

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
 Data File : BF090897.D
 Acq On : 28 Oct 2016 5:13
 Operator : UM/SJ
 Sample : H5423-07 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4COMP(0-16FEET)

Manual Integrations
 APPROVED

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 10/28/2016 5:24:00 PM

Quant Time: Oct 28 05:57:06 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 27 18:46:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	67431	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	265296	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	115289	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	160672	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	166522	20.00	ng	-0.01
86) Perylene-d12	15.35	264	127813	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	432261	112.08	ng	0.00
7) Phenol-d6	6.41	99	639617	122.93	ng	-0.01
23) Nitrobenzene-d5	7.33	82	369196	91.10	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	66387	56.03	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	599682	91.34	ng	-0.01
78) Terphenyl-d14	12.89	244	477433	72.23	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.54	163	188939	24.53	ng	Qvalue # 97
70) Phenanthrene	11.32	178	33451	4.09	ng	97
74) Fluoranthene	12.51	202	77160	8.61	ng	92
77) Pyrene	12.74	202	98580	9.35	ng	97
80) Benzo(a)anthracene	13.93	228	52643m	5.96	ng	
82) Chrysene	13.96	228	49379m	5.52	ng	
85) Indeno(1,2,3-cd)pyrene	16.71	276	17672	2.23	ng	# 81
87) Benzo(b)fluoranthene	14.95	252	43852m	5.10	ng	
88) Benzo(k)fluoranthene	14.96	252	23035m	3.39	ng	
89) Benzo(a)pyrene	15.29	252	38039	5.15	ng	# 93
91) Benzo(g,h,i)perylene	17.12	276	19353	3.29	ng	# 80

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

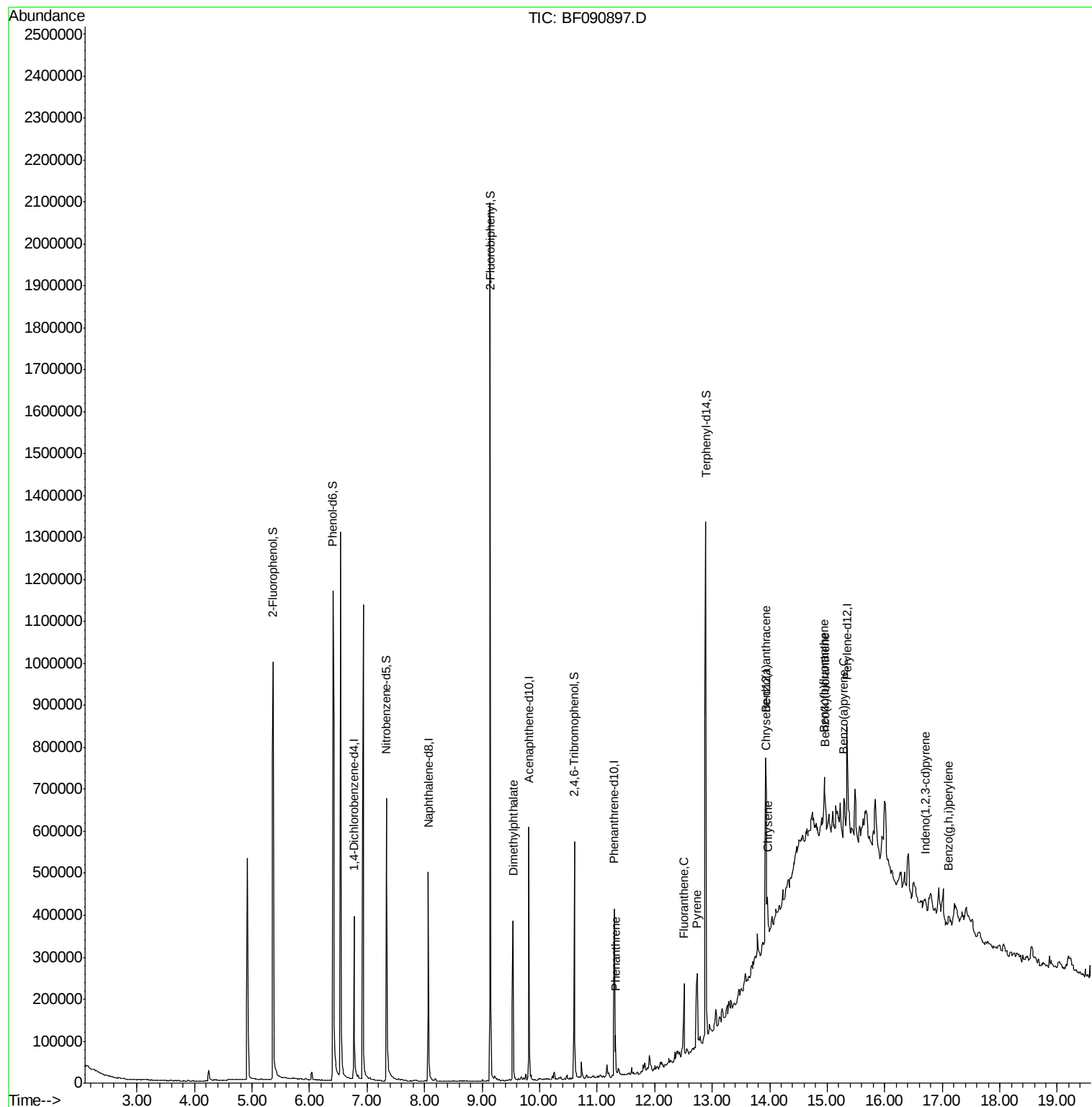
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090897.D
Acq On : 28 Oct 2016 5:13
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Misc :
ALS Vial : 30 Sample Multiplier: 1

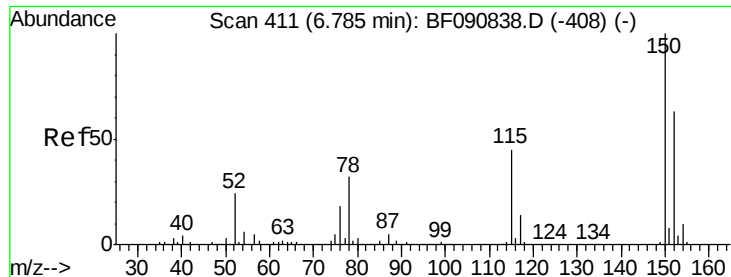
Instrument :
BNA_F
ClientSampleId :
SB-4COMP(0-16FEET)

Manual Integrations
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Quant Time: Oct 28 05:57:06 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

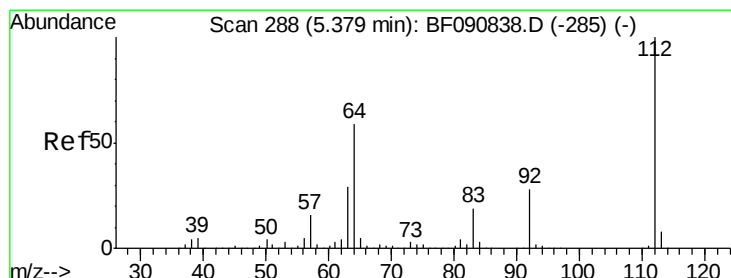
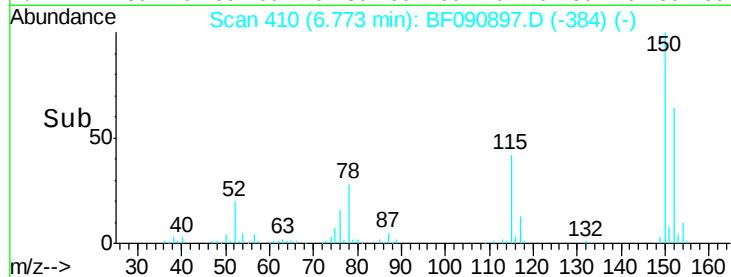
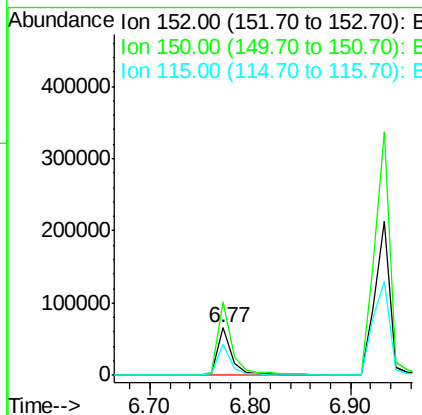
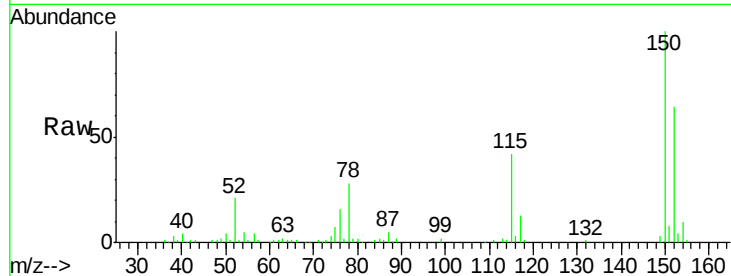
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF090897.D
Acq: 28 Oct 2016 5:13

Instrument :
BNA_F
ClientSampleId :
SB-4COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.7	187.1
115	64.8	39.0	58.4

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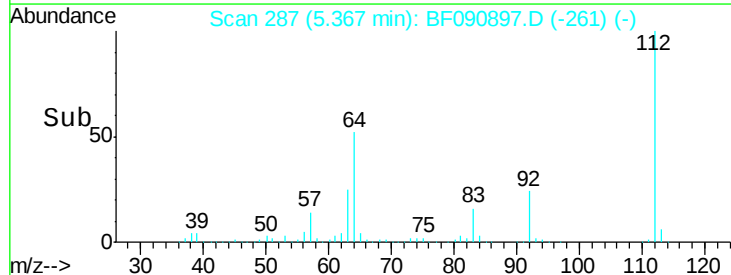
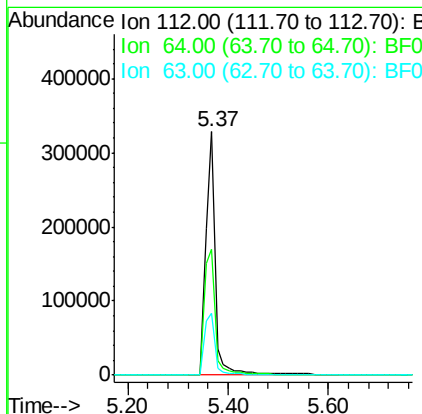
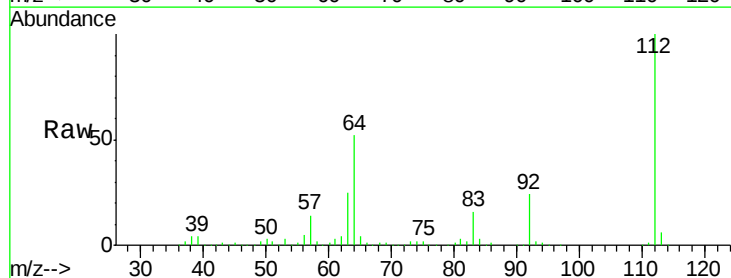
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#5

2-Fluorophenol
Concen: 112.08 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.00 min
Lab File: BF090897.D
Acq: 28 Oct 2016 5:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.6	39.7	59.5
63	25.3	17.4	26.0





#7

Phenol-d6

Concen: 122.93 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF090897.D

Acq: 28 Oct 2016 5:13

Instrument :

BNA_F

ClientSampleId :

SB-4COMP(0-16FEET)

Tot Ion: 99 Resp: 639617

Ion Ratio Lower Upper

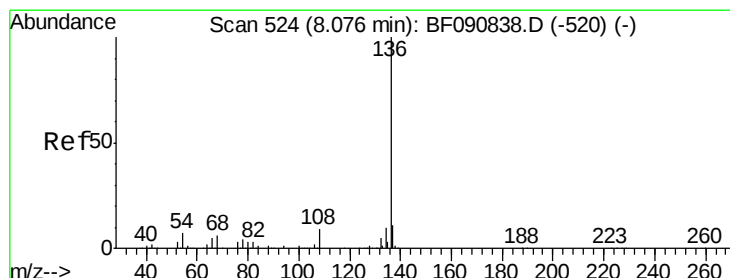
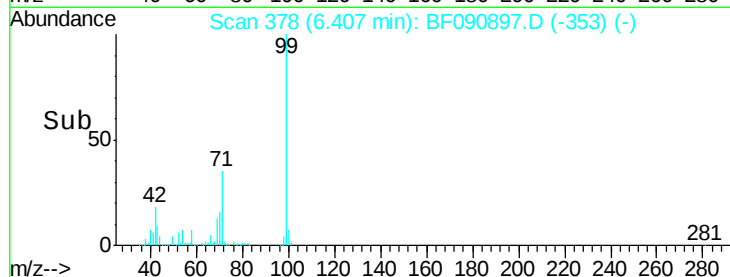
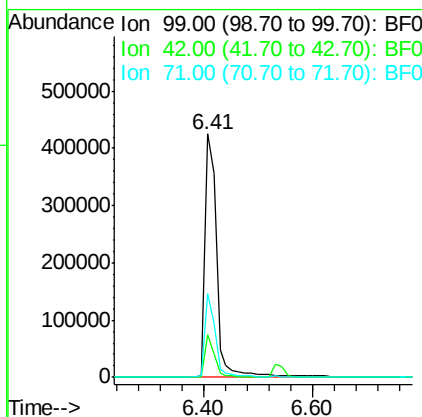
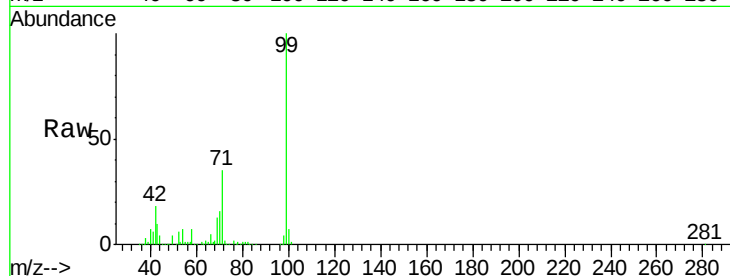
99 100

42 17.7 13.7 20.5

71 34.5 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF090897.D

Acq: 28 Oct 2016 5:13

Tgt Ion: 136 Resp: 265296

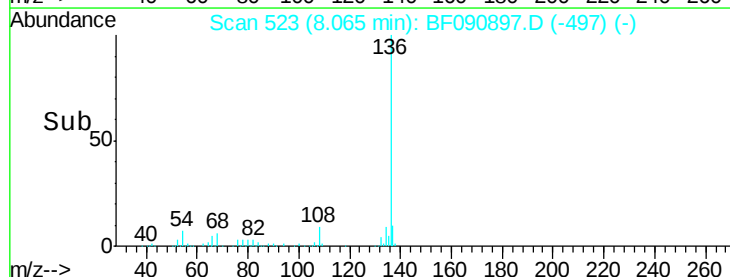
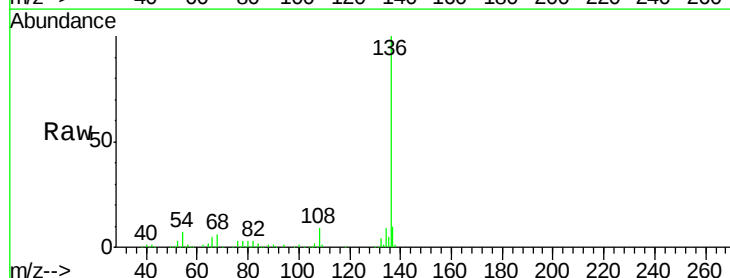
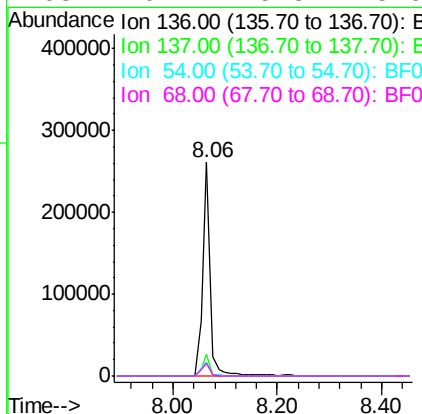
Ion Ratio Lower Upper

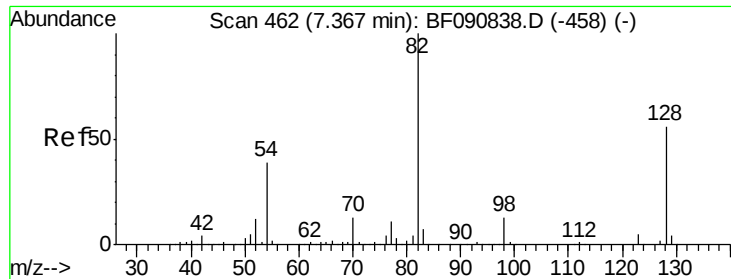
136 100

137 10.4 9.0 13.6

54 6.7 8.2 12.2#

68 6.2 5.8 8.6





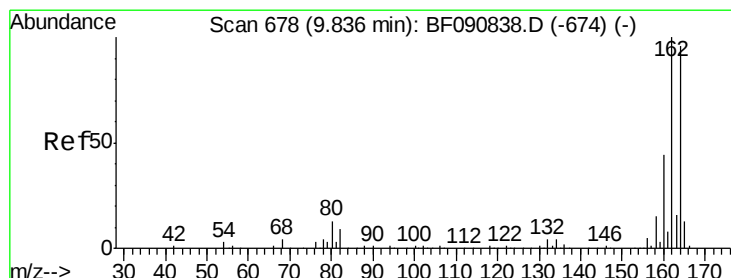
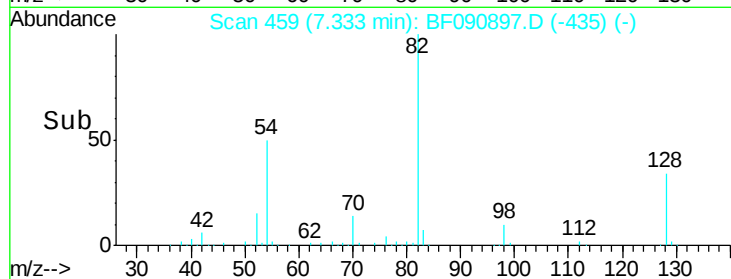
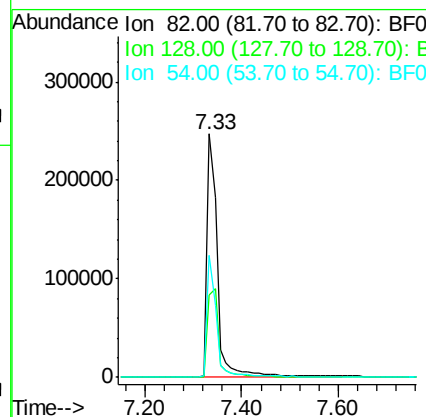
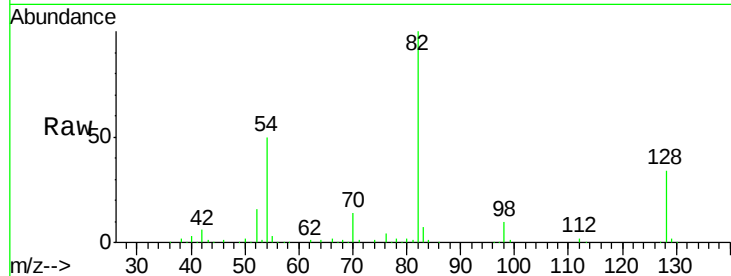
#23
 Nitrobenzene-d5
 Concen: 91.10 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.02 min
 Lab File: BF090897.D
 Acq: 28 Oct 2016 5:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-4COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.7	51.0	76.6#
54	50.4	47.5	71.3

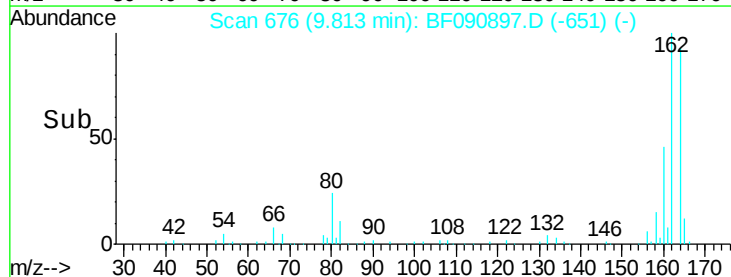
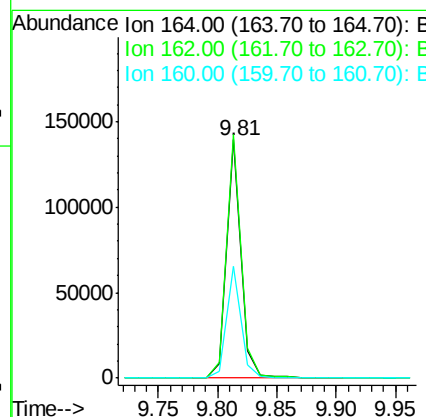
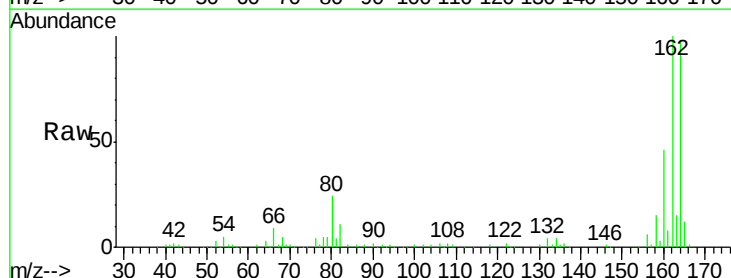
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF090897.D
 Acq: 28 Oct 2016 5:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	75.2	112.8
160	46.8	31.5	47.3





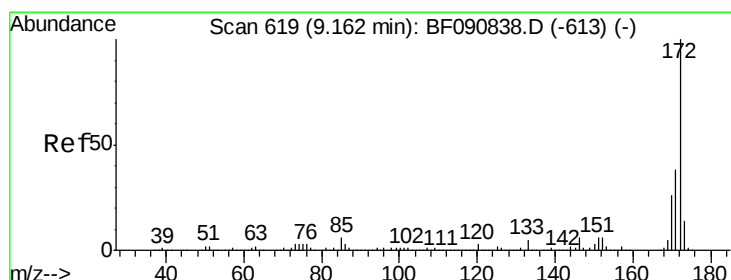
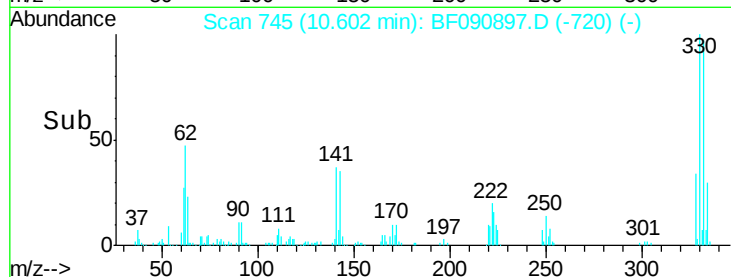
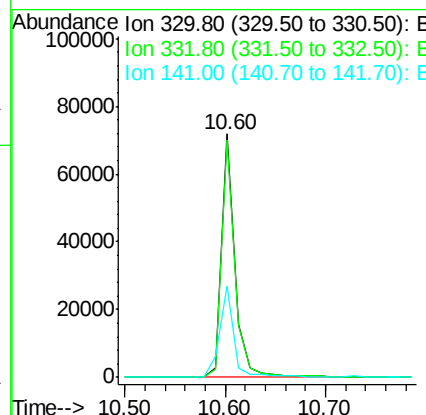
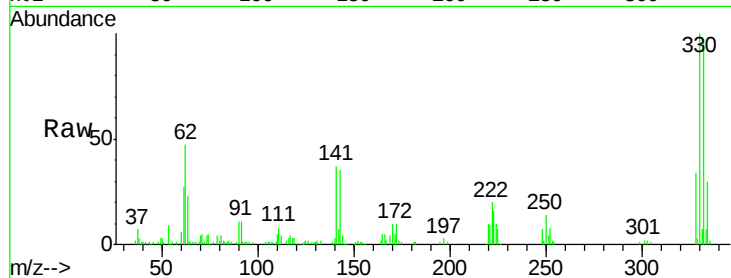
#41
 2,4,6-Tribromophenol
 Concen: 56.03 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF090897.D
 Acq: 28 Oct 2016 5:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-4COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	114.8
141	40.6	29.7	44.5

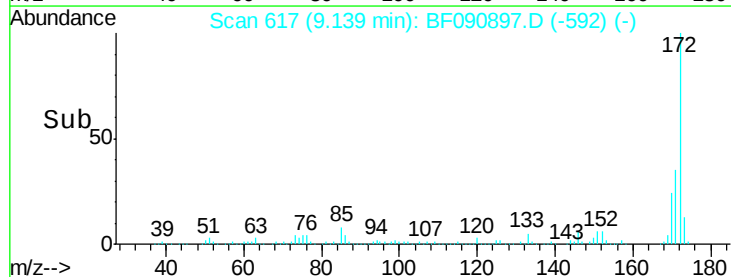
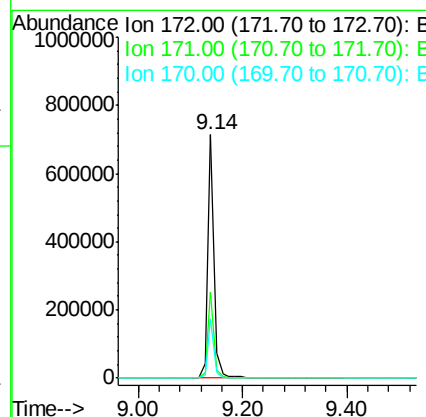
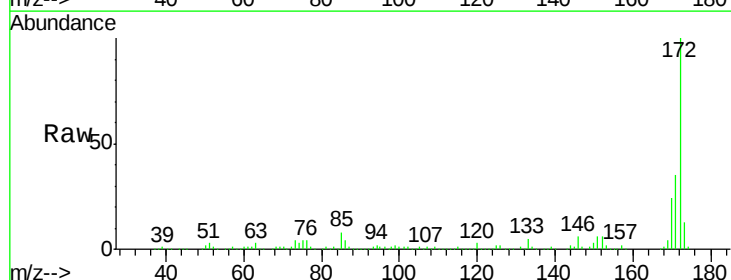
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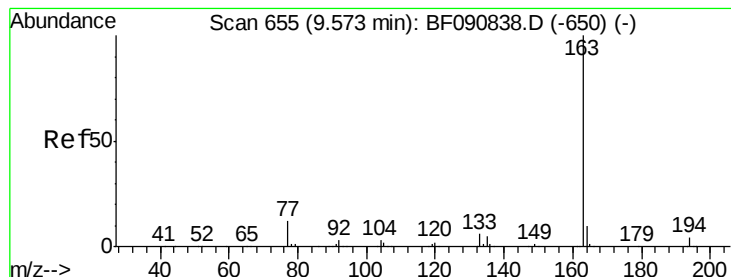
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#44
 2-Fluorobiphenyl
 Concen: 91.34 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF090897.D
 Acq: 28 Oct 2016 5:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	26.1	39.1
170	24.4	17.4	26.2





#49

Dimethylphthalate

Concen: 24.53 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.02 min

Lab File: BF090897.D

Acq: 28 Oct 2016 5:13

Instrument :

BNA_F

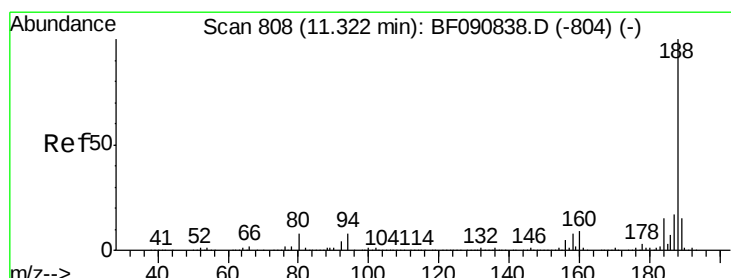
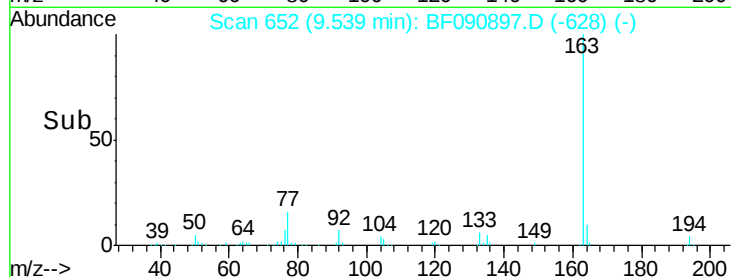
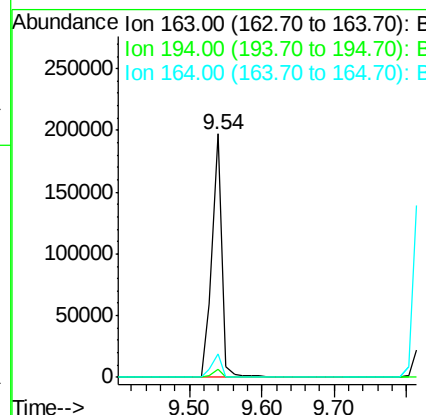
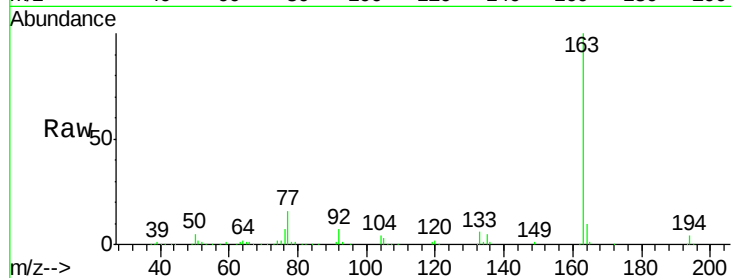
ClientSampleId :

SB-4COMP(0-16FEET)

Tot Ion:	163	Resp:	188939
Ion Ratio	Lower	Upper	
163	100		
194	3.5	4.4	6.6#
164	9.6	8.3	12.5

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#63

Phenanthrene-d10

Concen: 20.00 ng

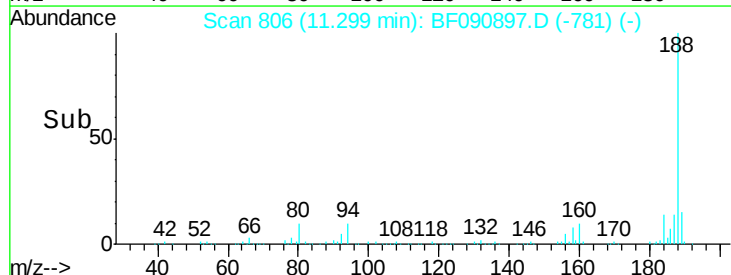
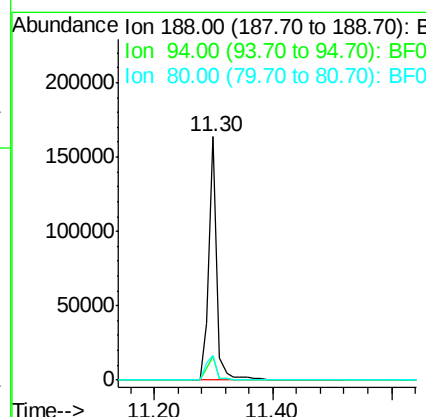
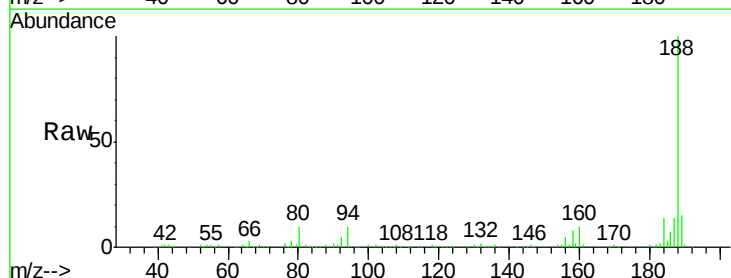
RT: 11.30 min Scan# 806

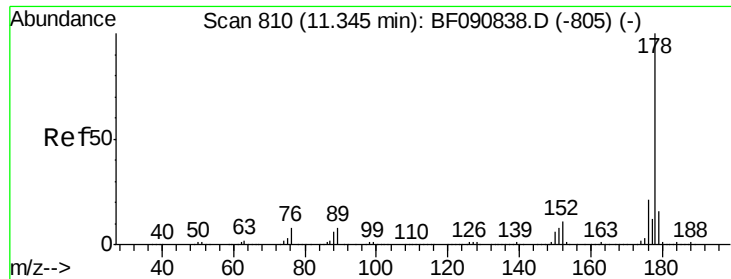
Delta R.T. -0.01 min

Lab File: BF090897.D

Acq: 28 Oct 2016 5:13

Tgt Ion:	188	Resp:	160672
Ion Ratio	Lower	Upper	
188	100		
94	9.6	11.1	16.7#
80	10.3	11.0	16.4#





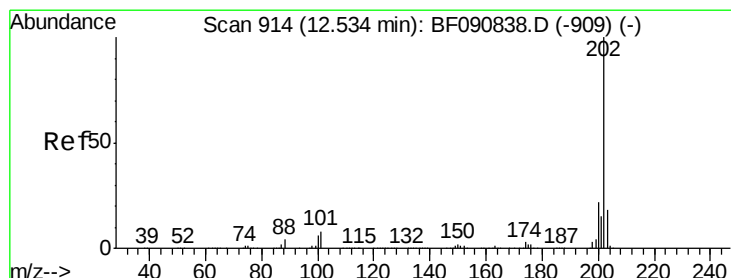
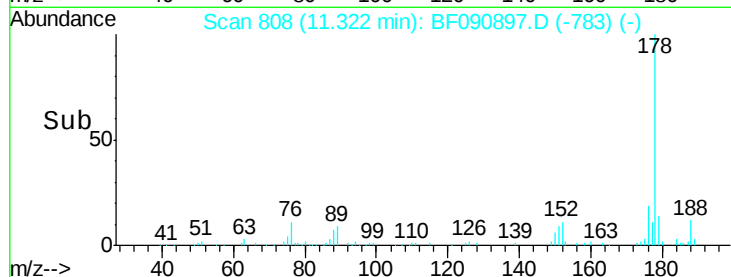
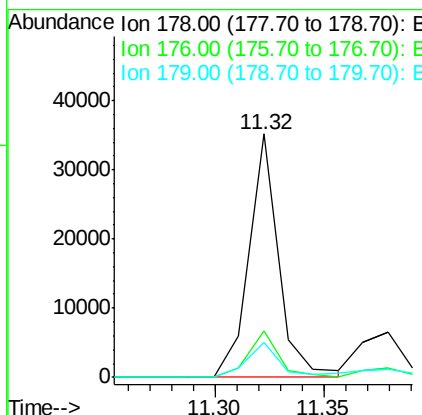
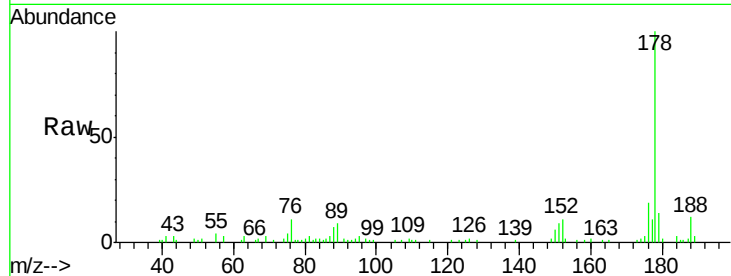
#70
Phenanthrene
Concen: 4.09 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF090897.D
Acq: 28 Oct 2016 5:13

Instrument :
BNA_F
ClientSampleId :
SB-4COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	13.8	20.8
179	14.5	12.2	18.2

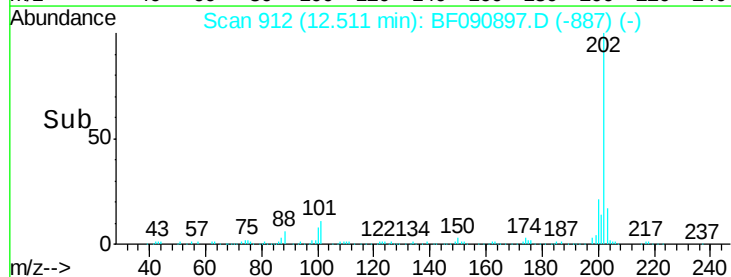
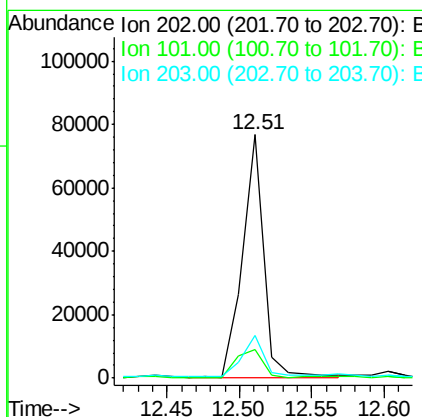
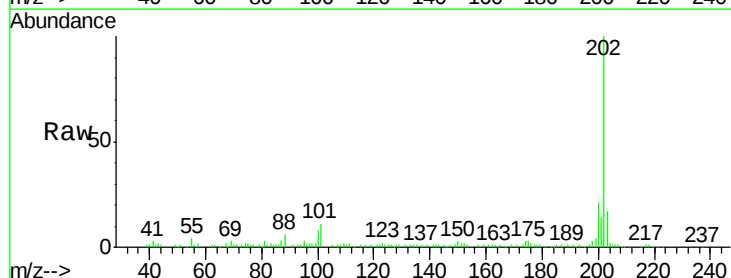
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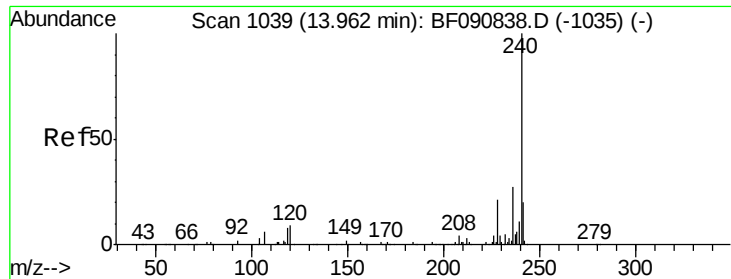
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#74
Fluoranthene
Concen: 8.61 ng
RT: 12.51 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF090897.D
Acq: 28 Oct 2016 5:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	38.3
203	17.5	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF090897.D

Acq: 28 Oct 2016 5:13

Instrument :

BNA_F

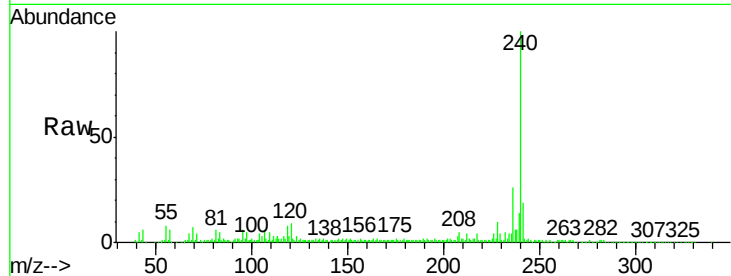
ClientSampleId :

SB-4COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.4	16.2	24.2#
236	26.5	18.4	27.6

Manual Integrations
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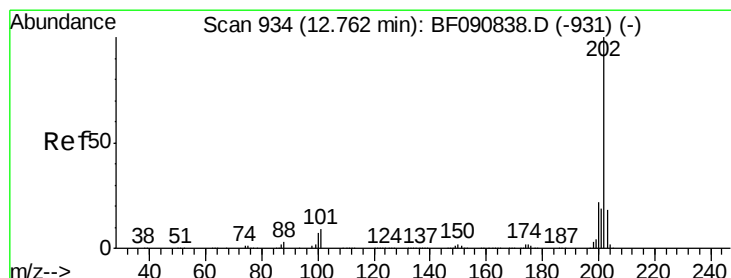
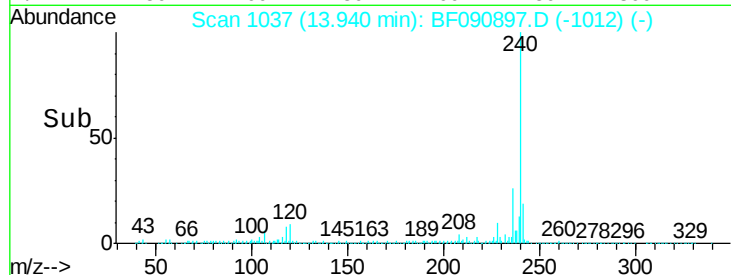
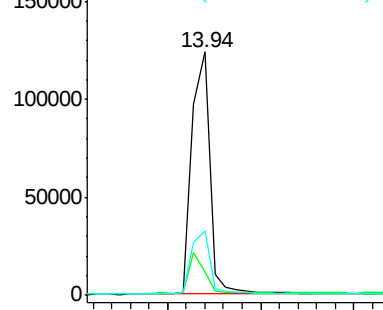
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 9.35 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF090897.D

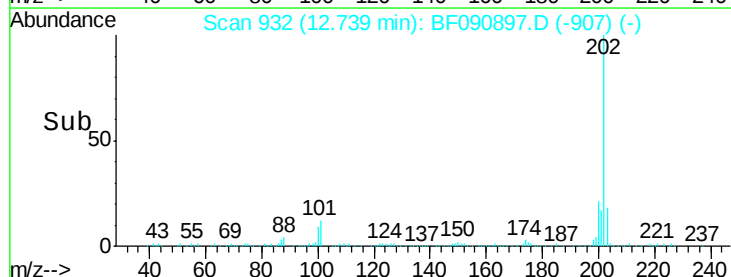
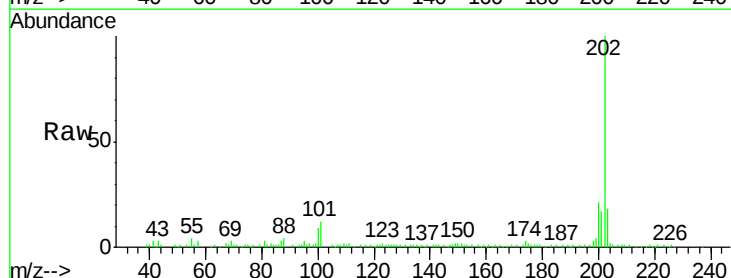
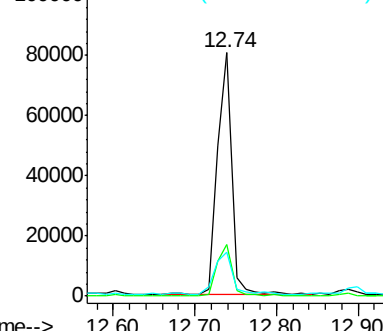
Acq: 28 Oct 2016 5:13

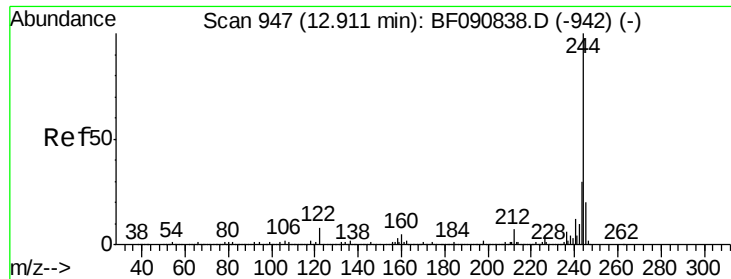
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	15.0	22.4
203	18.1	14.1	21.1

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





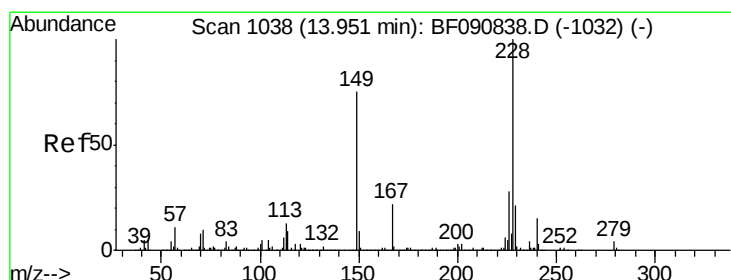
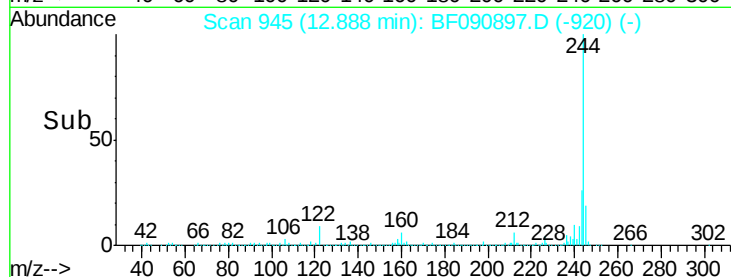
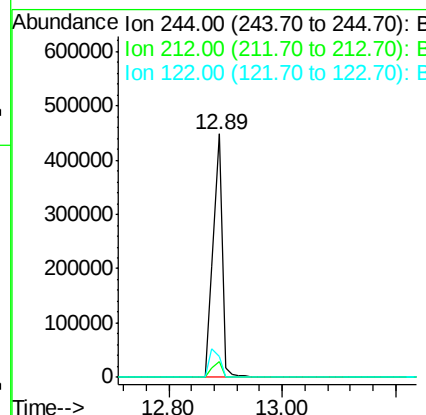
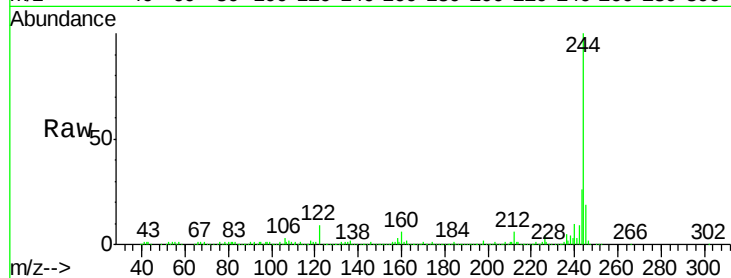
#78
 Terphenyl-d14
 Concen: 72.23 ng
 RT: 12.89 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: BF090897.D
 Acq: 28 Oct 2016 5:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-4COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	4.3	6.5
122	8.8	17.4	26.2

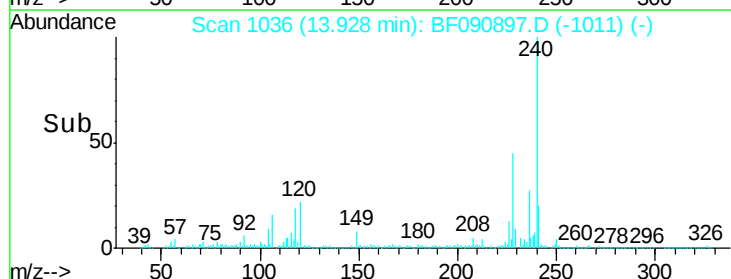
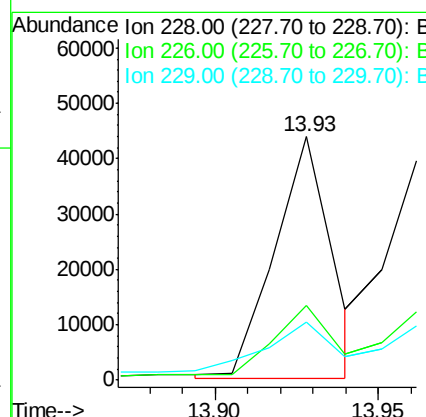
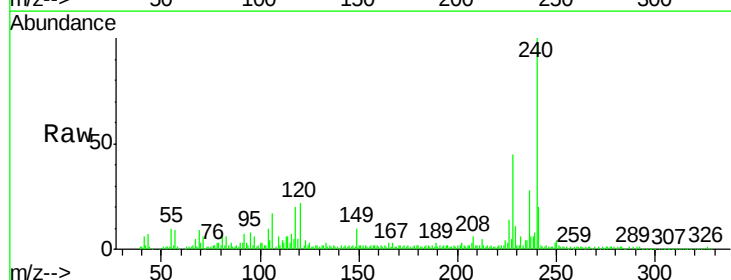
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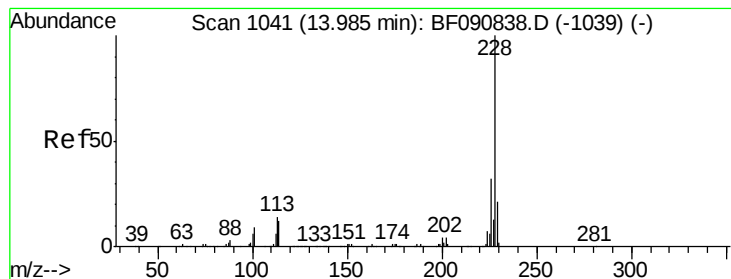
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#80
 Benzo(a)anthracene
 Concen: 5.96 ng m
 RT: 13.93 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: BF090897.D
 Acq: 28 Oct 2016 5:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	20.0	30.0
229	23.6	15.4	23.2





#82

Chrysene

Concen: 5.52 ng/mL

RT: 13.96 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF090897.D

Acq: 28 Oct 2016 5:13

Instrument :

BNA_F

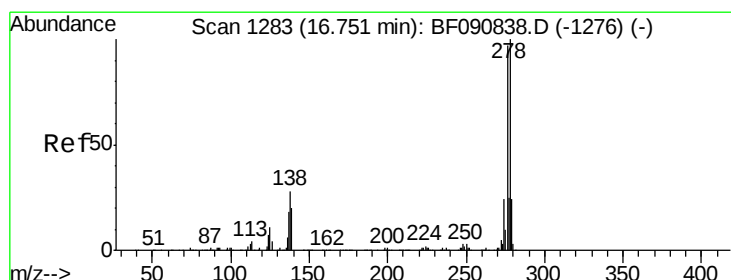
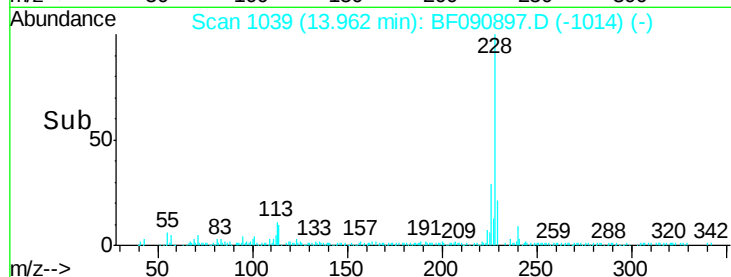
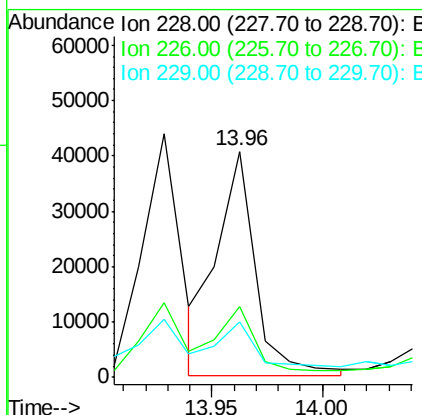
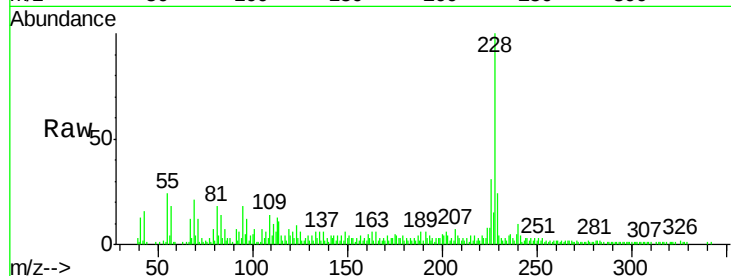
ClientSampleId :

SB-4COMP(0-16FEET)

Tot Ion:	228	Resp:	49379
Ion Ratio	Lower	Upper	
228	100		
226	31.3	21.0	31.4
229	24.3	15.6	23.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.23 ng/mL

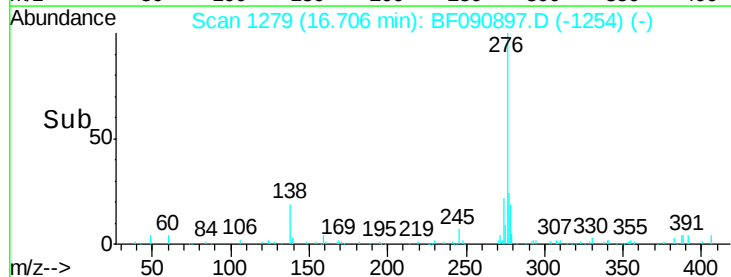
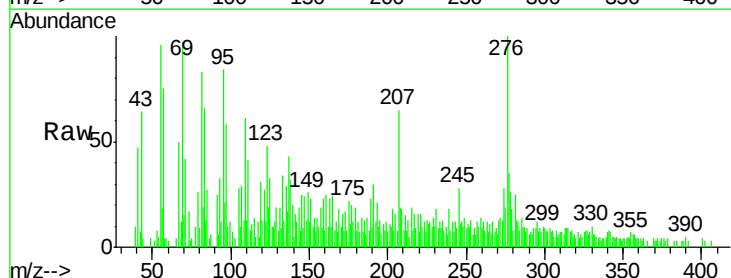
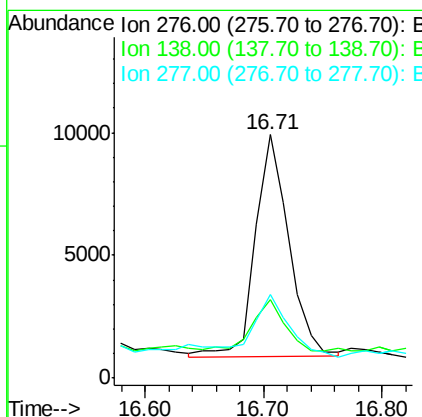
RT: 16.71 min Scan# 1279

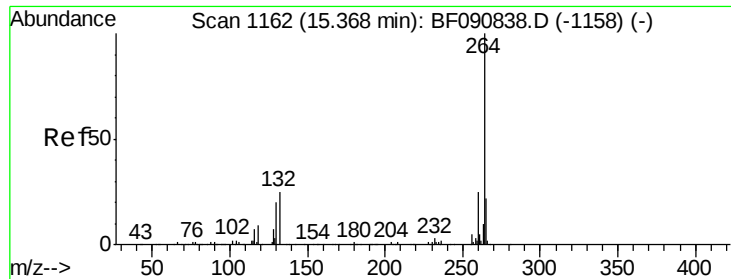
Delta R.T. -0.01 min

Lab File: BF090897.D

Acq: 28 Oct 2016 5:13

Tgt Ion:	276	Resp:	17672
Ion Ratio	Lower	Upper	
276	100		
138	23.4	25.7	38.5
277	30.7	15.6	23.4





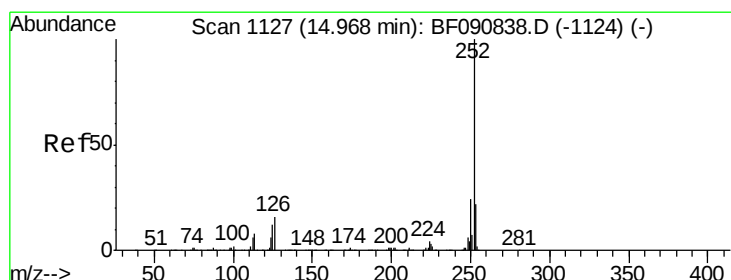
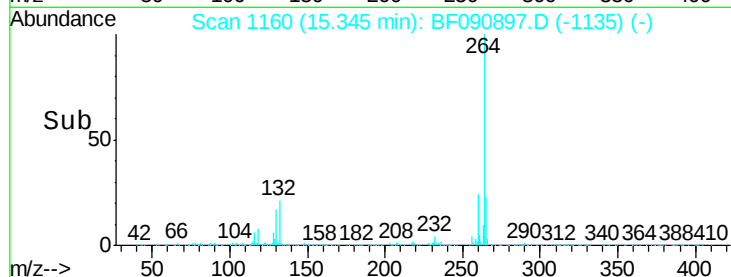
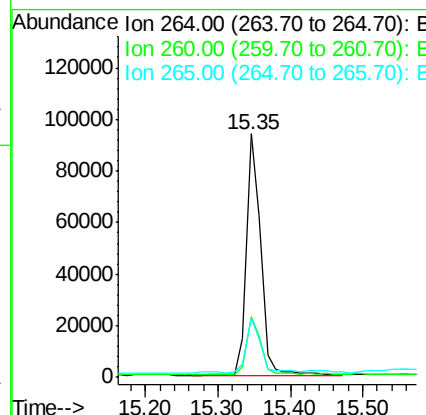
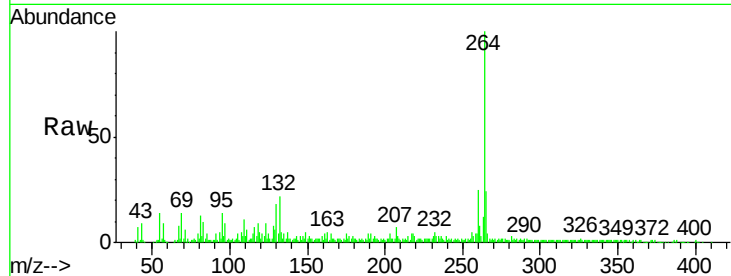
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF090897.D
Acq: 28 Oct 2016 5:13

Instrument :
BNA_F
ClientSampleId :
SB-4COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	16.7	25.1
265	24.3	17.2	25.8

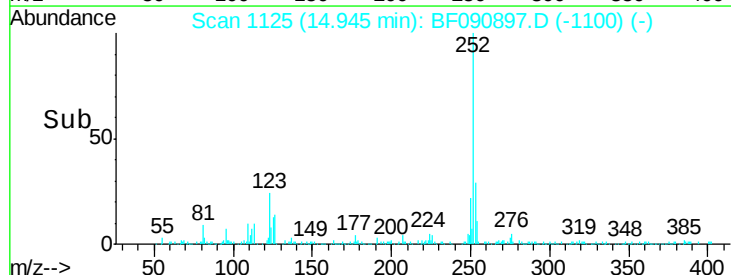
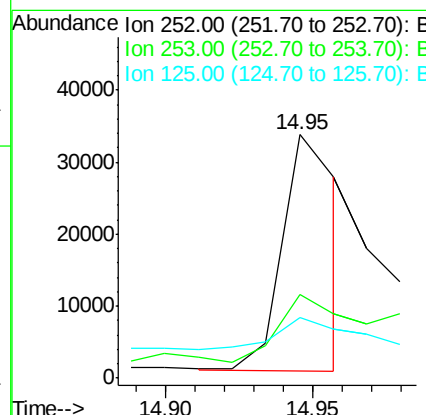
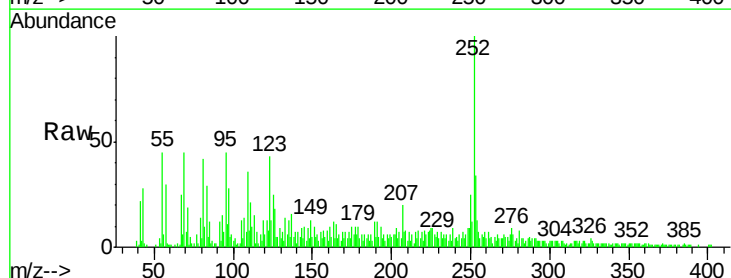
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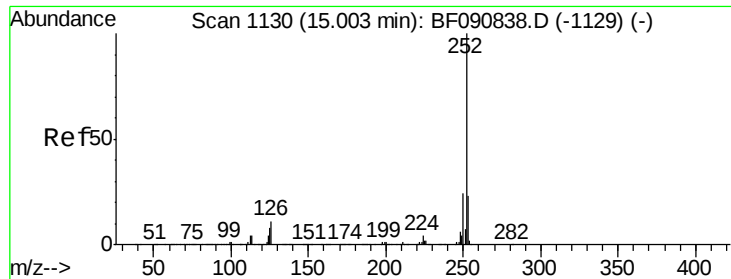
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#87
Benzo(b)fluoranthene
Concen: 5.10 ng m
RT: 14.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF090897.D
Acq: 28 Oct 2016 5:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.3	17.5	26.3#
125	24.7	17.1	25.7





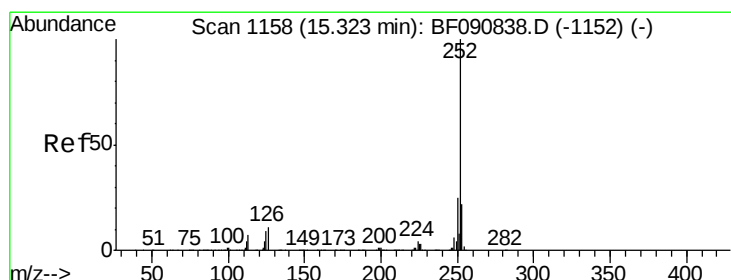
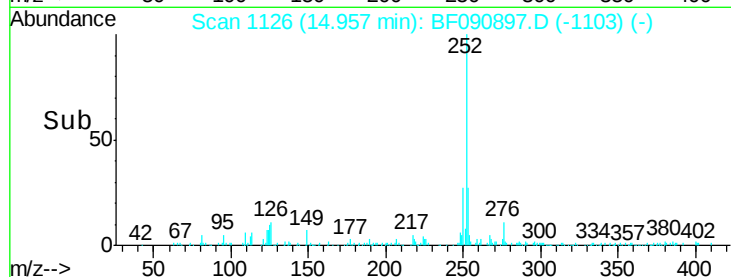
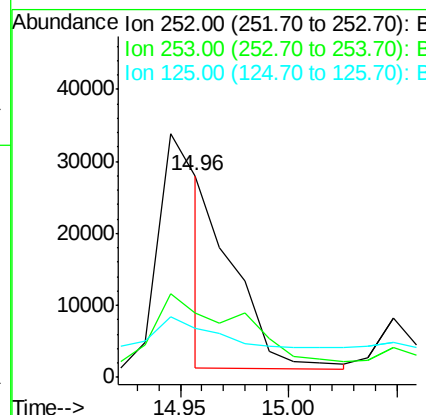
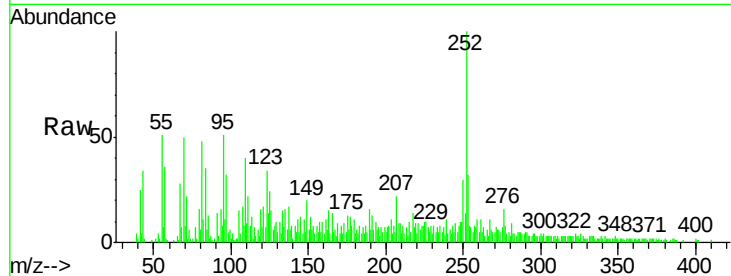
#88
Benzo(k)fluoranthene
Concen: 3.39 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.03 min
Lab File: BF090897.D
Acq: 28 Oct 2016 5:13

Instrument :
BNA_F
ClientSampleId :
SB-4COMP(0-16FEET)

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.2	17.0	25.4#
125	24.2	16.0	24.0#

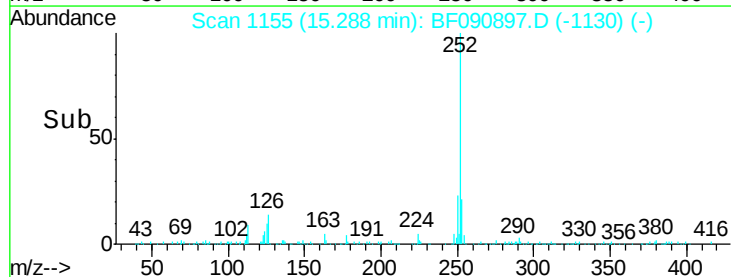
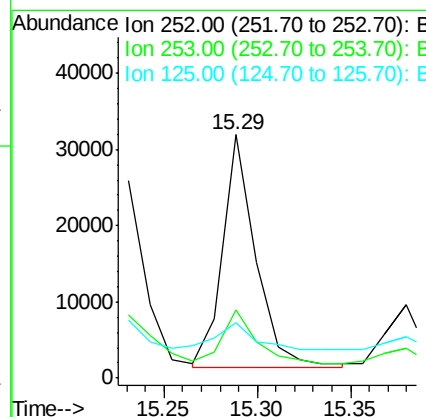
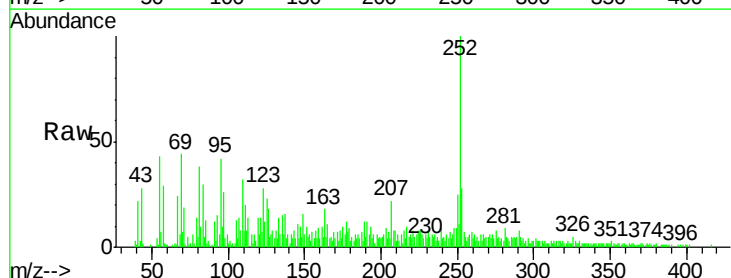
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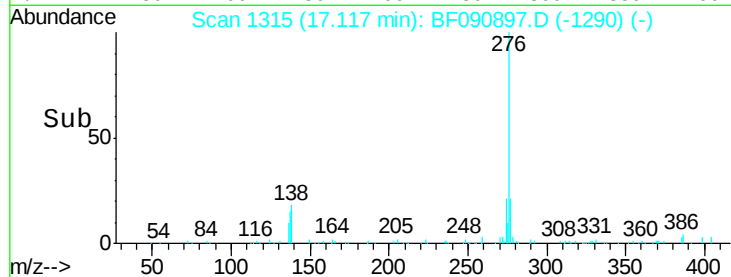
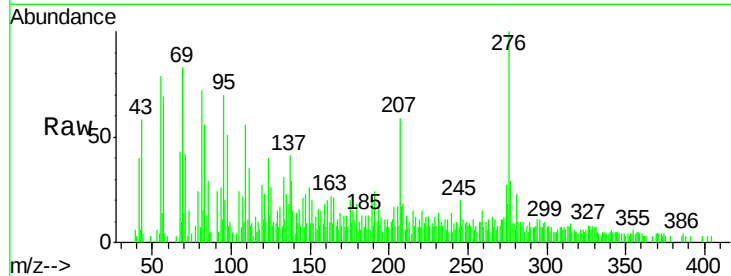
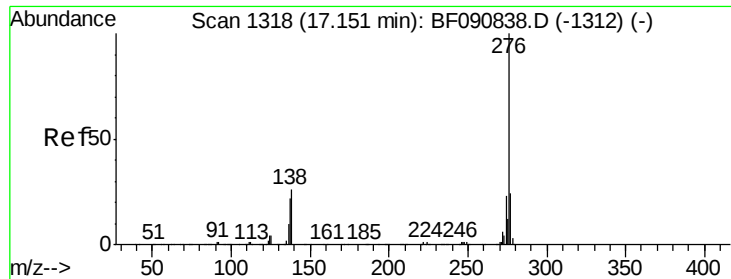
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#89
Benzo(a)pyrene
Concen: 5.15 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF090897.D
Acq: 28 Oct 2016 5:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.2	25.8#
125	22.7	18.0	27.0





#91
 Benzo(a,h,i)perylene
 Concen: 3.29 ng
 RT: 17.12 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF090897.D
 Acq: 28 Oct 2016 5:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-4COMP(0-16FEET)

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	29.0	17.8	26.6#
138	28.7	34.6	51.8#

Manual Integrations
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