

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
 Data File : BF096545.D
 Acq On : 6 Jul 2017 20:43
 Operator : SJ/MA
 Sample : I3972-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B4A-18-18.5

Manual Integrations
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Quant Time: Jul 07 09:26:37 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	112367	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	480616	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	179436	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	258917	20.00	ng	0.00
75) Chrysene-d12	13.86	240	244671	20.00	ng	0.00
86) Perylene-d12	15.27	264	177343	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	722391	94.89	ng	0.01
7) Phenol-d6	6.36	99	863199	92.23	ng	0.00
23) Nitrobenzene-d5	7.27	82	485092	60.65	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	128969	92.01	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	796639	75.91	ng	0.00
78) Terphenyl-d14	12.82	244	487660	42.59	ng	0.00
Target Compounds						
10) Phenol	6.36	94	30919	2.900	ng	Qvalue 92
49) Dimethylphthalate	9.47	163	106746	7.969	ng	97
70) Phenanthrene	11.25	178	59654	4.262	ng	94
74) Fluoranthene	12.44	202	70743	5.155	ng	98
77) Pyrene	12.66	202	67228	3.423	ng	100
80) Benzo(a)anthracene	13.85	228	34001	2.400	ng	95
82) Chrysene	13.89	228	30441	2.052	ng	97
87) Benzo(b)fluoranthene	14.87	252	28461m	2.561	ng	
89) Benzo(a)pyrene	15.22	252	21537	2.171	ng	# 94

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

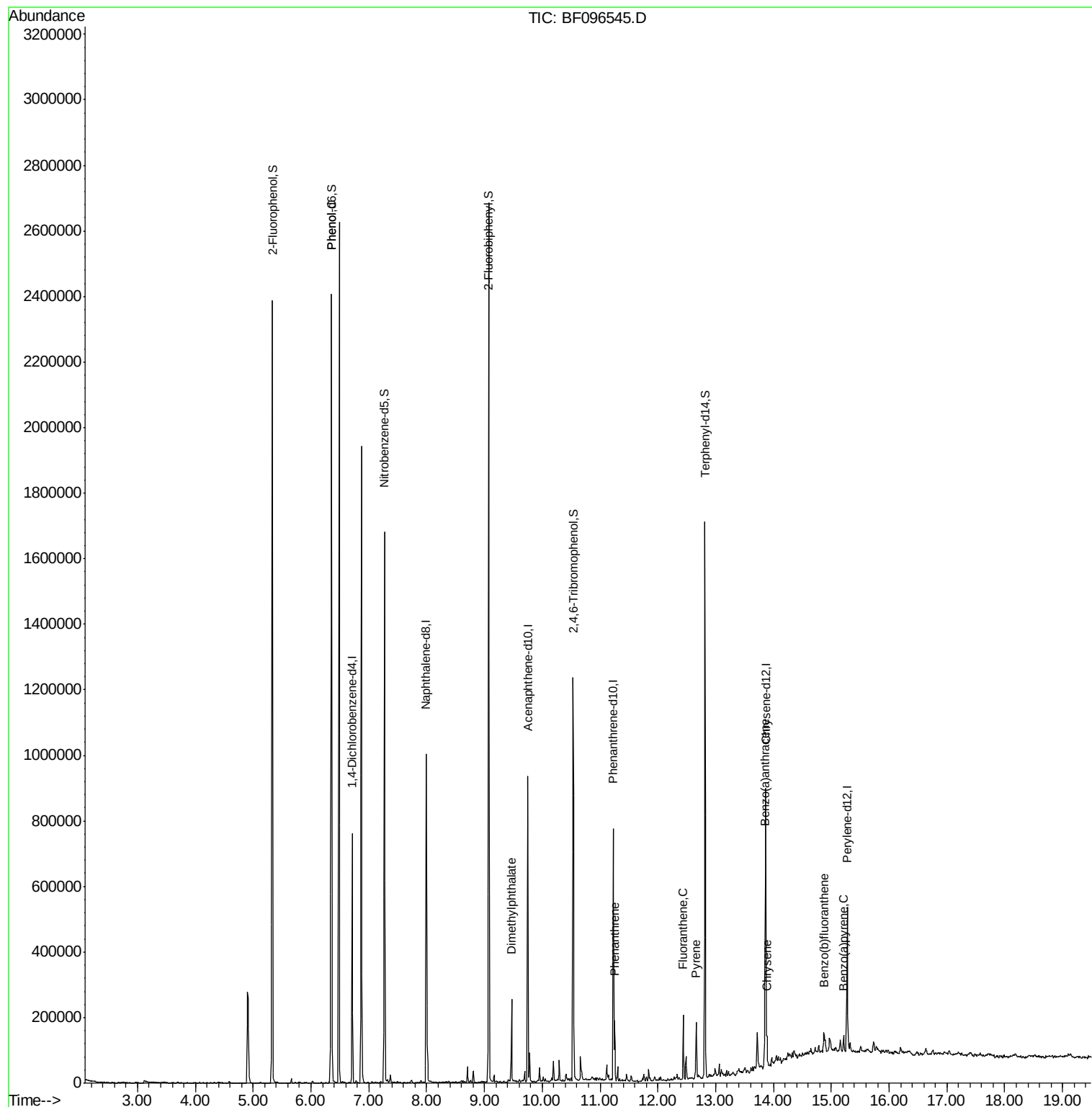
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
Data File : BF096545.D
Acq On : 6 Jul 2017 20:43
Operator : SJ/MA
Sample : I3972-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

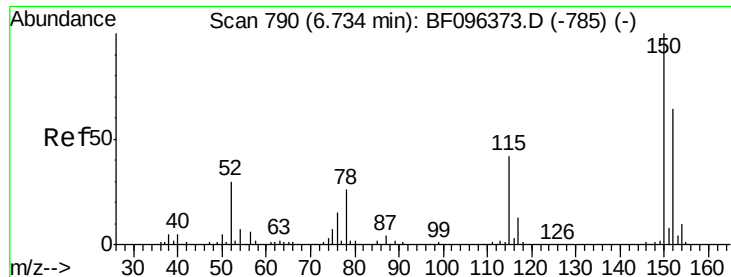
Instrument :
BNA_F
ClientSampled :
B4A-18-18.5

Manual Integrations
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Quant Time: Jul 07 09:26:37 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 05 13:27:10 2017
Response via : Initial Calibration





#1

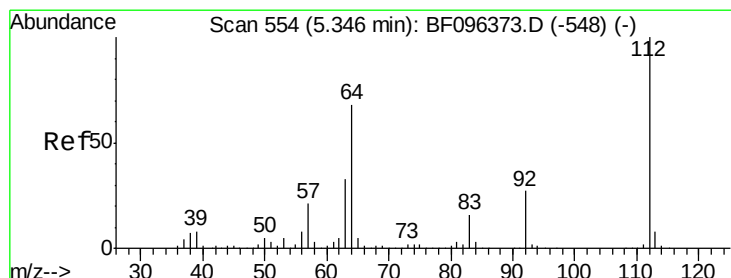
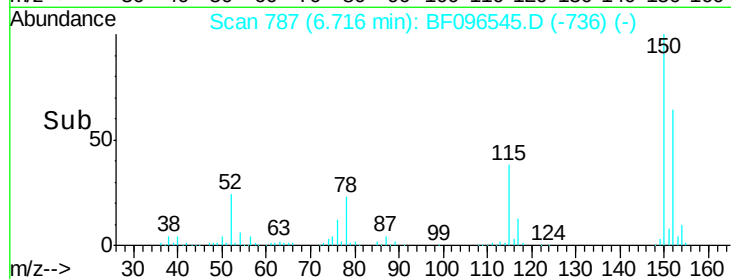
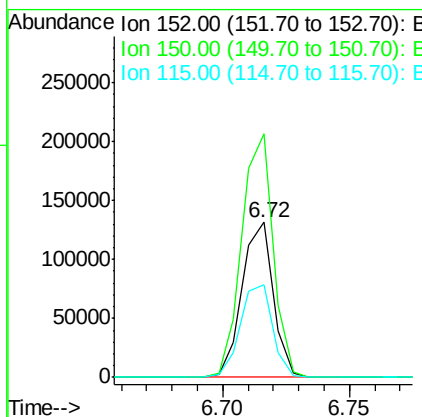
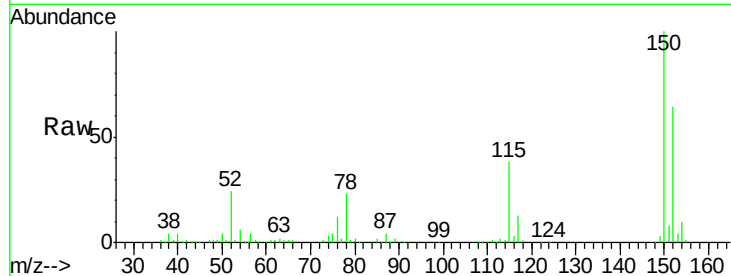
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF096545.D
Acq: 6 Jul 2017 20:43

Instrument :
BNA_F
ClientSampleId :
B4A-18-18.5

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.2	189.2
115	60.1	52.2	78.2

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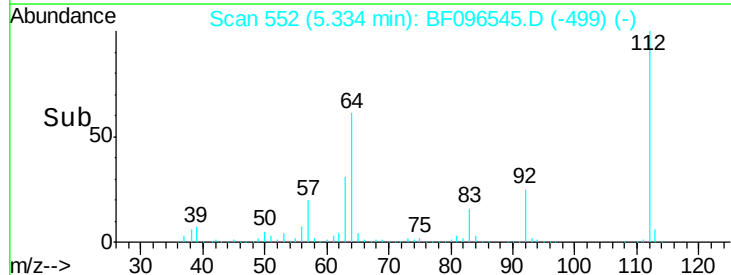
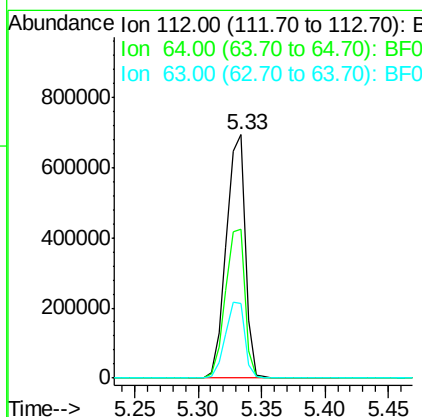
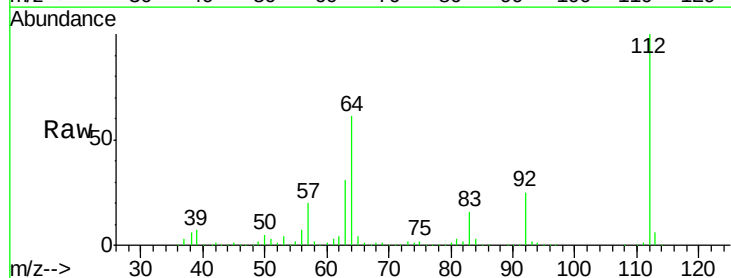
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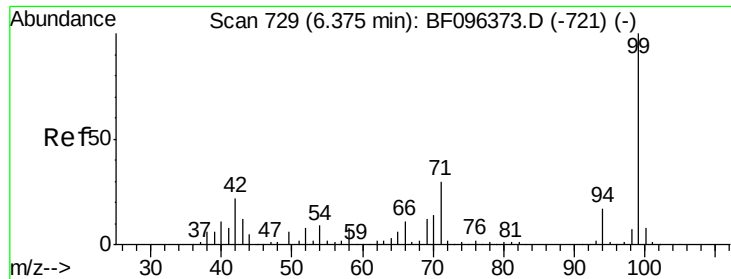


#5

2-Fluorophenol
Concen: 94.888 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF096545.D
Acq: 6 Jul 2017 20:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	46.0	69.0
63	30.8	23.4	35.0





#7

Phenol-d6

Concen: 92.229 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF096545.D

Acq: 6 Jul 2017 20:43

Instrument :

BNA_F

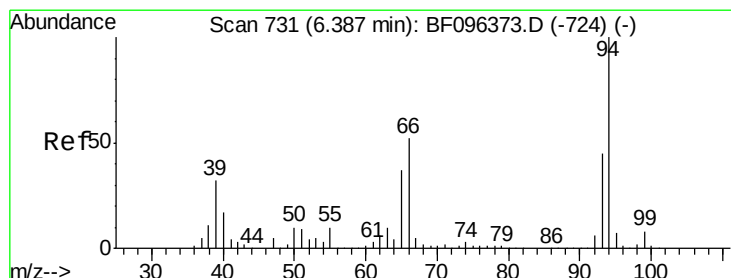
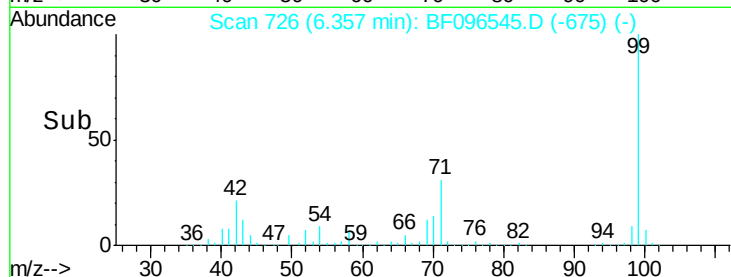
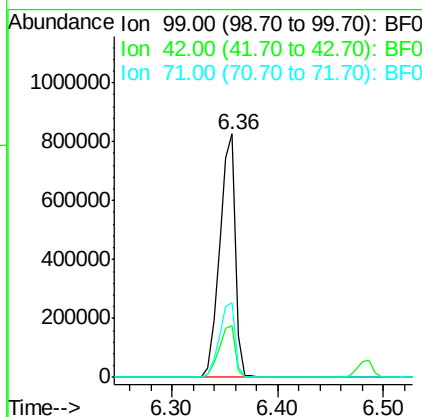
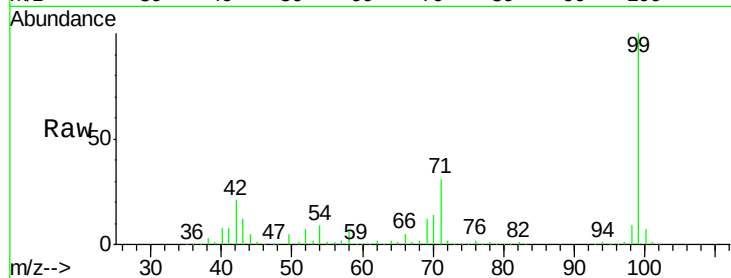
ClientSampleId :

B4A-18-18.5

Tgt Ion:	99	Resp:	863199
Ion	Ratio	Lower	Upper
99	100		
42	21.1	13.5	20.3#
71	30.7	24.5	36.7

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#10

Phenol

Concen: 2.900 ng

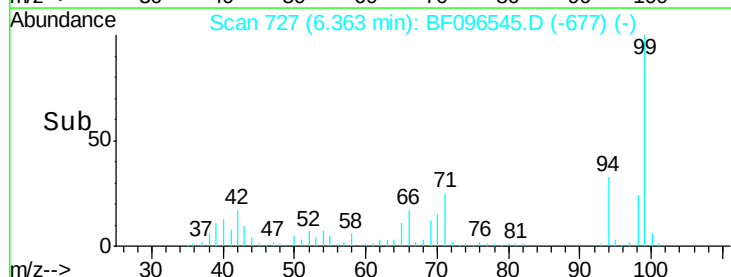
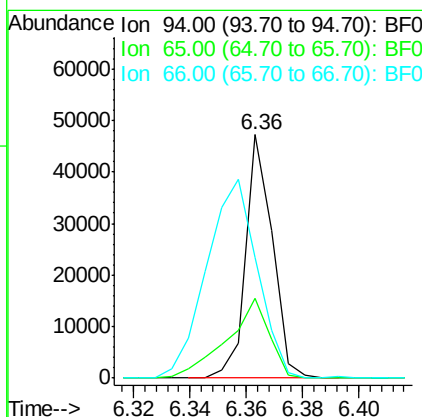
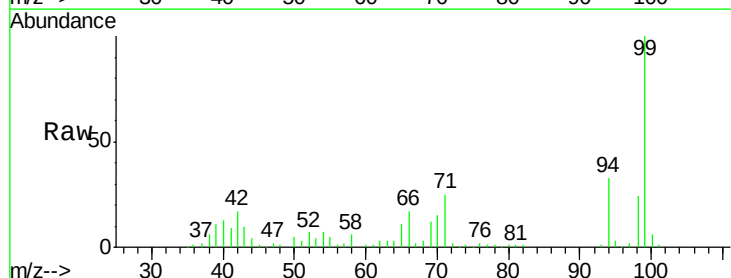
RT: 6.36 min Scan# 727

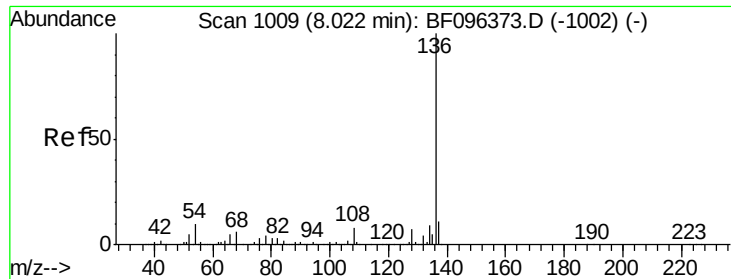
Delta R.T. -0.01 min

Lab File: BF096545.D

Acq: 6 Jul 2017 20:43

Tgt Ion:	94	Resp:	30919
Ion	Ratio	Lower	Upper
94	100		
65	32.8	9.9	49.9
66	49.8	23.1	63.1





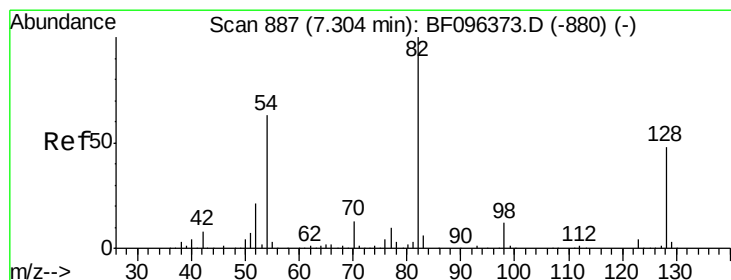
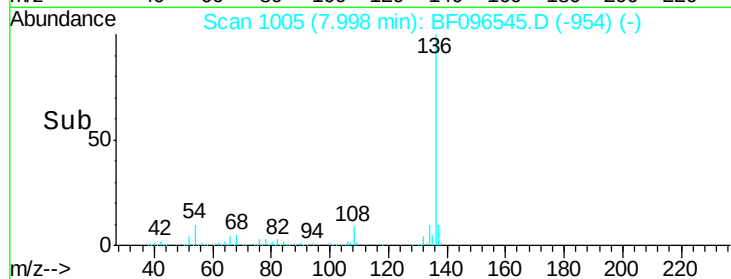
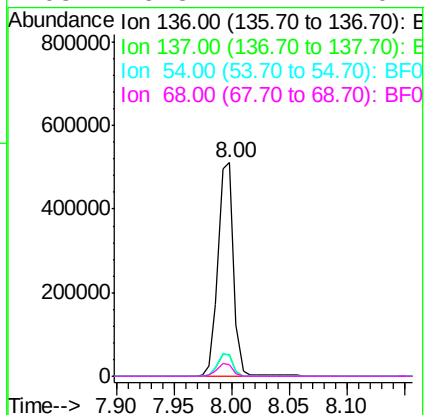
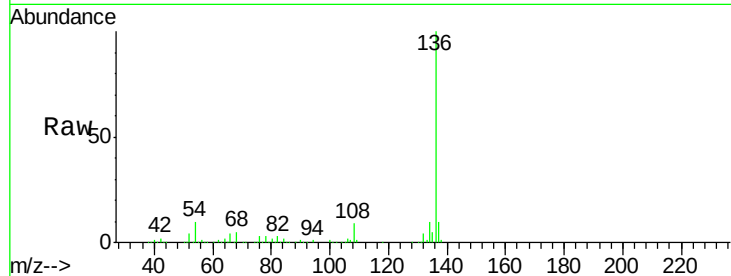
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF096545.D
Acq: 6 Jul 2017 20:43

Instrument :
BNA_F
ClientSampleId :
B4A-18-18.5

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	10.4	8.5	12.7
54	9.7	4.9	7.3#
68	5.3	4.1	6.1

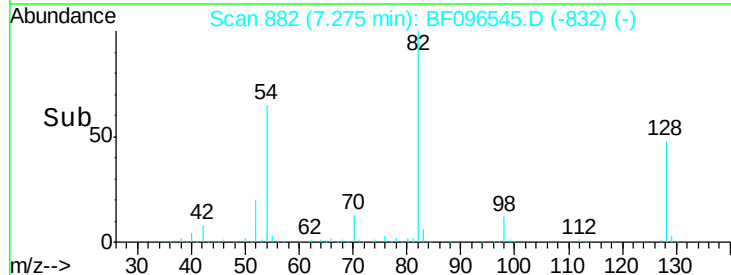
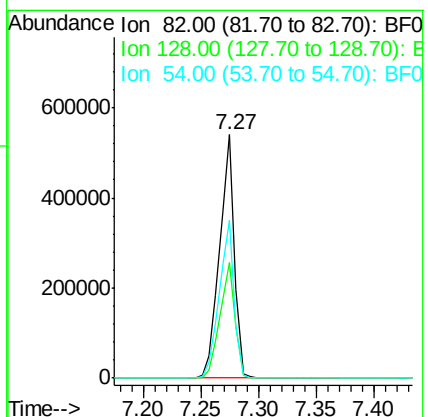
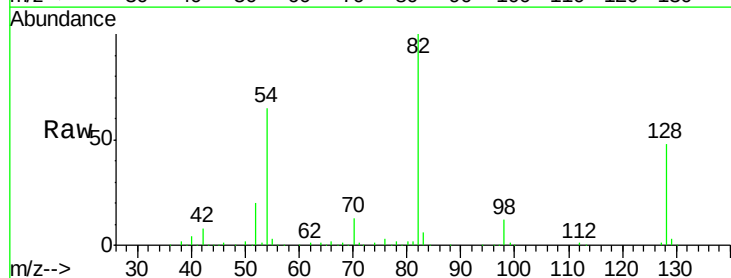
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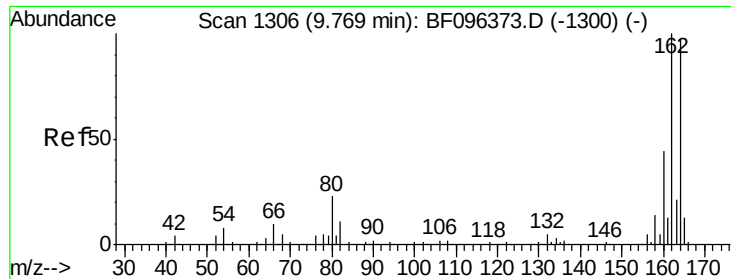
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#23
Nitrobenzene-d5
Concen: 60.650 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096545.D
Acq: 6 Jul 2017 20:43

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	47.5	34.0	51.0
54	65.0	42.2	63.2#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF096545.D

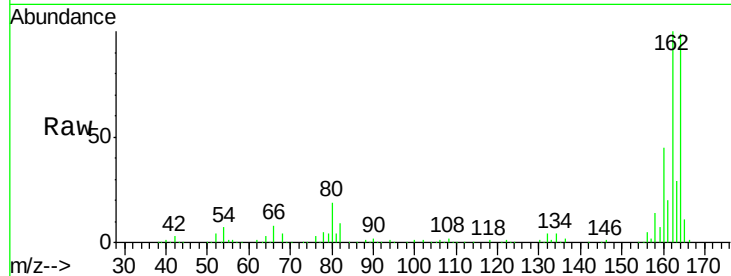
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Instrument :

BNA_F

ClientSampleId :

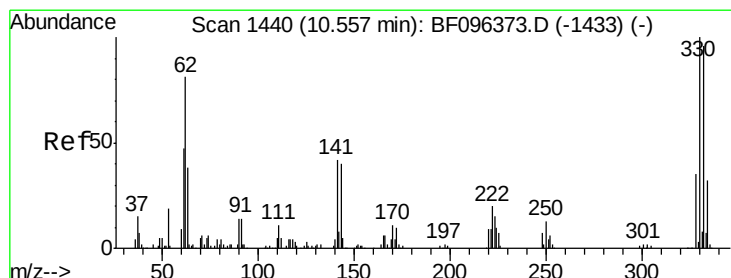
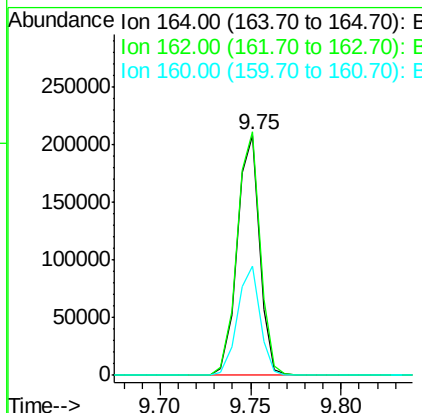
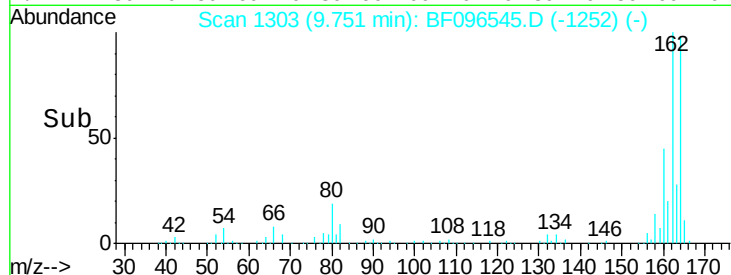
B4A-18-18.5



Tgt Ion:	164	Resp:	179436
Ion Ratio	Lower	Upper	
164	100		
162	101.4	82.6	123.8
160	45.4	36.2	54.2

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#41

2,4,6-Tribromophenol

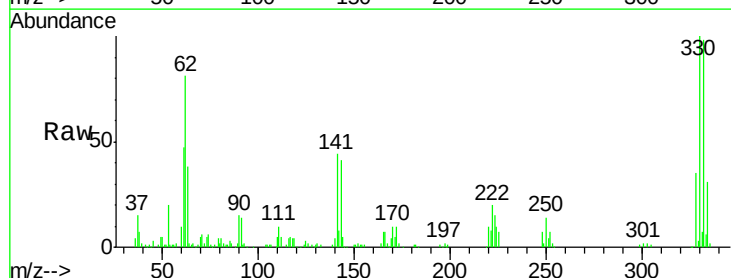
Concen: 92.015 ng

RT: 10.53 min Scan# 1436

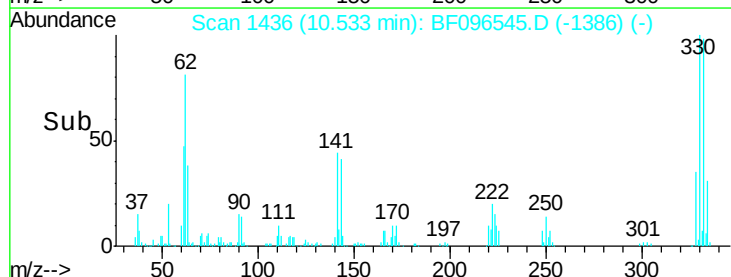
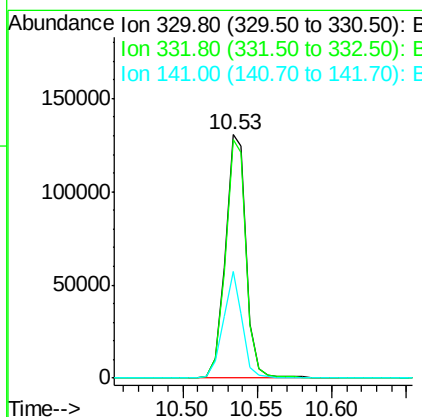
Delta R.T. -0.01 min

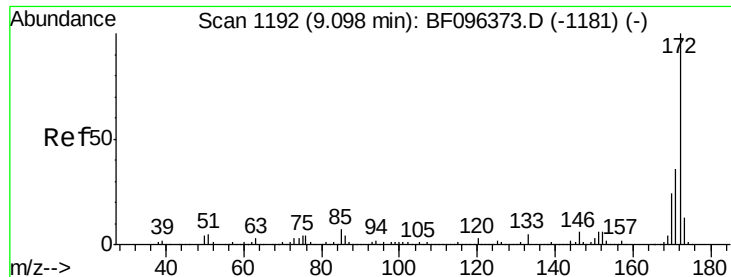
Lab File: BF096545.D

Acq: 6 Jul 2017 20:43



Tgt Ion:	330	Resp:	128969
Ion Ratio	Lower	Upper	
330	100		
332	97.6	76.6	115.0
141	39.4	31.4	47.2





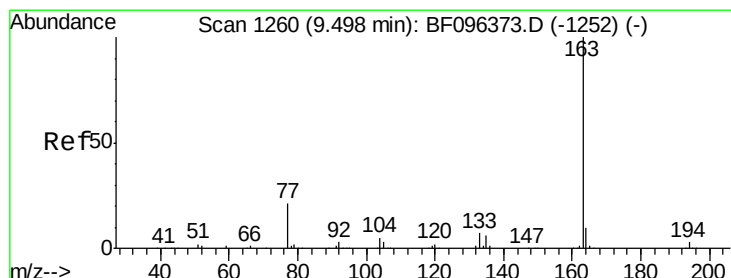
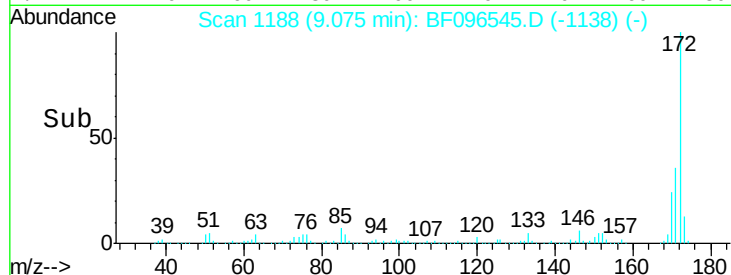
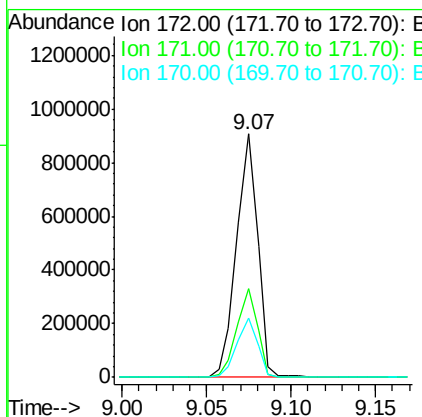
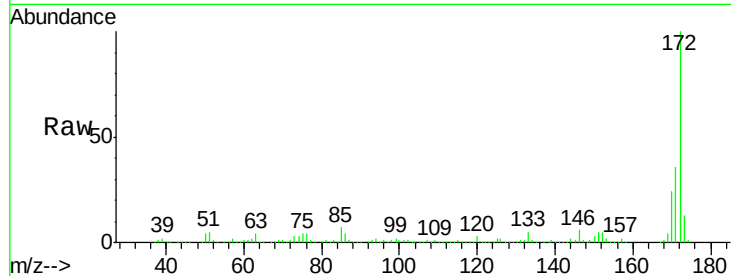
#44
 2-Fluorobiphenyl
 Concen: 75.908 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096545.D
 Acq: 6 Jul 2017 20:43

Instrument :
 BNA_F
 ClientSampleId :
 B4A-18-18.5

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	36.3	29.6	44.4
170	24.1	19.8	29.8

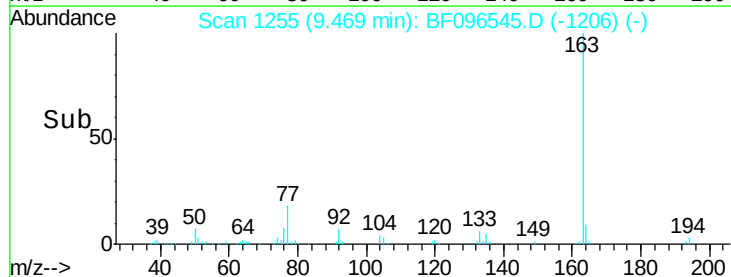
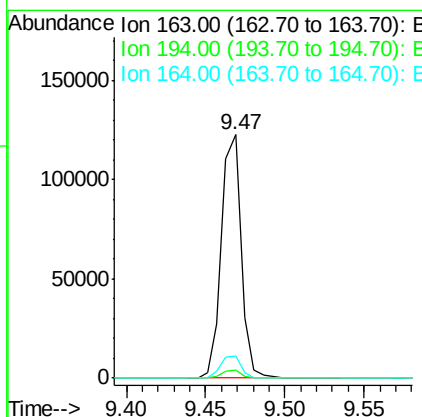
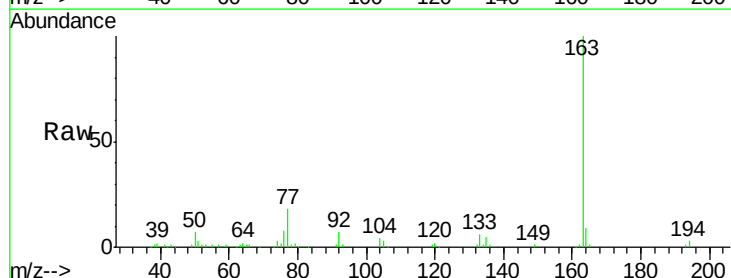
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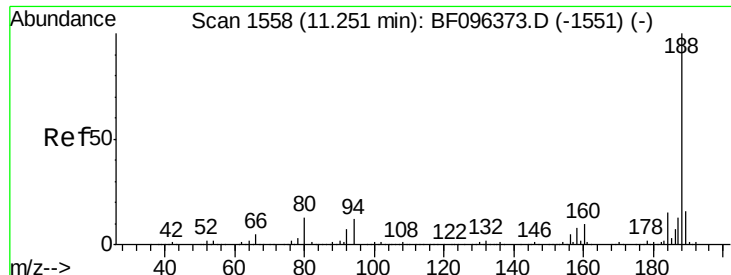
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#49
 Dimethylphthalate
 Concen: 7.969 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF096545.D
 Acq: 6 Jul 2017 20:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.1	2.6	4.0
164	9.2	8.4	12.6





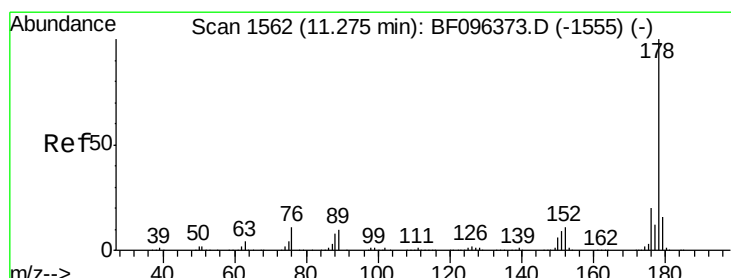
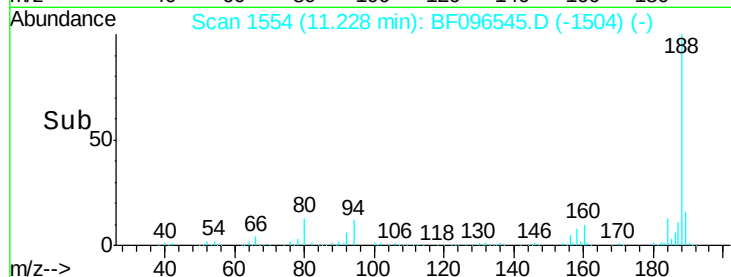
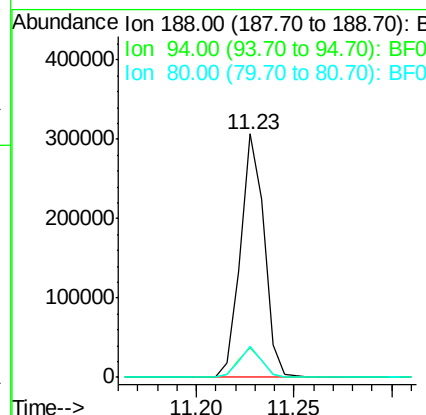
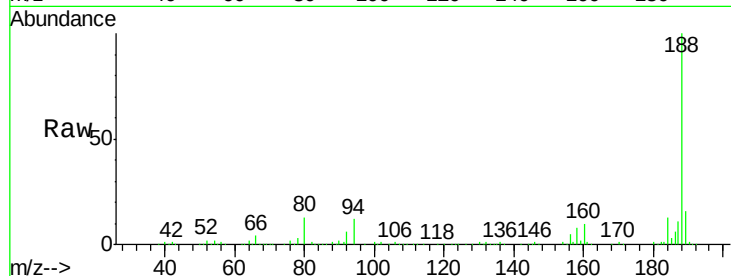
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096545.D
Acq: 6 Jul 2017 20:43

Instrument :
BNA_F
ClientSampleId :
B4A-18-18.5

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.1	9.4	14.2
80	12.5	10.2	15.2

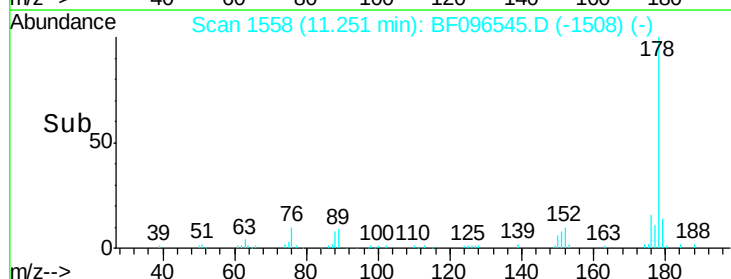
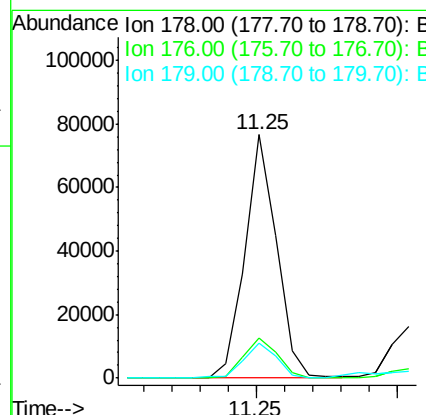
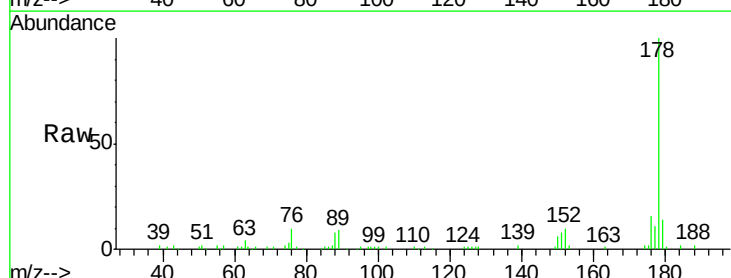
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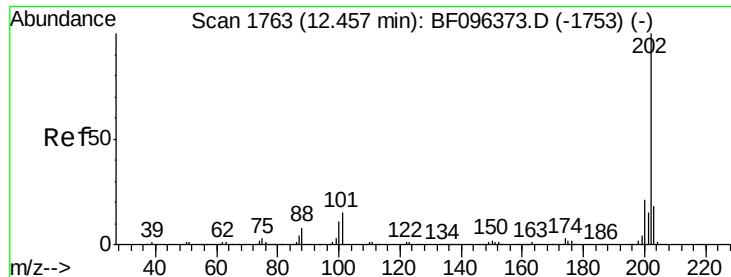
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#70
Phenanthrene
Concen: 4.262 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF096545.D
Acq: 6 Jul 2017 20:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	16.4	16.2	24.4
179	14.3	12.6	19.0





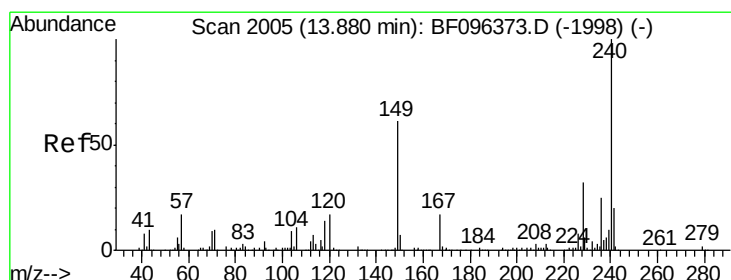
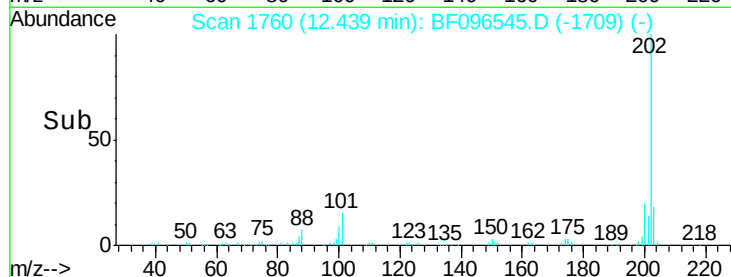
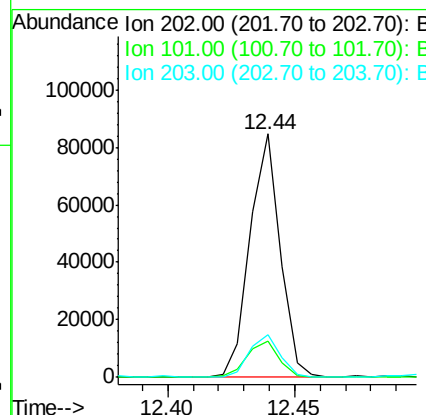
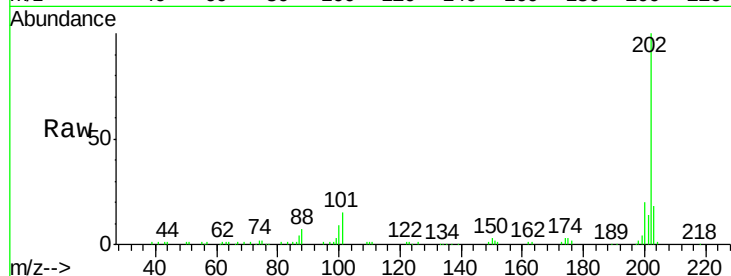
#74
Fluoranthene
Concen: 5.155 ng
RT: 12.44 min Scan# 1760
Delta R.T. 0.00 min
Lab File: BF096545.D
Acq: 6 Jul 2017 20:43

Instrument :
BNA_F
ClientSampleId :
B4A-18-18.5

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.9	0.0	33.2
203	17.7	0.0	38.1

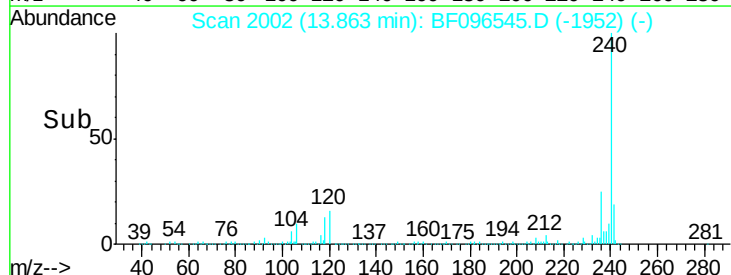
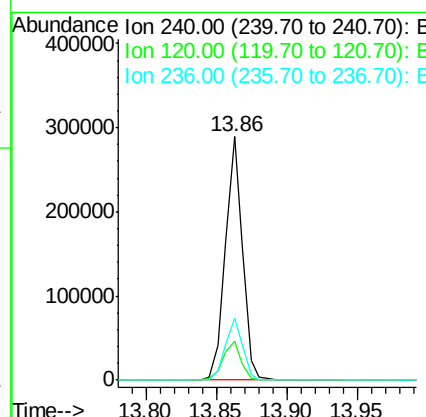
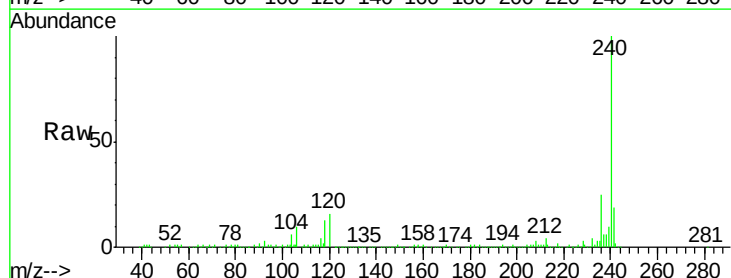
Manual Integrations
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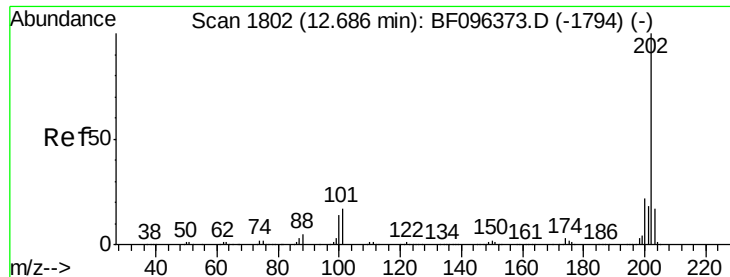
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF096545.D
Acq: 6 Jul 2017 20:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	16.0	5.8	8.8#
236	25.3	20.5	30.7





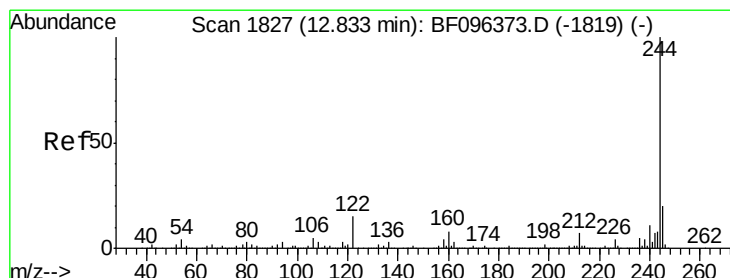
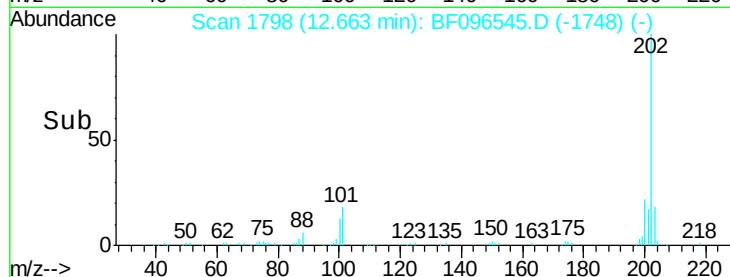
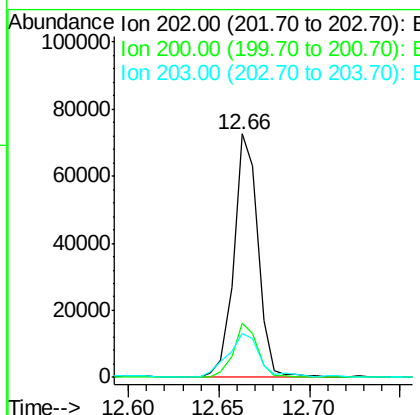
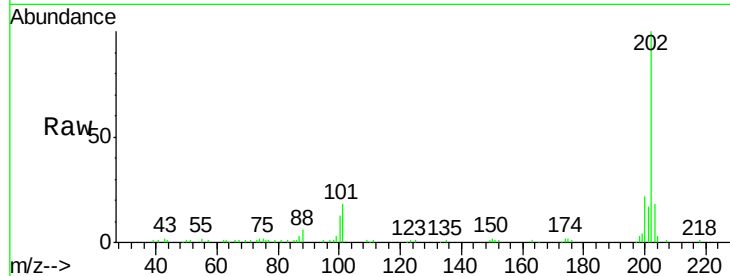
#77
 Pyrene
 Concen: 3.423 ng
 RT: 12.66 min Scan# 1798
 Delta R.T. -0.01 min
 Lab File: BF096545.D
 Acq: 6 Jul 2017 20:43

Instrument :
 BNA_F
 ClientSampleId :
 B4A-18-18.5

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.6	26.4
203	18.0	14.4	21.6

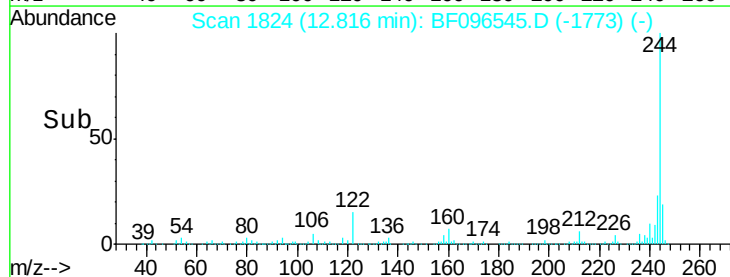
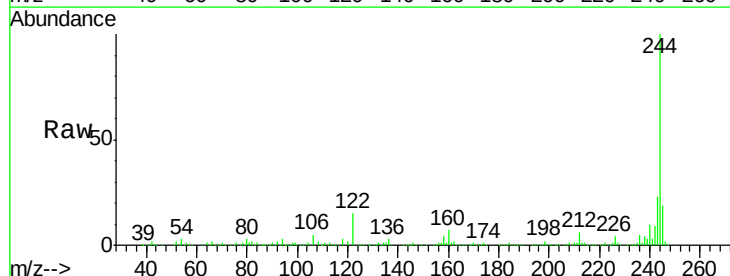
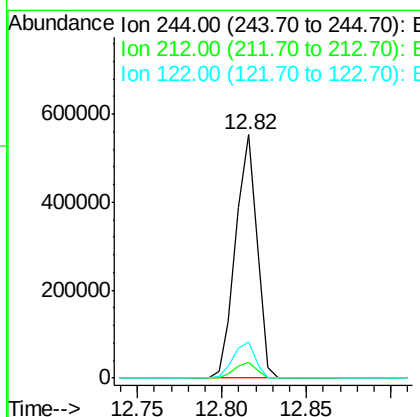
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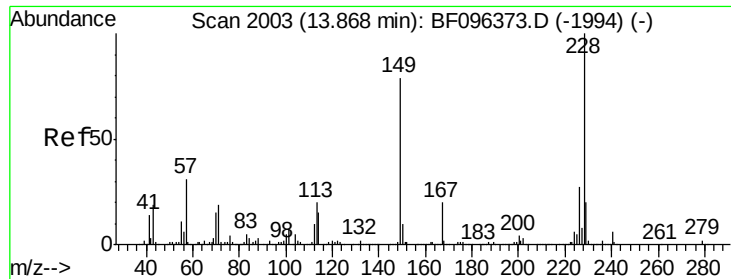
mohammad
 7/7/2017 1:30:23 PM



#78
 Terphenyl-d14
 Concen: 42.590 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: BF096545.D
 Acq: 6 Jul 2017 20:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	14.9	10.3	15.5





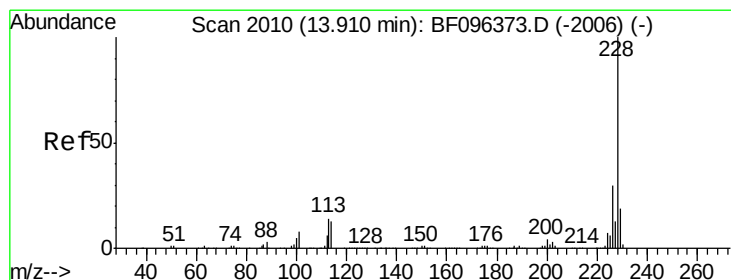
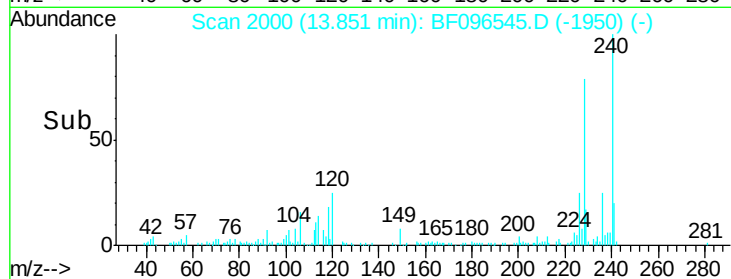
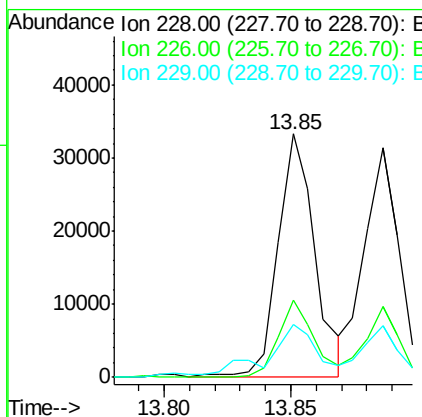
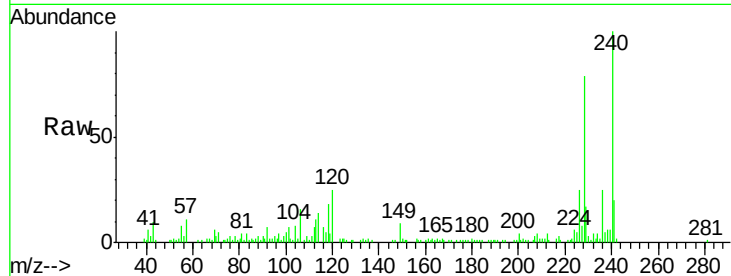
#80
 Benzo(a)anthracene
 Concen: 2.400 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF096545.D
 Acq: 6 Jul 2017 20:43

Instrument :
 BNA_F
 ClientSampleId :
 B4A-18-18.5

Tgt Ion:	228	Resp:	34001
Ion Ratio		Lower	Upper
228	100		
226	31.6	22.6	33.8
229	21.6	16.3	24.5

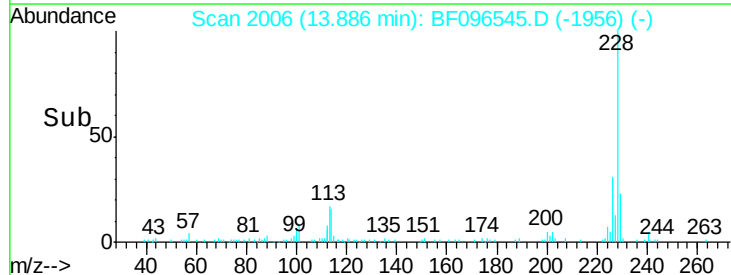
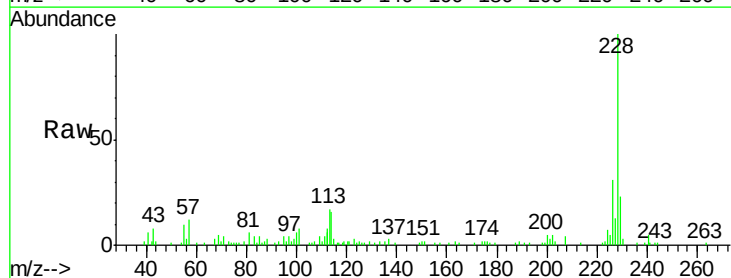
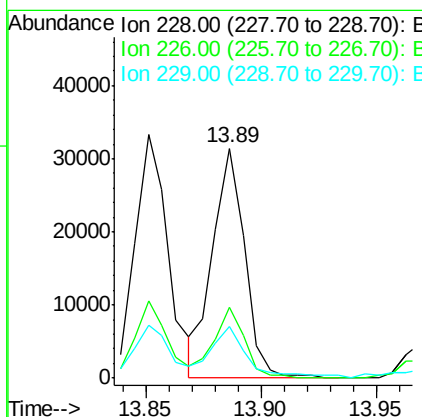
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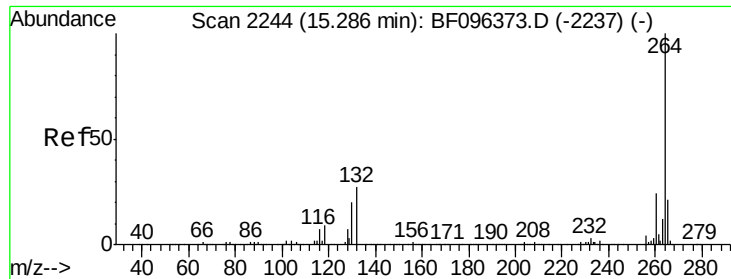
mohammad
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#82
 Chrysene
 Concen: 2.052 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF096545.D
 Acq: 6 Jul 2017 20:43

Tgt Ion:	228	Resp:	30441
Ion Ratio		Lower	Upper
228	100		
226	30.6	24.9	37.3
229	22.6	15.8	23.6





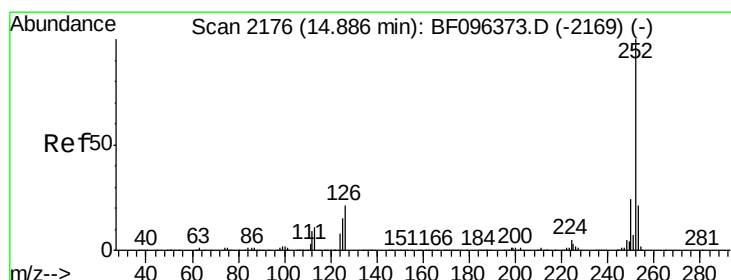
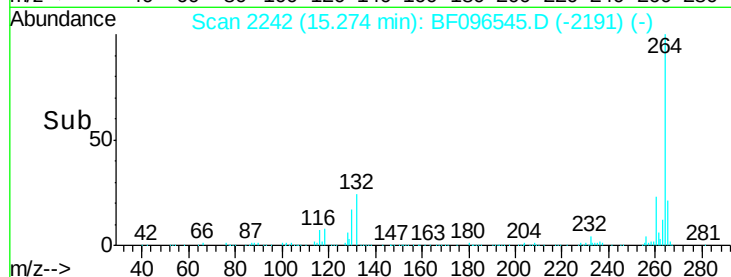
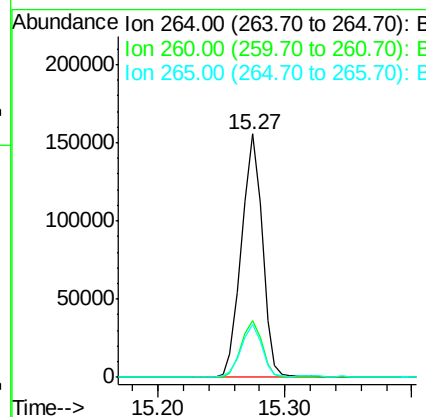
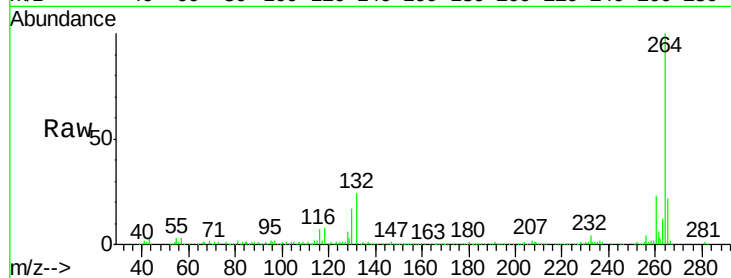
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. 0.00 min
 Lab File: BF096545.D
 Acq: 6 Jul 2017 20:43

Instrument :
 BNA_F
 ClientSampleId :
 B4A-18-18.5

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.6	17.2	25.8

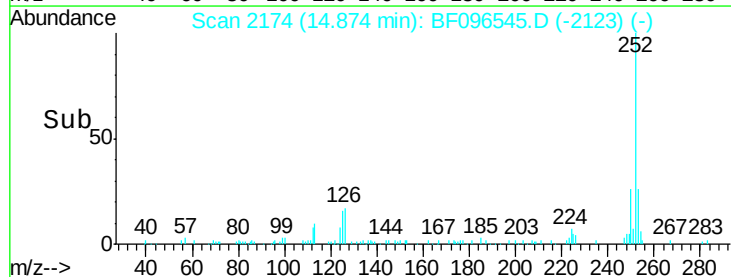
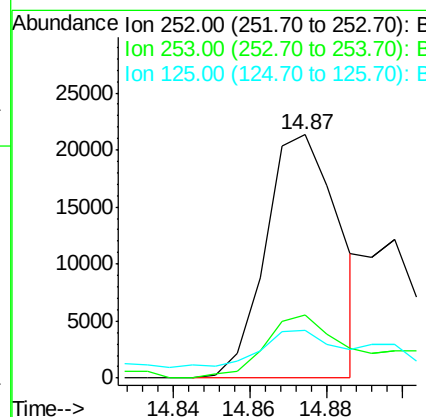
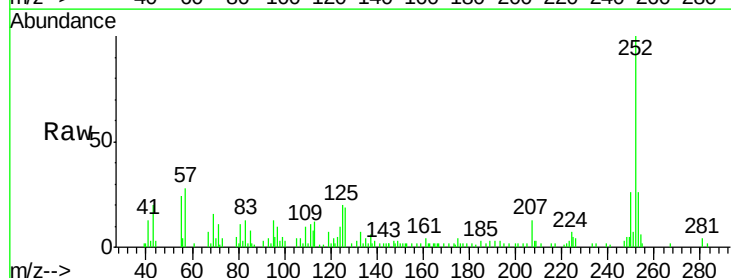
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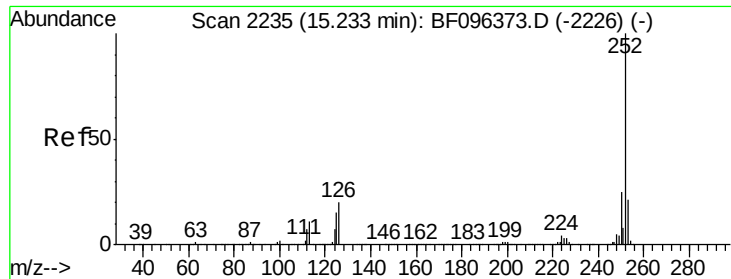
mohammad
 7/7/2017 1:30:23 PM



#87
 Benzo(b)fluoranthene
 Concen: 2.561 ng m
 RT: 14.87 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: BF096545.D
 Acq: 6 Jul 2017 20:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.1	27.1
125	19.8	9.8	14.8#





#89
Benzo(a)pyrene
Concen: 2.171 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF096545.D
Acq: 6 Jul 2017 20:43

Instrument :
BNA_F
ClientSampleId :
B4A-18-18.5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	19.7	11.0	16.4

Manual Integrations
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