

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
 Data File : BF090927.D
 Acq On : 31 Oct 2016 14:49
 Operator : UM/SJ
 Sample : H5423-05RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3COMP(0-16FEET)RE

Manual Integrations
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Quant Time: Nov 01 14:51:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	156875	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	664234	20.00	ng	-0.01
38) Acenaphthene-d10	9.79	164	324454	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	465460	20.00	ng	0.00
75) Chrysene-d12	13.91	240	350182	20.00	ng	0.00
86) Perylene-d12	15.31	264	406116	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1638871	182.66	ng	0.02
7) Phenol-d6	6.40	99	1742066	143.91	ng	0.00
23) Nitrobenzene-d5	7.32	82	1122128	110.59	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	514191	154.21	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	1794922	97.14	ng	0.00
78) Terphenyl-d14	12.85	244	1150927	82.80	ng	0.00
Target Compounds						
10) Phenol	6.41	94	112066	8.40	ng	Qvalue # 37
20) 3+4-Methylphenols	7.17	107	261009	26.78	ng	88
31) Naphthalene	8.05	128	140649	4.53	ng	99
49) Dimethylphthalate	9.52	163	694940	32.06	ng	# 97
51) Acenaphthene	9.81	154	78807	4.25	ng	90
57) Fluorene	10.33	166	64567	3.29	ng	92
70) Phenanthrene	11.29	178	500304	21.11	ng	97
71) Anthracene	11.34	178	136062	5.45	ng	98
72) Carbazole	11.50	167	48303	2.19	ng	# 94
74) Fluoranthene	12.48	202	593982	22.88	ng	98
77) Pyrene	12.70	202	588864	26.57	ng	96
80) Benzo(a)anthracene	13.89	228	299471m	16.11	ng	
82) Chrysene	13.93	228	276806m	14.73	ng	
85) Indeno(1,2,3-cd)pyrene	16.64	276	189325	11.37	ng	# 83
87) Benzo(b)fluoranthene	14.91	252	355386m	13.01	ng	
88) Benzo(k)fluoranthene	14.92	252	145138m	6.73	ng	
89) Benzo(a)pyrene	15.24	252	303155m	12.92	ng	
90) Dibenzo(a,h)anthracene	16.65	278	45224	2.28	ng	# 78
91) Benzo(g,h,i)perylene	17.05	276	165565	8.85	ng	# 80

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

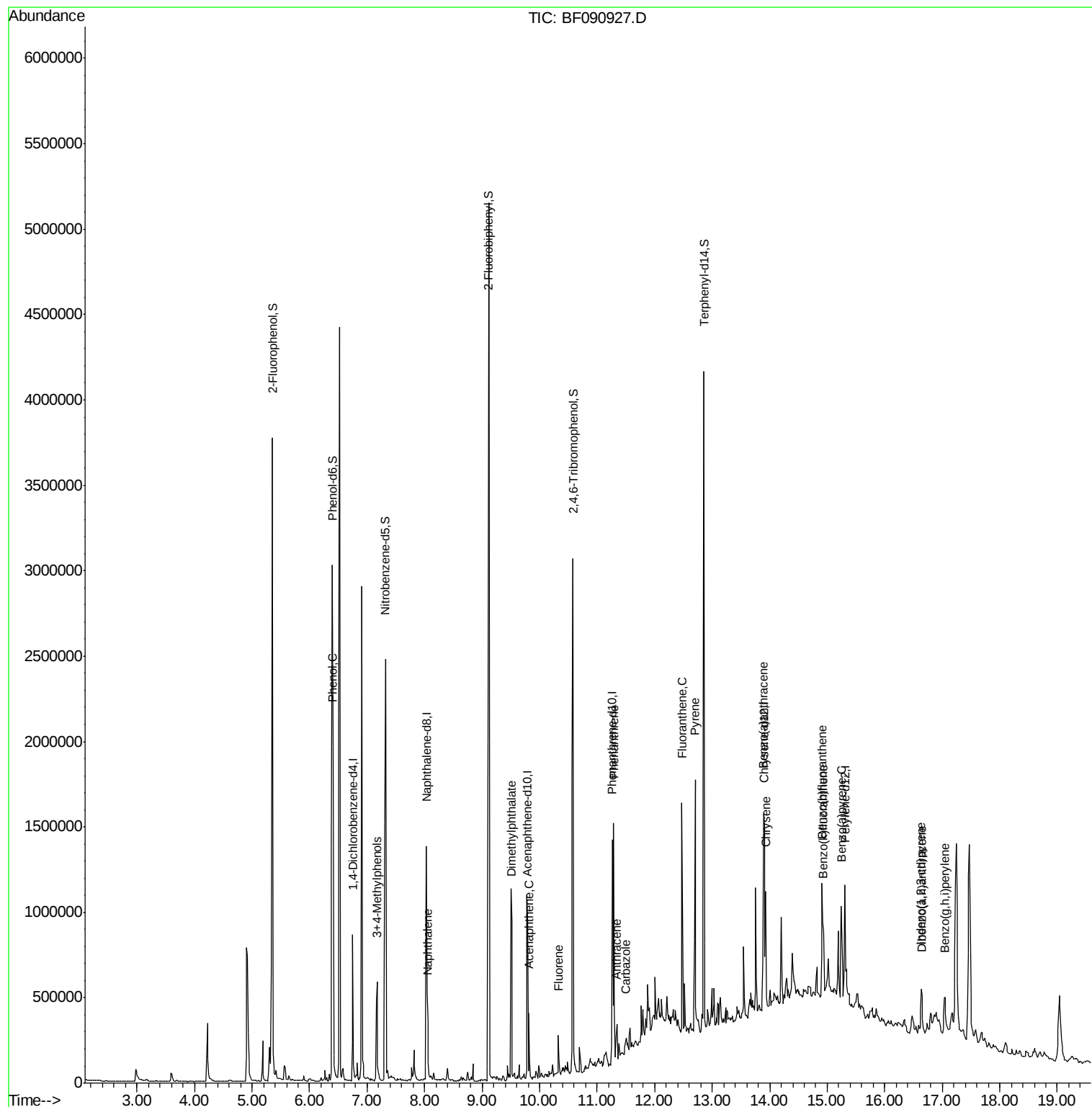
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
Data File : BF090927.D
Acq On : 31 Oct 2016 14:49
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ALS Vial : 7 Sample Multiplier: 1

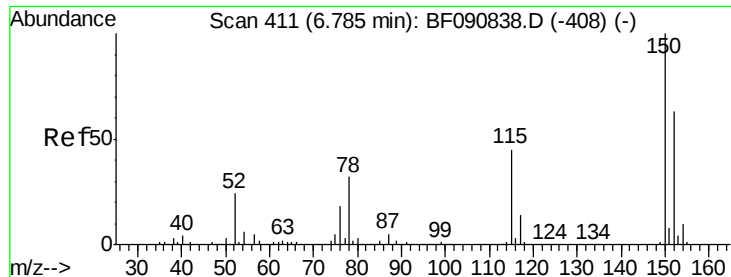
Instrument :
BNA_F
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SB-3COMP(0-16FEET)RE

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Quant Time: Nov 01 14:51:38 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
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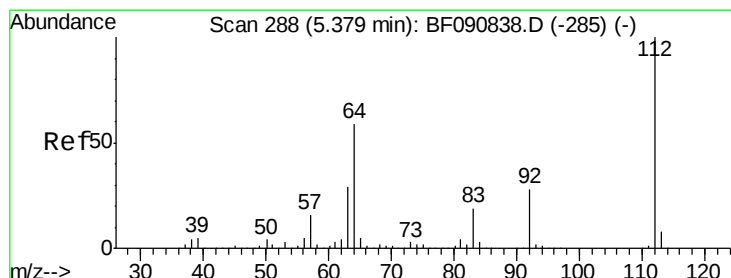
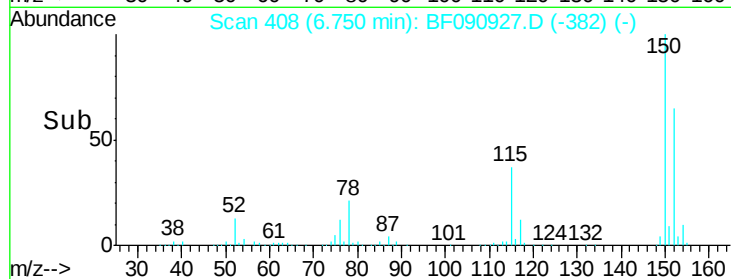
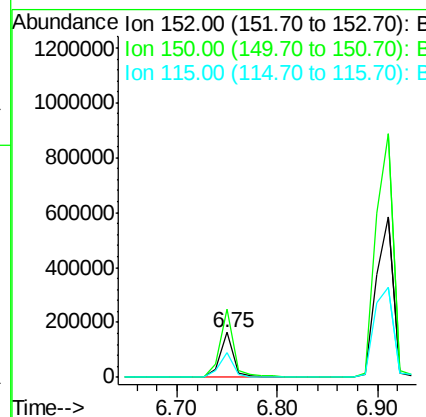
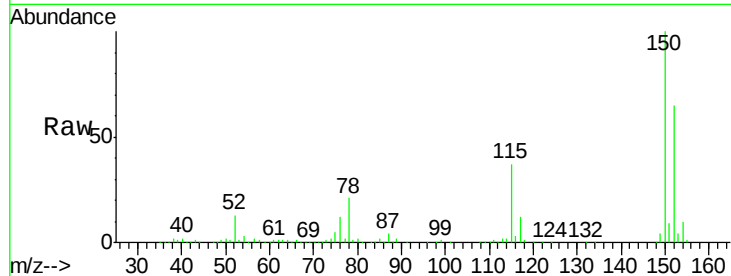
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.75 min Scan# 408
 Delta R.T. -0.00 min
 Lab File: BF090927.D
 Acq: 31 Oct 2016 14:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-3COMP(0-16FEET)RE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.7	187.1
115	56.3	39.0	58.4

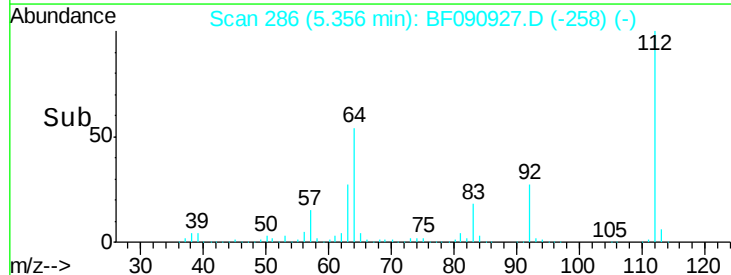
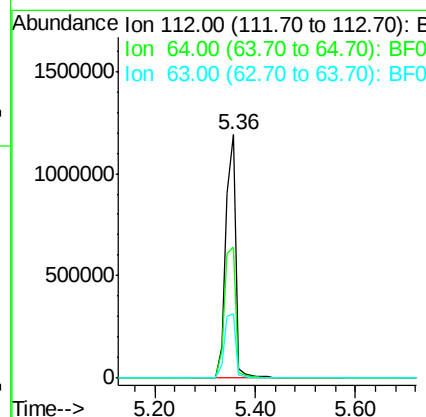
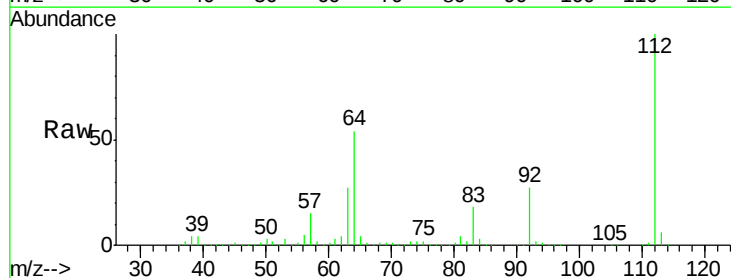
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#5
 2-Fluorophenol
 Concen: 182.66 ng
 RT: 5.36 min Scan# 286
 Delta R.T. 0.02 min
 Lab File: BF090927.D
 Acq: 31 Oct 2016 14:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	39.7	59.5
63	26.7	17.4	26.0





#7

Phenol-d6

Concen: 143.91 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.00 min

Lab File: BF090927.D

Acq: 31 Oct 2016 14:49

Instrument :

BNA_F

ClientSampleId :

SB-3COMP(0-16FEET)RE

Tgt Ion: 99 Resp: 1742066

Ion Ratio Lower Upper

99 100

42 14.5 13.7 20.5

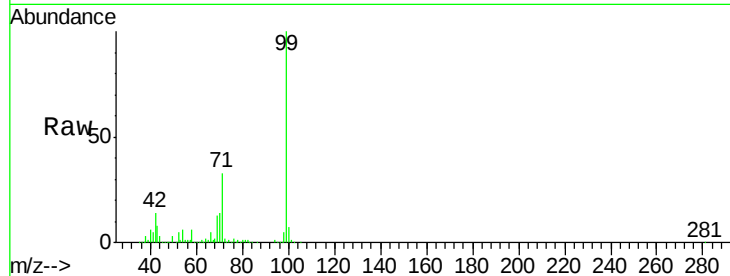
71 32.9 14.2 21.2#

Manual Integrations

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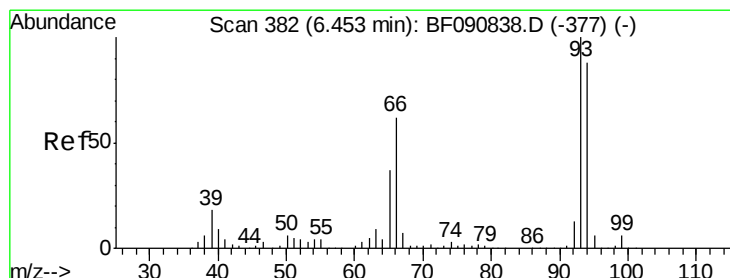
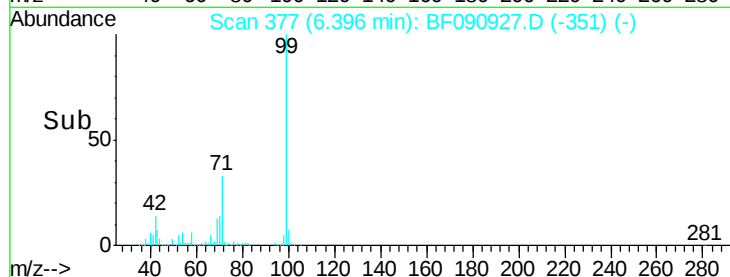
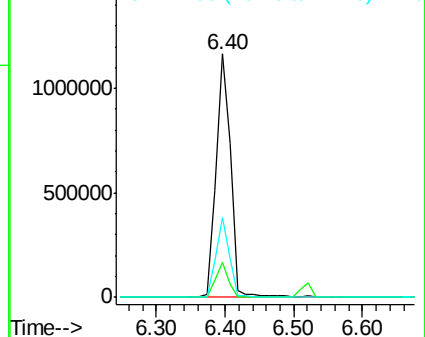
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 8.40 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF090927.D

Acq: 31 Oct 2016 14:49

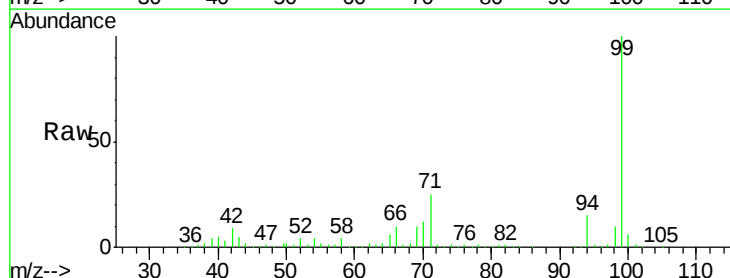
Tgt Ion: 94 Resp: 112066

Ion Ratio Lower Upper

94 100

65 36.9 0.7 40.7

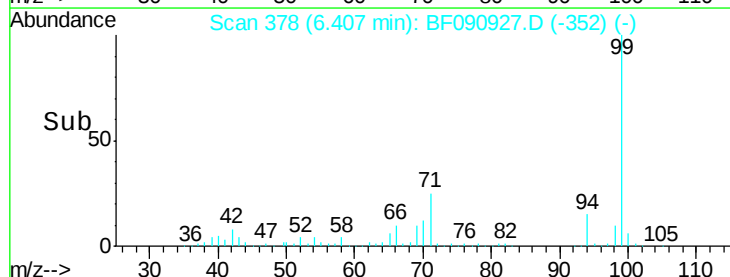
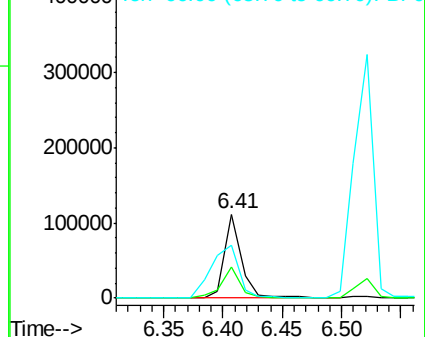
66 62.9 0.8 40.8#

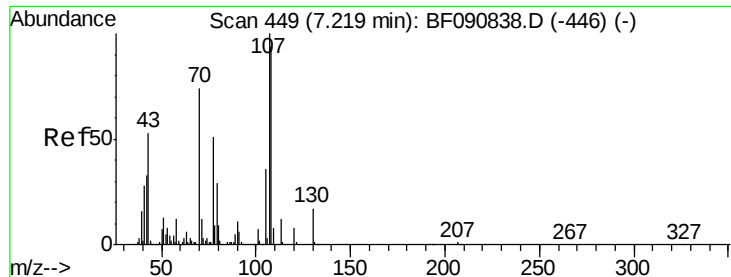


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





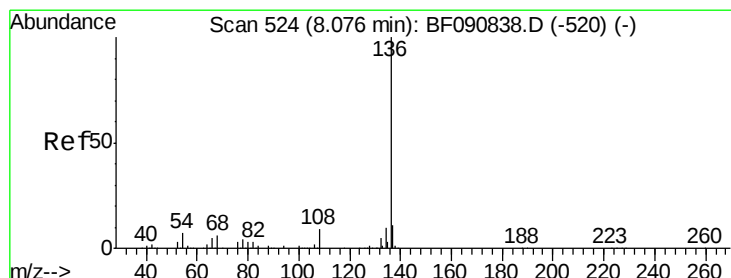
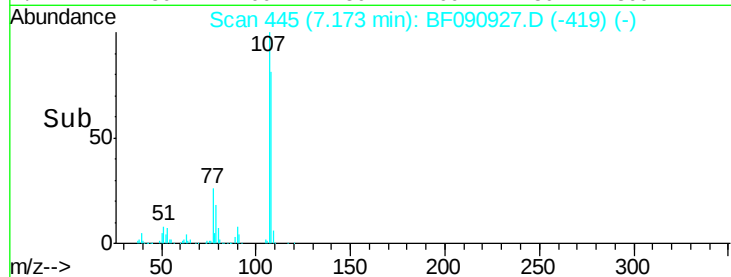
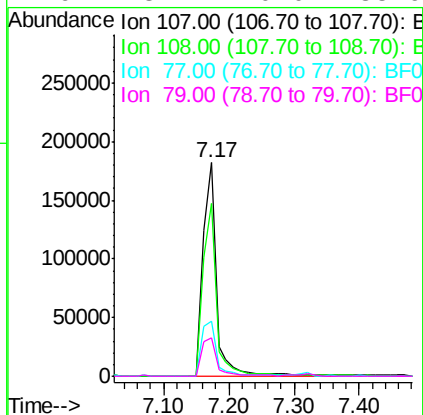
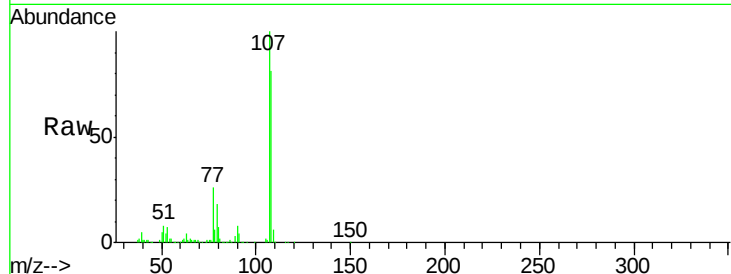
#20
 3+4-Methylphenols
 Concen: 26.78 ng
 RT: 7.17 min Scan# 445
 Delta R.T. -0.00 min
 Lab File: BF090927.D
 Acq: 31 Oct 2016 14:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-3COMP(0-16FEET)RE

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	261009		
108	80.9		74.6	114.6
77	26.0		0.7	40.7
79	18.2		0.0	38.9

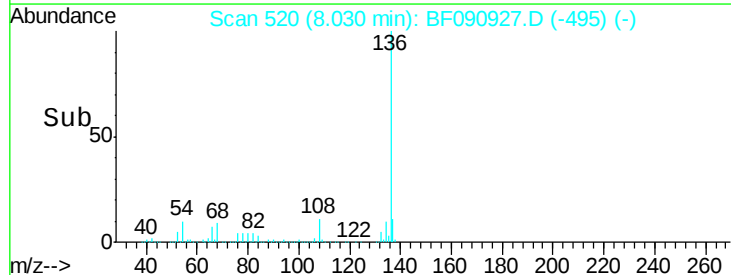
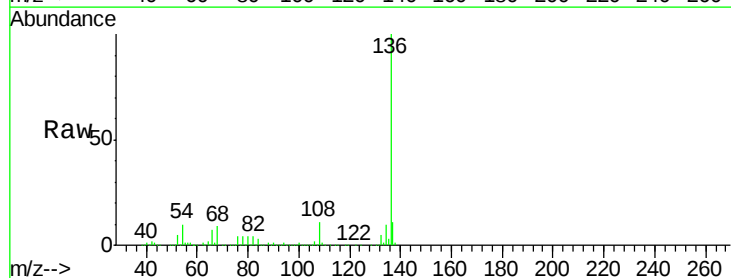
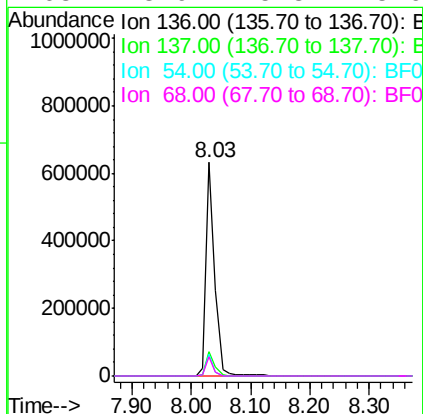
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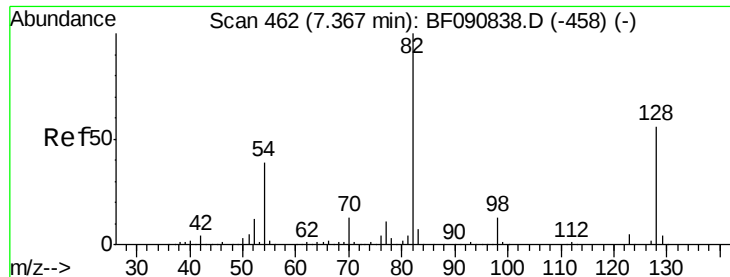
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#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.03 min Scan# 520
 Delta R.T. -0.01 min
 Lab File: BF090927.D
 Acq: 31 Oct 2016 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	664234		
137	11.4		9.0	13.6
54	10.1		8.2	12.2
68	8.9		5.8	8.6#





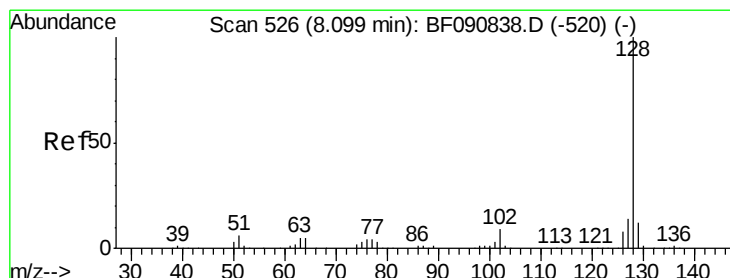
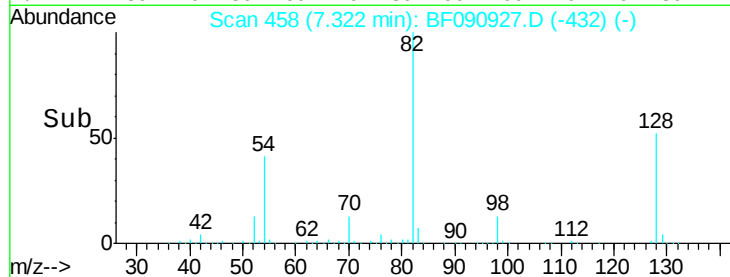
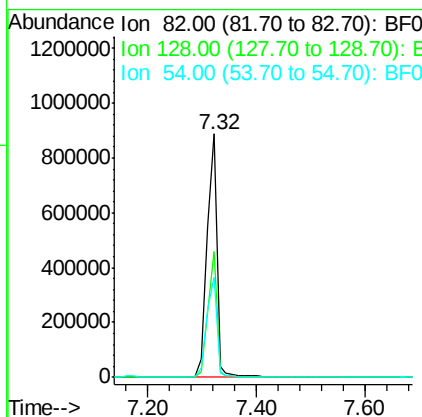
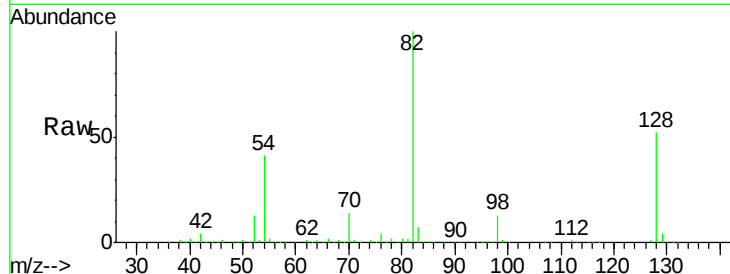
#23
Nitrobenzene-d5
Concen: 110.59 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.00 min
Lab File: BF090927.D
Acq: 31 Oct 2016 14:49

Instrument :
BNA_F
ClientSampleId :
SB-3COMP(0-16FEET)RE

Tgt Ion: 82 Resp: 1122128
Ion Ratio Lower Upper
82 100
128 51.6 51.0 76.6
54 41.2 47.5 71.3#

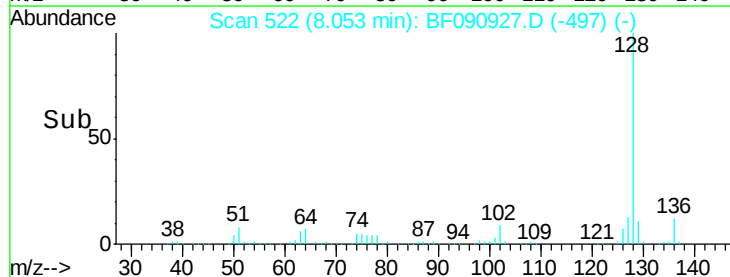
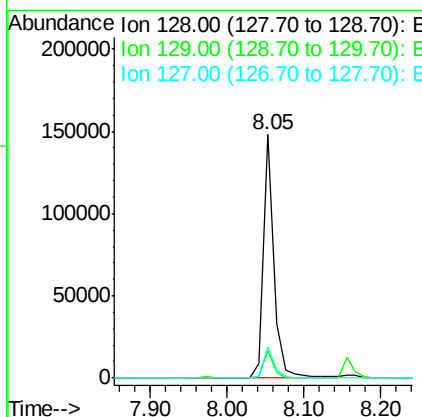
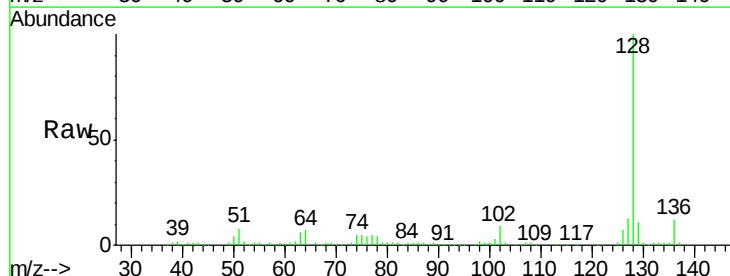
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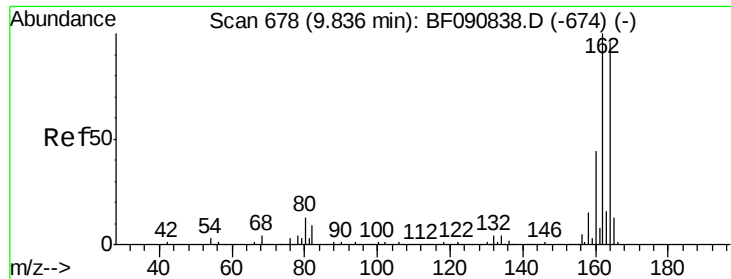
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#31
Naphthalene
Concen: 4.53 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF090927.D
Acq: 31 Oct 2016 14:49

Tgt Ion: 128 Resp: 140649
Ion Ratio Lower Upper
128 100
129 11.0 8.4 12.6
127 13.0 9.9 14.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.00 min

Lab File: BF090927.D

Acq: 31 Oct 2016 14:49

Instrument :

BNA_F

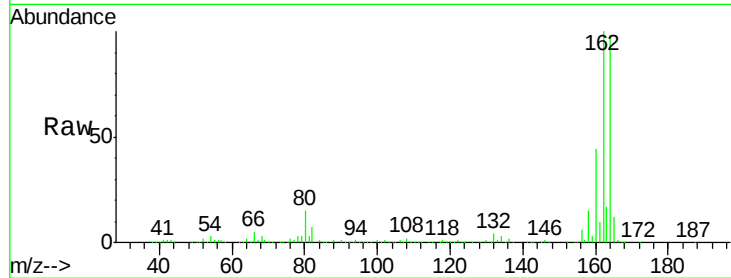
ClientSampleId :

SB-3COMP(0-16FEET)RE

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	75.2	112.8
160	45.1	31.5	47.3

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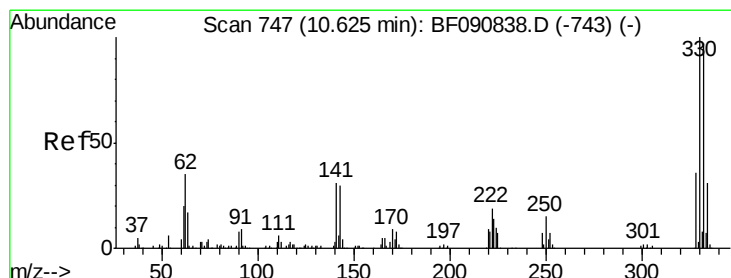
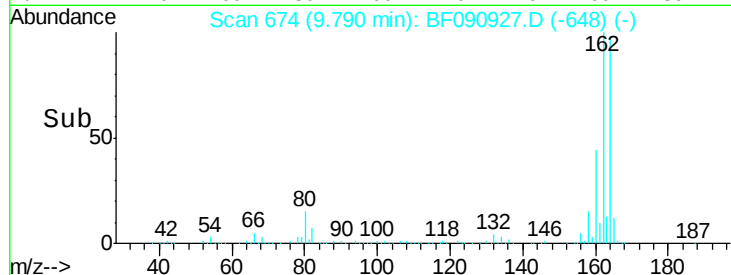
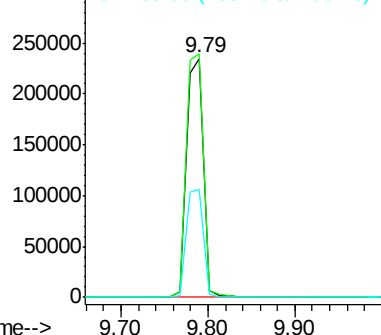
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 154.21 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF090927.D

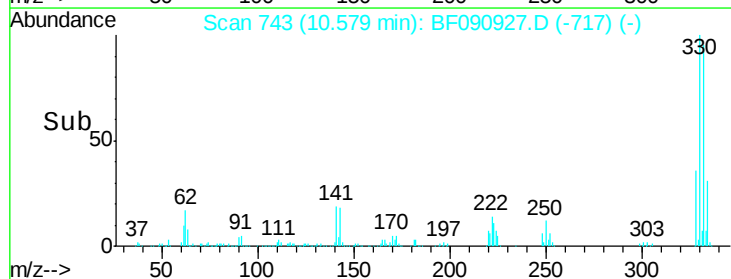
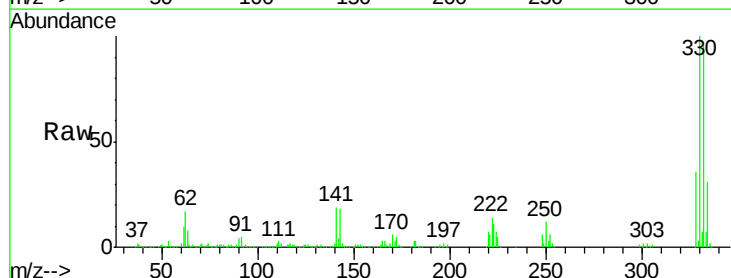
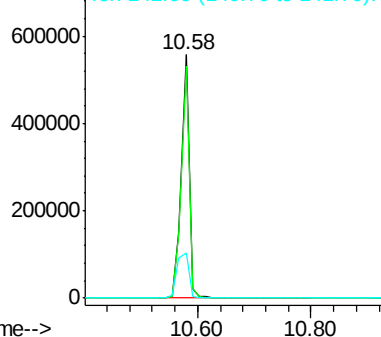
Acq: 31 Oct 2016 14:49

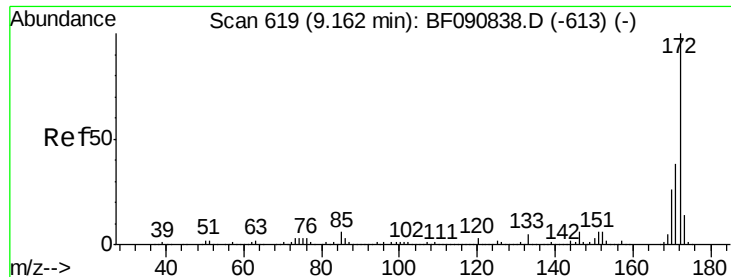
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	114.8
141	28.2	29.7	44.5#

Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





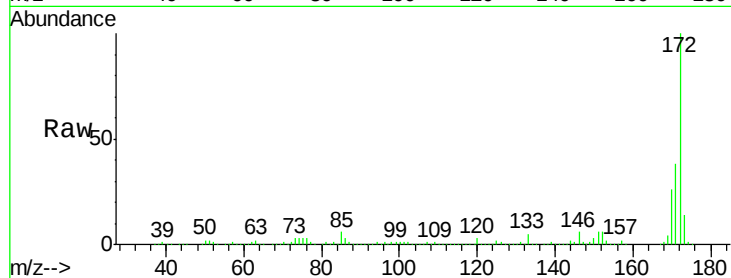
#44
2-Fluorobiphenyl
Concen: 97.14 ng
RT: 9.12 min Scan# 615
Delta R.T. -0.00 min
Lab File: BF090927.D
Acq: 31 Oct 2016 14:49

Instrument :
BNA_F
ClientSampleId :
SB-3COMP(0-16FEET)RE

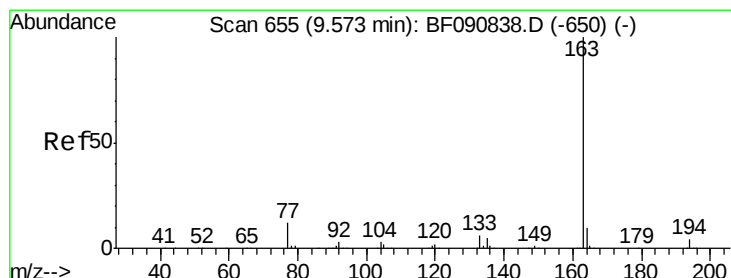
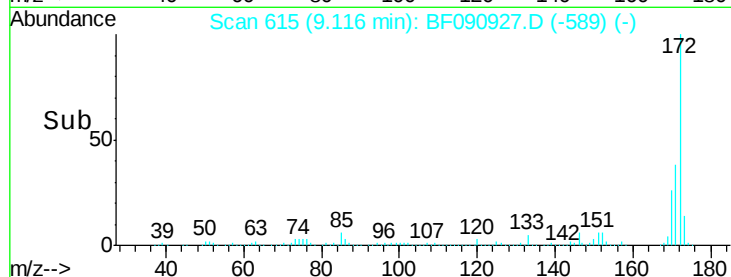
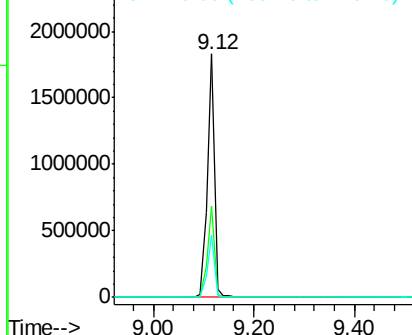
Tgt Ion:172 Resp: 1794922
Ion Ratio Lower Upper
172 100
171 37.6 26.1 39.1
170 25.5 17.4 26.2

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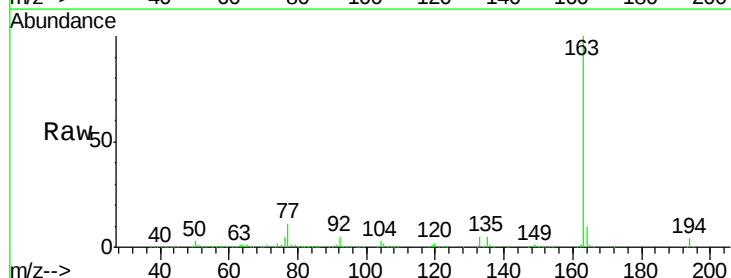


Abundance Ion 172.00 (171.70 to 172.70): E
2500000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

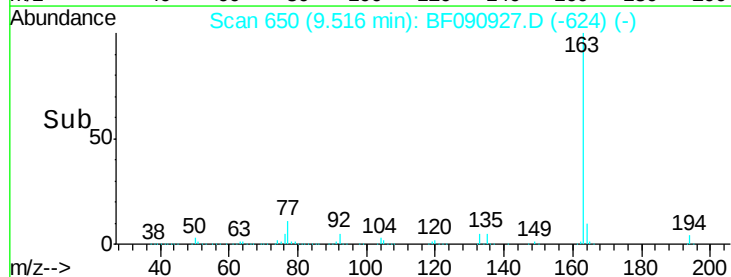
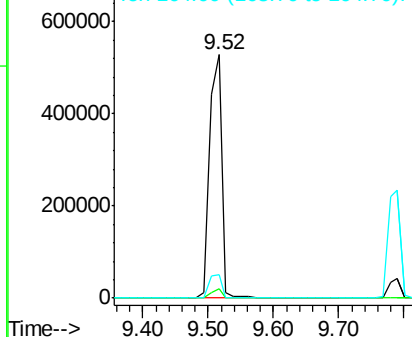


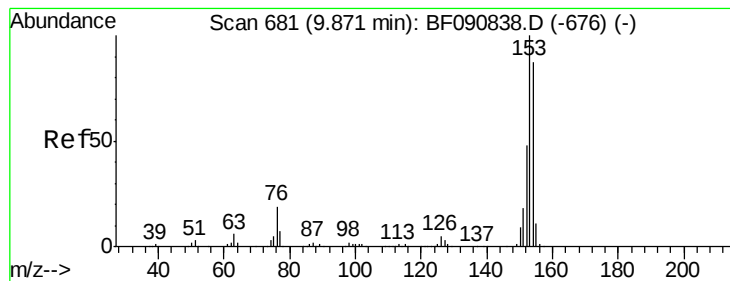
#49
Dimethylphthalate
Concen: 32.06 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF090927.D
Acq: 31 Oct 2016 14:49

Tgt Ion:163 Resp: 694940
Ion Ratio Lower Upper
163 100
194 4.0 4.4 6.6#
164 9.7 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
600000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 4.25 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF090927.D

Acq: 31 Oct 2016 14:49

Instrument :

BNA_F

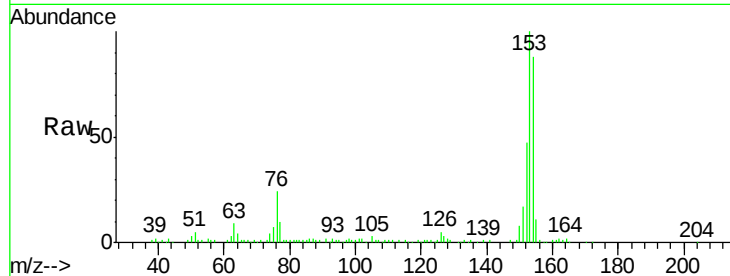
ClientSampleId :

SB-3COMP(0-16FEET)RE

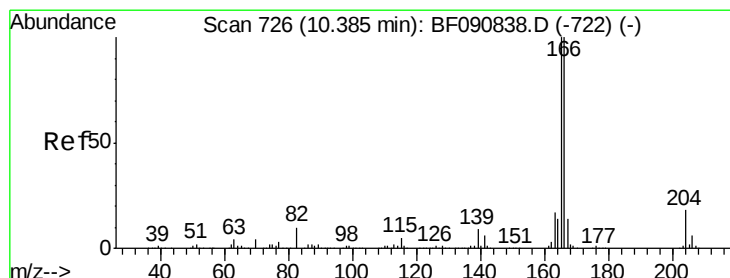
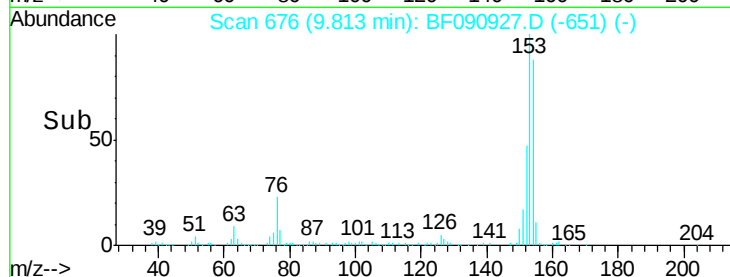
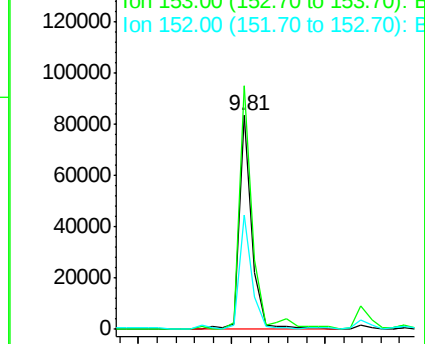
Tgt Ion:	154	Resp:	78807
Ion Ratio	Lower	Upper	
154	100		
153	113.8	82.1	123.1
152	53.3	37.9	56.9

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.29 ng

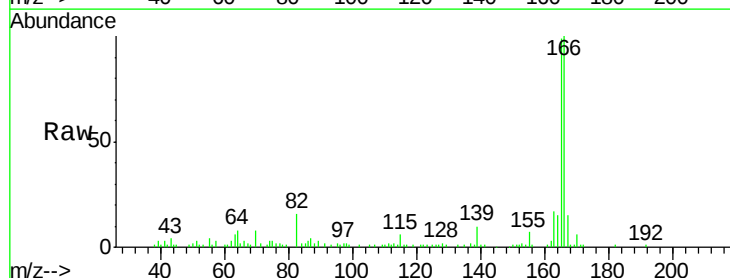
RT: 10.33 min Scan# 721

Delta R.T. -0.01 min

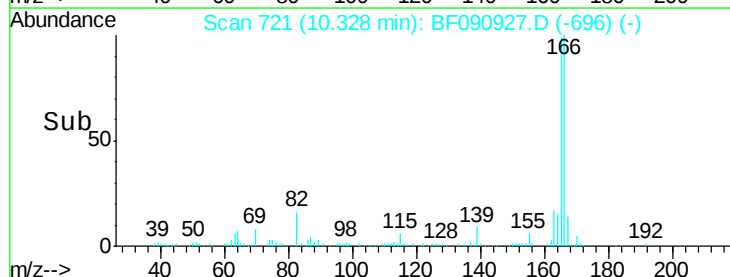
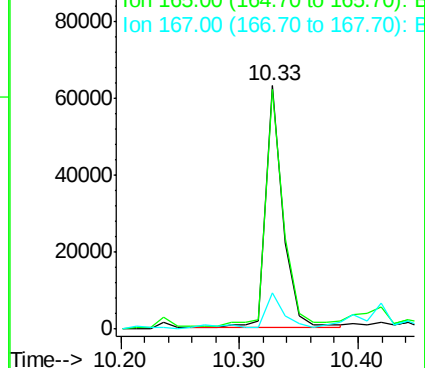
Lab File: BF090927.D

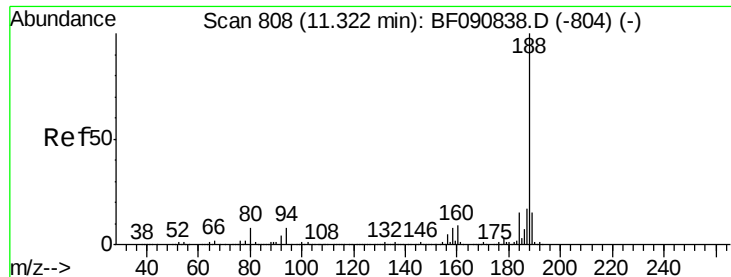
Acq: 31 Oct 2016 14:49

Tgt Ion:	166	Resp:	64567
Ion Ratio	Lower	Upper	
166	100		
165	98.6	72.6	109.0
167	14.9	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





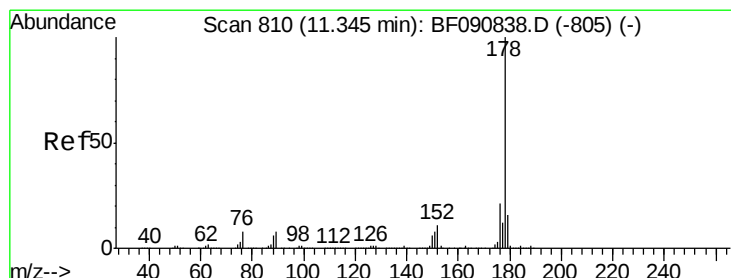
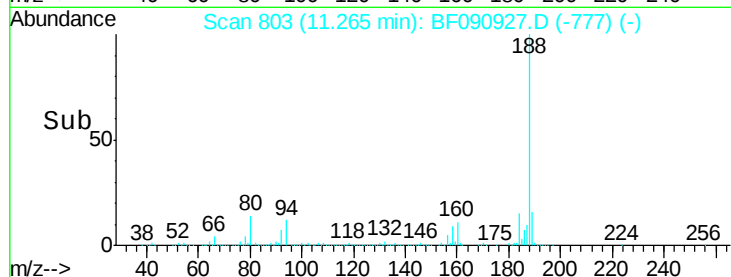
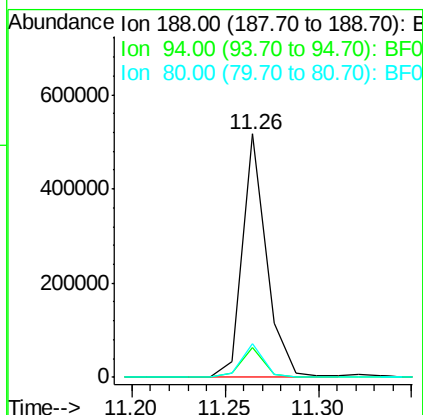
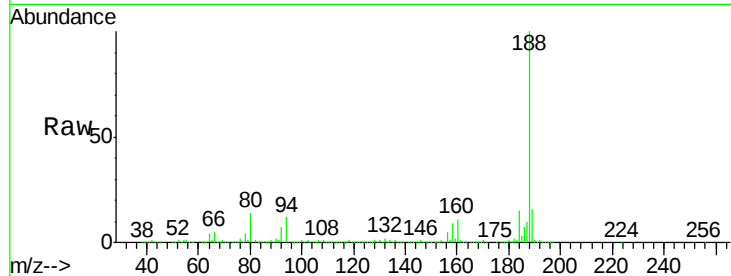
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF090927.D
Acq: 31 Oct 2016 14:49

Instrument :
BNA_F
ClientSampleId :
SB-3COMP(0-16FEET)RE

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	465460		
94	12.3		11.1	16.7
80	13.8		11.0	16.4

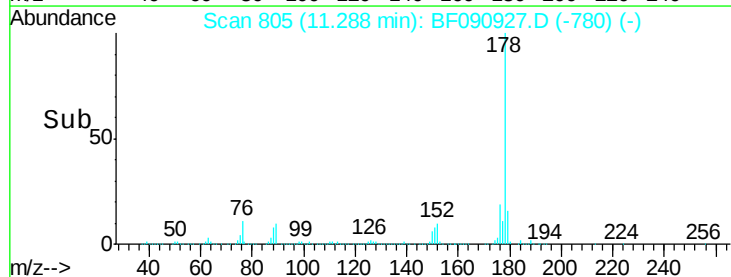
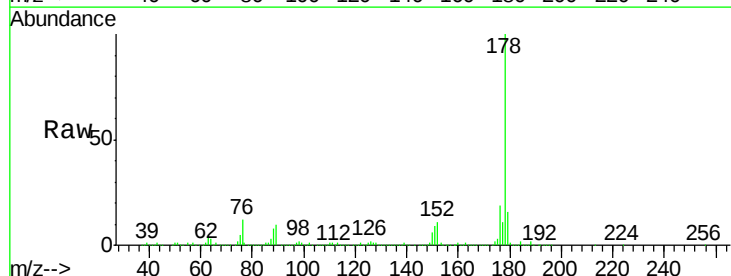
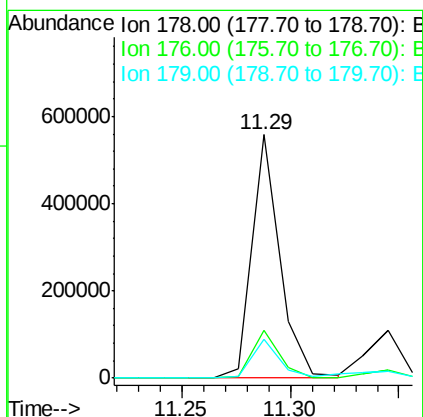
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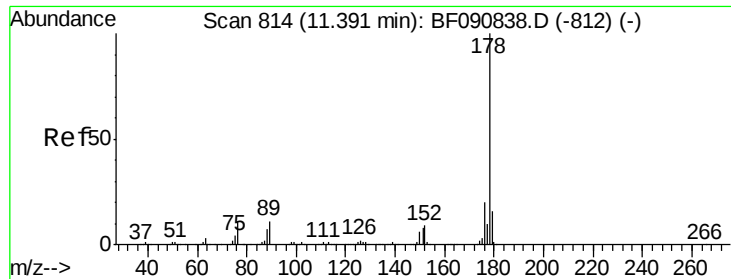
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#70
Phenanthrene
Concen: 21.11 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF090927.D
Acq: 31 Oct 2016 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	500304		
176	19.5		13.8	20.8
179	15.7		12.2	18.2





#71

Anthracene

Concen: 5.45 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF090927.D

Acq: 31 Oct 2016 14:49

Instrument :

BNA_F

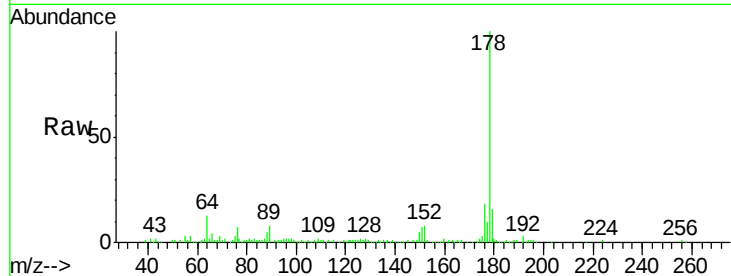
ClientSampleId :

SB-3COMP(0-16FEET)RE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.1	21.1
179	15.7	12.2	18.2

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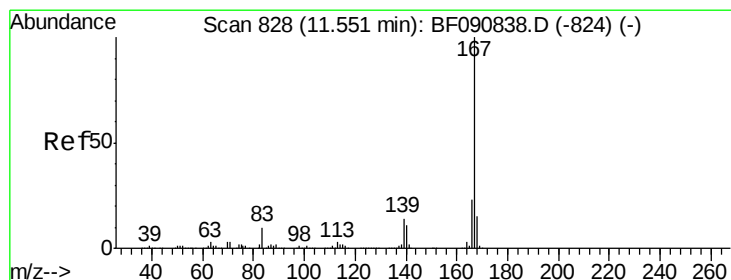
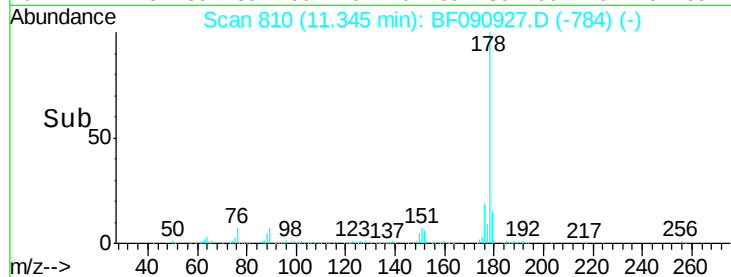
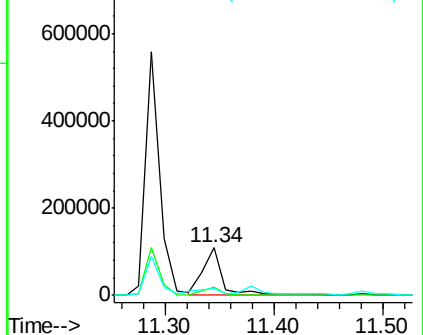
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 2.19 ng

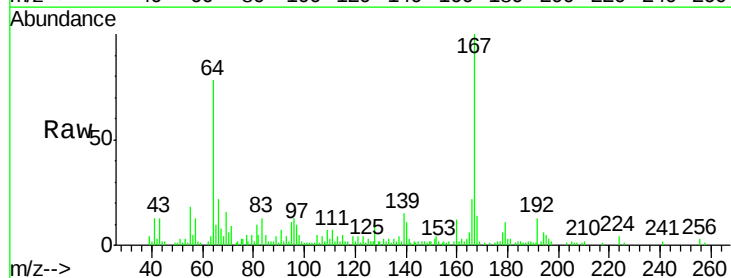
RT: 11.50 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF090927.D

Acq: 31 Oct 2016 14:49

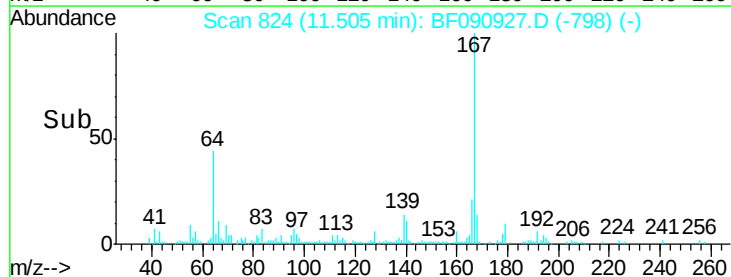
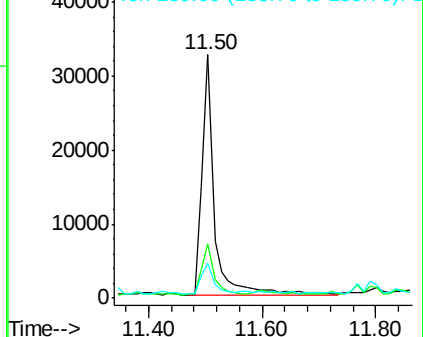
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	15.7	23.5
139	14.6	9.5	14.3#

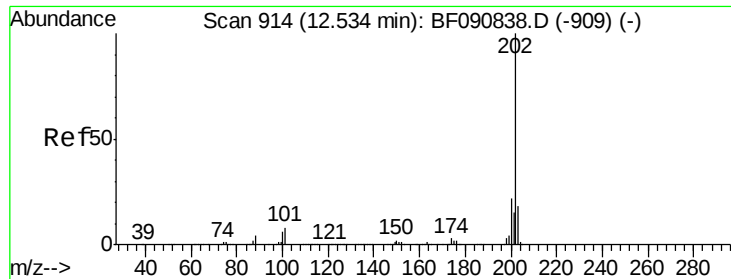


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 22.88 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.00 min

Lab File: BF090927.D

Acq: 31 Oct 2016 14:49

Instrument :

BNA_F

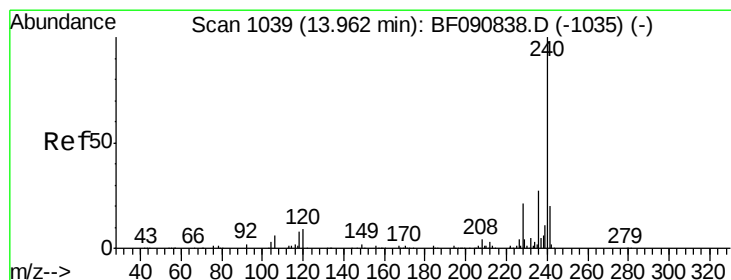
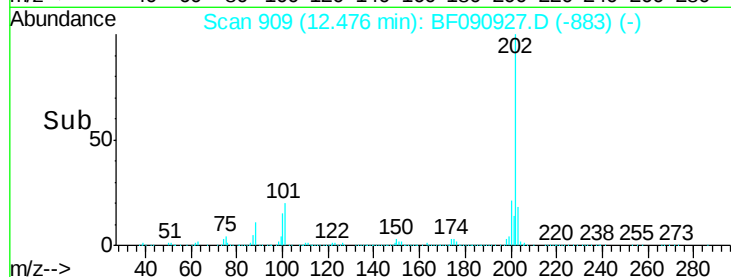
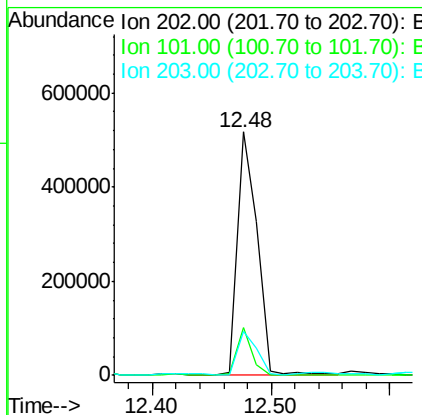
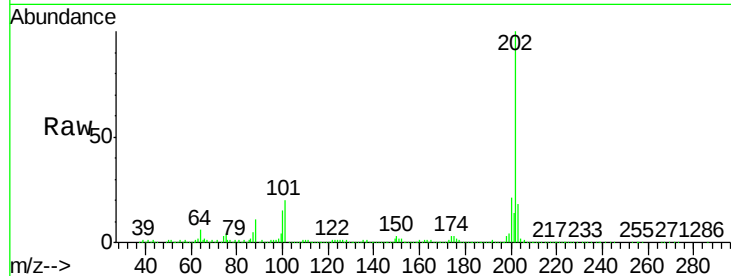
ClientSampleId :

SB-3COMP(0-16FEET)RE

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		593982		
101	19.6	0.0	38.3		
203	18.1	0.0	37.3		

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#75

Chrysene-d12

Concen: 20.00 ng

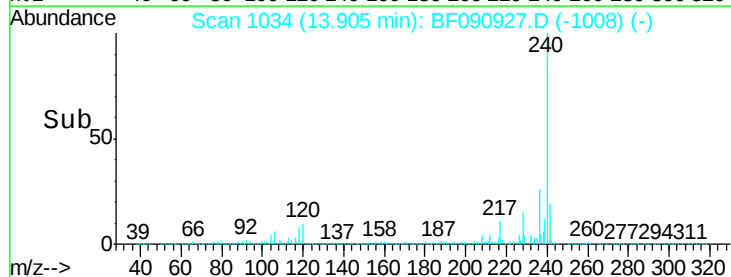
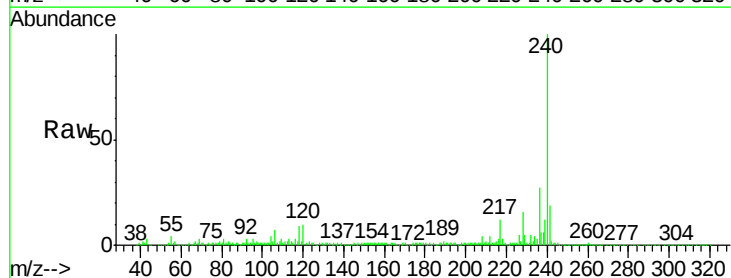
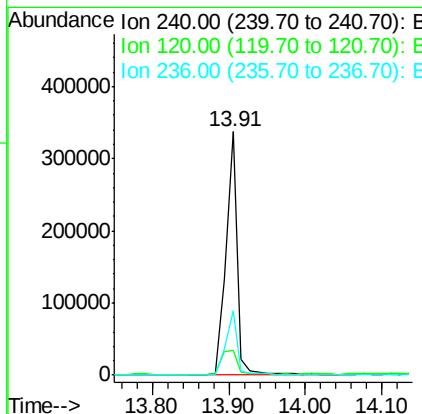
RT: 13.91 min Scan# 1034

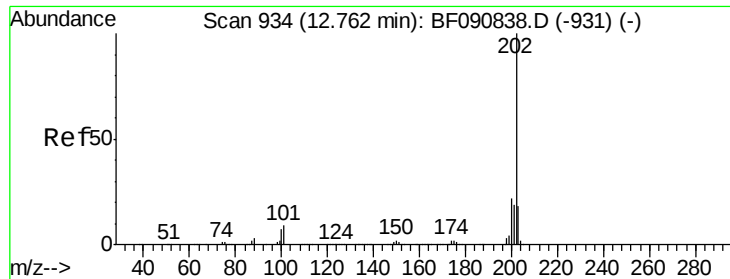
Delta R.T. -0.00 min

Lab File: BF090927.D

Acq: 31 Oct 2016 14:49

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		350182		
120	10.0	16.2	24.2#		
236	26.6	18.4	27.6		





#77

Pyrene

Concen: 26.57 ng

RT: 12.70 min Scan# 929

Delta R.T. -0.00 min

Lab File: BF090927.D

Acq: 31 Oct 2016 14:49

Instrument :

BNA_F

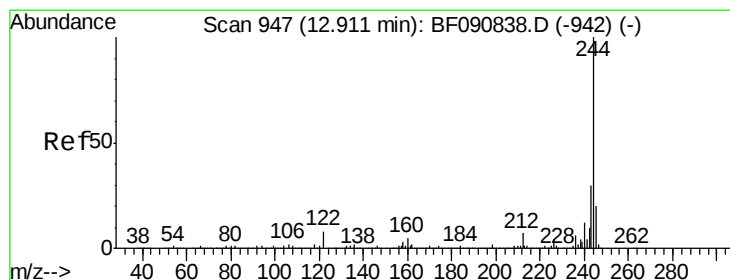
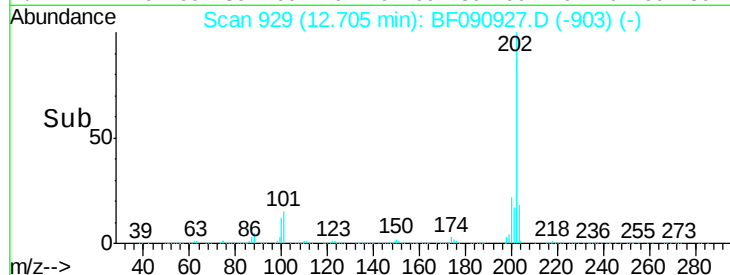
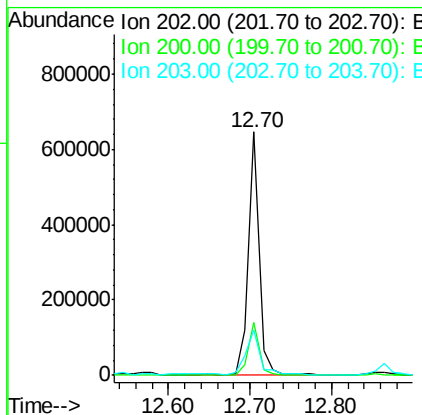
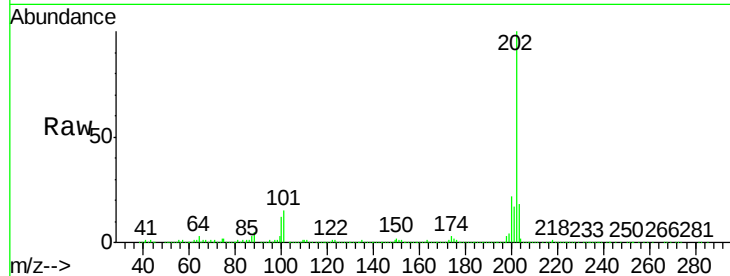
ClientSampleId :

SB-3COMP(0-16FEET)RE

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	15.0	22.4
203	18.5	14.1	21.1

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#78

Terphenyl-d14

Concen: 82.80 ng

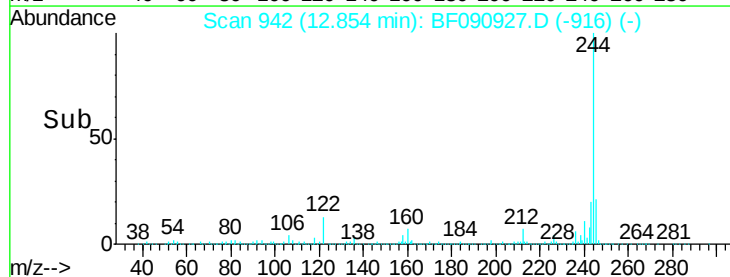
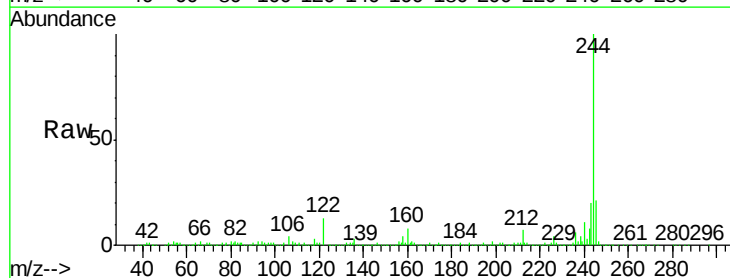
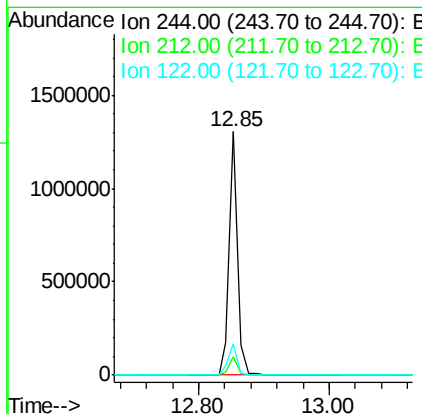
RT: 12.85 min Scan# 942

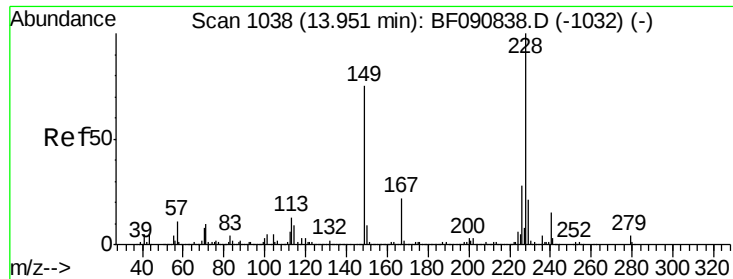
Delta R.T. -0.00 min

Lab File: BF090927.D

Acq: 31 Oct 2016 14:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	4.3	6.5#
122	12.9	17.4	26.2#





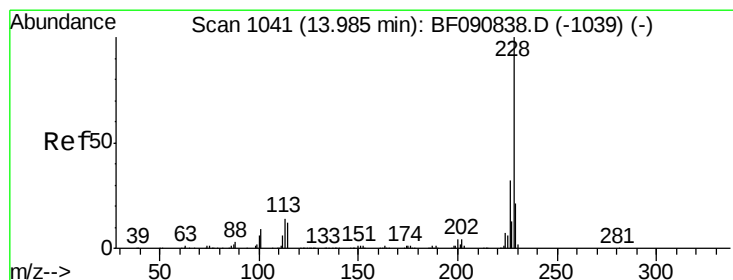
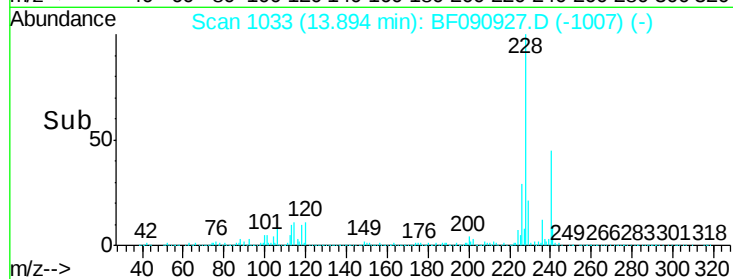
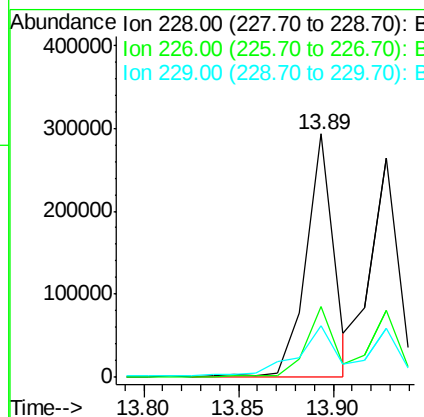
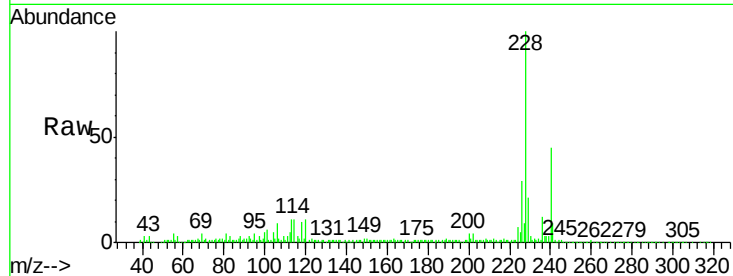
#80
Benzo(a)anthracene
Concen: 16.11 ng m
RT: 13.89 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF090927.D
Acq: 31 Oct 2016 14:49

Instrument :
BNA_F
ClientSampleId :
SB-3COMP(0-16FEET)RE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	20.0	30.0
229	21.3	15.4	23.2

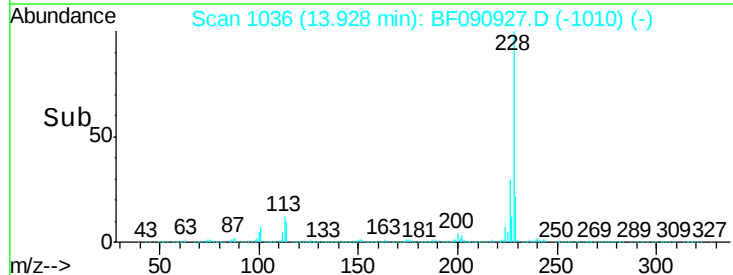
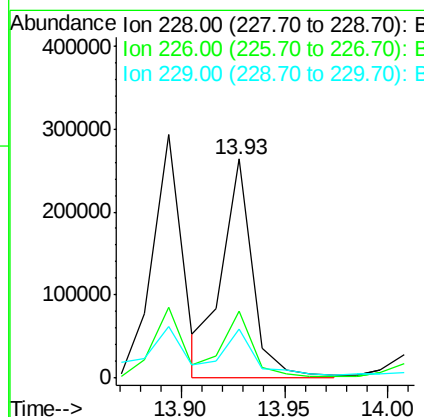
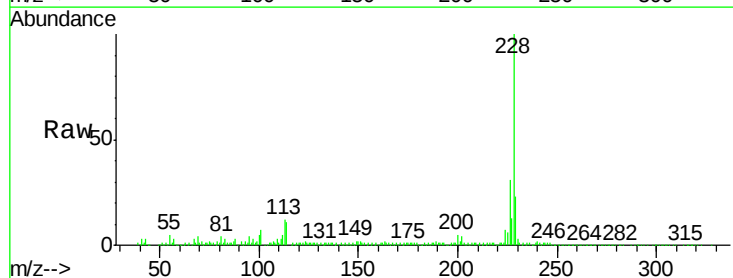
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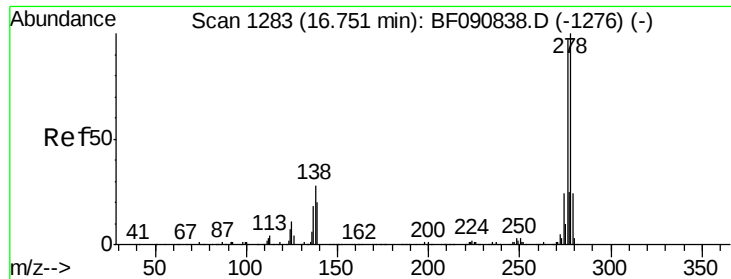
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#82
Chrysene
Concen: 14.73 ng m
RT: 13.93 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF090927.D
Acq: 31 Oct 2016 14:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.0	31.4
229	22.7	15.6	23.4





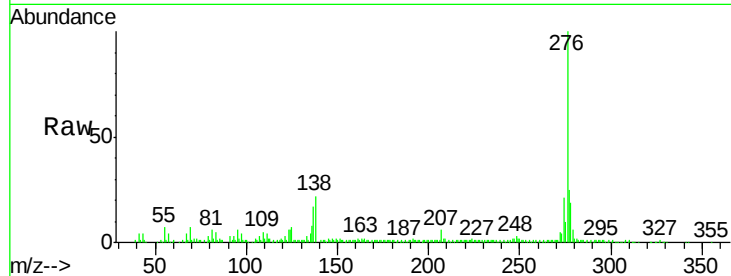
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.37 ng
 RT: 16.64 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: BF090927.D
 Acq: 31 Oct 2016 14:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-3COMP(0-16FEET)RE

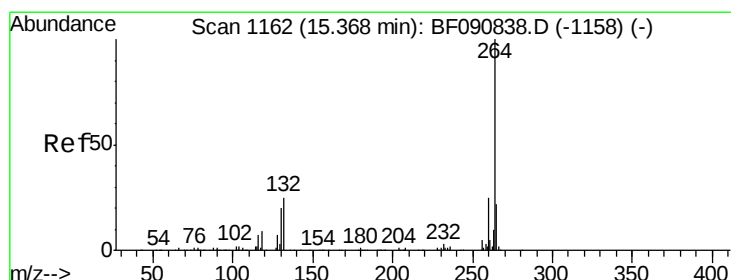
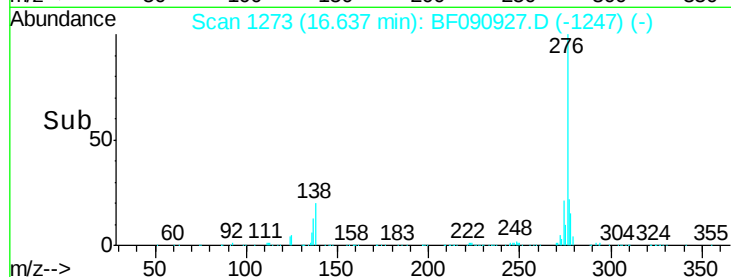
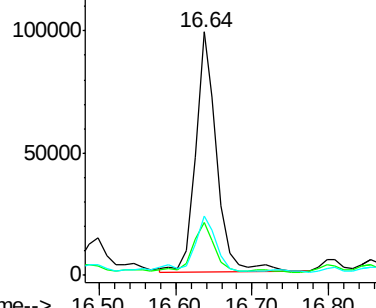
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	25.7	38.5#
277	25.1	15.6	23.4#

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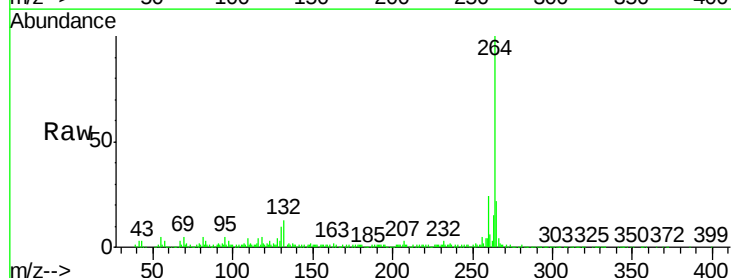


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

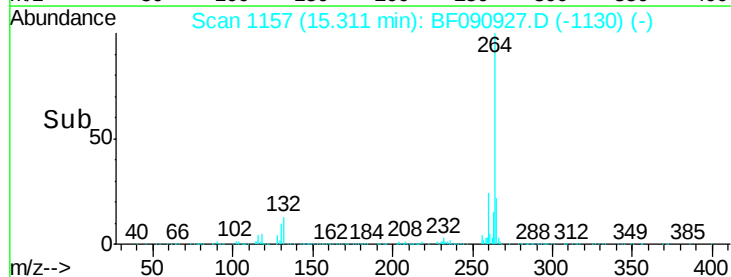
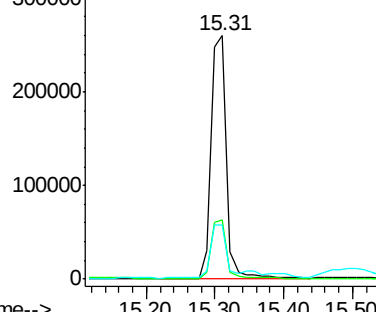


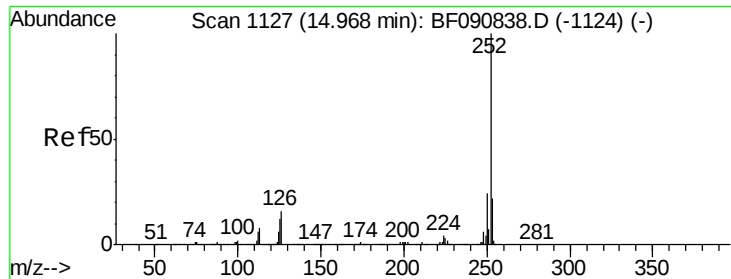
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1157
 Delta R.T. 0.01 min
 Lab File: BF090927.D
 Acq: 31 Oct 2016 14:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	16.7	25.1
265	22.1	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 13.01 ng m

RT: 14.91 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BF090927.D

Acq: 31 Oct 2016 14:49

Instrument :

BNA_F

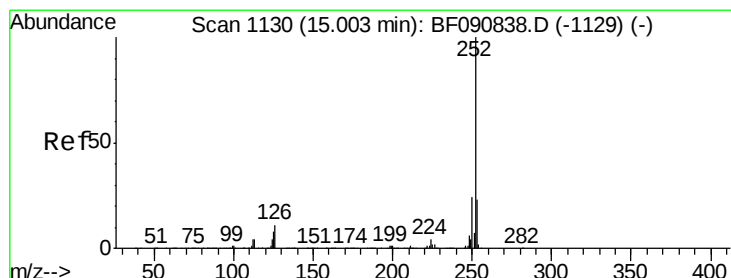
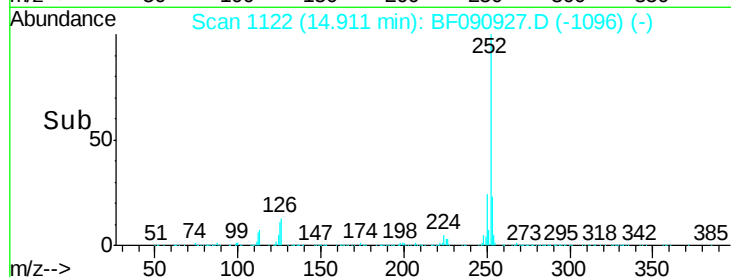
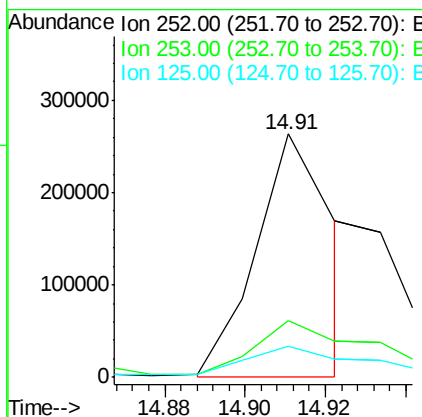
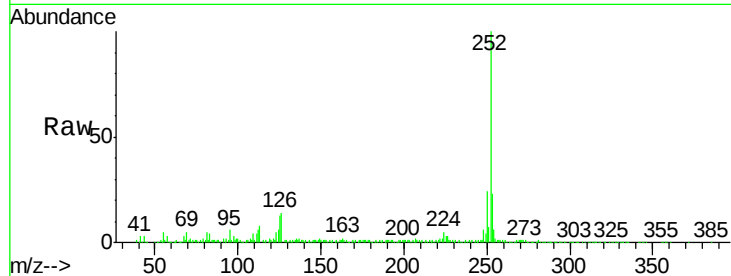
ClientSampleId :

SB-3COMP(0-16FEET)RE

Tgt Ion:	252	Resp:	355386
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.5	26.3
125	12.6	17.1	25.7#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 6.73 ng m

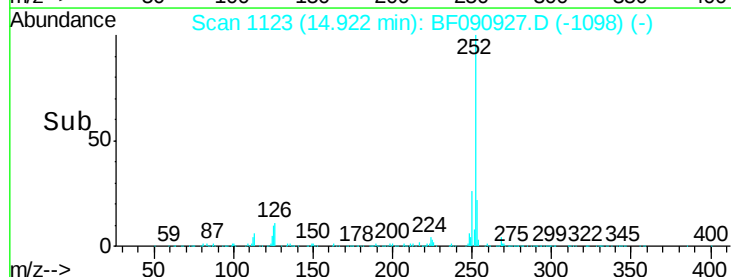
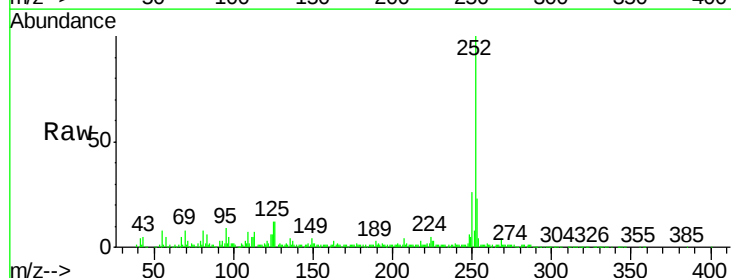
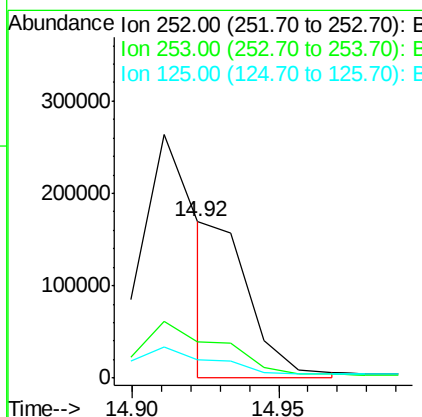
RT: 14.92 min Scan# 1123

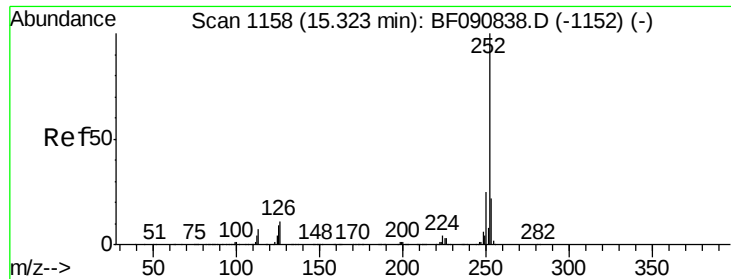
Delta R.T. -0.01 min

Lab File: BF090927.D

Acq: 31 Oct 2016 14:49

Tgt Ion:	252	Resp:	145138
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.4
125	12.0	16.0	24.0#





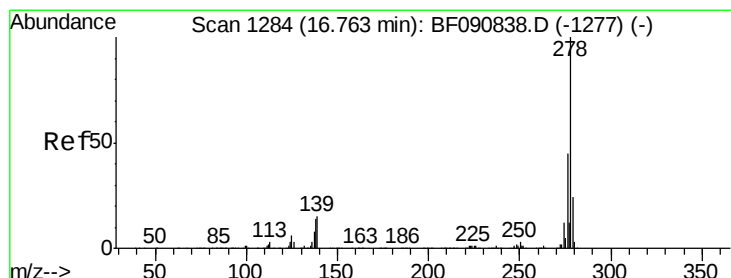
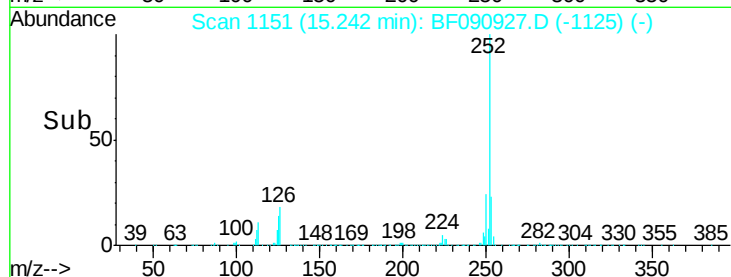
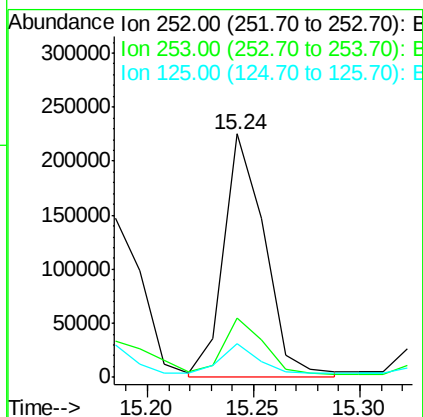
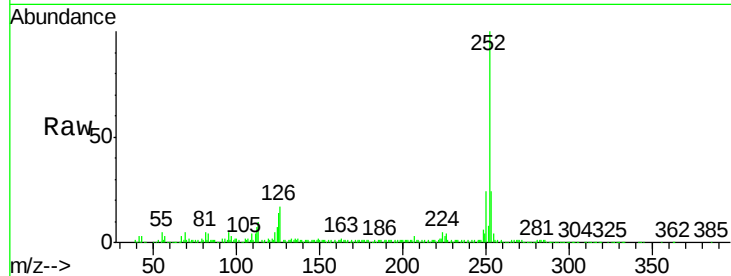
#89
Benzo(a)pyrene
Concen: 12.92 ng m
RT: 15.24 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF090927.D
Acq: 31 Oct 2016 14:49

Instrument :
BNA_F
ClientSampleId :
SB-3COMP(0-16FEET)RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	13.9	18.0	27.0#

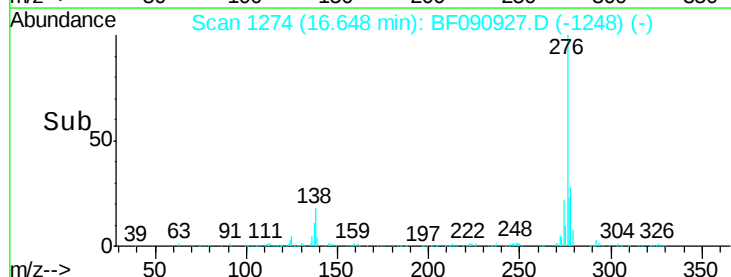
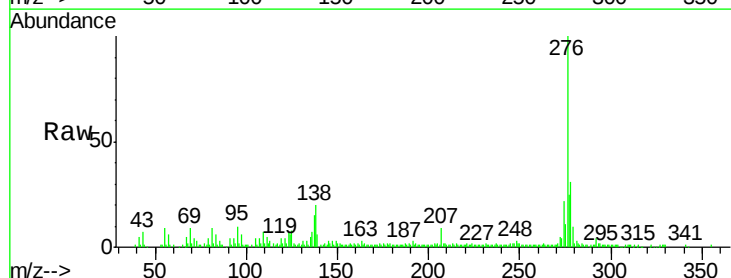
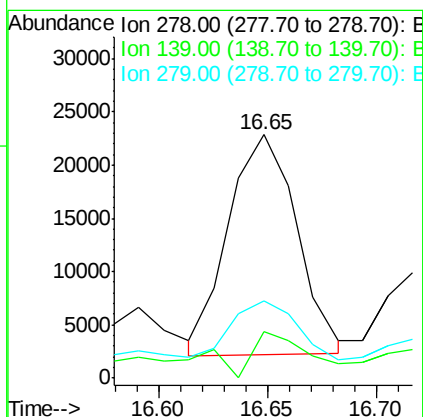
Manual Integrations
APPROVED

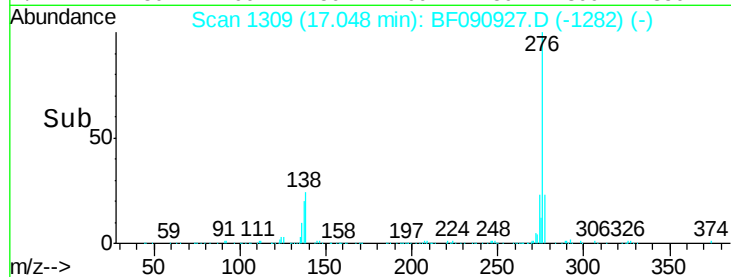
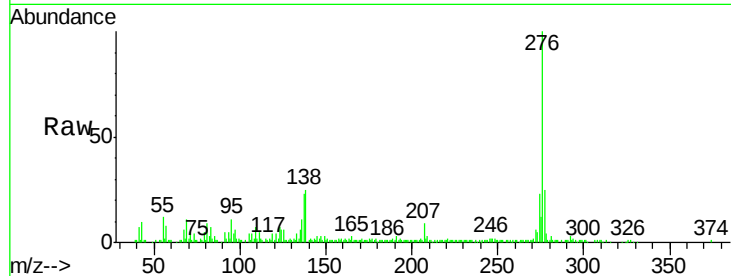
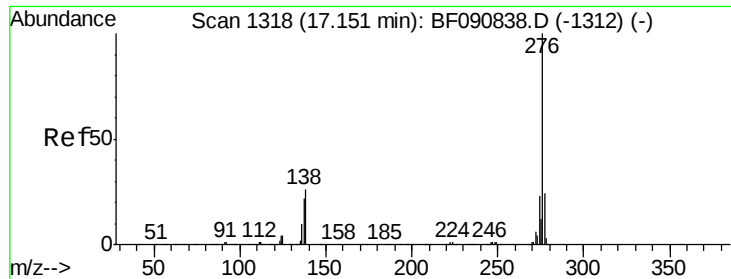
sohil
11/1/2016 5:19:19 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.28 ng
RT: 16.65 min Scan# 1274
Delta R.T. -0.00 min
Lab File: BF090927.D
Acq: 31 Oct 2016 14:49

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.0	26.3	39.5#
279	31.6	18.2	27.4#





#91

Benzo(g,h,i)perylene

Concen: 8.85 ng

RT: 17.05 min Scan# 1309

Delta R.T. 0.01 min

Lab File: BF090927.D

Acq: 31 Oct 2016 14:49

Instrument :

BNA_F

ClientSampleId :

SB-3COMP(0-16FEET)RE

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.8	26.6
138	25.4	34.6	51.8

Manual Integrations
APPROVED

sohil
11/1/2016 5:19:19 PM

