

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
 Data File : BF096652.D
 Acq On : 11 Jul 2017 18:54
 Operator : SJ/JU
 Sample : I4069-05 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(6.5-7.0)

Manual Integrations
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Quant Time: Jul 12 02:57:48 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	6.68	152	106322	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	392220	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	143432	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	203519	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	218820	20.00	ng	-0.02
86) Perylene-d12	15.23	264	201026	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	310525	43.11	ng	-0.02
7) Phenol-d6	6.32	99	360377	40.69	ng	-0.03
23) Nitrobenzene-d5	7.24	82	213854	32.76	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	47884	42.74	ng	-0.02
44) 2-Fluorobiphenyl	9.04	172	328656	39.18	ng	-0.02
78) Terphenyl-d14	12.77	244	210954	20.60	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.43	163	36039	3.366	ng	Qvalue # 98
70) Phenanthrene	11.22	178	70502	6.408	ng	98
74) Fluoranthene	12.40	202	122053	11.315	ng	98
77) Pyrene	12.63	202	121191	6.900	ng	98
80) Benzo(a)anthracene	13.81	228	62379	4.923	ng	97
82) Chrysene	13.84	228	58985m	4.445	ng	
85) Indeno(1,2,3-cd)pyrene	16.56	276	27510	2.626	ng	97
87) Benzo(b)fluoranthene	14.83	252	78809m	6.257	ng	
88) Benzo(k)fluoranthene	14.85	252	23983m	2.129	ng	
89) Benzo(a)pyrene	15.16	252	54326	4.831	ng	# 92
91) Benzo(g,h,i)perylene	16.97	276	26661	2.908	ng	98

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

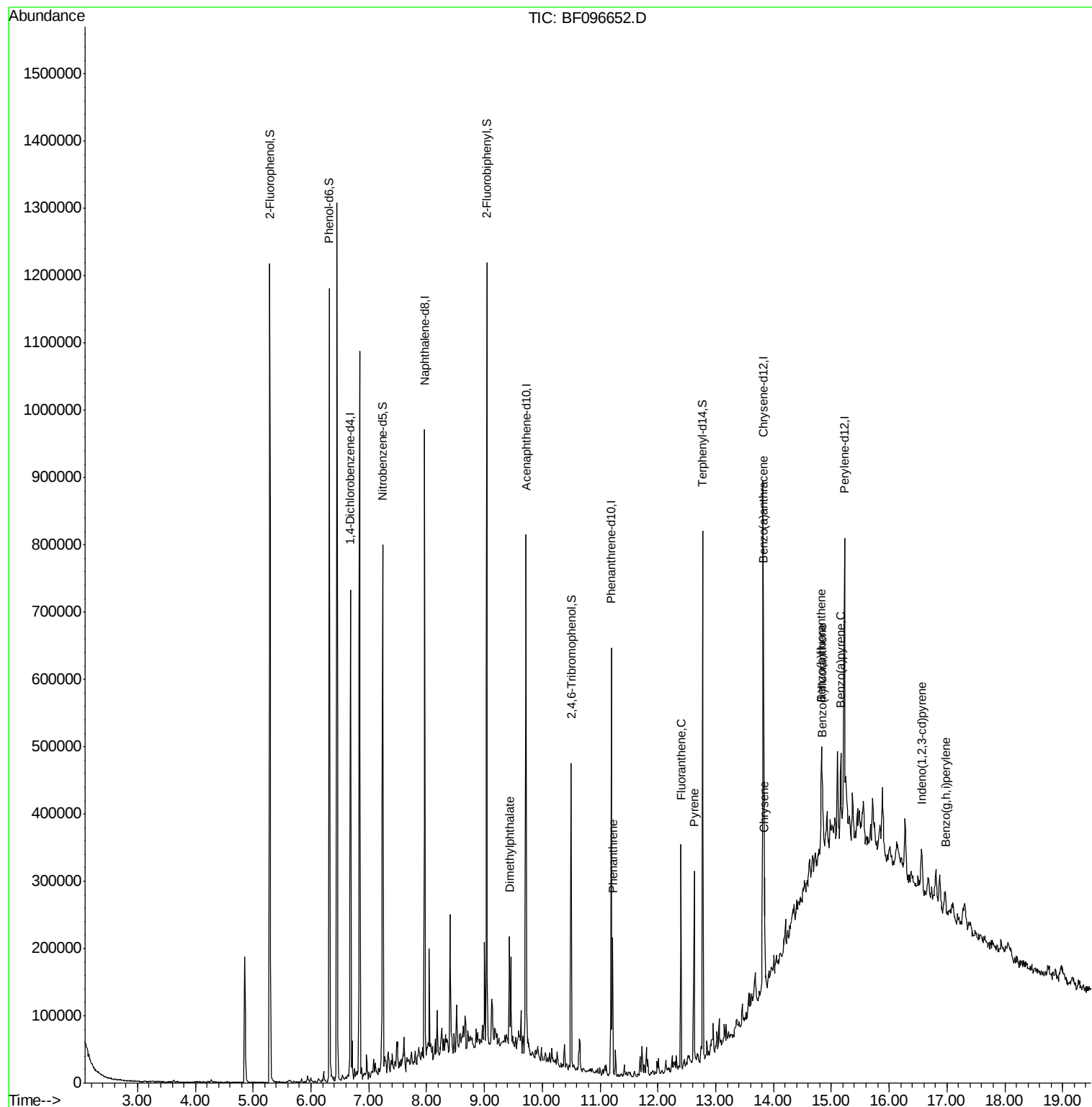
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
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ALS Vial : 19 Sample Multiplier: 1

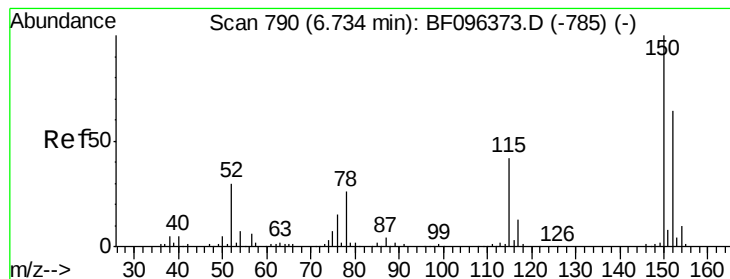
Instrument :
BNA_F
ClientSampleId :
SB-3(6.5-7.0)

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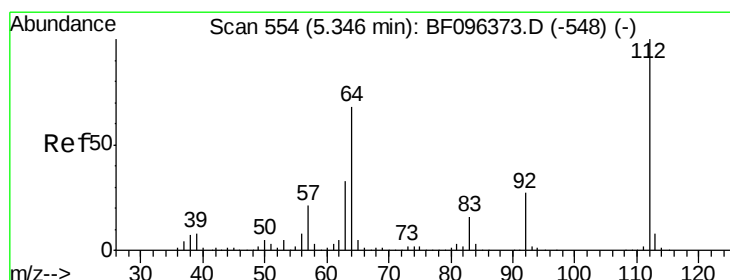
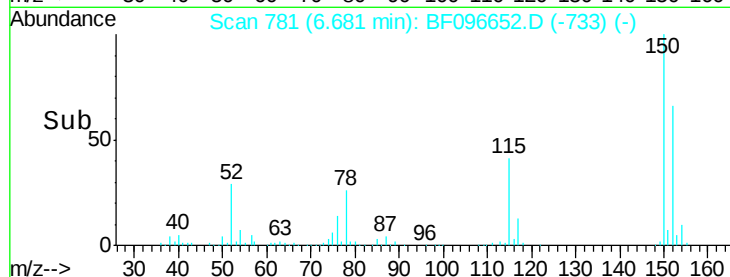
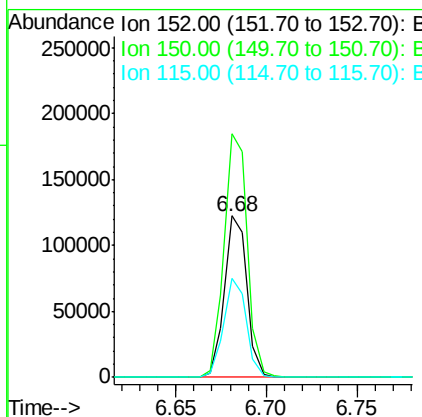
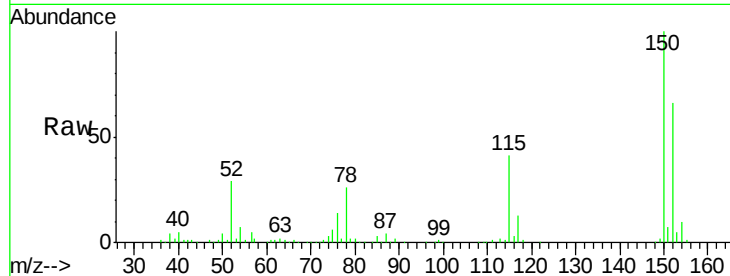
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.68 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF096652.D
 Acq: 11 Jul 2017 18:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(6.5-7.0)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.7	126.2	189.2
115	61.3	52.2	78.2

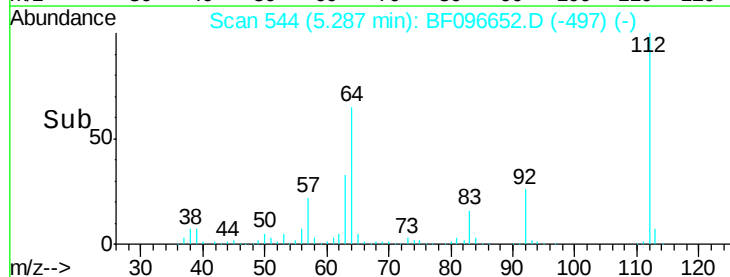
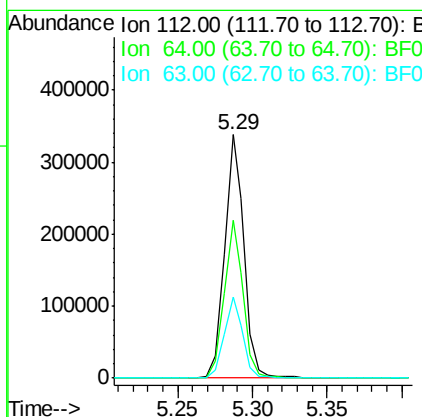
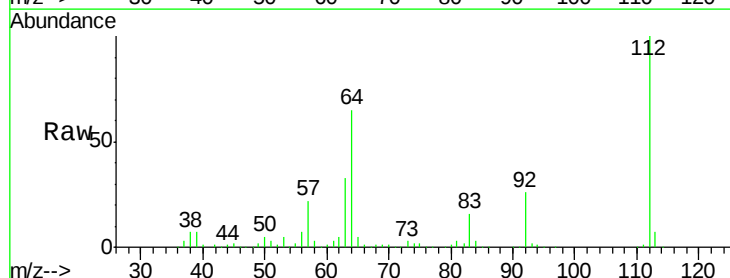
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#5
 2-Fluorophenol
 Concen: 43.107 ng
 RT: 5.29 min Scan# 544
 Delta R.T. -0.02 min
 Lab File: BF096652.D
 Acq: 11 Jul 2017 18:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	46.0	69.0
63	33.3	23.4	35.0





#7

Phenol-d6

Concen: 40.694 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.03 min

Lab File: BF096652.D

Acq: 11 Jul 2017 18:54

Instrument :

BNA_F

ClientSampled :

SB-3(6.5-7.0)

Tgt Ion: 99 Resp: 360377

Ion Ratio Lower Upper

99 100

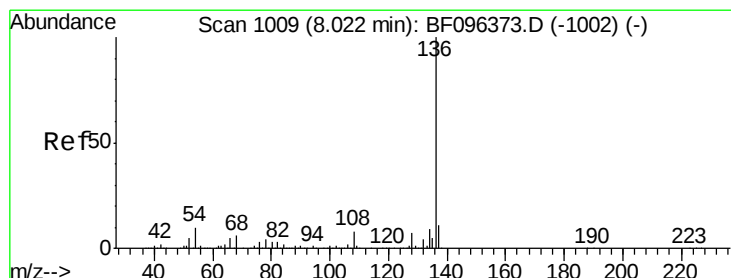
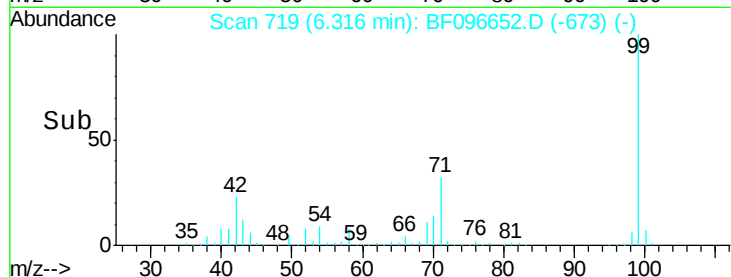
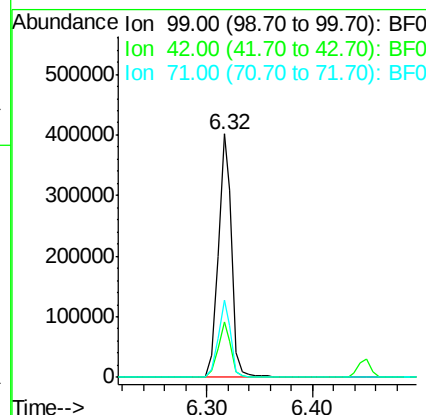
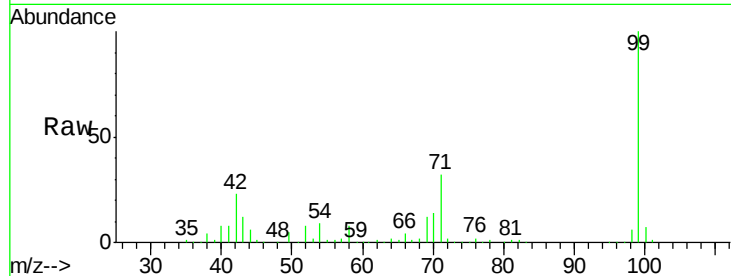
42 23.0 13.5 20.3#

71 31.9 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.02 min

Lab File: BF096652.D

Acq: 11 Jul 2017 18:54

Tgt Ion: 136 Resp: 392220

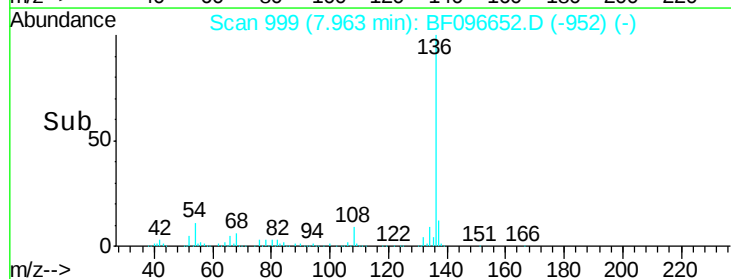
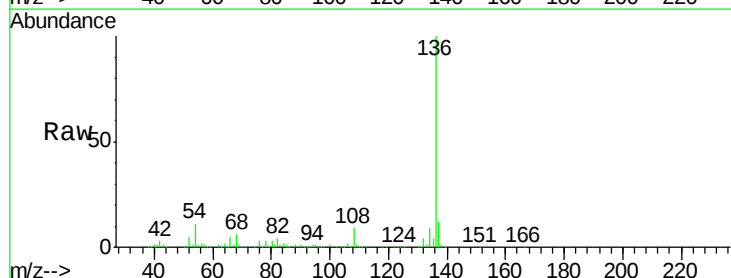
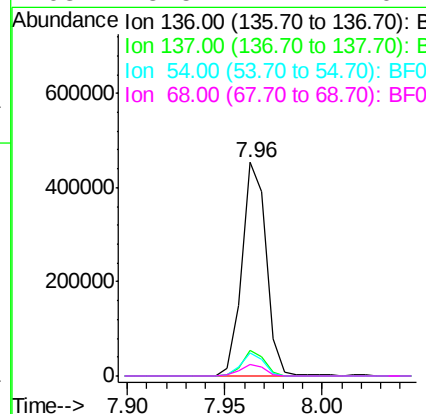
Ion Ratio Lower Upper

136 100

137 11.8 8.5 12.7

54 10.8 4.9 7.3#

68 5.5 4.1 6.1





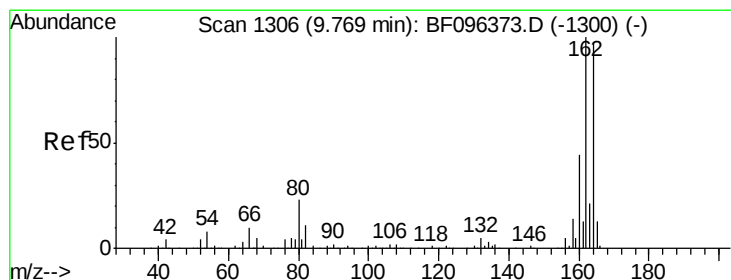
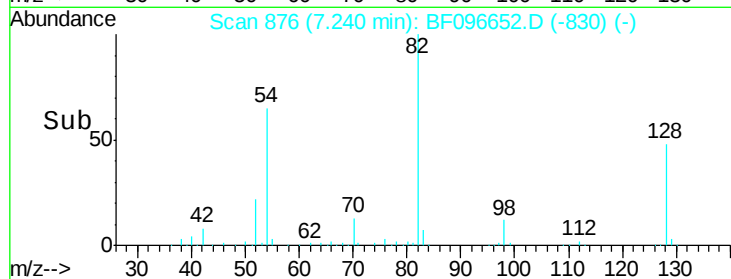
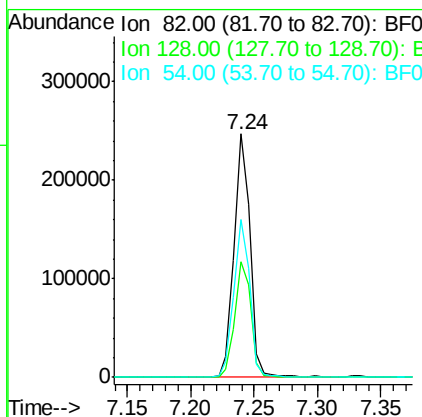
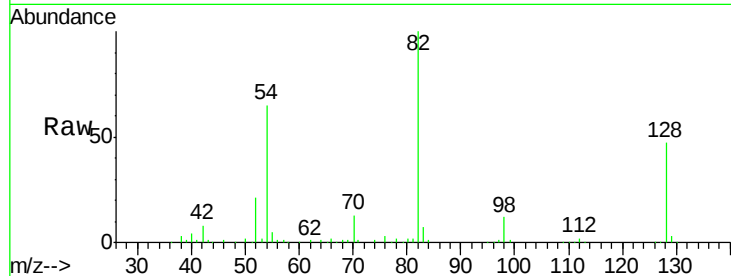
#23
 Nitrobenzene-d5
 Concen: 32.764 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.03 min
 Lab File: BF096652.D
 Acq: 11 Jul 2017 18:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(6.5-7.0)

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

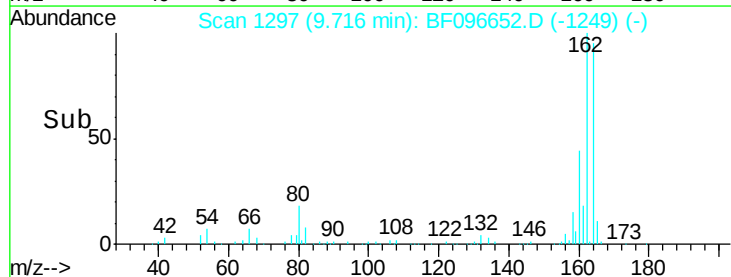
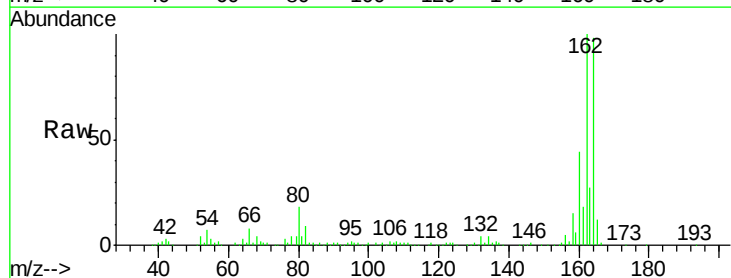
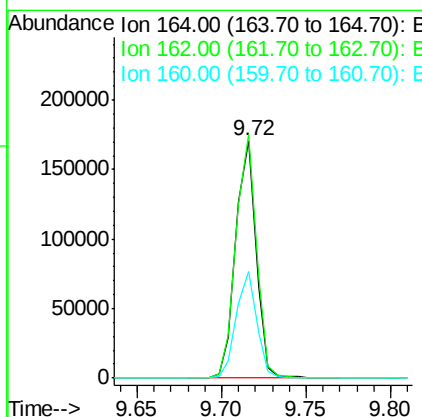
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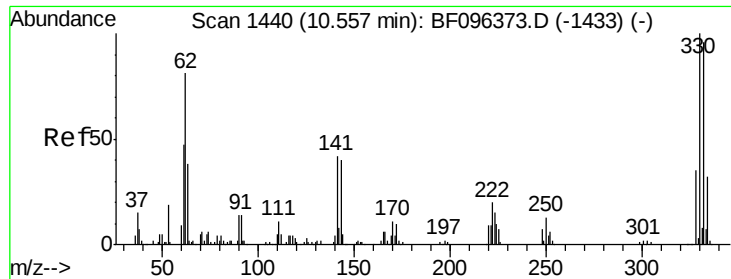
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF096652.D
 Acq: 11 Jul 2017 18:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	123.8
160	44.9	36.2	54.2





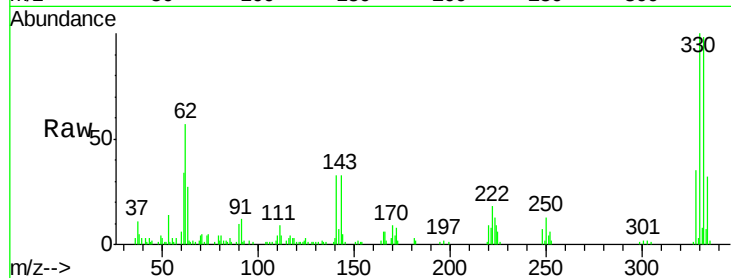
#41
 2,4,6-Tribromophenol
 Concen: 42.739 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF096652.D
 Acq: 11 Jul 2017 18:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(6.5-7.0)

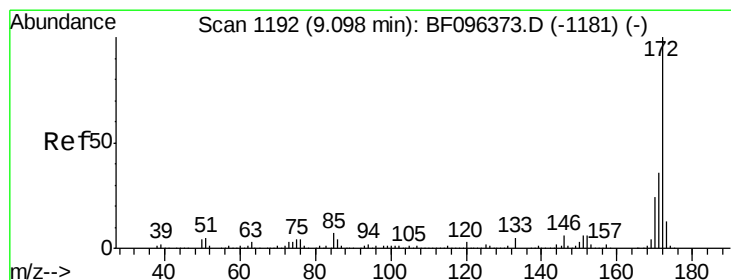
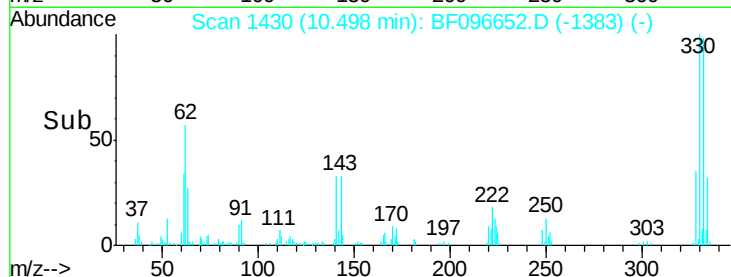
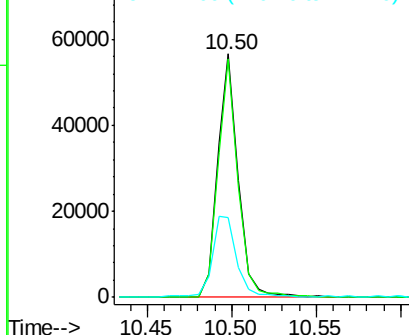
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	40.8	31.4	47.2

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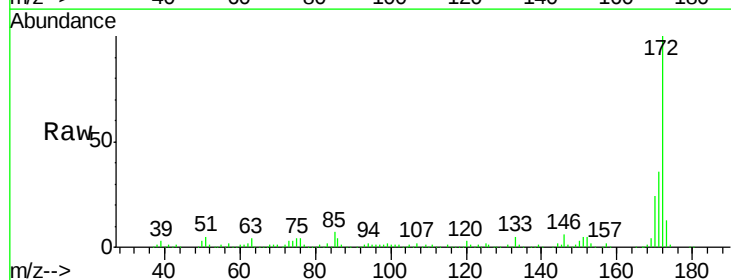


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

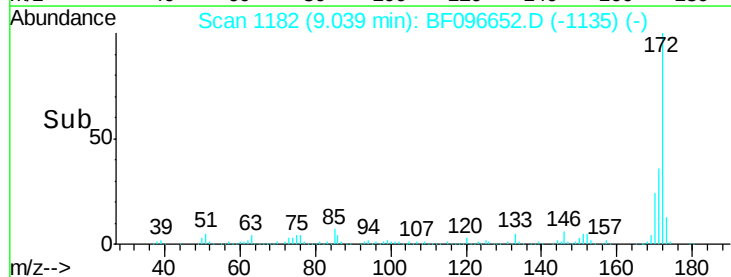
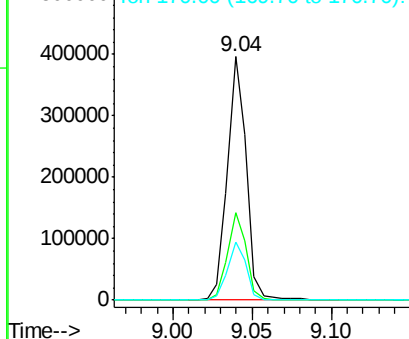


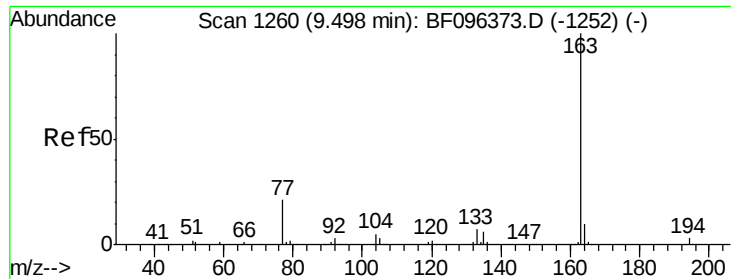
#44
 2-Fluorobiphenyl
 Concen: 39.177 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: BF096652.D
 Acq: 11 Jul 2017 18:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.7	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





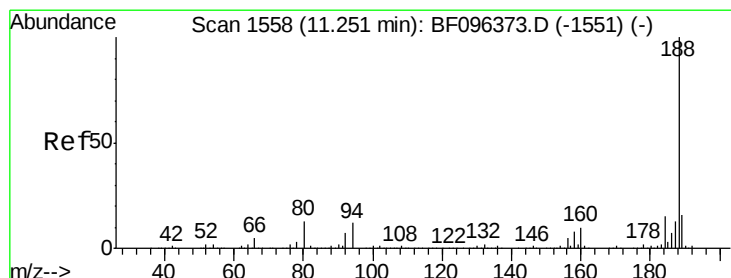
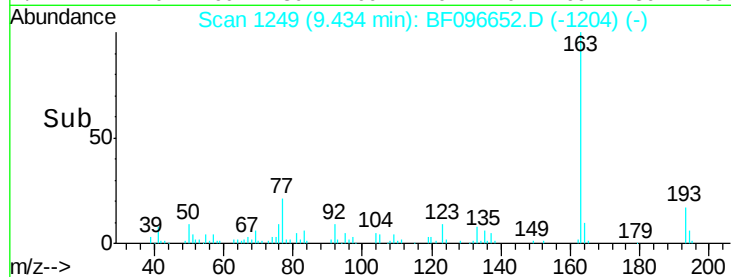
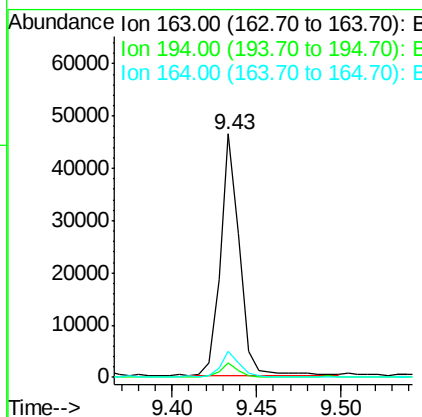
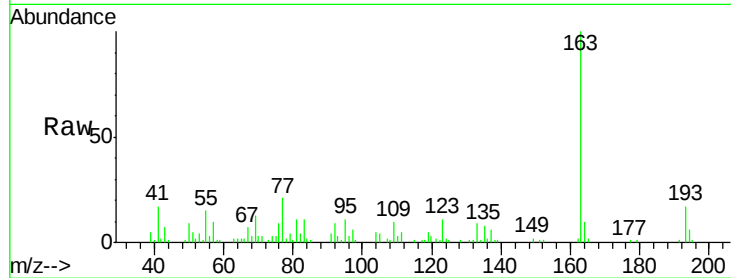
#49
Dimethylphthalate
Concen: 3.366 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.04 min
Lab File: BF096652.D
Acq: 11 Jul 2017 18:54

Instrument :
BNA_F
ClientSampleId :
SB-3(6.5-7.0)

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.7	2.6	4.0#
164	10.5	8.4	12.6

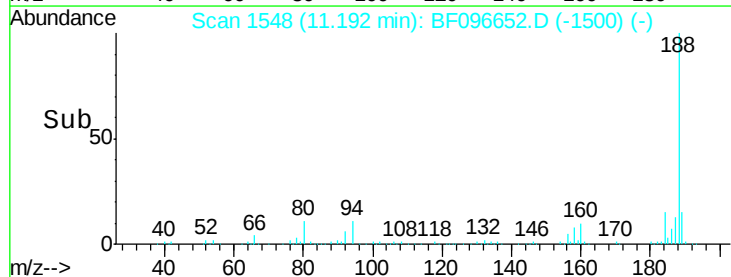
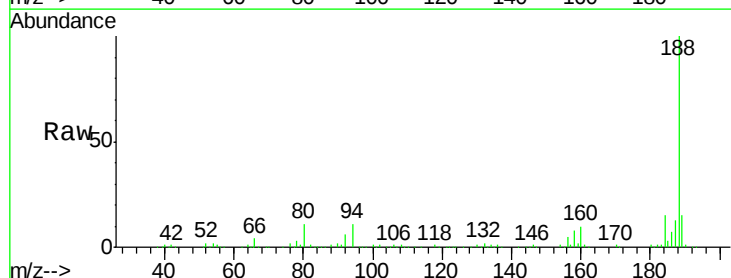
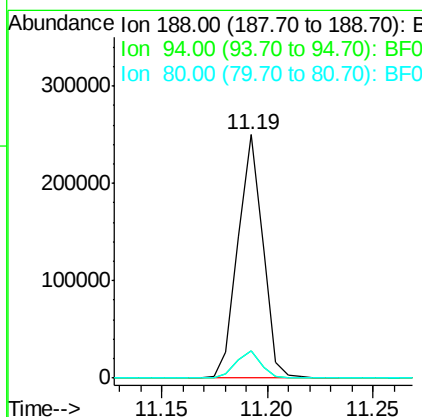
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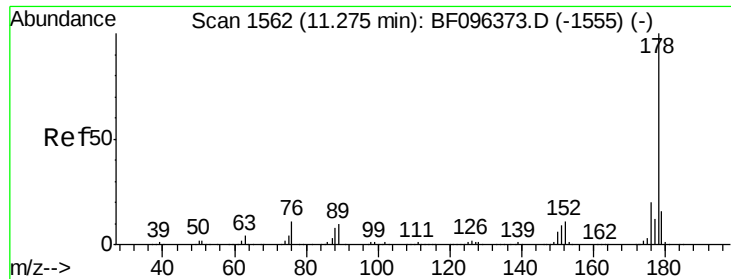
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.02 min
Lab File: BF096652.D
Acq: 11 Jul 2017 18:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.3	10.2	15.2





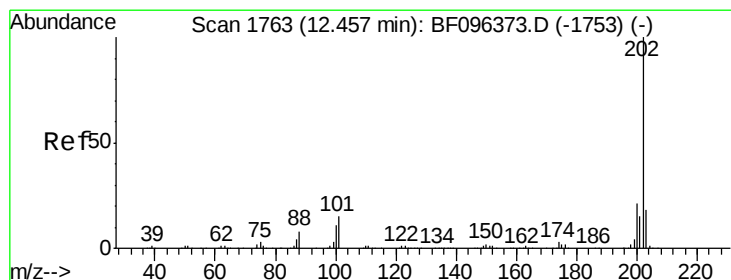
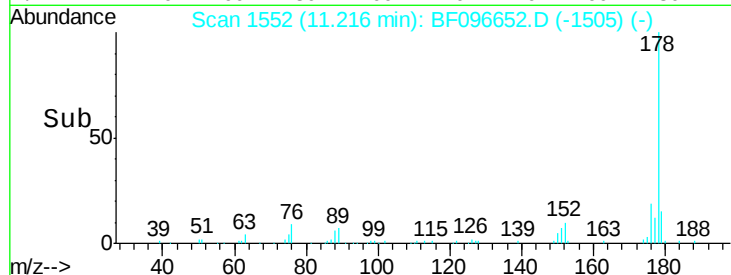
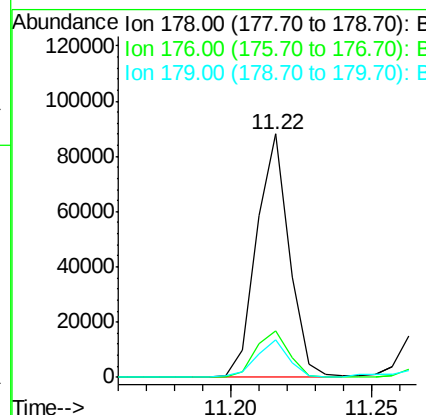
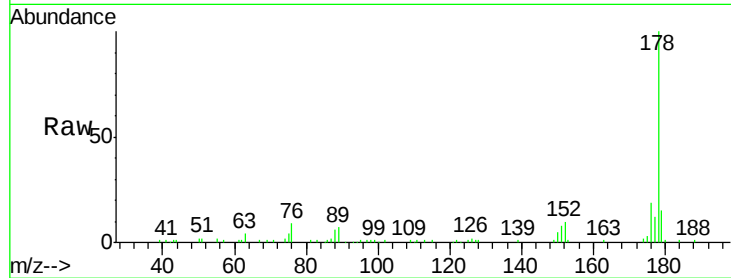
#70
Phenanthrene
Concen: 6.408 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF096652.D
Acq: 11 Jul 2017 18:54

Instrument :
BNA_F
ClientSampleId :
SB-3(6.5-7.0)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.3	12.6	19.0

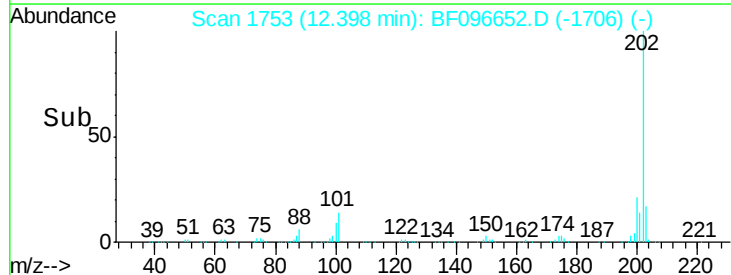
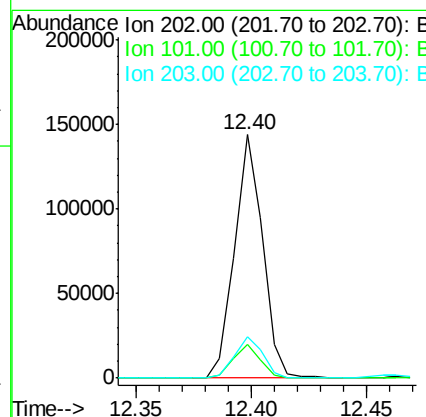
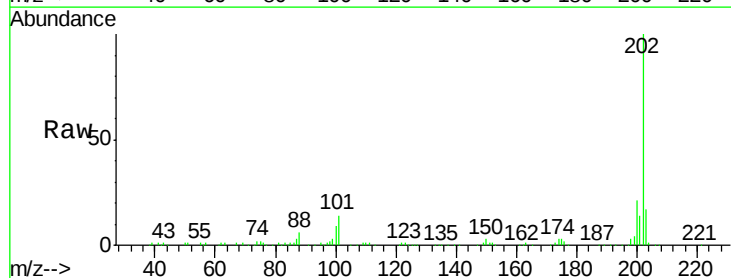
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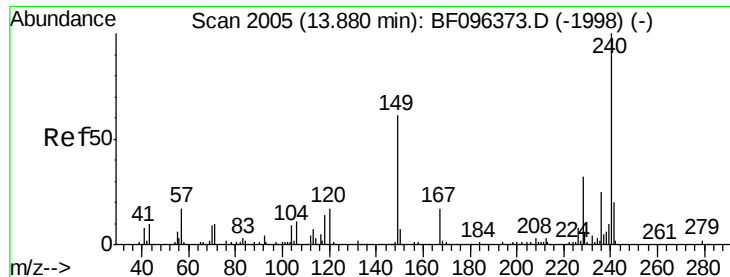
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#74
Fluoranthene
Concen: 11.315 ng
RT: 12.40 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BF096652.D
Acq: 11 Jul 2017 18:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF096652.D

Acq: 11 Jul 2017 18:54

Instrument :

BNA_F

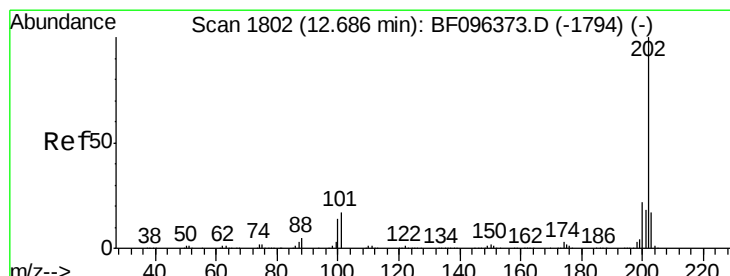
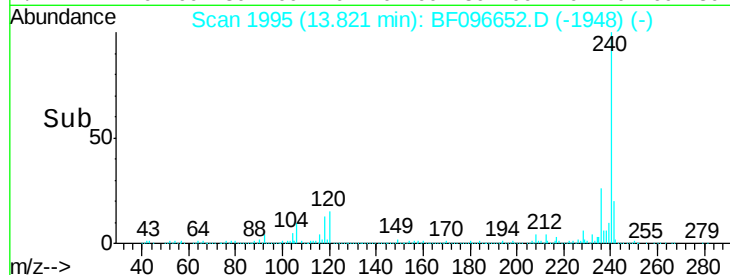
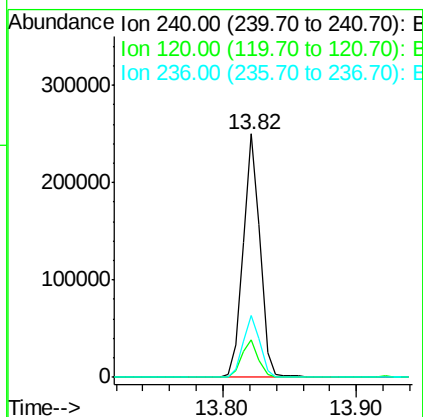
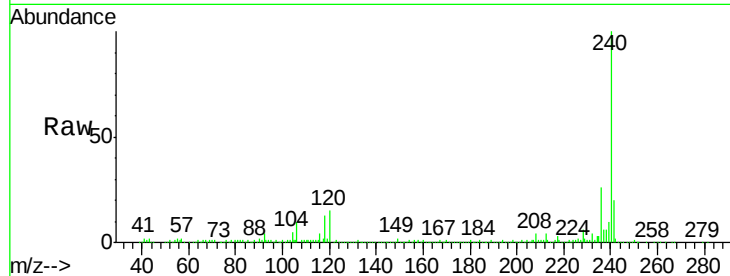
ClientSampleId :

SB-3(6.5-7.0)

Tgt Ion: 240 Resp: 218820
 Ion Ratio Lower Upper
 240 100
 120 15.5 5.8 8.8#
 236 25.6 20.5 30.7

Manual Integrations
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#77

Pyrene

Concen: 6.900 ng

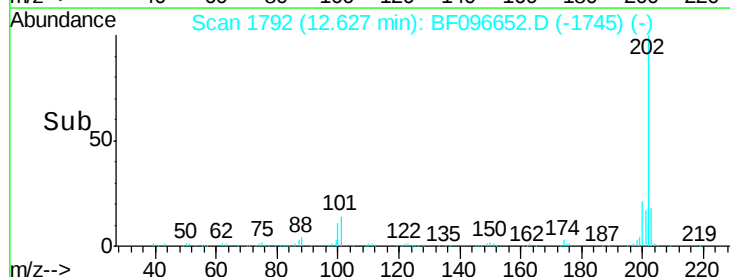
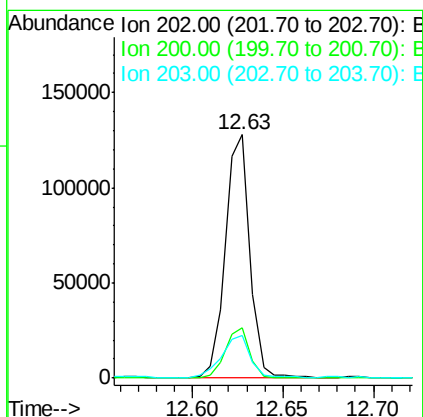
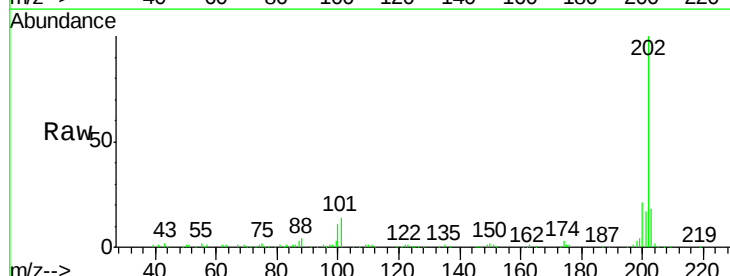
RT: 12.63 min Scan# 1792

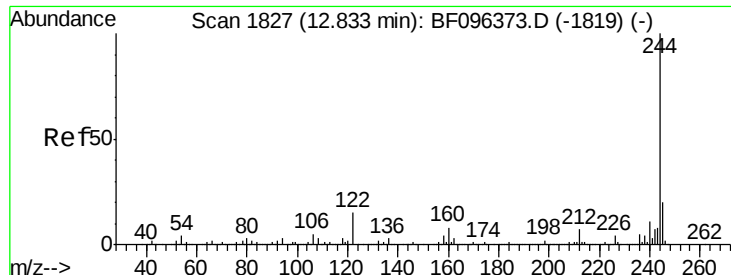
Delta R.T. -0.02 min

Lab File: BF096652.D

Acq: 11 Jul 2017 18:54

Tgt Ion: 202 Resp: 121191
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.6 26.4
 203 17.6 14.4 21.6





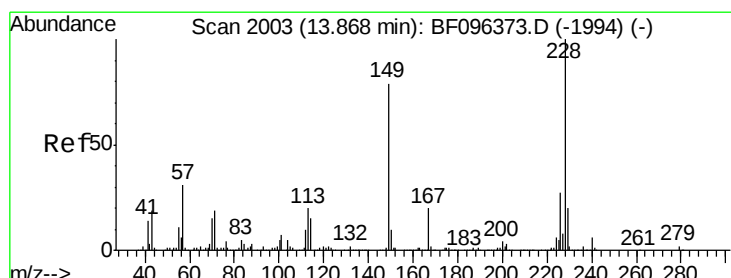
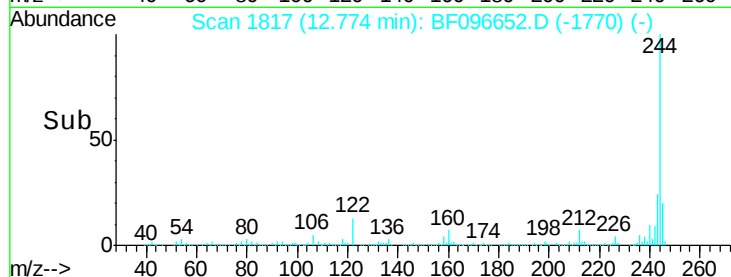
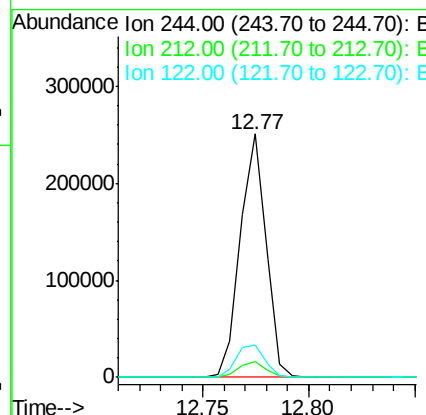
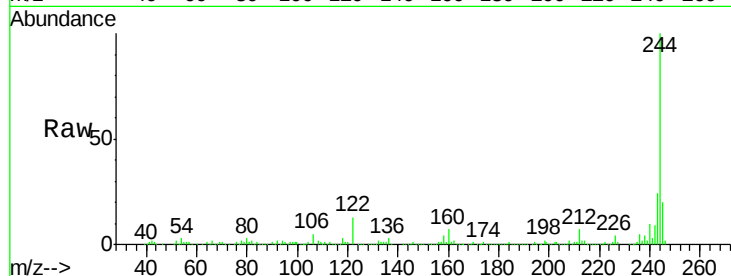
#78
 Terphenyl-d14
 Concen: 20.600 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.02 min
 Lab File: BF096652.D
 Acq: 11 Jul 2017 18:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(6.5-7.0)

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	13.3	10.3	15.5

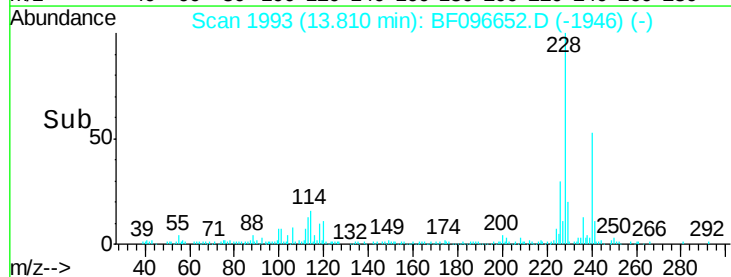
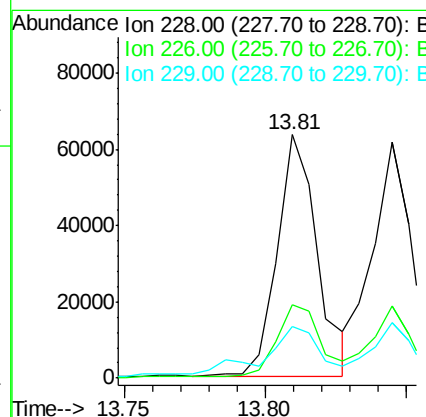
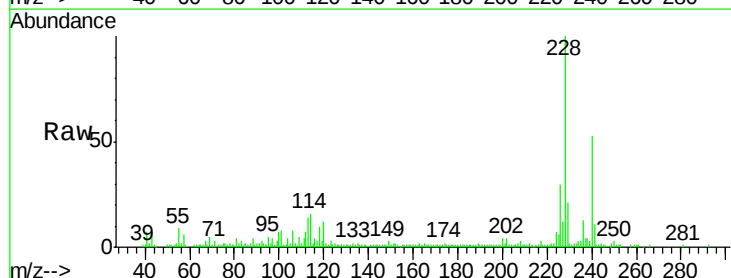
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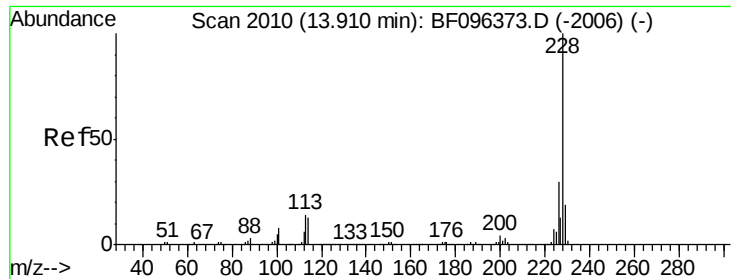
mohammad
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#80
 Benzo(a)anthracene
 Concen: 4.923 ng
 RT: 13.81 min Scan# 1993
 Delta R.T. -0.02 min
 Lab File: BF096652.D
 Acq: 11 Jul 2017 18:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	21.1	16.3	24.5





#82

Chrysene

Concen: 4.445 ng m

RT: 13.84 min Scan# 1999

Delta R.T. -0.03 min

Lab File: BF096652.D

Acq: 11 Jul 2017 18:54

Instrument :

BNA_F

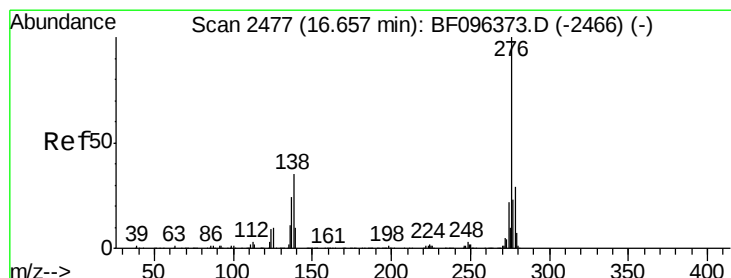
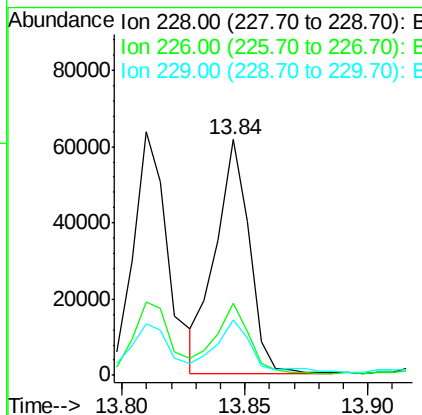
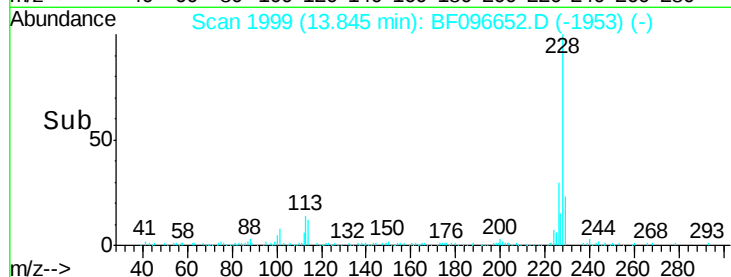
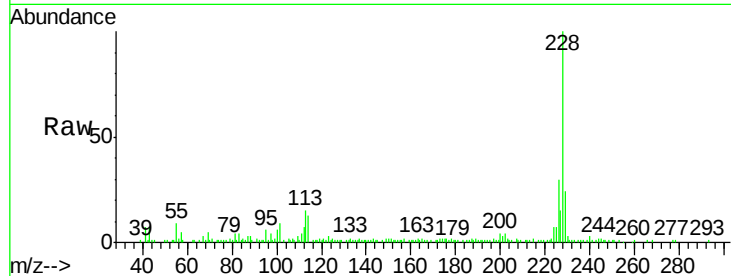
ClientSampleId :

SB-3(6.5-7.0)

Tgt Ion:	228	Resp:	58985
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.9	37.3
229	23.8	15.8	23.6#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.626 ng

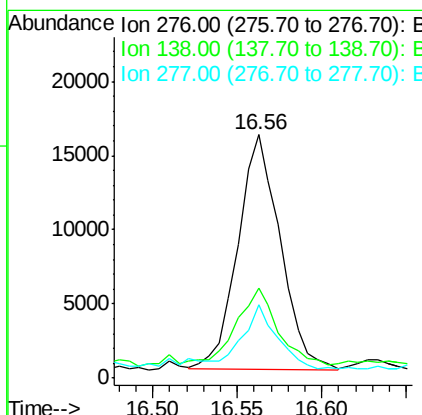
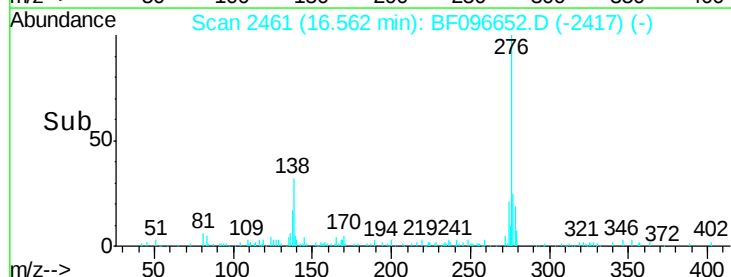
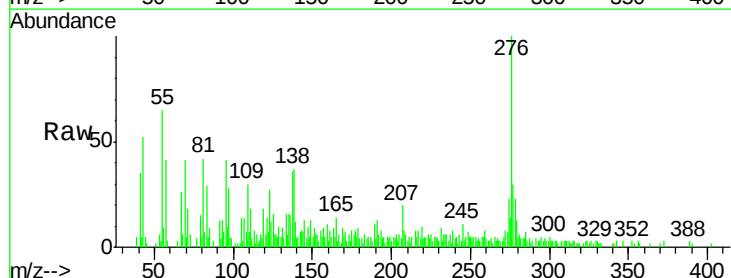
RT: 16.56 min Scan# 2461

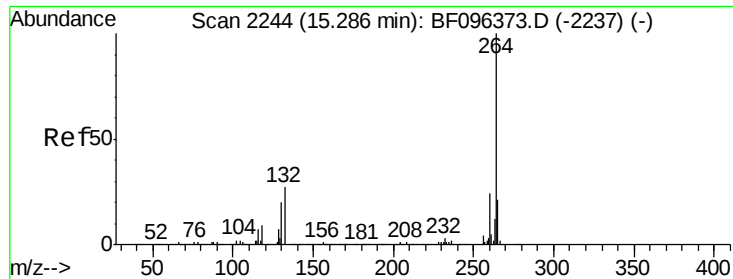
Delta R.T. -0.04 min

Lab File: BF096652.D

Acq: 11 Jul 2017 18:54

Tgt Ion:	276	Resp:	27510
Ion Ratio	Lower	Upper	
276	100		
138	34.9	27.8	41.6
277	29.2	20.2	30.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BF096652.D

Acq: 11 Jul 2017 18:54

Instrument :

BNA_F

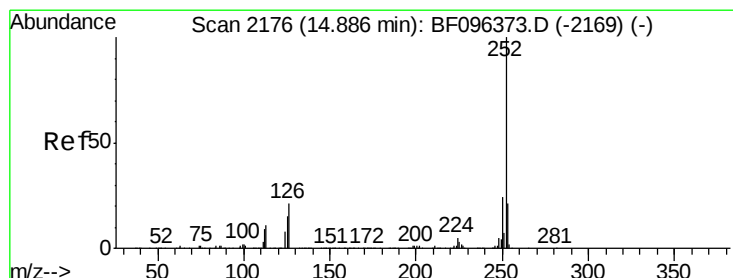
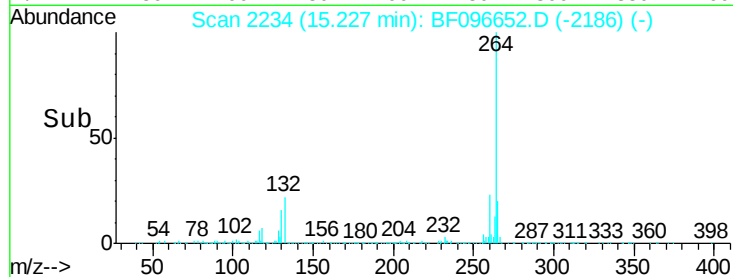
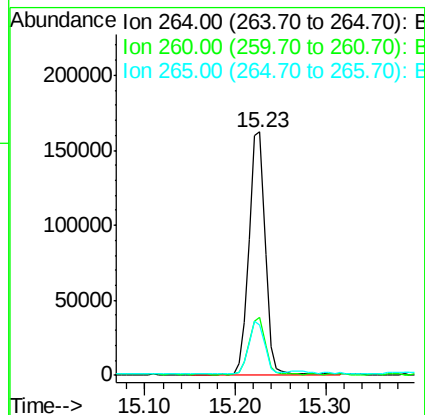
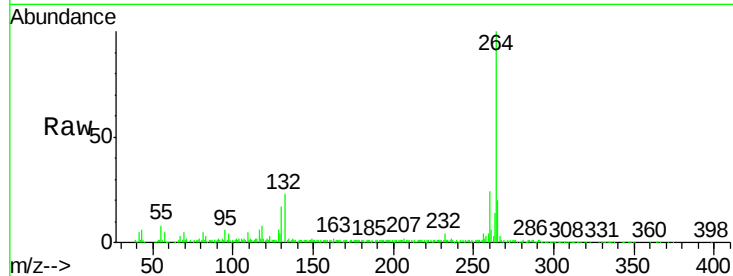
ClientSampleId :

SB-3(6.5-7.0)

Tgt Ion:	264	Resp:	201026
Ion Ratio		Lower	Upper
264	100		
260	23.9	19.5	29.3
265	20.5	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 6.257 ng m

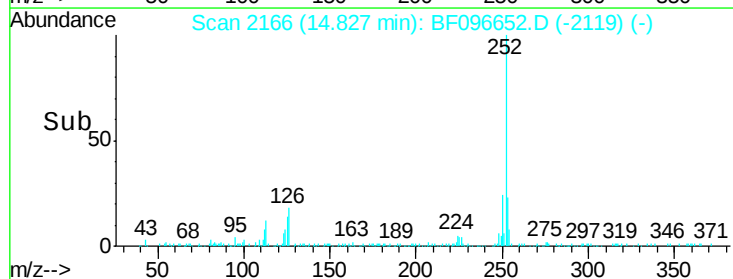
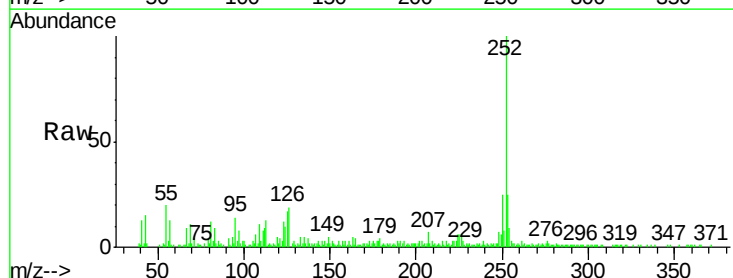
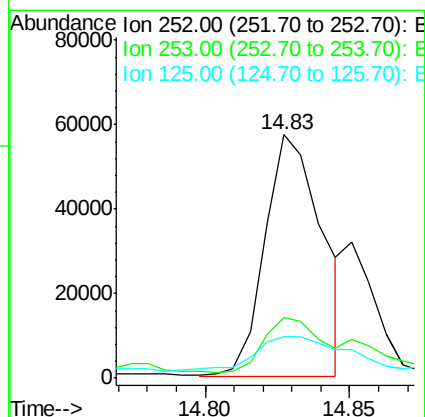
RT: 14.83 min Scan# 2166

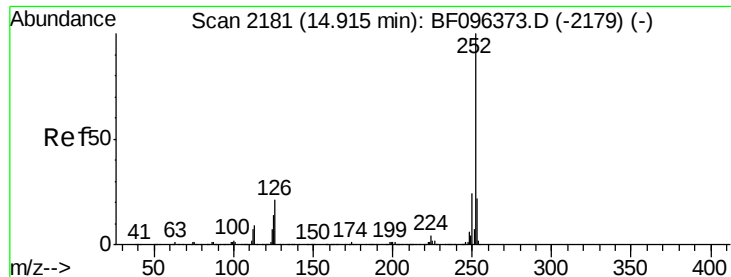
Delta R.T. -0.02 min

Lab File: BF096652.D

Acq: 11 Jul 2017 18:54

Tgt Ion:	252	Resp:	78809
Ion Ratio		Lower	Upper
252	100		
253	24.9	18.1	27.1
125	17.2	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 2.129 ng m

RT: 14.85 min Scan# 2170

Delta R.T. -0.03 min

Lab File: BF096652.D

Acq: 11 Jul 2017 18:54

Instrument :

BNA_F

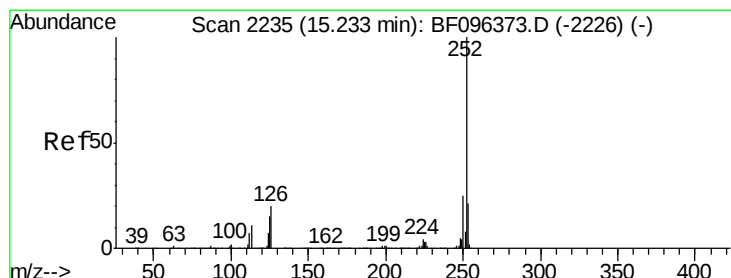
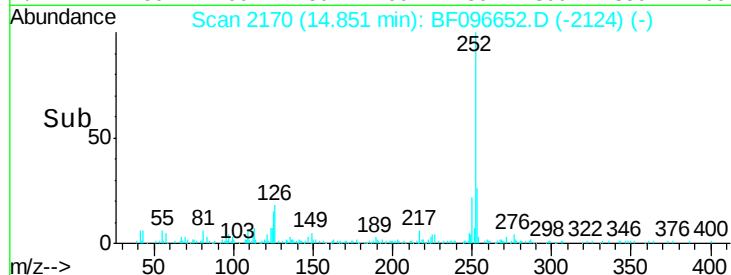
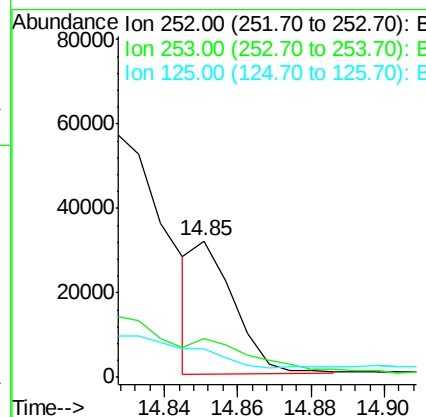
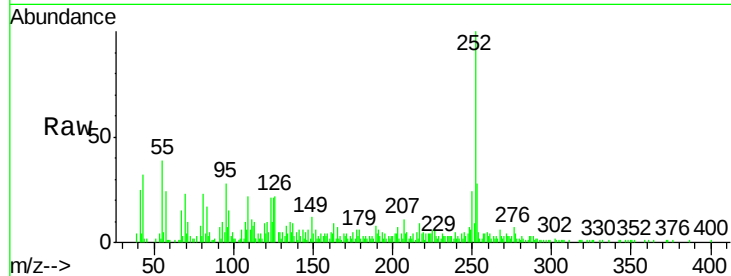
ClientSampleId :

SB-3(6.5-7.0)

Tgt Ion:	252	Resp:	23983
Ion Ratio	Lower	Upper	
252	100		
253	28.5	18.4	27.6#
125	20.6	13.1	19.7#

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#89

Benzo(a)pyrene

Concen: 4.831 ng

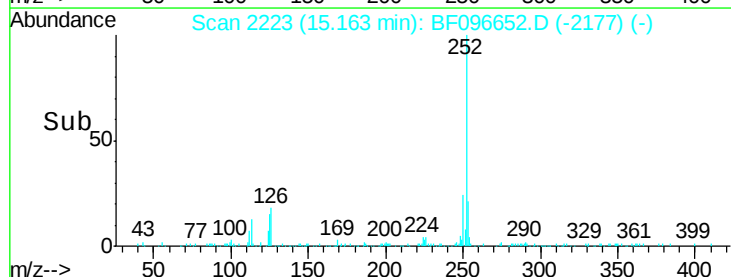
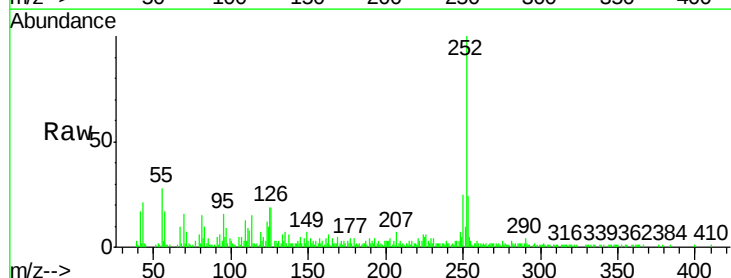
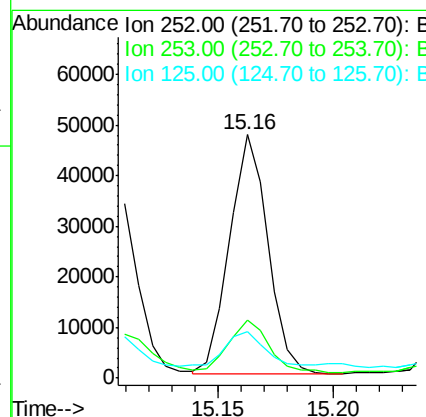
RT: 15.16 min Scan# 2223

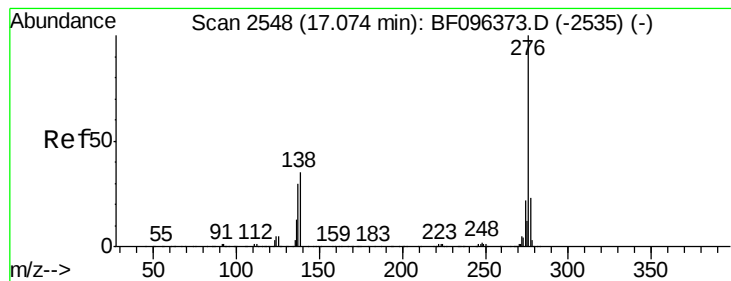
Delta R.T. -0.03 min

Lab File: BF096652.D

Acq: 11 Jul 2017 18:54

Tgt Ion:	252	Resp:	54326
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.5	26.3
125	19.3	11.0	16.4#





#91

Benzo(g,h,i)perylene

Concen: 2.908 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.04 min

Lab File: BF096652.D

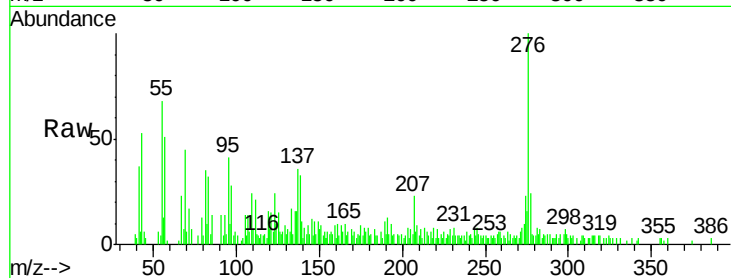
Acq: 11 Jul 2017 18:54

Instrument :

BNA_F

ClientSampleId :

SB-3(6.5-7.0)



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	26661		
277	24.2	18.6	28.0	
138	32.6	25.4	38.0	

Manual Integrations
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