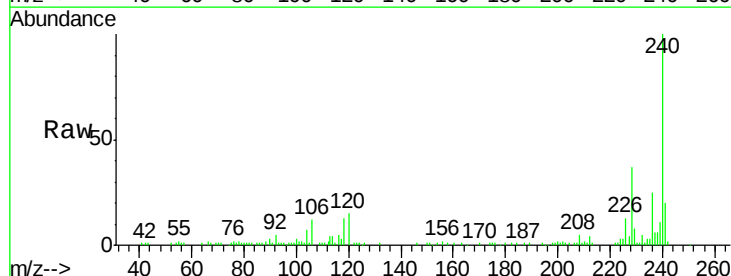
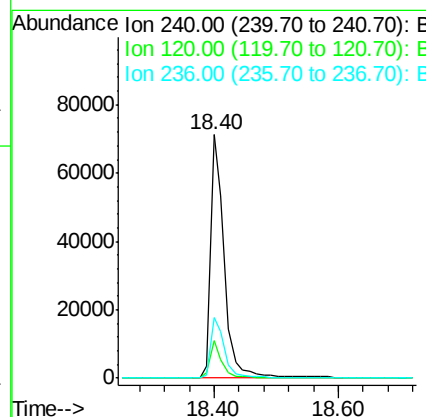
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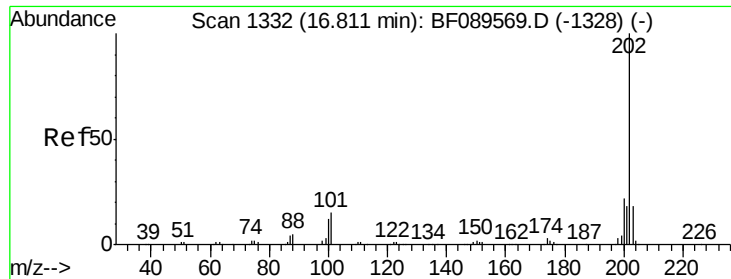
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.40 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.4	8.2	12.2#
236	24.7	20.3	30.5





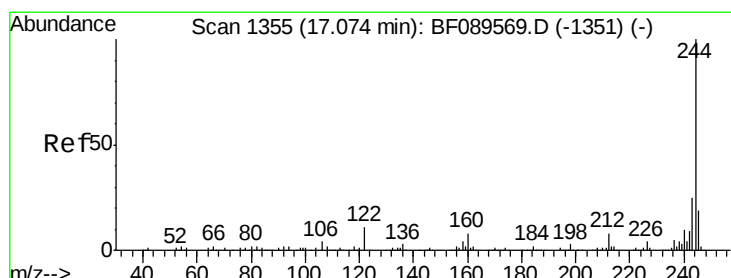
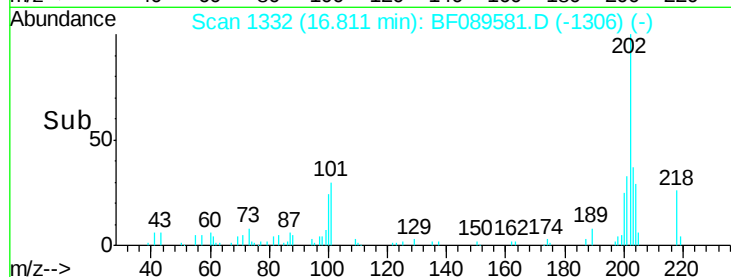
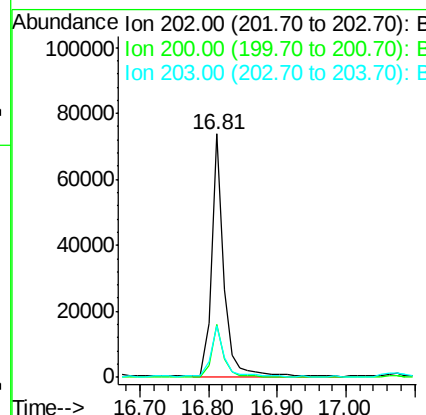
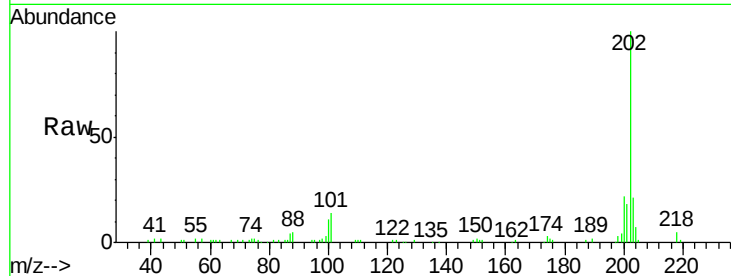
#77
Pvrene
Concen: 9.75 ng
RT: 16.81 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Instrument :
BNA_F
ClientSampleId :
SP-2(LOT107N)0-1RE

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	21.2	14.2	21.2

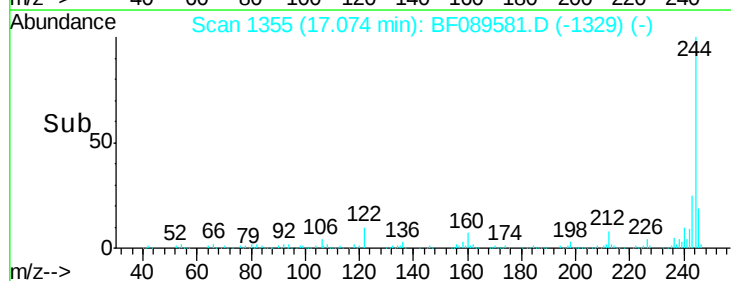
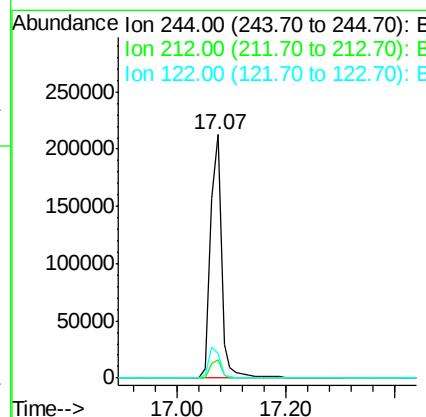
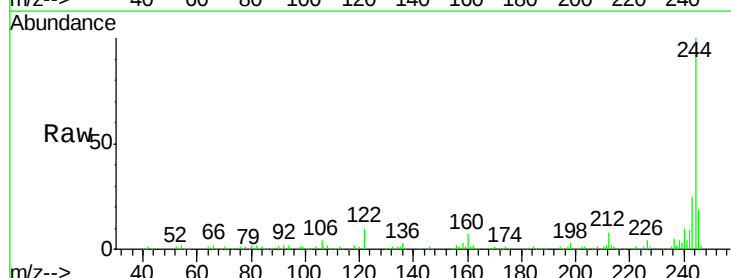
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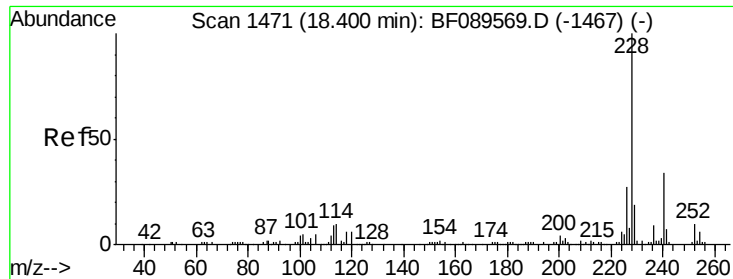
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#78
Terphenyl-d14
Concen: 55.55 ng
RT: 17.07 min Scan# 1355
Delta R.T. -0.00 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.4
122	10.4	8.5	12.7





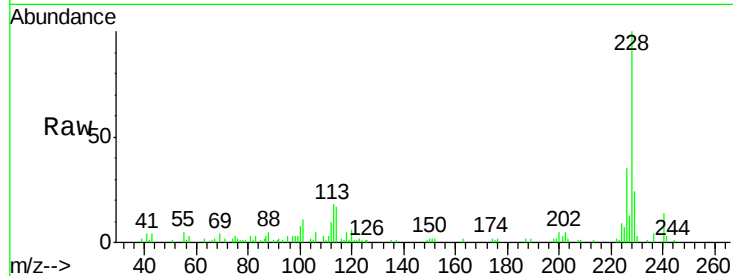
#80
Benzo(a)anthracene
Concen: 7.83 ng m
RT: 18.39 min Scan# 1470
Delta R.T. -0.01 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Instrument :
BNA_F
ClientSampleId :
SP-2(LOT107N)0-1RE

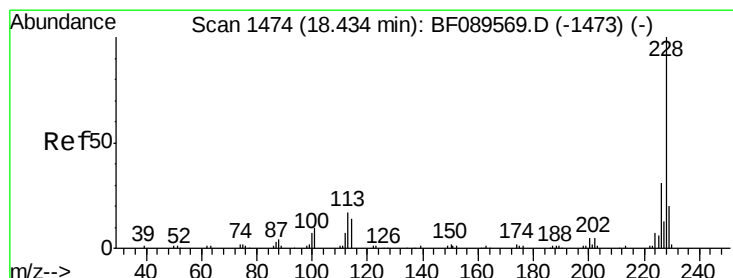
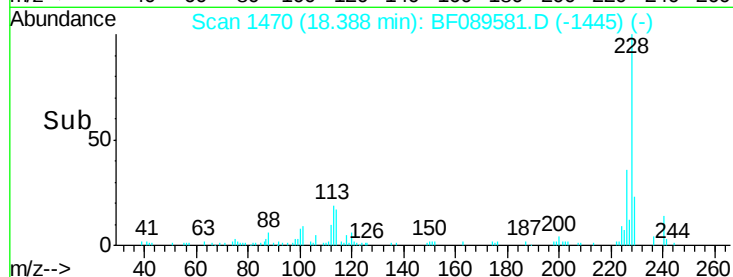
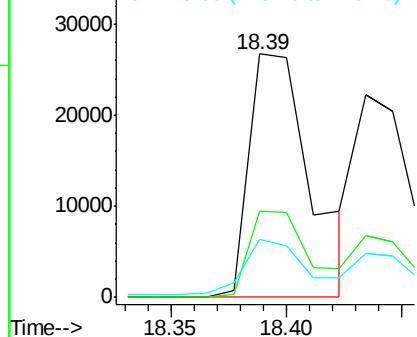
Tot Ion	Ratio	Lower	Upper
228	100		
226	35.4	21.5	32.3#
229	24.0	15.1	22.7#

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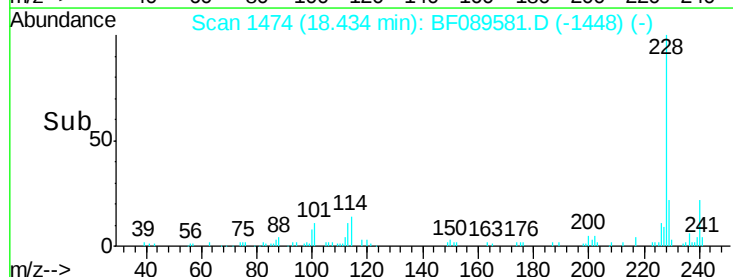
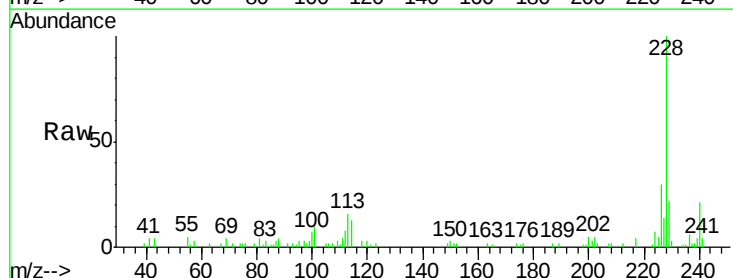
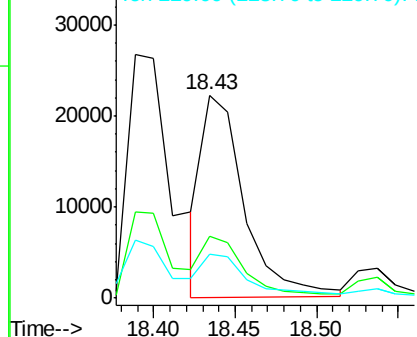
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

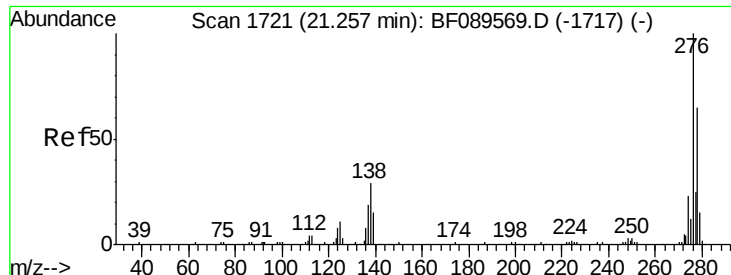


#82
Chrysene
Concen: 6.15 ng
RT: 18.43 min Scan# 1474
Delta R.T. -0.00 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5
229	21.7	15.7	23.5

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





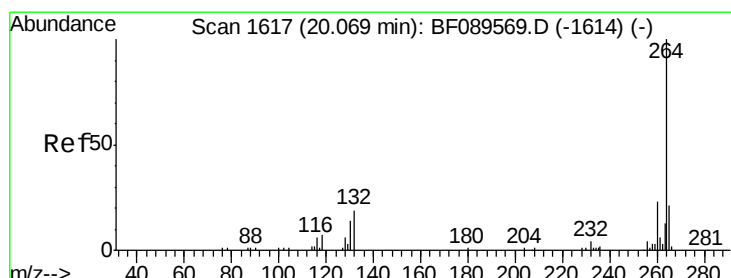
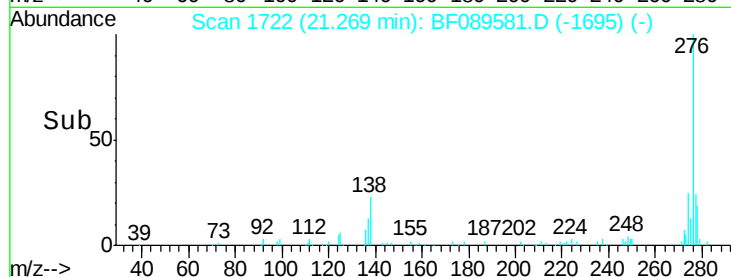
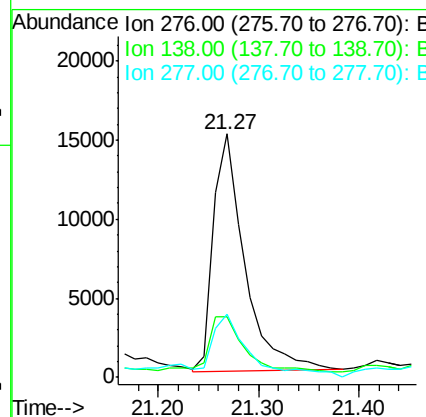
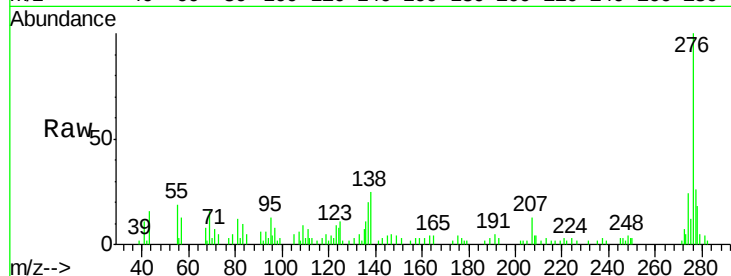
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.56 ng
 RT: 21.27 min Scan# 1722
 Delta R.T. 0.01 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-2(LOT107N)0-1RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.4	23.5	35.3
277	31.9	20.5	30.7

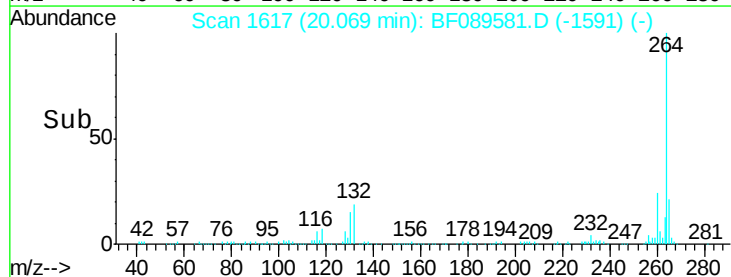
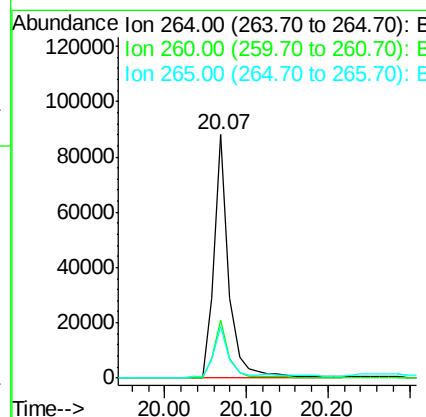
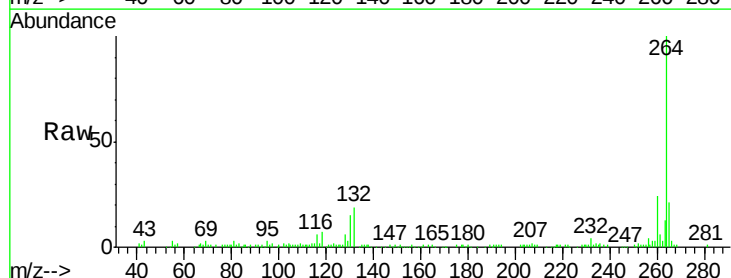
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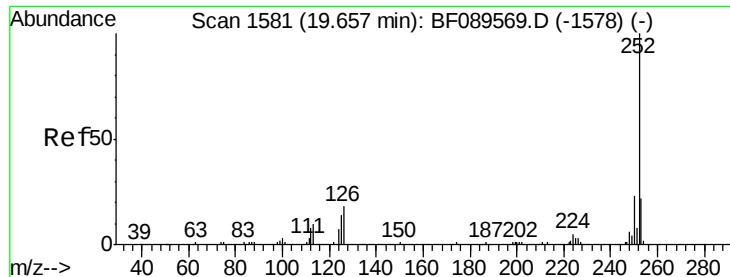
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.07 min Scan# 1617
 Delta R.T. -0.00 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.5	27.7
265	21.4	16.6	25.0





#87

Benzo(b)fluoranthene

Concen: 8.07 ng m

RT: 19.67 min Scan# 1582

Delta R.T. 0.01 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

Instrument :

BNA_F

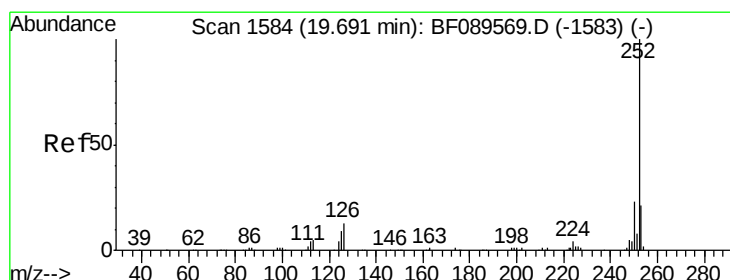
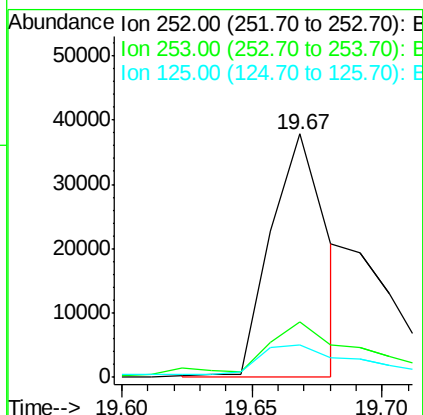
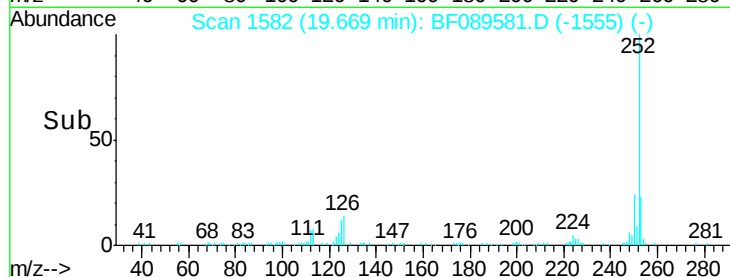
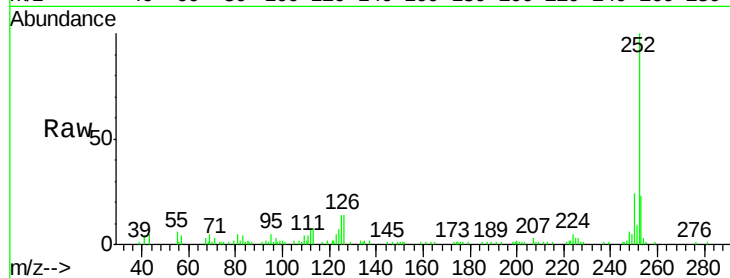
ClientSampleId :

SP-2(LOT107N)0-1RE

Tot Ion:	252	Resp:	56360
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.6	26.4
125	13.5	11.0	16.4

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#88

Benzo(k)fluoranthene

Concen: 4.39 ng m

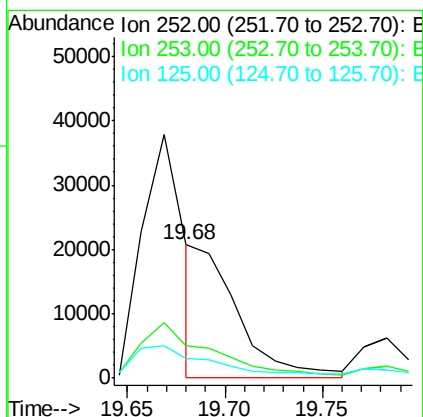
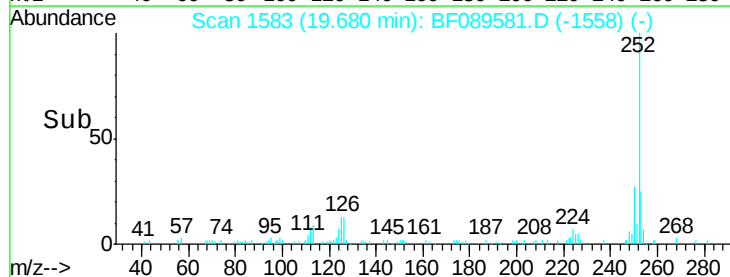
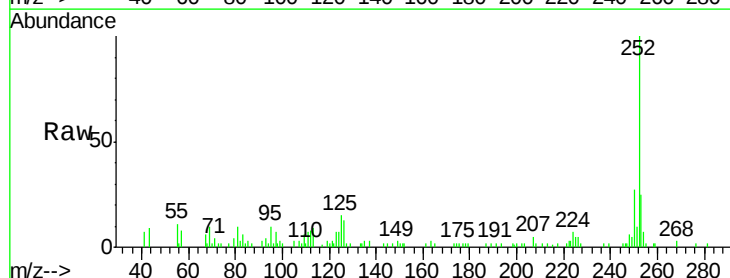
RT: 19.68 min Scan# 1583

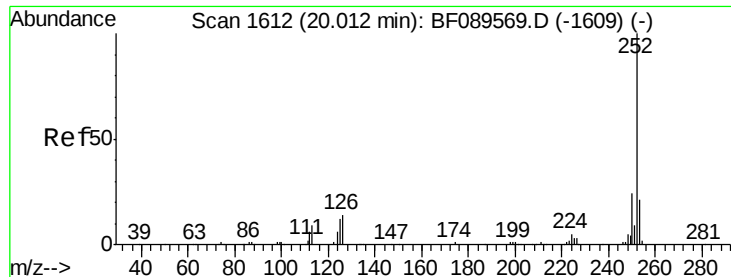
Delta R.T. -0.01 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

Tgt Ion:	252	Resp:	30088
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.2	25.8
125	14.7	9.3	13.9#





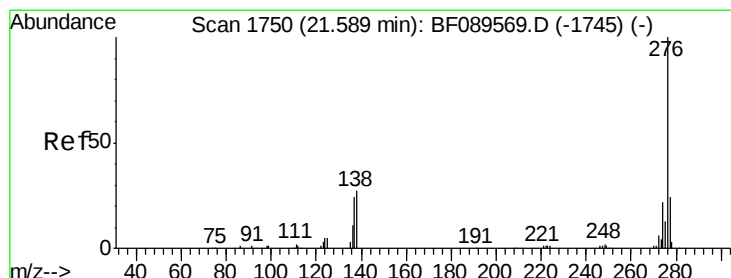
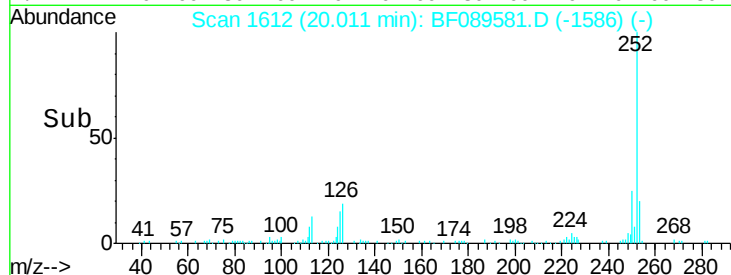
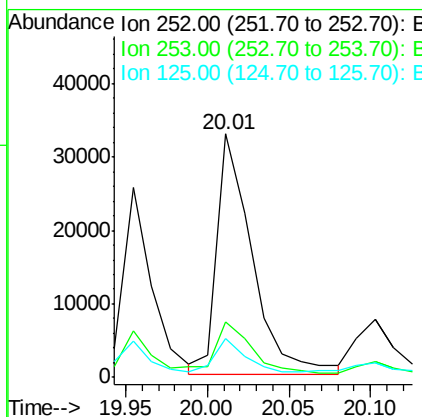
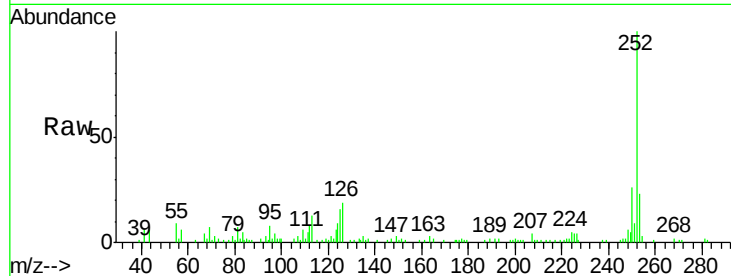
#89
Benzo(a)pyrene
Concen: 7.62 ng
RT: 20.01 min Scan# 1612
Delta R.T. -0.00 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Instrument :
BNA_F
ClientSampleId :
SP-2(LOT107N)0-1RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.6	24.8
125	15.8	9.4	14.0

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#91
Benzo(g,h,i)perylene
Concen: 5.10 ng
RT: 21.61 min Scan# 1752
Delta R.T. 0.02 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	19.0	28.6
138	25.9	21.7	32.5

