

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089502.D
 Acq On : 1 Aug 2016 9:13
 Operator : UM/SJ
 Sample : H4215-06DL 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMPDL

Manual Integrations
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Quant Time: Aug 01 14:21:06 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	41430	20.00	ng	-0.06
21) Naphthalene-d8	7.78	136	163146	20.00	ng	-0.05
38) Acenaphthene-d10	9.52	164	62493	20.00	ng	-0.06
63) Phenanthrene-d10	10.99	188	120383	20.00	ng	-0.06
75) Chrysene-d12	13.62	240	92539	20.00	ng	-0.05
86) Perylene-d12	14.95	264	72230	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	38977	15.02	ng	-0.05
7) Phenol-d6	6.16	99	57366	16.73	ng	-0.05
23) Nitrobenzene-d5	7.06	82	37634	13.62	ng	-0.06
41) 2,4,6-Tribromophenol	10.31	330	8745	16.90	ng	-0.06
44) 2-Fluorobiphenyl	8.86	172	70789	16.62	ng	-0.06
78) Terphenyl-d14	12.58	244	53806	13.61	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.26	163	11265	2.37	ng	# 92
70) Phenanthrene	11.02	178	56199	9.05	ng	99
71) Anthracene	11.07	178	22040	3.19	ng	98
74) Fluoranthene	12.21	202	186057	28.49	ng	98
77) Pyrene	12.42	202	159001	22.67	ng	99
80) Benzo(a)anthracene	13.61	228	79832m	15.29	ng	
82) Chrysene	13.65	228	70153m	12.62	ng	
85) Indeno(1,2,3-cd)pyrene	16.13	276	36462	9.23	ng	# 89
87) Benzo(b)fluoranthene	14.61	252	78768m	17.56	ng	
88) Benzo(k)fluoranthene	14.62	252	35627m	8.64	ng	
89) Benzo(a)pyrene	14.90	252	55344	13.75	ng	96
90) Dibenzo(a,h)anthracene	16.13	278	6765m	2.13	ng	
91) Benzo(a,h,i)perylene	16.48	276	32815	10.53	ng	97

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

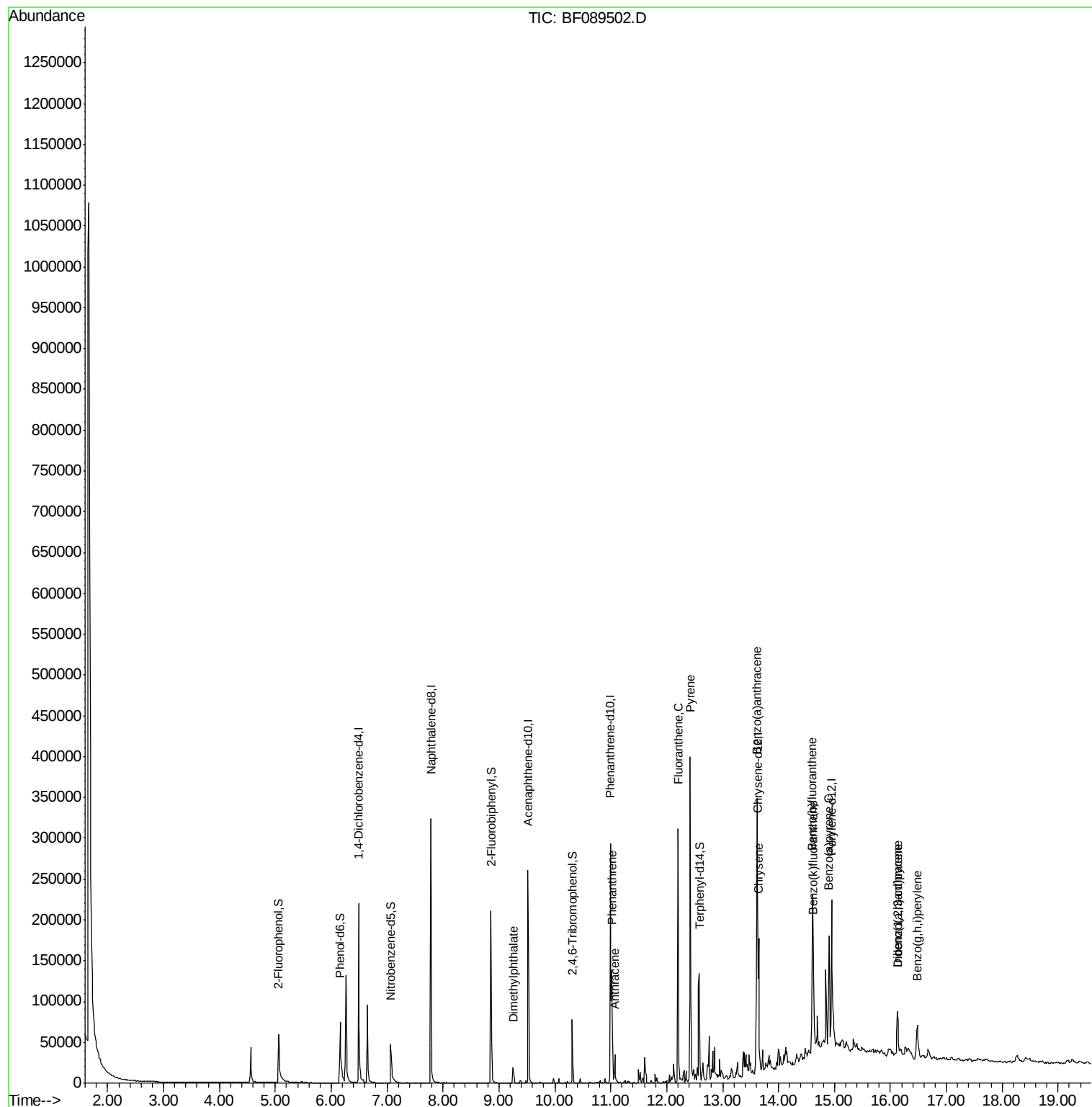
Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
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Misc :
ALS Vial : 37 Sample Multiplier: 1

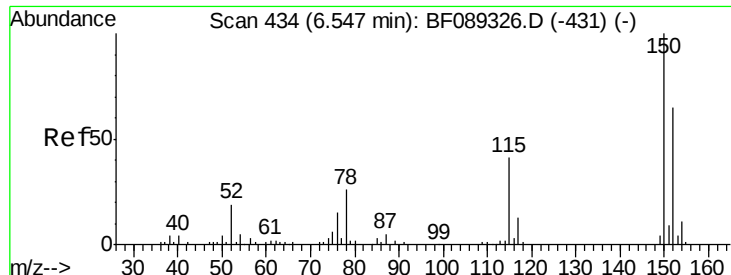
Instrument :
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SB-13-COMPDL

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Quant Time: Aug 01 14:21:06 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.06 min

Lab File: BF089502.D

Acq: 1 Aug 2016 9:13

Instrument :

BNA_F

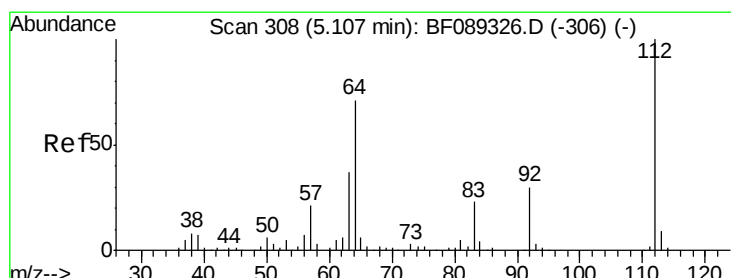
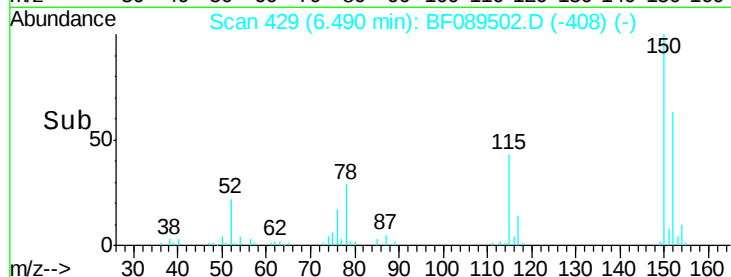
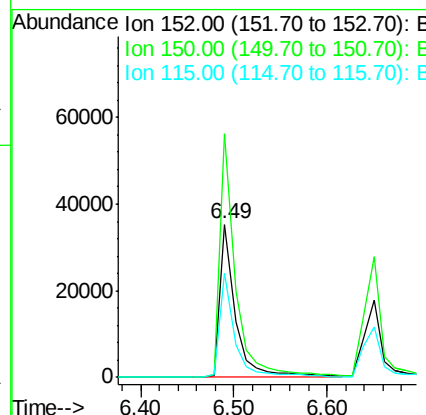
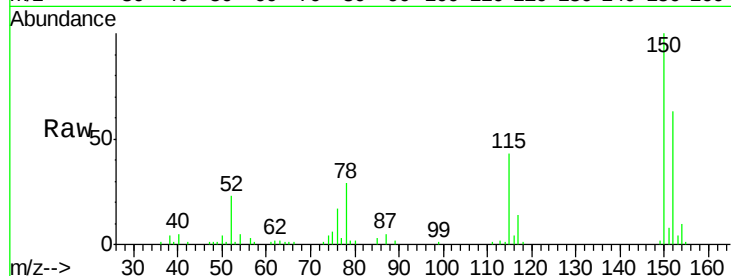
ClientSampleId :

SB-13-COMPDL

Tot Ion:	152	Resp:	41430
Ion	Ratio	Lower	Upper
152	100		
150	159.3	129.5	194.3
115	67.8	51.4	77.2

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#5

2-Fluorophenol

Concen: 15.02 ng

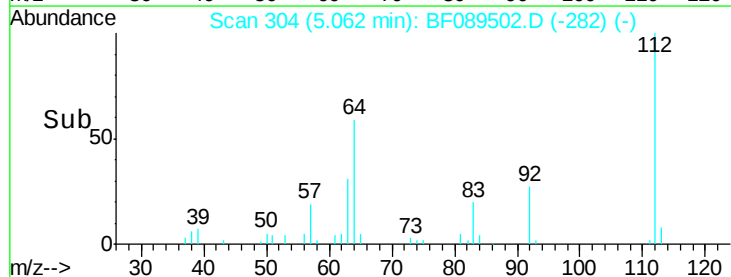
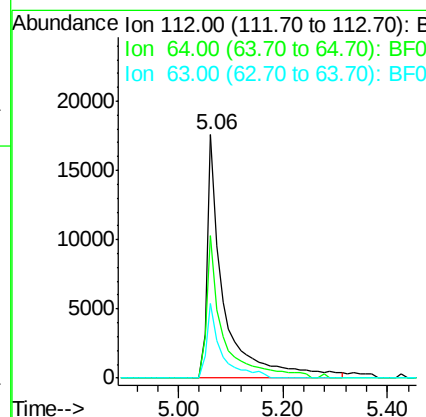
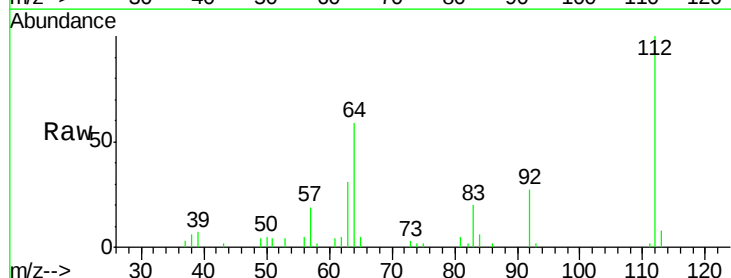
RT: 5.06 min Scan# 304

Delta R.T. -0.05 min

Lab File: BF089502.D

Acq: 1 Aug 2016 9:13

Tgt Ion:	112	Resp:	38977
Ion	Ratio	Lower	Upper
112	100		
64	58.5	55.0	82.6
63	30.7	29.4	44.2





#7

Phenol-d6

Concen: 16.73 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.05 min

Lab File: BF089502.D

Acq: 1 Aug 2016 9:13

Instrument :

BNA_F

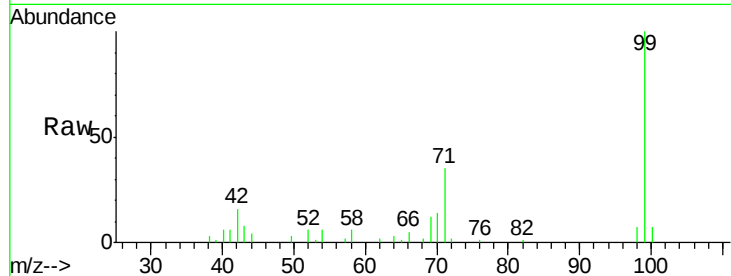
ClientSampleId :

SB-13-COMPDL

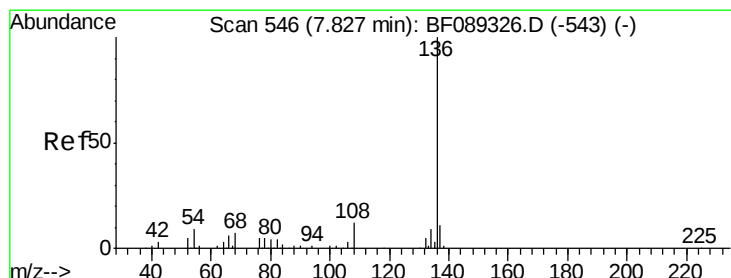
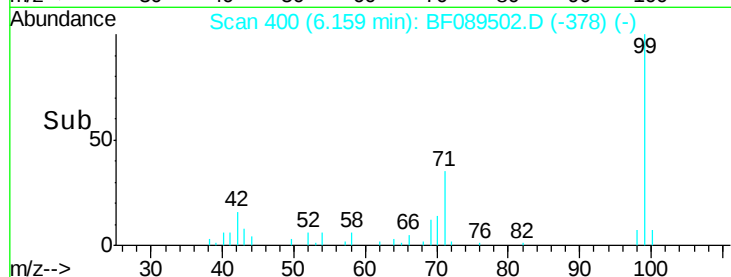
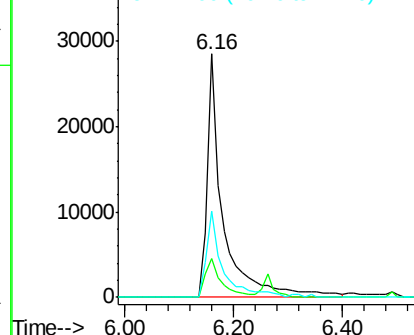
Tot Ion:	99	Resp:	57366
Ion Ratio	Lower	Upper	
99	100		
42	16.1	13.6	20.4
71	35.2	29.4	44.2

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 542

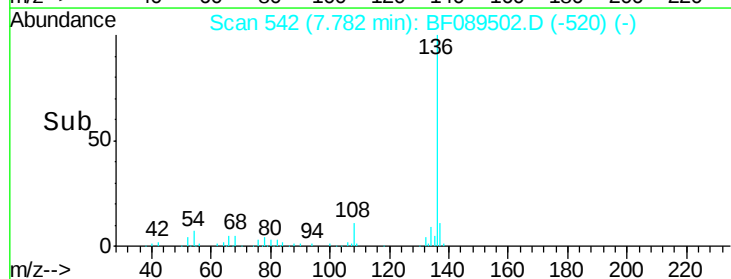
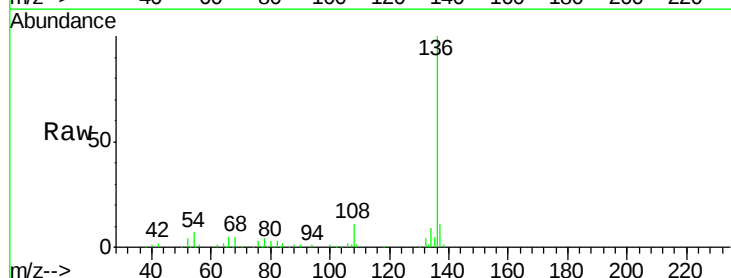
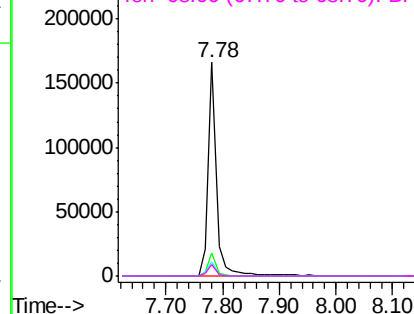
Delta R.T. -0.05 min

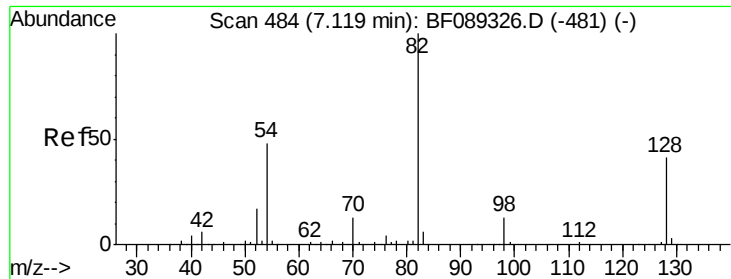
Lab File: BF089502.D

Acq: 1 Aug 2016 9:13

Tgt Ion:	136	Resp:	163146
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.6	13.0
54	6.5	7.0	10.4
68	5.1	4.9	7.3

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





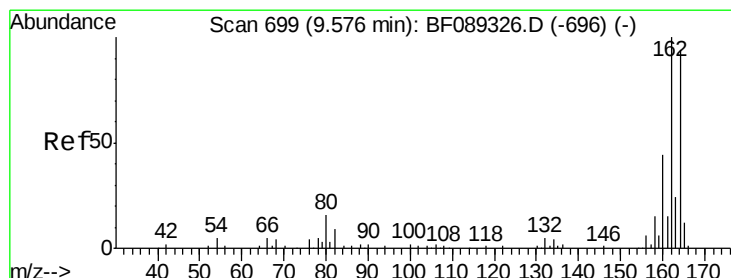
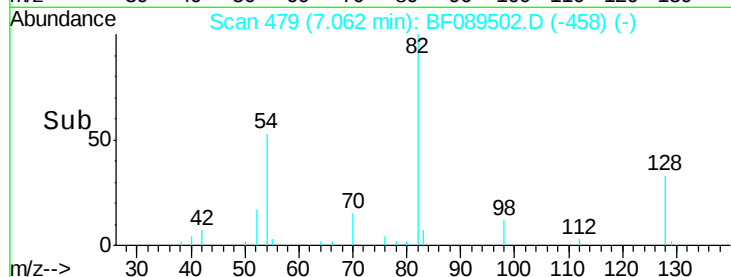
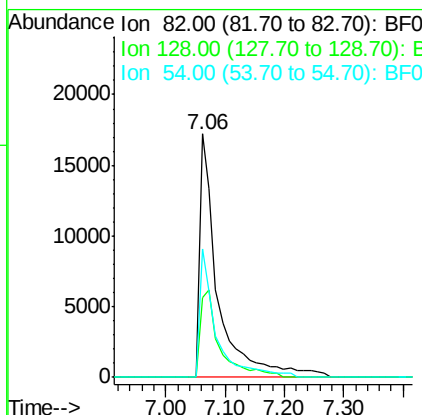
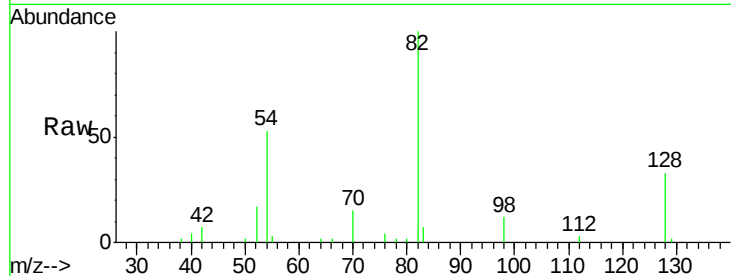
#23
 Nitrobenzene-d5
 Concen: 13.62 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.06 min
 Lab File: BF089502.D
 Acq: 1 Aug 2016 9:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMPDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	32.6	32.5	48.7
54	52.5	38.8	58.2

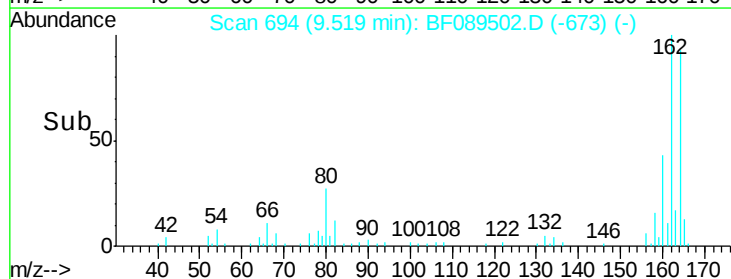
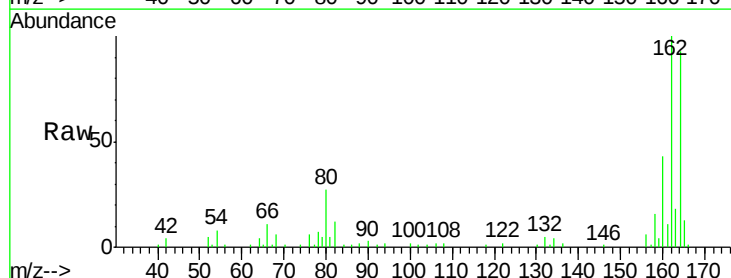
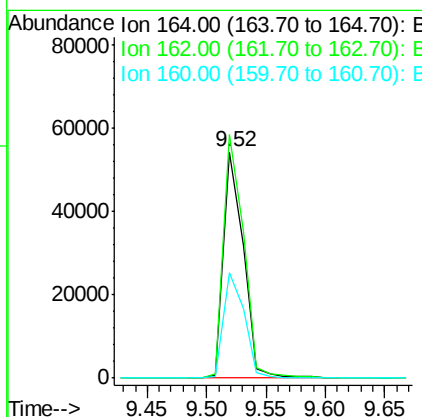
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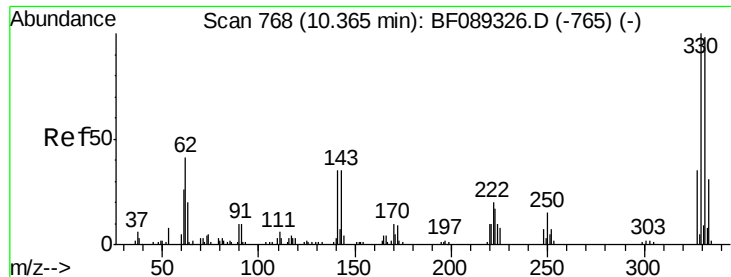
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.06 min
 Lab File: BF089502.D
 Acq: 1 Aug 2016 9:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.7	83.7	125.5
160	46.7	37.8	56.6





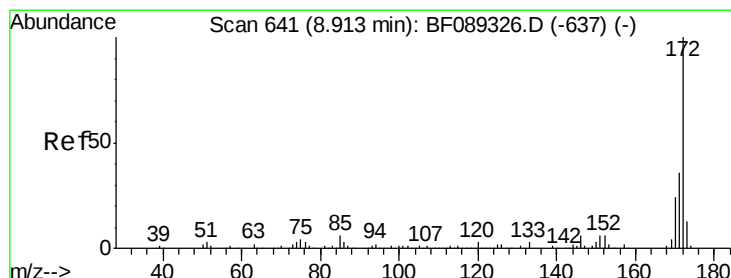
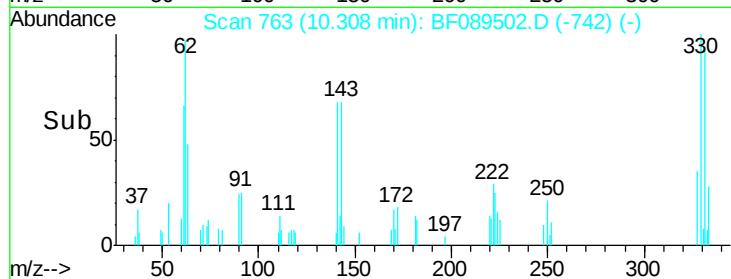
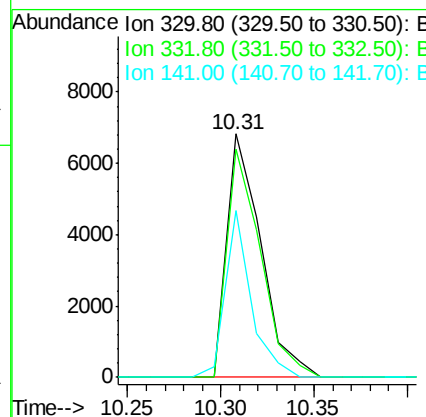
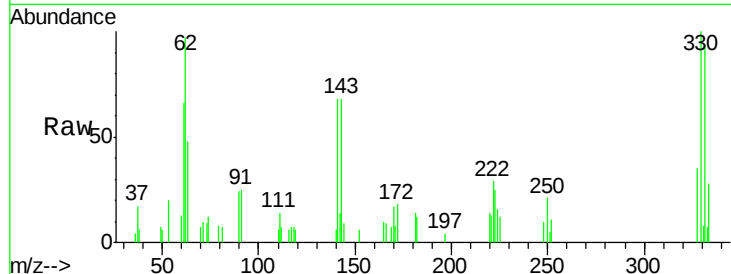
#41
 2,4,6-Tribromophenol
 Concen: 16.90 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.06 min
 Lab File: BF089502.D
 Acq: 1 Aug 2016 9:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMPDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.5	76.8	115.2
141	51.9	37.3	55.9

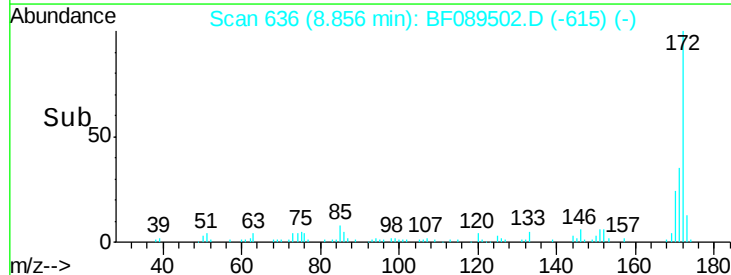
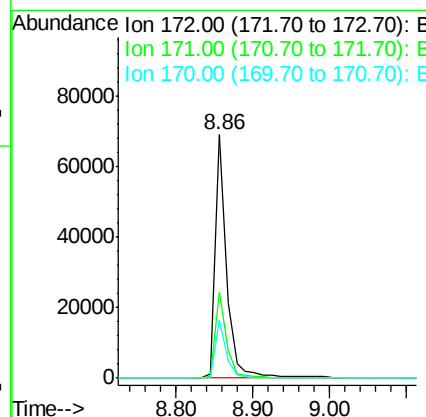
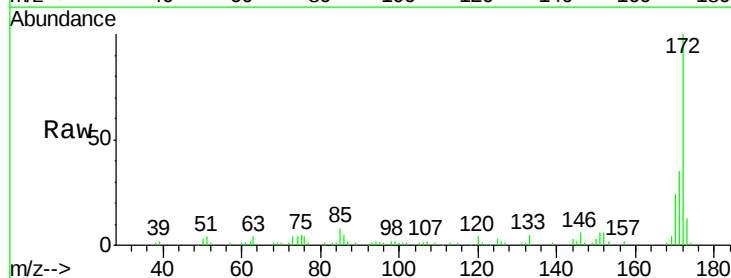
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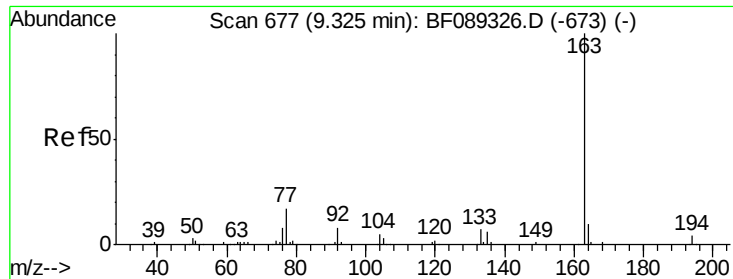
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#44
 2-Fluorobiphenyl
 Concen: 16.62 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.06 min
 Lab File: BF089502.D
 Acq: 1 Aug 2016 9:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.2	43.8
170	23.6	19.2	28.8





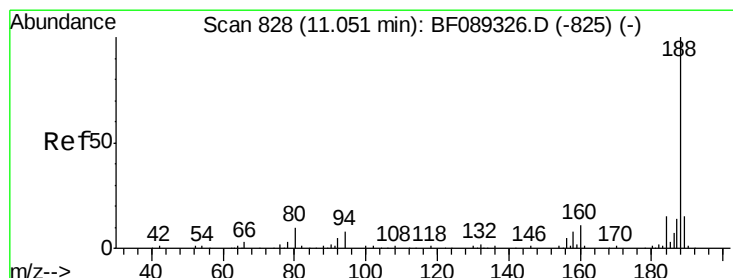
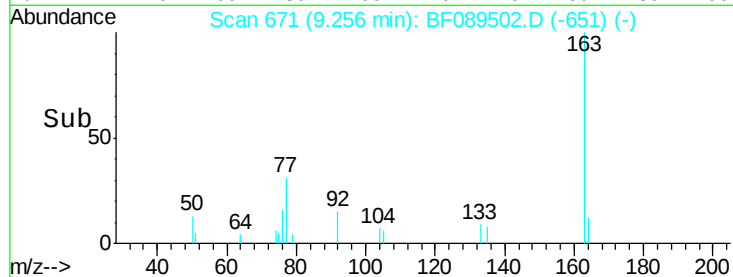
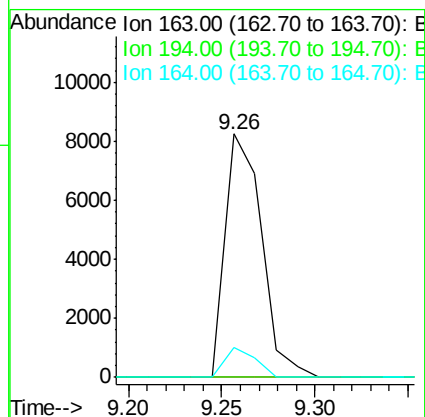
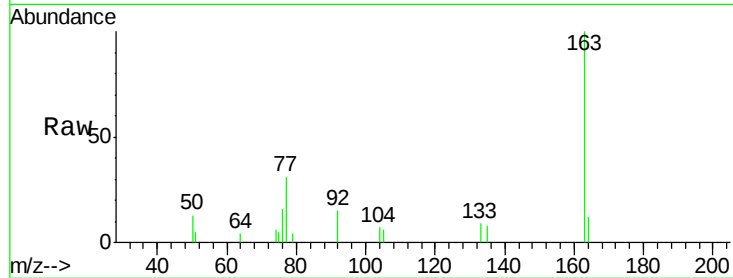
#49
Dimethylphthalate
Concen: 2.37 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.07 min
Lab File: BF089502.D
Acq: 1 Aug 2016 9:13

Instrument :
BNA_F
ClientSampleId :
SB-13-COMPDL

Tot Ion	Ratio	Lower	Upper
163	100		
194	0.0	2.8	4.2#
164	12.4	7.8	11.8#

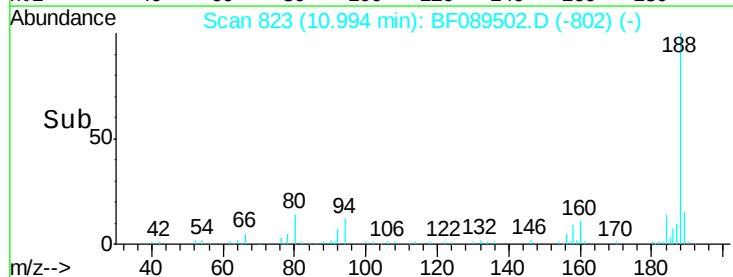
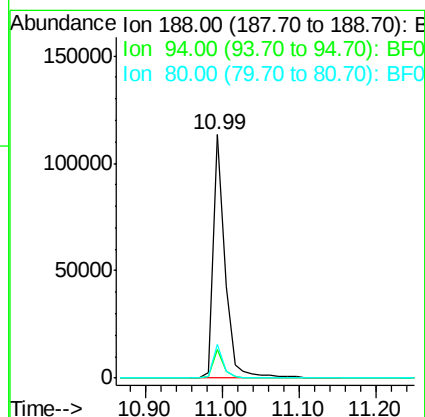
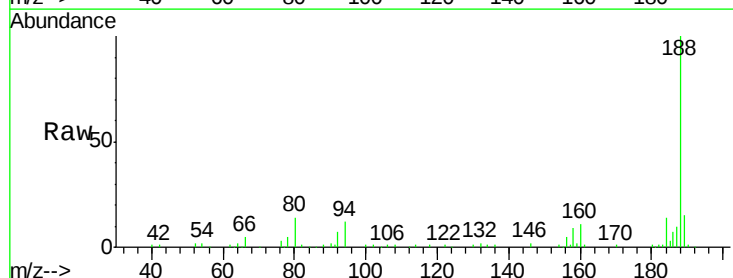
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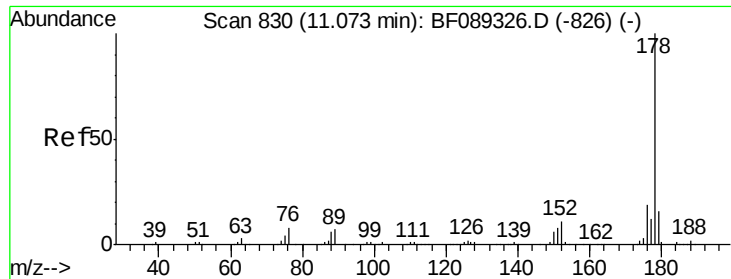
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.06 min
Lab File: BF089502.D
Acq: 1 Aug 2016 9:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	6.5	9.7#
80	13.6	7.2	10.8#





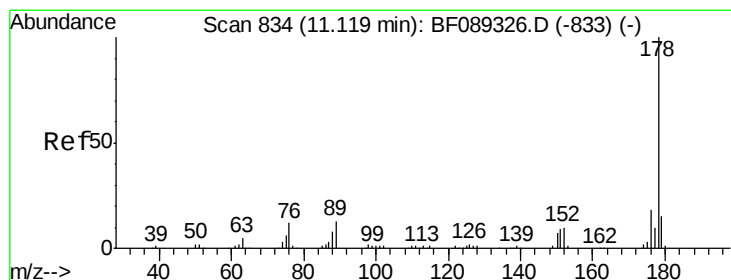
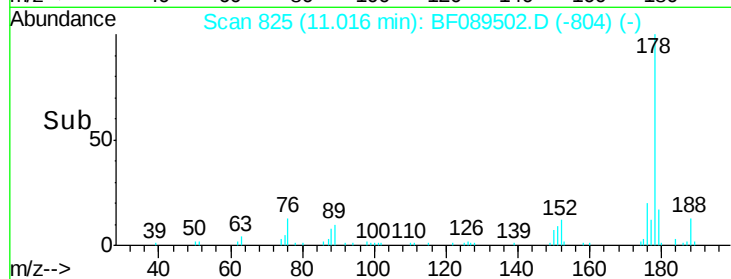
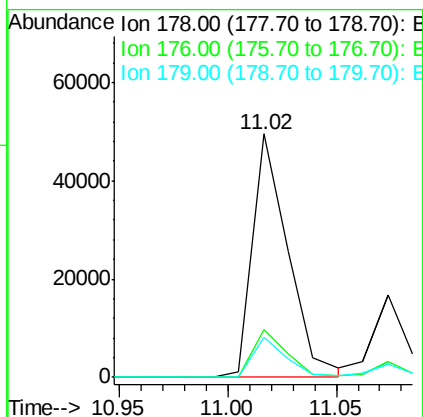
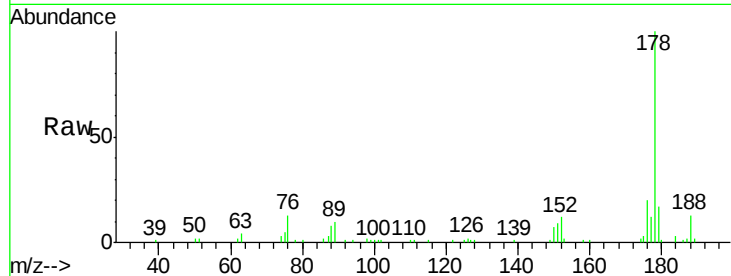
#70
Phenanthrene
Concen: 9.05 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.06 min
Lab File: BF089502.D
Acq: 1 Aug 2016 9:13

Instrument :
BNA_F
ClientSampleId :
SB-13-COMPDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	16.6	12.3	18.5

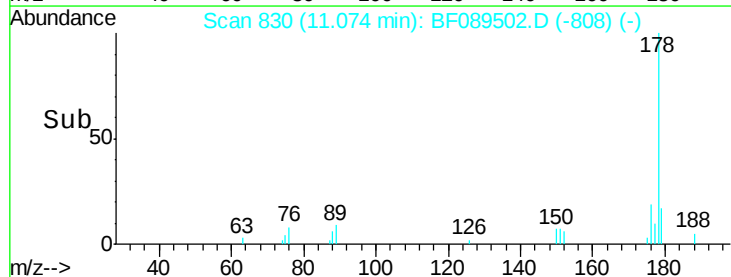
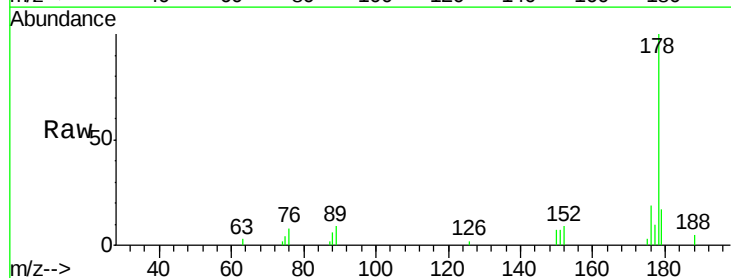
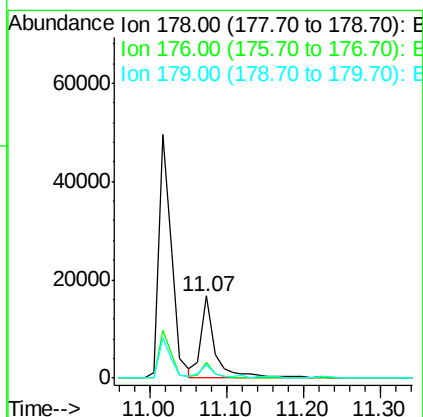
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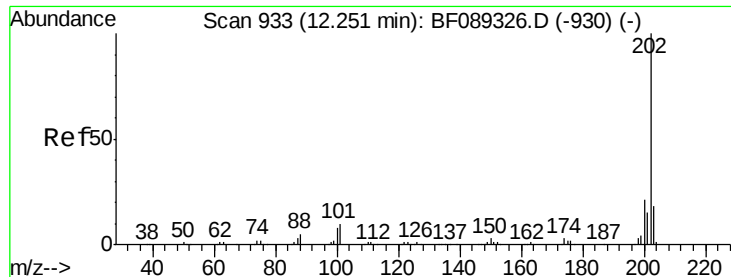
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#71
Anthracene
Concen: 3.19 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.05 min
Lab File: BF089502.D
Acq: 1 Aug 2016 9:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.8	22.2
179	16.8	12.6	18.8





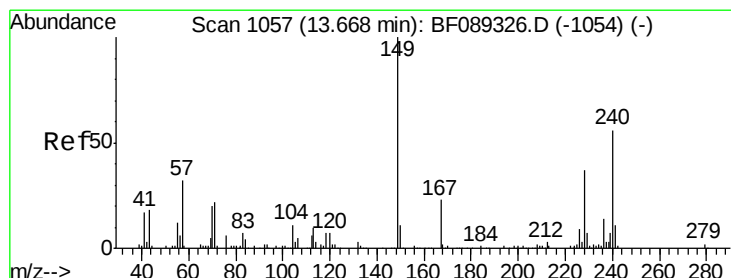
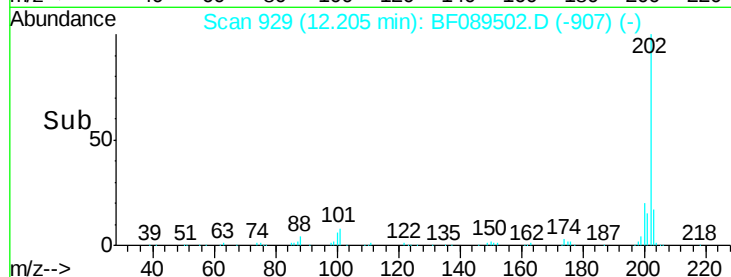
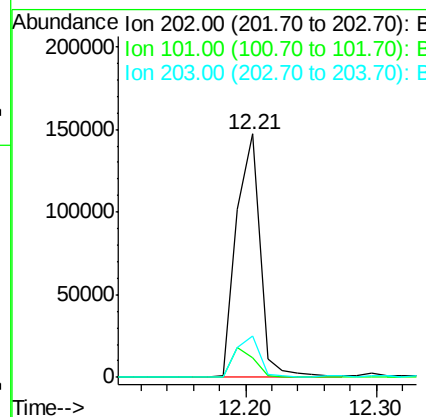
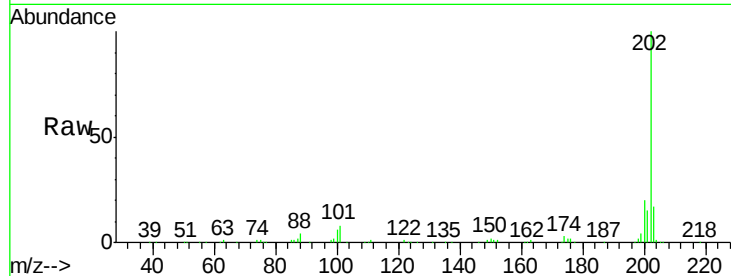
#74
Fluoranthene
Concen: 28.49 ng
RT: 12.21 min Scan# 929
Delta R.T. -0.05 min
Lab File: BF089502.D
Acq: 1 Aug 2016 9:13

Instrument :
BNA_F
ClientSampleId :
SB-13-COMPDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.2	0.0	29.9
203	17.1	0.0	37.3

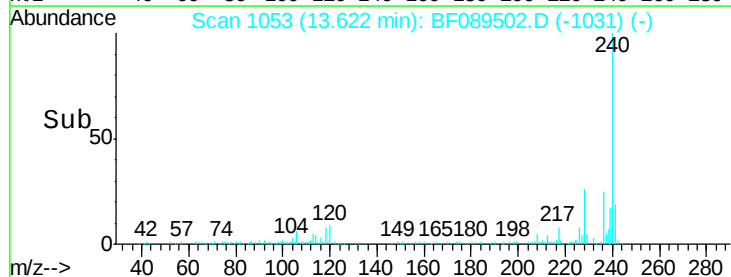
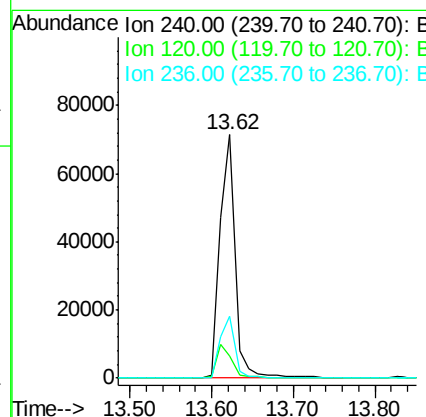
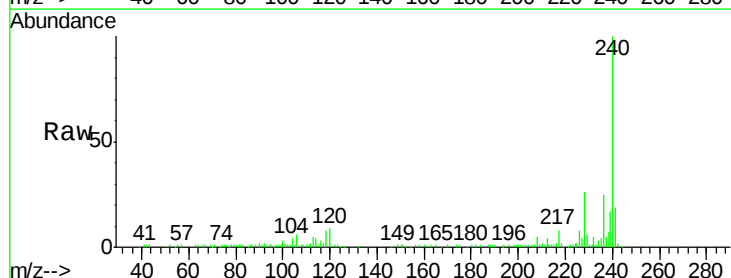
Manual Integrations
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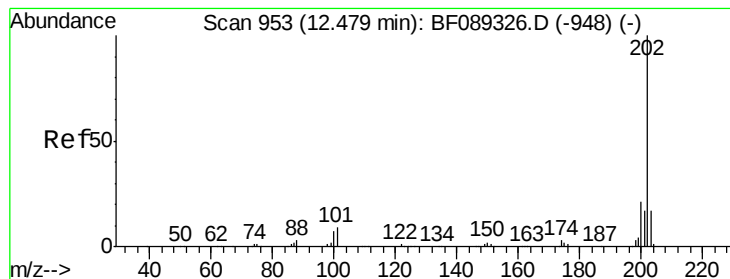
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.62 min Scan# 1053
Delta R.T. -0.05 min
Lab File: BF089502.D
Acq: 1 Aug 2016 9:13

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.2	9.1	13.7
236	25.4	20.6	30.8





#77

Pvrene

Concen: 22.67 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.05 min

Lab File: BF089502.D

Acq: 1 Aug 2016 9:13

Instrument :

BNA_F

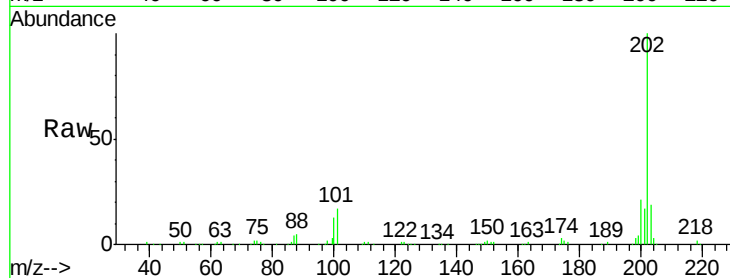
ClientSampleId :

SB-13-COMPDL

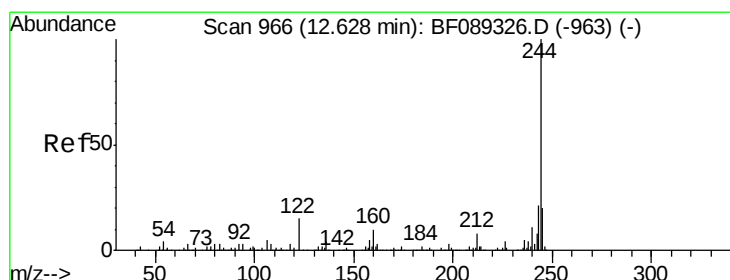
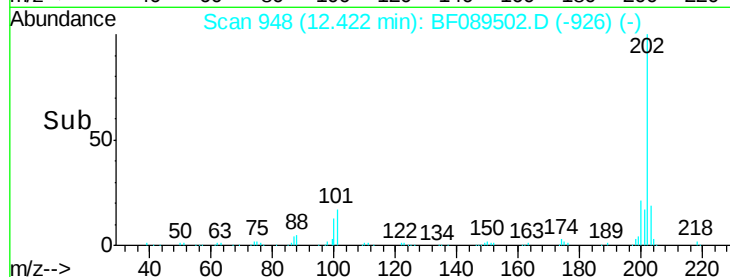
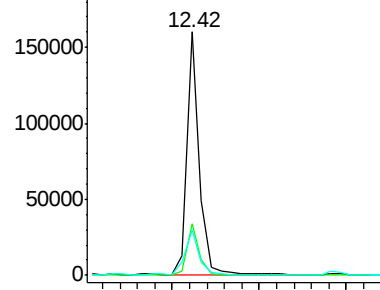
Tot Ion:	202	Resp:	159001
Ion Ratio		Lower	Upper
202	100		
200	21.0	16.9	25.3
203	18.6	14.0	21.0

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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: 13.61 ng

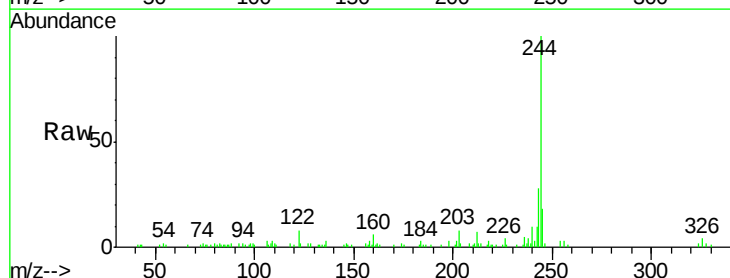
RT: 12.58 min Scan# 962

Delta R.T. -0.05 min

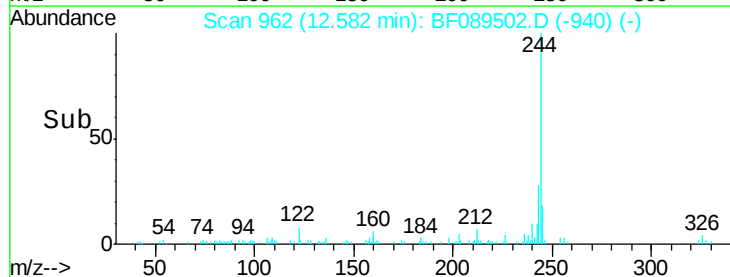
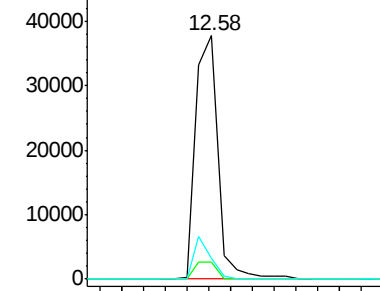
Lab File: BF089502.D

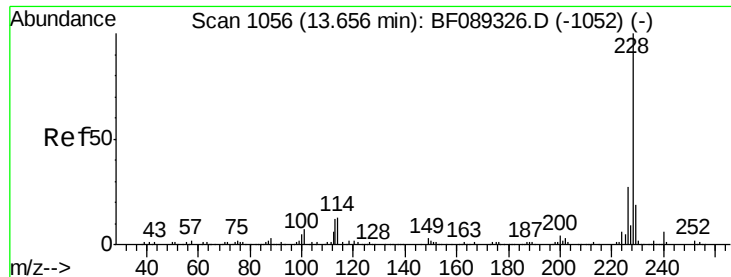
Acq: 1 Aug 2016 9:13

Tgt Ion:	244	Resp:	53806
Ion Ratio		Lower	Upper
244	100		
212	7.3	6.5	9.7
122	8.4	11.4	17.0#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





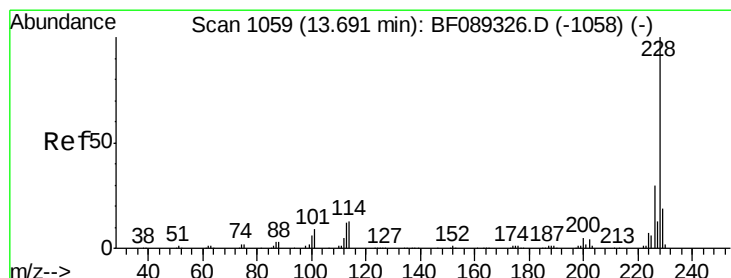
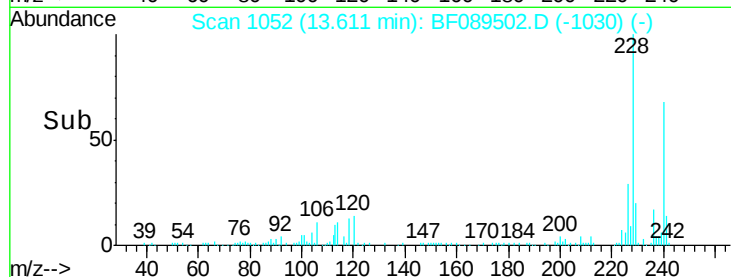
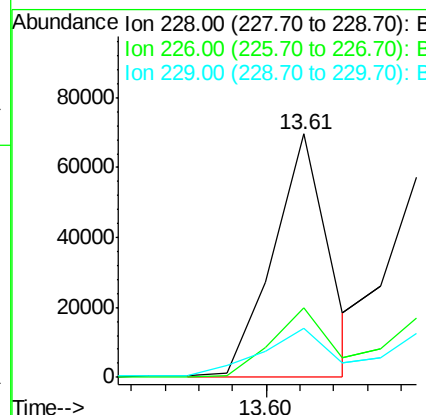
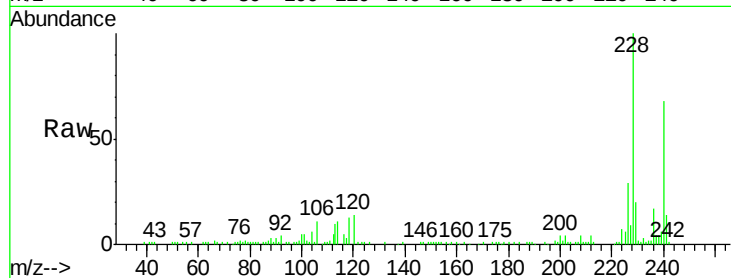
#80
Benzo(a)anthracene
Concen: 15.29 ng m
RT: 13.61 min Scan# 1052
Delta R.T. -0.05 min
Lab File: BF089502.D
Acq: 1 Aug 2016 9:13

Instrument :
BNA_F
ClientSampleId :
SB-13-COMPDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.4	32.2
229	20.3	15.9	23.9

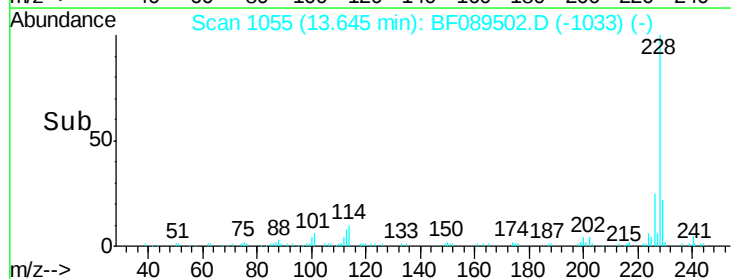
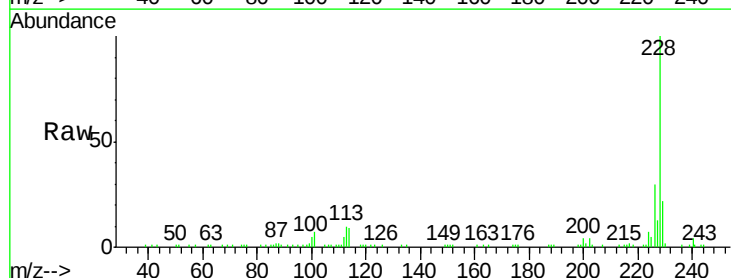
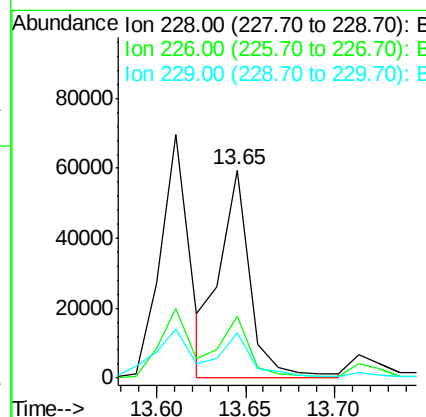
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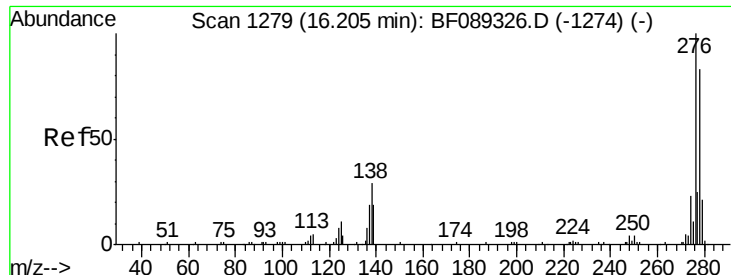
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#82
Chrysene
Concen: 12.62 ng m
RT: 13.65 min Scan# 1055
Delta R.T. -0.05 min
Lab File: BF089502.D
Acq: 1 Aug 2016 9:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.2	36.2
229	21.8	15.9	23.9





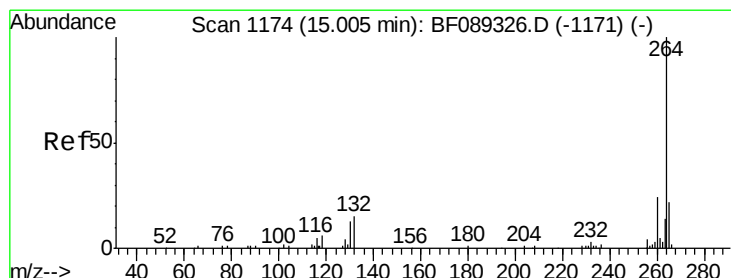
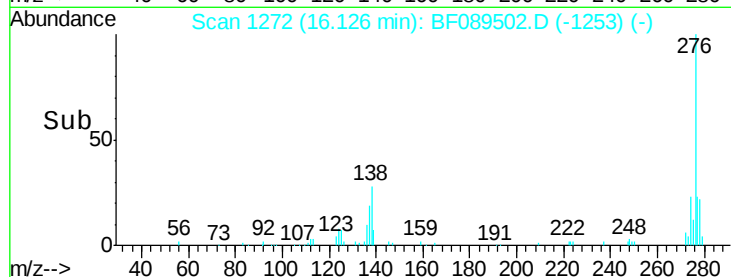
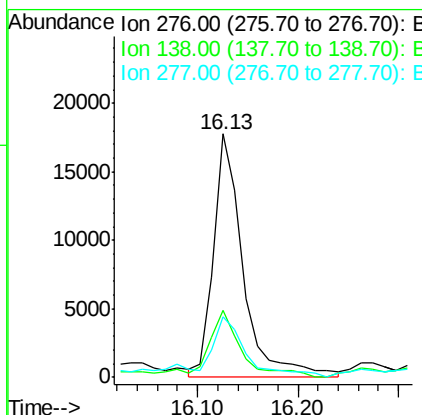
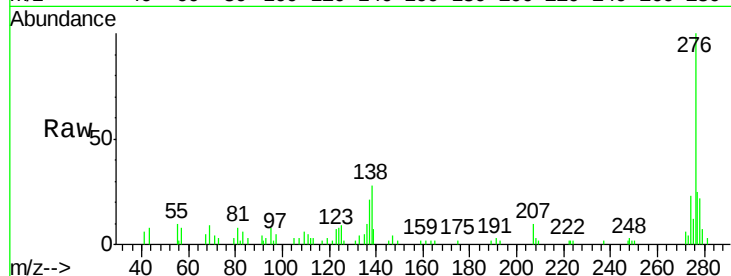
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.23 ng
RT: 16.13 min Scan# 1272
Delta R.T. -0.08 min
Lab File: BF089502.D
Acq: 1 Aug 2016 9:13

Instrument :
BNA_F
ClientSampleId :
SB-13-COMPDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.6	23.0	34.4
277	34.3	20.2	30.4

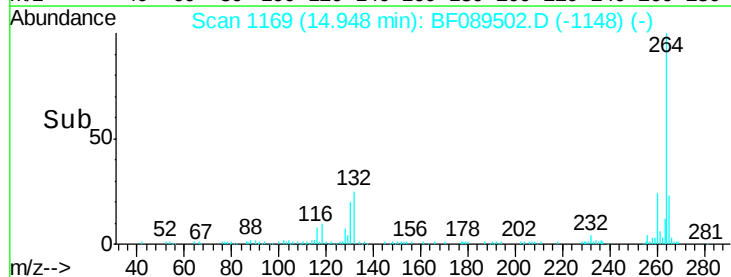
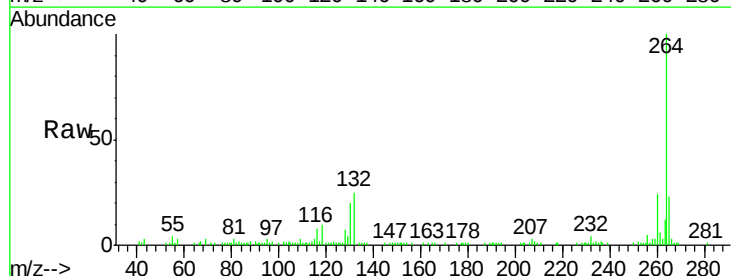
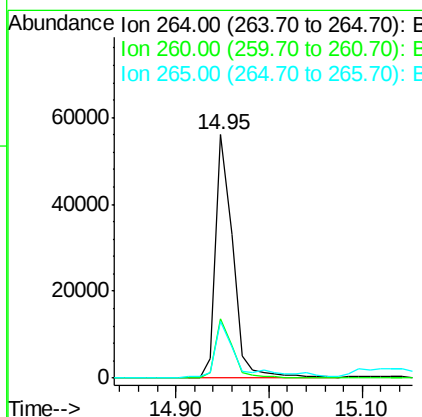
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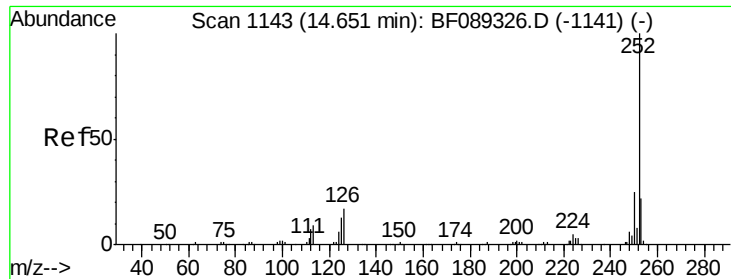
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#86
Perylene-d12
Concen: 20.00 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF089502.D
Acq: 1 Aug 2016 9:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	23.3	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 17.56 ng m

RT: 14.61 min Scan# 1139

Delta R.T. -0.05 min

Lab File: BF089502.D

Acq: 1 Aug 2016 9:13

Instrument :

BNA_F

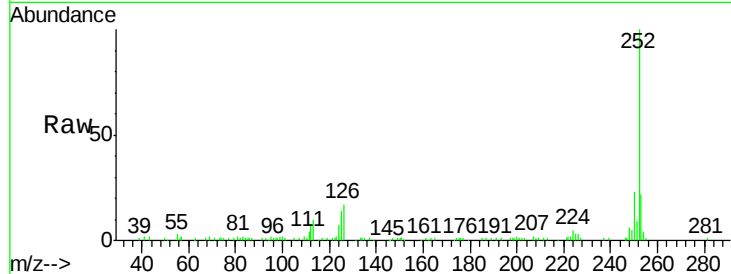
ClientSampleId :

SB-13-COMPDL

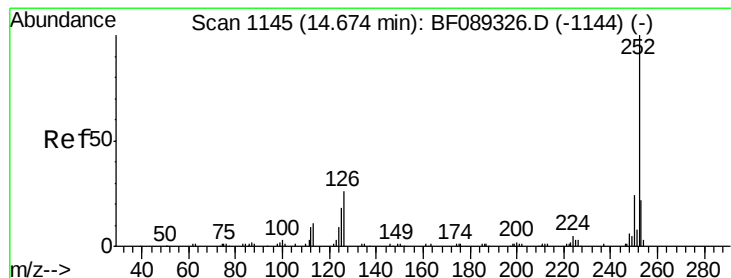
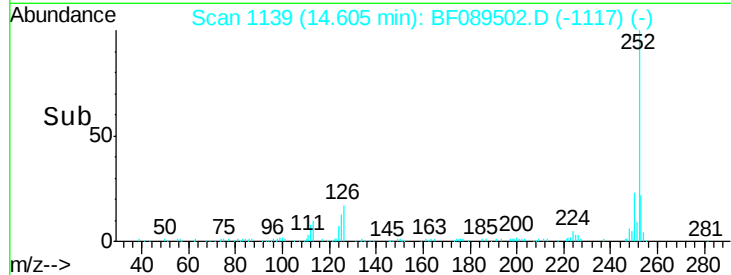
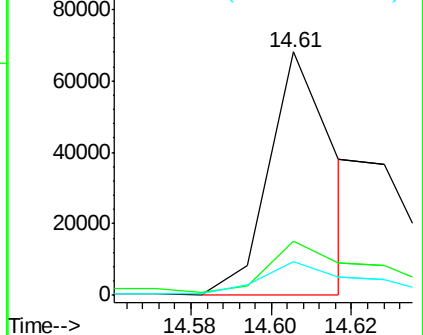
Tot Ion:	252	Resp:	78768
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.2	25.8
125	13.8	9.7	14.5

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



#88

Benzo(k)fluoranthene

Concen: 8.64 ng m

RT: 14.62 min Scan# 1140

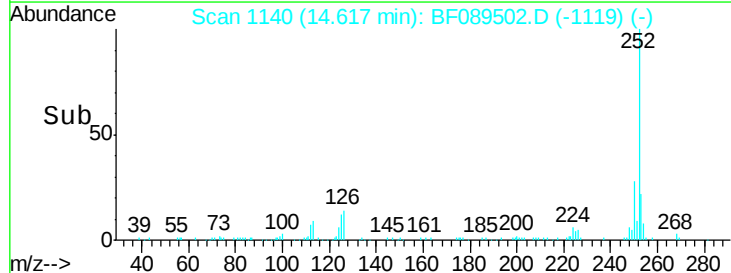
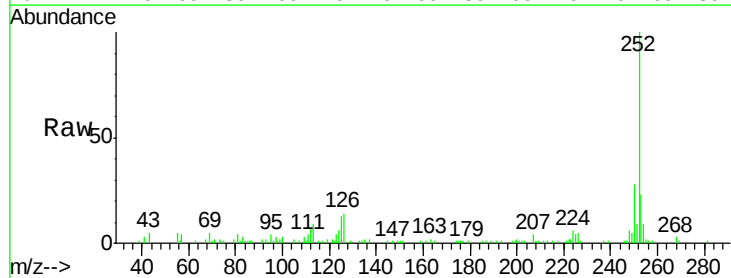
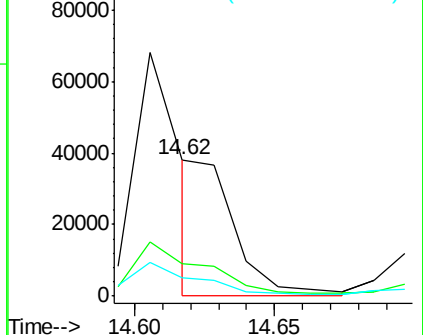
Delta R.T. -0.06 min

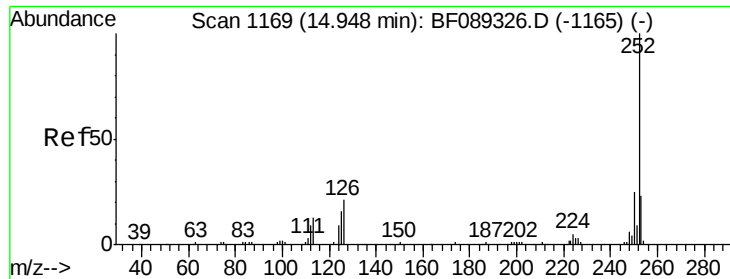
Lab File: BF089502.D

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Tgt Ion:	252	Resp:	35627
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.8
125	13.1	10.7	16.1

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





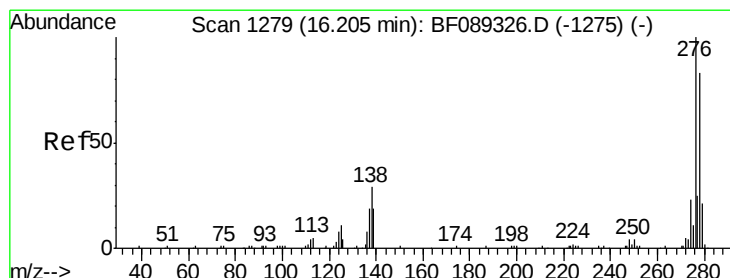
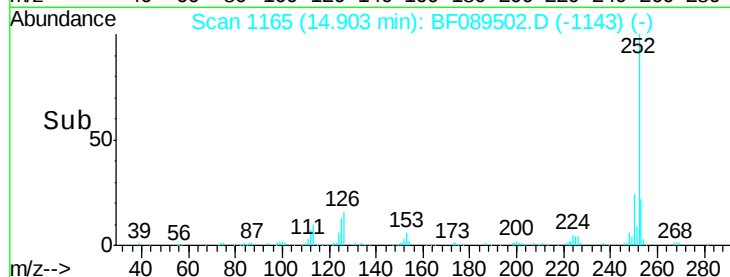
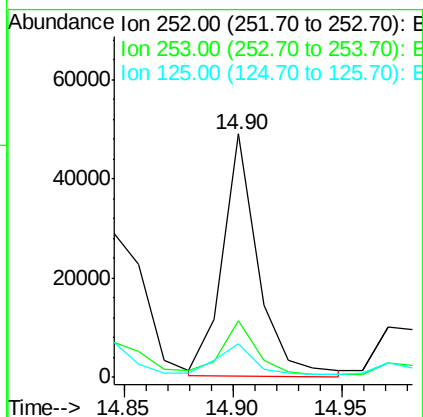
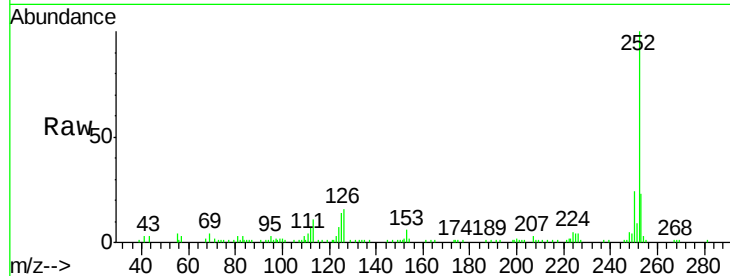
#89
Benzo(a)pyrene
Concen: 13.75 ng
RT: 14.90 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF089502.D
Acq: 1 Aug 2016 9:13

Instrument :
BNA_F
ClientSampleId :
SB-13-COMPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	13.7	12.4	18.6

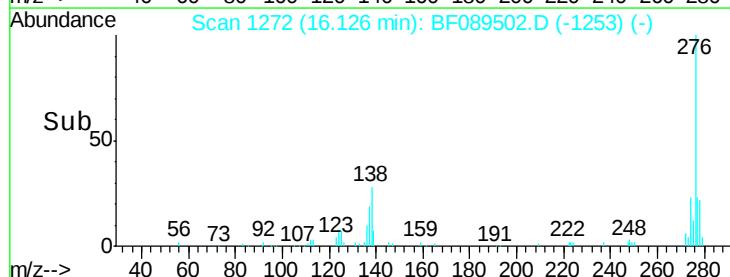
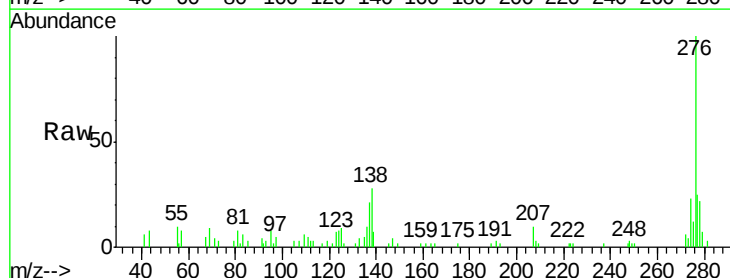
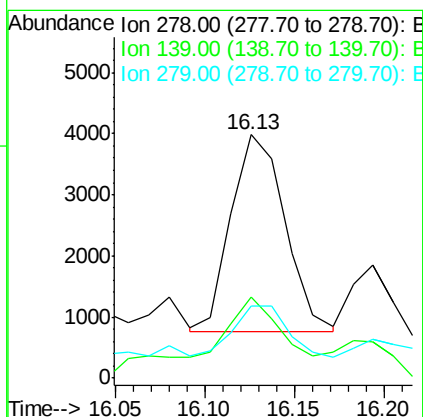
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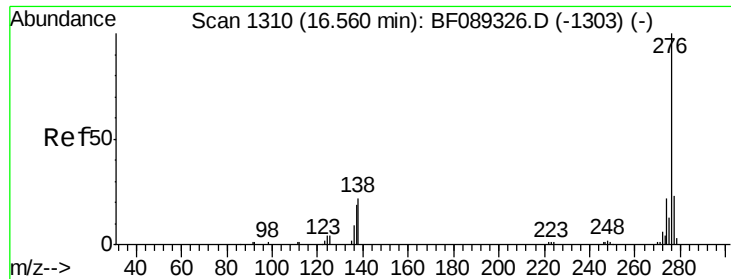
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#90
Dibenzo(a,h)anthracene
Concen: 2.13 ng m
RT: 16.13 min Scan# 1272
Delta R.T. -0.08 min
Lab File: BF089502.D
Acq: 1 Aug 2016 9:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.3	16.3	24.5#
279	29.3	19.1	28.7#





#91
Benzo(a,h,i)perylene
Concen: 10.53 ng
RT: 16.48 min Scan# 1303
Delta R.T. -0.07 min
Lab File: BF089502.D
Acq: 1 Aug 2016 9:13

Instrument :
BNA_F
ClientSampleId :
SB-13-COMPDL

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	25.9	18.6	28.0
138	26.1	21.4	32.0

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