

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096286.D
 Acq On : 29 Jun 2017 12:41
 Operator : SJ/MA
 Sample : I3906-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-062317-A

Manual Integrations
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mohammad
 6/30/2017 2:51:42 PM

Quant Time: Jun 29 17:59:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	187246	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	764999	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	302447	20.00	ng	0.00
63) Phenanthrene-d10	11.28	188	433983	20.00	ng	0.00
75) Chrysene-d12	13.92	240	342522	20.00	ng	0.00
86) Perylene-d12	15.34	264	279450	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1301935	100.17	ng	0.01
7) Phenol-d6	6.40	99	1575801	100.13	ng	0.01
23) Nitrobenzene-d5	7.33	82	922883	83.51	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	285678	120.02	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1224062	74.12	ng	-0.02
78) Terphenyl-d14	12.87	244	750029	54.64	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.52	163	672852	31.09	ng	99
70) Phenanthrene	11.30	178	437403	14.98	ng	99
71) Anthracene	11.36	178	156454	6.45	ng	98
74) Fluoranthene	12.49	202	526316	21.83	ng	96
77) Pyrene	12.72	202	457491	16.25	ng	99
80) Benzo(a)anthracene	13.90	228	203930	9.77	ng	100
82) Chrysene	13.94	228	175395m	8.12	ng	
85) Indeno(1,2,3-cd)pyrene	16.73	276	62176	3.47	ng	97
87) Benzo(b)fluoranthene	14.93	252	197684m	10.77	ng	
88) Benzo(k)fluoranthene	14.96	252	59646m	3.56	ng	
89) Benzo(a)pyrene	15.28	252	135101	8.33	ng	# 95
91) Benzo(a,h,i)perylene	17.15	276	60645	4.60	ng	94

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

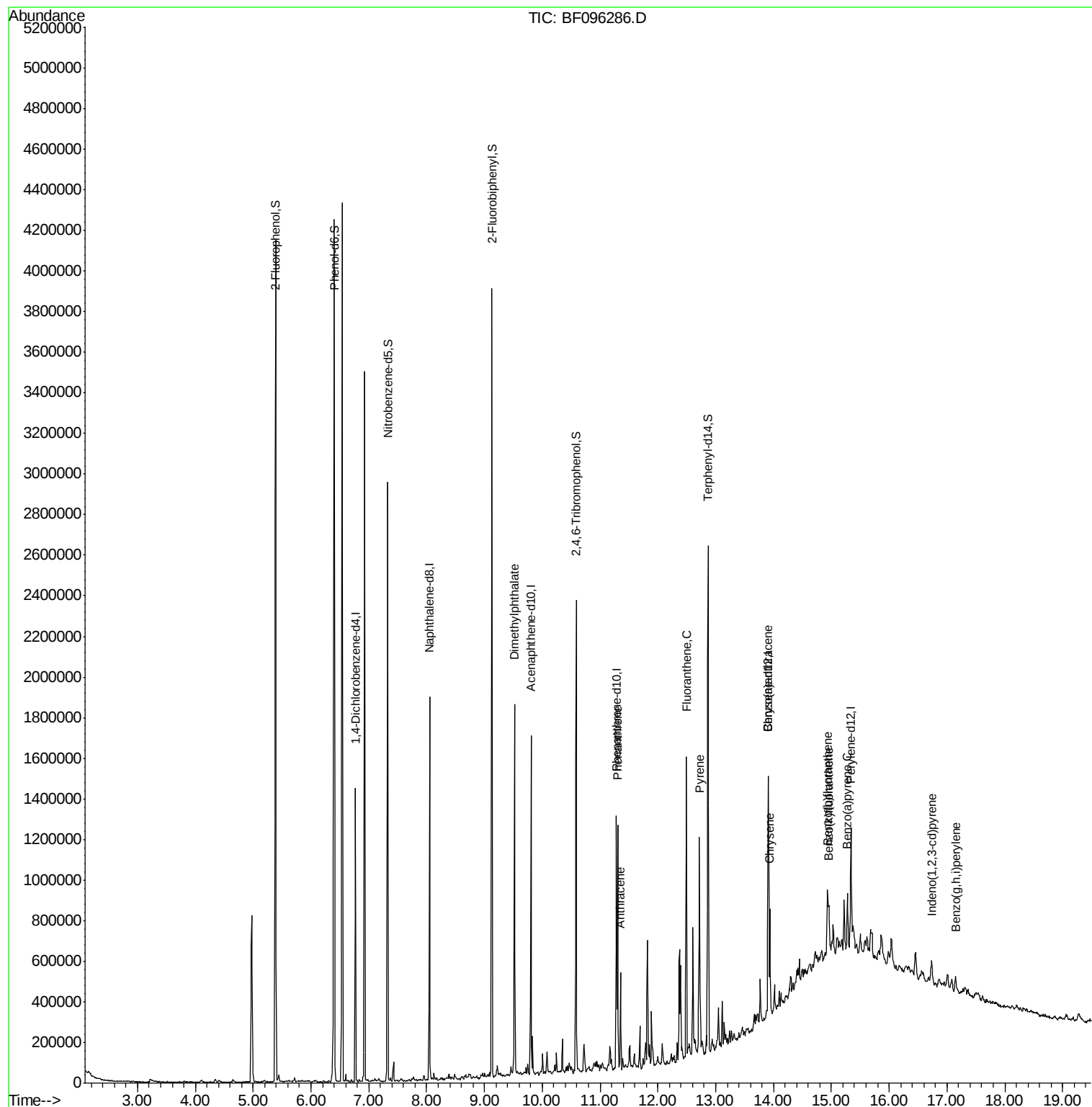
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
Data File : BF096286.D
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Operator : SJ/MA
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#1

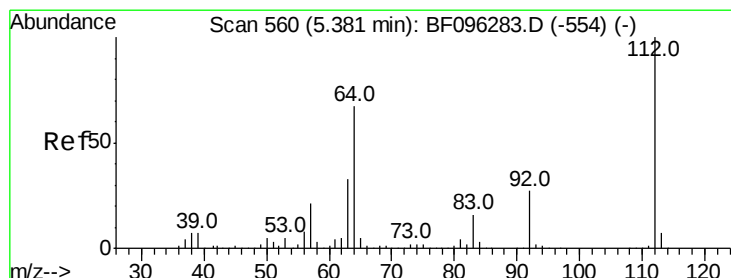
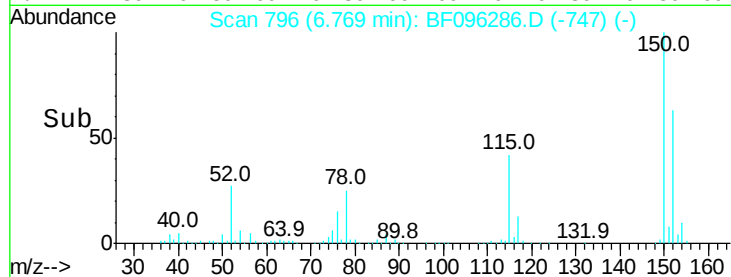
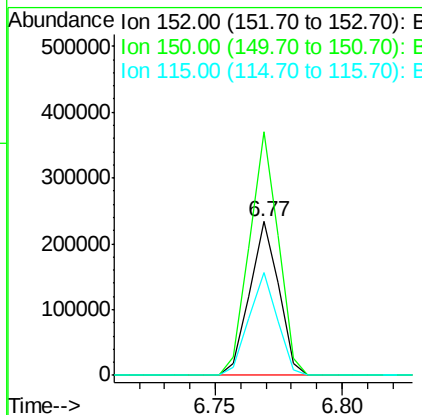
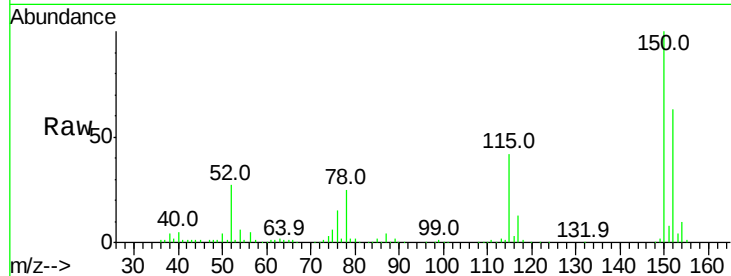
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096286.D
Acq: 29 Jun 2017 12:41

Instrument :
BNA_F
ClientSampleId :
EO-02-062317-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.2	189.2
115	66.6	52.2	78.2

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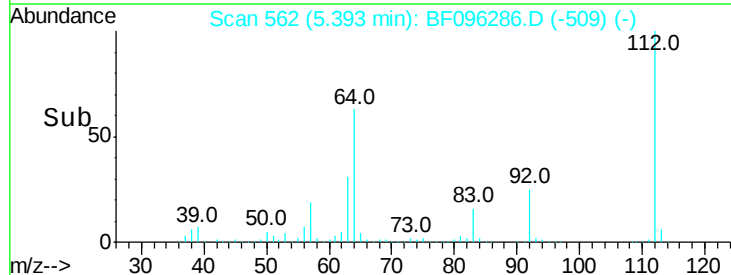
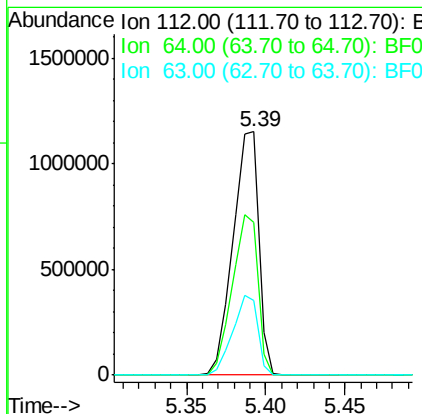
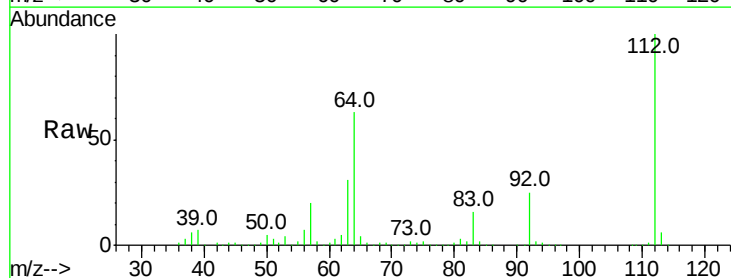
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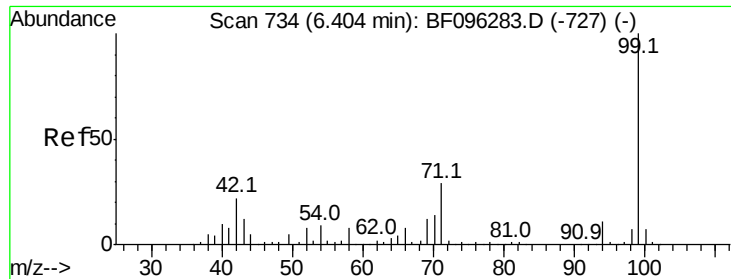


#5

2-Fluorophenol
Concen: 100.17 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF096286.D
Acq: 29 Jun 2017 12:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	46.0	69.0
63	30.7	23.4	35.0





#7

Phenol-d6

Concen: 100.13 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096286.D

Acq: 29 Jun 2017 12:41

Instrument :

BNA_F

ClientSampleId :

EO-02-062317-A

Tot Ion: 99 Resp: 1575801

Ion Ratio Lower Upper

99 100

42 21.5 13.5 20.3#

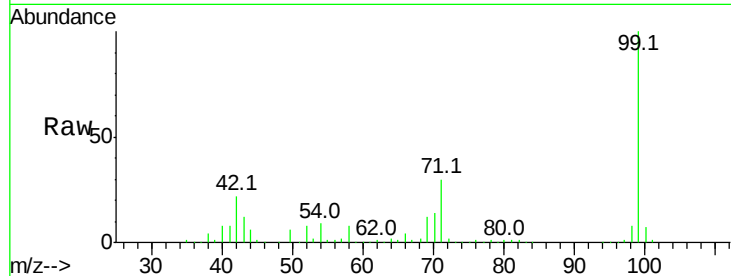
71 30.4 24.5 36.7

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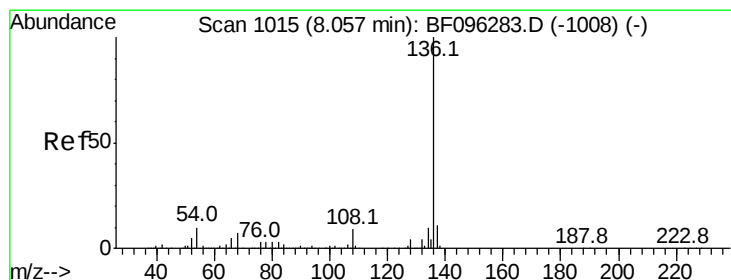
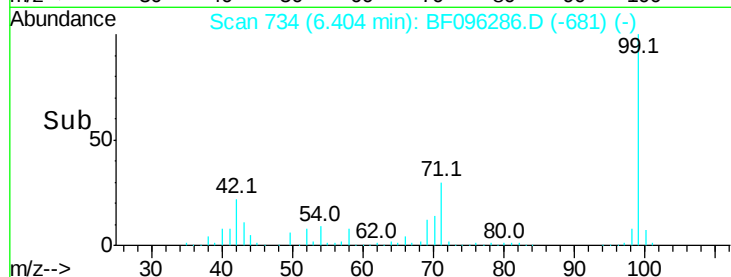
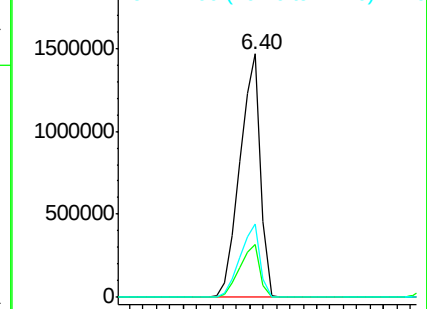
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF096286.D

Acq: 29 Jun 2017 12:41

Tgt Ion: 136 Resp: 764999

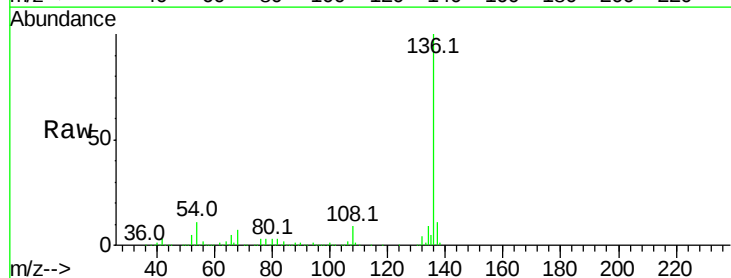
Ion Ratio Lower Upper

136 100

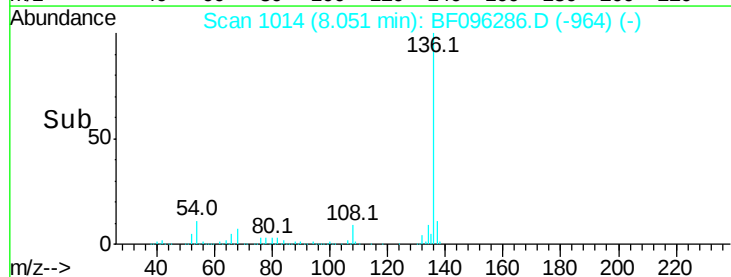
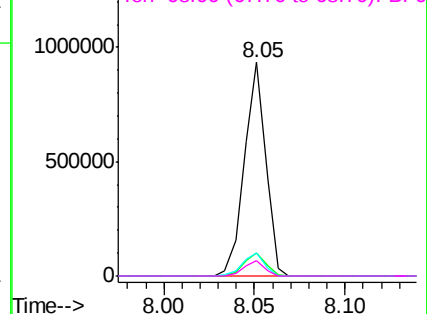
137 10.9 8.5 12.7

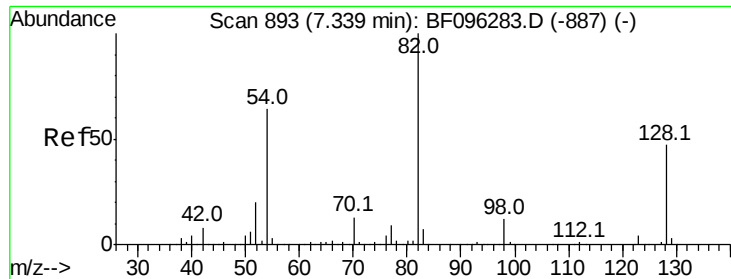
54 10.7 4.9 7.3#

68 7.0 4.1 6.1#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





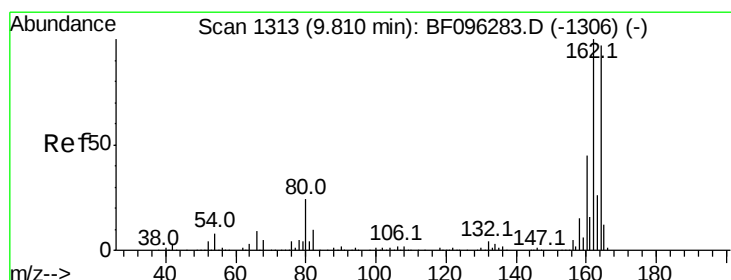
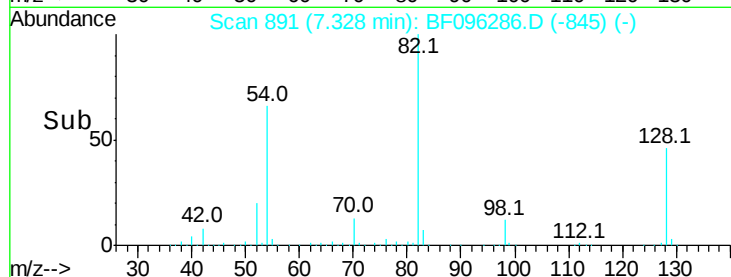
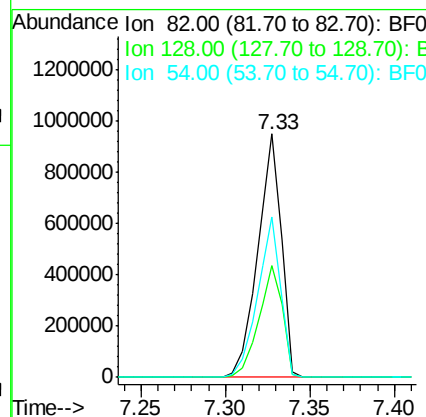
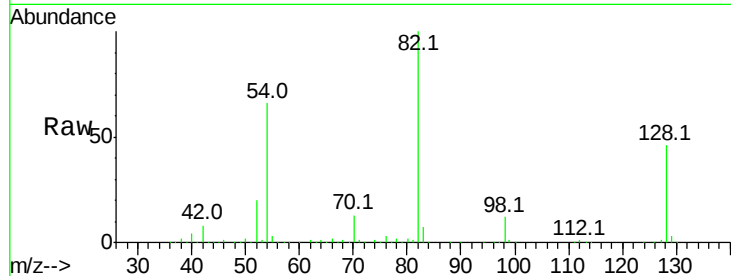
#23
 Nitrobenzene-d5
 Concen: 83.51 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.03 min
 Lab File: BF096286.D
 Acq: 29 Jun 2017 12:41

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-062317-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	34.0	51.0
54	65.9	42.2	63.2

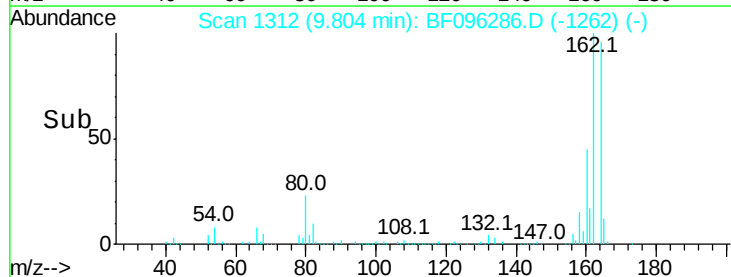
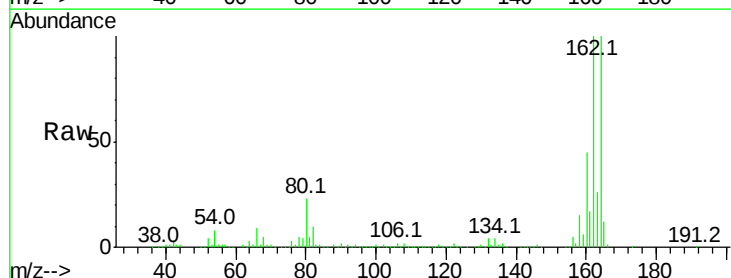
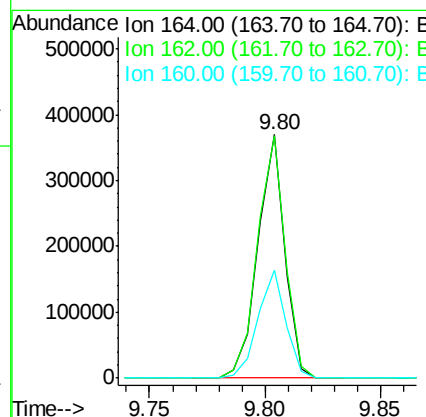
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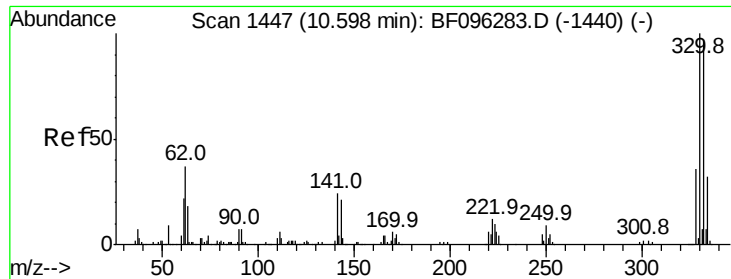
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BF096286.D
 Acq: 29 Jun 2017 12:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.7	82.6	123.8
160	44.6	36.2	54.2





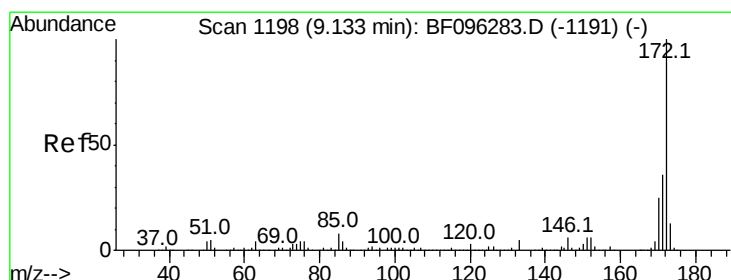
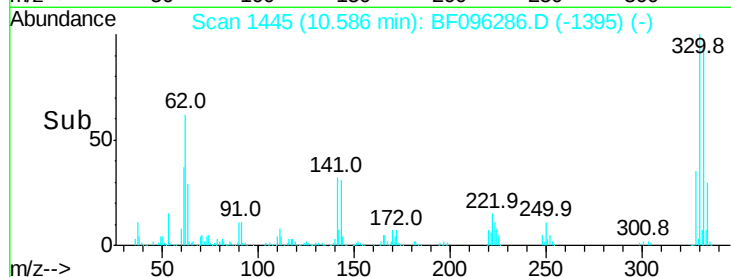
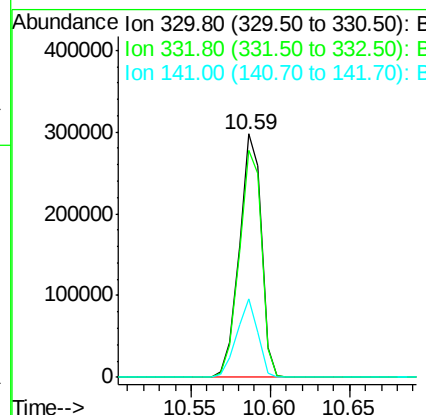
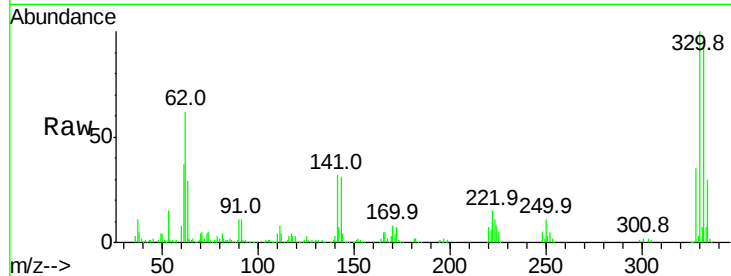
#41
 2,4,6-Tribromophenol
 Concen: 120.02 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF096286.D
 Acq: 29 Jun 2017 12:41

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-062317-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	285678		
332	94.9	76.6	115.0	
141	31.2	31.4	47.2#	

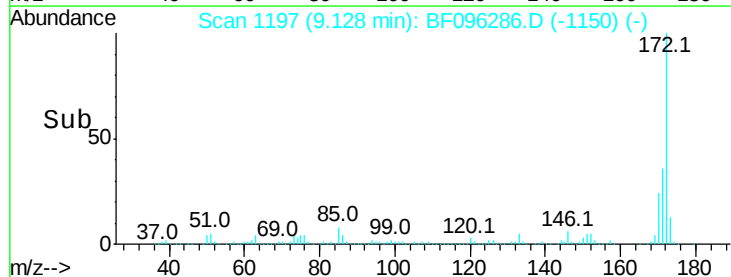
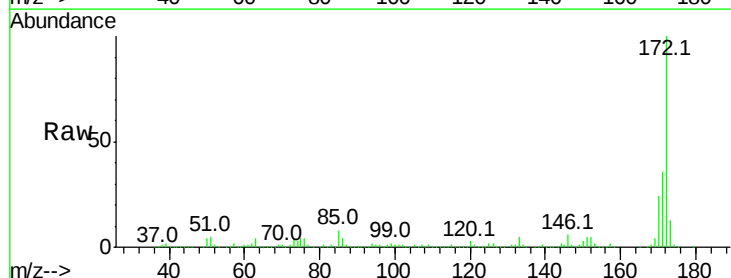
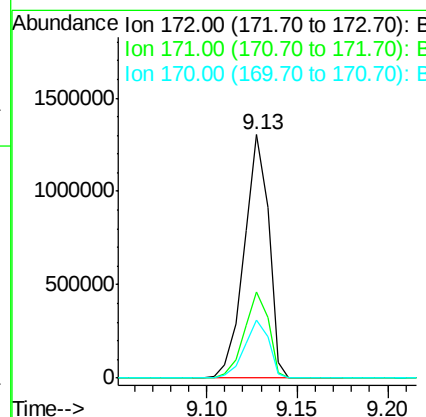
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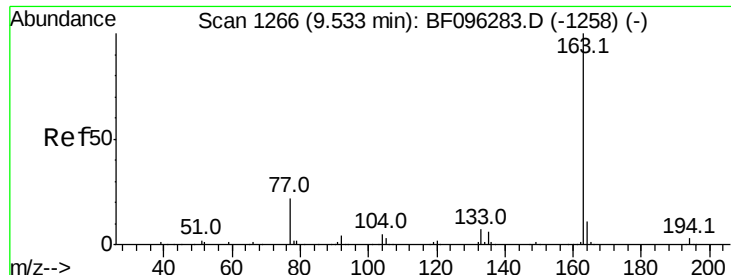
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#44
 2-Fluorobiphenyl
 Concen: 74.12 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF096286.D
 Acq: 29 Jun 2017 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1224062		
171	35.6	29.6	44.4	
170	23.8	19.8	29.8	





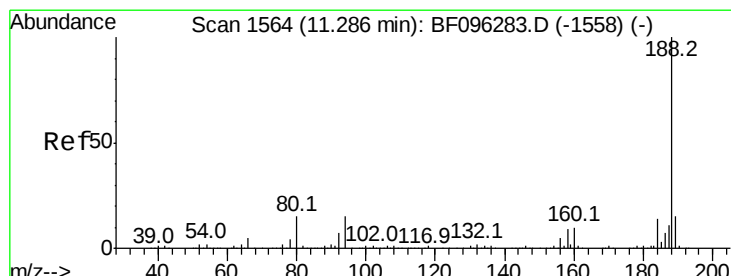
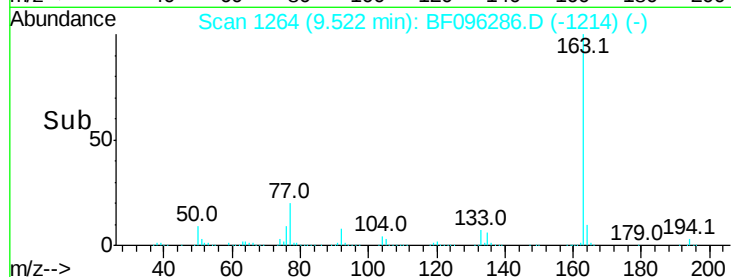
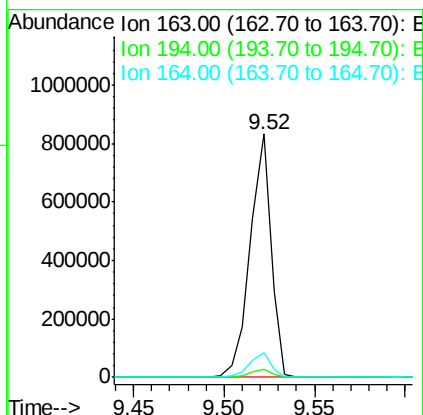
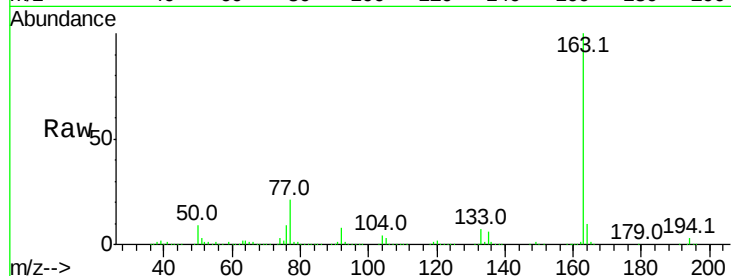
#49
Dimethylphthalate
Concen: 31.09 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096286.D
Acq: 29 Jun 2017 12:41

Instrument :
BNA_F
ClientSampleId :
EO-02-062317-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	672852		
194	3.1		2.6	4.0
164	10.1		8.4	12.6

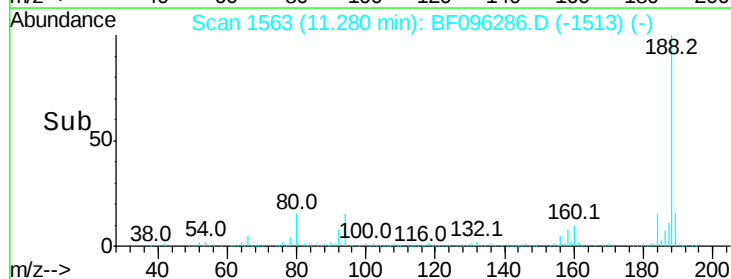
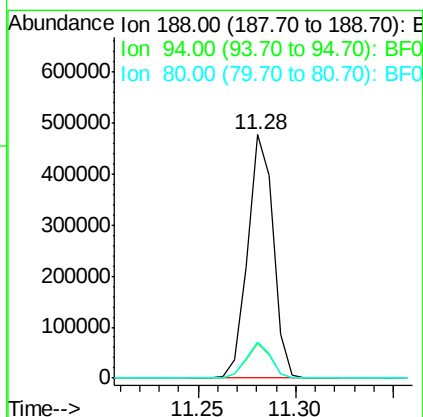
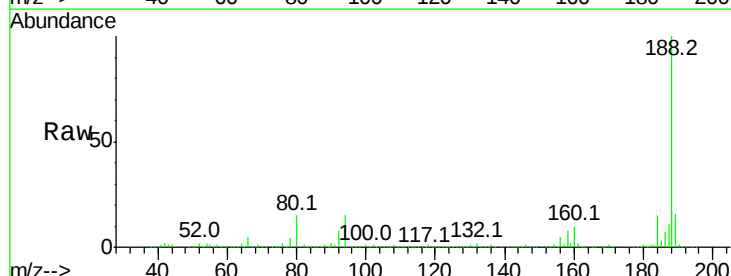
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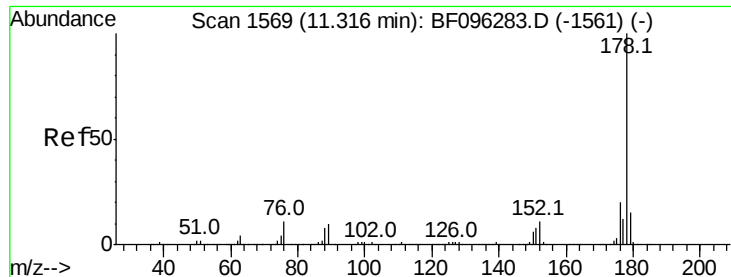
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF096286.D
Acq: 29 Jun 2017 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	433983		
94	14.6		9.4	14.2#
80	14.9		10.2	15.2





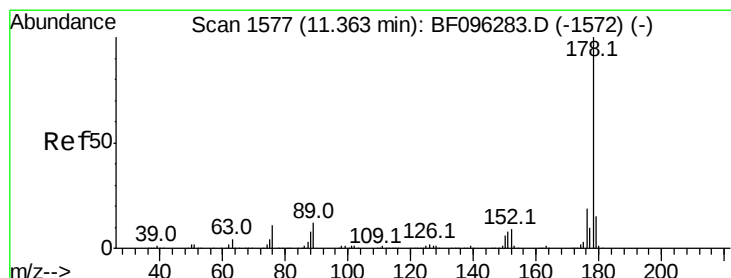
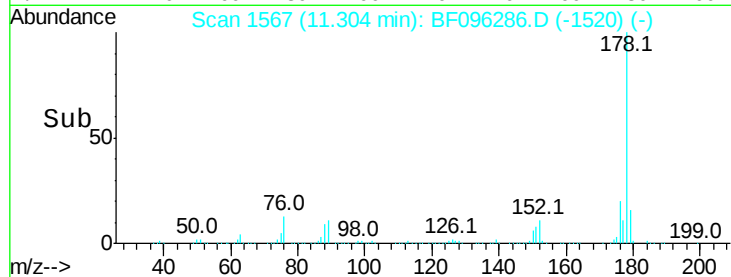
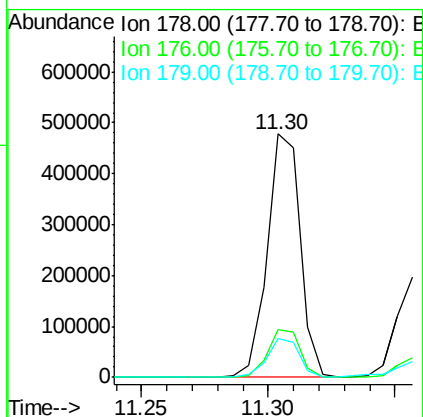
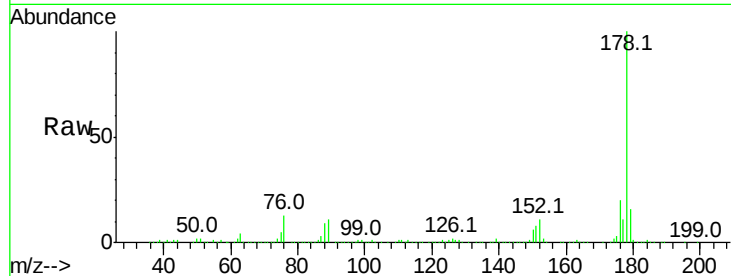
#70
Phenanthrene
Concen: 14.98 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF096286.D
Acq: 29 Jun 2017 12:41

Instrument :
BNA_F
ClientSampleId :
EO-02-062317-A

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

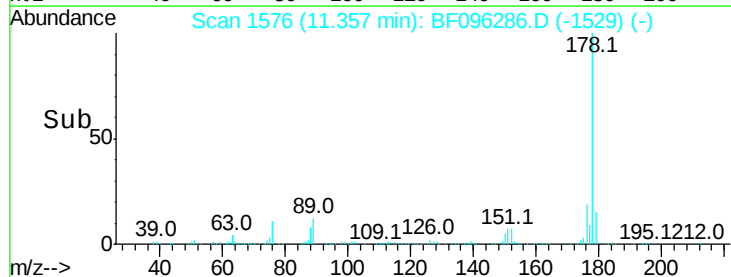
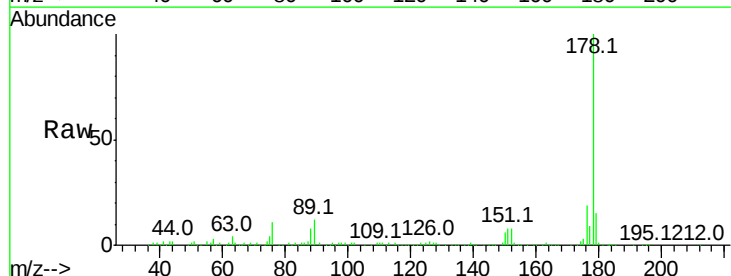
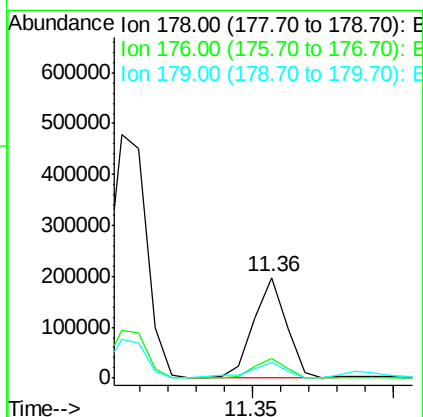
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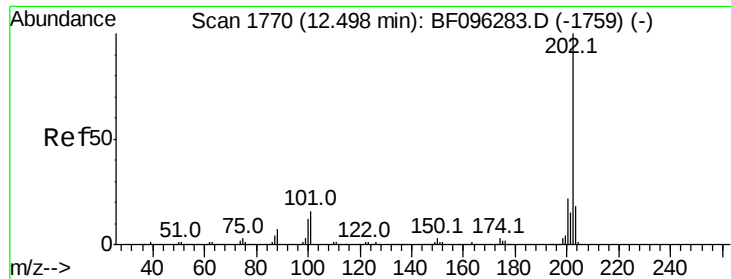
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#71
Anthracene
Concen: 6.45 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF096286.D
Acq: 29 Jun 2017 12:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.2	12.7	19.1





#74

Fluoranthene

Concen: 21.83 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.00 min

Lab File: BF096286.D

Acq: 29 Jun 2017 12:41

Instrument :

BNA_F

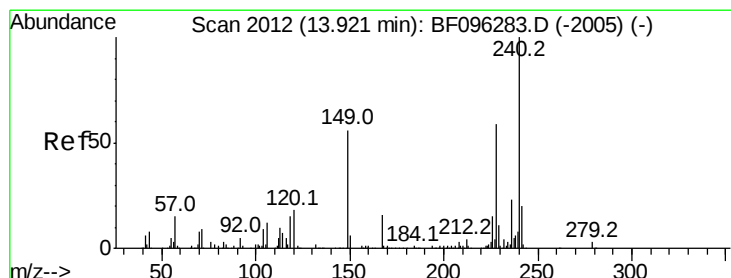
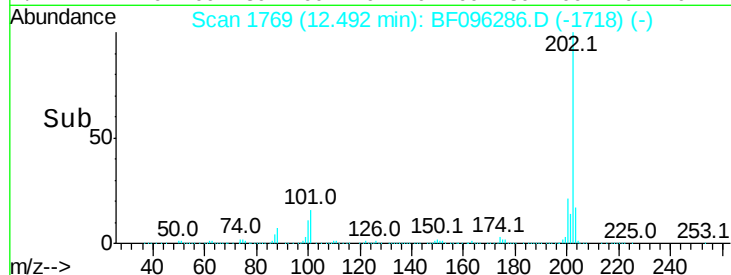
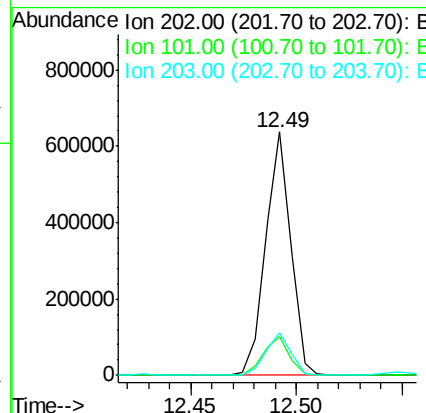
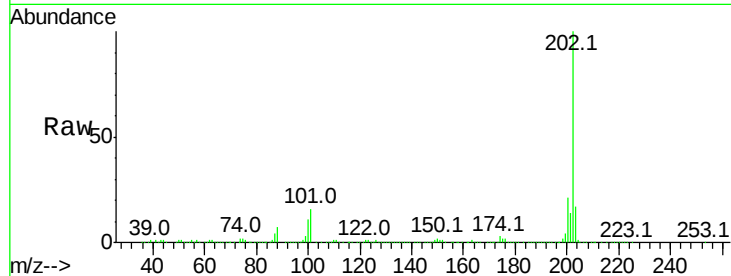
ClientSampleId :

EO-02-062317-A

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	15.8	0.0	33.2	
203	17.3	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

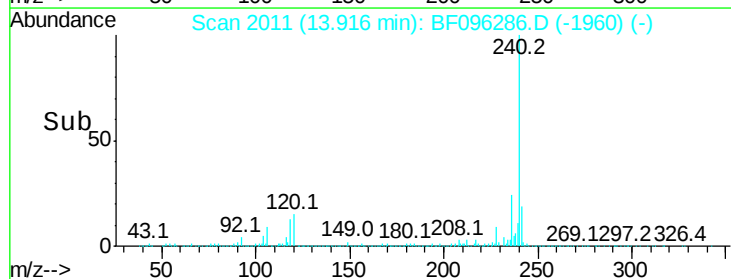
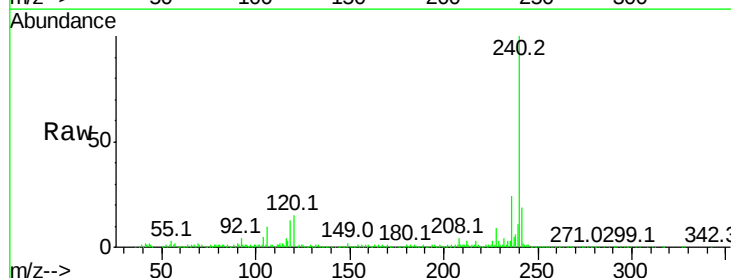
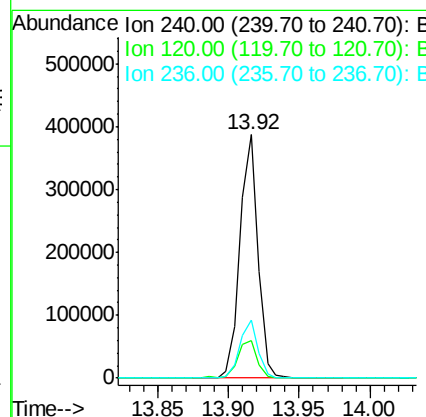
RT: 13.92 min Scan# 2011

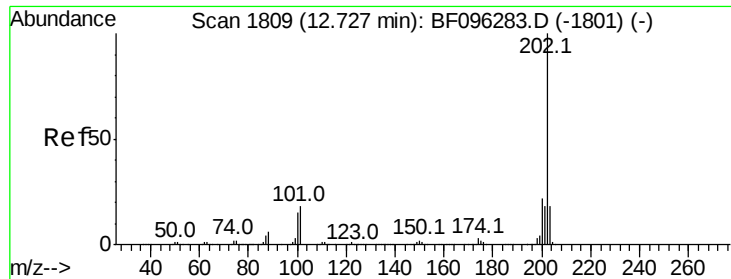
Delta R.T. -0.00 min

Lab File: BF096286.D

Acq: 29 Jun 2017 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	15.2	5.8	8.8#	
236	23.9	20.5	30.7	





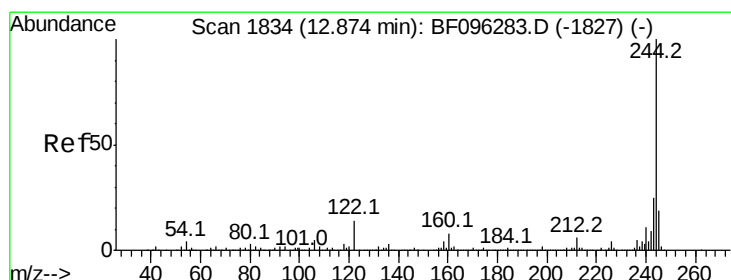
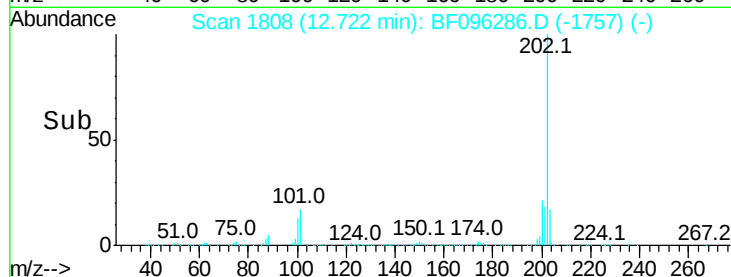
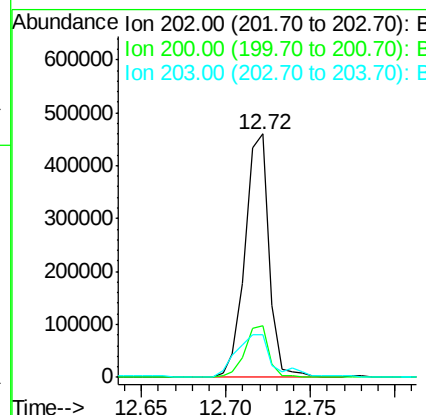
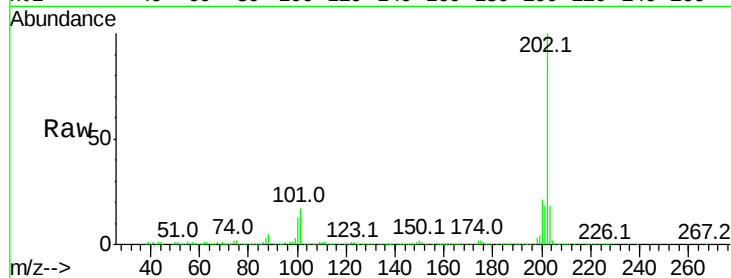
#77
Pvrene
Concen: 16.25 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BF096286.D
Acq: 29 Jun 2017 12:41

Instrument :
BNA_F
ClientSampleId :
EO-02-062317-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	17.7	14.4	21.6

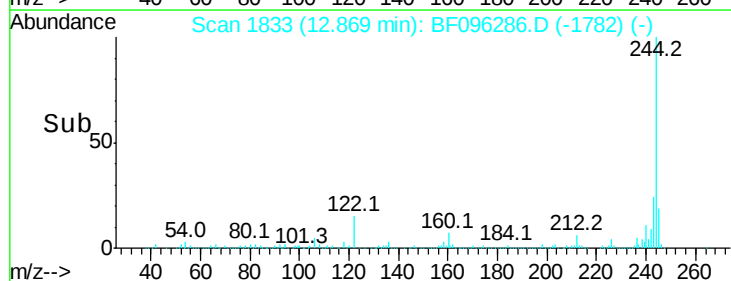
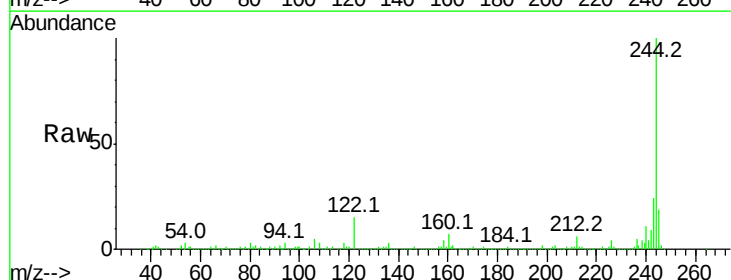
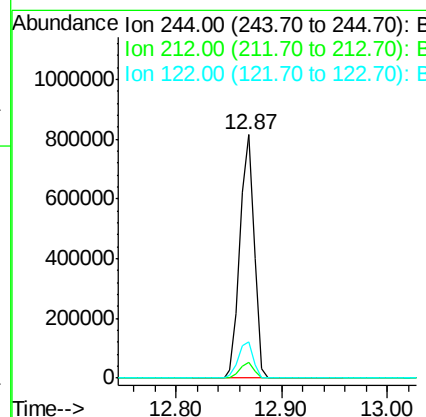
Manual Integrations
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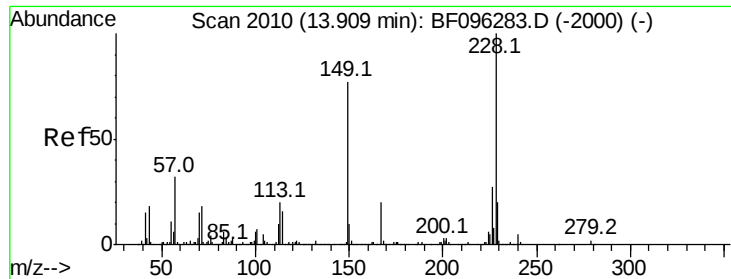
mohammad
6/30/2017 2:51:42 PM



#78
Terphenyl-d14
Concen: 54.64 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.00 min
Lab File: BF096286.D
Acq: 29 Jun 2017 12:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.0	9.0
122	14.8	10.3	15.5





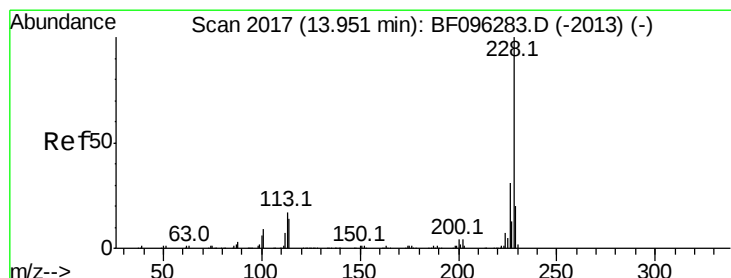
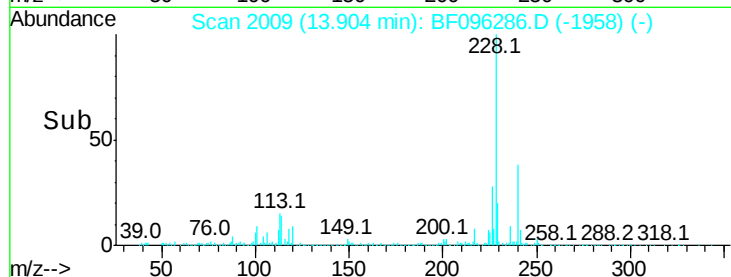
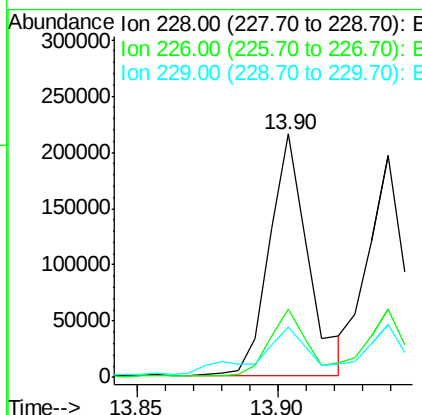
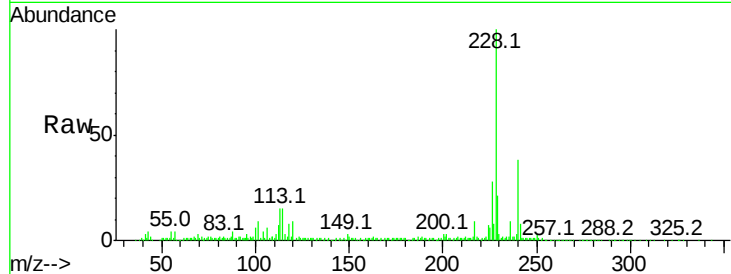
#80
Benzo(a)anthracene
Concen: 9.77 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.00 min
Lab File: BF096286.D
Acq: 29 Jun 2017 12:41

Instrument :
BNA_F
ClientSampleId :
EO-02-062317-A

Tot Ion	Ratio	Resp	Lower	Upper
228	100	203930		
226	28.0		22.6	33.8
229	20.5		16.3	24.5

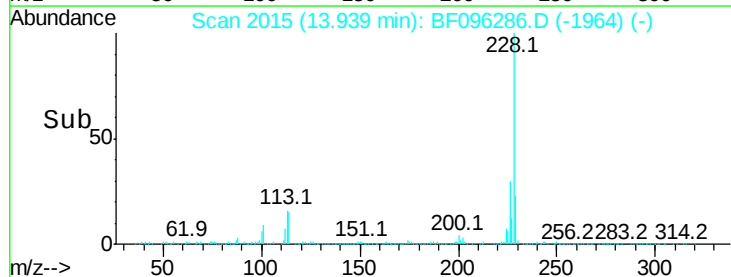
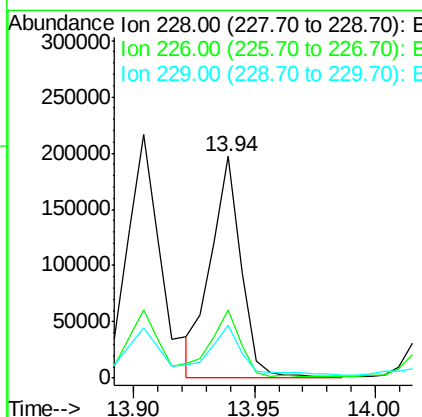
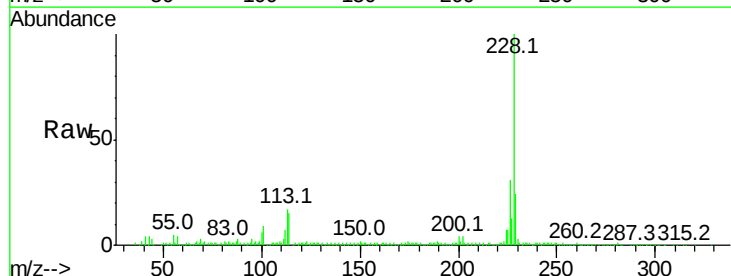
Manual Integrations
APPROVED

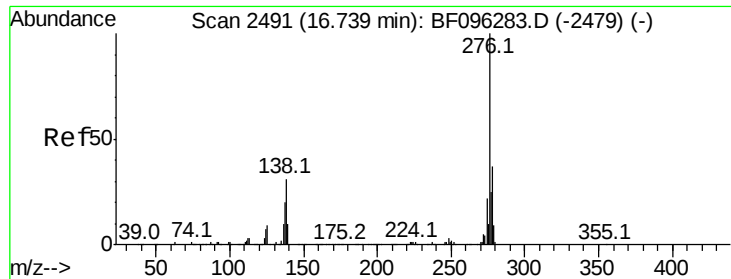
mohammad
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#82
Chrysene
Concen: 8.12 ng m
RT: 13.94 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BF096286.D
Acq: 29 Jun 2017 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	175395		
226	30.7		24.9	37.3
229	24.0		15.8	23.6#





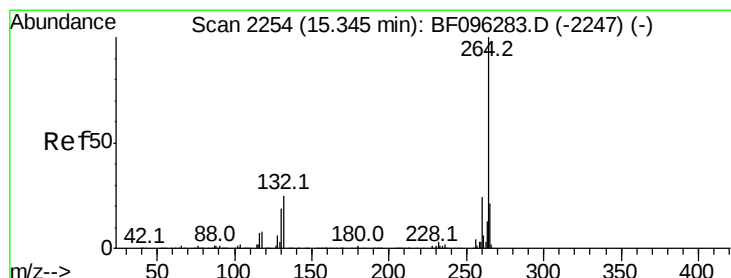
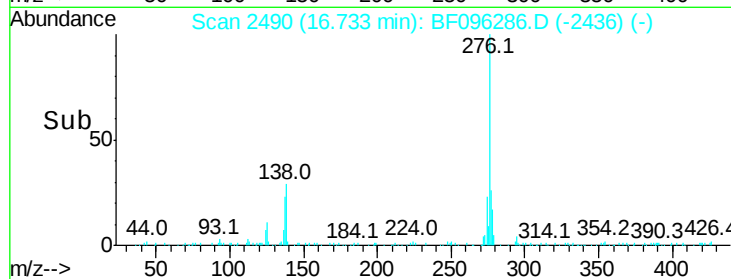
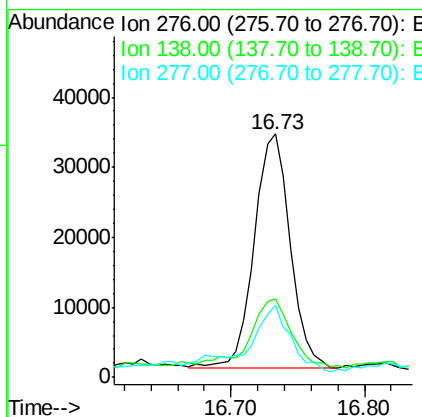
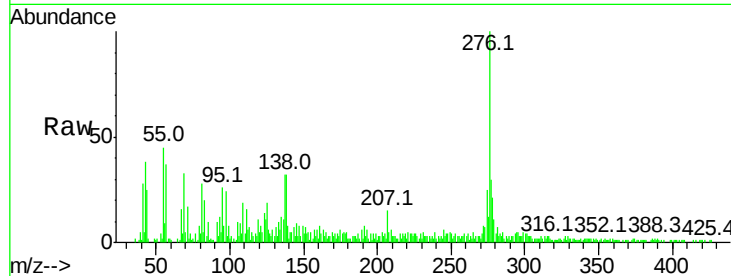
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.47 ng
RT: 16.73 min Scan# 2490
Delta R.T. 0.02 min
Lab File: BF096286.D
Acq: 29 Jun 2017 12:41

Instrument :
BNA_F
ClientSampleId :
EO-02-062317-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	36.1	27.8	41.6
277	27.6	20.2	30.4

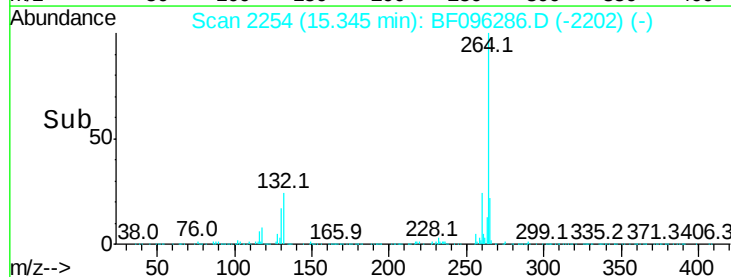
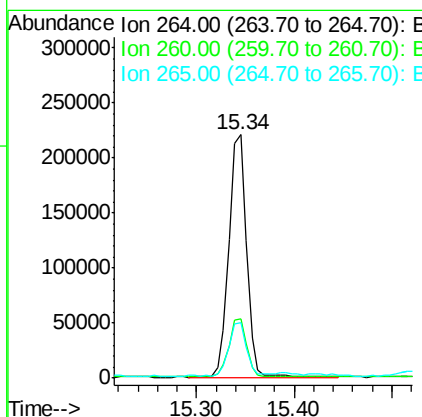
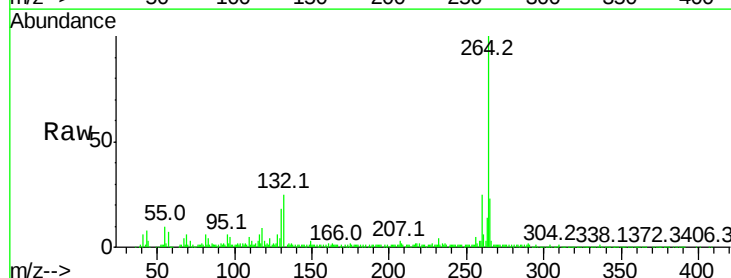
Manual Integrations
APPROVED

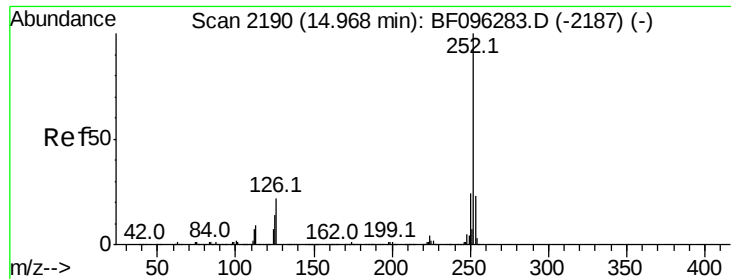
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF096286.D
Acq: 29 Jun 2017 12:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	23.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 10.77 ng m

RT: 14.93 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF096286.D

Acq: 29 Jun 2017 12:41

Instrument :

BNA_F

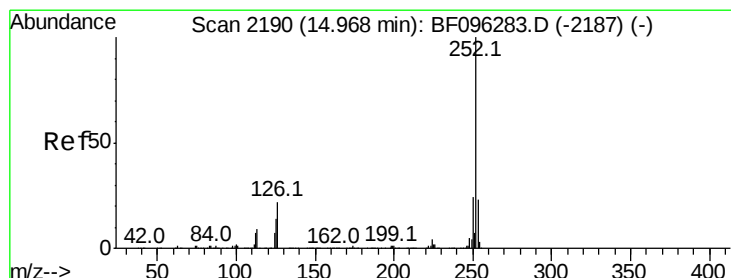
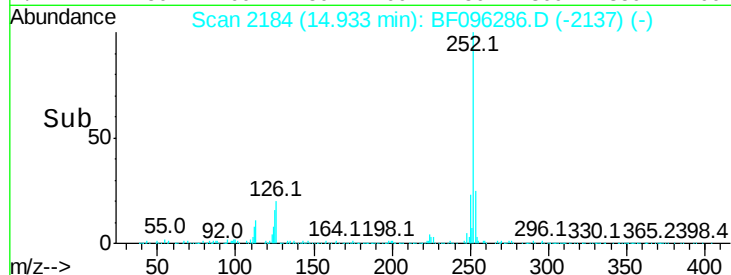
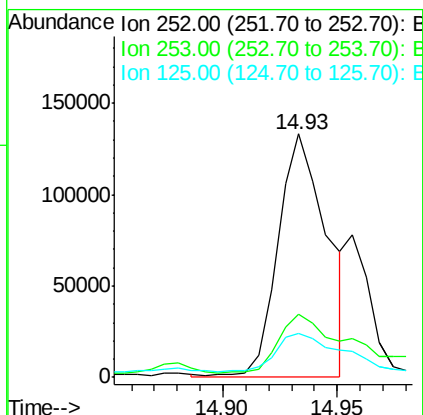
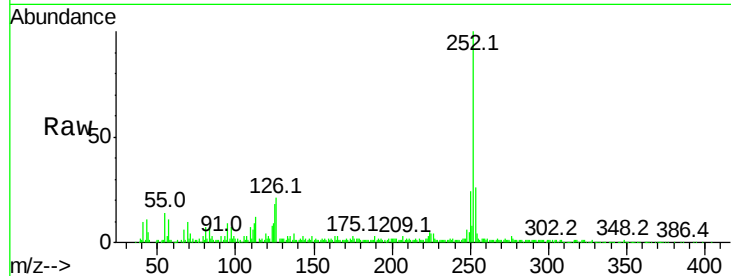
ClientSampleId :

EO-02-062317-A

Tot Ion:	252	Resp:	197684
Ion Ratio	Lower	Upper	
252	100		
253	26.1	18.1	27.1
125	17.8	9.8	14.8#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.56 ng m

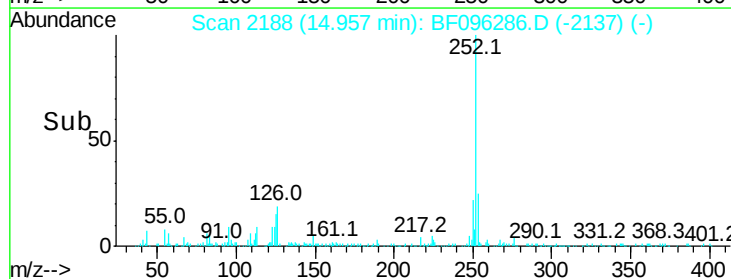
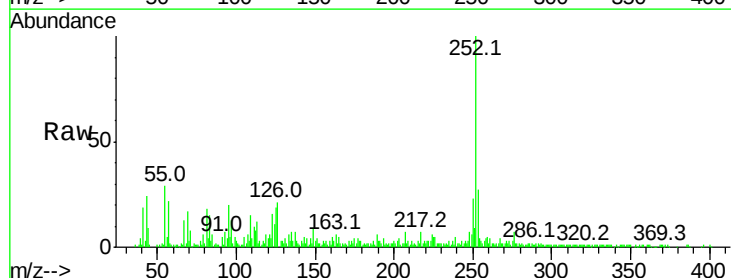
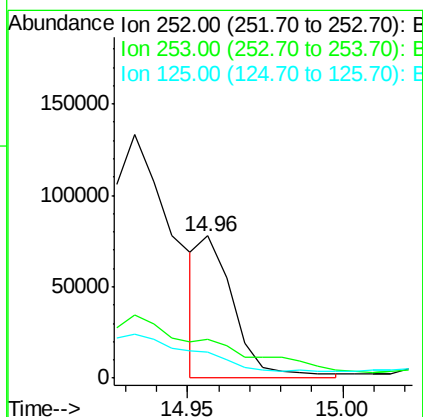
RT: 14.96 min Scan# 2188

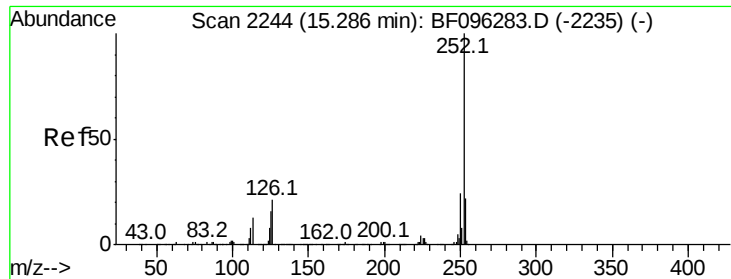
Delta R.T. -0.00 min

Lab File: BF096286.D

Acq: 29 Jun 2017 12:41

Tgt Ion:	252	Resp:	59646
Ion Ratio	Lower	Upper	
252	100		
253	27.3	18.4	27.6
125	18.7	13.1	19.7





#89

Benzo(a)pyrene

Concen: 8.33 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF096286.D

Acq: 29 Jun 2017 12:41

Instrument :

BNA_F

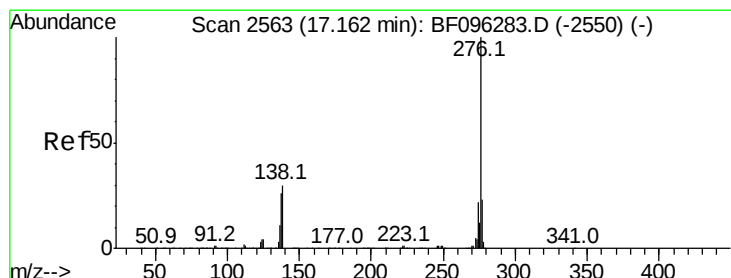
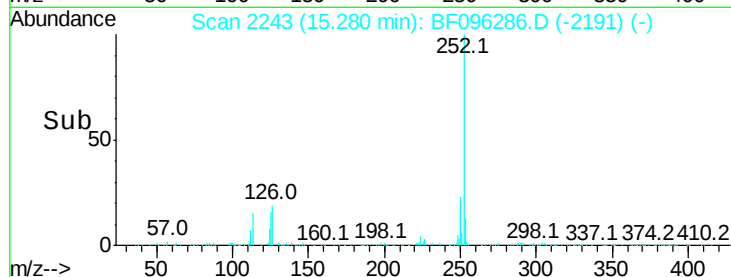
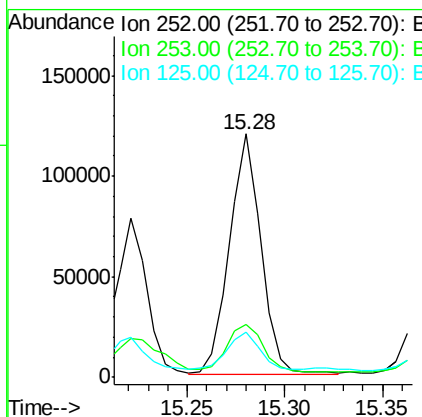
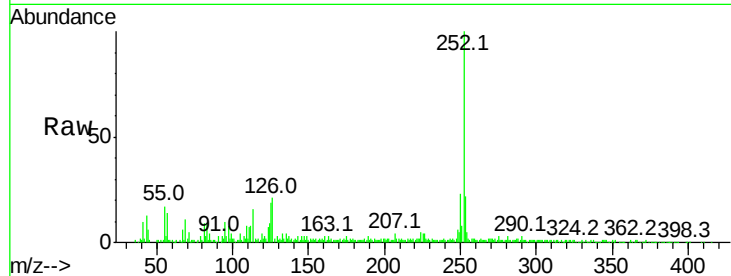
ClientSampleId :

EO-02-062317-A

Tot Ion:	252	Resp:	135101
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.5	26.3
125	18.5	11.0	16.4

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 4.60 ng

RT: 17.15 min Scan# 2561

Delta R.T. 0.02 min

Lab File: BF096286.D

Acq: 29 Jun 2017 12:41

Tgt Ion:	276	Resp:	60645
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.6	28.0
138	36.4	25.4	38.0

