

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102315\
 Data File : BF082495.D
 Acq On : 24 Oct 2015 6:17
 Operator : UM/IZ
 Sample : G4116-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB3-01(0-2)

Manual Integrations
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Quant Time: Oct 24 23:47:47 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 23 15:17:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	92251m	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	349830	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	176524	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	297217	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	228776	20.00	ng	-0.09
86) Perylene-d12	15.41	264	197248	20.00	ng	-0.22
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	654299	143.14	ng	0.01
7) Phenol-d6	6.41	99	862443	144.99	ng	-0.01
23) Nitrobenzene-d5	7.33	82	505761	97.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	192757	116.44	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	949376	89.19	ng	-0.01
78) Terphenyl-d14	12.88	244	900479	104.30	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.52	163	231425	18.62	ng	98
51) Acenaphthene	9.83	154	21456	2.17	ng	99
70) Phenanthrene	11.30	178	161424	11.08	ng	98
71) Anthracene	11.36	178	47418	3.16	ng	98
74) Fluoranthene	12.49	202	211703	13.53	ng	95
77) Pyrene	12.72	202	178795	13.17	ng	97
80) Benzo(a)anthracene	13.93	228	71885	6.04	ng	98
82) Chrysene	13.97	228	78267m	6.24	ng	
85) Indeno(1,2,3-cd)pyrene	16.79	276	39122	3.92	ng	96
87) Benzo(b)fluoranthene	15.01	252	86184m	7.18	ng	
88) Benzo(k)fluoranthene	15.02	252	35286m	3.50	ng	
89) Benzo(a)pyrene	15.35	252	58725	5.69	ng	98
91) Benzo(g,h,i)perylene	17.21	276	42142	5.13	ng	98

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

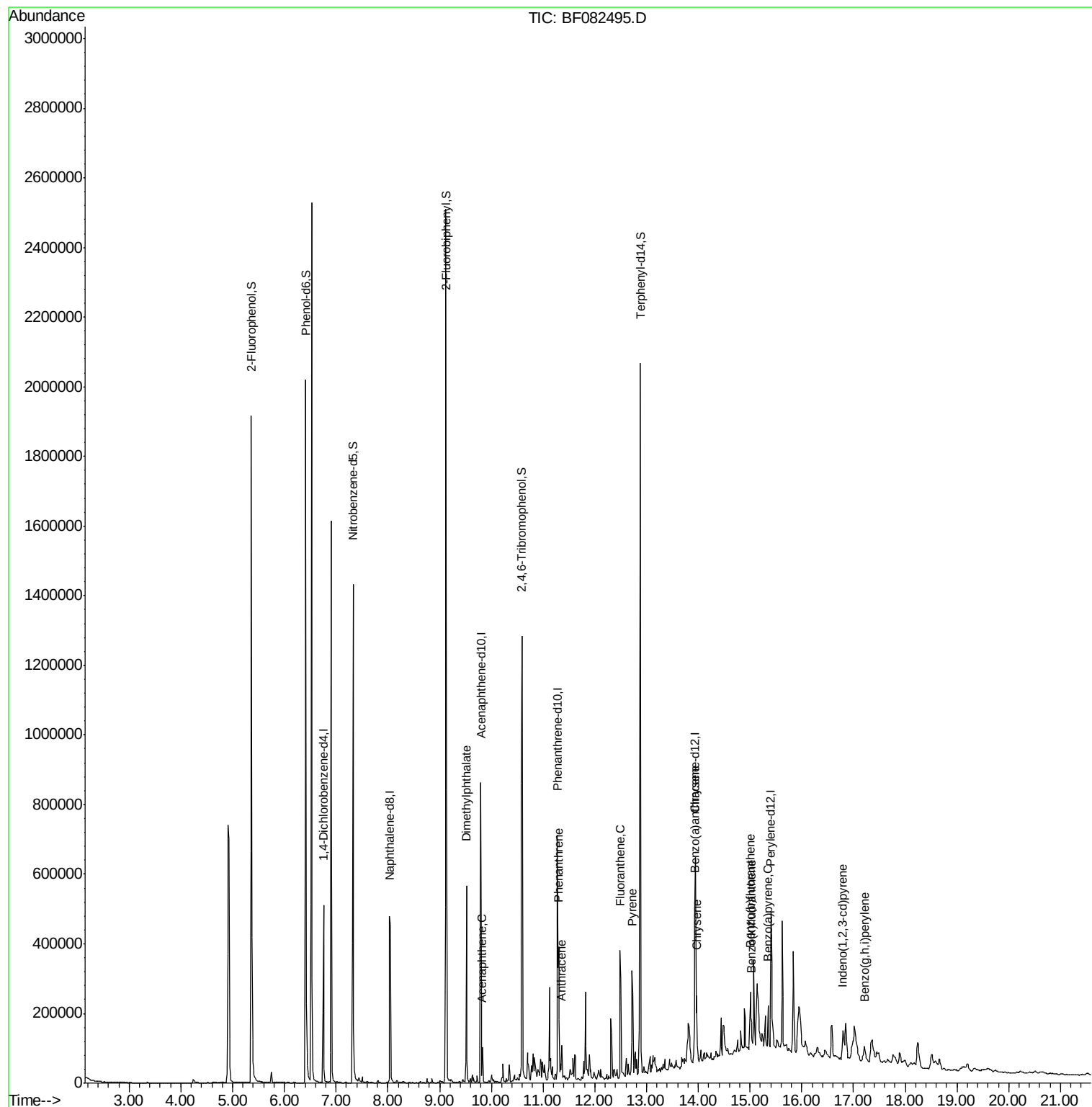
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102315\
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ALS Vial : 24 Sample Multiplier: 1

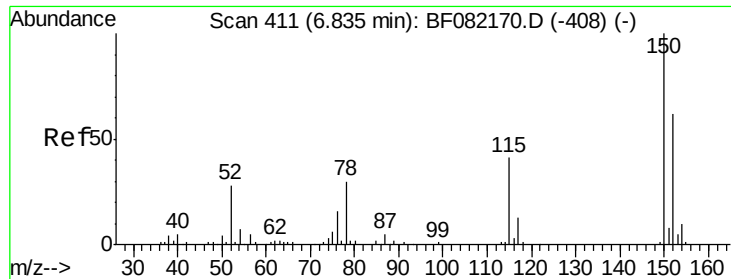
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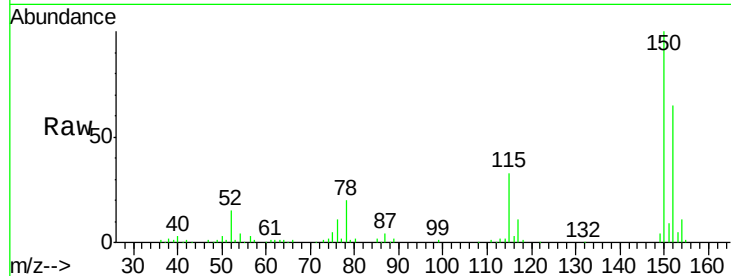




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.75 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF082495.D
Acq: 24 Oct 2015 6:17

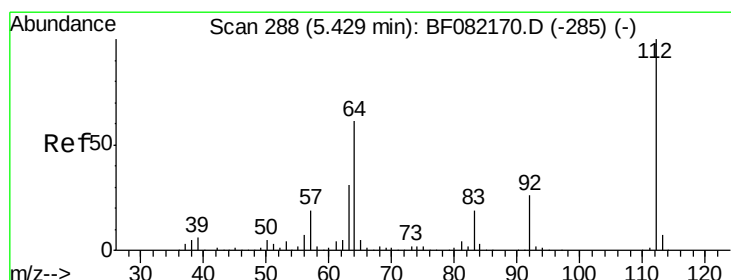
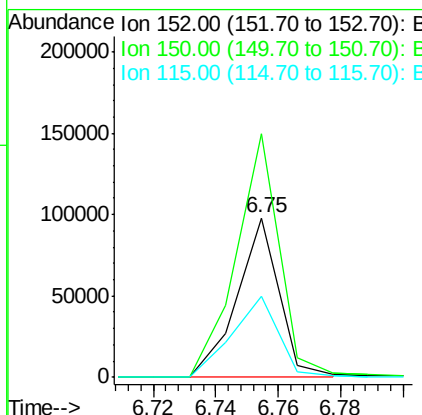
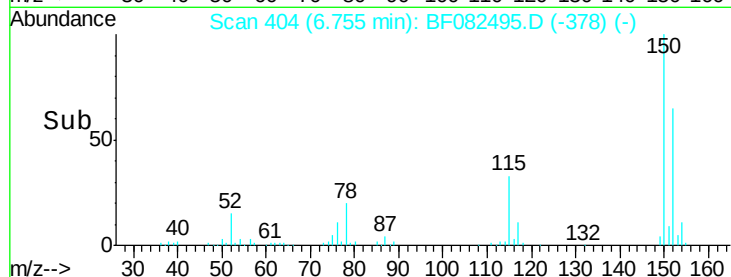
Instrument :
BNA_F
ClientSampleId :
NB3-01(0-2)



Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.7	129.0	193.4
115	50.7	52.1	78.1#

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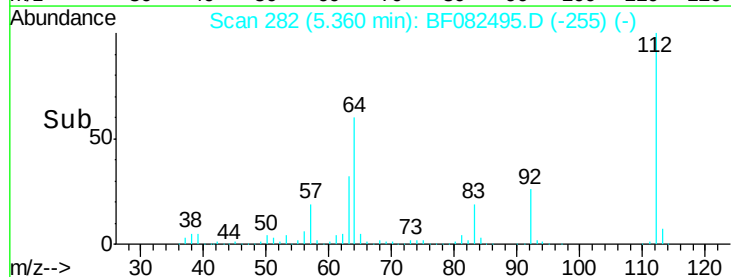
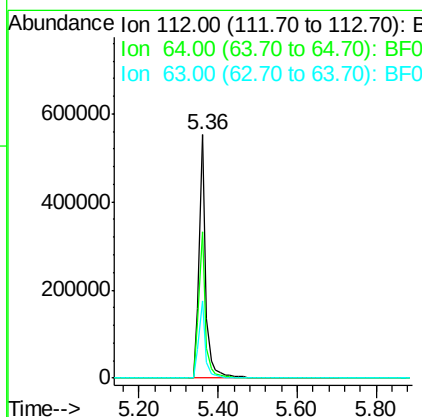
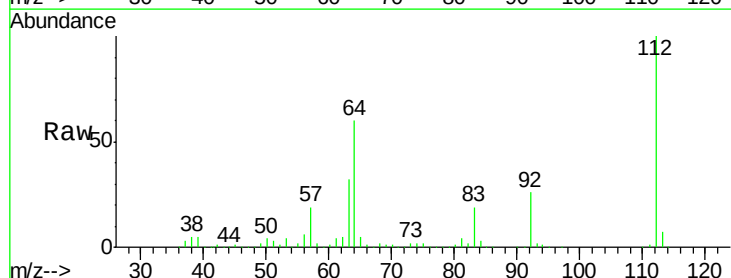
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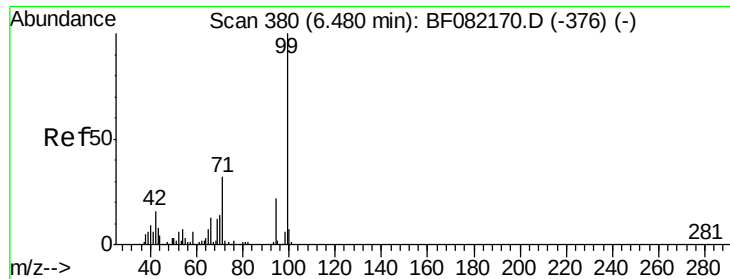


#5

2-Fluorophenol
Concen: 143.14 ng
RT: 5.36 min Scan# 282
Delta R.T. 0.01 min
Lab File: BF082495.D
Acq: 24 Oct 2015 6:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	48.6	73.0
63	31.5	25.1	37.7





#7

Phenol-d6

Concen: 144.99 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF082495.D

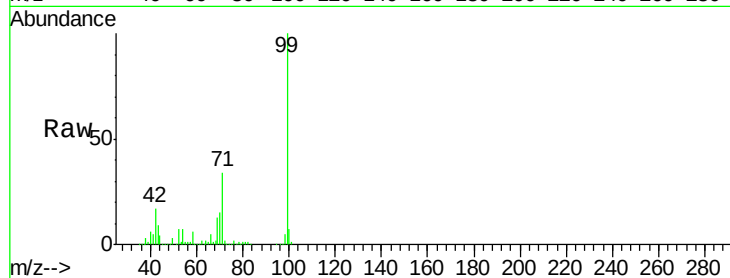
Acq: 24 Oct 2015 6:17

Instrument :

BNA_F

ClientSampleId :

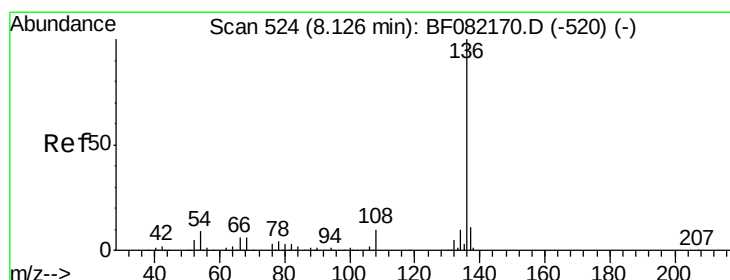
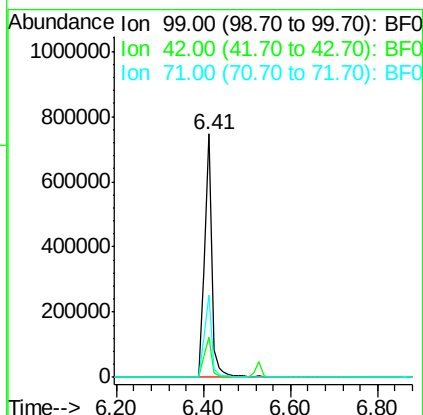
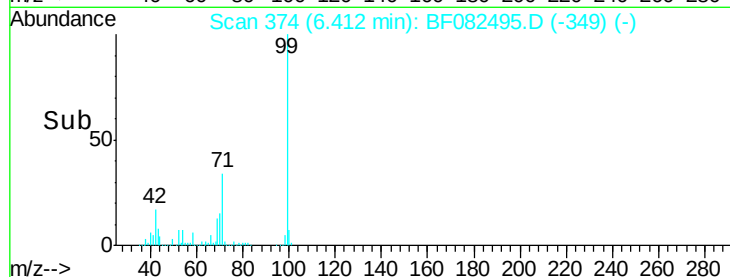
NB3-01(0-2)



Tgt Ion:	99	Resp:	862443
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.2	19.8
71	33.6	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

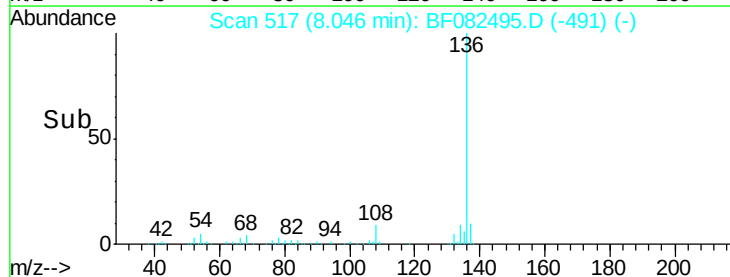
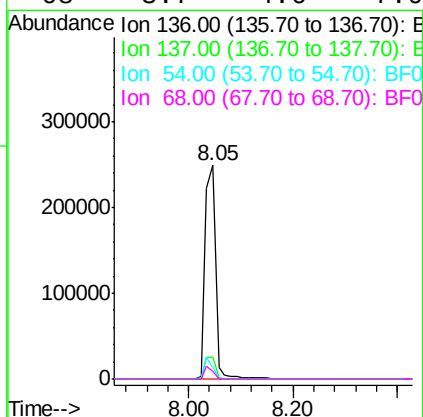
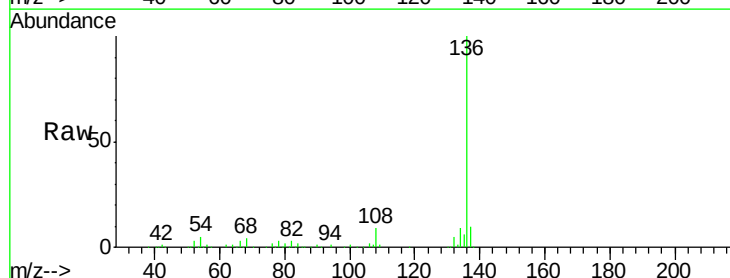
RT: 8.05 min Scan# 517

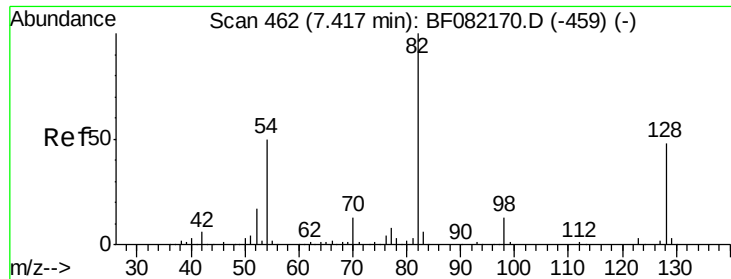
Delta R.T. 0.00 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Tgt Ion:	136	Resp:	349830
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.6
54	5.3	7.5	11.3#
68	3.7	4.6	7.0#





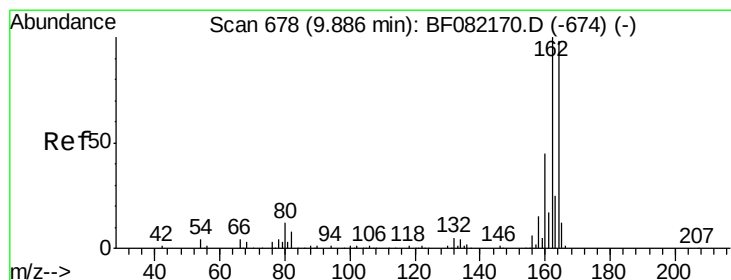
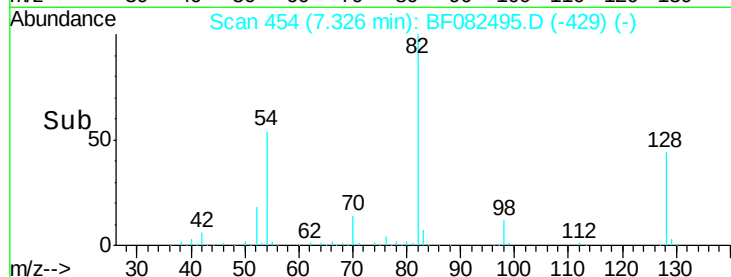
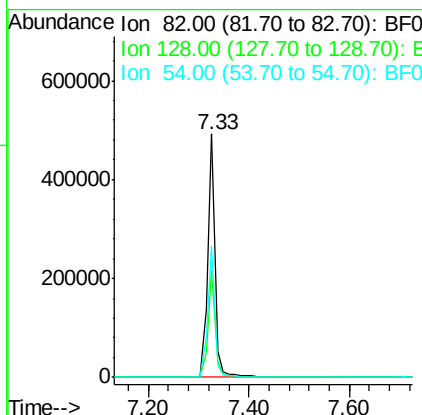
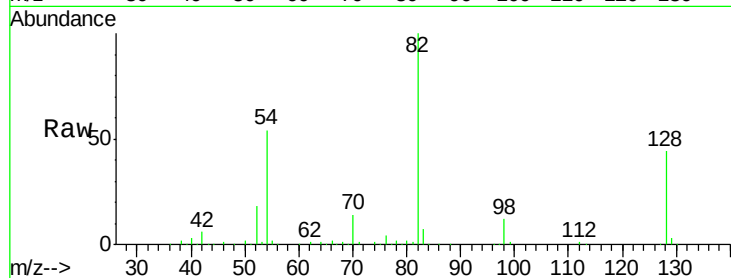
#23
 Nitrobenzene-d5
 Concen: 97.09 ng
 RT: 7.33 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: BF082495.D
 Acq: 24 Oct 2015 6:17

Instrument :
 BNA_F
 ClientSampleId :
 NB3-01(0-2)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.6	38.7	58.1
54	53.6	40.1	60.1

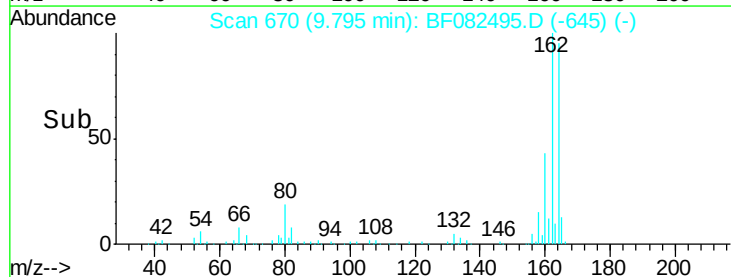
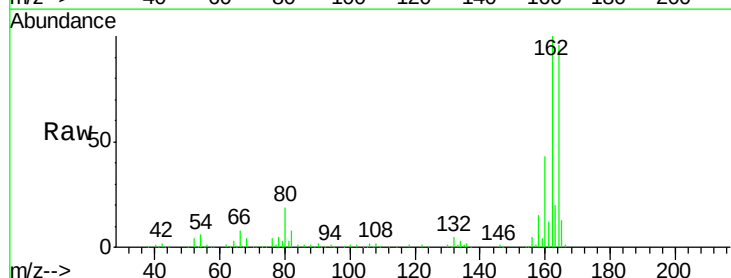
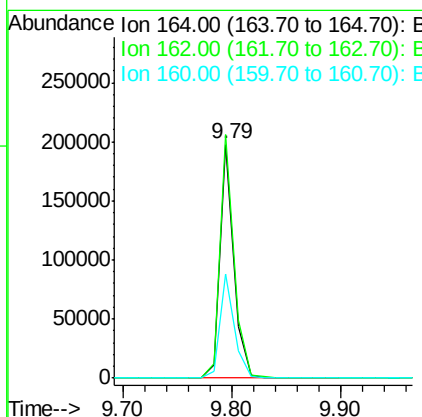
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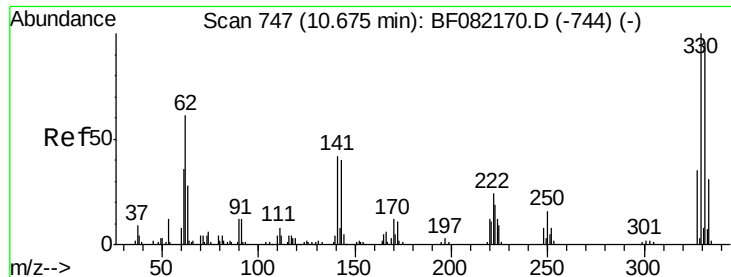
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 670
 Delta R.T. -0.01 min
 Lab File: BF082495.D
 Acq: 24 Oct 2015 6:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	81.6	122.4
160	44.7	36.4	54.6





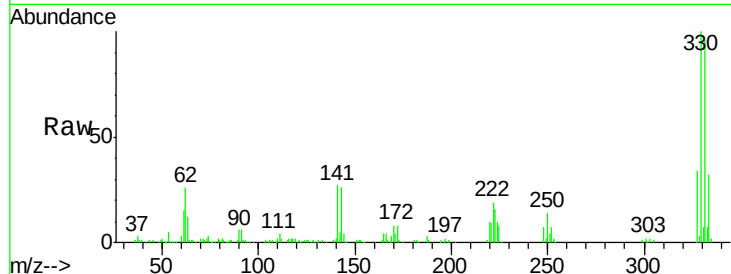
#41
 2,4,6-Tribromophenol
 Concen: 116.44 ng
 RT: 10.59 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF082495.D
 Acq: 24 Oct 2015 6:17

Instrument :
 BNA_F
 ClientSampleId :
 NB3-01(0-2)

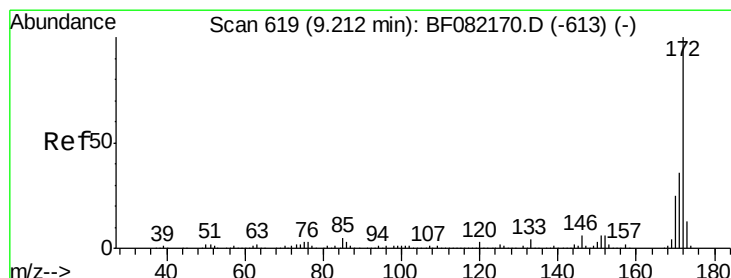
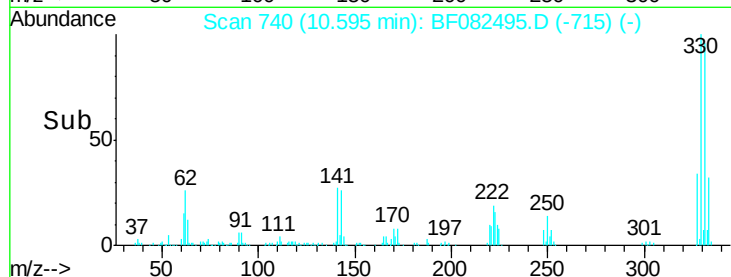
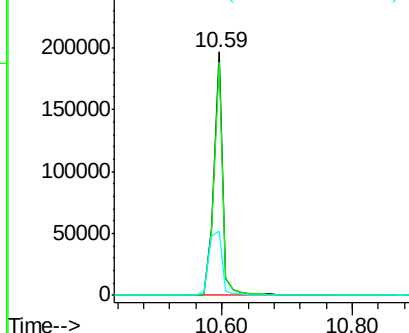
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	192757		
332	96.4	77.1	115.7	
141	39.3	29.8	44.8	

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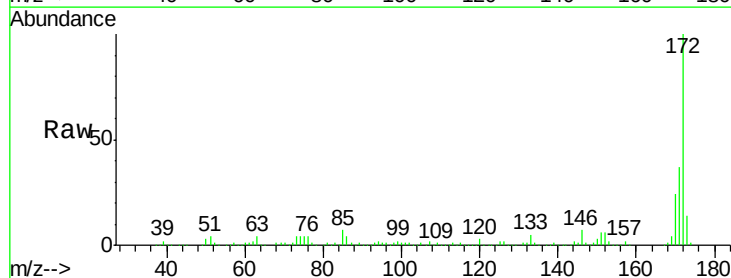


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

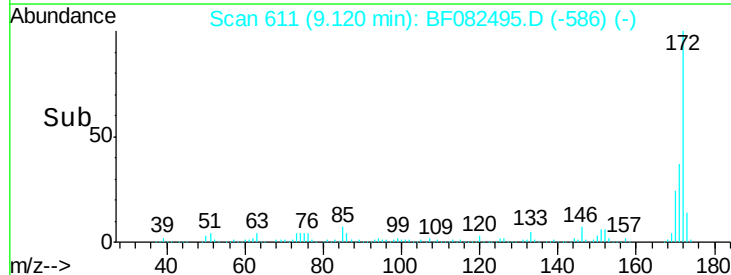
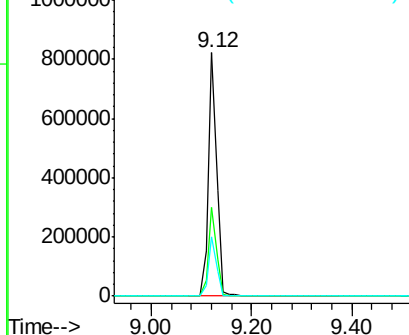


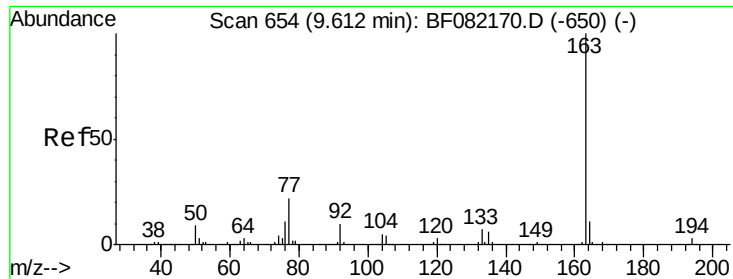
#44
 2-Fluorobiphenyl
 Concen: 89.19 ng
 RT: 9.12 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF082495.D
 Acq: 24 Oct 2015 6:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	949376		
171	36.6	28.6	42.8	
170	24.4	19.7	29.5	



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





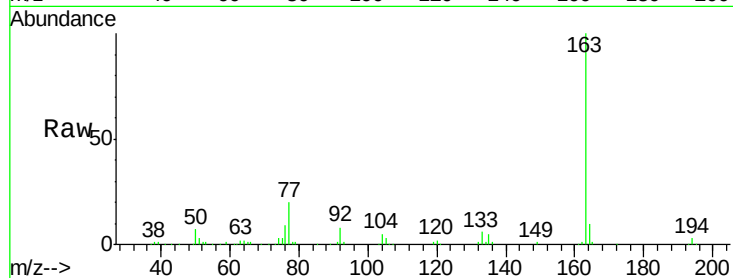
#49
Dimethylphthalate
Concen: 18.62 ng
RT: 9.52 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF082495.D
Acq: 24 Oct 2015 6:17

Instrument :
BNA_F
ClientSampleId :
NB3-01(0-2)

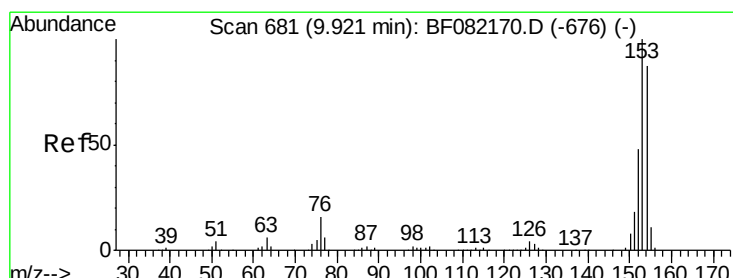
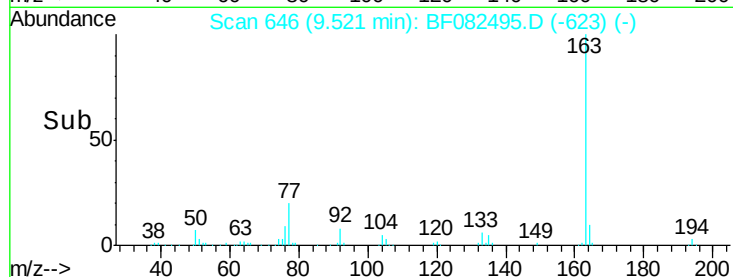
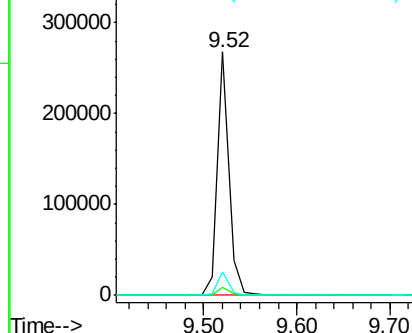
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.4	2.6	4.0
164	9.8	8.5	12.7

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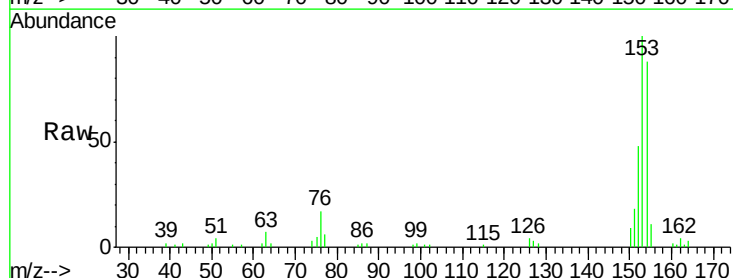


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

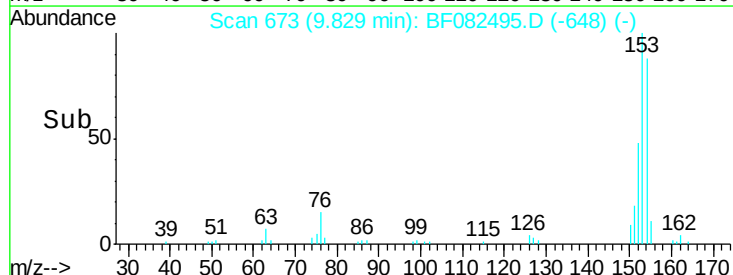
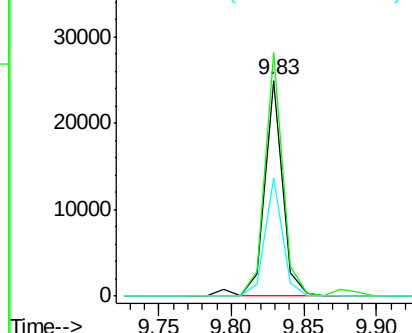


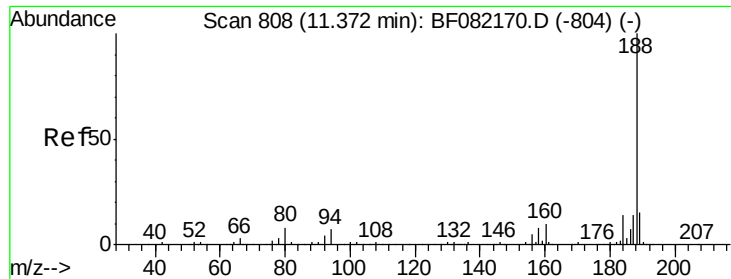
#51
Acenaphthene
Concen: 2.17 ng
RT: 9.83 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF082495.D
Acq: 24 Oct 2015 6:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	113.0	91.4	137.2
152	54.6	44.3	66.5



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





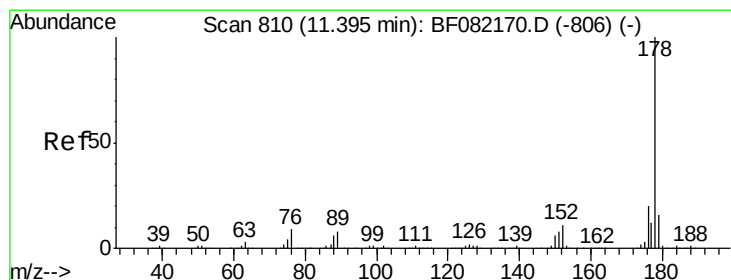
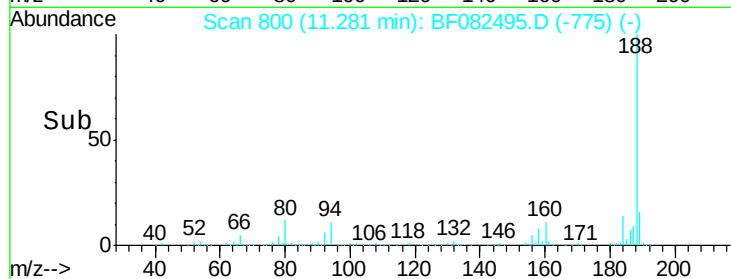
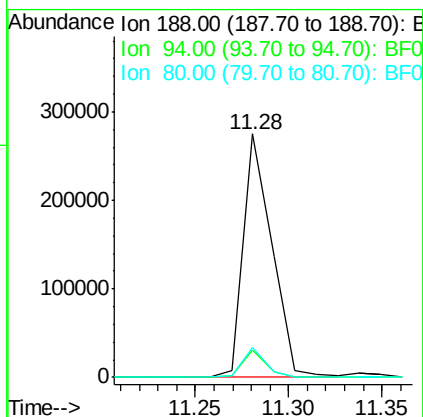
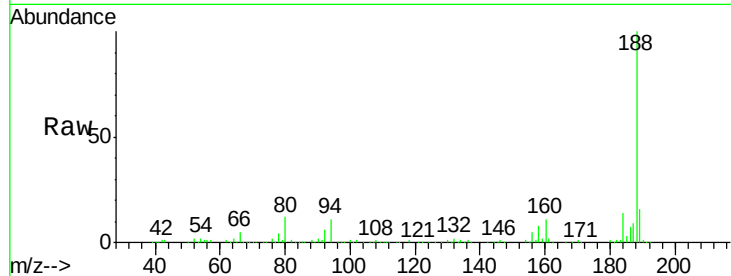
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF082495.D
Acq: 24 Oct 2015 6:17

Instrument :
BNA_F
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NB3-01(0-2)

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.0	5.8	8.6#
80	12.2	6.4	9.6#

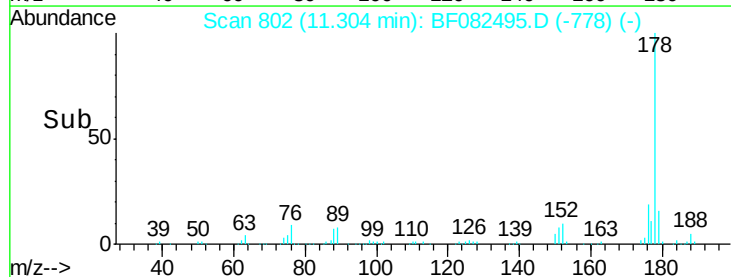
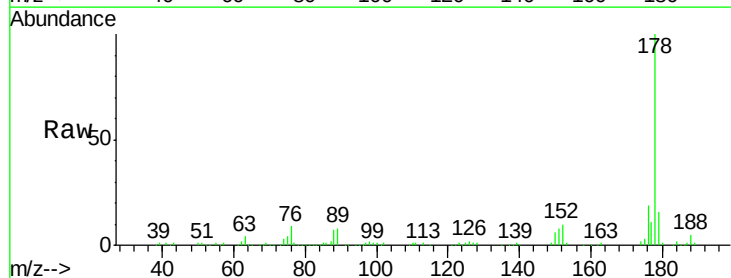
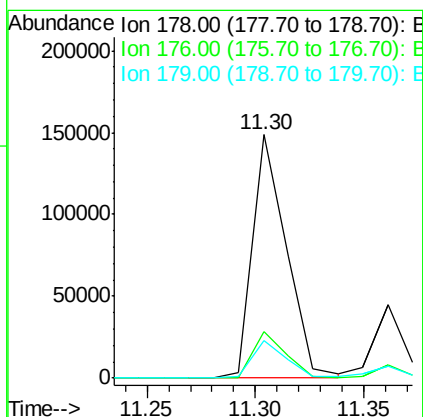
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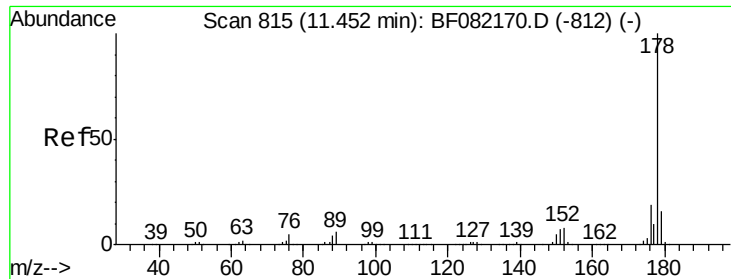
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#70
Phenanthrene
Concen: 11.08 ng
RT: 11.30 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF082495.D
Acq: 24 Oct 2015 6:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.0	16.0	24.0
179	15.6	12.6	19.0





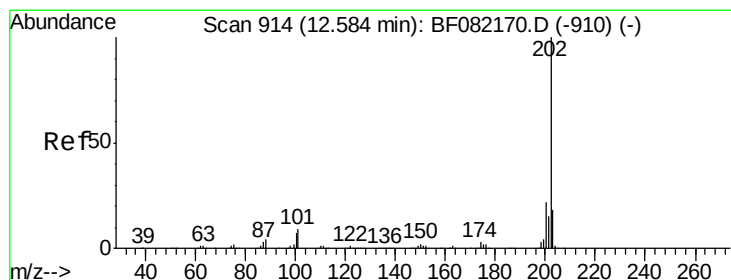
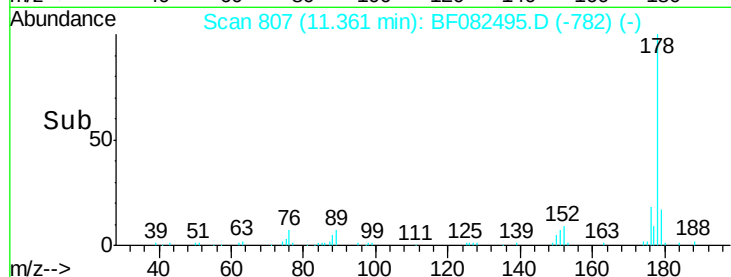
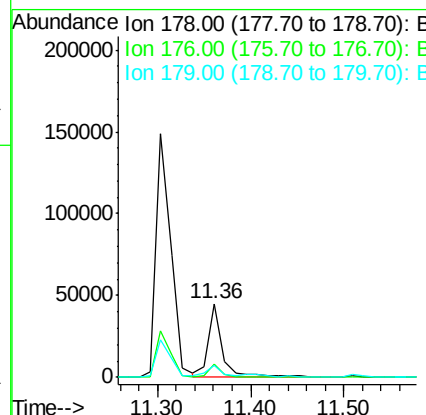
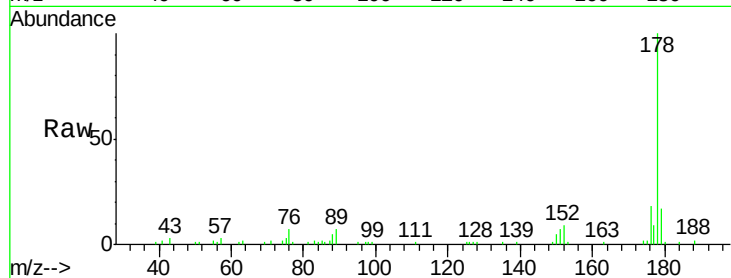
#71
 Anthracene
 Concen: 3.16 ng
 RT: 11.36 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF082495.D
 Acq: 24 Oct 2015 6:17

Instrument :
 BNA_F
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 NB3-01(0-2)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	16.5	12.5	18.7

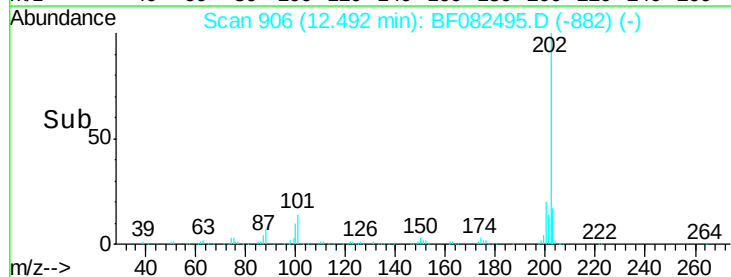
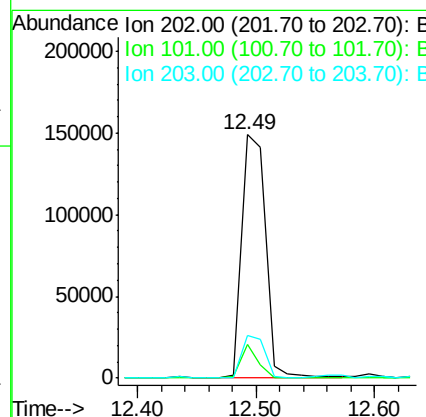
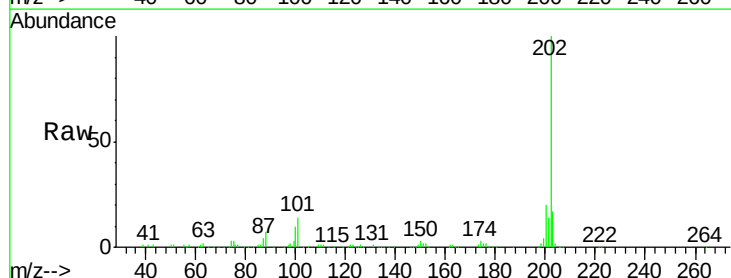
Manual Integrations
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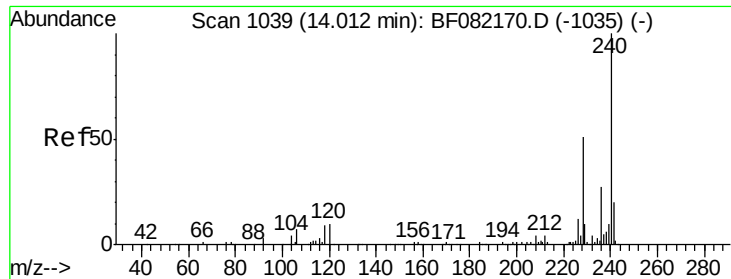
MmDadoda
 10/26/2015 7:22:41 PM



#74
 Fluoranthene
 Concen: 13.53 ng
 RT: 12.49 min Scan# 906
 Delta R.T. -0.02 min
 Lab File: BF082495.D
 Acq: 24 Oct 2015 6:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	29.3
203	17.5	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1033

Delta R.T. -0.09 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Instrument :

BNA_F

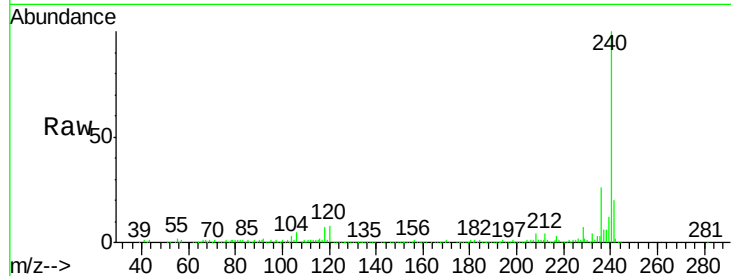
ClientSampleId :

NB3-01(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	228776		
120	7.6	8.1	12.1	#
236	25.6	21.3	31.9	

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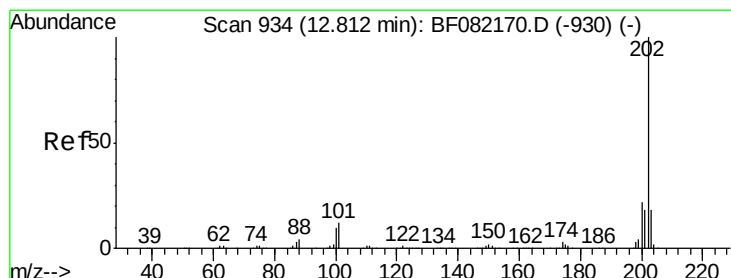
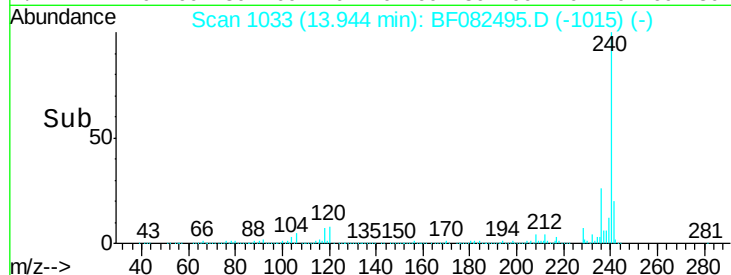
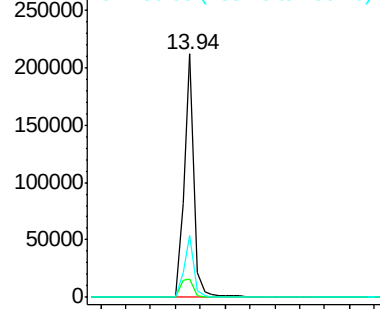
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 13.17 ng

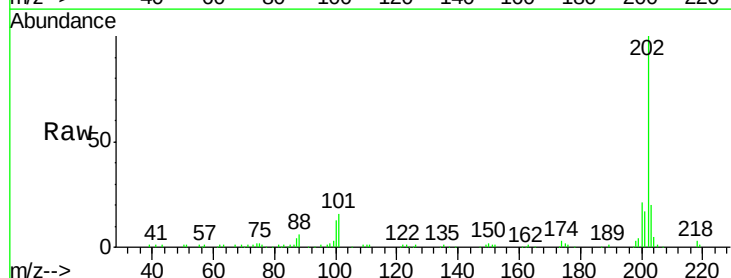
RT: 12.72 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

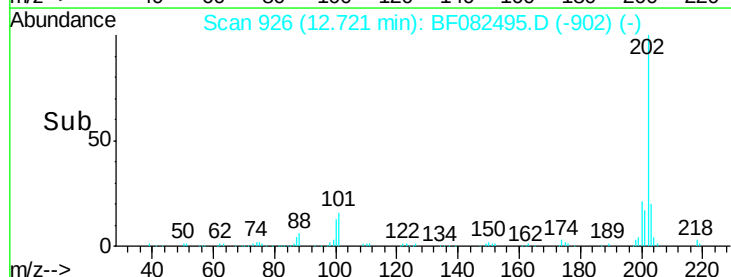
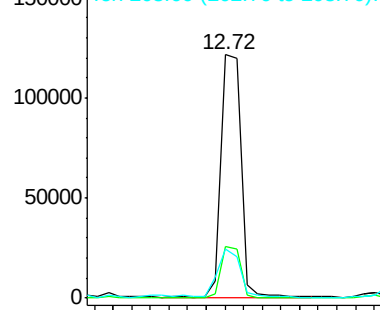
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	178795		
200	21.1	17.9	26.9	
203	20.0	14.5	21.7	

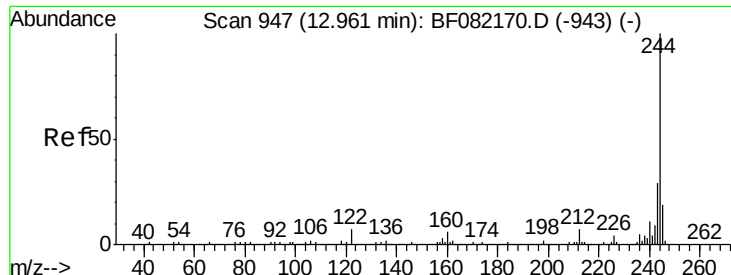


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





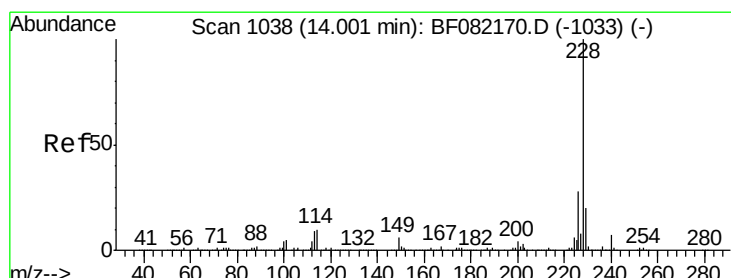
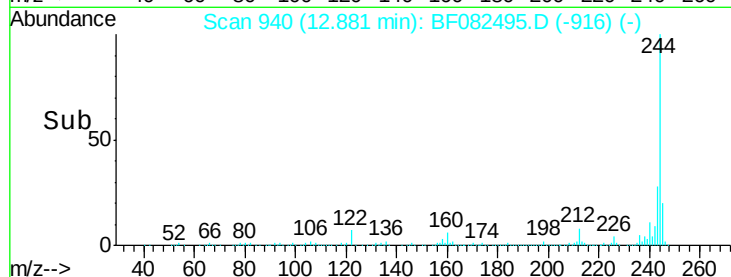
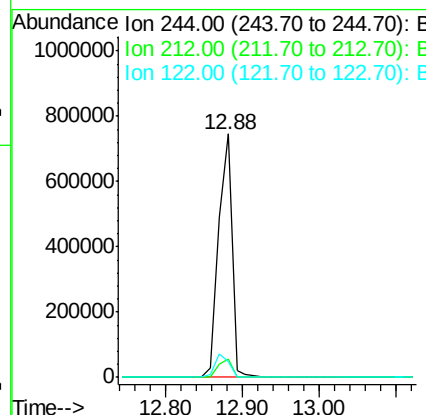
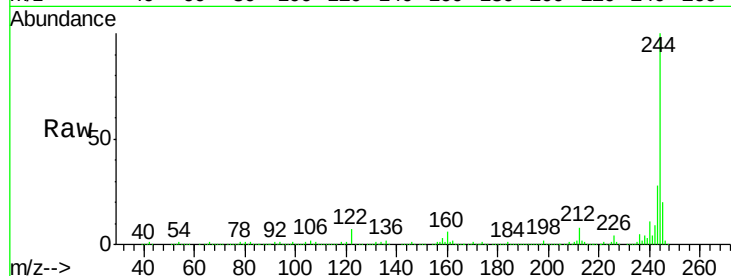
#78
 Terphenyl-d14
 Concen: 104.30 ng
 RT: 12.88 min Scan# 940
 Delta R.T. -0.02 min
 Lab File: BF082495.D
 Acq: 24 Oct 2015 6:17

Instrument :
 BNA_F
 ClientSampleID :
 NB3-01(0-2)

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.5	5.8	8.6
122	6.5	5.9	8.9

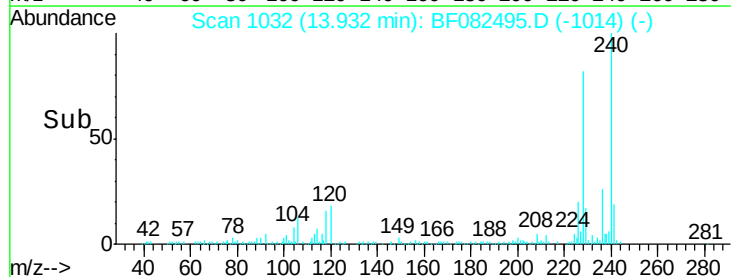
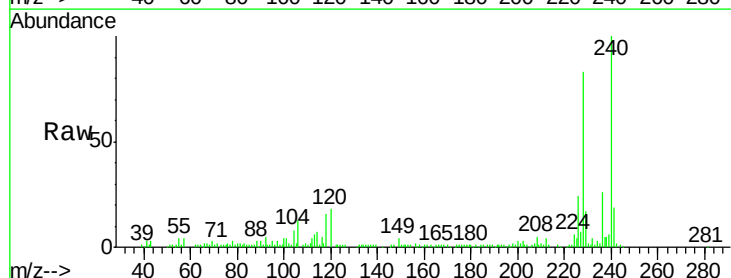
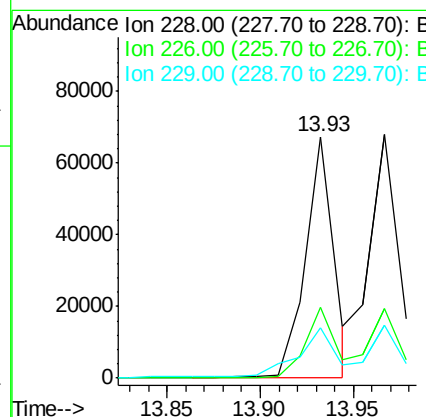
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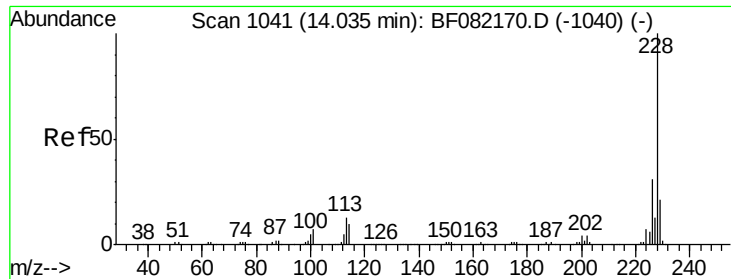
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#80
 Benzo(a)anthracene
 Concen: 6.04 ng
 RT: 13.93 min Scan# 1032
 Delta R.T. -0.09 min
 Lab File: BF082495.D
 Acq: 24 Oct 2015 6:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.3	22.3	33.5
229	20.9	16.2	24.2





#82

Chrysene

Concen: 6.24 ng m

RT: 13.97 min Scan# 1035

Delta R.T. -0.10 min

Lab File: BF082495.D

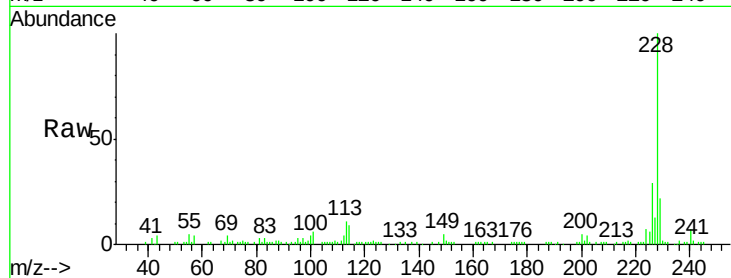
Acq: 24 Oct 2015 6:17

Instrument :

BNA_F

ClientSampleId :

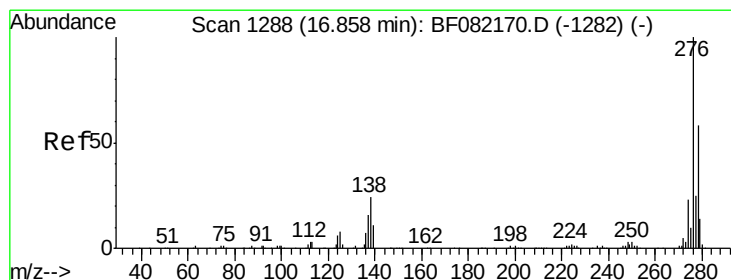
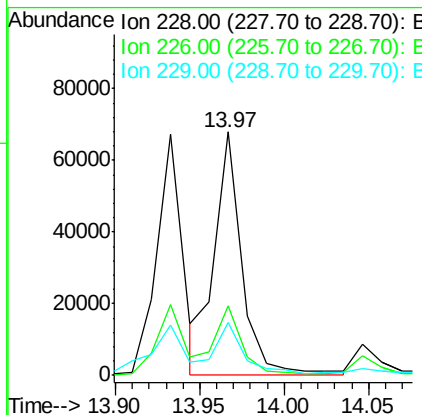
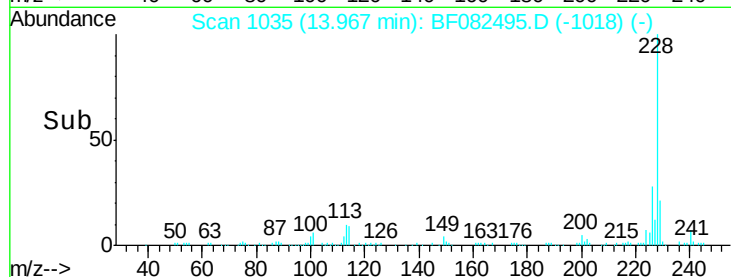
NB3-01(0-2)



Tgt Ion:	228	Resp:	78267
Ion Ratio	Lower	Upper	
228	100		
226	28.8	24.4	36.6
229	21.7	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.92 ng

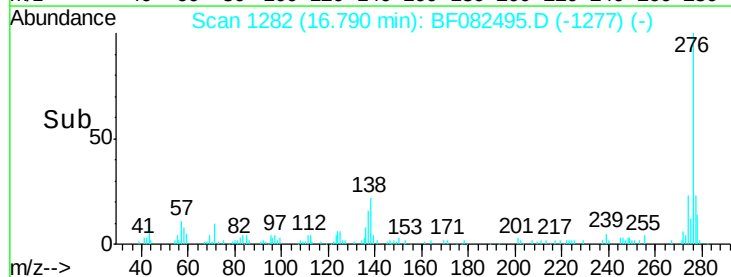
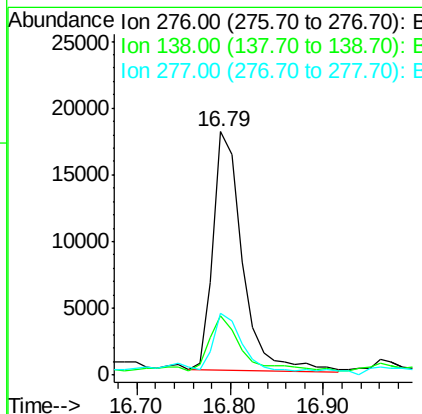
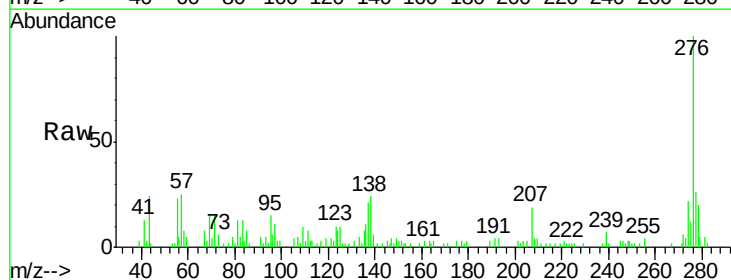
RT: 16.79 min Scan# 1282

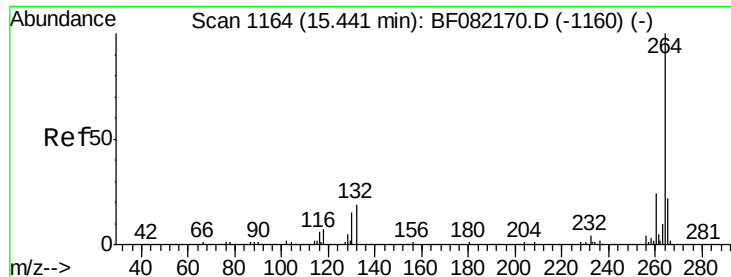
Delta R.T. -0.24 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Tgt Ion:	276	Resp:	39122
Ion Ratio	Lower	Upper	
276	100		
138	26.0	19.7	29.5
277	27.4	20.1	30.1





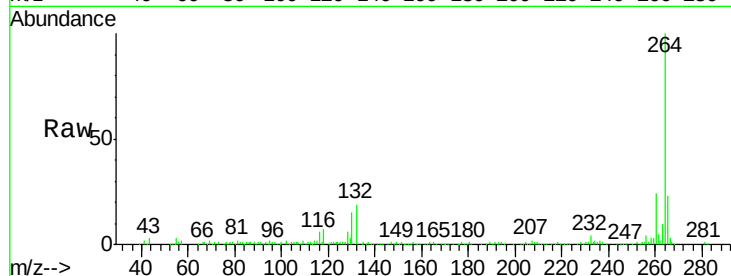
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1161
Delta R.T. -0.22 min
Lab File: BF082495.D
Acq: 24 Oct 2015 6:17

Instrument :
BNA_F
ClientSampleId :
NB3-01(0-2)

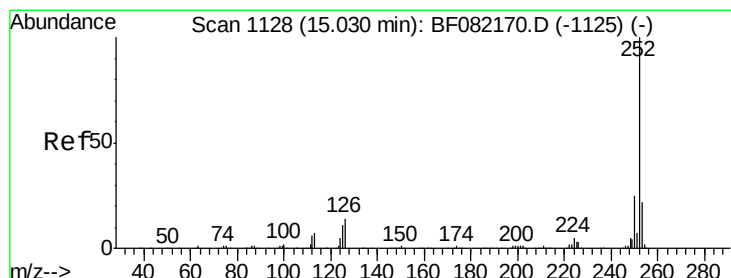
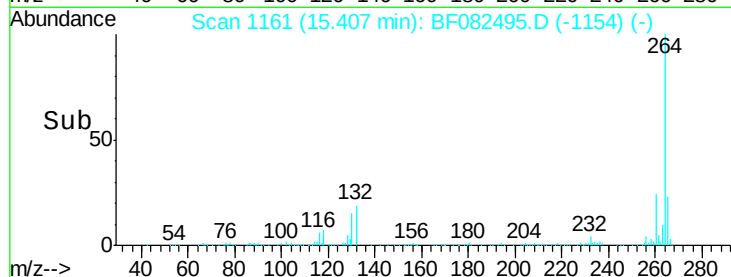
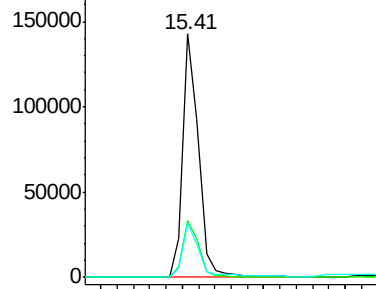
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	22.5	17.3	25.9

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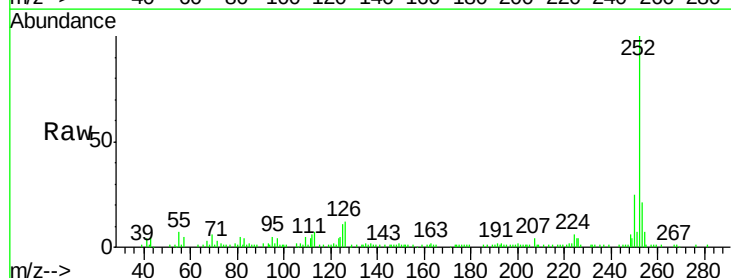


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

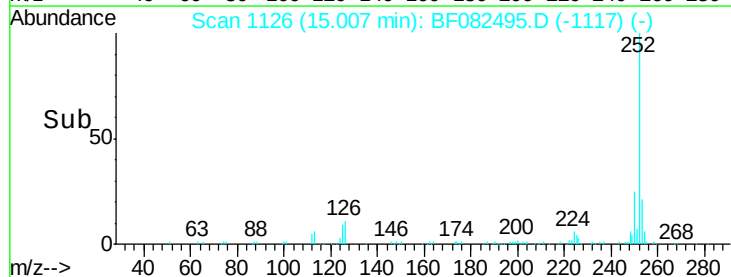
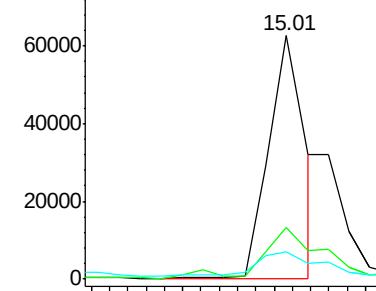


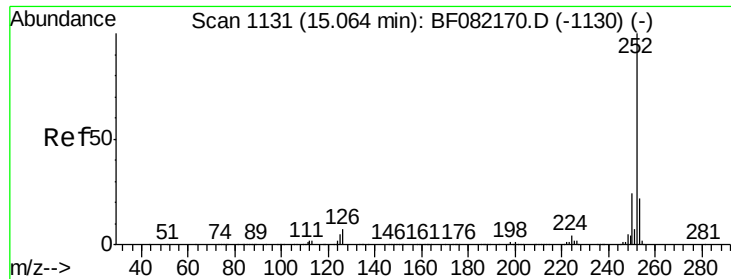
#87
Benzo(b)fluoranthene
Concen: 7.18 ng m
RT: 15.01 min Scan# 1126
Delta R.T. -0.19 min
Lab File: BF082495.D
Acq: 24 Oct 2015 6:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.0	27.0
125	11.3	8.6	12.8



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





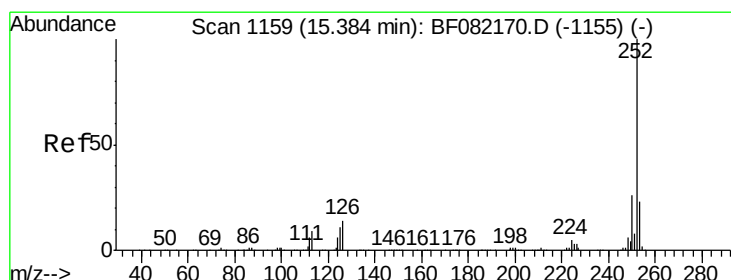
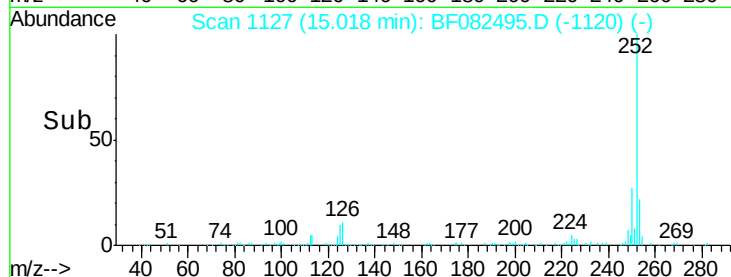
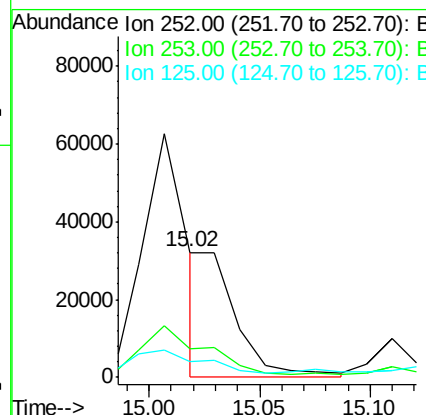
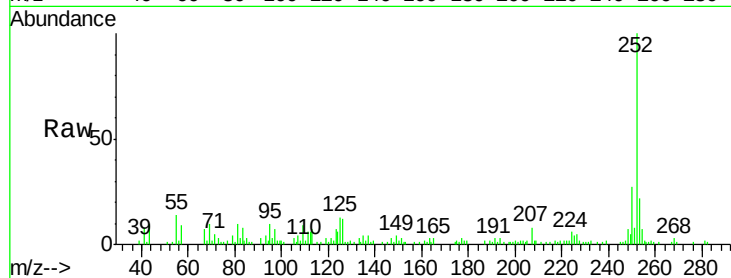
#88
Benzo(k)fluoranthene
Concen: 3.50 ng m
RT: 15.02 min Scan# 1127
Delta R.T. -0.22 min
Lab File: BF082495.D
Acq: 24 Oct 2015 6:17

Instrument :
BNA_F
ClientSampleId :
NB3-01(0-2)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	13.0	6.7	10.1

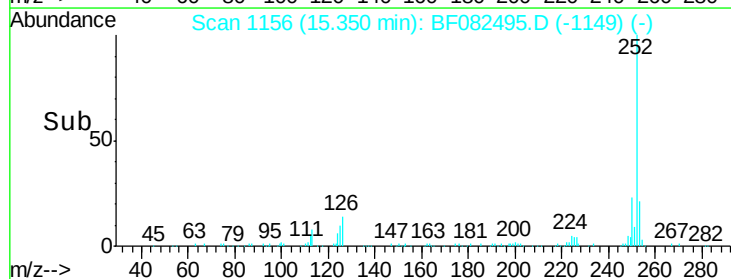
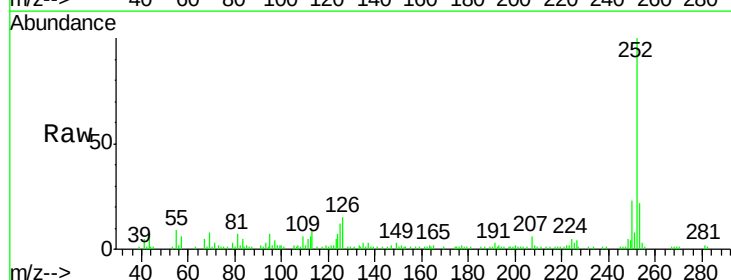
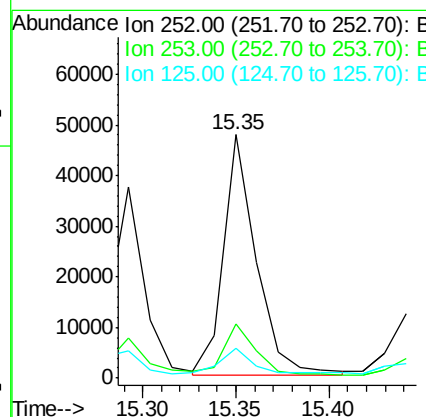
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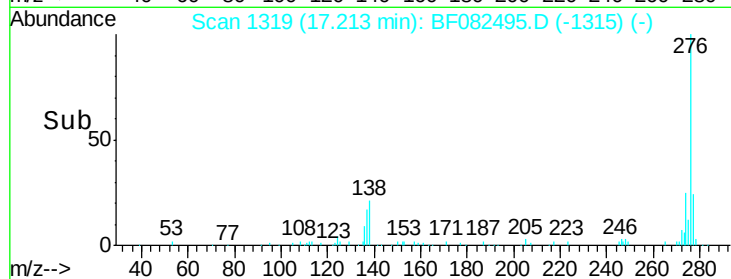
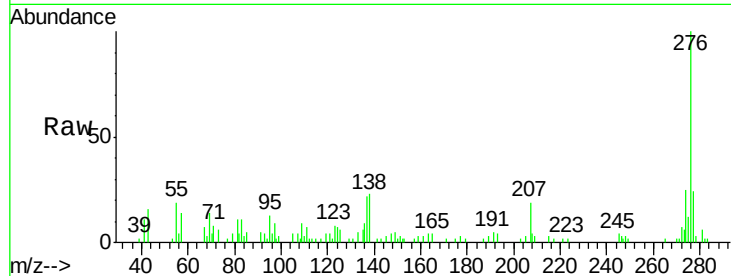
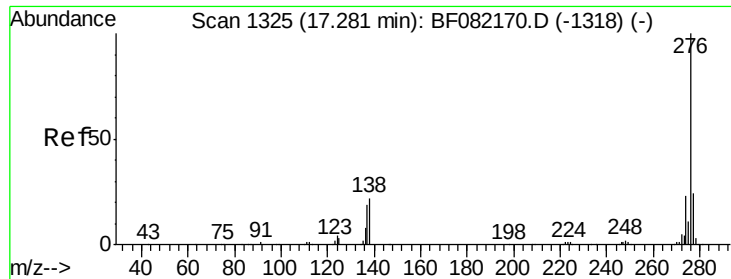
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#89
Benzo(a)pyrene
Concen: 5.69 ng
RT: 15.35 min Scan# 1156
Delta R.T. -0.22 min
Lab File: BF082495.D
Acq: 24 Oct 2015 6:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	12.5	8.9	13.3





#91

Benzo(g,h,i)perylene

Concen: 5.13 ng

RT: 17.21 min Scan# 1319

Delta R.T. -0.25 min

Lab File: BF082495.D

Acq: 24 Oct 2015 6:17

Instrument :

BNA_F

ClientSampleId :

NB3-01(0-2)

Tgt Ion:	276	Resp:	42142
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.8	28.2
138	23.4	17.4	26.2

Manual Integrations
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