

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\
 Data File : BF096624.D
 Acq On : 11 Jul 2017 1:56
 Operator : SJ/JU
 Sample : I4119-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-070717-B

Manual Integrations
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Quant Time: Jul 11 06:22:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	125084	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	445164	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	165946	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	239453	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	227122	20.00	ng	-0.02
86) Perylene-d12	15.23	264	185949	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	802003	94.64	ng	0.00
7) Phenol-d6	6.33	99	980680	94.13	ng	-0.02
23) Nitrobenzene-d5	7.25	82	555816	75.03	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	137240	105.88	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	888313	91.52	ng	-0.02
78) Terphenyl-d14	12.78	244	551573	51.89	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.44	163	286494	23.13	ng	98
70) Phenanthrene	11.22	178	47150	3.64	ng	99
74) Fluoranthene	12.40	202	75000	5.91	ng	99
77) Pyrene	12.63	202	94800	5.20	ng	97
80) Benzo(a)anthracene	13.82	228	36316m	2.76	ng	
82) Chrysene	13.84	228	43047	3.13	ng	96
87) Benzo(b)fluoranthene	14.83	252	41414m	3.55	ng	
89) Benzo(a)pyrene	15.16	252	32613	3.14	ng	# 89
91) Benzo(g,h,i)perylene	16.96	276	17205	2.03	ng	# 87

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

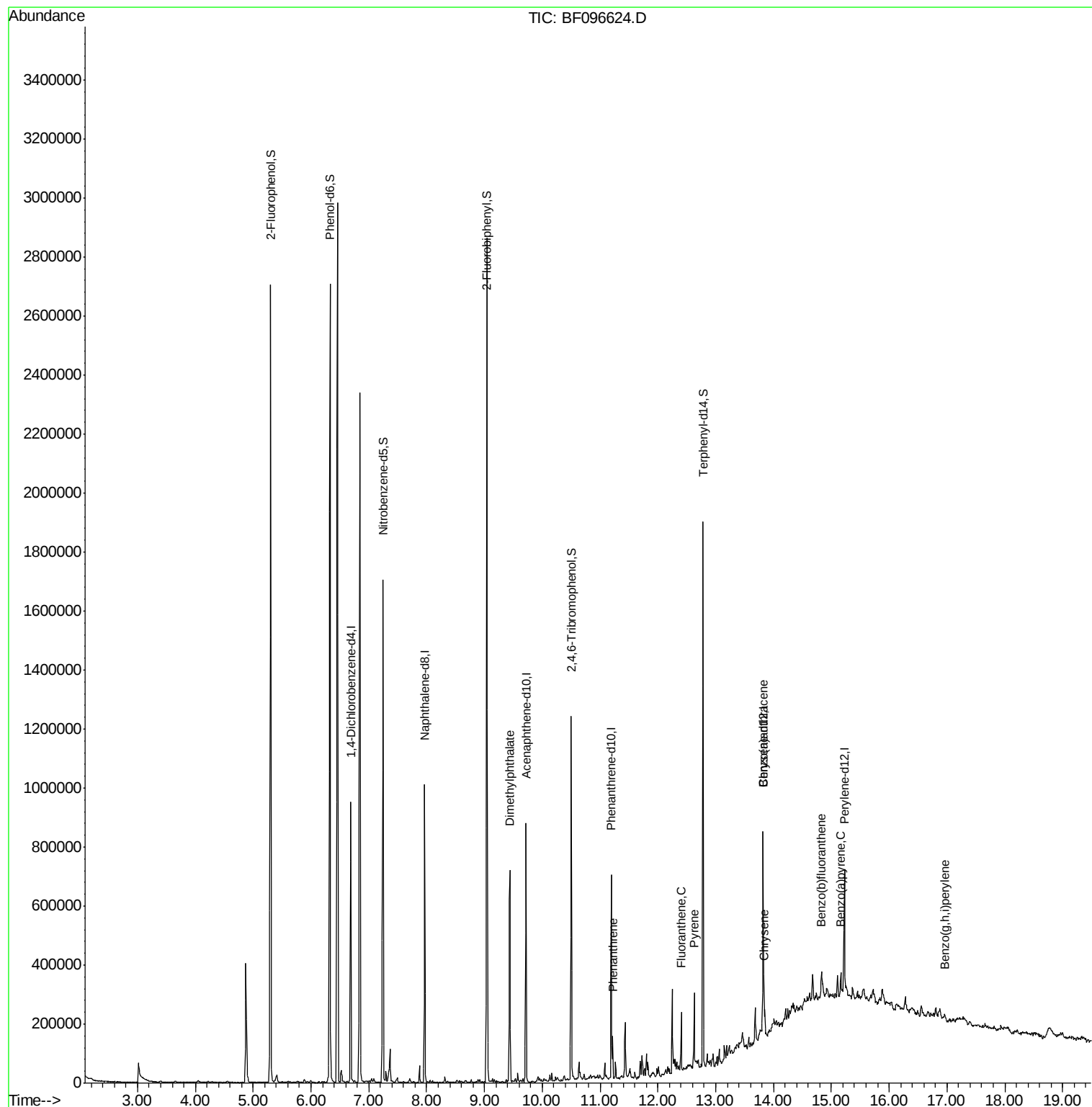
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\
Data File : BF096624.D
Acq On : 11 Jul 2017 1:56
Operator : SJ/JU
Sample : I4119-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

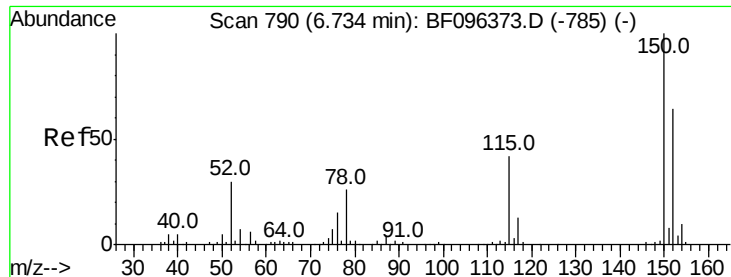
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Jul 11 06:22:52 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

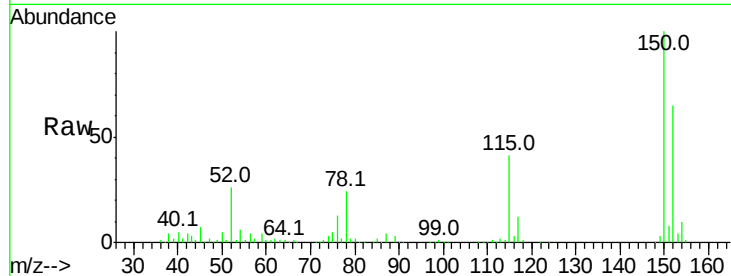
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096624.D
Acq: 11 Jul 2017 1:56

Instrument :
BNA_F
ClientSampleId :
EO-03-070717-B

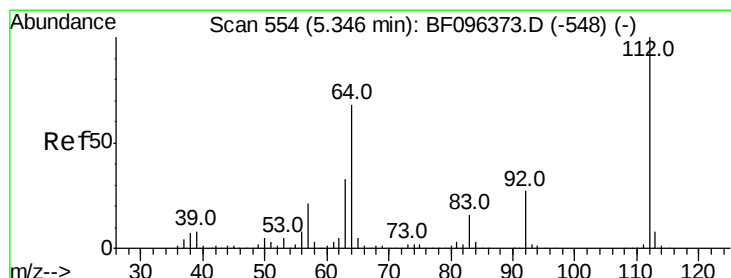
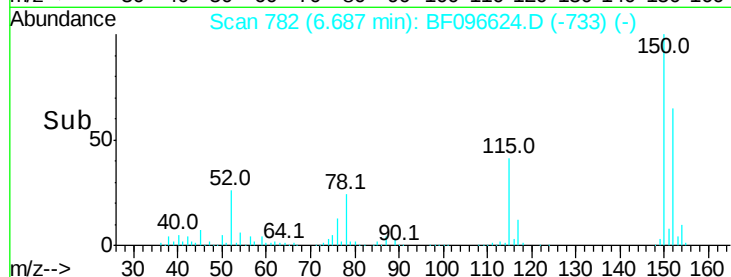
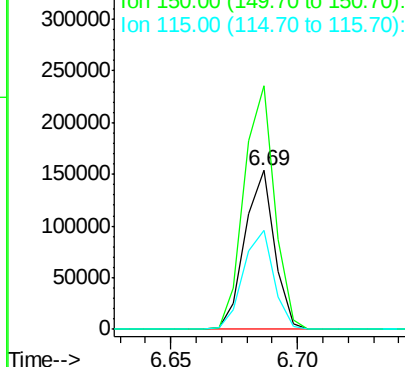
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	126.2	189.2
115	62.4	52.2	78.2

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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

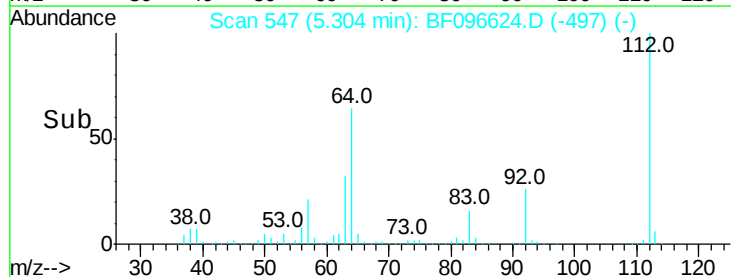
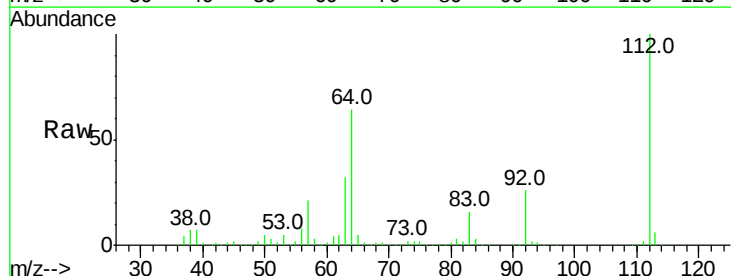
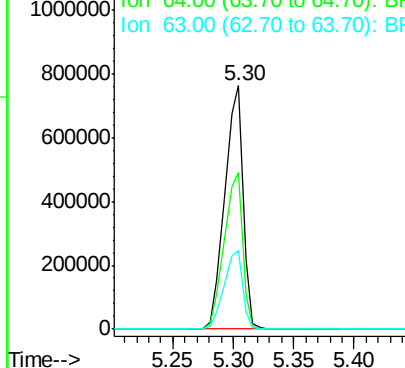


#5

2-Fluorophenol
Concen: 94.64 ng
RT: 5.30 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF096624.D
Acq: 11 Jul 2017 1:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	46.0	69.0
63	32.1	23.4	35.0

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: 94.13 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

Instrument :

BNA_F

ClientSampleId :

EO-03-070717-B

Tot Ion: 99 Resp: 980680

Ion Ratio Lower Upper

99 100

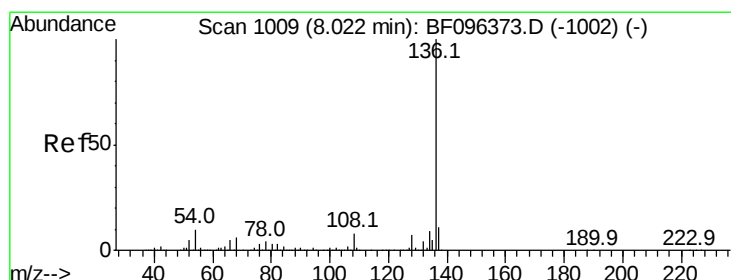
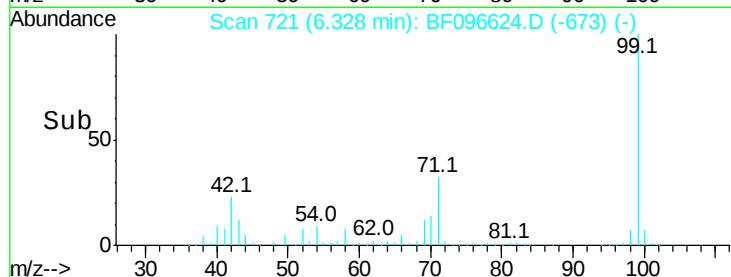
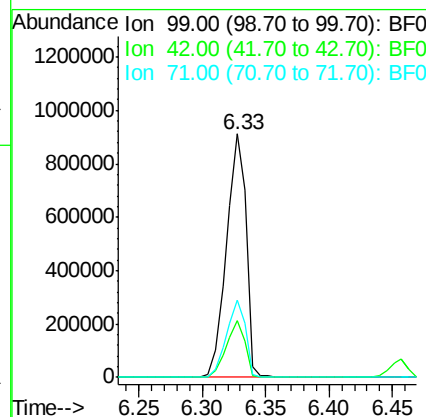
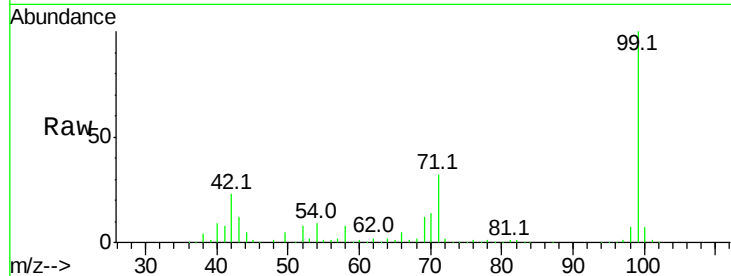
42 23.2 13.5 20.3#

71 31.9 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

Tgt Ion: 136 Resp: 445164

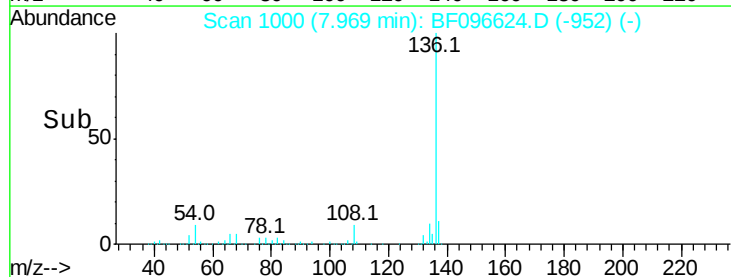
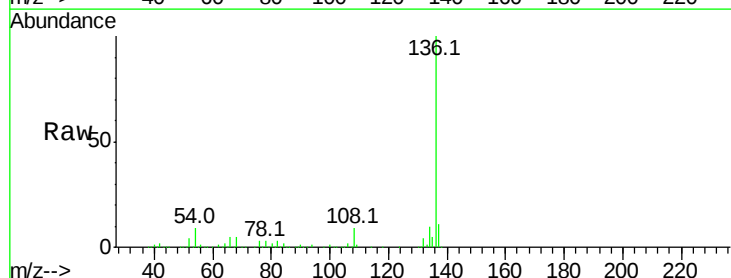
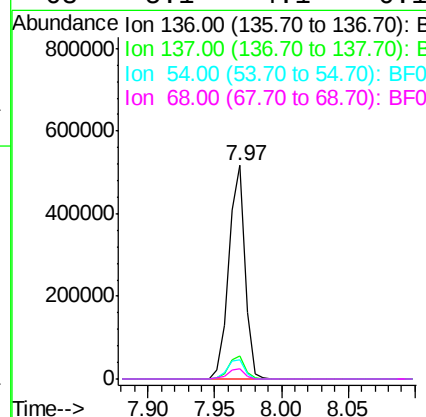
Ion Ratio Lower Upper

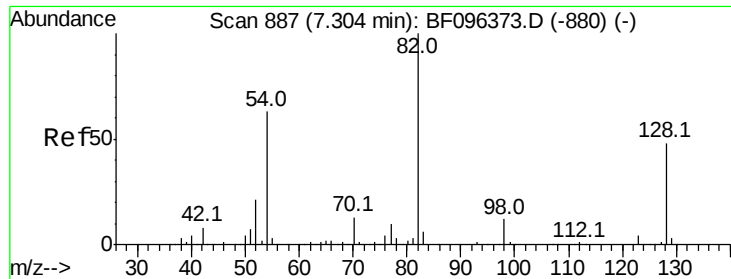
136 100

137 10.6 8.5 12.7

54 9.1 4.9 7.3#

68 5.1 4.1 6.1





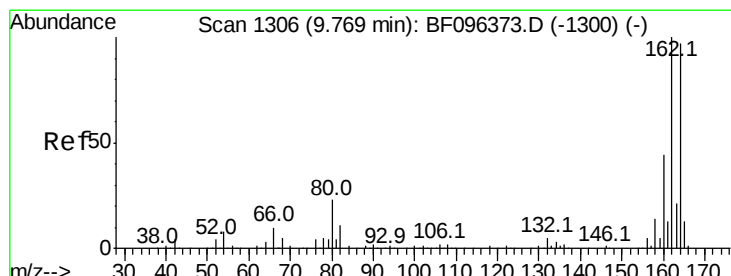
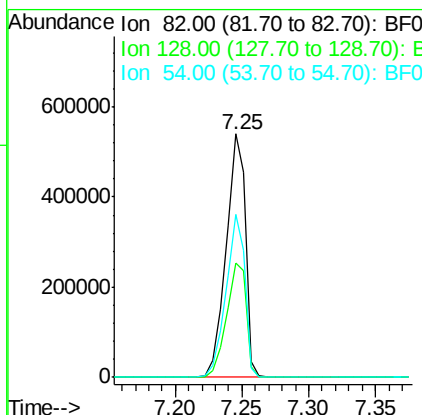
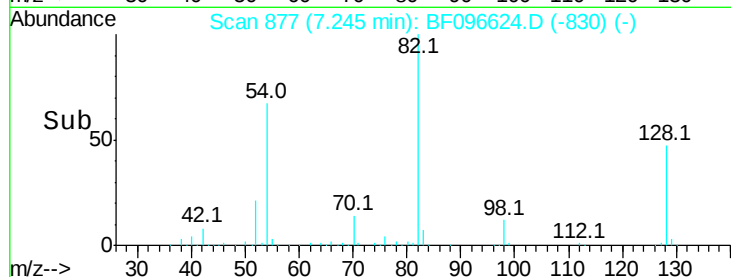
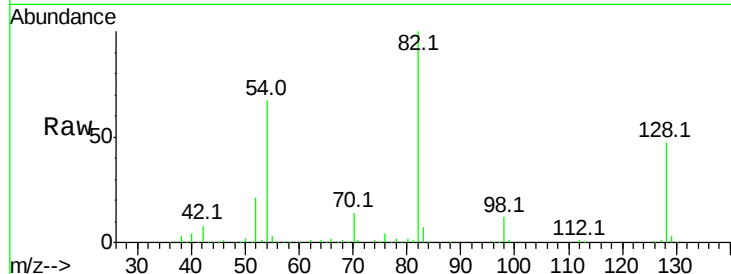
#23
Nitrobenzene-d5
Concen: 75.03 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.02 min
Lab File: BF096624.D
Acq: 11 Jul 2017 1:56

Instrument :
BNA_F
ClientSampleId :
EO-03-070717-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	34.0	51.0
54	66.9	42.2	63.2

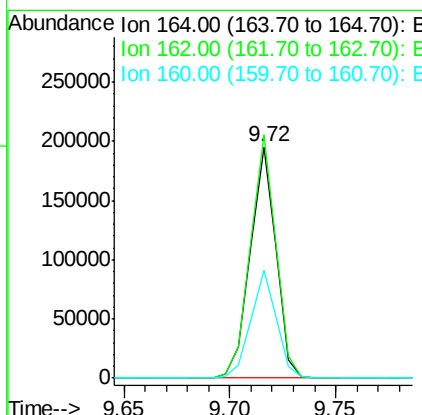
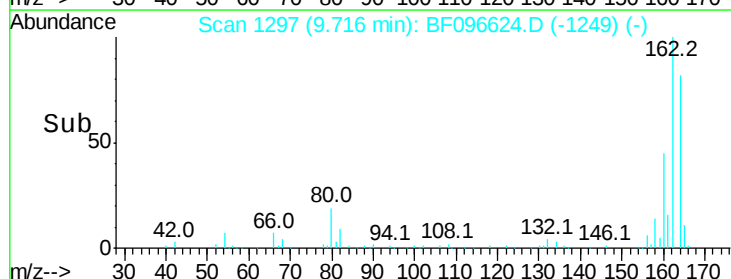
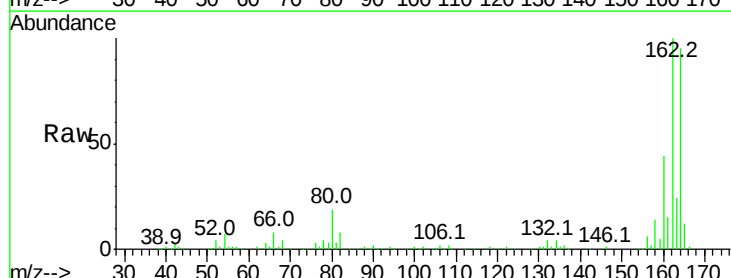
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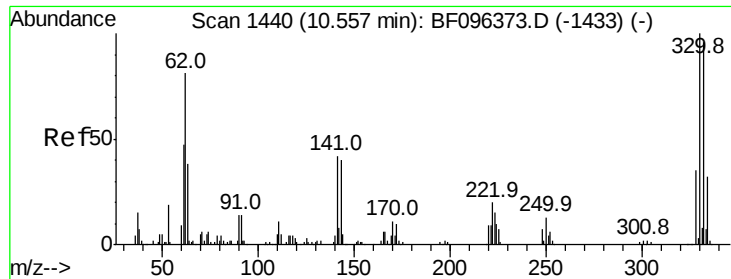
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF096624.D
Acq: 11 Jul 2017 1:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.6	123.8
160	46.6	36.2	54.2





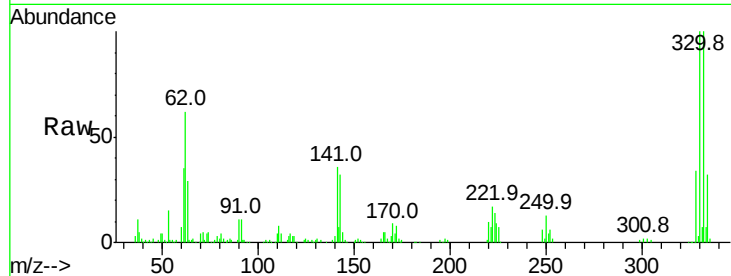
#41
 2,4,6-Tribromophenol
 Concen: 105.88 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096624.D
 Acq: 11 Jul 2017 1:56

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-070717-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	137240		
332	97.5	76.6	115.0	
141	39.3	31.4	47.2	

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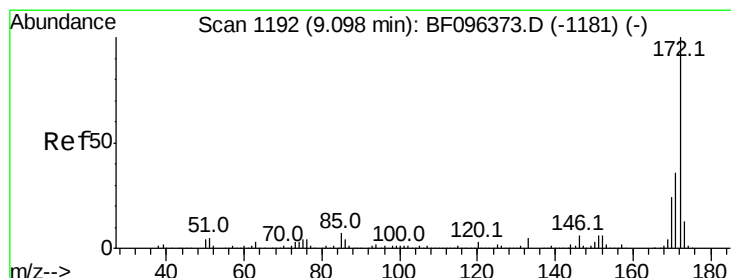
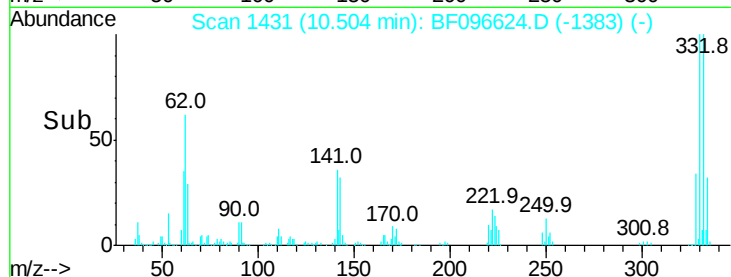
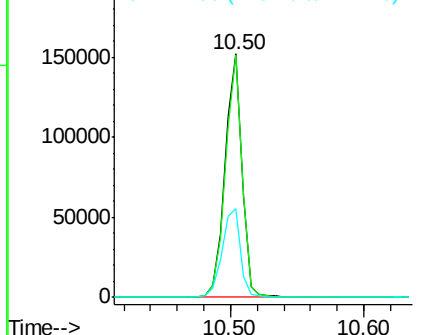


Abundance

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: 91.52 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF096624.D
 Acq: 11 Jul 2017 1:56

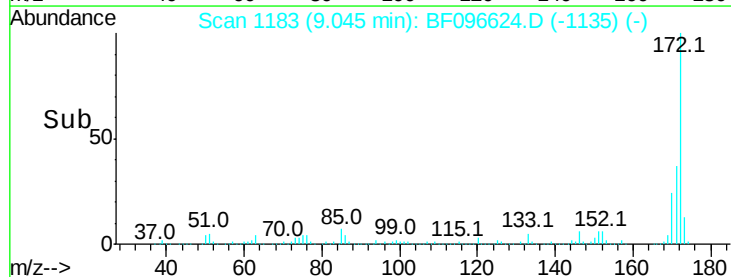
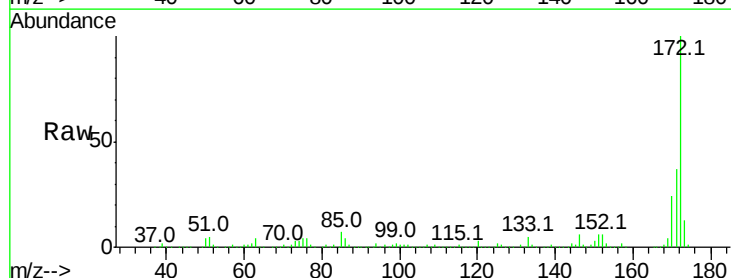
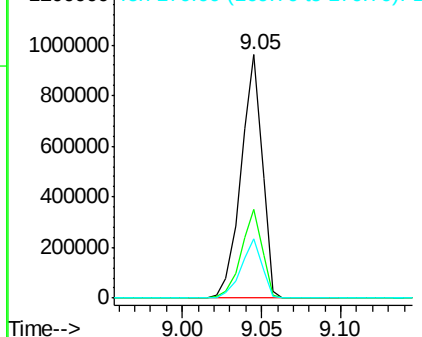
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	888313		
171	36.6	29.6	44.4	
170	24.2	19.8	29.8	

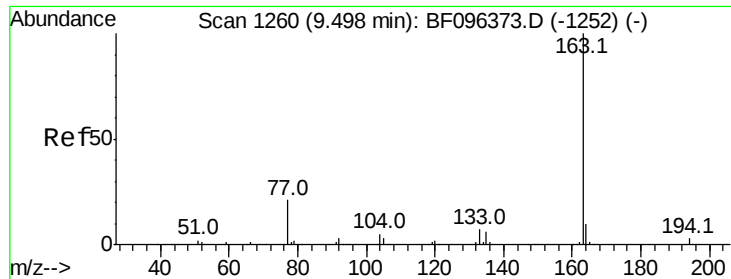
Abundance

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





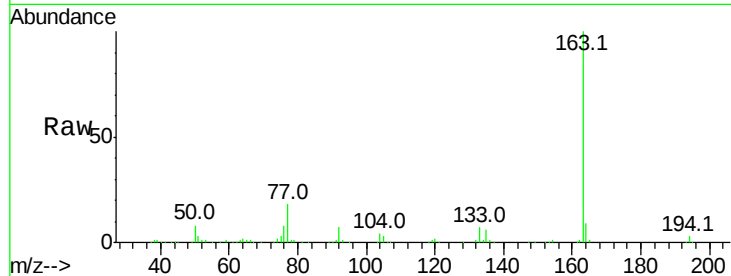
#49
Dimethylphthalate
Concen: 23.13 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF096624.D
Acq: 11 Jul 2017 1:56

Instrument :
BNA_F
ClientSampleId :
EO-03-070717-B

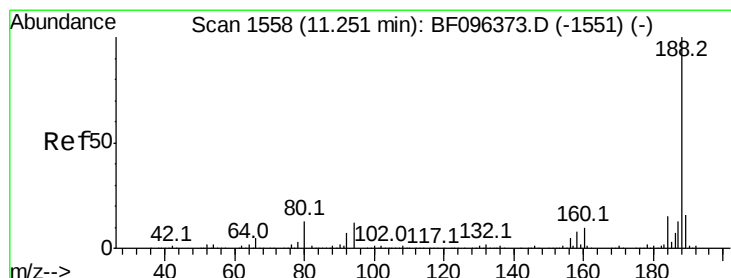
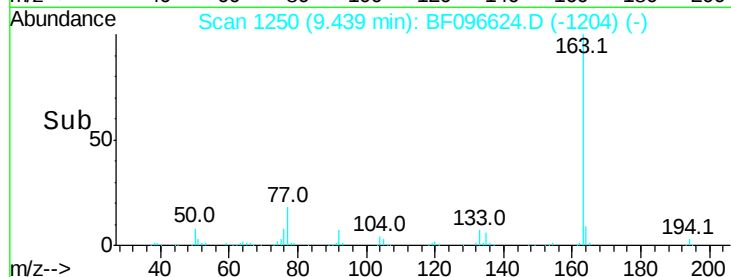
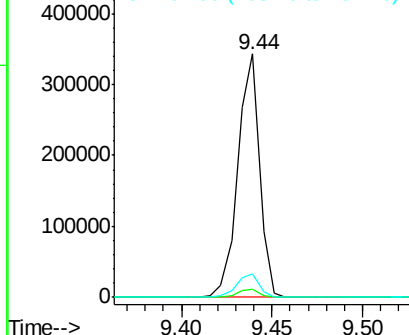
Tot Ion	Ratio	Resp	Lower	Upper
163	100	286494		
194	3.4		2.6	4.0
164	9.5		8.4	12.6

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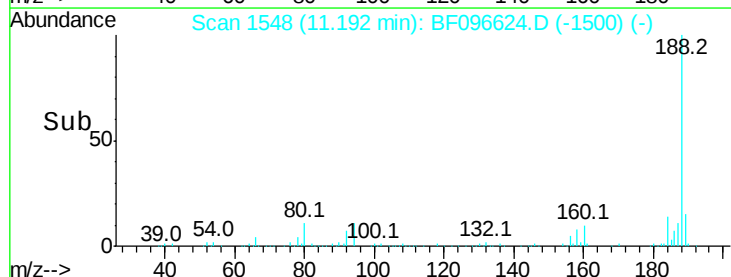
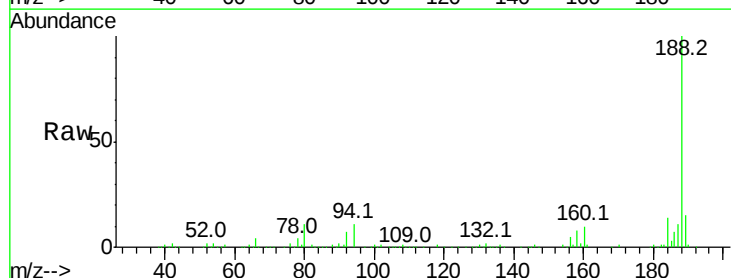
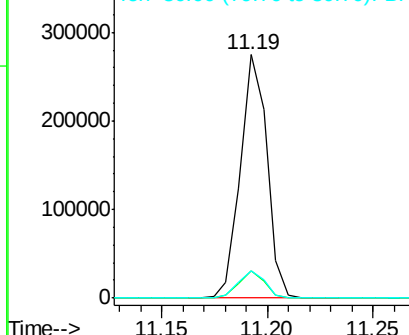
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

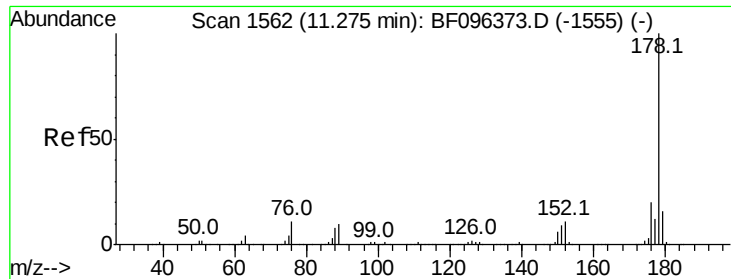


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.02 min
Lab File: BF096624.D
Acq: 11 Jul 2017 1:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	239453		
94	11.3		9.4	14.2
80	11.1		10.2	15.2

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: 3.64 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.02 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

Instrument :

BNA_F

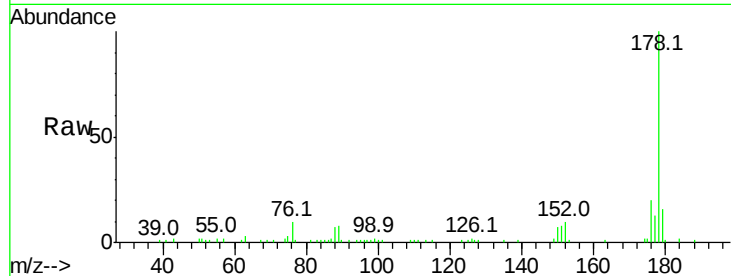
ClientSampleId :

EO-03-070717-B

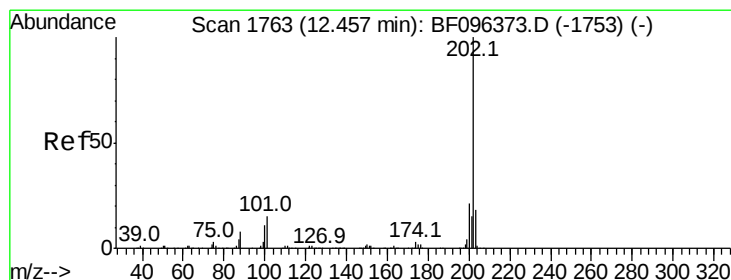
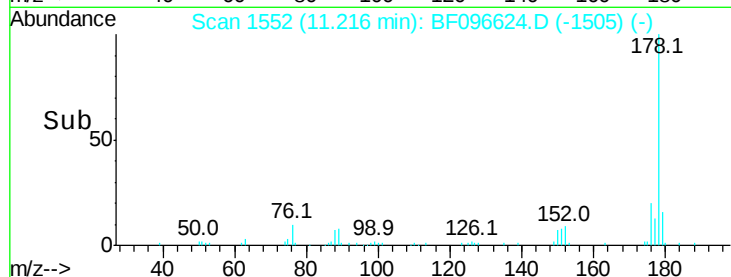
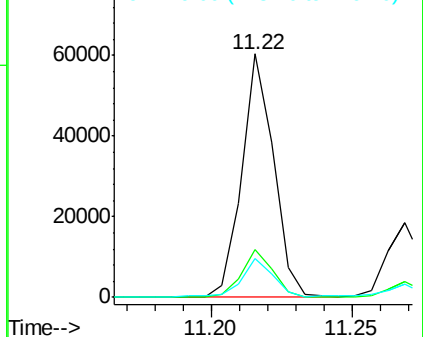
Tot Ion:	178	Resp:	47150
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.2	24.4
179	15.8	12.6	19.0

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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: 5.91 ng

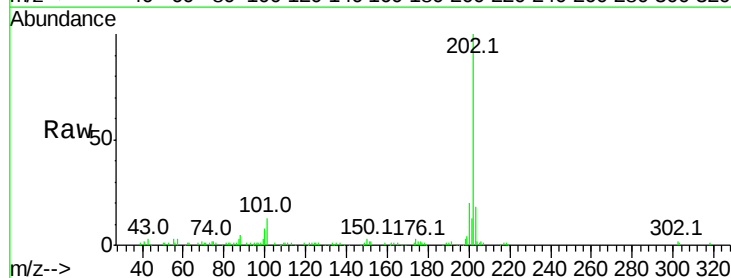
RT: 12.40 min Scan# 1754

Delta R.T. -0.02 min

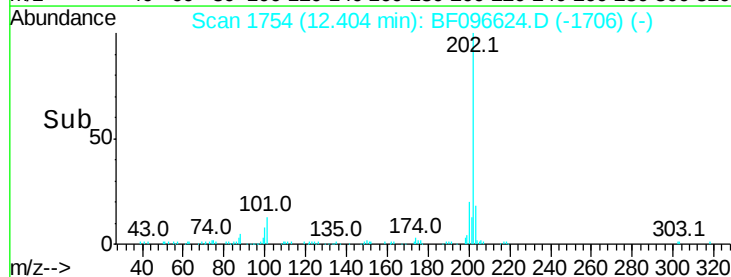
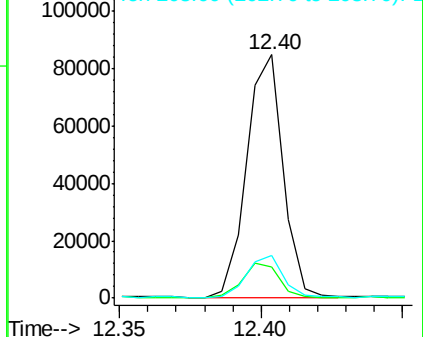
Lab File: BF096624.D

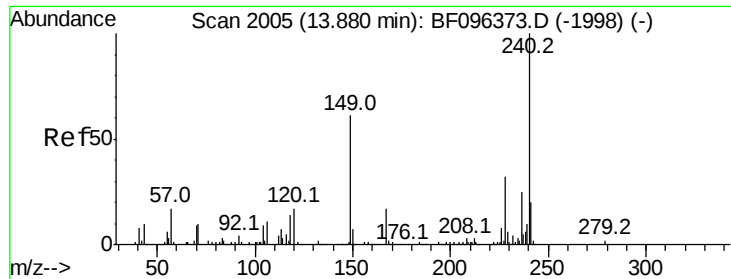
Acq: 11 Jul 2017 1:56

Tgt Ion:	202	Resp:	75000
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	33.2
203	17.6	0.0	38.1



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: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

Instrument :

BNA_F

ClientSampleId :

EO-03-070717-B

Tot Ion:240 Resp: 227122

Ion Ratio Lower Upper

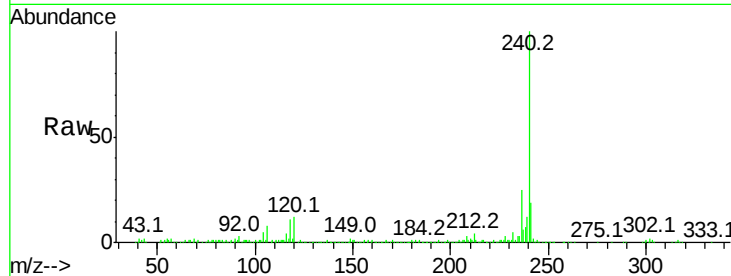
240 100

120 11.8 5.8 8.8#

236 24.9 20.5 30.7

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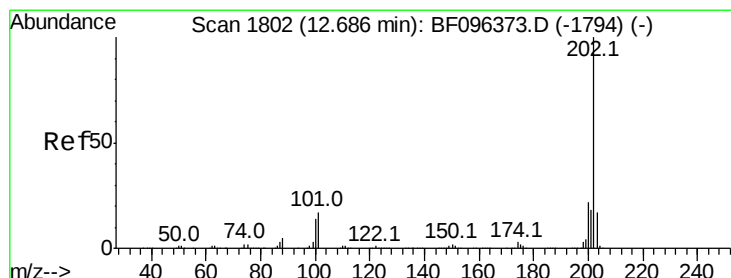
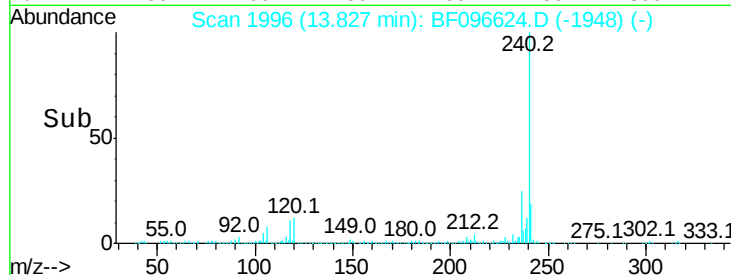
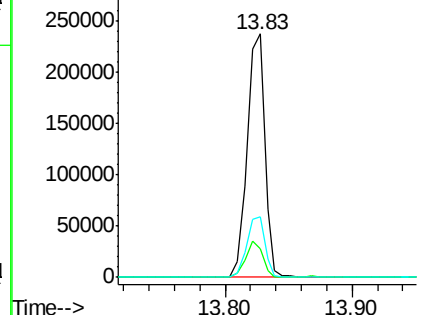
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.20 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

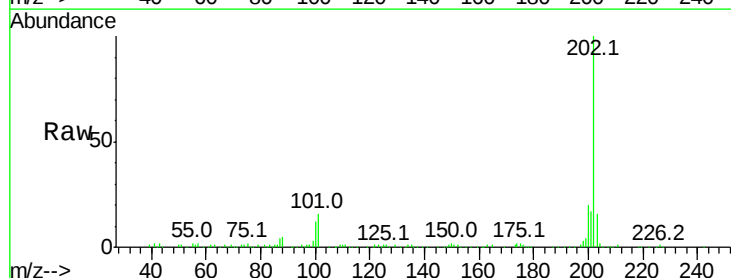
Tgt Ion:202 Resp: 94800

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

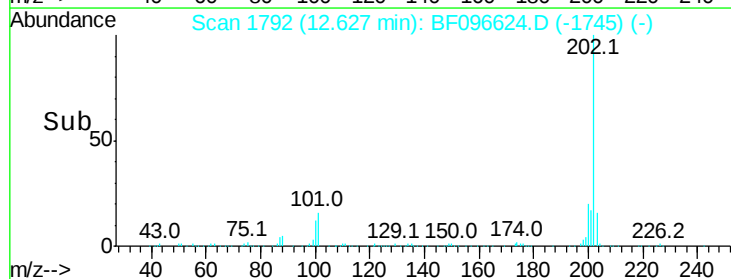
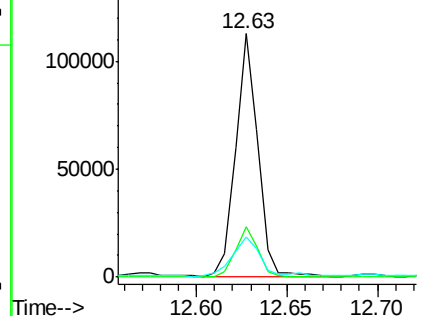
203 16.4 14.4 21.6

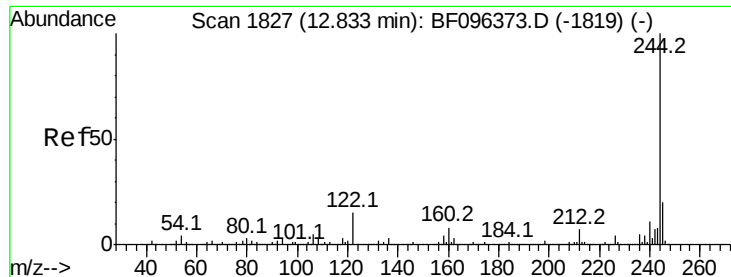


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





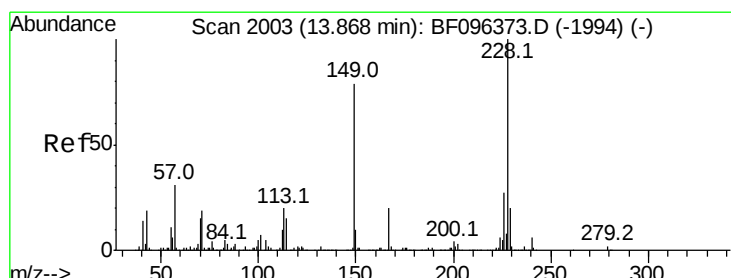
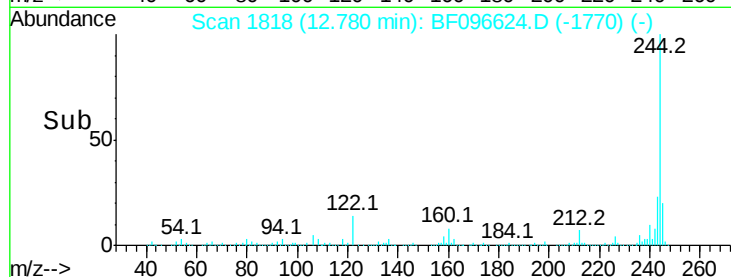
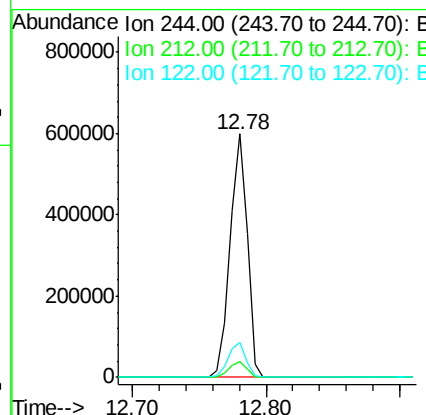
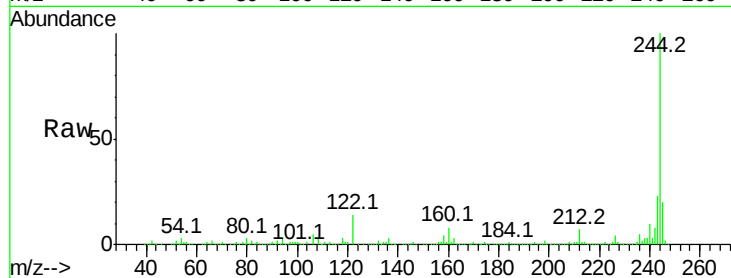
#78
 Terphenyl-d14
 Concen: 51.89 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BF096624.D
 Acq: 11 Jul 2017 1:56

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-070717-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	14.5	10.3	15.5

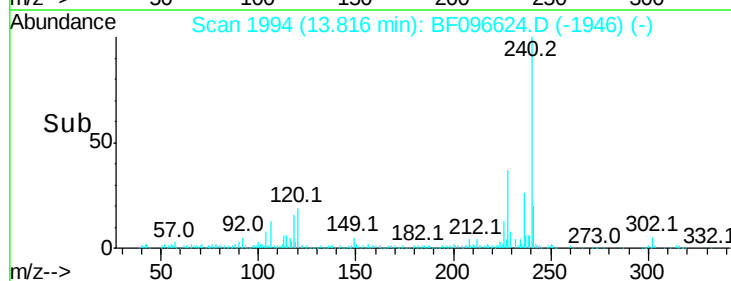
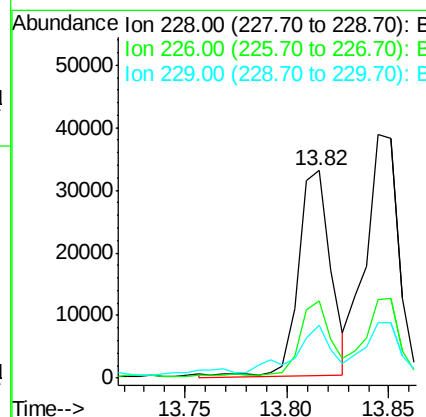
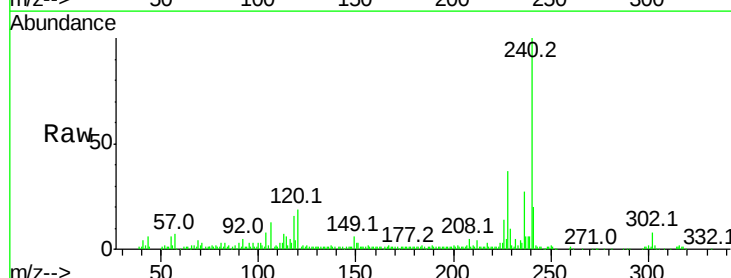
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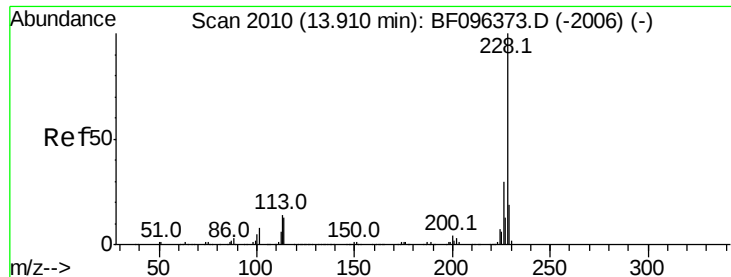
mohammad
 7/11/2017 1:35:38 PM



#80
 Benzo(a)anthracene
 Concen: 2.76 ng m
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.02 min
 Lab File: BF096624.D
 Acq: 11 Jul 2017 1:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.2	22.6	33.8#
229	25.6	16.3	24.5#





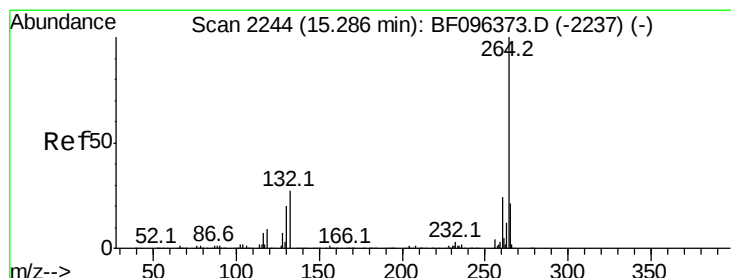
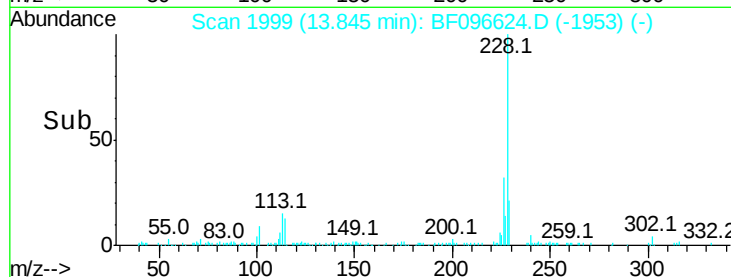
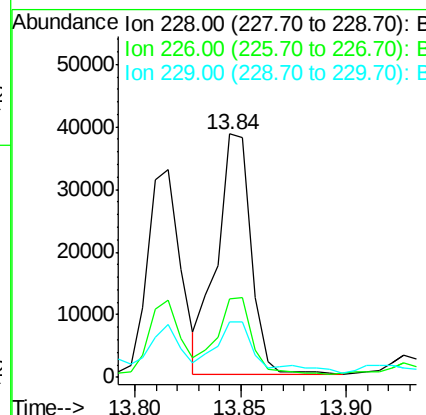
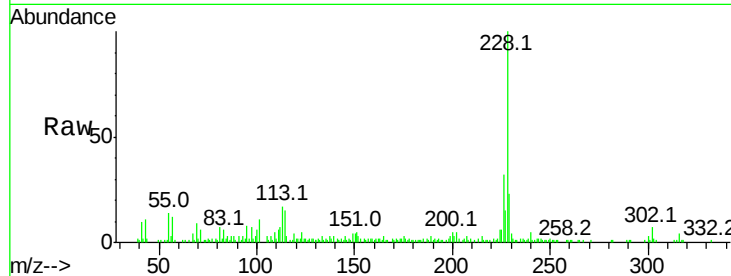
#82
 Chrysene
 Concen: 3.13 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. -0.03 min
 Lab File: BF096624.D
 Acq: 11 Jul 2017 1:56

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-070717-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.9	37.3
229	22.7	15.8	23.6

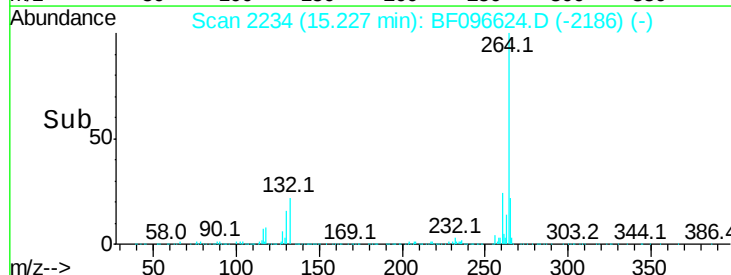
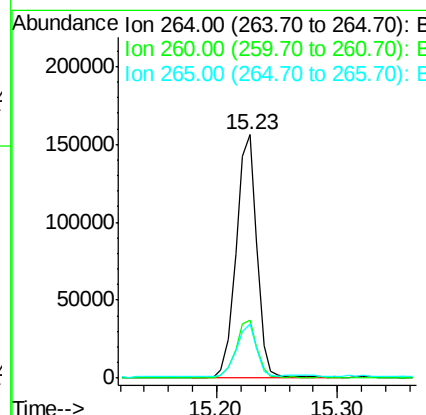
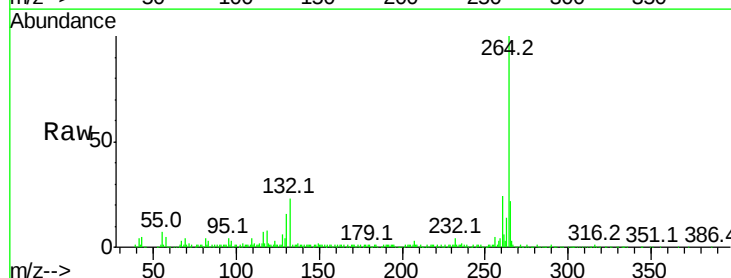
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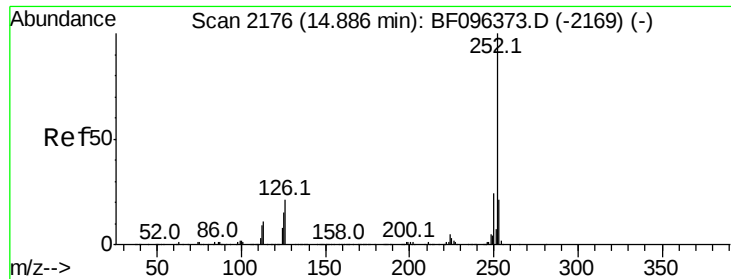
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. -0.02 min
 Lab File: BF096624.D
 Acq: 11 Jul 2017 1:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.1	17.2	25.8





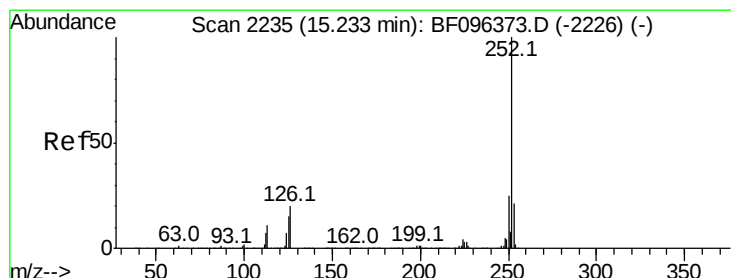
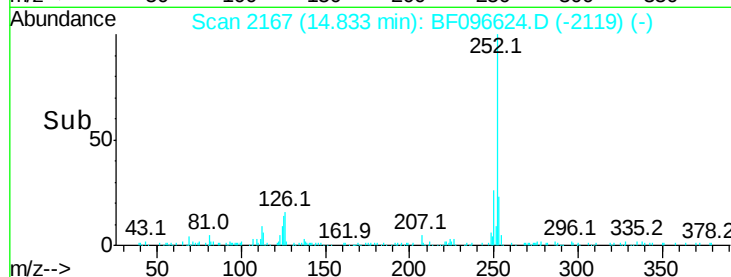
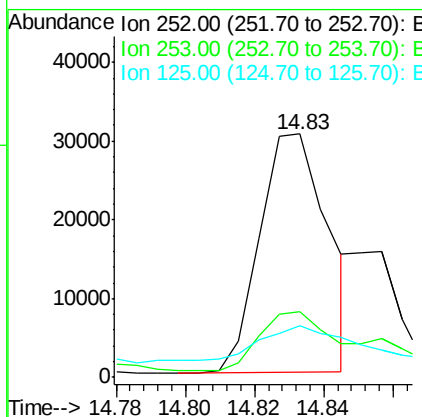
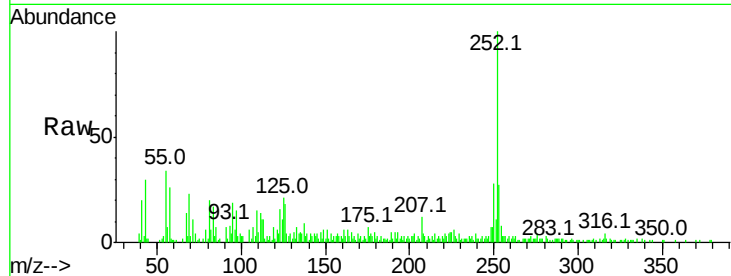
#87
Benzo(b)fluoranthene
Concen: 3.55 ng m
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF096624.D
Acq: 11 Jul 2017 1:56

Instrument :
BNA_F
ClientSampleId :
EO-03-070717-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.1	27.1
125	21.4	9.8	14.8#

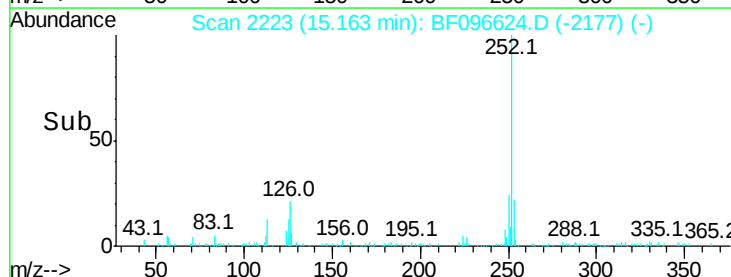
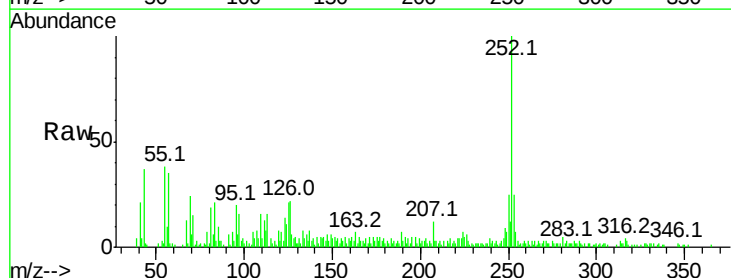
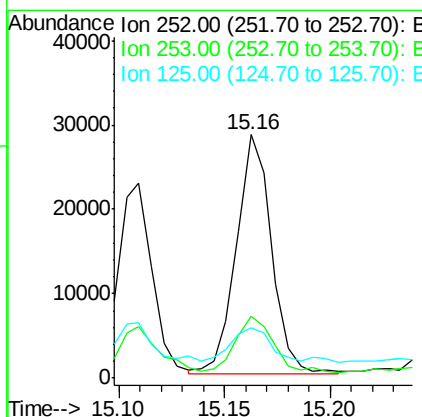
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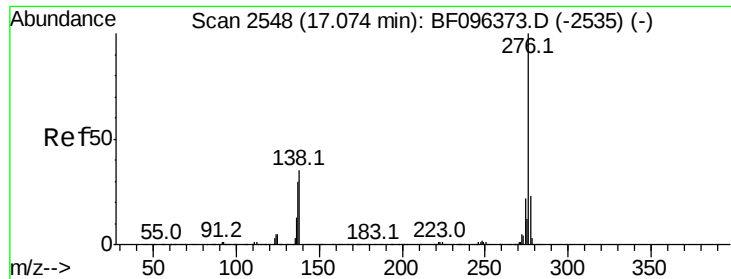
mohammad
7/11/2017 1:35:38 PM



#89
Benzo(a)pyrene
Concen: 3.14 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.03 min
Lab File: BF096624.D
Acq: 11 Jul 2017 1:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.5	26.3
125	20.6	11.0	16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 2.03 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. -0.04 min
 Lab File: BF096624.D
 Acq: 11 Jul 2017 1:56

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-070717-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.6	28.0
138	42.2	25.4	38.0

Manual Integrations
 APPROVED

mohammad
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