

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
 Data File : BF096466.D
 Acq On : 4 Jul 2017 4:09
 Operator : SJ/MA
 Sample : I3928-02DL 100X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q7-BASEDL

Manual Integrations
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mohammad
 7/5/2017 11:42:10 AM

Quant Time: Jul 04 05:34:39 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	85761	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	318612	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	117103	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	190911	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	182419	20.00	ng	-0.01
86) Perylene-d12	15.28	264	120446	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	5727	0.99	ng	-0.02
7) Phenol-d6	6.36	99	7397	1.04	ng	-0.02
23) Nitrobenzene-d5	7.28	82	2710	0.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	670	0.73	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	6153	0.90	ng	-0.02
78) Terphenyl-d14	12.82	244	5355	0.63	ng	-0.01
Target Compounds						
31) Naphthalene	8.03	128	47996	3.191	ng	Qvalue 99
37) 2-Methylnaphthalene	8.72	142	90329	9.434	ng	97
51) Acenaphthene	9.79	154	23503	3.218	ng	97
57) Fluorene	10.30	166	27392	4.022	ng	# 97
70) Phenanthrene	11.26	178	428078	41.480	ng	98
71) Anthracene	11.32	178	99634	9.474	ng	96
74) Fluoranthene	12.45	202	292766	28.934	ng	98
77) Pyrene	12.67	202	439655	30.026	ng	99
80) Benzo(a)anthracene	13.86	228	175301	16.595	ng	99
82) Chrysene	13.90	228	189058	17.090	ng	96
85) Indeno(1,2,3-cd)pyrene	16.64	276	25041	2.868	ng	97
87) Benzo(b)fluoranthene	14.88	252	77918m	10.324	ng	
88) Benzo(k)fluoranthene	14.90	252	18830m	2.789	ng	
89) Benzo(a)pyrene	15.22	252	65194	9.676	ng	96
91) Benzo(g,h,i)perylene	17.05	276	25587	4.658	ng	# 89

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

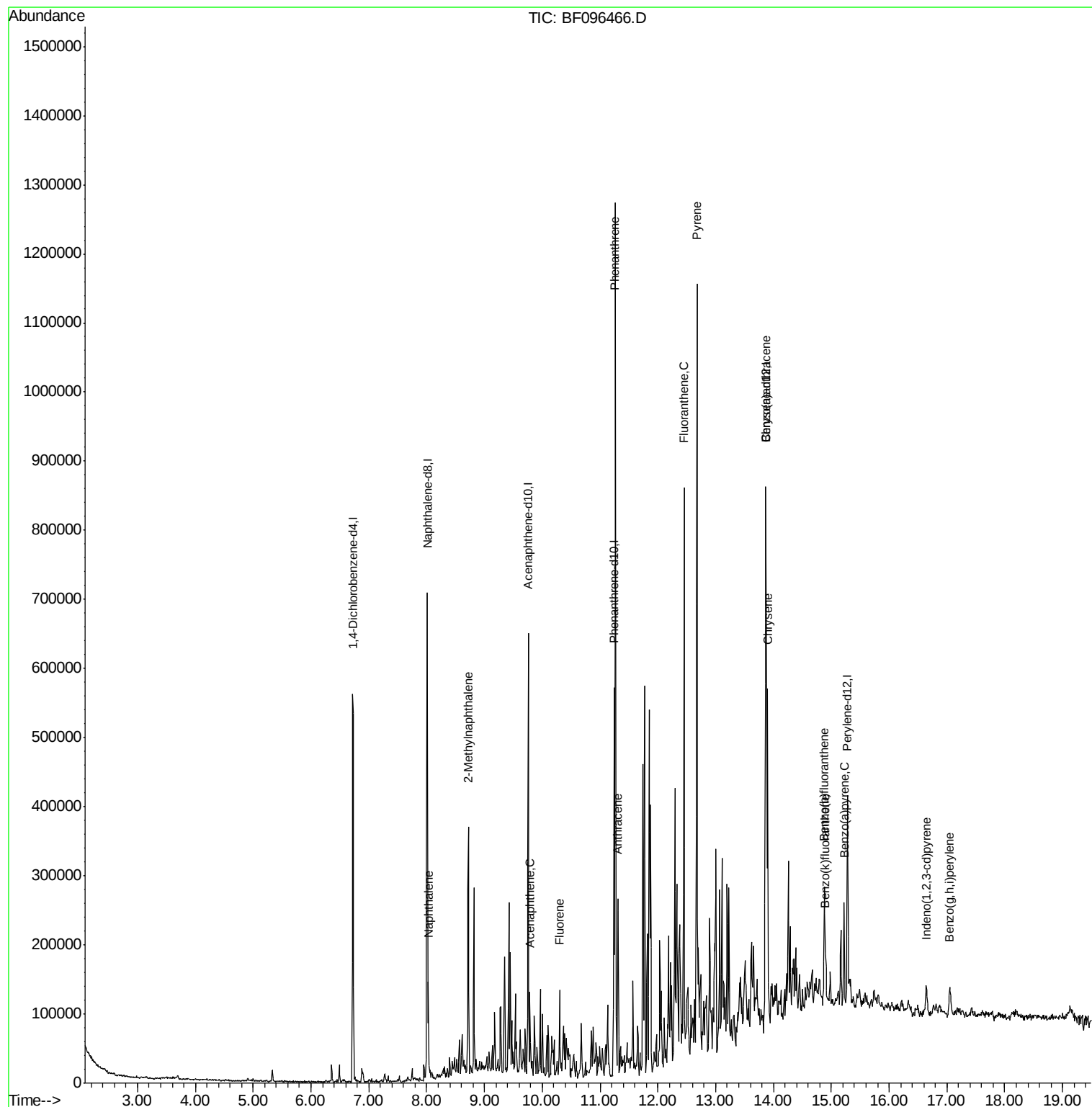
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
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ALS Vial : 35 Sample Multiplier: 1

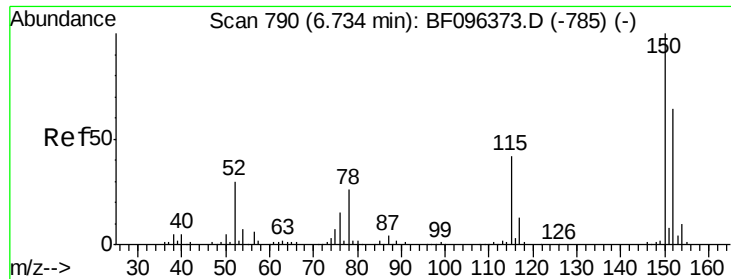
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#1

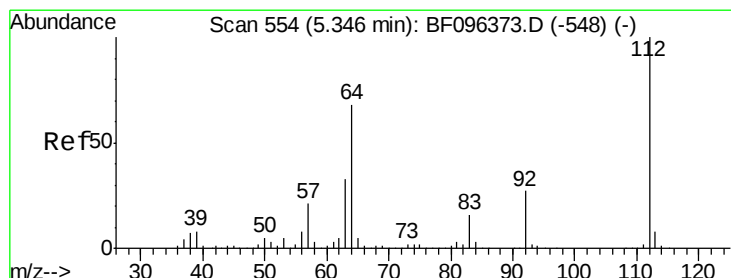
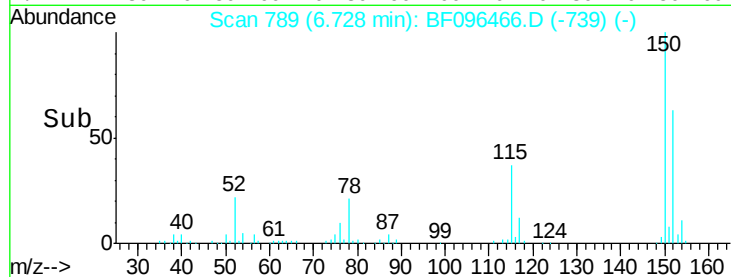
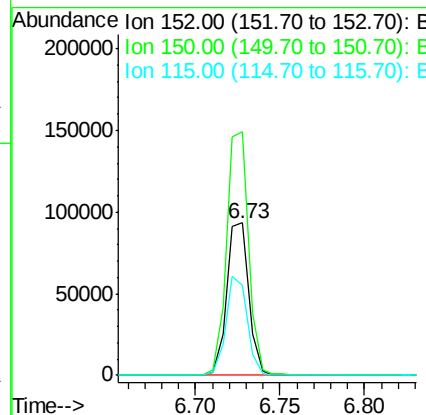
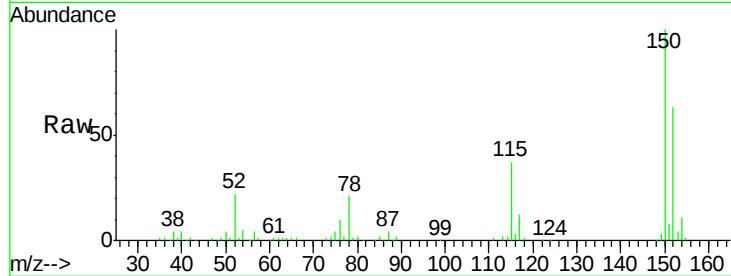
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :
E2-Q7-BASEDL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	85761		
150	159.8	126.2	189.2	
115	58.9	52.2	78.2	

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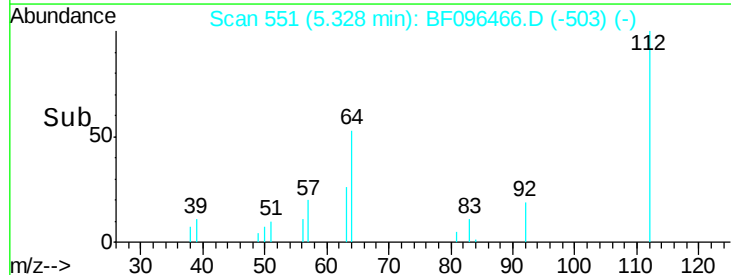
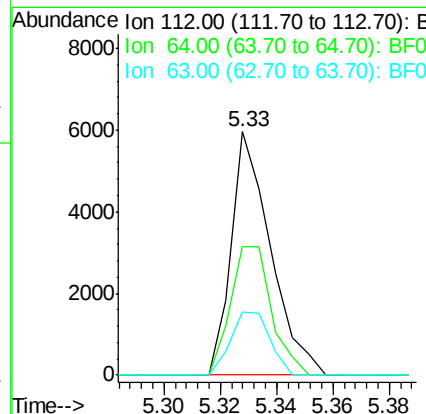
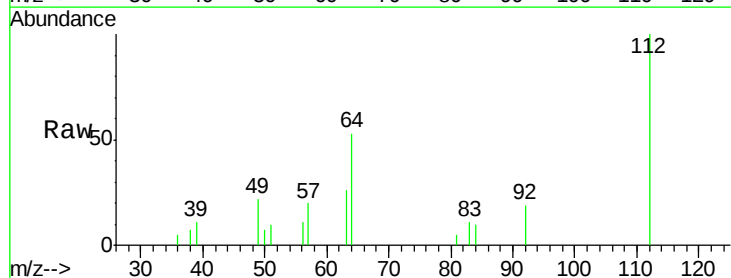
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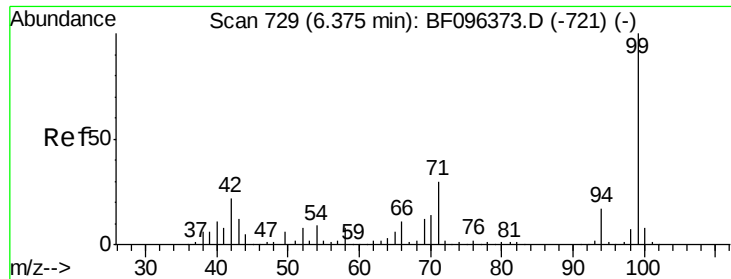


#5

2-Fluorophenol
Concen: 0.986 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	5727		
64	52.8	46.0	69.0	
63	25.9	23.4	35.0	





#7

Phenol-d6

Concen: 1.036 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF096466.D

Acq: 4 Jul 2017 4:09

Instrument :

BNA_F

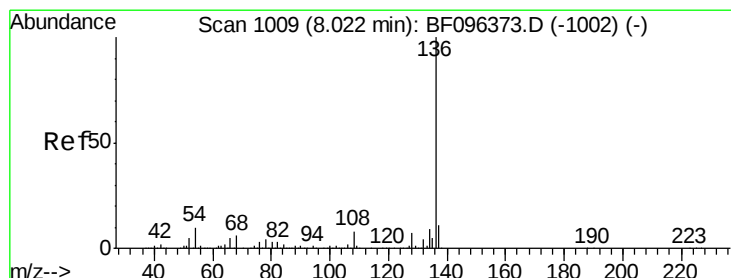
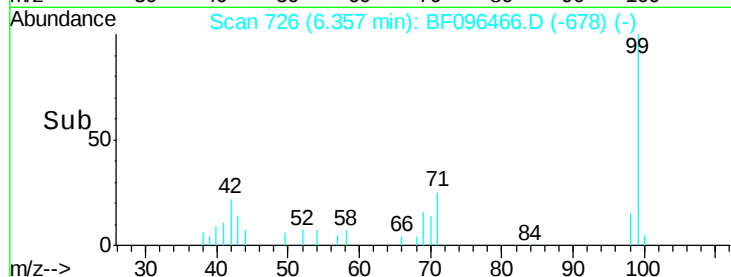
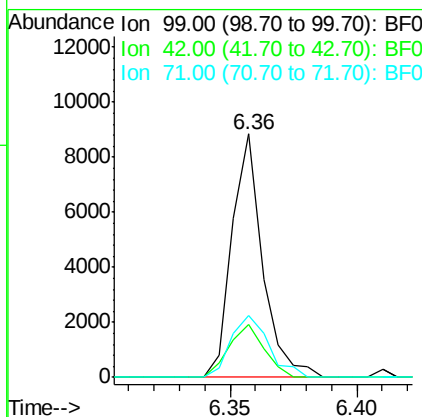
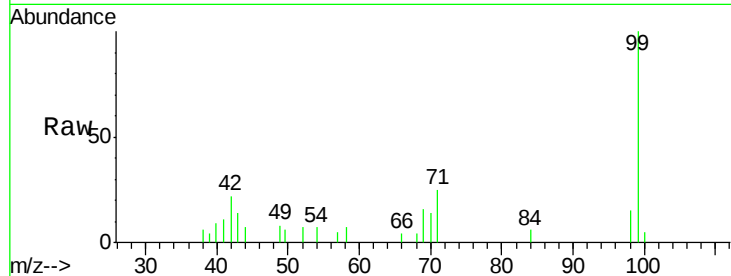
ClientSampleId :

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Tgt Ion:	99	Resp:	7397
Ion Ratio	Lower	Upper	
99	100		
42	21.9	13.5	20.3#
71	25.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

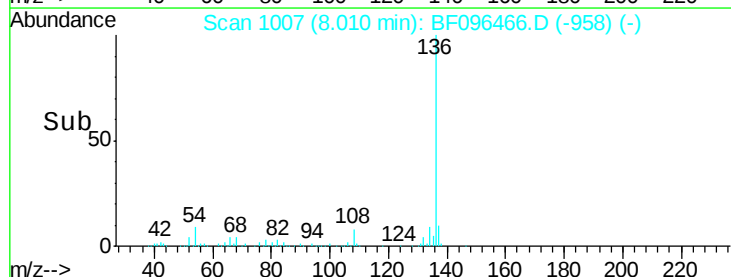
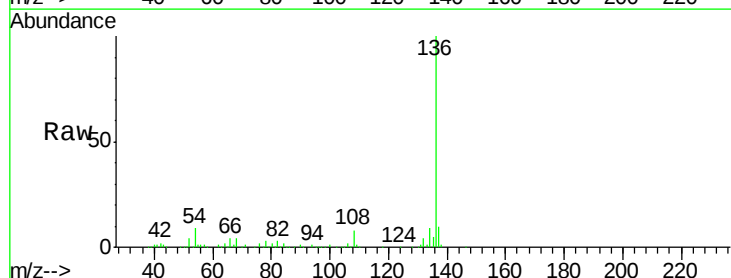
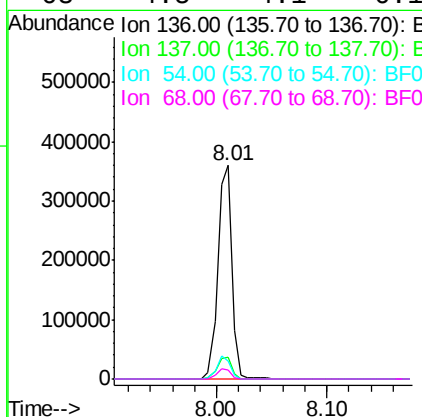
RT: 8.01 min Scan# 1007

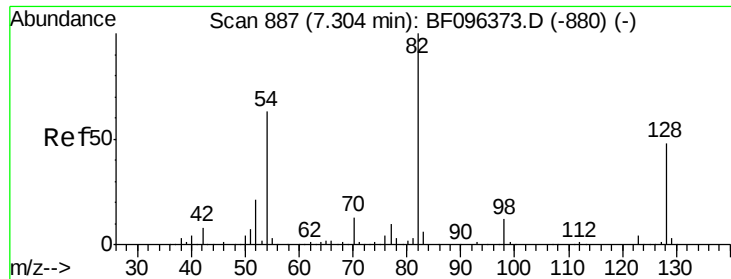
Delta R.T. -0.01 min

Lab File: BF096466.D

Acq: 4 Jul 2017 4:09

Tgt Ion:	136	Resp:	318612
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.5	12.7
54	8.6	4.9	7.3#
68	4.5	4.1	6.1





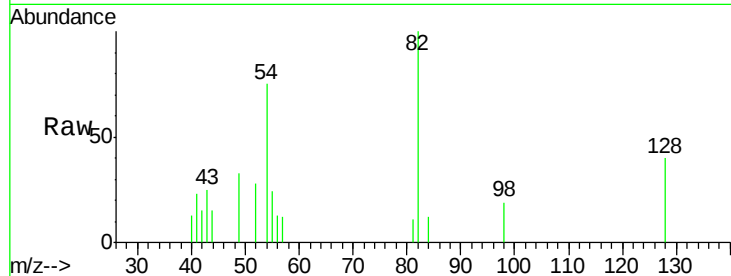
#23
Nitrobenzene-d5
Concen: 0.511 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :
E2-Q7-BASEDL

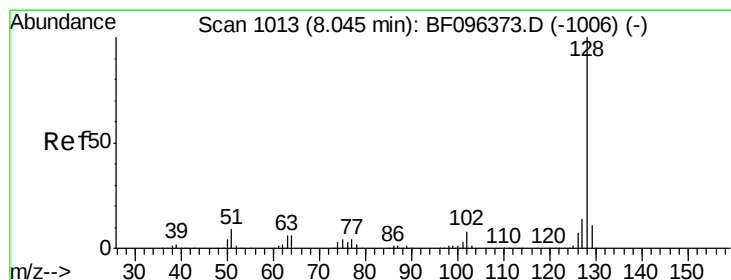
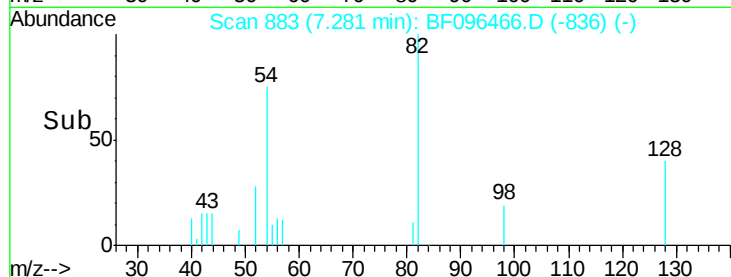
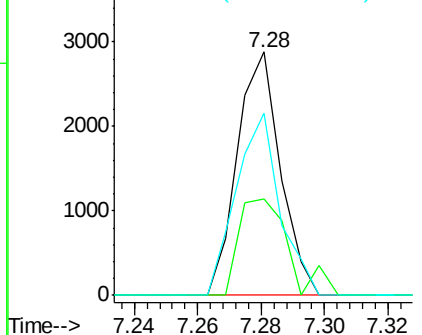
Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.6	34.0	51.0
54	74.6	42.2	63.2

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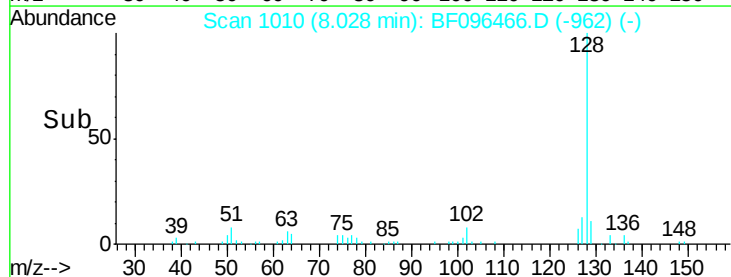
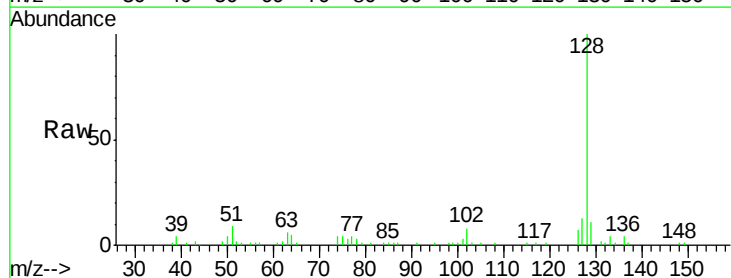
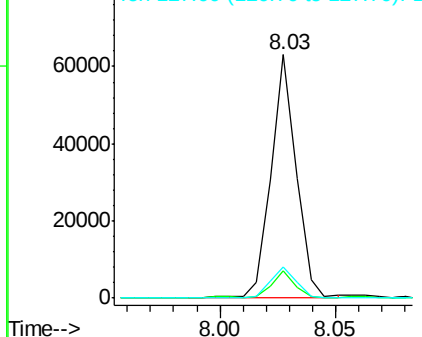
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

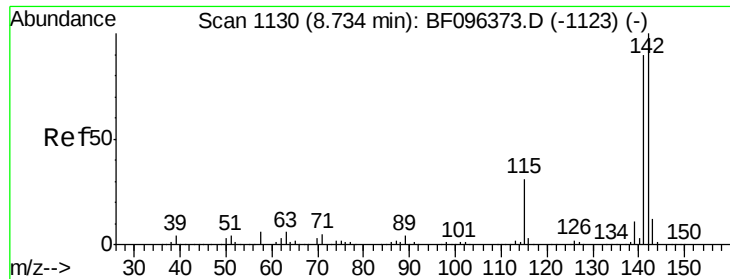


#31
Naphthalene
Concen: 3.191 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.0	10.8	16.2

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





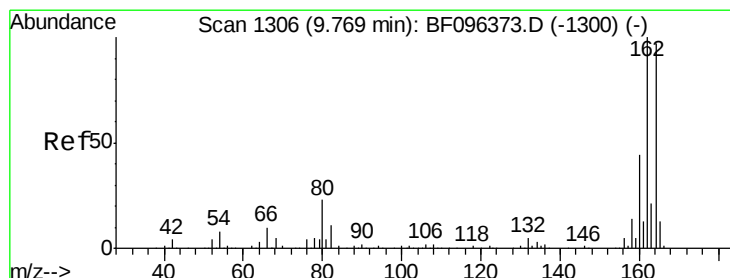
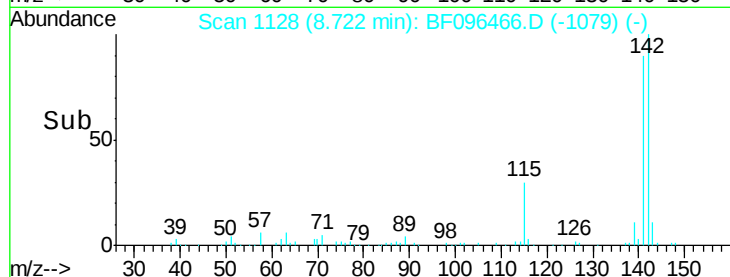
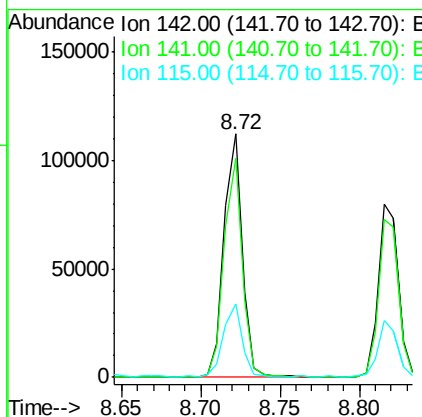
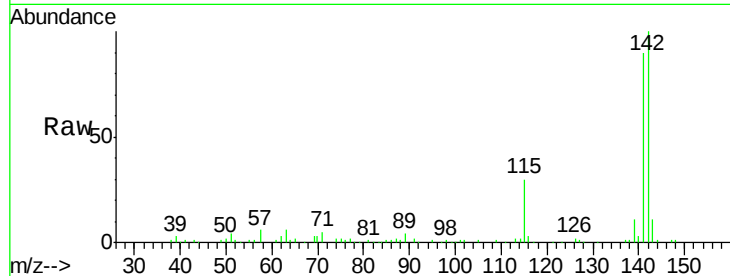
#37
2-Methylnaphthalene
Concen: 9.434 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :
E2-Q7-BASEDL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.3	106.9
115	30.0	27.1	40.7

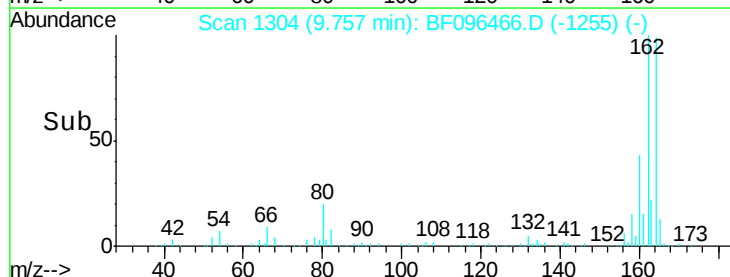
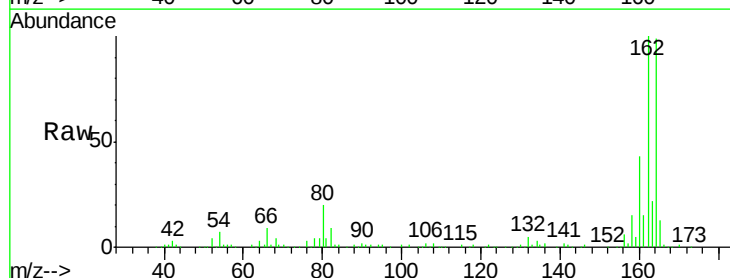
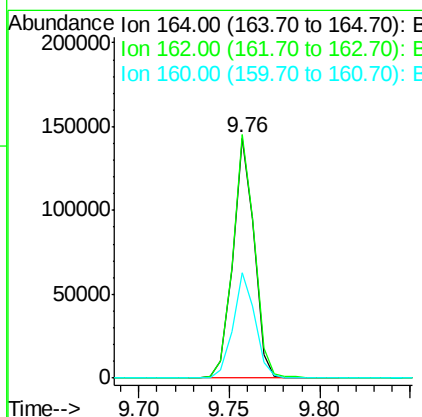
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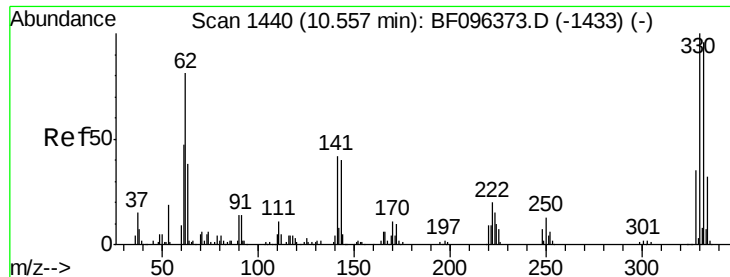
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.6	123.8
160	43.9	36.2	54.2





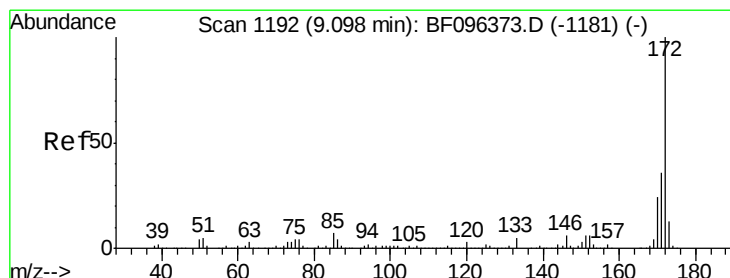
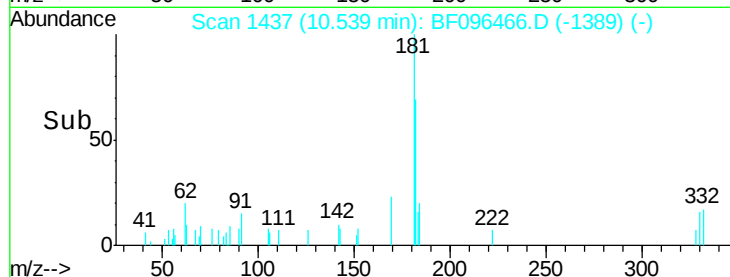
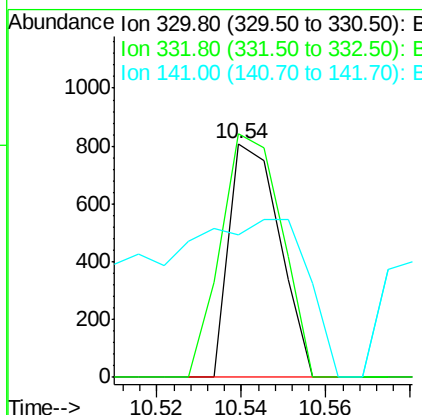
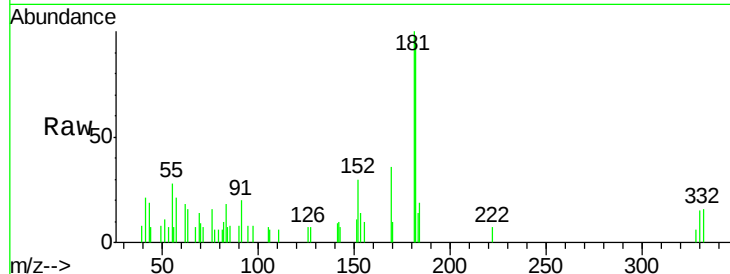
#41
 2,4,6-Tribromophenol
 Concen: 0.732 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: BF096466.D
 Acq: 4 Jul 2017 4:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q7-BASEDL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	125.5	76.6	115.0#
141	152.5	31.4	47.2#

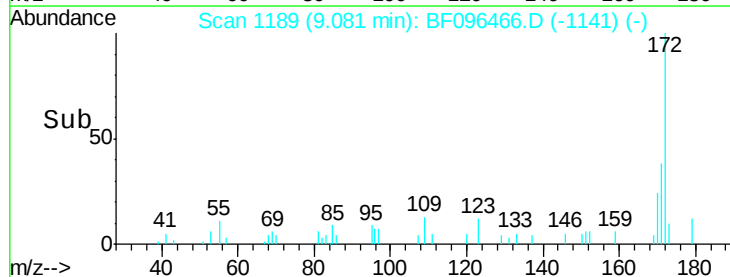
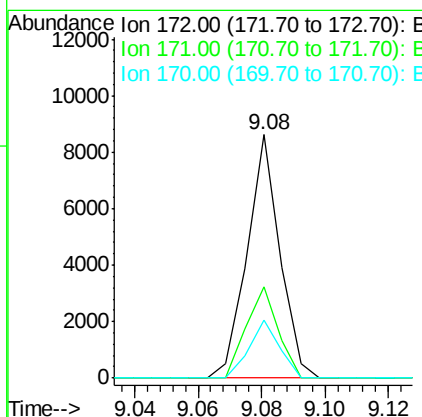
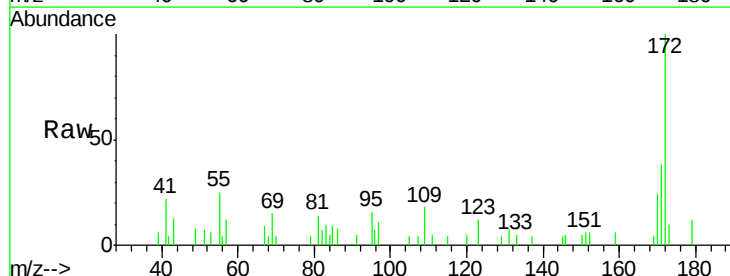
Manual Integrations
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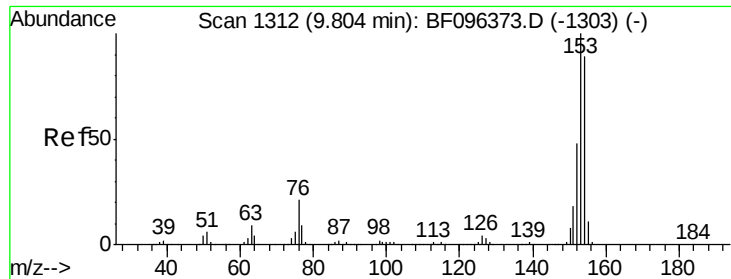
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#44
 2-Fluorobiphenyl
 Concen: 0.898 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: BF096466.D
 Acq: 4 Jul 2017 4:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.6	44.4
170	23.9	19.8	29.8





#51

Acenaphthene

Concen: 3.218 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF096466.D

Acq: 4 Jul 2017 4:09

Instrument :

BNA_F

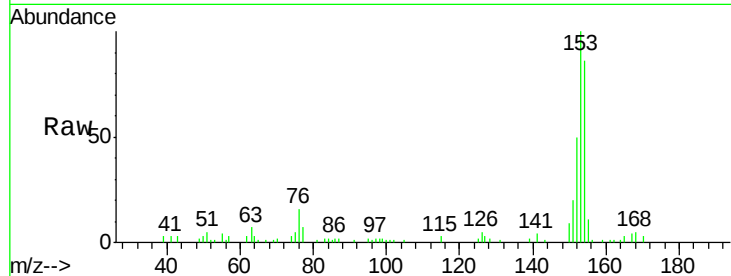
ClientSampleId :

E2-Q7-BASEDL

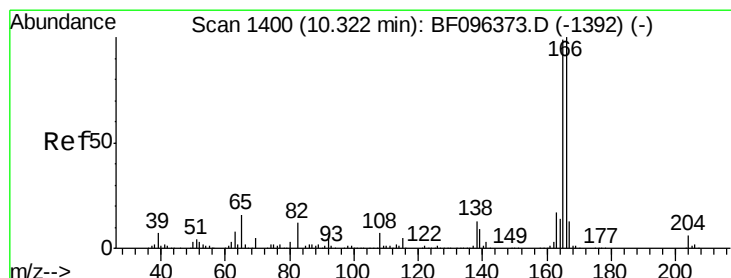
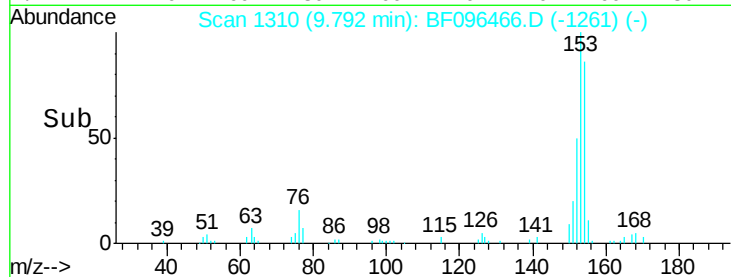
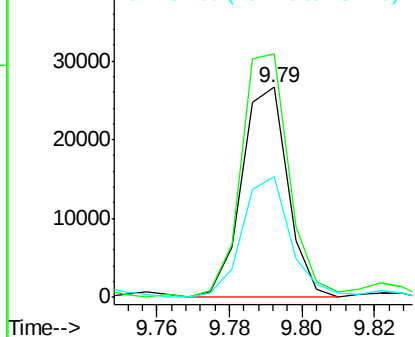
Tgt Ion:	154	Resp:	23503
Ion Ratio	Lower	Upper	
154	100		
153	116.1	90.5	135.7
152	57.7	43.6	65.4

Manual Integrations
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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: 4.022 ng

RT: 10.30 min Scan# 1397

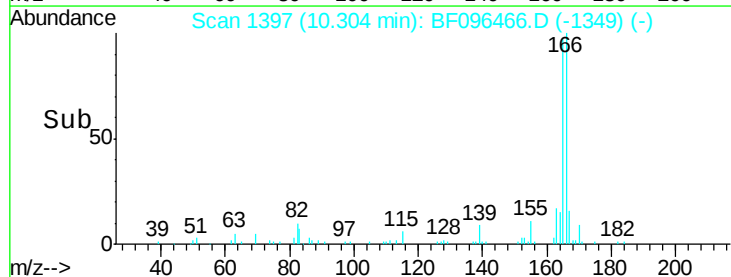
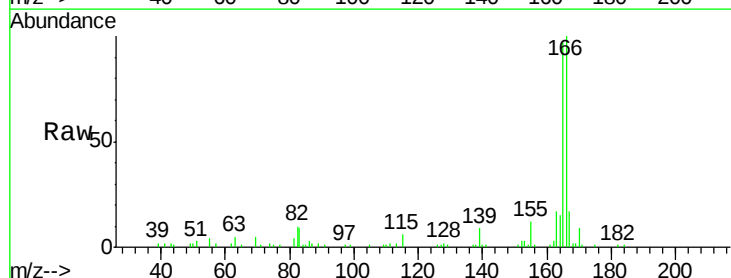
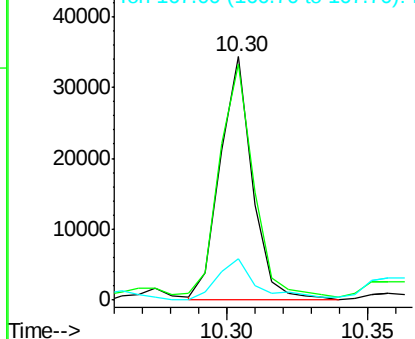
Delta R.T. -0.02 min

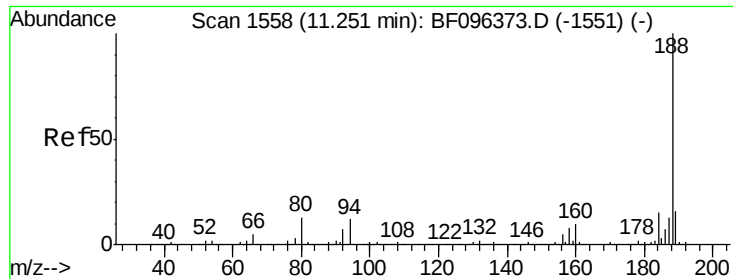
Lab File: BF096466.D

Acq: 4 Jul 2017 4:09

Tgt Ion:	166	Resp:	27392
Ion Ratio	Lower	Upper	
166	100		
165	96.8	78.8	118.2
167	17.0	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





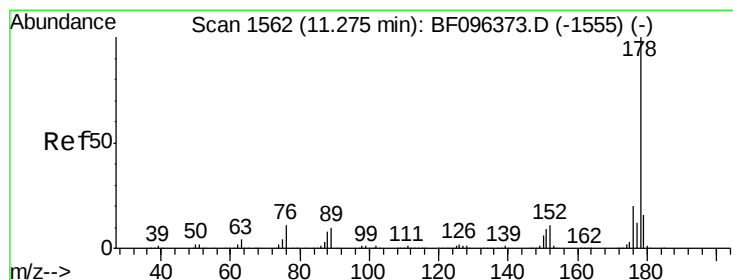
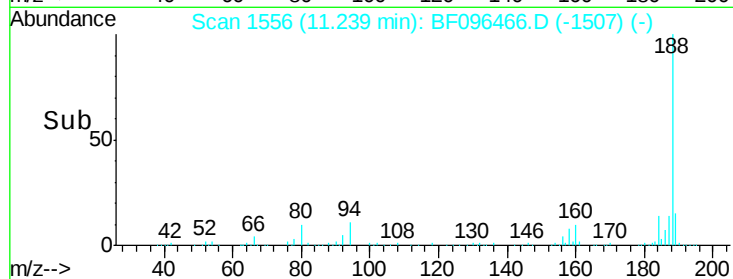
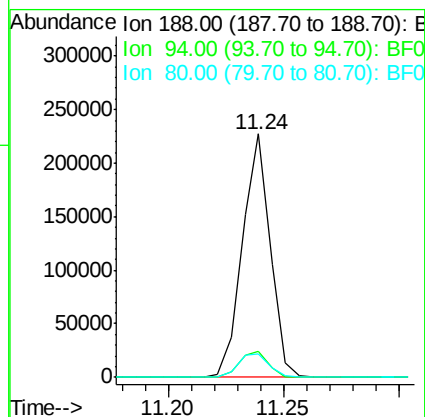
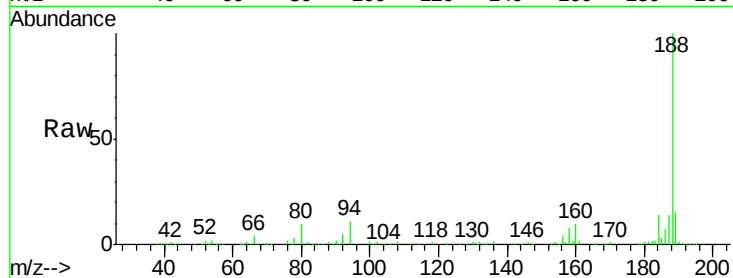
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :
E2-Q7-BASEDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.6	9.4	14.2
80	9.9	10.2	15.2#

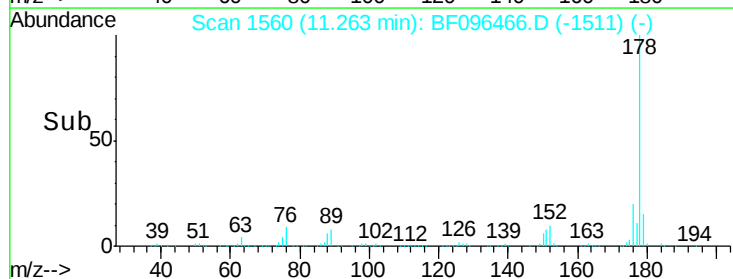
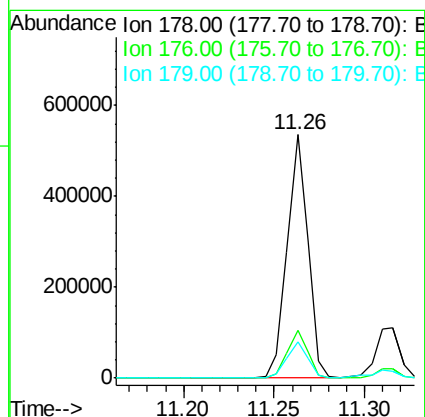
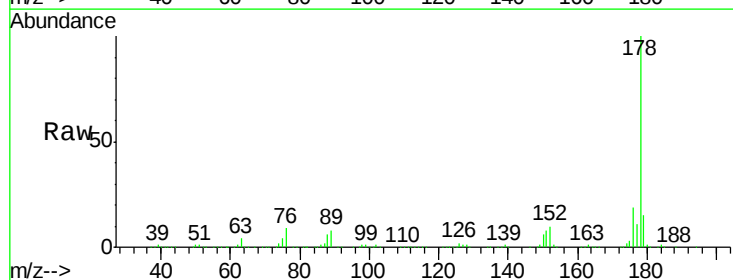
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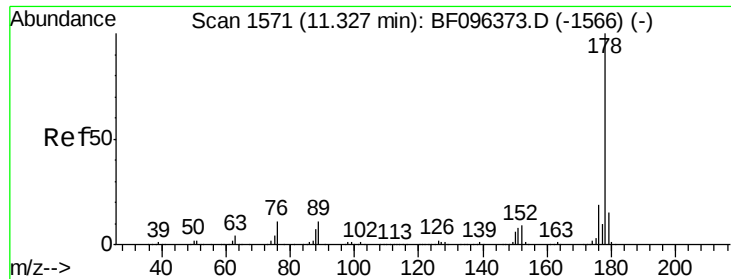
mohammad
7/5/2017 11:42:10 AM



#70
Phenanthrene
Concen: 41.480 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.5	16.2	24.4
179	15.1	12.6	19.0





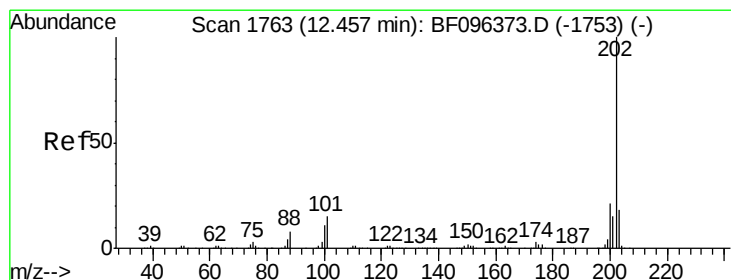
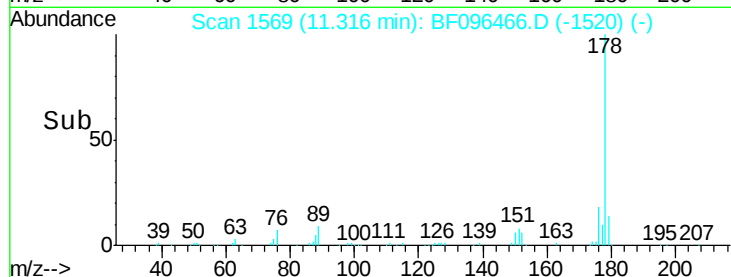
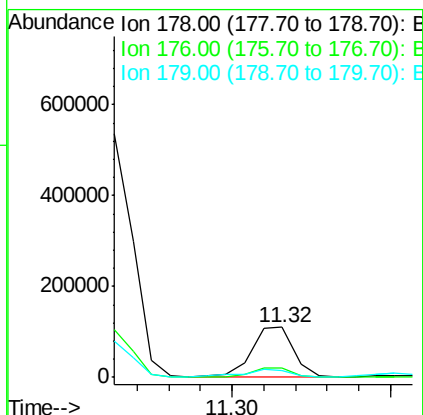
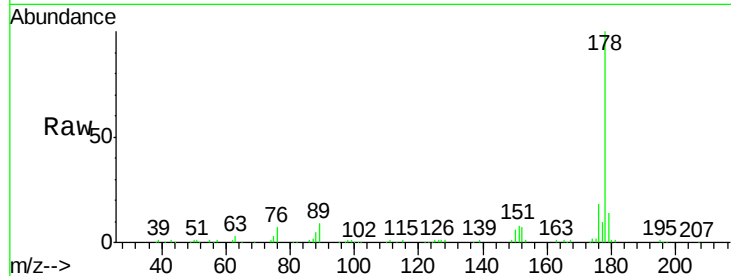
#71
 Anthracene
 Concen: 9.474 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF096466.D
 Acq: 4 Jul 2017 4:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q7-BASEDL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	14.3	12.7	19.1

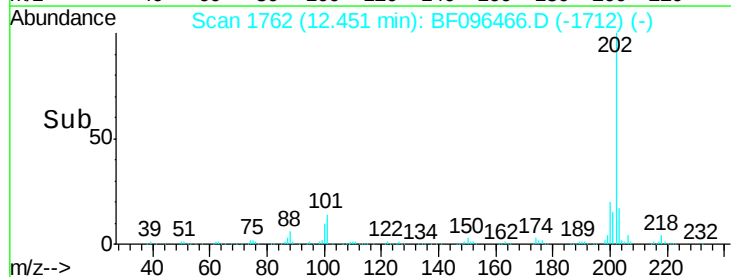
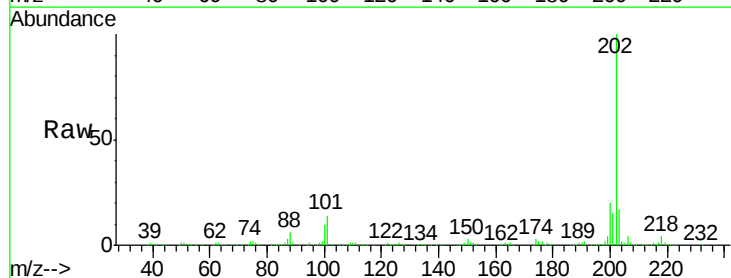
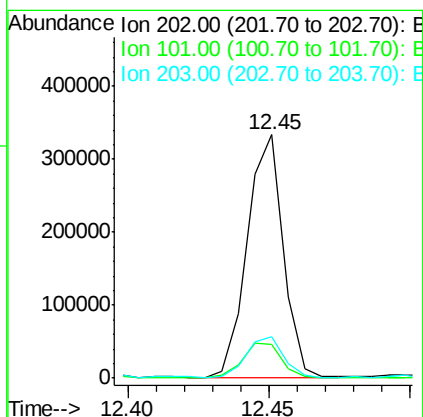
Manual Integrations
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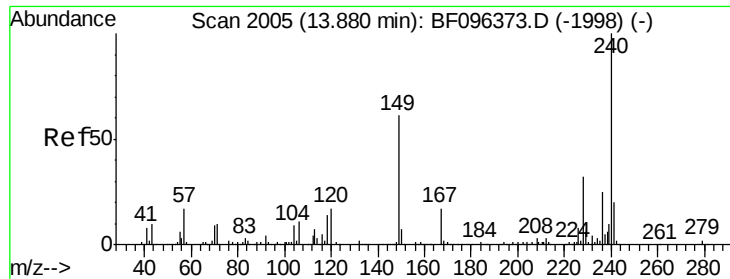
mohammad
 7/5/2017 11:42:10 AM



#74
 Fluoranthene
 Concen: 28.934 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: BF096466.D
 Acq: 4 Jul 2017 4:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	16.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096466.D

Acq: 4 Jul 2017 4:09

Instrument :

BNA_F

ClientSampleId :

E2-Q7-BASEDL

Tgt Ion:240 Resp: 182419

Ion Ratio Lower Upper

240 100

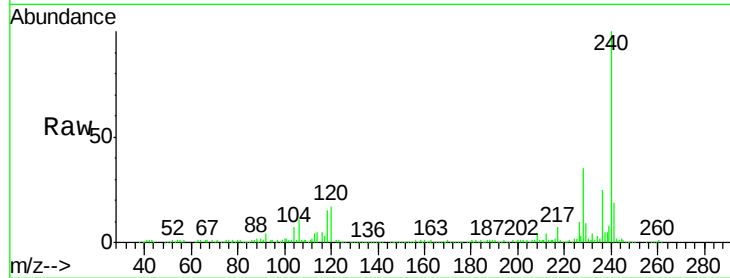
120 16.6 5.8 8.8#

236 25.2 20.5 30.7

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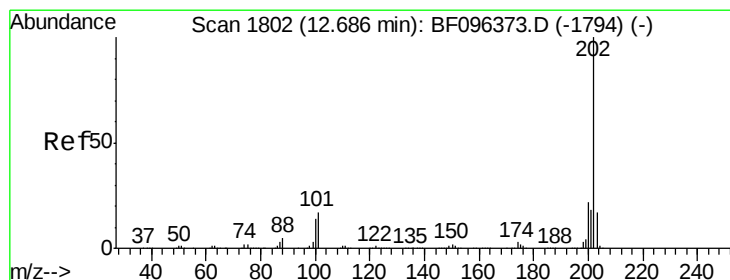
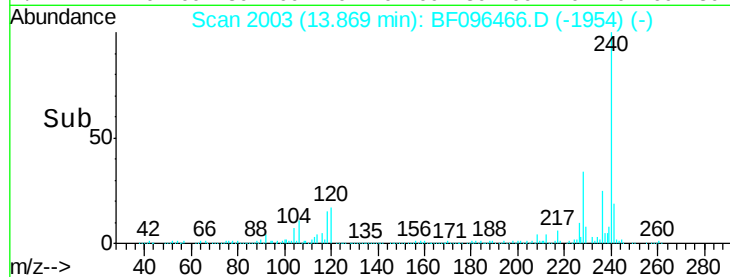
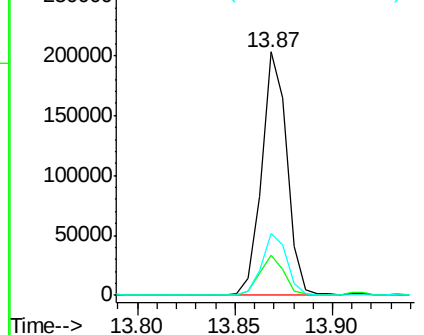
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 30.026 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF096466.D

Acq: 4 Jul 2017 4:09

Tgt Ion:202 Resp: 439655

Ion Ratio Lower Upper

202 100

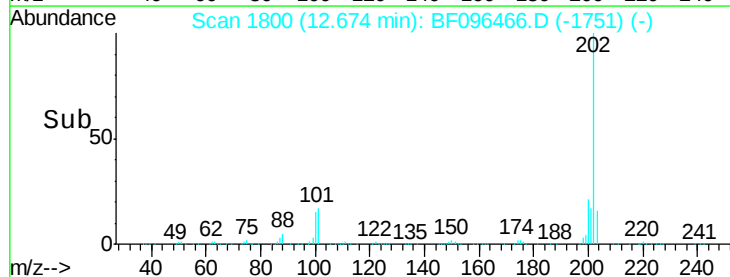
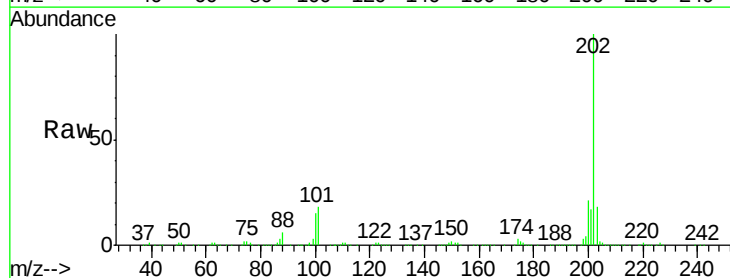
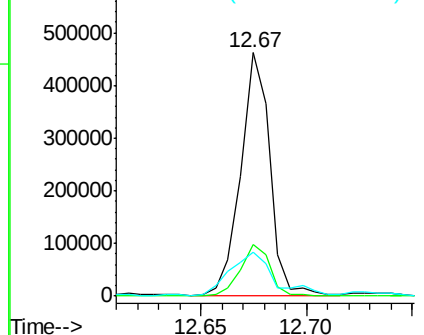
200 21.2 17.6 26.4

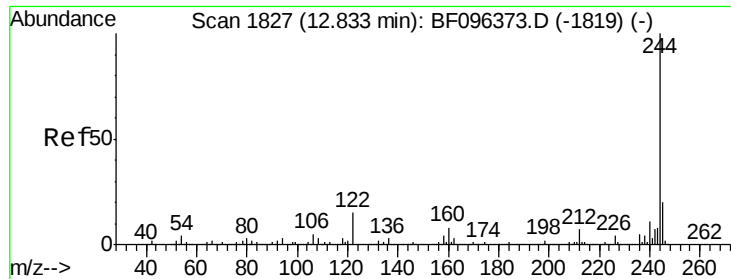
203 18.1 14.4 21.6

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





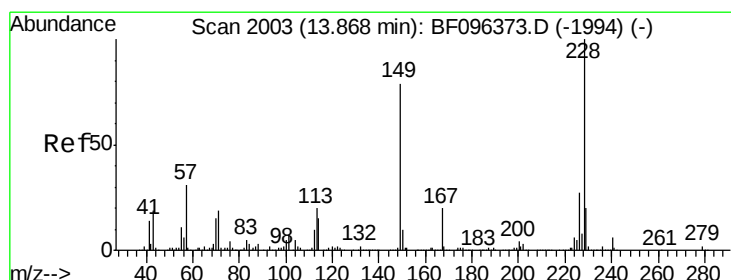
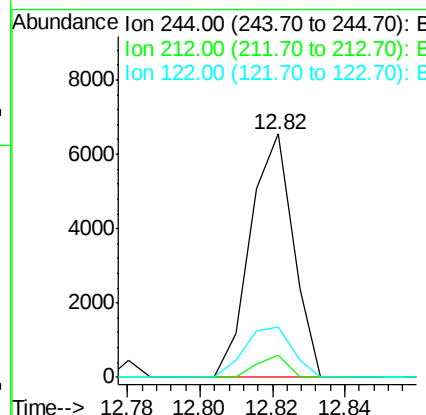
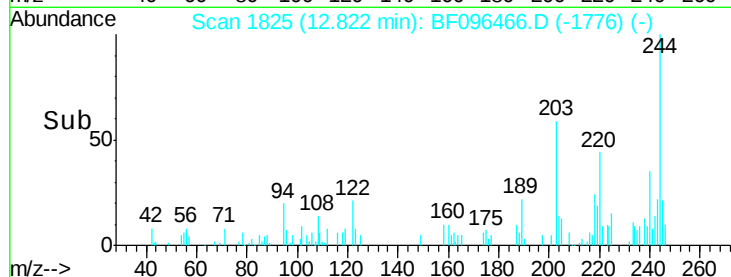
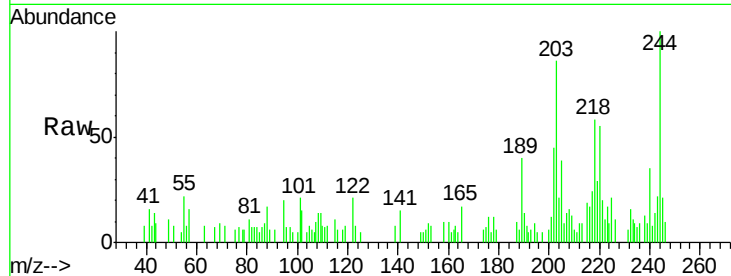
#78
 Terphenyl-d14
 Concen: 0.627 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF096466.D
 Acq: 4 Jul 2017 4:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q7-BASEDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.1	6.0	9.0#
122	20.7	10.3	15.5#

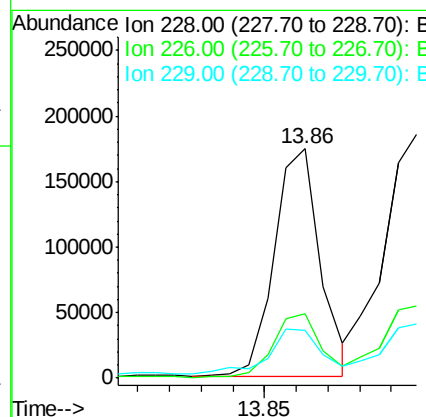
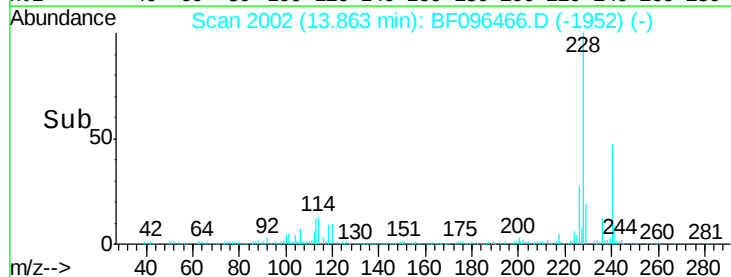
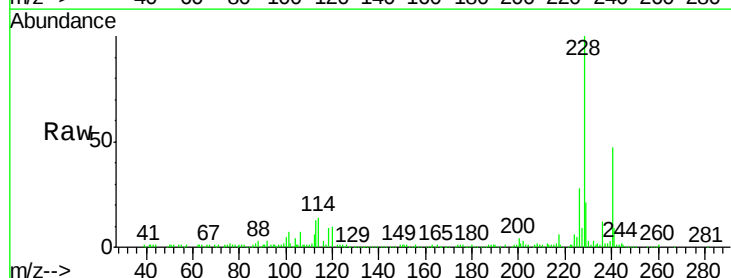
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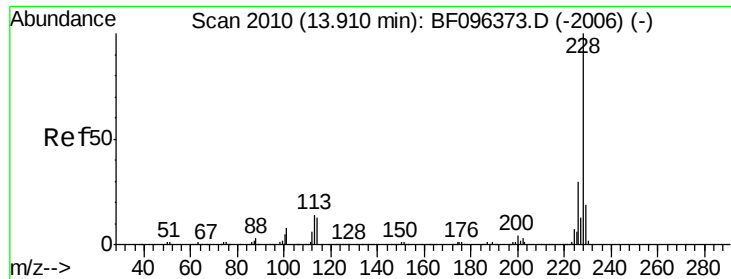
mohammad
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#80
 Benzo(a)anthracene
 Concen: 16.595 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF096466.D
 Acq: 4 Jul 2017 4:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.9	22.6	33.8
229	21.0	16.3	24.5





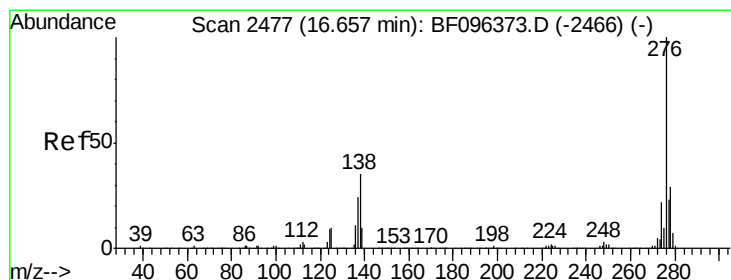
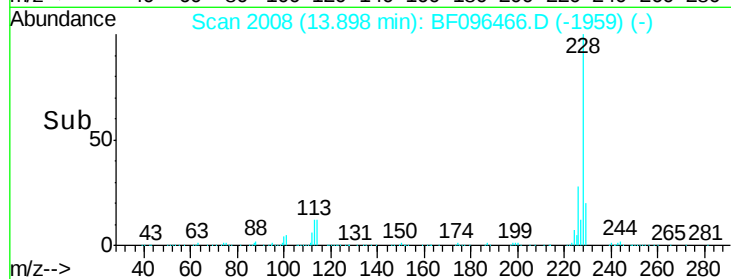
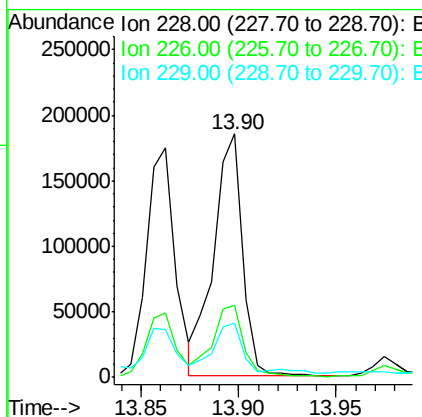
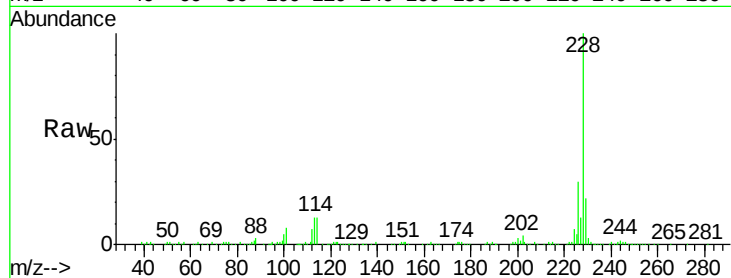
#82
 Chrysene
 Concen: 17.090 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF096466.D
 Acq: 4 Jul 2017 4:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q7-BASEDL

Tgt Ion:	228	Resp:	189058
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.9	37.3
229	22.1	15.8	23.6

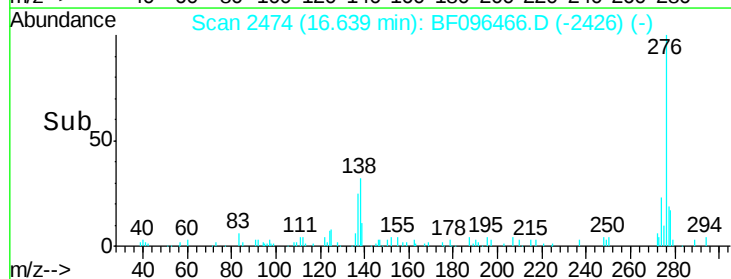
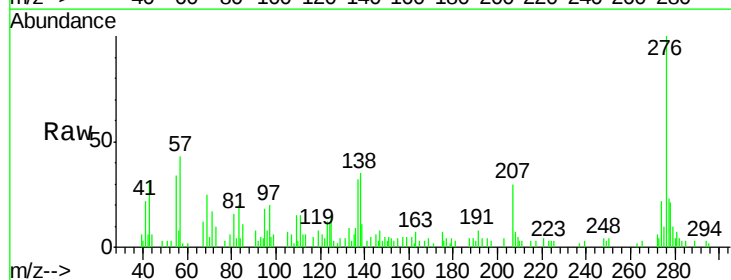
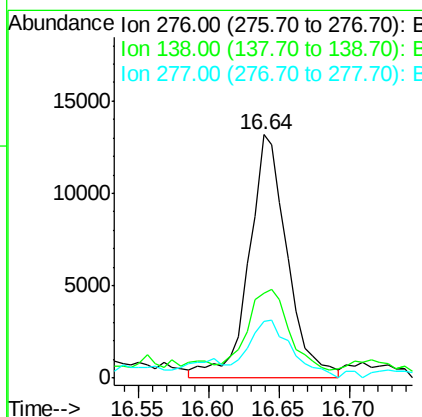
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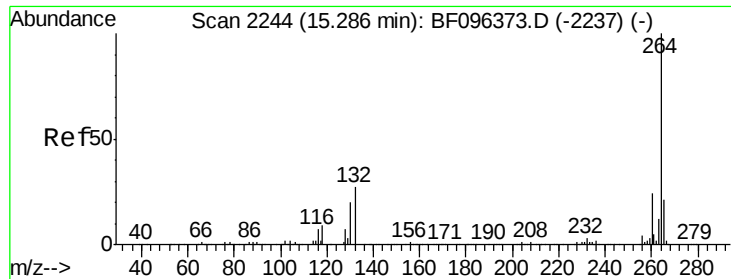
mohammad
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.868 ng
 RT: 16.64 min Scan# 2474
 Delta R.T. -0.02 min
 Lab File: BF096466.D
 Acq: 4 Jul 2017 4:09

Tgt Ion:	276	Resp:	25041
Ion Ratio	Lower	Upper	
276	100		
138	36.1	27.8	41.6
277	27.7	20.2	30.4





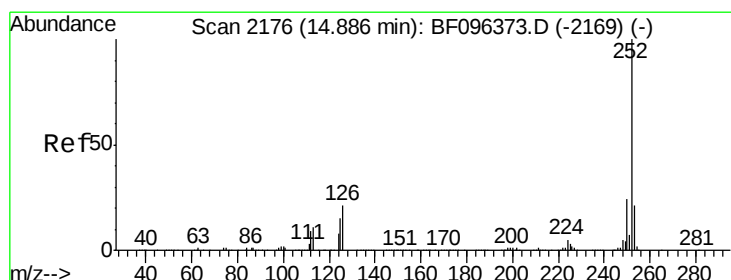
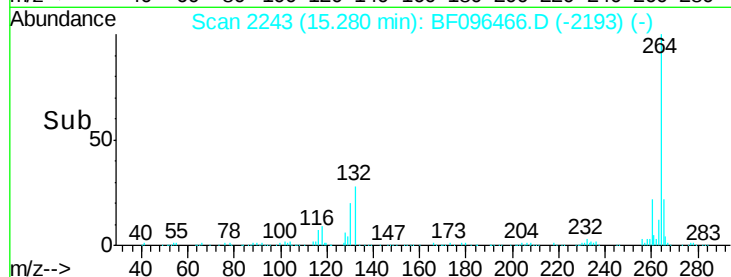
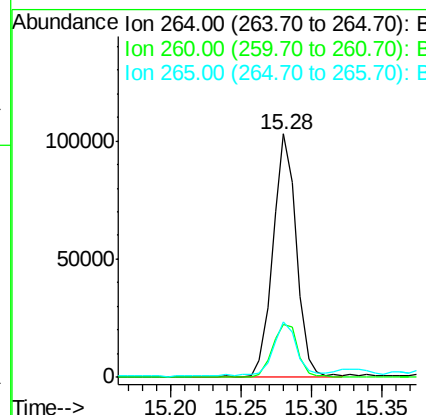
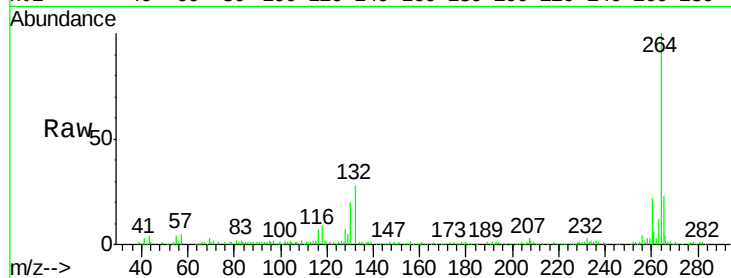
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :
E2-Q7-BASEDL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.9	19.5	29.3
265	22.7	17.2	25.8

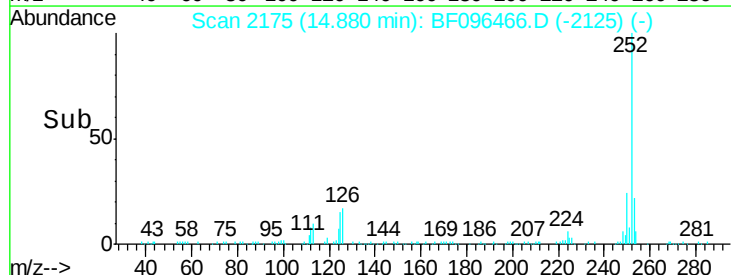
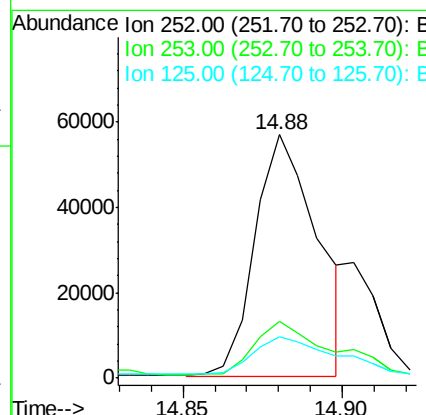
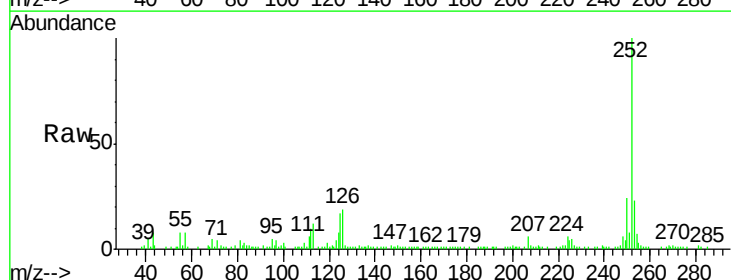
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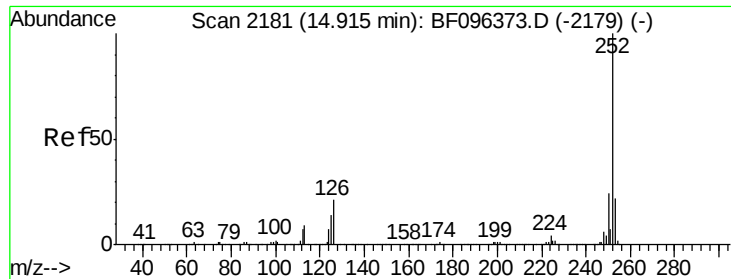
mohammad
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#87
Benzo(b)fluoranthene
Concen: 10.324 ng m
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	17.2	9.8	14.8#





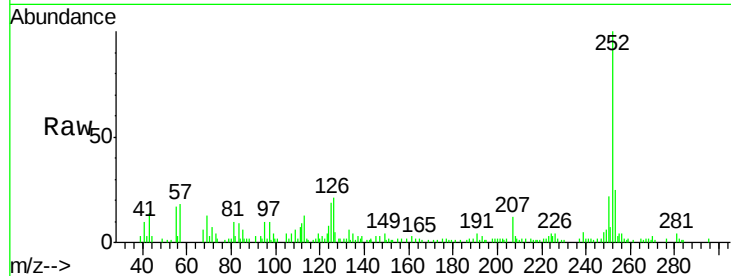
#88
Benzo(k)fluoranthene
Concen: 2.789 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Instrument :
BNA_F
ClientSampleId :
E2-Q7-BASEDL

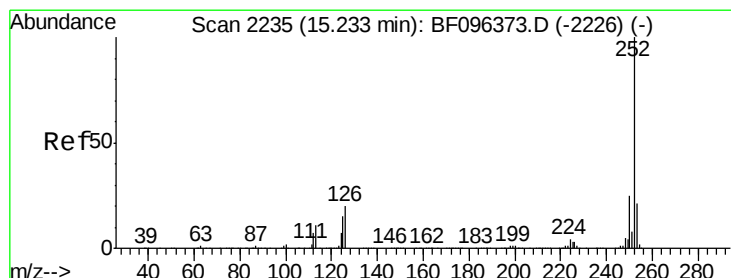
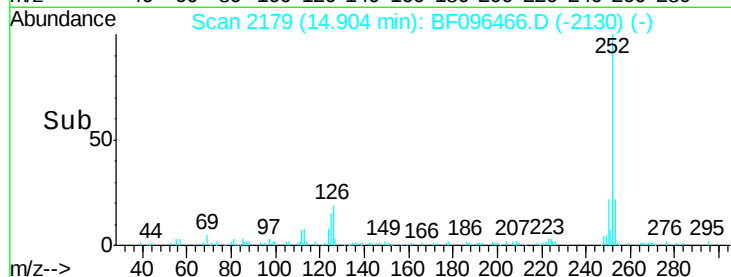
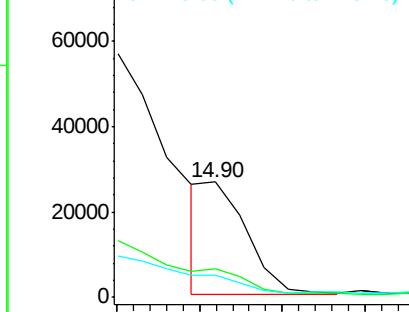
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.4	27.6
125	18.7	13.1	19.7

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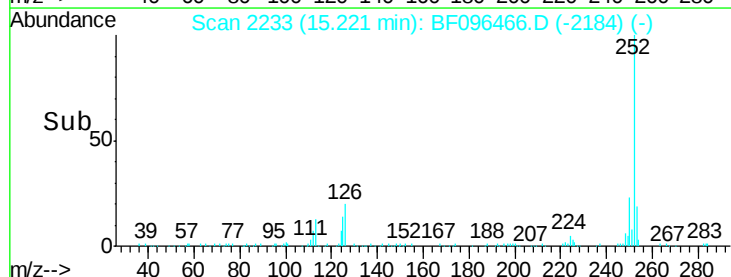
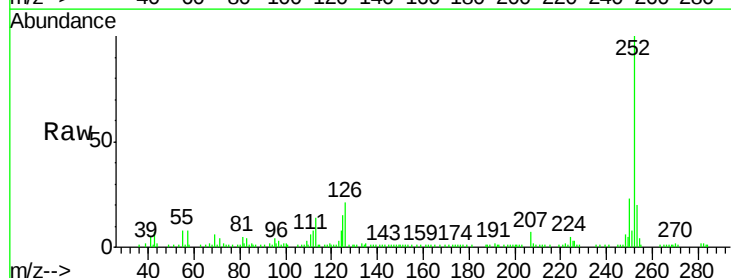
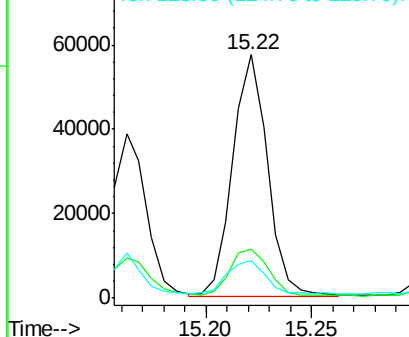
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

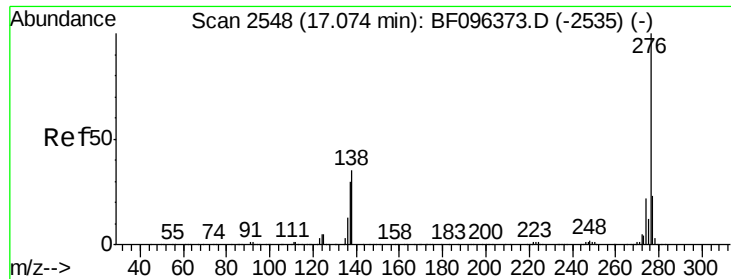


#89
Benzo(a)pyrene
Concen: 9.676 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF096466.D
Acq: 4 Jul 2017 4:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.5	26.3
125	15.4	11.0	16.4

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





#91
 Benzo(g,h,i)perylene
 Concen: 4.658 ng
 RT: 17.05 min Scan# 2544
 Delta R.T. -0.02 min
 Lab File: BF096466.D
 Acq: 4 Jul 2017 4:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q7-BASEDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	25.1	18.6	28.0
138	40.6	25.4	38.0

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