

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088432.D
 Acq On : 26 Jun 2016 21:51
 Operator : UM/SJ
 Sample : H3663-04 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-2

Manual Integrations
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Quant Time: Jun 27 18:48:34 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	86625	20.00	ng	-0.06
21) Naphthalene-d8	7.84	136	339194	20.00	ng	-0.06
38) Acenaphthene-d10	9.58	164	151225	20.00	ng	-0.07
63) Phenanthrene-d10	11.05	188	242130	20.00	ng	-0.07
75) Chrysene-d12	13.68	240	165645	20.00	ng	-0.07
86) Perylene-d12	15.03	264	165775	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	247719	48.89	ng	-0.05
7) Phenol-d6	6.22	99	325829	53.06	ng	-0.05
23) Nitrobenzene-d5	7.12	82	201408	34.67	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	65119	40.78	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	399055	38.42	ng	-0.06
78) Terphenyl-d14	12.63	244	235843	32.40	ng	-0.07
Target Compounds						Qvalue
31) Naphthalene	7.85	128	71982	4.29	ng	99
37) 2-Methylnaphthalene	8.55	142	35912	3.25	ng	98
49) Dimethylphthalate	9.31	163	65045	5.94	ng	100
51) Acenaphthene	9.61	154	49547	5.10	ng	97
54) Dibenzofuran	9.78	168	33934	2.54	ng	# 90
70) Phenanthrene	11.07	178	387942	30.53	ng	99
71) Anthracene	11.13	178	110220	8.60	ng	98
72) Carbazole	11.29	167	70583	5.89	ng	99
74) Fluoranthene	12.26	202	561044	41.84	ng	96
77) Pyrene	12.48	202	474341	38.59	ng	97
80) Benzo(a)anthracene	13.67	228	301847	31.98	ng	99
82) Chrysene	13.70	228	224958	25.33	ng	97
85) Indeno(1,2,3-cd)pyrene	16.25	276	170257	20.64	ng	# 100
87) Benzo(b)fluoranthene	14.67	252	373905m	32.36	ng	
88) Benzo(k)fluoranthene	14.70	252	157283m	18.05	ng	
89) Benzo(a)pyrene	14.98	252	285293	30.52	ng	96
90) Dibenzo(a,h)anthracene	16.25	278	34658m	3.99	ng	
91) Benzo(g,h,i)perylene	16.62	276	159448	17.85	ng	98

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

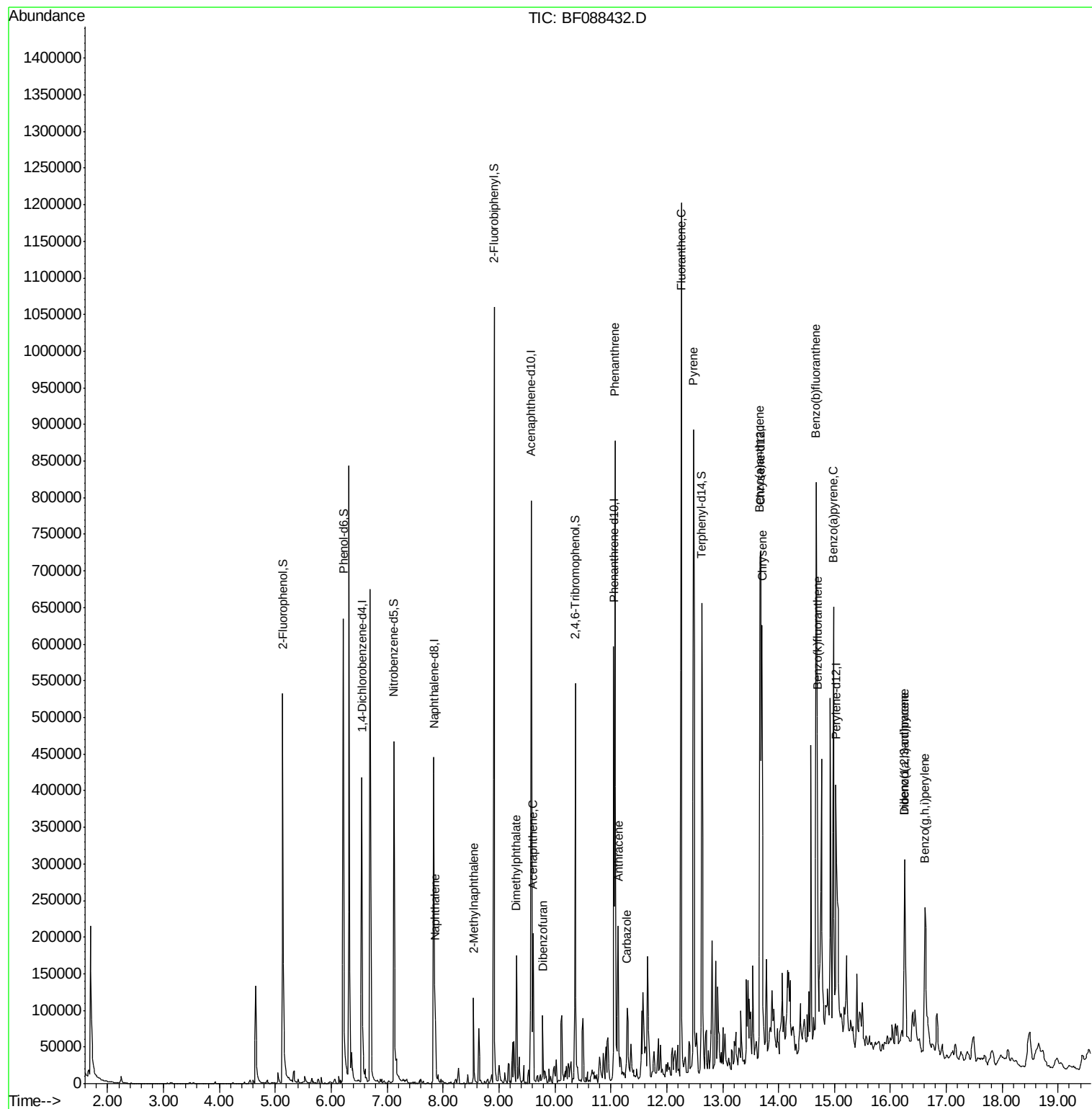
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ALS Vial : 22 Sample Multiplier: 1

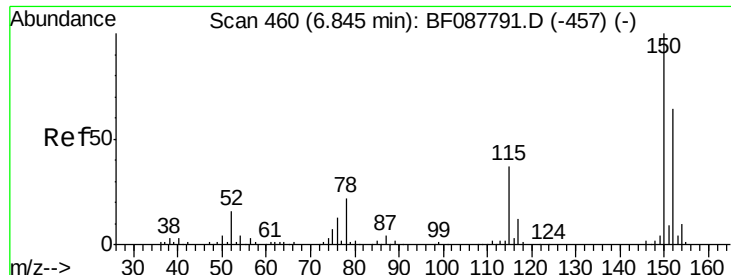
Instrument :
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SS-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

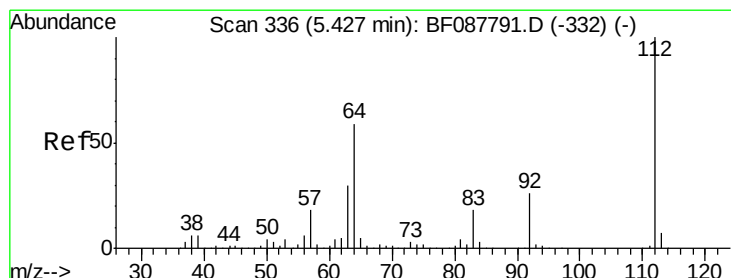
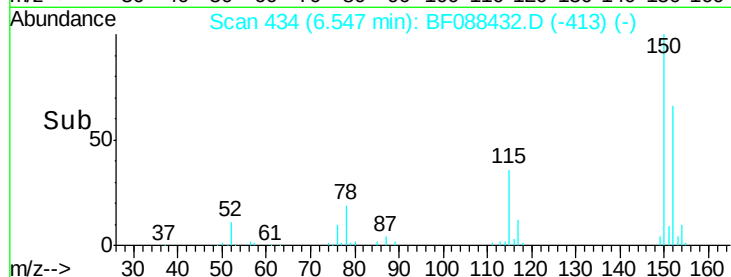
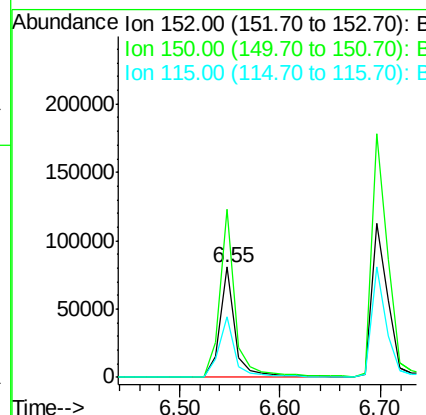
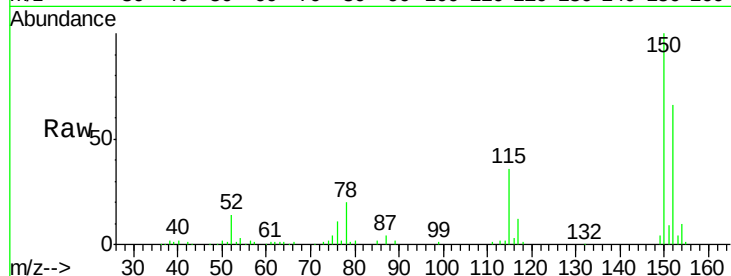
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. -0.06 min
Lab File: BF088432.D
Acq: 26 Jun 2016 21:51

Instrument :
BNA_F
ClientSampled :
SS-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	123.8	185.6
115	55.4	39.6	59.4

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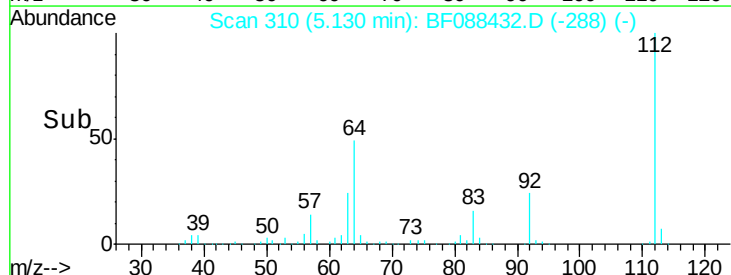
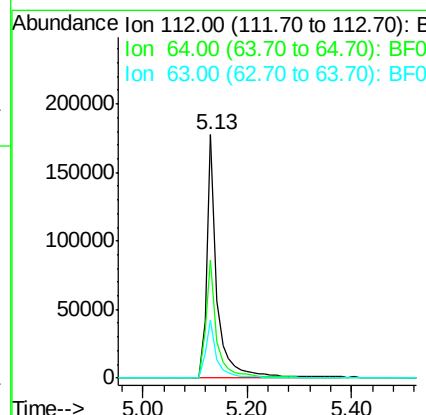
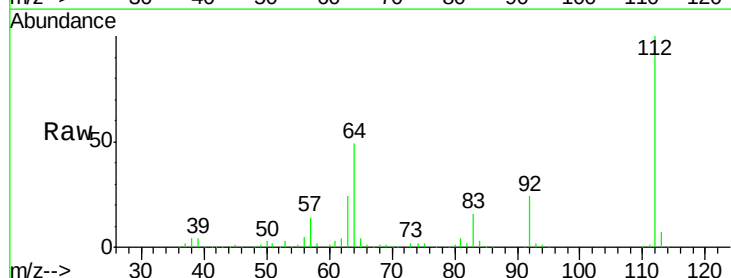
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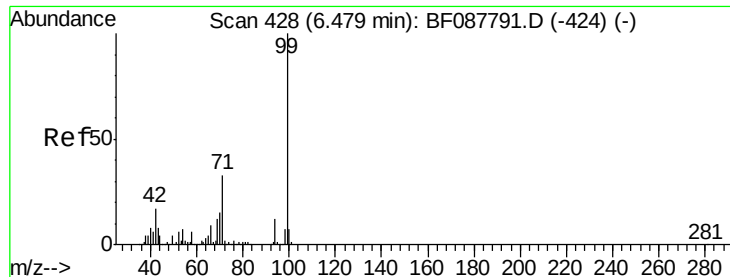


#5

2-Fluorophenol
Concen: 48.89 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.05 min
Lab File: BF088432.D
Acq: 26 Jun 2016 21:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.6	42.2	63.2
63	24.0	21.8	32.8





#7

Phenol-d6

Concen: 53.06 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088432.D

Acq: 26 Jun 2016 21:51

Instrument :

BNA_F

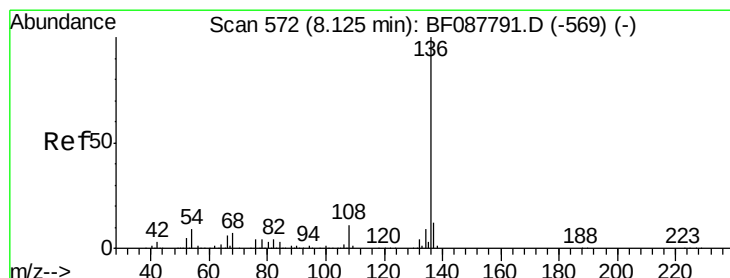
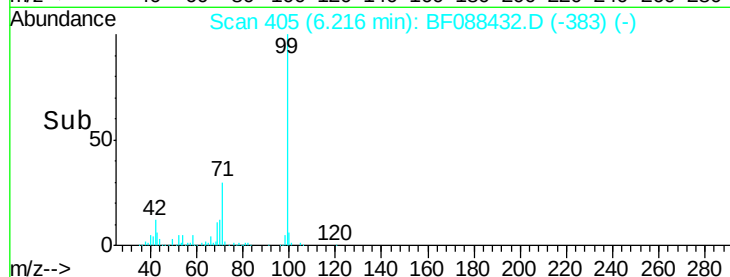
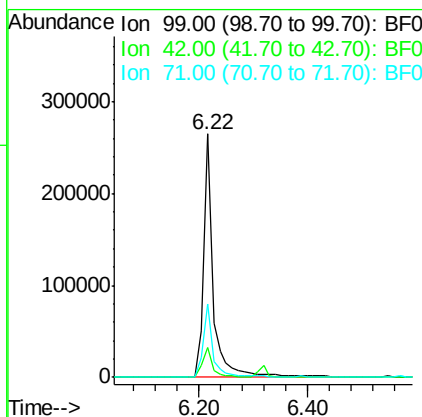
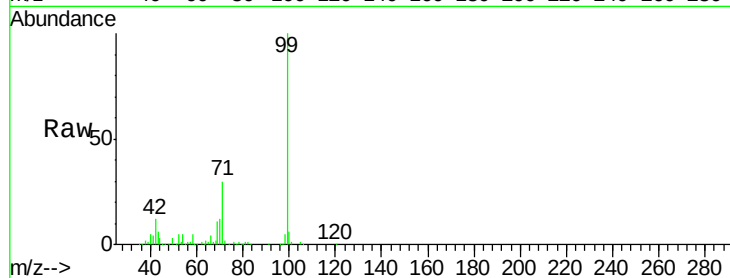
ClientSampleId :

SS-2

Tot Ion:	99	Resp:	325829
Ion Ratio	Lower	Upper	
99	100		
42	12.1	12.2	18.2#
71	30.1	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

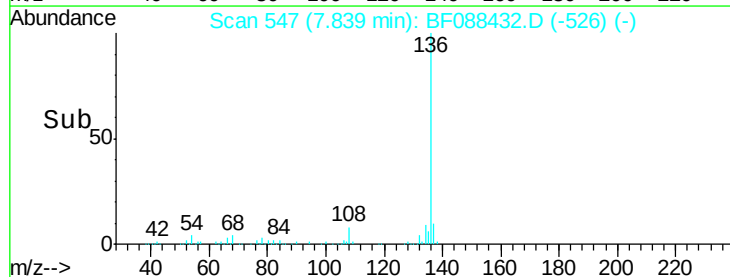
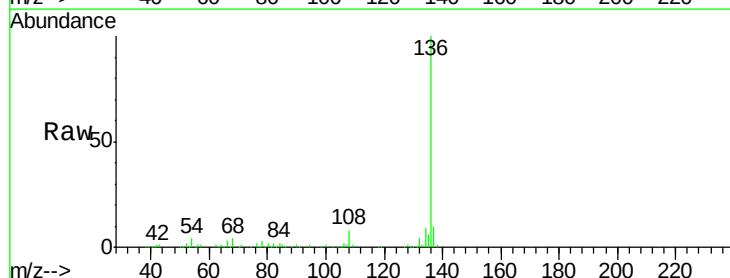
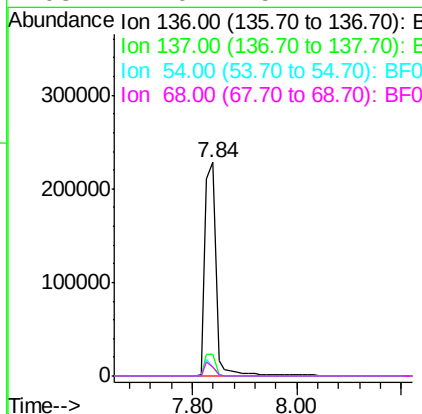
RT: 7.84 min Scan# 547

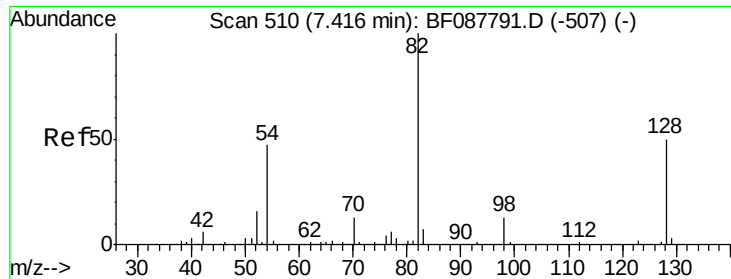
Delta R.T. -0.06 min

Lab File: BF088432.D

Acq: 26 Jun 2016 21:51

Tgt Ion:	136	Resp:	339194
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.1	13.7
54	4.4	6.6	10.0#
68	4.0	5.1	7.7#





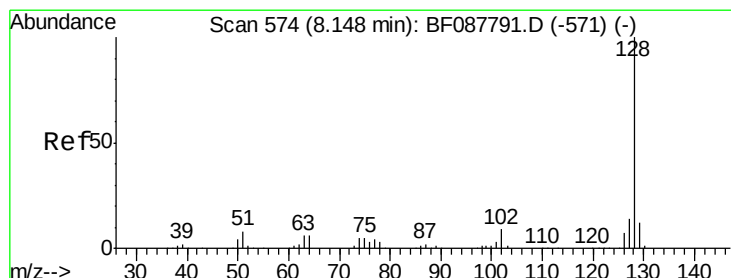
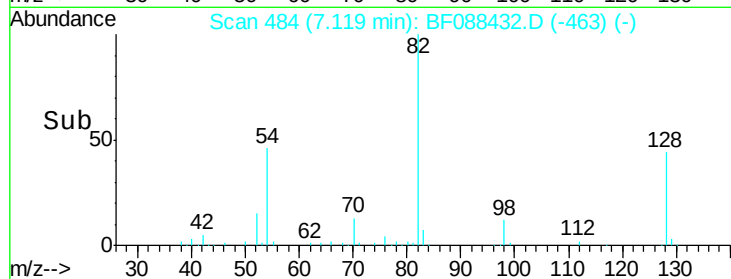
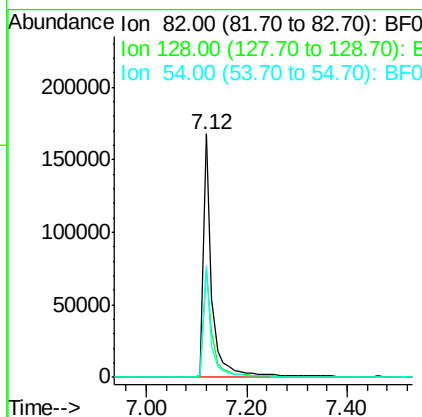
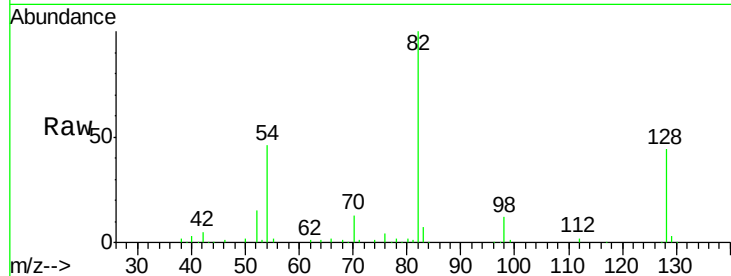
#23
 Nitrobenzene-d5
 Concen: 34.67 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.06 min
 Lab File: BF088432.D
 Acq: 26 Jun 2016 21:51

Instrument :
 BNA_F
 ClientSampled :
 SS-2

Tot Ion	82	Resp	201408
Ion Ratio	100	Lower	Upper
82	100		
128	44.2	35.9	53.9
54	45.9	40.9	61.3

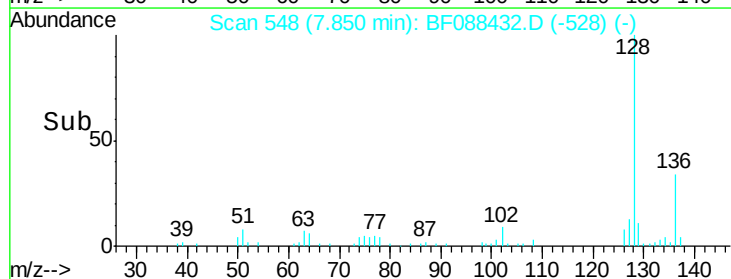
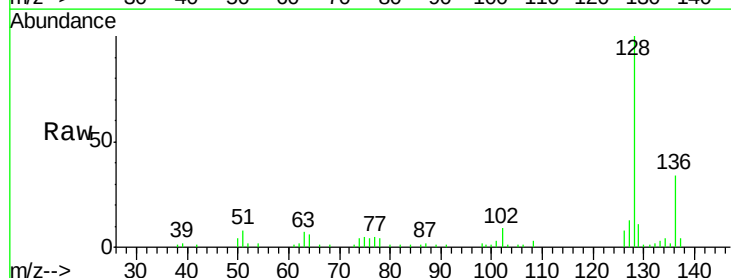
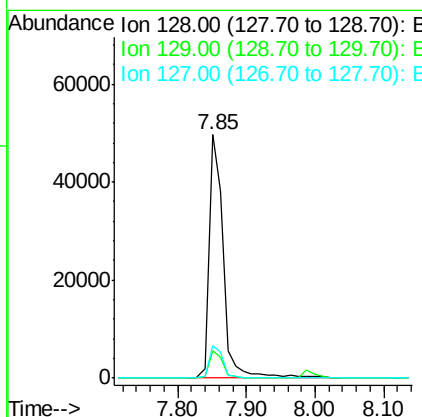
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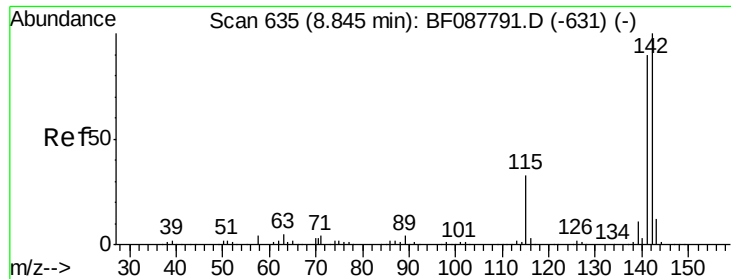
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#31
 Naphthalene
 Concen: 4.29 ng
 RT: 7.85 min Scan# 548
 Delta R.T. -0.07 min
 Lab File: BF088432.D
 Acq: 26 Jun 2016 21:51

Tgt Ion	128	Resp	71982
Ion Ratio	100	Lower	Upper
128	100		
129	11.4	9.4	14.2
127	13.3	10.9	16.3





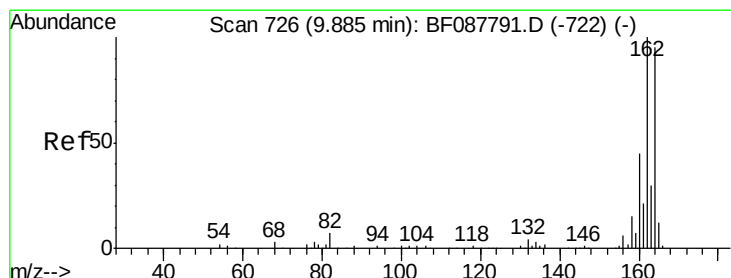
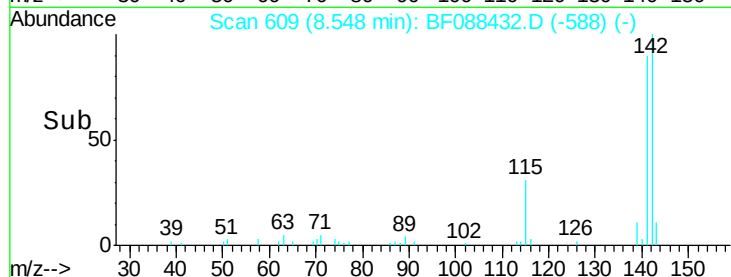
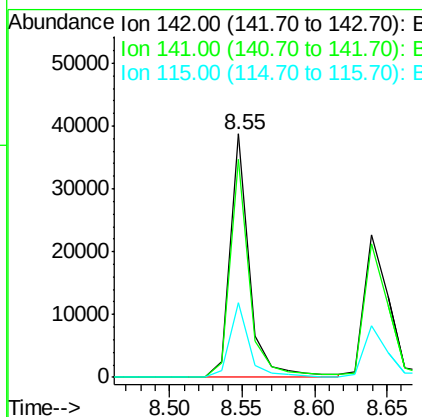
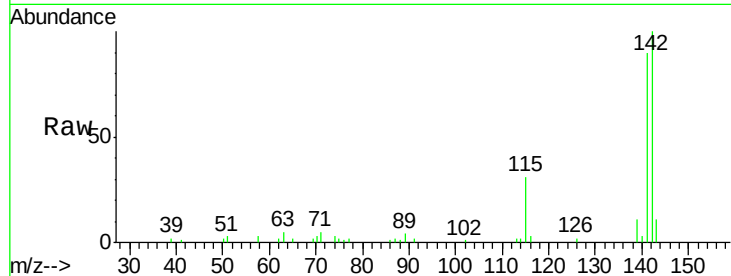
#37
2-Methylnaphthalene
Concen: 3.25 ng
RT: 8.55 min Scan# 609
Delta R.T. -0.06 min
Lab File: BF088432.D
Acq: 26 Jun 2016 21:51

Instrument :
BNA_F
ClientSampled :
SS-2

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.0	106.6
115	30.6	22.6	33.8

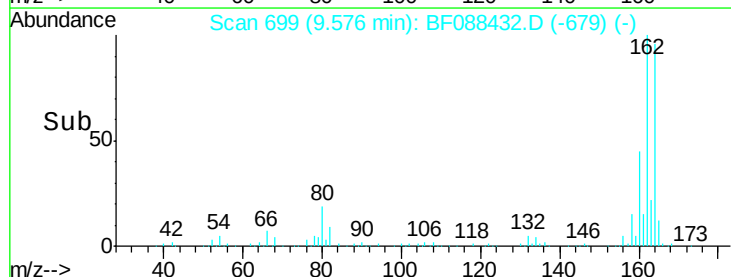
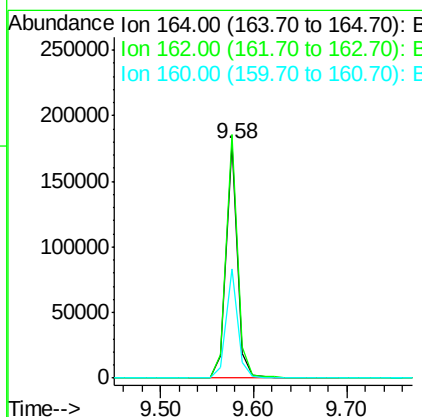
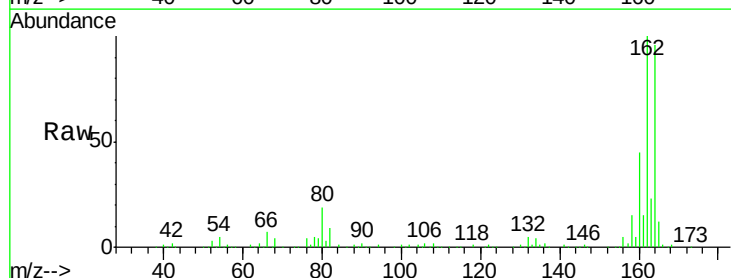
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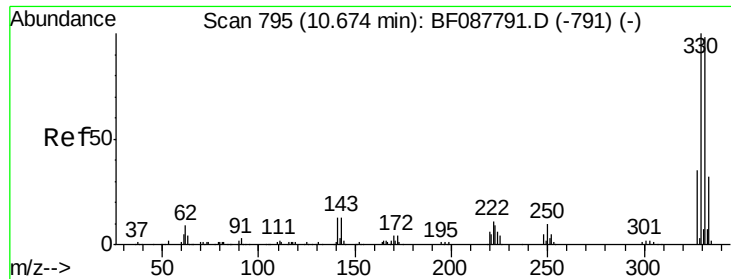
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.07 min
Lab File: BF088432.D
Acq: 26 Jun 2016 21:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	85.4	128.2
160	46.8	39.5	59.3





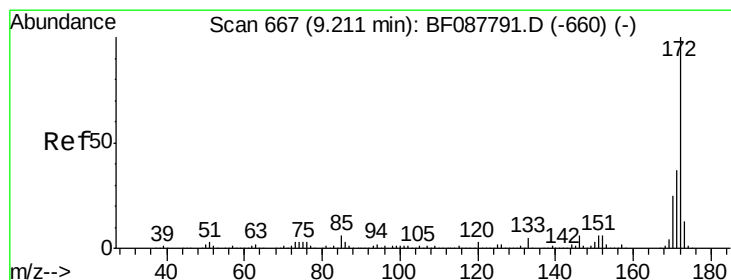
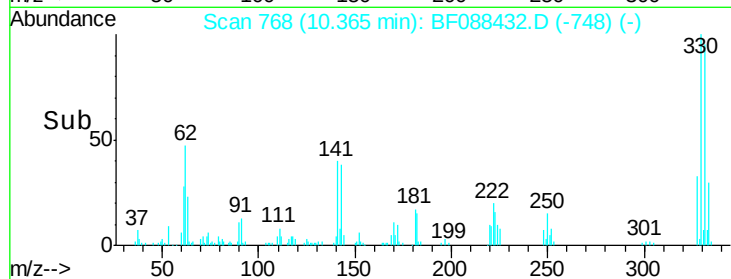
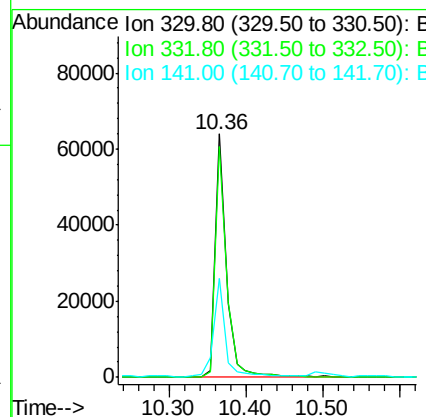
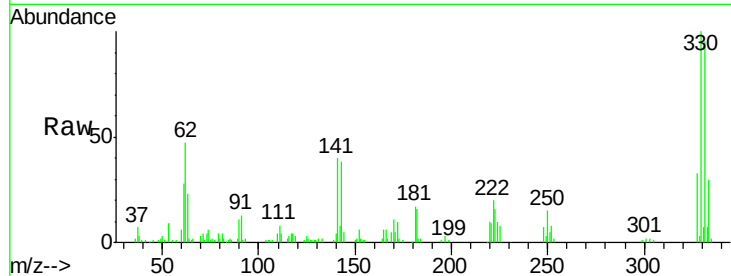
#41
 2,4,6-Tribromophenol
 Concen: 40.78 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.07 min
 Lab File: BF088432.D
 Acq: 26 Jun 2016 21:51

Instrument :
 BNA_F
 ClientSampled :
 SS-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	65119		
332	96.0	0.0	0.0	0.0
141	42.9	0.0	0.0	0.0

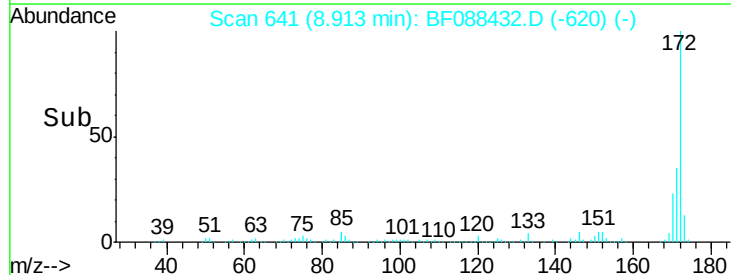
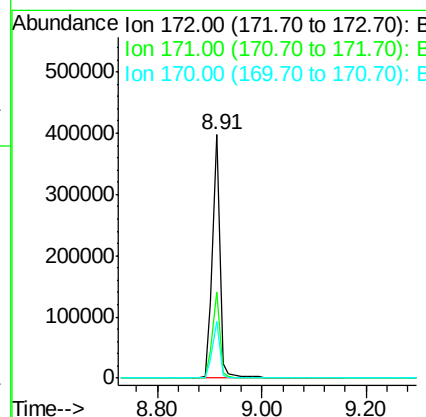
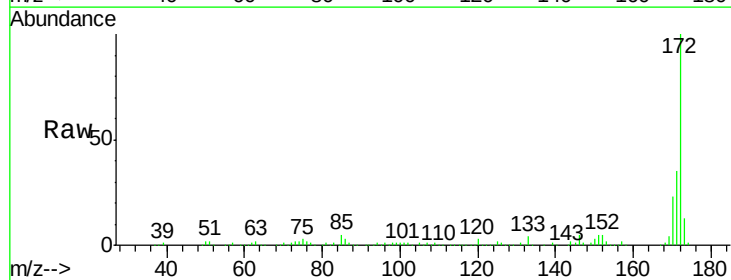
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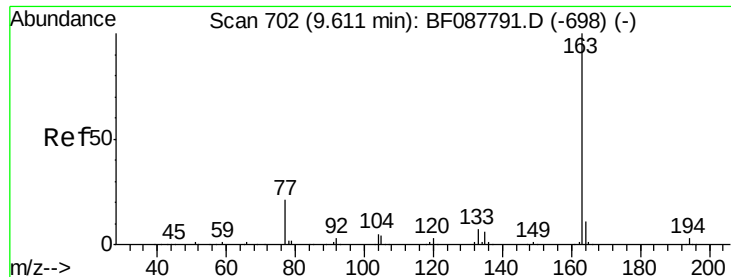
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#44
 2-Fluorobiphenyl
 Concen: 38.42 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.06 min
 Lab File: BF088432.D
 Acq: 26 Jun 2016 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	399055		
171	35.2	28.6	43.0	
170	23.4	19.2	28.8	





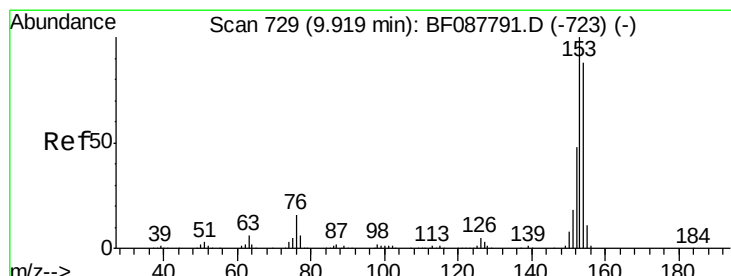
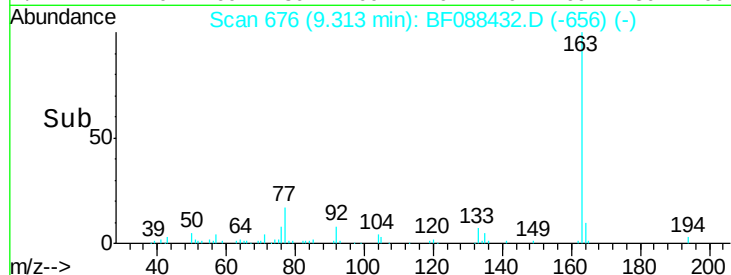
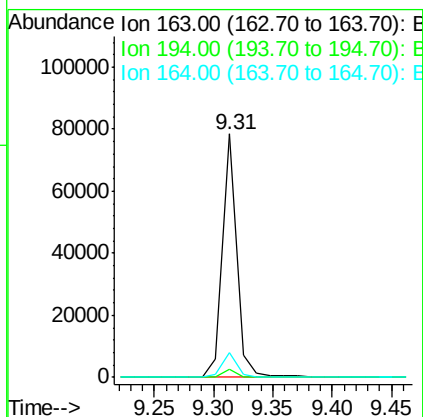
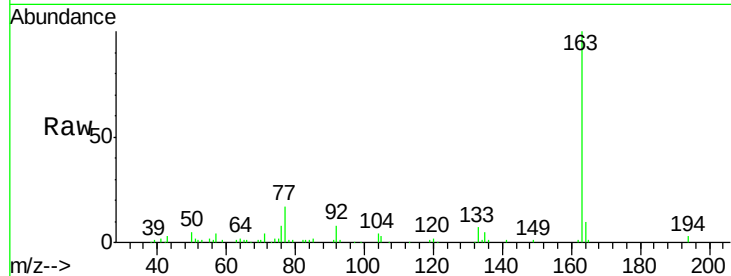
#49
Dimethylphthalate
Concen: 5.94 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.07 min
Lab File: BF088432.D
Acq: 26 Jun 2016 21:51

Instrument :
BNA_F
ClientSampled :
SS-2

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	10.2	8.3	12.5

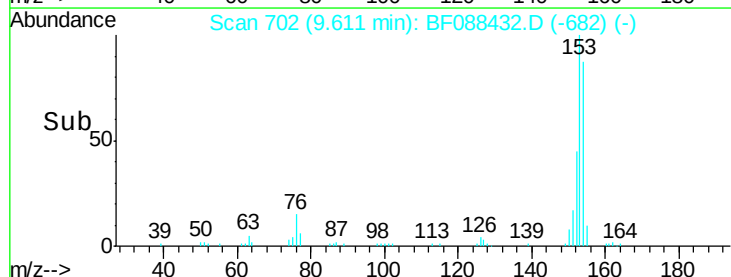
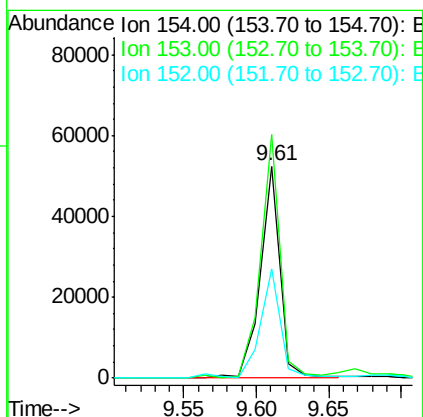
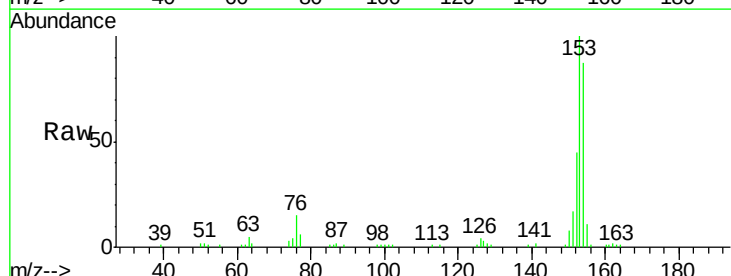
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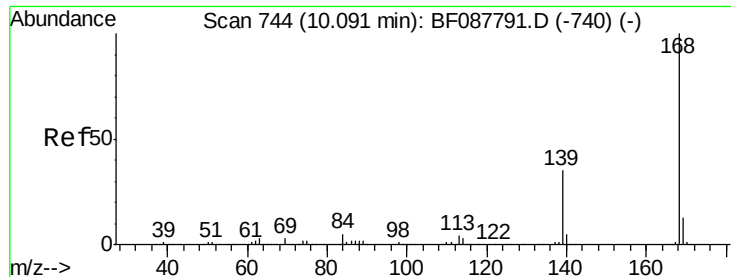
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#51
Acenaphthene
Concen: 5.10 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.07 min
Lab File: BF088432.D
Acq: 26 Jun 2016 21:51

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.7	89.5	134.3
152	51.8	42.7	64.1





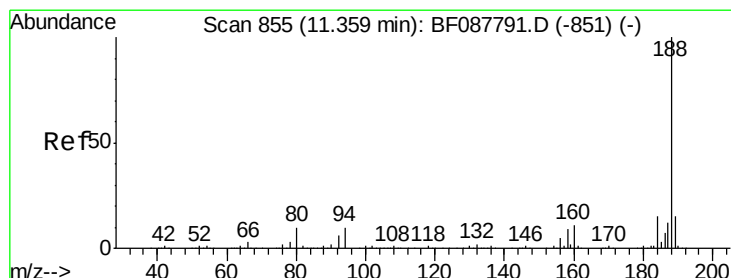
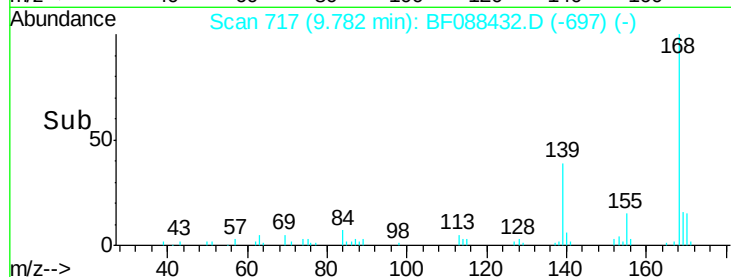
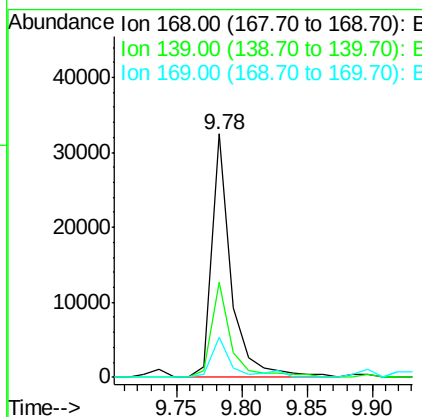
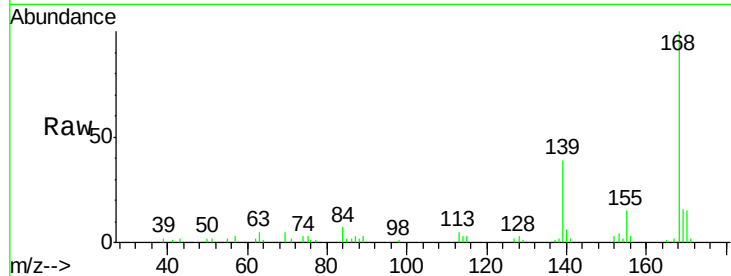
#54
Dibenzenofuran
Concen: 2.54 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.07 min
Lab File: BF088432.D
Acq: 26 Jun 2016 21:51

Instrument :
BNA_F
ClientSampled :
SS-2

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.0	26.4	39.6
169	16.5	10.4	15.6

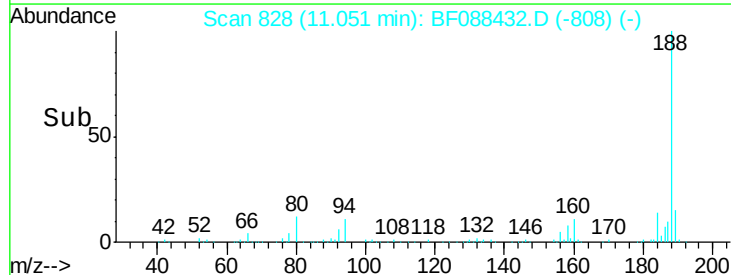
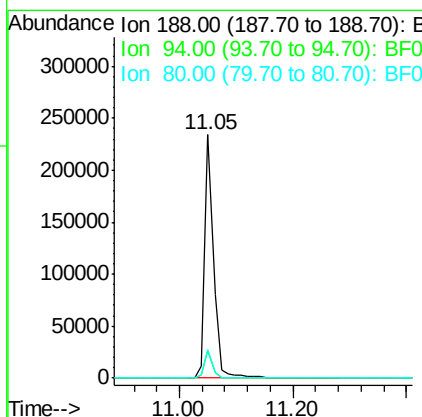
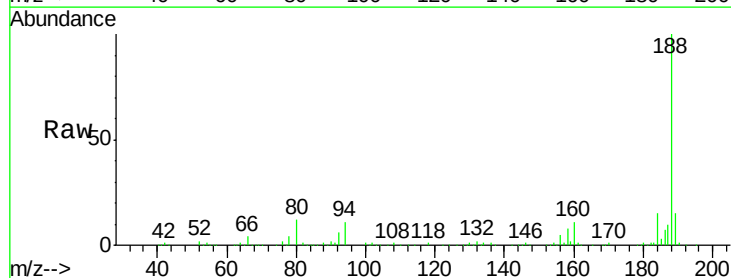
Manual Integrations
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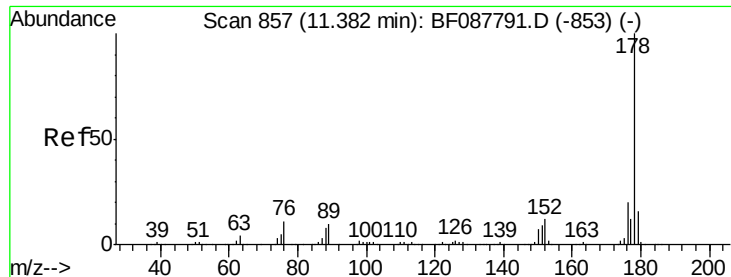
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.07 min
Lab File: BF088432.D
Acq: 26 Jun 2016 21:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.0	13.6
80	11.7	10.0	15.0





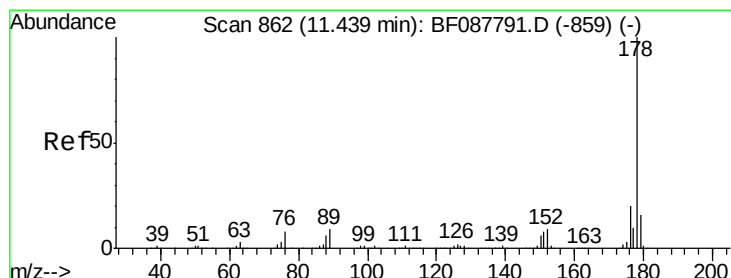
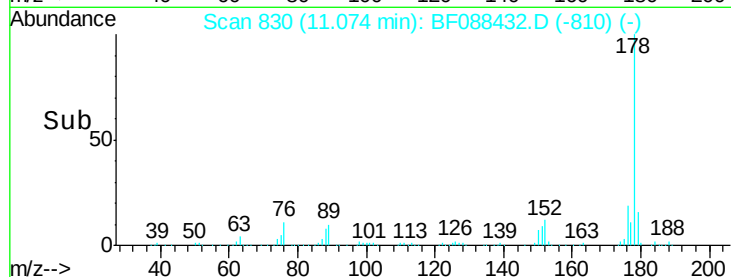
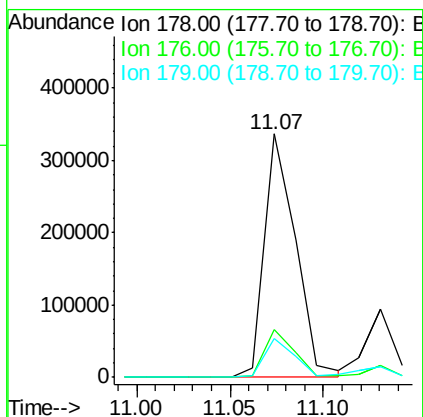
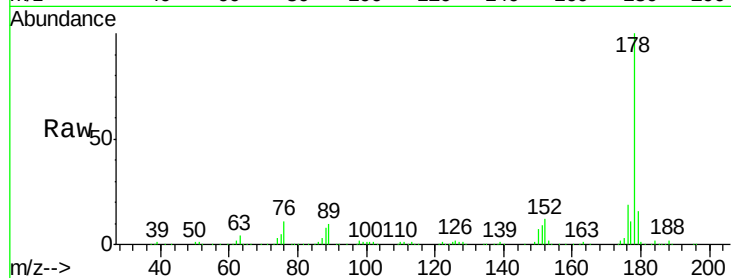
#70
Phenanthrene
Concen: 30.53 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.07 min
Lab File: BF088432.D
Acq: 26 Jun 2016 21:51

Instrument :
BNA_F
ClientSampleId :
SS-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	15.7	13.0	19.4

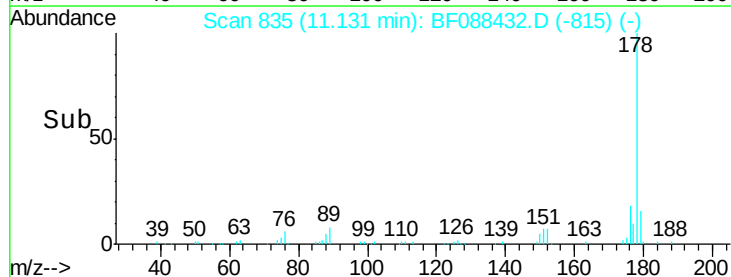
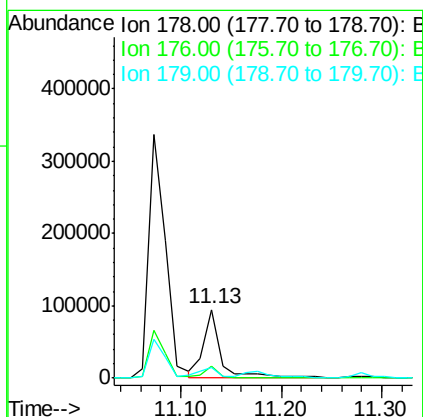
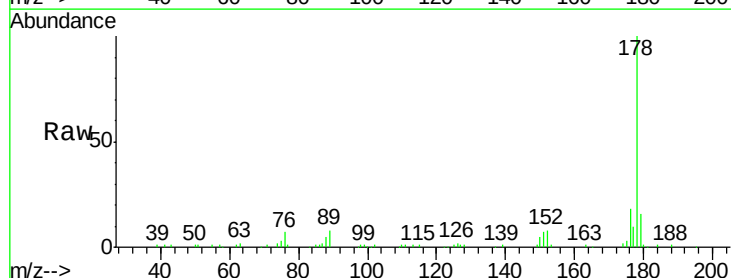
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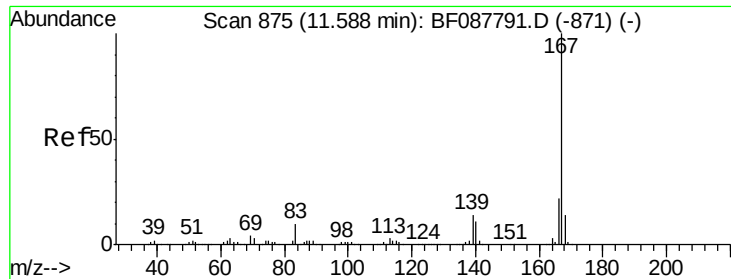
sohil
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#71
Anthracene
Concen: 8.60 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.07 min
Lab File: BF088432.D
Acq: 26 Jun 2016 21:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.6	23.4
179	15.8	12.8	19.2





#72

Carbazole

Concen: 5.89 ng

RT: 11.29 min Scan# 849

Delta R.T. -0.07 min

Lab File: BF088432.D

Acq: 26 Jun 2016 21:51

Instrument :

BNA_F

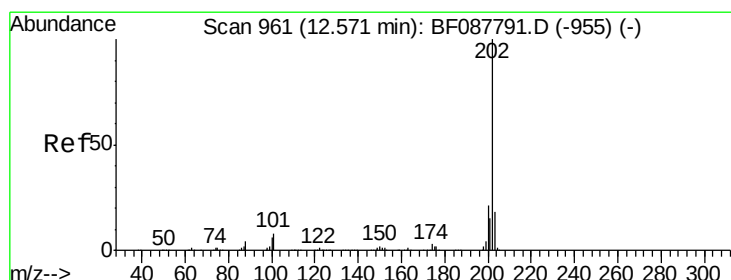
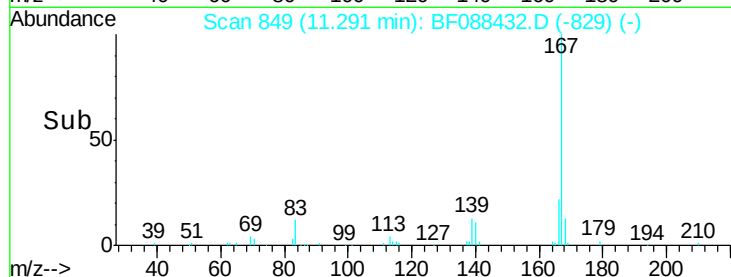
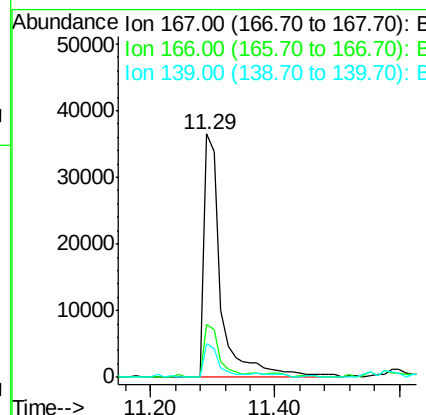
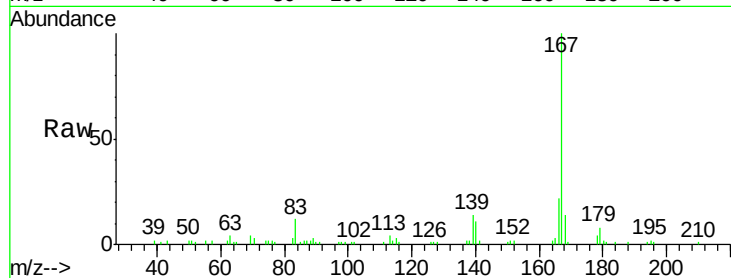
ClientSampled :

SS-2

Tot Ion:	167	Resp:	70583
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.8	26.6
139	13.8	11.2	16.8

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#74

Fluoranthene

Concen: 41.84 ng

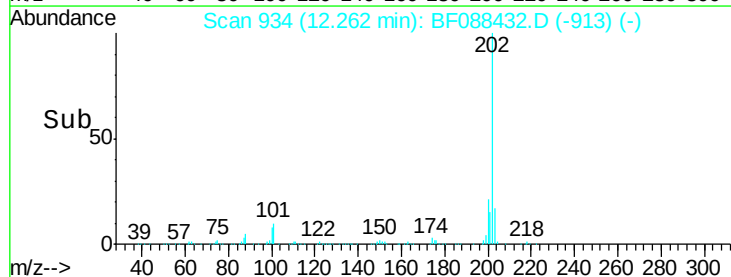
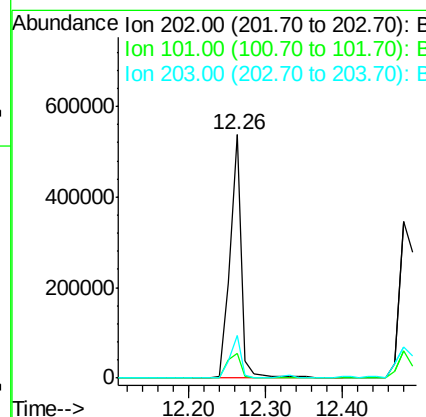
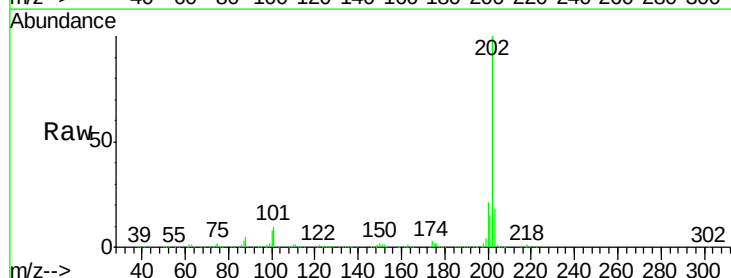
RT: 12.26 min Scan# 934

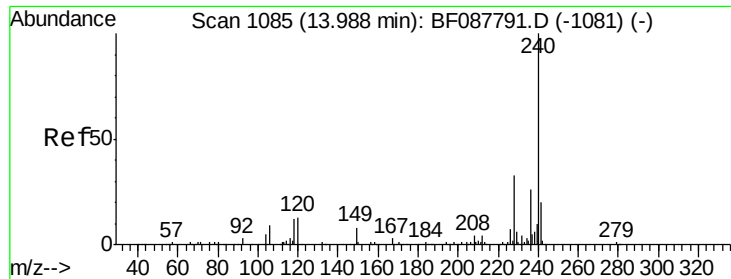
Delta R.T. -0.06 min

Lab File: BF088432.D

Acq: 26 Jun 2016 21:51

Tgt Ion:	202	Resp:	561044
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	33.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.07 min

Lab File: BF088432.D

Acq: 26 Jun 2016 21:51

Instrument :

BNA_F

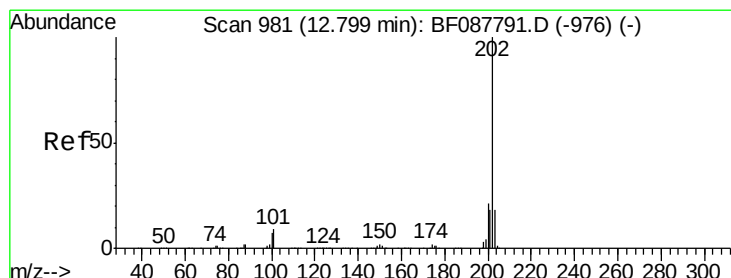
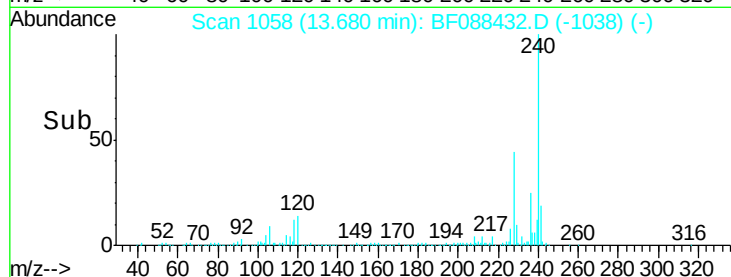
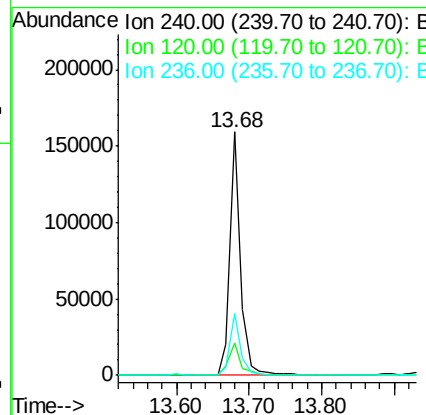
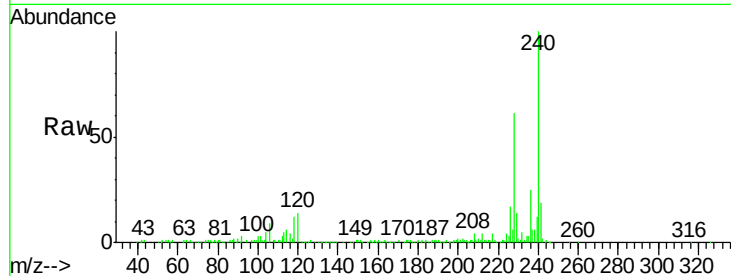
ClientSampled :

SS-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	6.8	10.2#
236	25.3	20.2	30.2

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#77

Pyrene

Concen: 38.59 ng

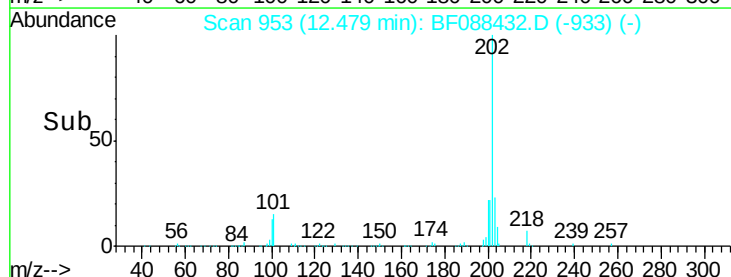
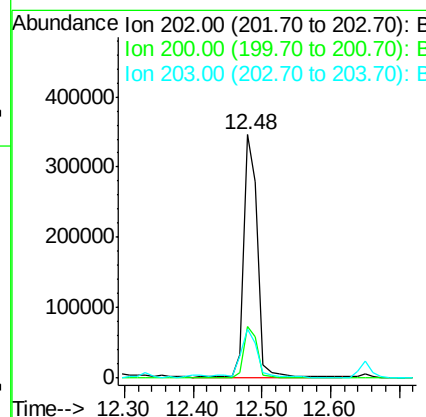
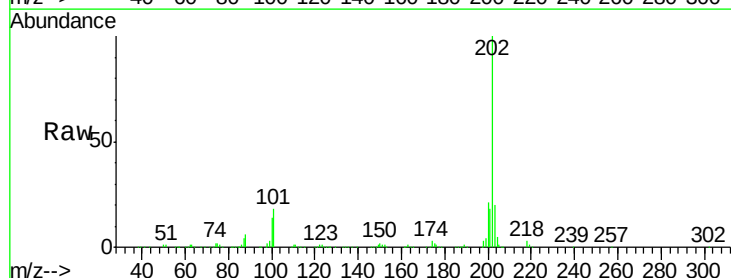
RT: 12.48 min Scan# 953

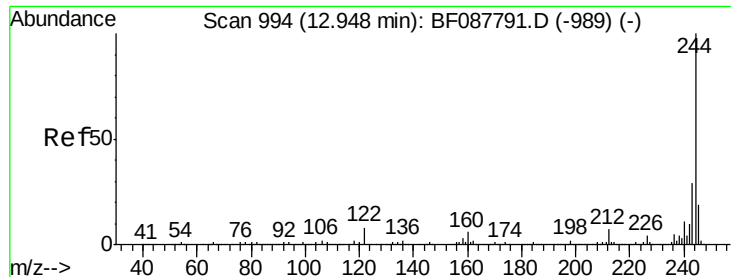
Delta R.T. -0.07 min

Lab File: BF088432.D

Acq: 26 Jun 2016 21:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	20.0	14.5	21.7





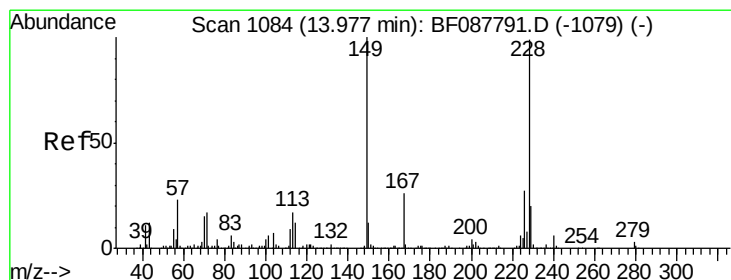
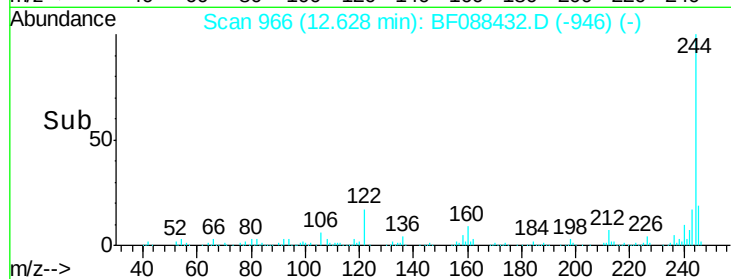
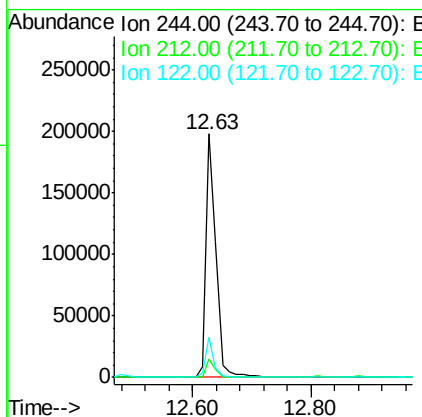
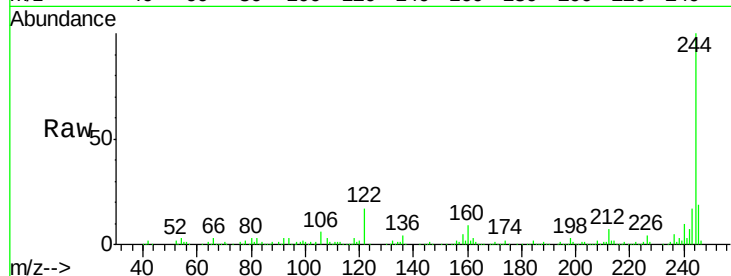
#78
 Terphenyl-d14
 Concen: 32.40 ng
 RT: 12.63 min Scan# 966
 Delta R.T. -0.07 min
 Lab File: BF088432.D
 Acq: 26 Jun 2016 21:51

Instrument :
 BNA_F
 ClientSampled :
 SS-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	16.5	11.2	16.8

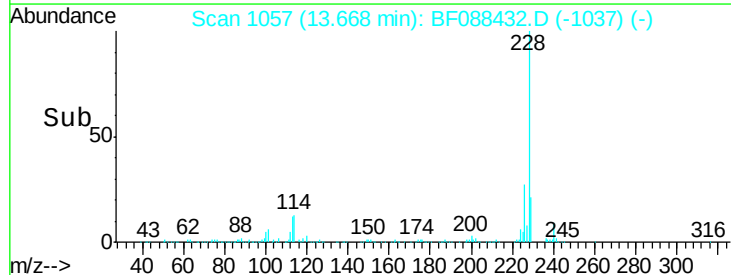
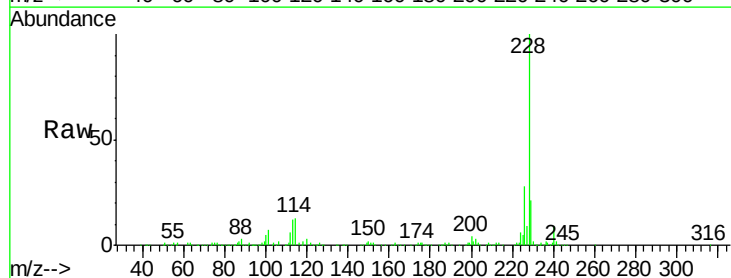
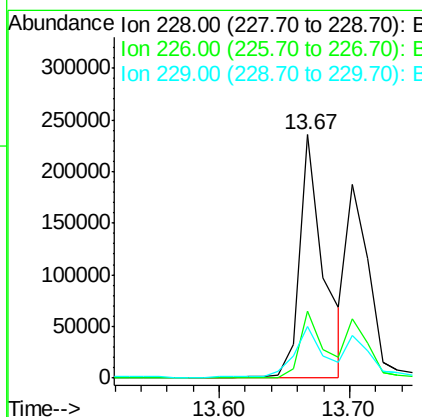
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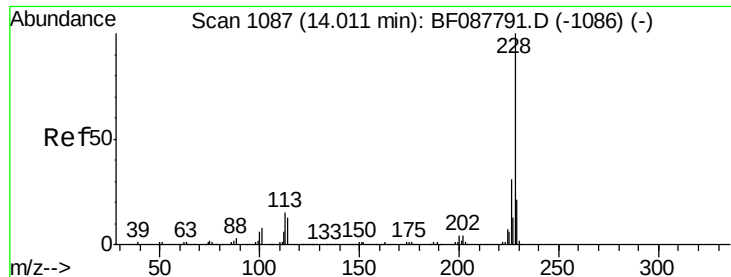
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#80
 Benzo(a)anthracene
 Concen: 31.98 ng
 RT: 13.67 min Scan# 1057
 Delta R.T. -0.07 min
 Lab File: BF088432.D
 Acq: 26 Jun 2016 21:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.3	33.5
229	21.2	16.0	24.0





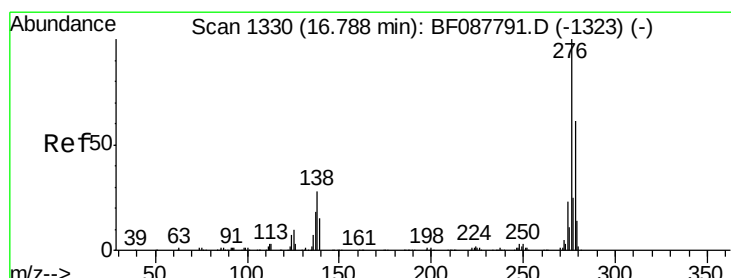
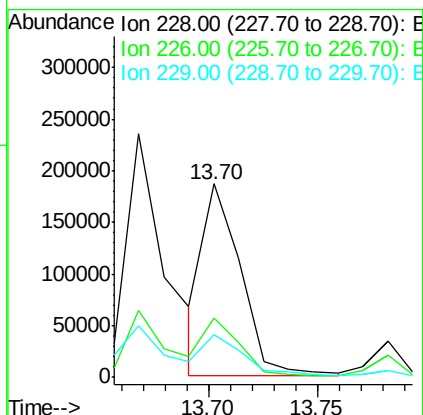
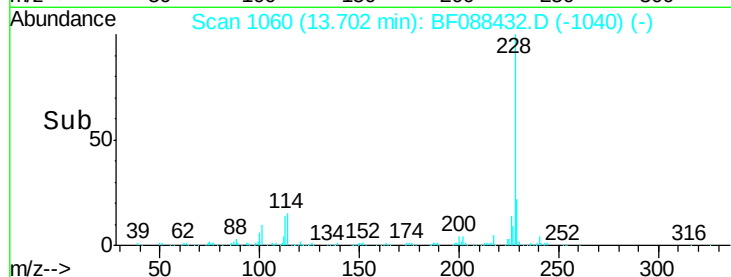
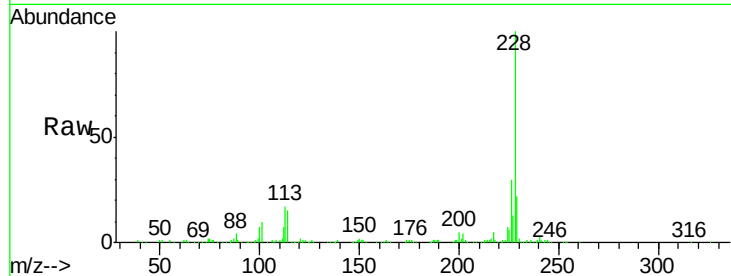
#82
 Chrysene
 Concen: 25.33 ng
 RT: 13.70 min Scan# 1060
 Delta R.T. -0.07 min
 Lab File: BF088432.D
 Acq: 26 Jun 2016 21:51

Instrument :
 BNA_F
 ClientSampled :
 SS-2

Tot Ion:	228	Resp:	224958
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.4	38.2
229	22.1	16.3	24.5

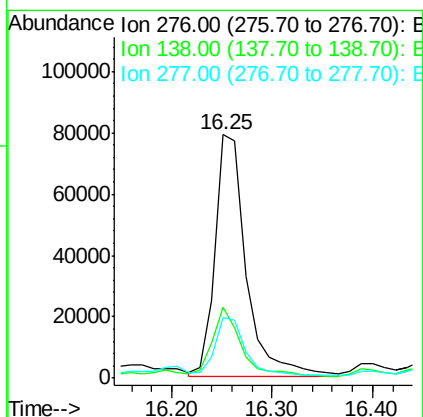
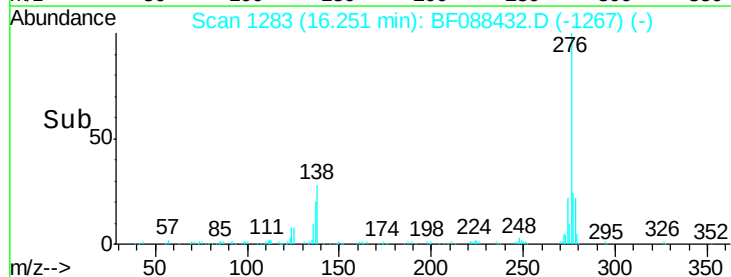
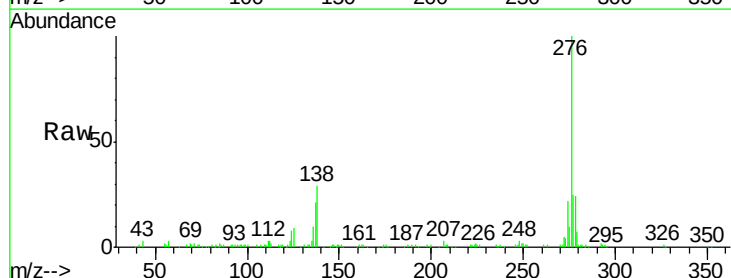
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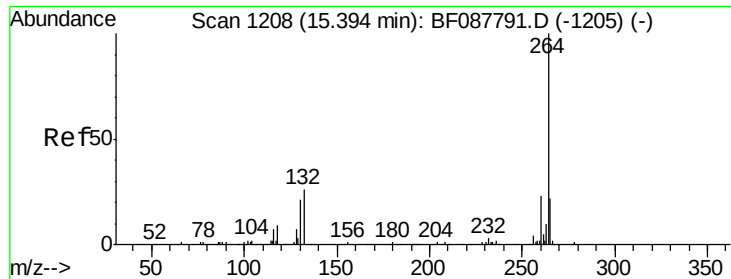
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 20.64 ng
 RT: 16.25 min Scan# 1283
 Delta R.T. -0.11 min
 Lab File: BF088432.D
 Acq: 26 Jun 2016 21:51

Tgt Ion:	276	Resp:	170257
Ion Ratio	Lower	Upper	
276	100		
138	27.1	0.0	0.0#
277	23.2	0.0	0.0#





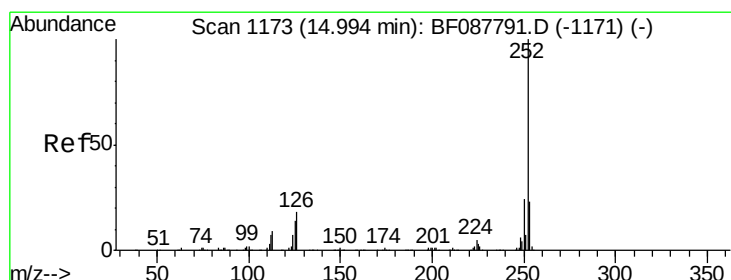
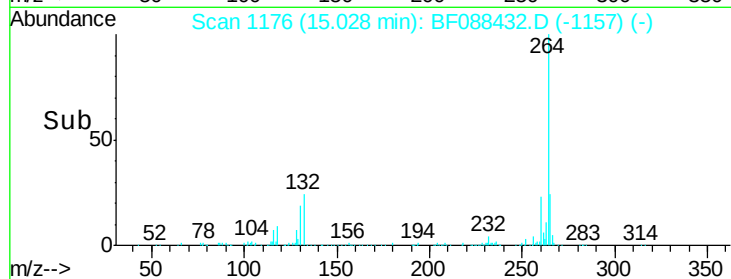
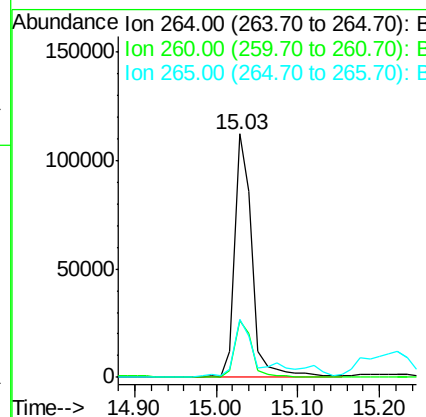
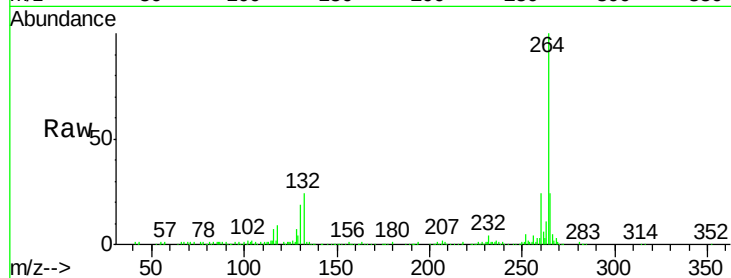
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.08 min
Lab File: BF088432.D
Acq: 26 Jun 2016 21:51

Instrument :
BNA_F
ClientSampleId :
SS-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	24.0	16.9	25.3

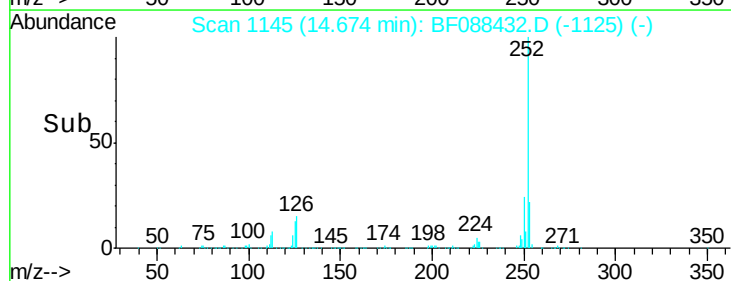
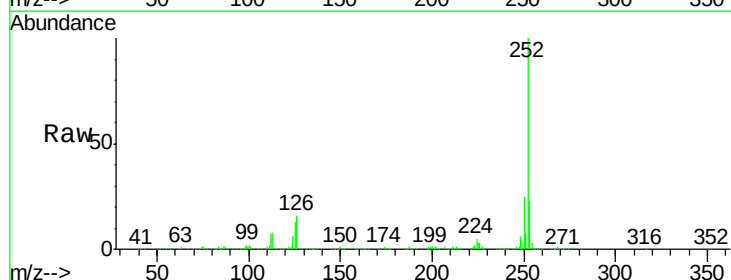
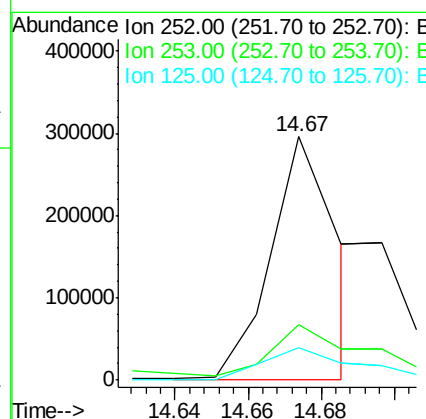
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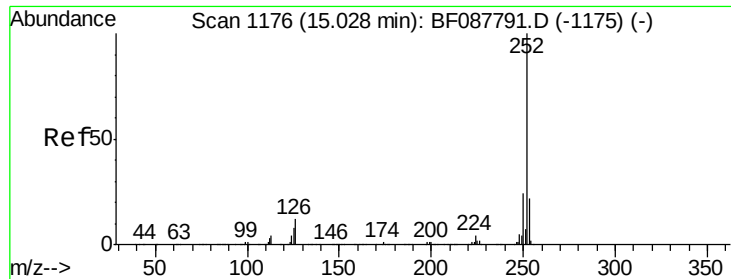
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#87
Benzo(b)fluoranthene
Concen: 32.36 ng m
RT: 14.67 min Scan# 1145
Delta R.T. -0.07 min
Lab File: BF088432.D
Acq: 26 Jun 2016 21:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	13.5	7.1	10.7#





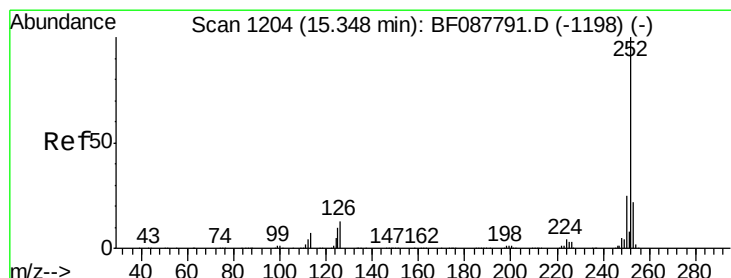
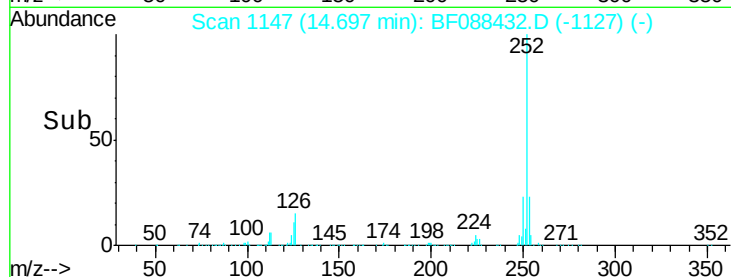
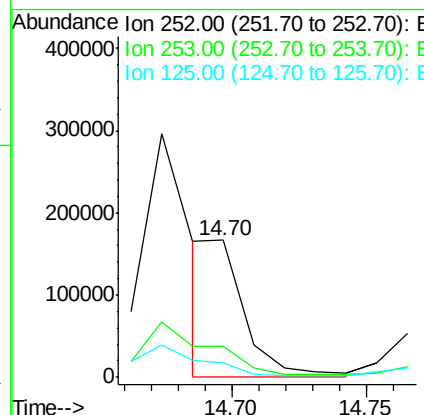
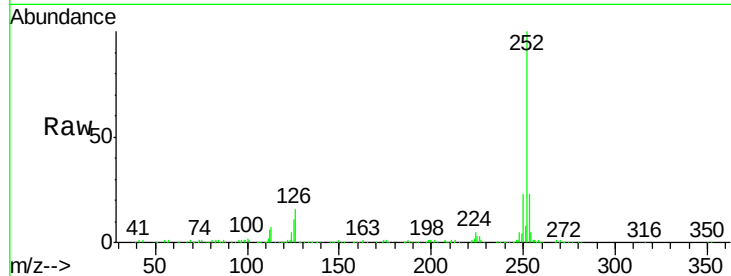
#88
Benzo(k)fluoranthene
Concen: 18.05 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.07 min
Lab File: BF088432.D
Acq: 26 Jun 2016 21:51

Instrument :
BNA_F
ClientSampled :
SS-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	10.9	11.2	16.8

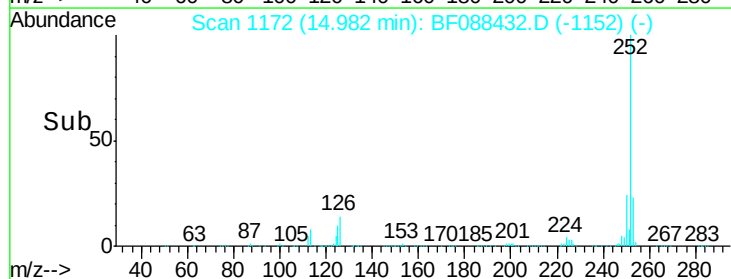
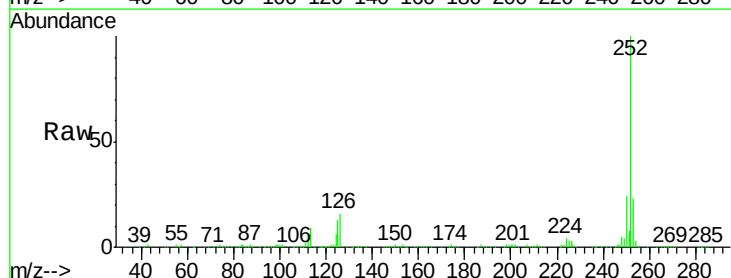
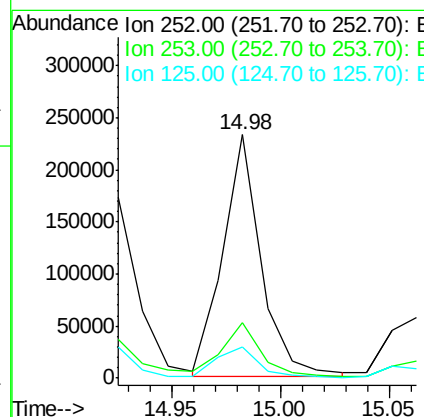
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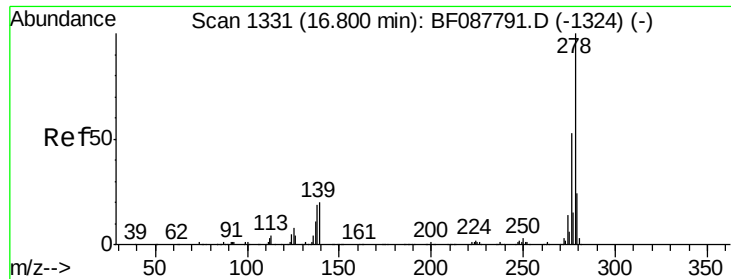
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#89
Benzo(a)pyrene
Concen: 30.52 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.07 min
Lab File: BF088432.D
Acq: 26 Jun 2016 21:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	12.5	12.5	18.7





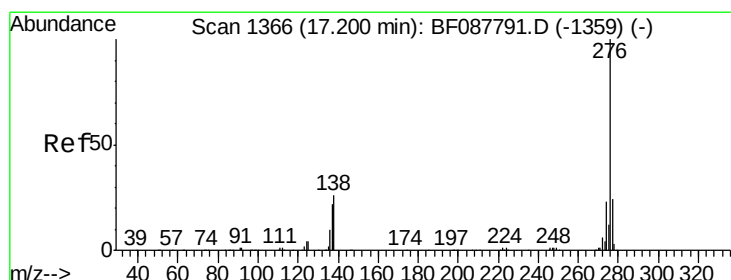
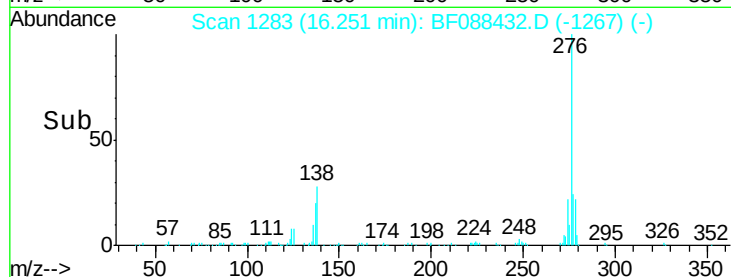
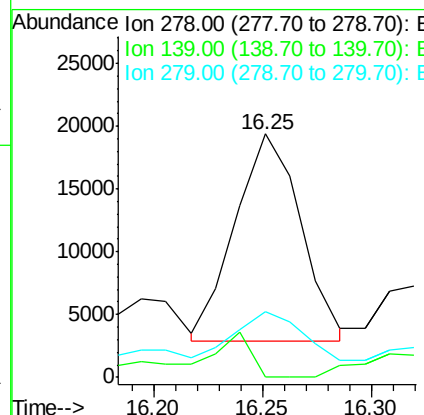
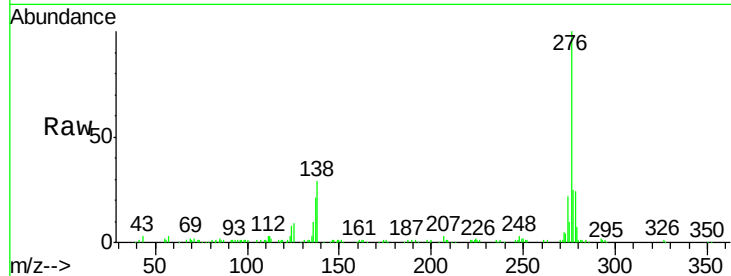
#90
Dibenzo(a,h)anthracene
Concen: 3.99 ng/mL
RT: 16.25 min Scan# 1283
Delta R.T. -0.11 min
Lab File: BF088432.D
Acq: 26 Jun 2016 21:51

Instrument :
BNA_F
ClientSampled :
SS-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	26.8	19.4	29.2

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#91
Benzo(g,h,i)perylene
Concen: 17.85 ng/mL
RT: 16.62 min Scan# 1315
Delta R.T. -0.13 min
Lab File: BF088432.D
Acq: 26 Jun 2016 21:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.9	28.3
138	27.7	21.4	32.2

