

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
 Data File : BF083025.D
 Acq On : 18 Nov 2015 23:23
 Operator : UM/IZ
 Sample : G4440-04 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V1S4

Manual Integrations
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Quant Time: Nov 19 07:13:13 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 18 13:32:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	109720m	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	442095	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	207808	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	322382	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	240235	20.00	ng	-0.01
86) Perylene-d12	15.27	264	225346	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	176832	25.08	ng	-0.01
7) Phenol-d6	6.37	99	230473	24.58	ng	-0.02
23) Nitrobenzene-d5	7.29	82	144214	14.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	37047	15.55	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	246483	17.00	ng	-0.01
78) Terphenyl-d14	12.83	244	181966	17.97	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.49	163	59610	3.50	ng	# 96
70) Phenanthrene	11.26	178	181050	9.67	ng	97
74) Fluoranthene	12.45	202	384059	19.12	ng	98
77) Pyrene	12.68	202	316267	19.17	ng	95
79) Butylbenzylphthalate	13.31	149	30043	4.12	ng	96
80) Benzo(a)anthracene	13.87	228	138509	9.22	ng	98
82) Chrysene	13.91	228	135063	9.82	ng	97
83) Bis(2-ethylhexyl)phthalate	13.88	149	258434	25.91	ng	98
85) Indeno(1,2,3-cd)pyrene	16.58	276	58820	4.96	ng	# 91
87) Benzo(b)fluoranthene	14.88	252	149946m	10.37	ng	
88) Benzo(k)fluoranthene	14.89	252	71592m	5.58	ng	
89) Benzo(a)pyrene	15.21	252	102709	8.20	ng	# 92
91) Benzo(g,h,i)perylene	16.97	276	59553	5.86	ng	# 95

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

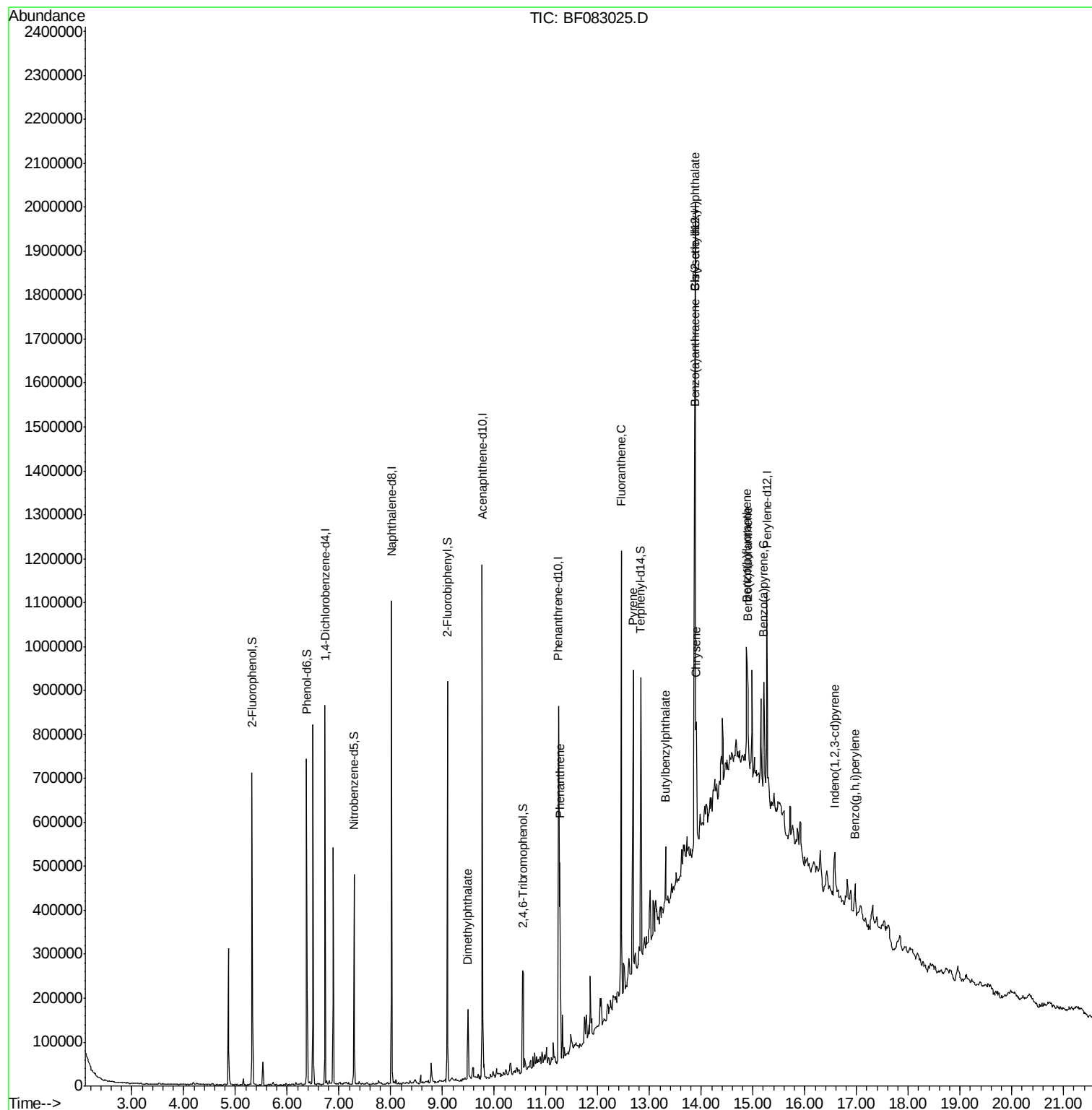
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083025.D
Acq On : 18 Nov 2015 23:23
Operator : UM/IZ
Sample : G4440-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

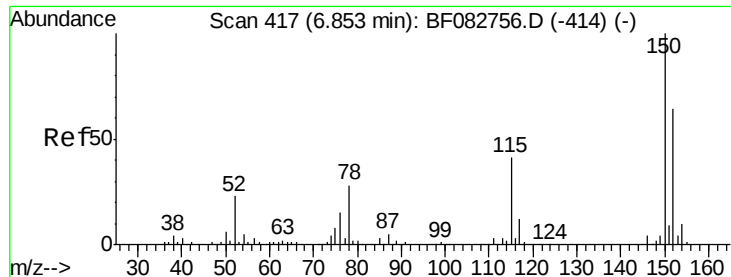
Instrument :
BNA_F
ClientSampleId :
V1S4

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
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#1

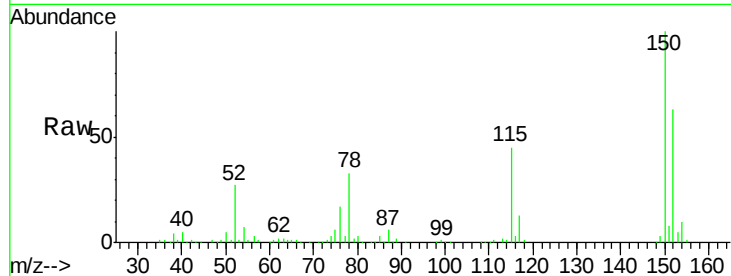
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.73 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Instrument :
BNA_F
ClientSampleId :
V1S4

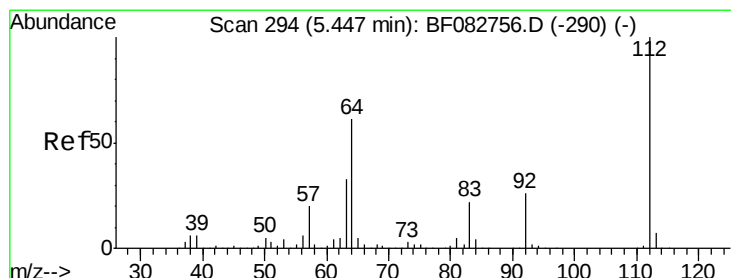
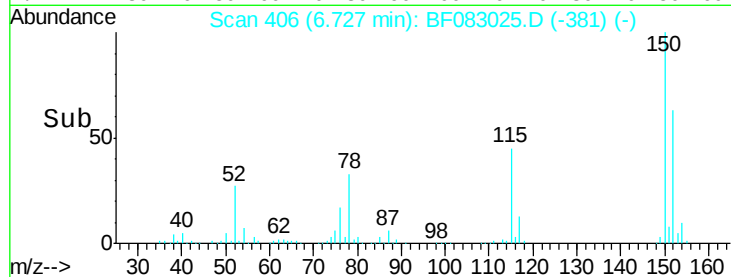
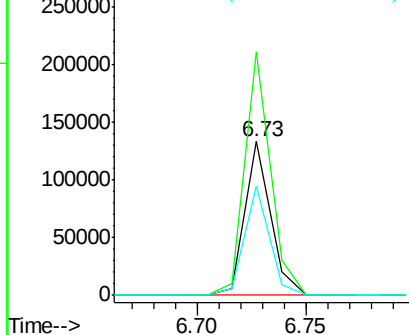
Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.3	127.0	190.4
115	71.0	47.0	70.6#

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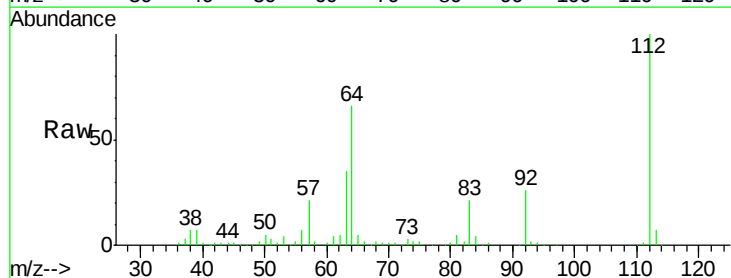
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



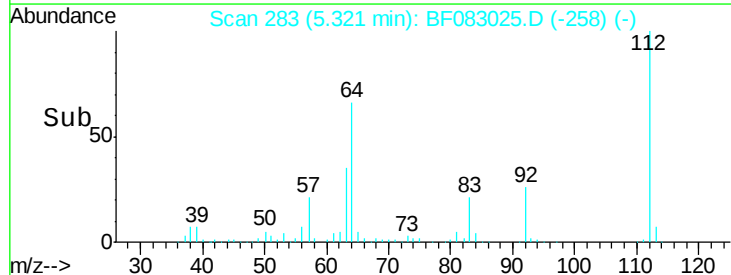
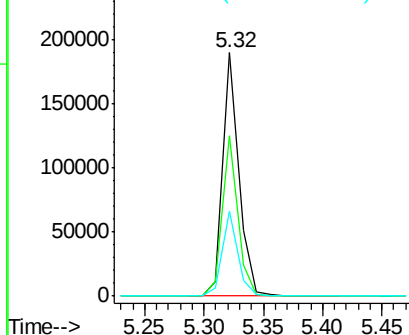
#5

2-Fluorophenol
Concen: 25.08 ng
RT: 5.32 min Scan# 283
Delta R.T. -0.01 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	48.9	73.3
63	34.6	28.1	42.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.58 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.02 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

Instrument :

BNA_F

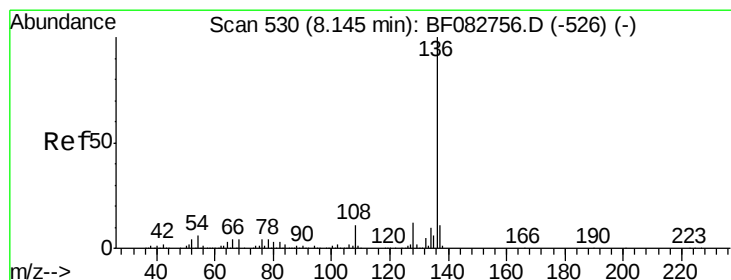
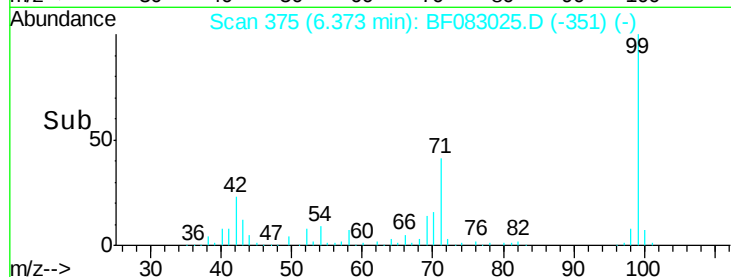
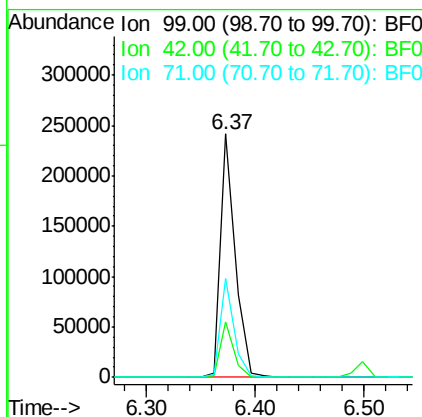
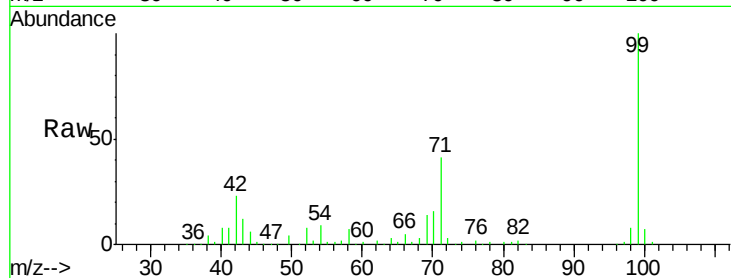
ClientSampleId :

V1S4

Tgt Ion	Ratio	Lower	Upper
99	100		
42	22.5	19.2	28.8
71	40.8	35.0	52.4

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#21

Naphthalene-d8

Concen: 20.00 ng

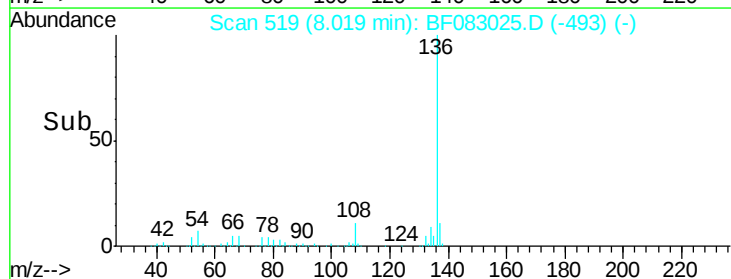
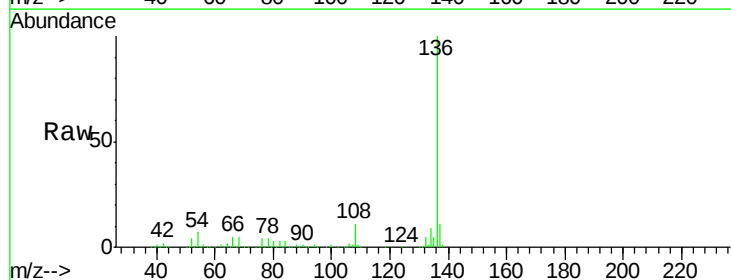
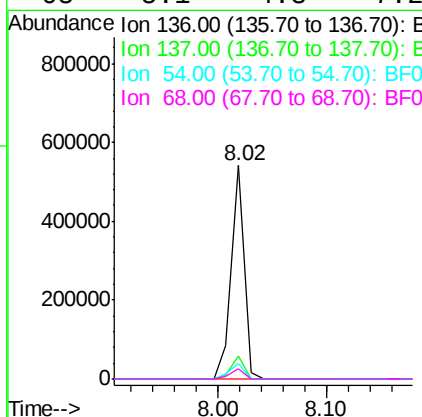
RT: 8.02 min Scan# 519

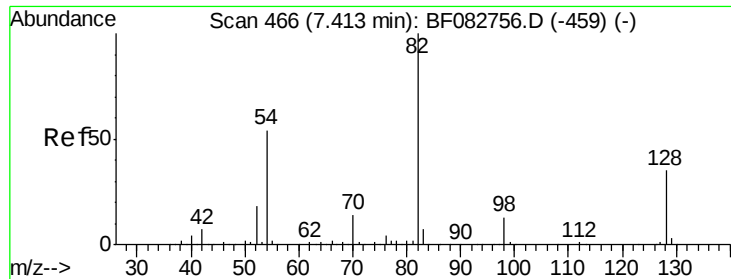
Delta R.T. 0.00 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	7.4	9.1	13.7
68	5.1	4.8	7.2





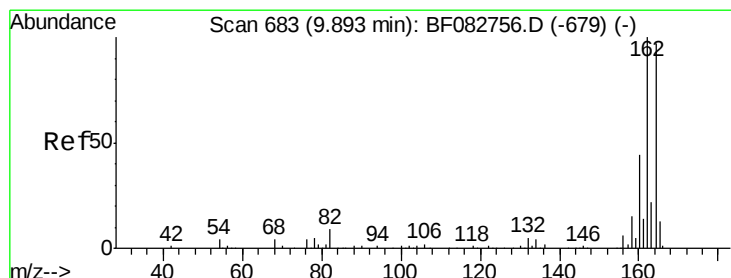
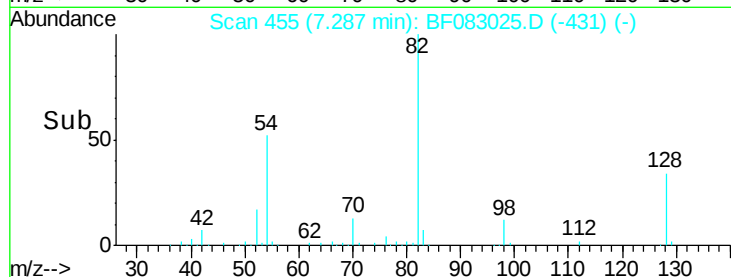
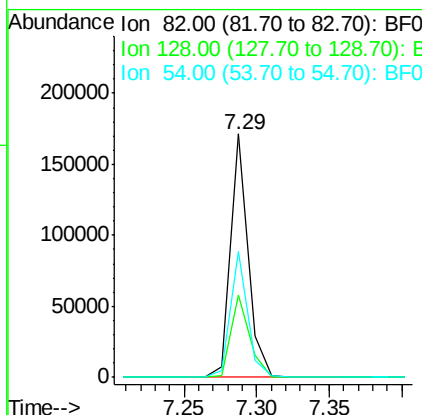
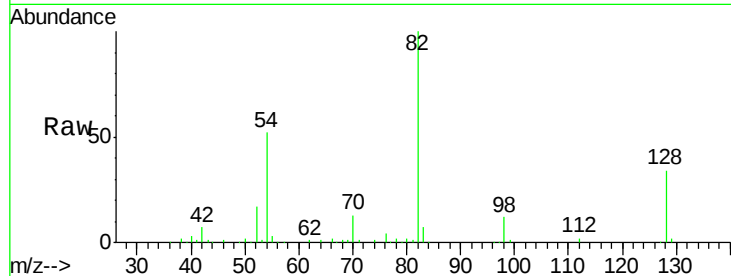
#23
Nitrobenzene-d5
Concen: 14.19 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Instrument :
BNA_F
ClientSampleId :
V1S4

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	144214		
128	33.8	26.8	40.2	
54	51.8	45.7	68.5	

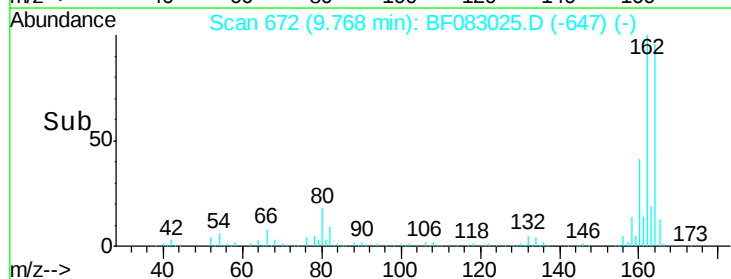
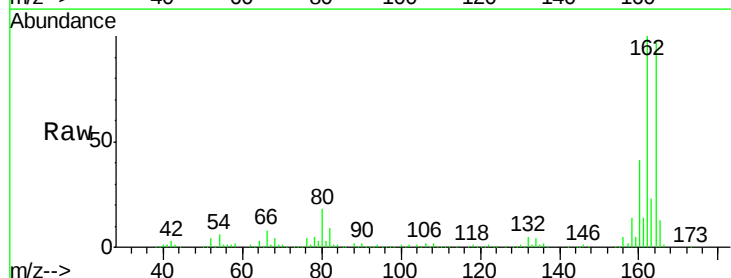
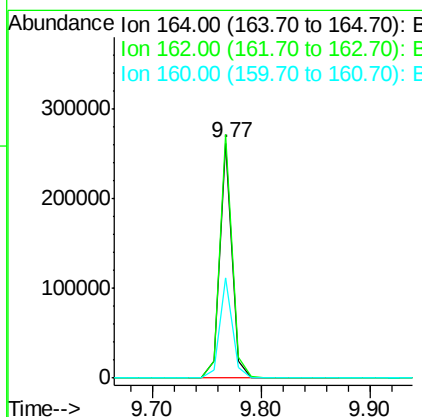
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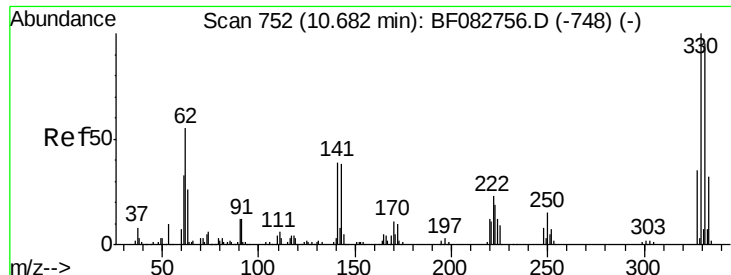
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.01 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	207808		
162	103.5	84.9	127.3	
160	42.9	37.5	56.3	





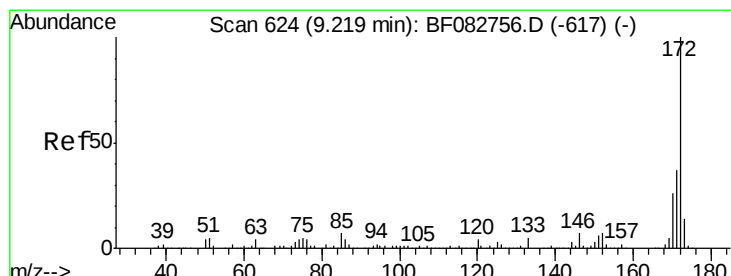
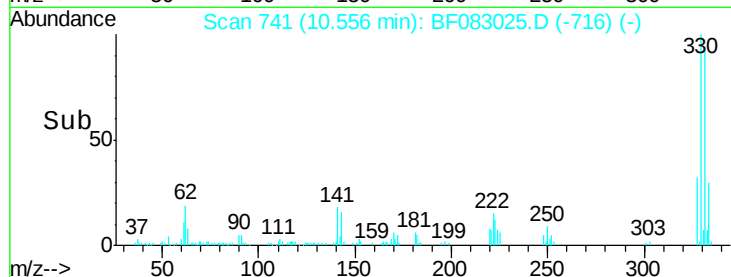
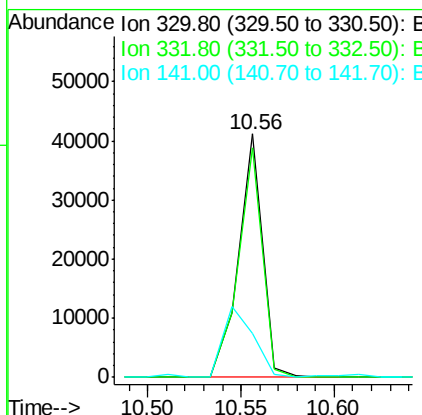
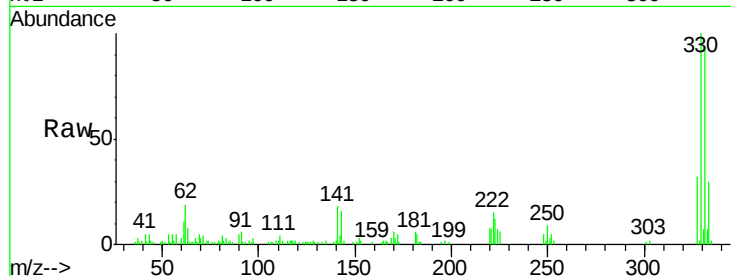
#41
 2,4,6-Tribromophenol
 Concen: 15.55 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF083025.D
 Acq: 18 Nov 2015 23:23

Instrument :
 BNA_F
 ClientSampleId :
 V1S4

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	37047		
332	94.7	76.6	114.8	
141	37.7	41.2	61.8#	

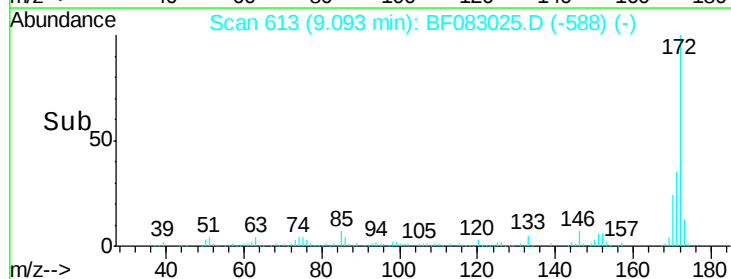
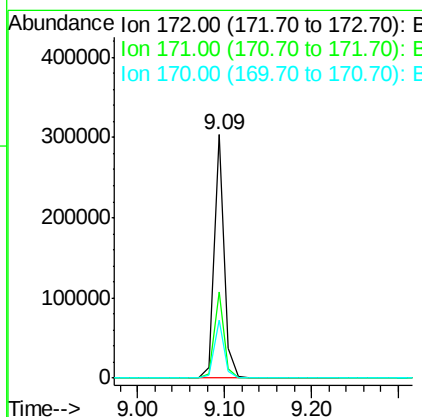
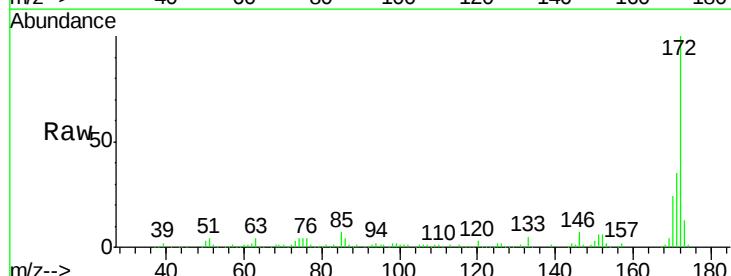
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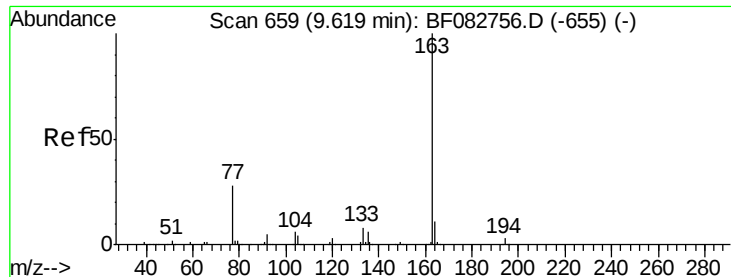
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#44
 2-Fluorobiphenyl
 Concen: 17.00 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF083025.D
 Acq: 18 Nov 2015 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	246483		
171	35.3	30.8	46.2	
170	23.7	21.2	31.8	





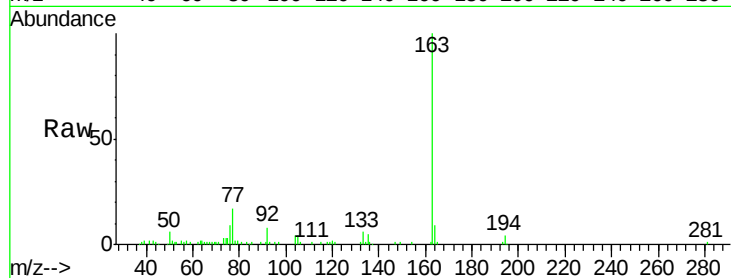
#49
Dimethylphthalate
Concen: 3.50 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Instrument :
BNA_F
ClientSampleId :
V1S4

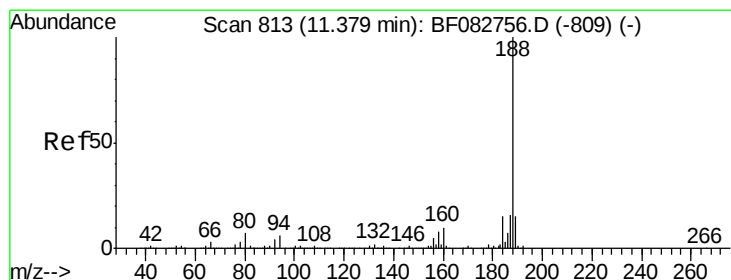
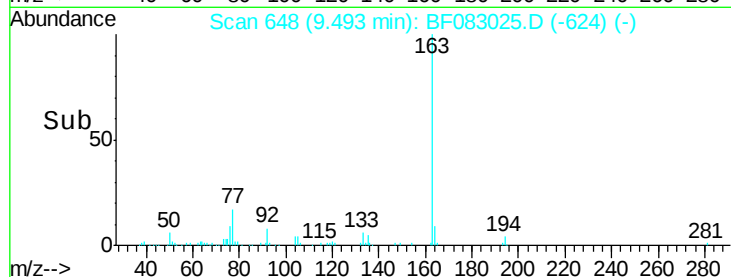
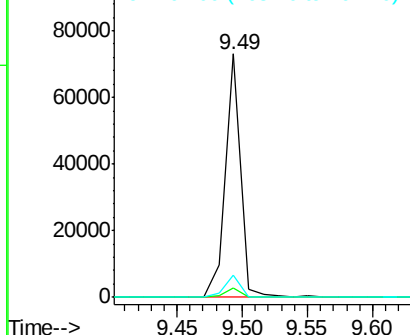
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.0	2.6	4.0#
164	9.3	8.7	13.1

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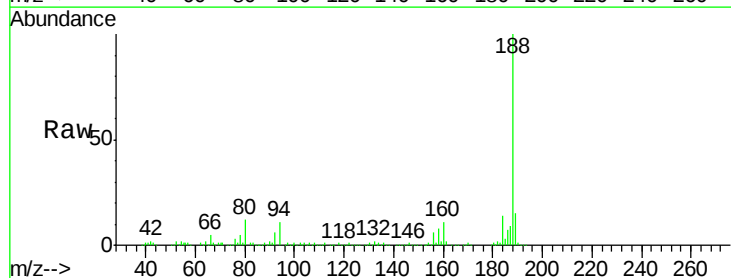


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

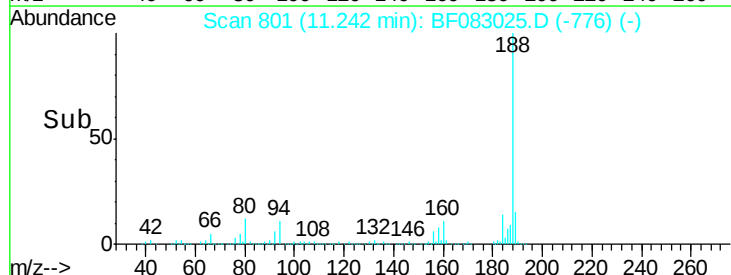
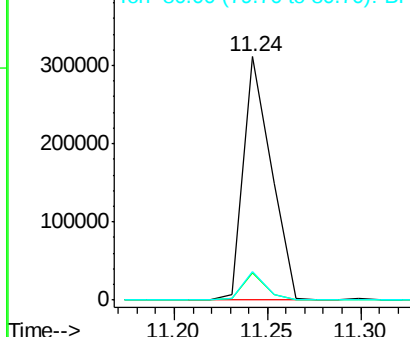


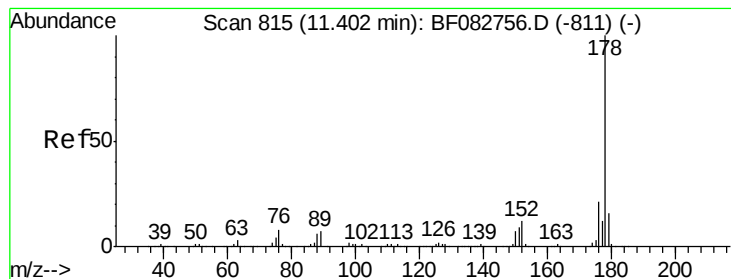
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.1	6.1	9.1#
80	12.0	7.0	10.6#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 9.67 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

Instrument :

BNA_F

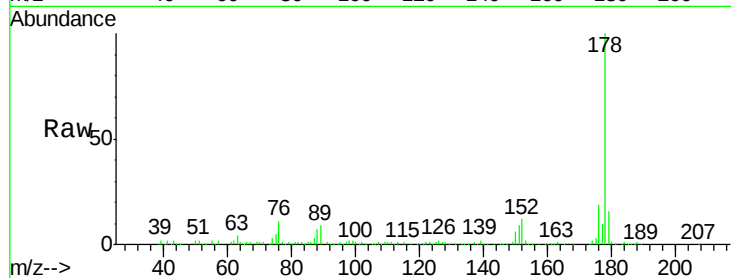
ClientSampleId :

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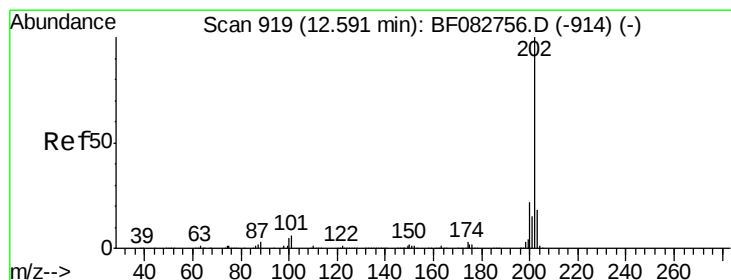
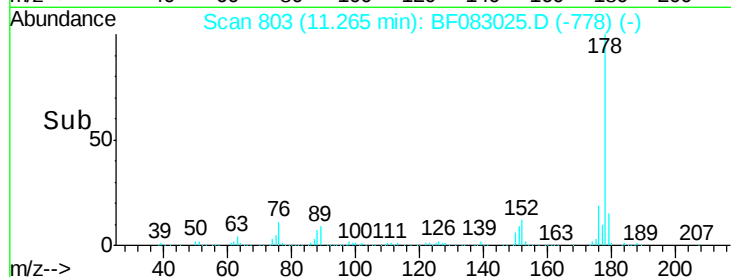
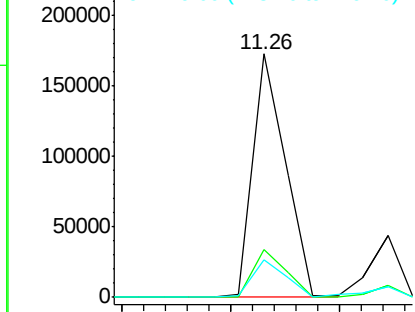
Tgt Ion:	178	Resp:	181050
Ion Ratio	Lower	Upper	
178	100		
176	19.4	17.0	25.4
179	15.5	13.4	20.0

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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



#74

Fluoranthene

Concen: 19.12 ng

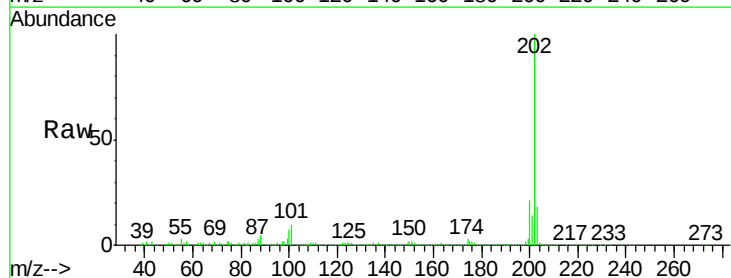
RT: 12.45 min Scan# 907

Delta R.T. -0.01 min

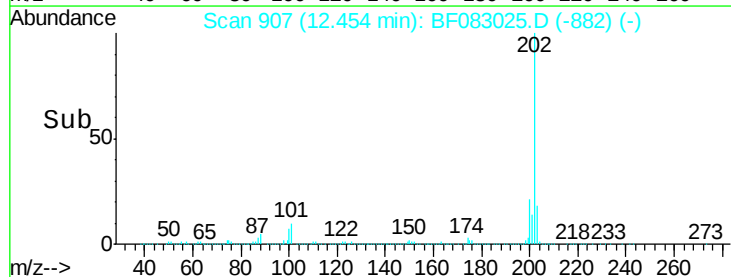
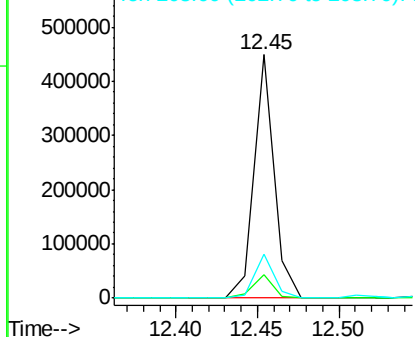
Lab File: BF083025.D

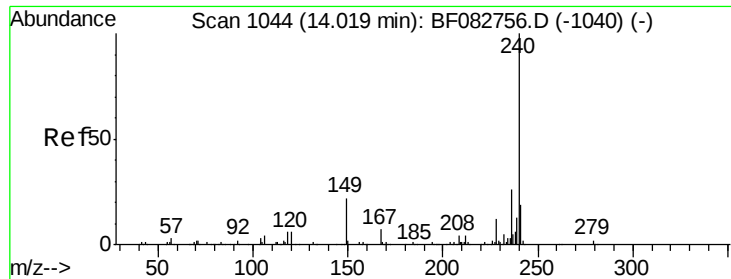
Acq: 18 Nov 2015 23:23

Tgt Ion:	202	Resp:	384059
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	30.5
203	18.0	0.0	38.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

Instrument :

BNA_F

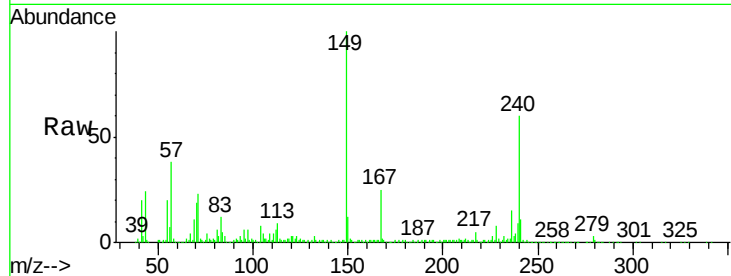
ClientSampleId :

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Tgt Ion:	240	Resp:	240235
Ion Ratio	Lower	Upper	
240	100		
120	5.1	10.9	16.3#
236	24.6	21.6	32.4

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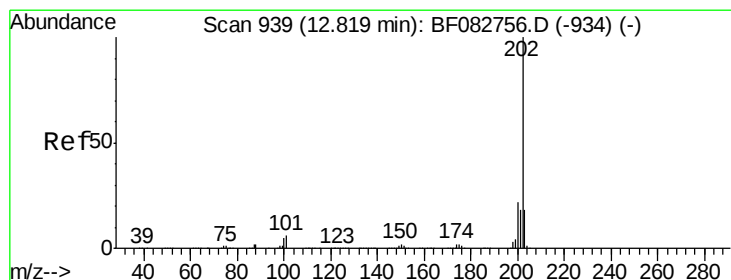
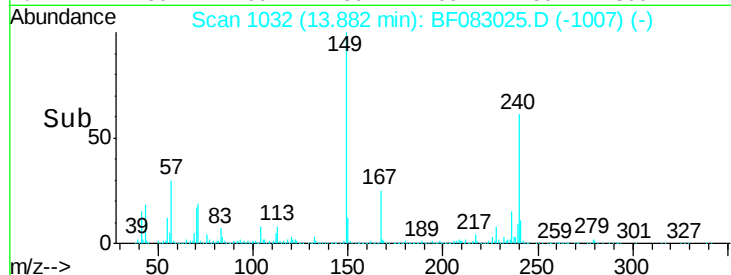
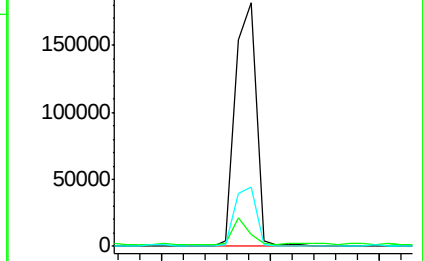
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 19.17 ng

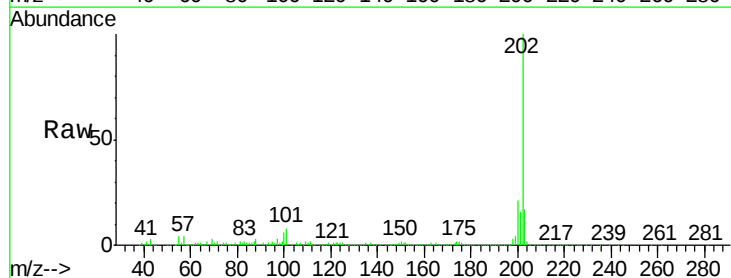
RT: 12.68 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

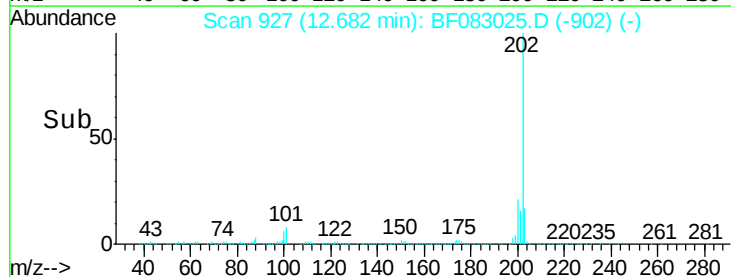
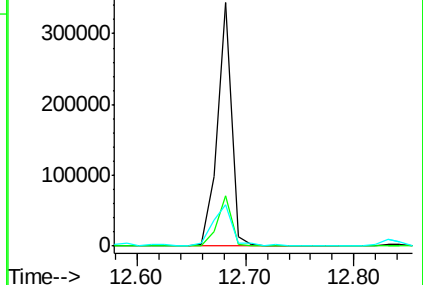
Tgt Ion:	202	Resp:	316267
Ion Ratio	Lower	Upper	
202	100		
200	20.7	18.7	28.1
203	17.0	14.8	22.2

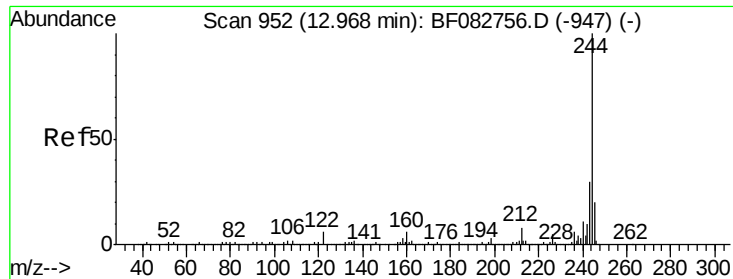


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 17.97 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

Instrument :

BNA_F

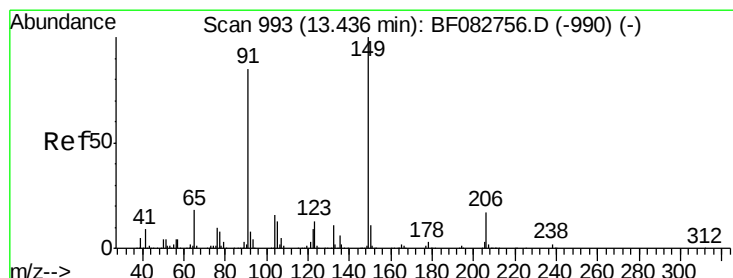
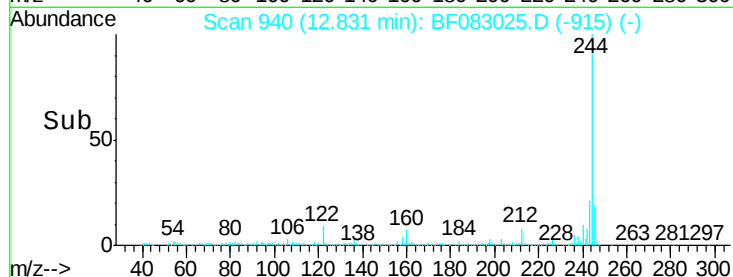
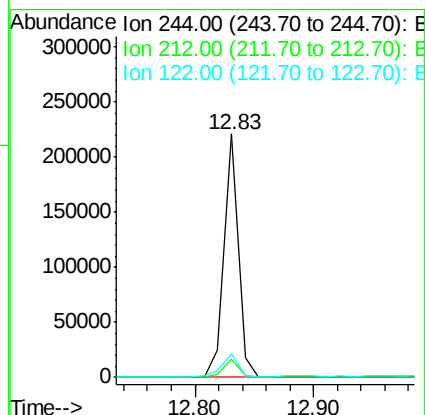
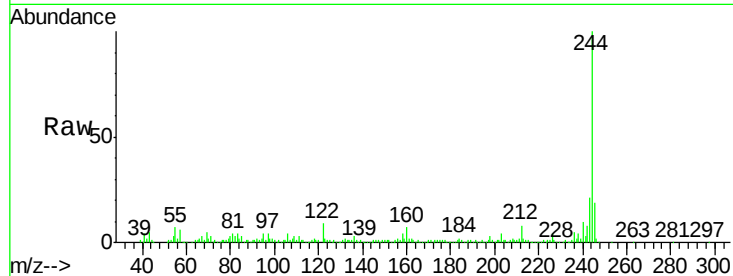
ClientSampleId :

V1S4

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	181966		
212	7.7	7.6	11.4	
122	9.4	11.3	16.9#	

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#79

Butylbenzylphthalate

Concen: 4.12 ng

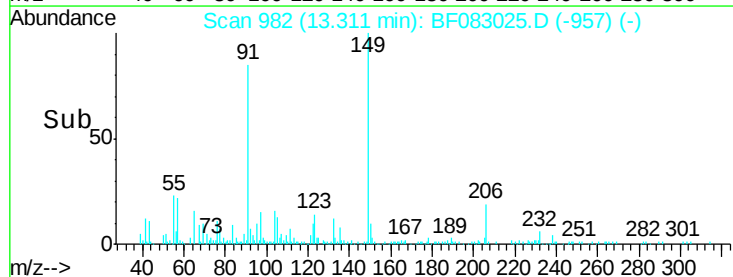
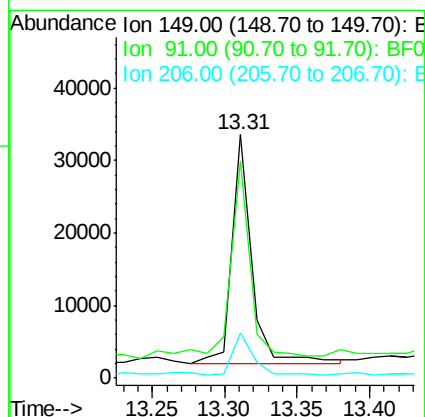
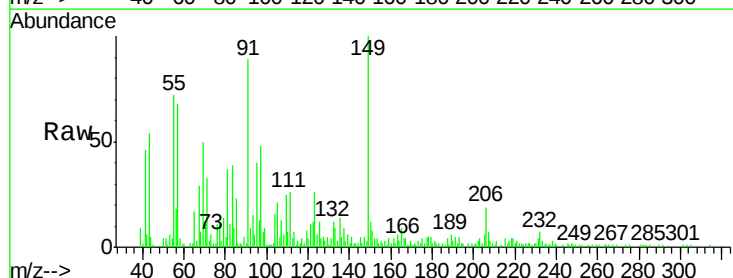
RT: 13.31 min Scan# 982

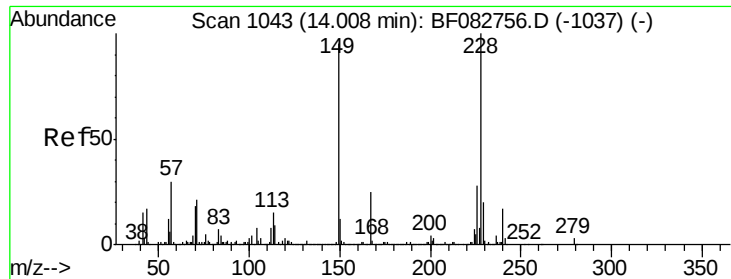
Delta R.T. -0.01 min

Lab File: BF083025.D

Acq: 18 Nov 2015 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	30043		
91	88.9	67.7	101.5	
206	18.8	14.6	22.0	





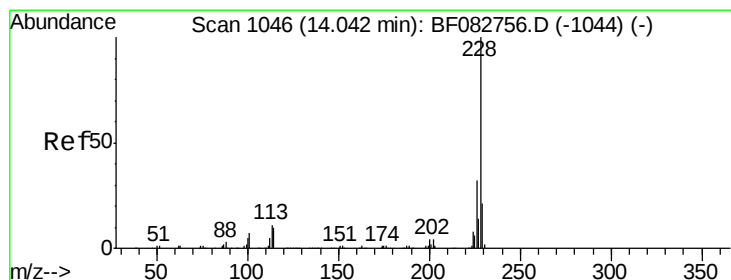
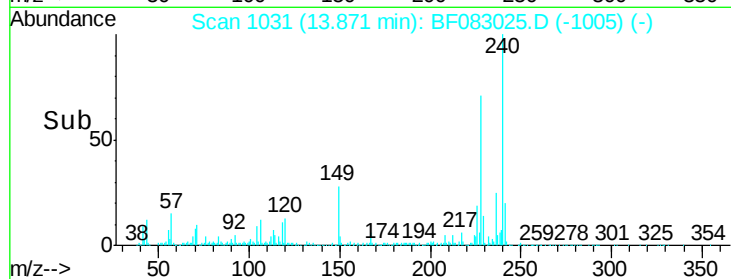
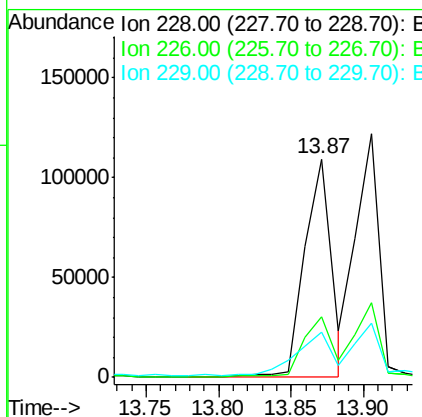
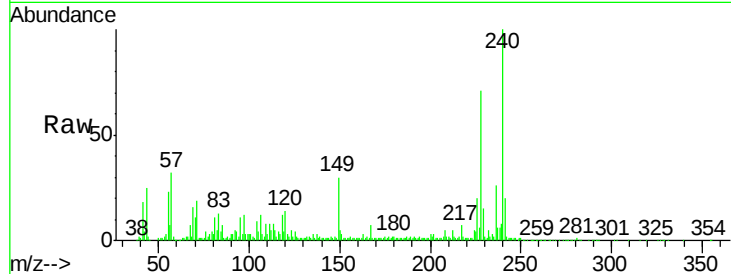
#80
Benzo(a)anthracene
Concen: 9.22 ng
RT: 13.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Instrument :
BNA_F
ClientSampleId :
V1S4

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	23.4	35.2
229	20.6	16.3	24.5

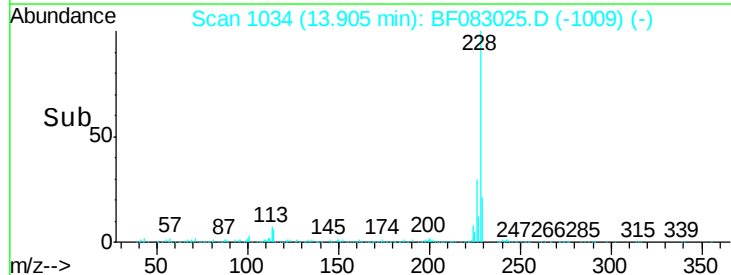
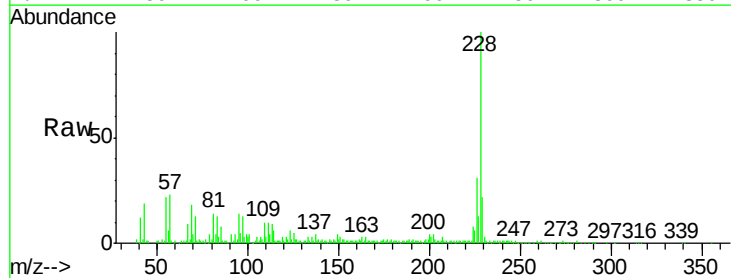
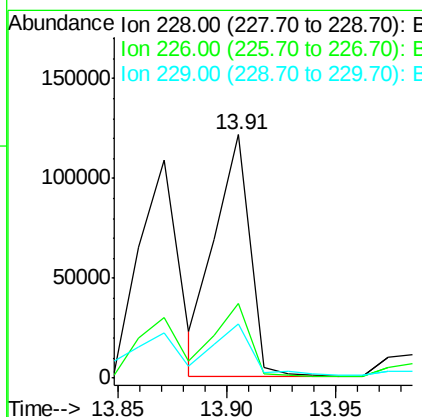
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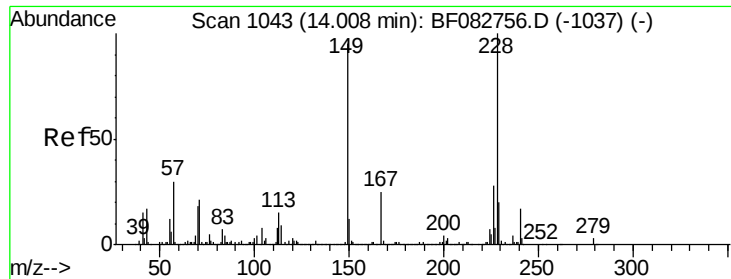
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#82
Chrysene
Concen: 9.82 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.5	38.3
229	22.3	16.3	24.5





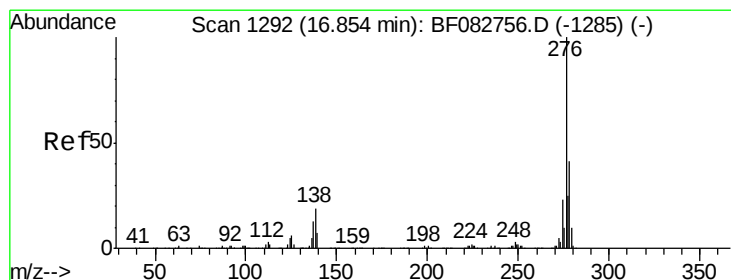
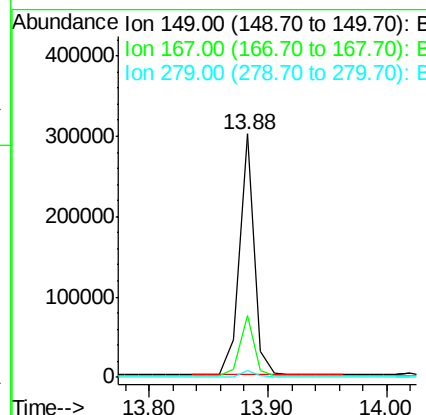
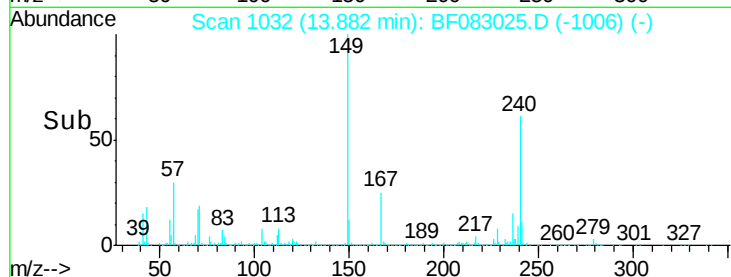
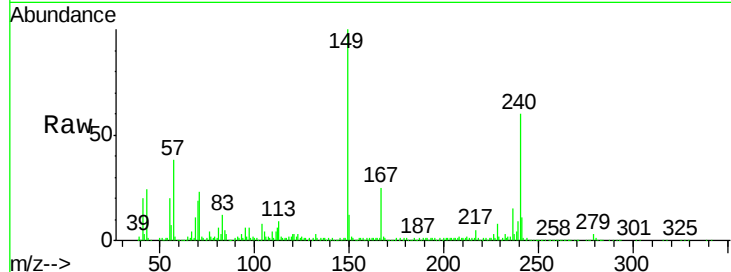
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 25.91 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BF083025.D
 Acq: 18 Nov 2015 23:23

Instrument :
 BNA_F
 ClientSampleId :
 V1S4

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	258434		
167	25.3	21.2	31.8	
279	2.6	2.2	3.2	

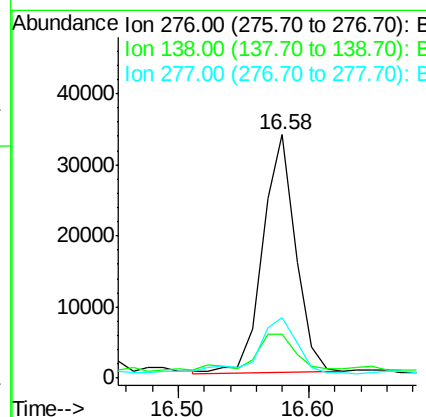
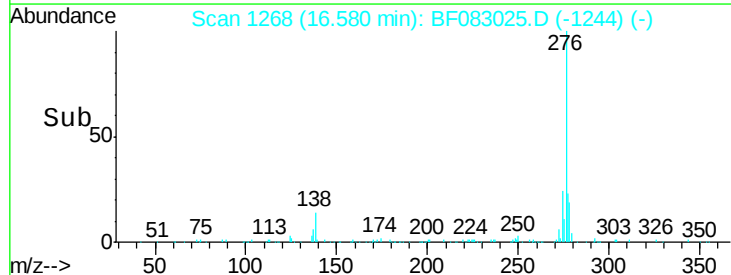
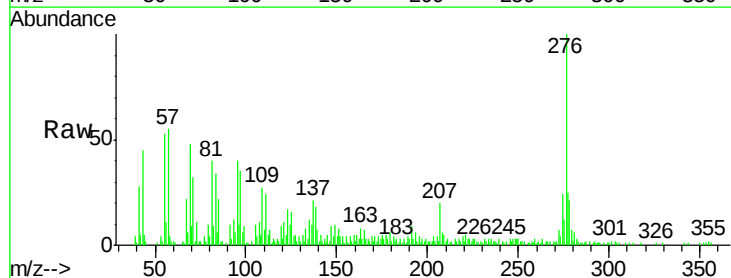
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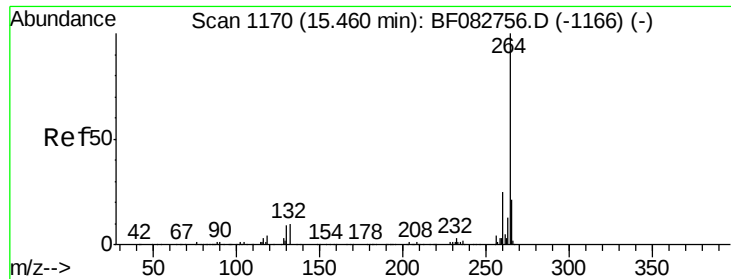
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.96 ng
 RT: 16.58 min Scan# 1268
 Delta R.T. -0.02 min
 Lab File: BF083025.D
 Acq: 18 Nov 2015 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	58820		
138	20.1	15.3	22.9	
277	32.0	20.2	30.4	





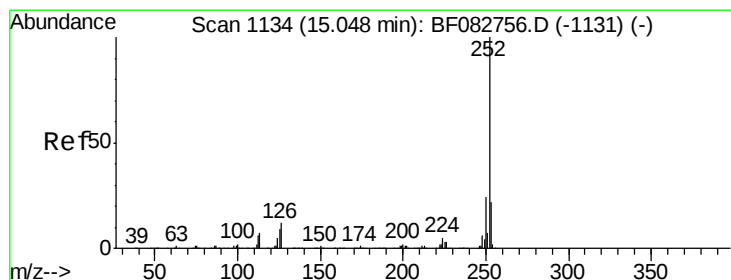
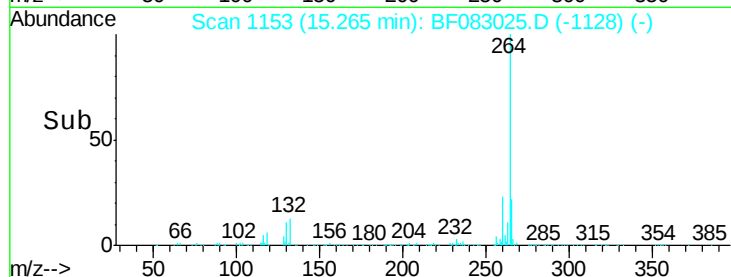
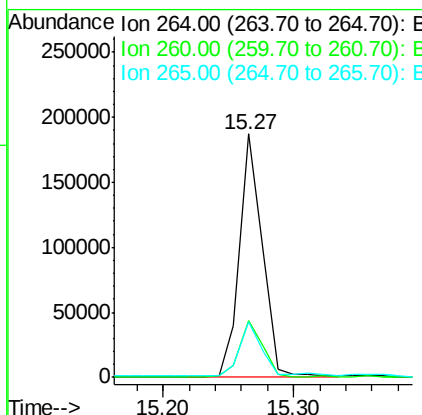
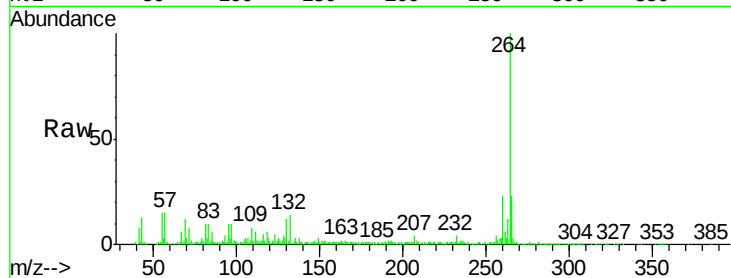
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Instrument :
BNA_F
ClientSampleId :
V1S4

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	225346		
260	23.2	19.8	29.6	
265	22.7	17.4	26.0	

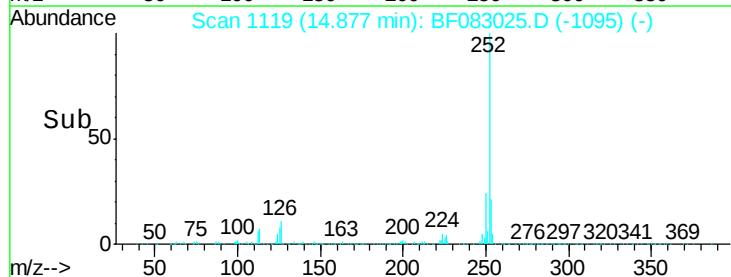
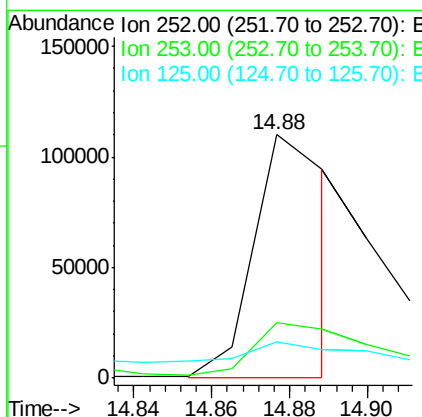
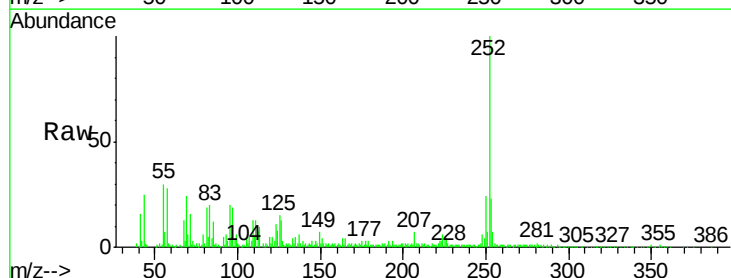
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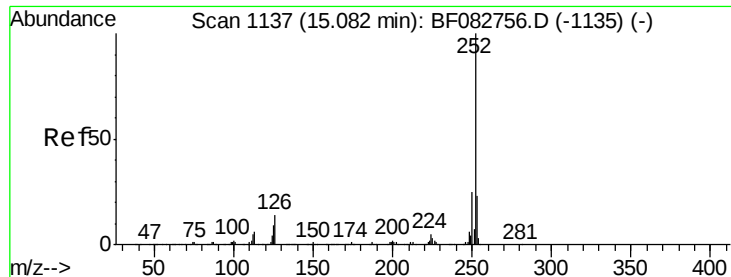
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#87
Benzo(b)fluoranthene
Concen: 10.37 ng m
RT: 14.88 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	149946		
253	22.6	17.8	26.8	
125	15.0	5.4	8.2#	





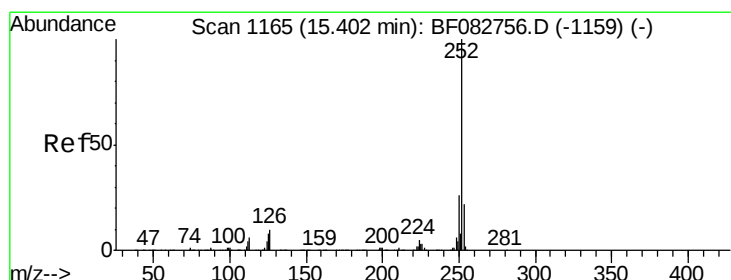
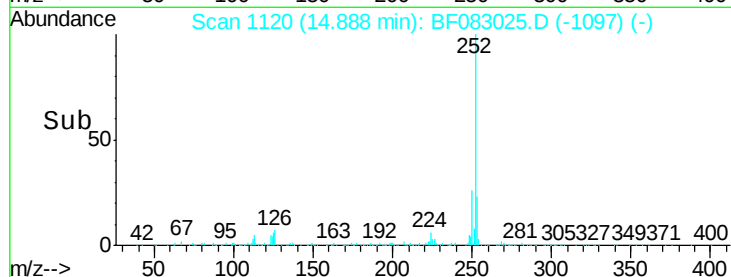
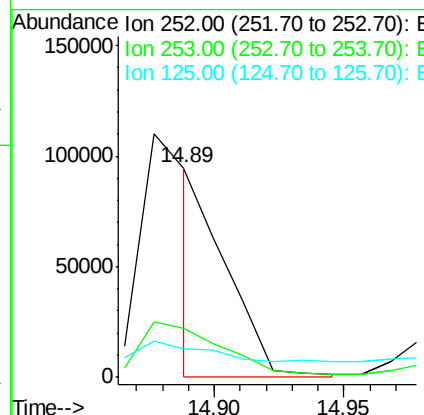
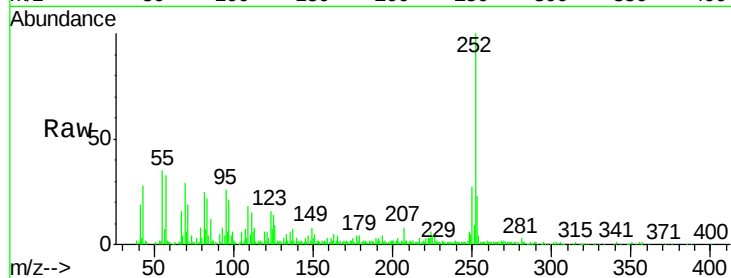
#88
Benzo(k)fluoranthene
Concen: 5.58 ng m
RT: 14.89 min Scan# 1120
Delta R.T. -0.03 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Instrument :
BNA_F
ClientSampleId :
V1S4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	13.7	3.5	5.3

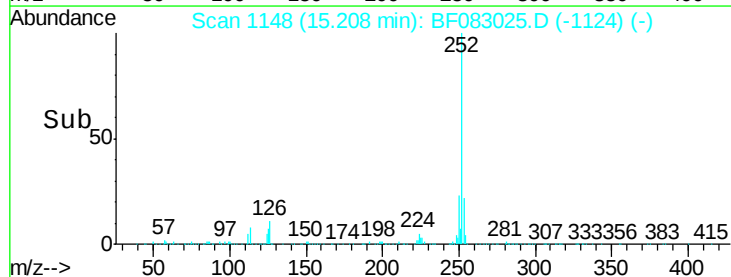
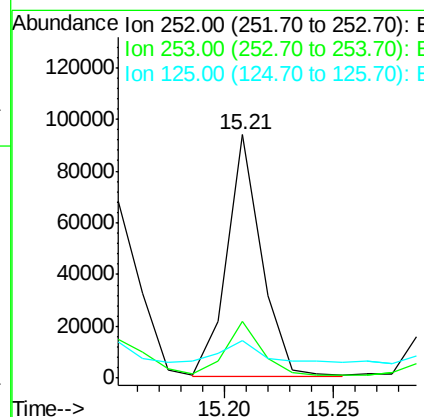
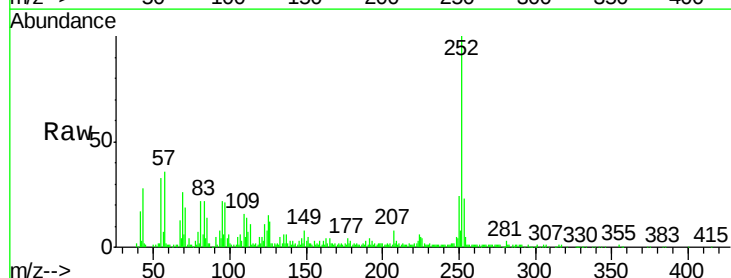
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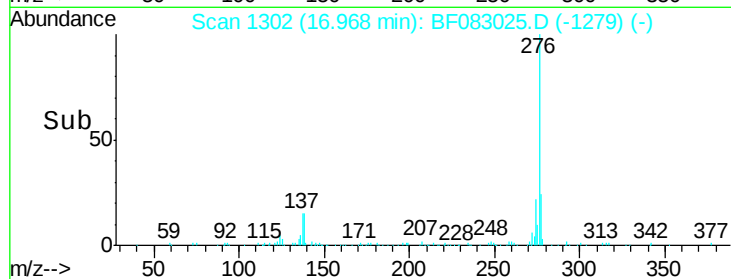
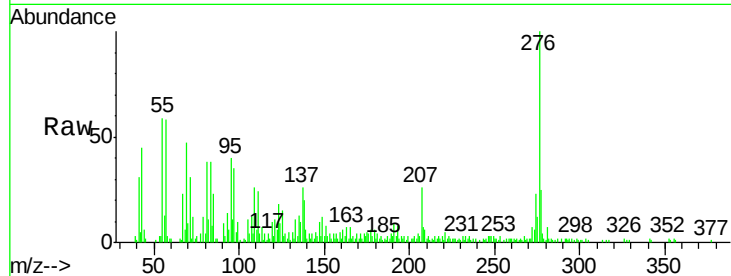
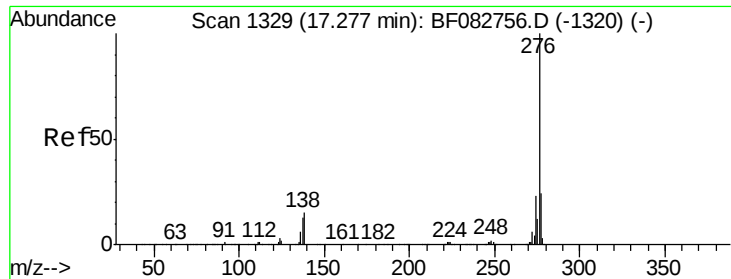
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#89
Benzo(a)pyrene
Concen: 8.20 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF083025.D
Acq: 18 Nov 2015 23:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	15.2	7.1	10.7





#91
 Benzo(g,h,i)perylene
 Concen: 5.86 ng
 RT: 16.97 min Scan# 1302
 Delta R.T. -0.03 min
 Lab File: BF083025.D
 Acq: 18 Nov 2015 23:23

Instrument :
 BNA_F
 ClientSampleId :
 V1S4

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	25.3	19.2	28.8
138	19.8	13.1	19.7

Manual Integrations
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