

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
 Data File : BF095908.D
 Acq On : 13 Jun 2017 22:56
 Operator : SJ/MA
 Sample : I3636-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-061217

Manual Integrations
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Quant Time: Jun 14 05:20:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	72114	20.00	ng	-0.05
21) Naphthalene-d8	9.38	136	279753	20.00	ng	-0.05
38) Acenaphthene-d10	12.20	164	110383	20.00	ng	-0.05
63) Phenanthrene-d10	14.60	188	169232	20.00	ng	-0.05
75) Chrysene-d12	18.32	240	145233	20.00	ng	-0.04
86) Perylene-d12	19.99	264	100766	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	402434	88.92	ng	-0.05
7) Phenol-d6	6.92	99	501362	92.54	ng	-0.04
23) Nitrobenzene-d5	8.27	82	282673	62.75	ng	-0.05
41) 2,4,6-Tribromophenol	13.50	330	81093	83.03	ng	-0.05
44) 2-Fluorobiphenyl	11.16	172	554729	69.93	ng	-0.06
78) Terphenyl-d14	16.97	244	373837	63.88	ng	-0.04
Target Compounds						Qvalue
49) Dimethylphthalate	11.86	163	48782	5.82	ng	97
70) Phenanthrene	14.63	178	82886	8.49	ng	97
71) Anthracene	14.73	178	23772	2.33	ng	96
74) Fluoranthene	16.42	202	120750	12.49	ng	98
77) Pyrene	16.72	202	132535	12.23	ng	96
80) Benzo(a)anthracene	18.31	228	56544m	6.70	ng	
82) Chrysene	18.35	228	56803	6.73	ng	94
85) Indeno(1,2,3-cd)pyrene	21.18	276	20435	2.83	ng	92
87) Benzo(b)fluoranthene	19.59	252	47254	7.49	ng	# 91
88) Benzo(k)fluoranthene	19.62	252	17555m	2.91	ng	
89) Benzo(a)pyrene	19.94	252	34575	5.96	ng	# 92
91) Benzo(a,h,i)perylene	21.51	276	21445	4.28	ng	# 91

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

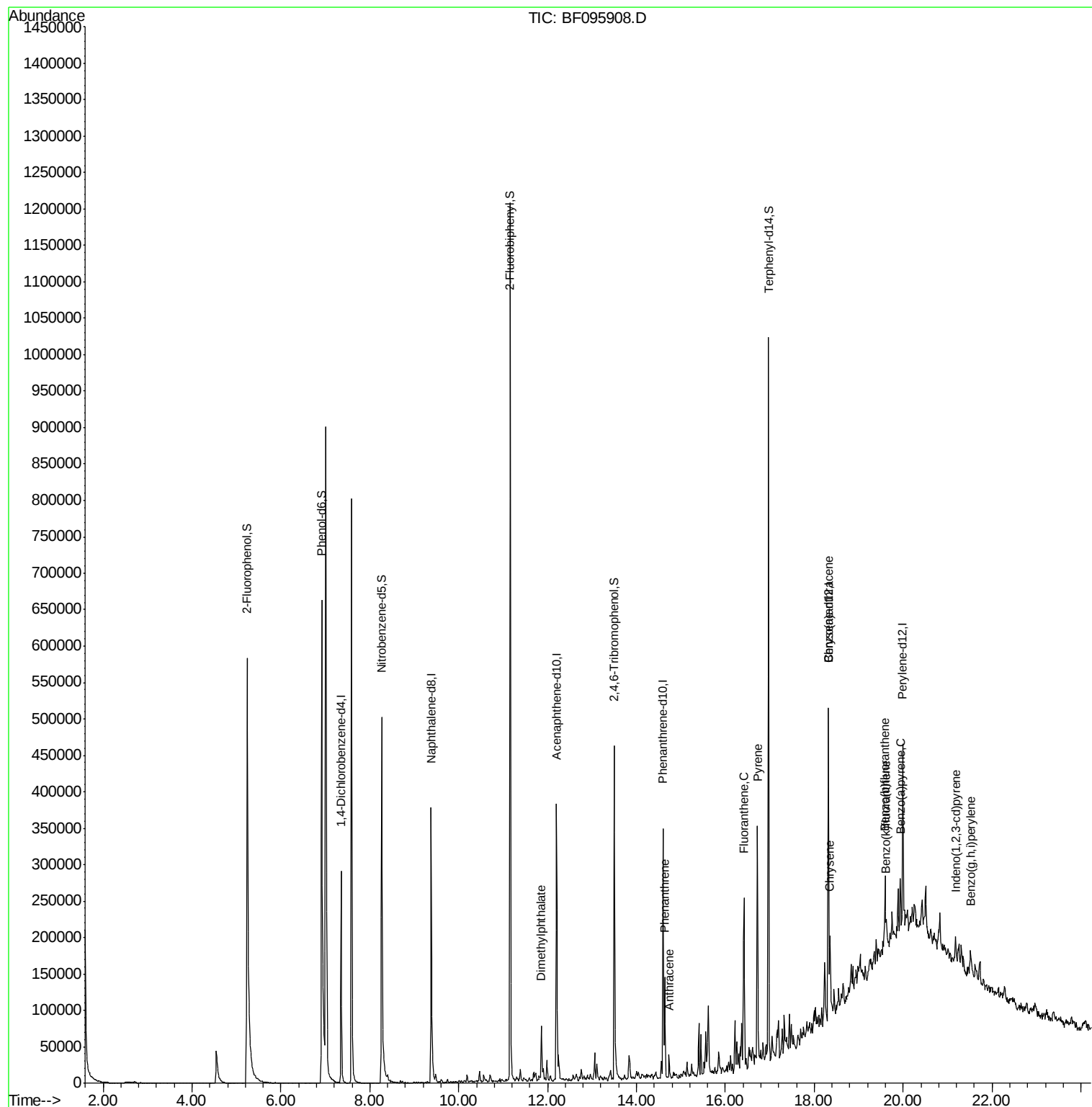
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
Data File : BF095908.D
Acq On : 13 Jun 2017 22:56
Operator : SJ/MA
Sample : I3636-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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#1

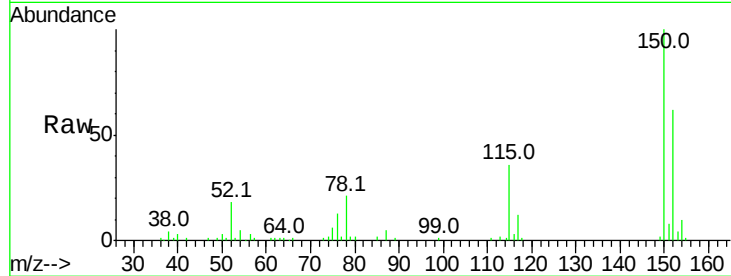
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 980
Delta R.T. -0.05 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :
OR-02-061217

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.8	126.2	189.2
115	58.5	52.2	78.2

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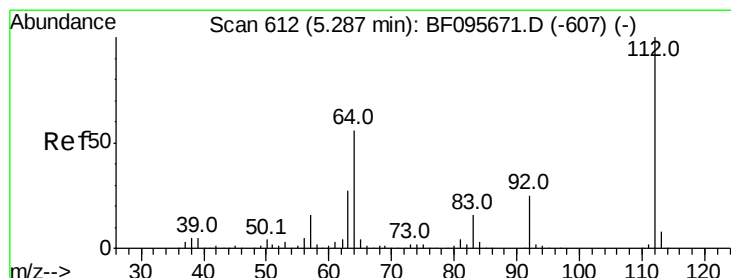
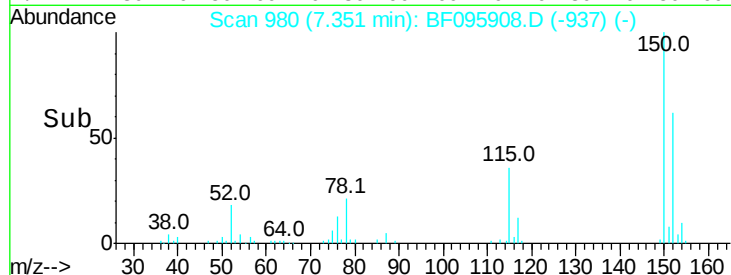
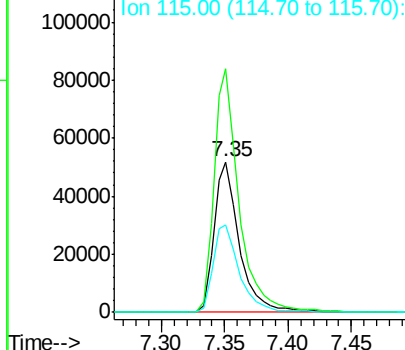


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

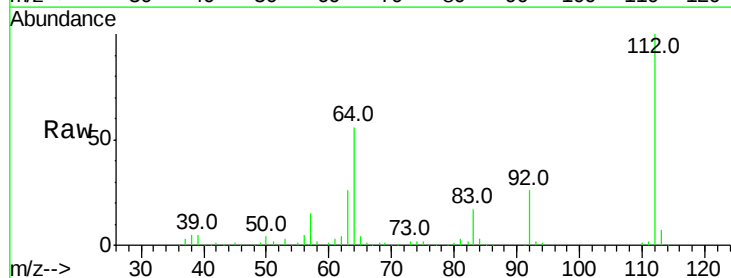
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 88.92 ng
RT: 5.24 min Scan# 621
Delta R.T. -0.05 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	46.0	69.0
63	26.4	23.4	35.0

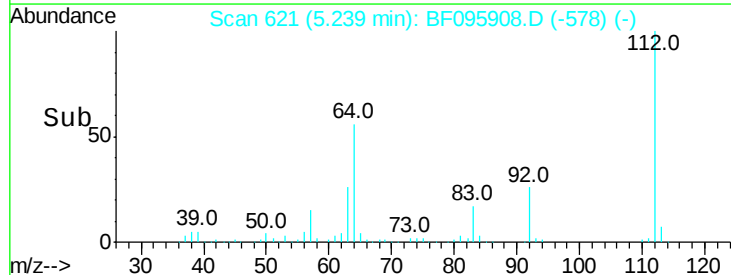
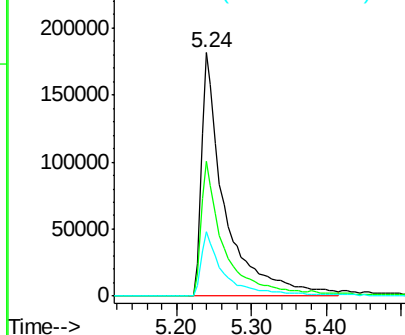


Abundance

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: 92.54 ng

RT: 6.92 min Scan# 906

Delta R.T. -0.04 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

Instrument :

BNA_F

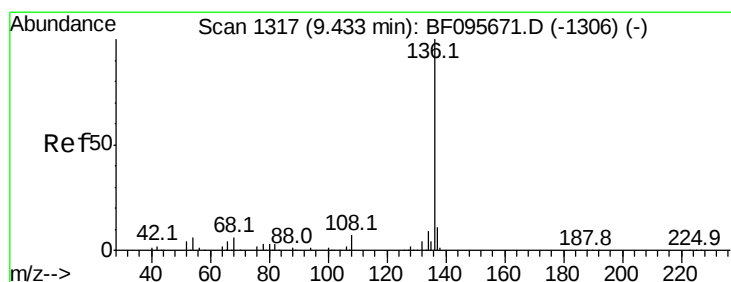
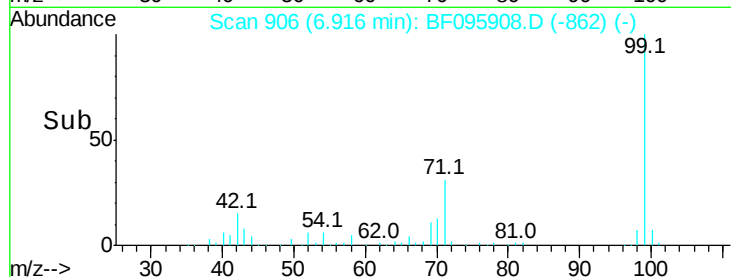
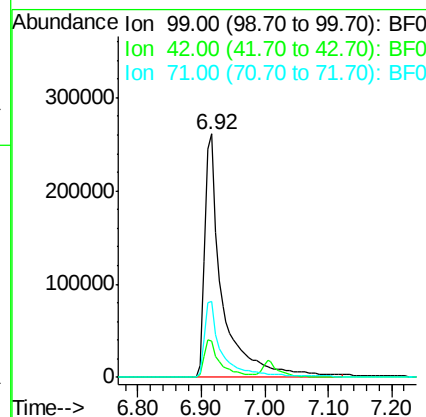
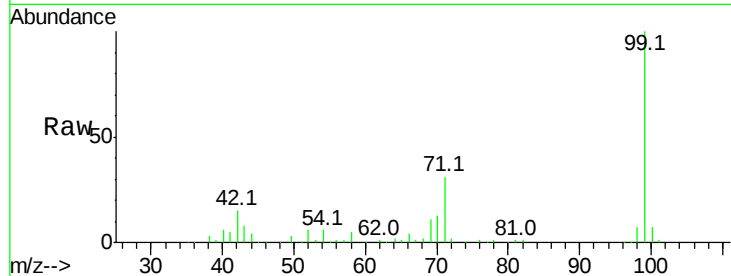
ClientSampleId :

OR-02-061217

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		501362		
42	14.7	13.5	20.3		
71	31.1	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

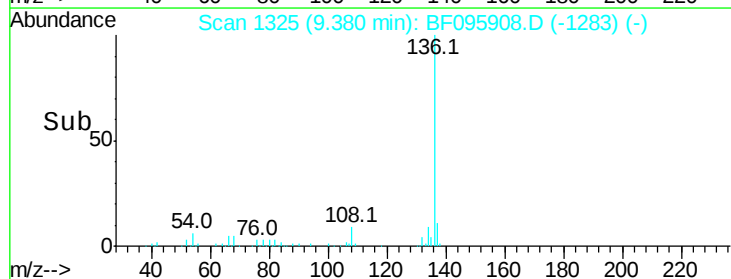
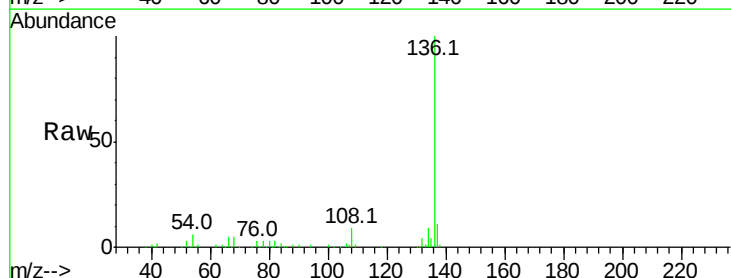
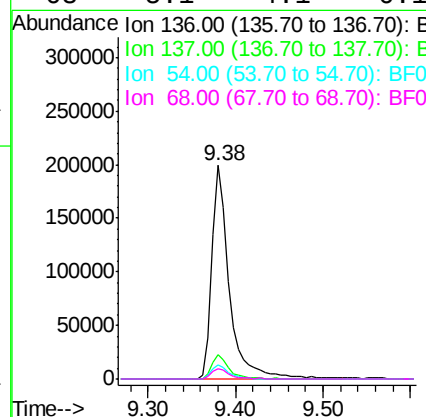
RT: 9.38 min Scan# 1325

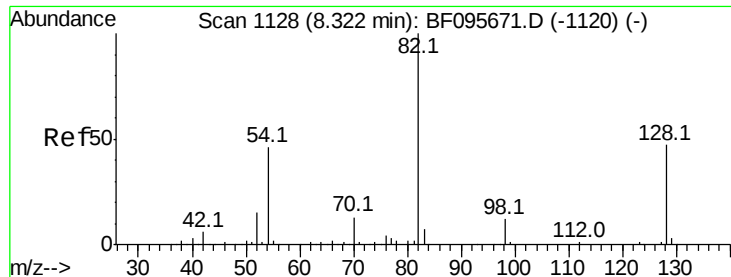
Delta R.T. -0.05 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		279753		
137	11.1	8.5	12.7		
54	6.3	4.9	7.3		
68	5.1	4.1	6.1		





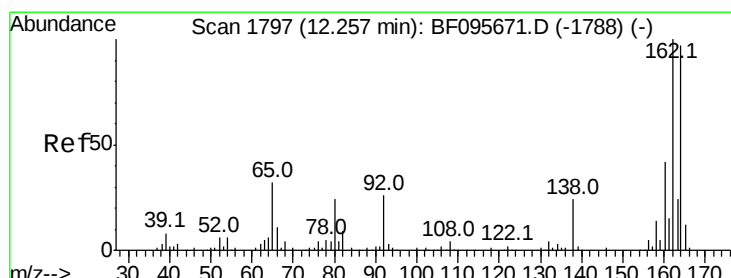
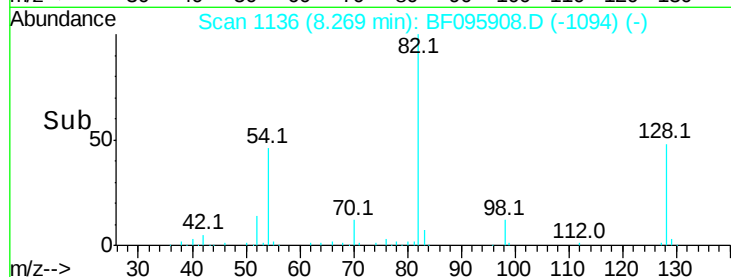
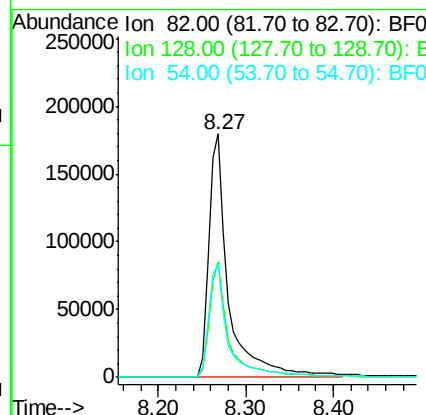
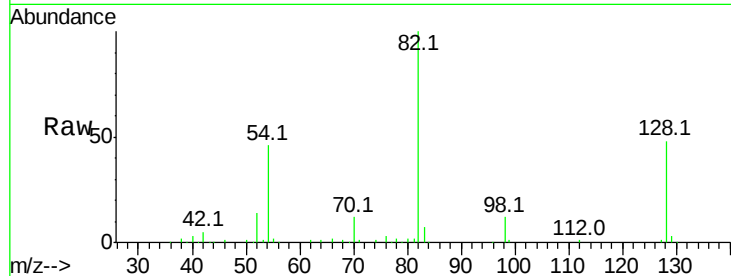
#23
Nitrobenzene-d5
Concen: 62.75 ng
RT: 8.27 min Scan# 1136
Delta R.T. -0.05 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :
OR-02-061217

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	34.0	51.0
54	46.2	42.2	63.2

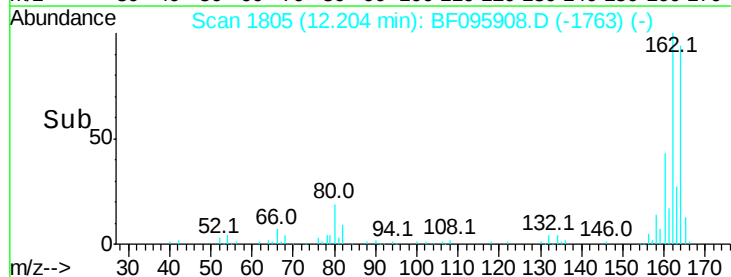
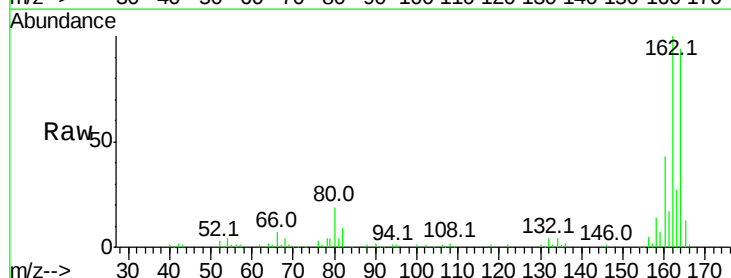
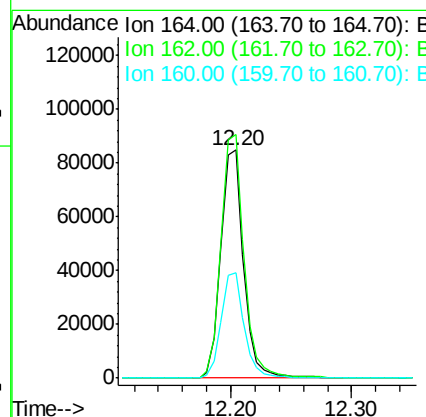
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.20 min Scan# 1805
Delta R.T. -0.05 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.8	82.6	123.8
160	46.2	36.2	54.2





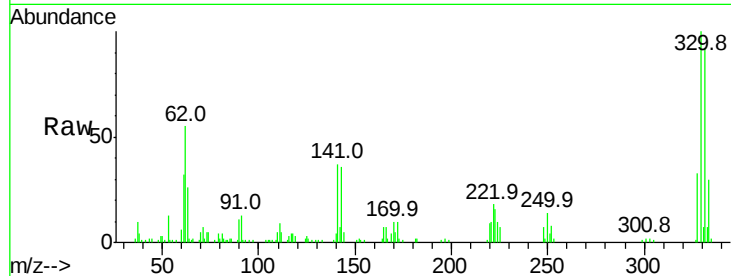
#41
2,4,6-Tribromophenol
Concen: 83.03 ng
RT: 13.50 min Scan# 2025
Delta R.T. -0.05 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :
OR-02-061217

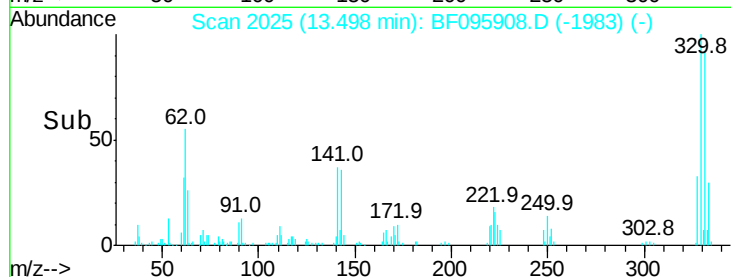
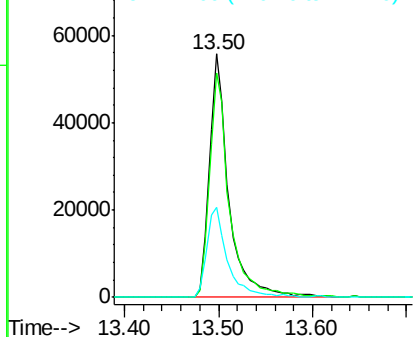
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	115.0
141	39.5	31.4	47.2

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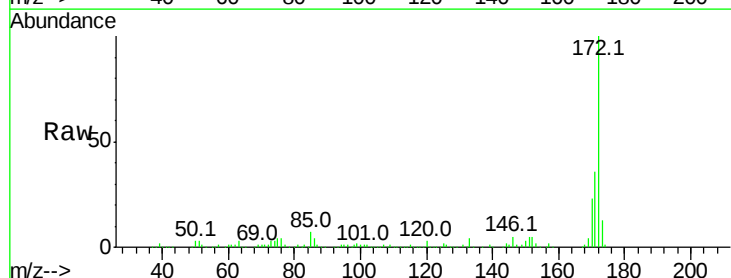


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

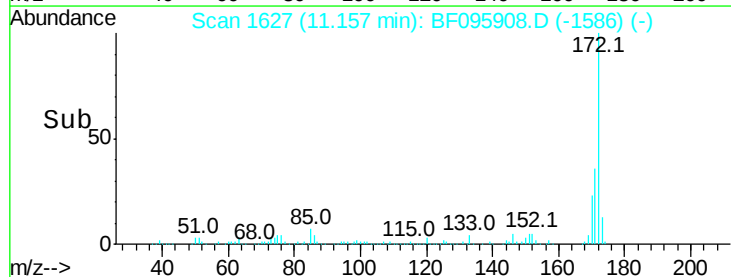
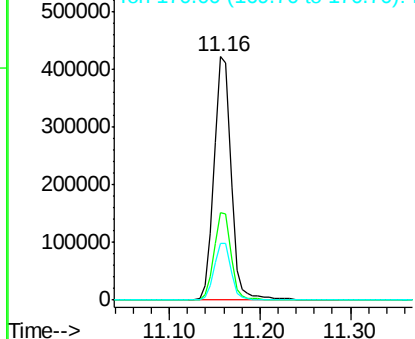


#44
2-Fluorobiphenyl
Concen: 69.93 ng
RT: 11.16 min Scan# 1627
Delta R.T. -0.06 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.3	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





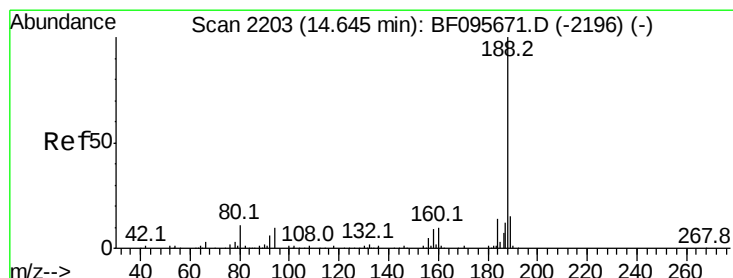
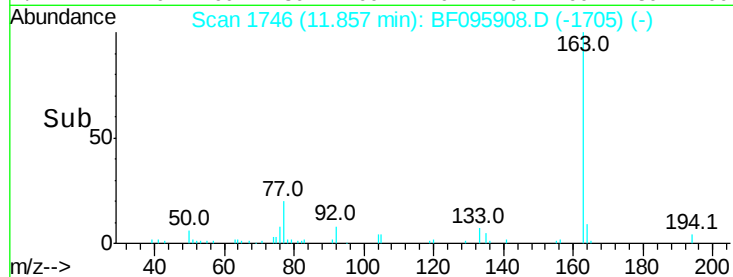
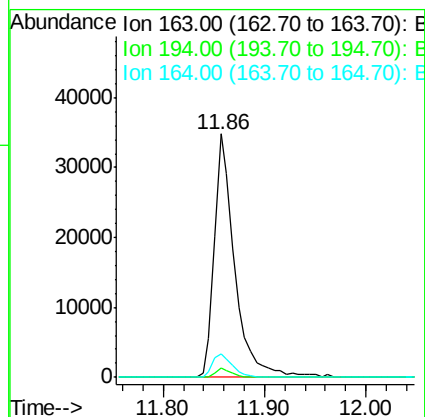
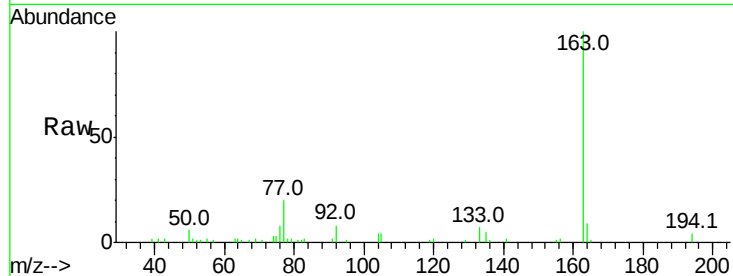
#49
Dimethylphthalate
Concen: 5.82 ng
RT: 11.86 min Scan# 1746
Delta R.T. -0.06 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :
OR-02-061217

Tot Ion	Ratio	Resp	Lower	Upper
163	100	48782		
194	3.9		2.6	4.0
164	9.4		8.4	12.6

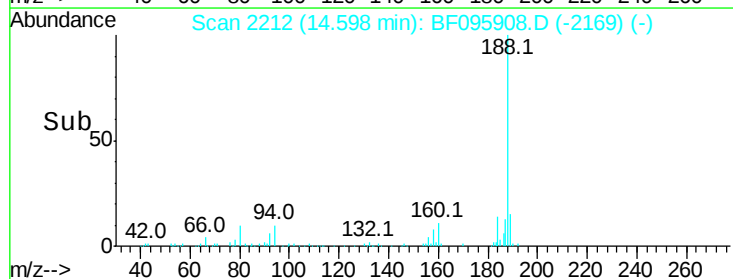
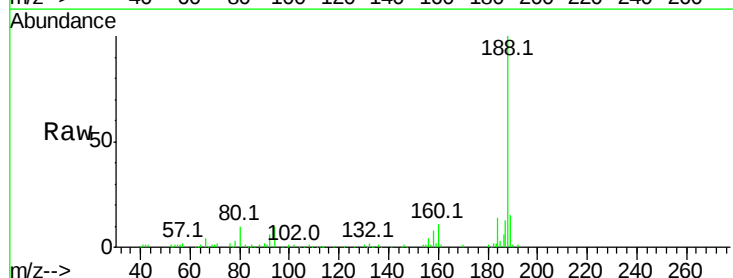
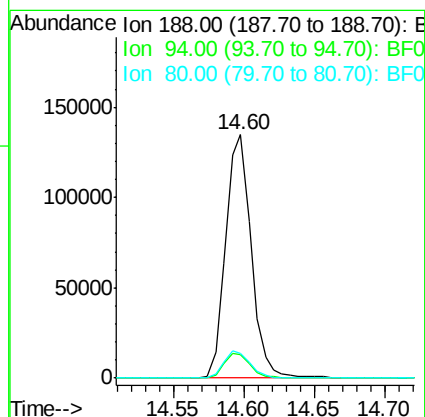
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.60 min Scan# 2212
Delta R.T. -0.05 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	169232		
94	9.8		9.4	14.2
80	10.4		10.2	15.2





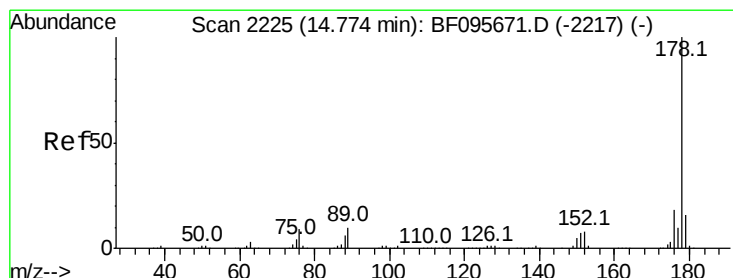
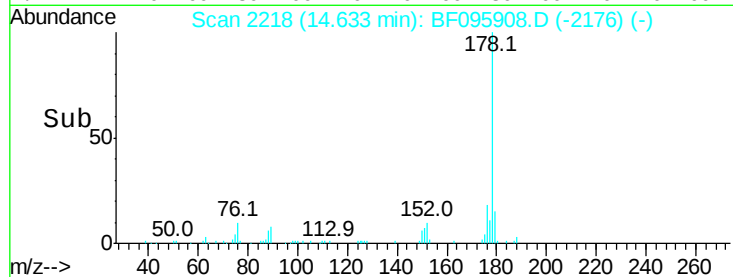
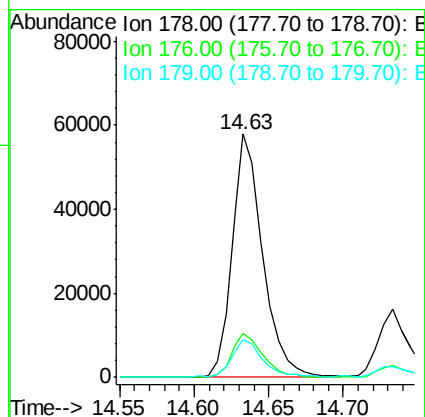
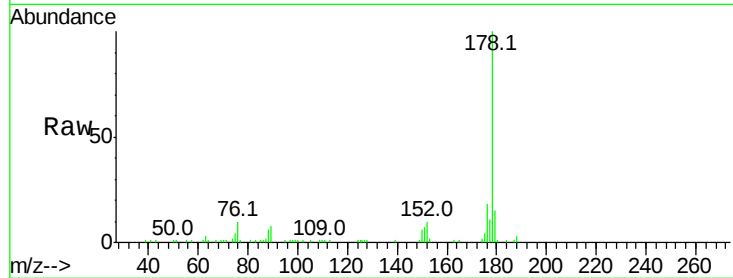
#70
Phenanthrene
Concen: 8.49 ng
RT: 14.63 min Scan# 2218
Delta R.T. -0.05 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :
OR-02-061217

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.2	24.4
179	15.4	12.6	19.0

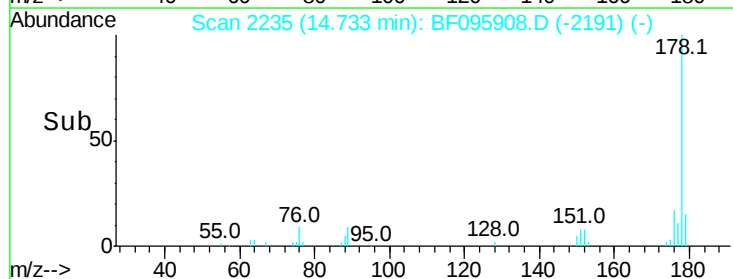
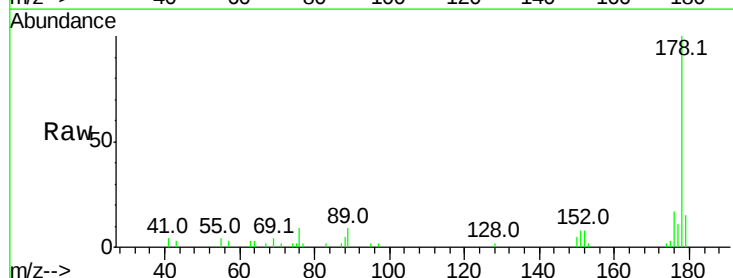
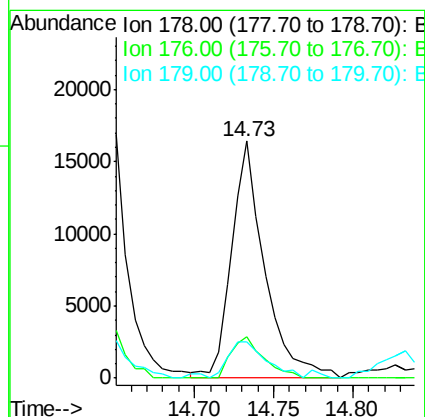
Manual Integrations
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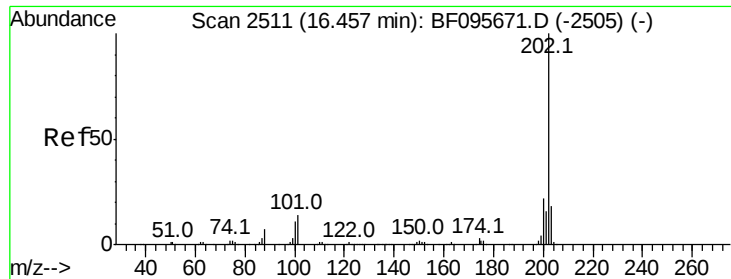
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#71
Anthracene
Concen: 2.33 ng
RT: 14.73 min Scan# 2235
Delta R.T. -0.04 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.8	23.8
179	15.1	12.7	19.1





#74

Fluoranthene

Concen: 12.49 ng

RT: 16.42 min Scan# 2521

Delta R.T. -0.04 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

Instrument :

BNA_F

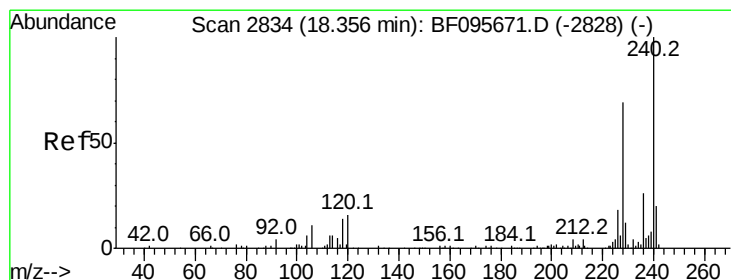
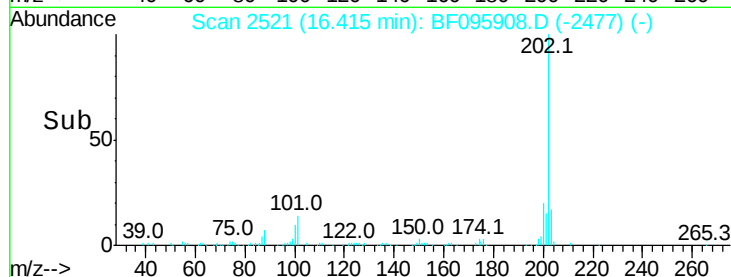
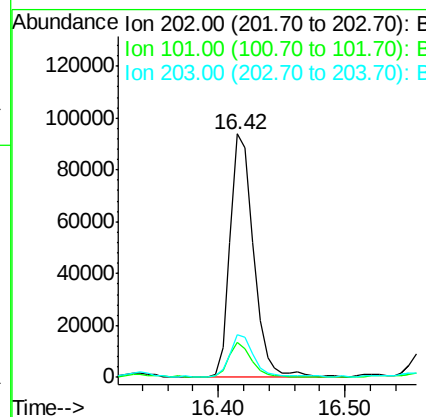
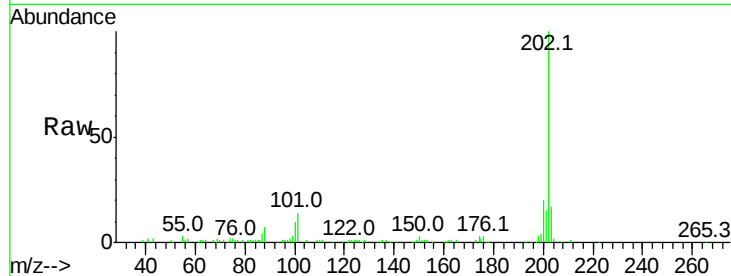
ClientSampleId :

OR-02-061217

Tot Ion	Ratio	Resp	Lower	Upper
202	100	120750		
101	14.2	0.0	33.2	
203	17.3	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

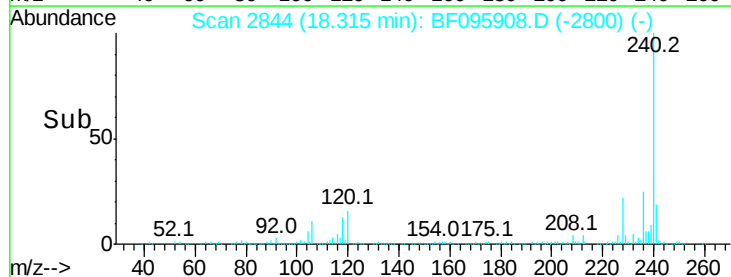
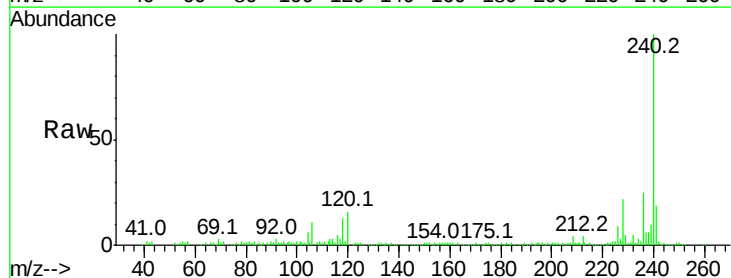
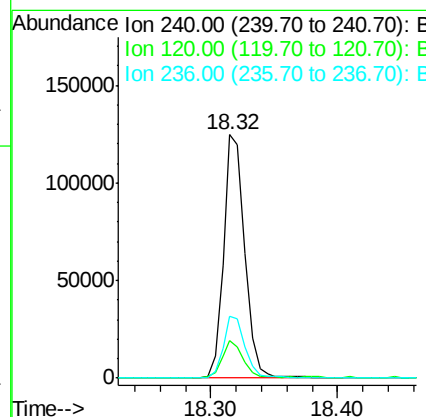
RT: 18.32 min Scan# 2844

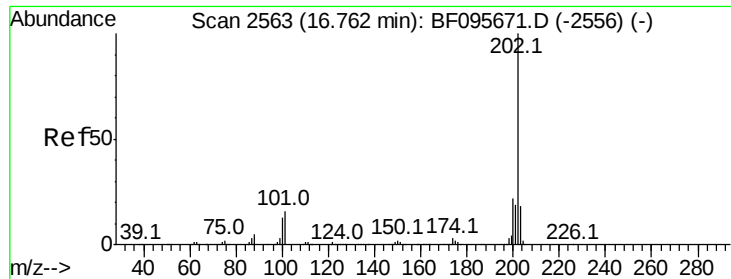
Delta R.T. -0.04 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	145233		
120	15.7	5.8	8.8#	
236	25.5	20.5	30.7	





#77

Pvrene

Concen: 12.23 ng

RT: 16.72 min Scan# 2573

Delta R.T. -0.04 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

Instrument :

BNA_F

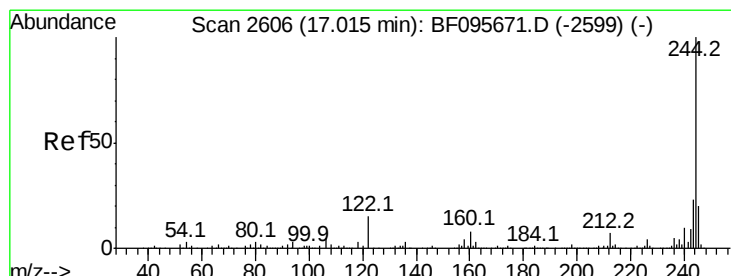
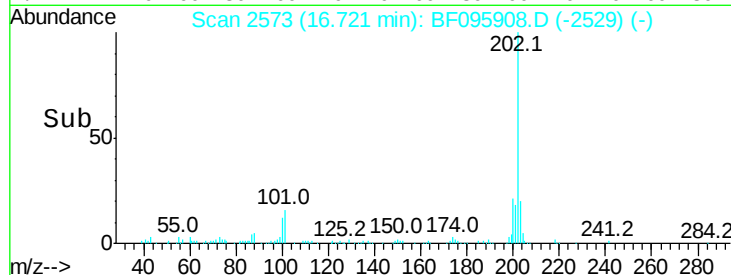
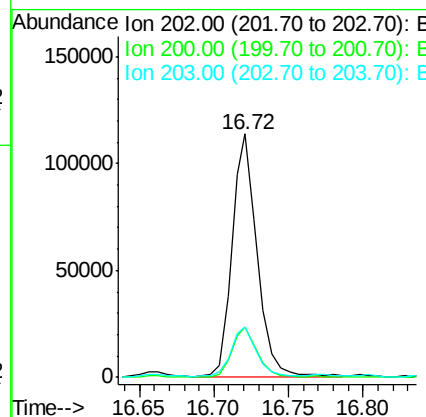
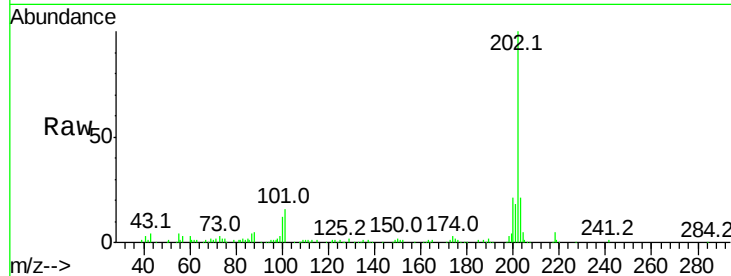
ClientSampleId :

OR-02-061217

Tot Ion:	202	Resp:	132535
Ion Ratio		Lower	Upper
202	100		
200	20.9	17.6	26.4
203	20.6	14.4	21.6

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#78

Terphenyl-d14

Concen: 63.88 ng

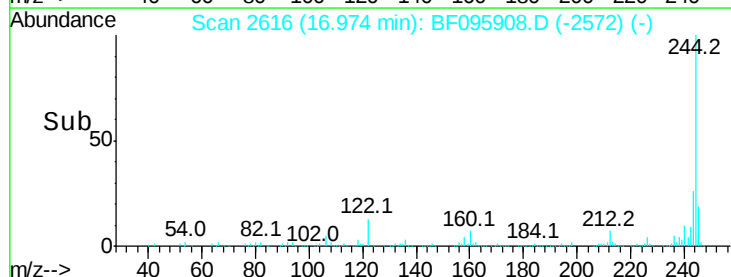
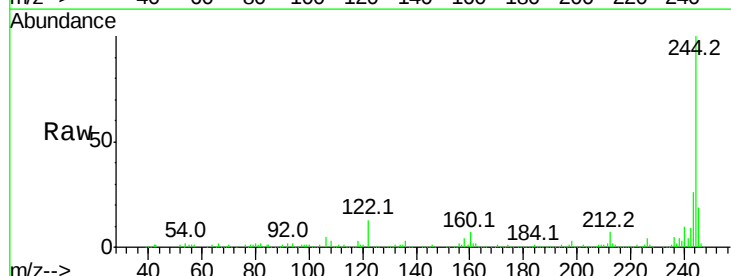
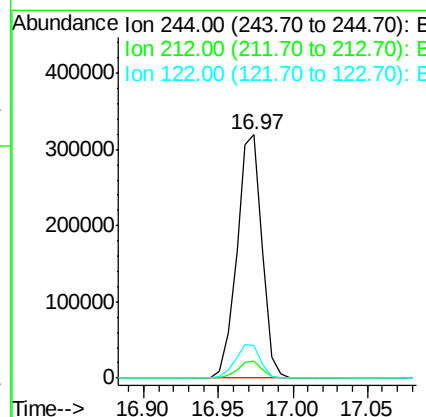
RT: 16.97 min Scan# 2616

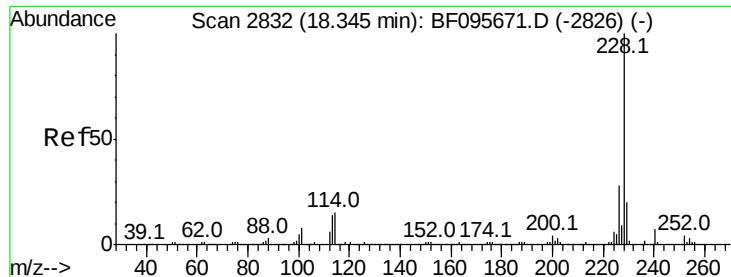
Delta R.T. -0.04 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

Tgt Ion:	244	Resp:	373837
Ion Ratio		Lower	Upper
244	100		
212	6.8	6.0	9.0
122	13.2	10.3	15.5





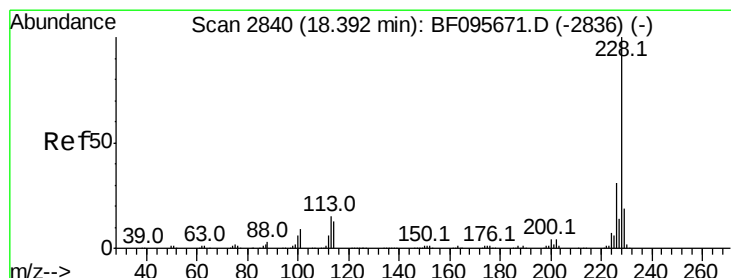
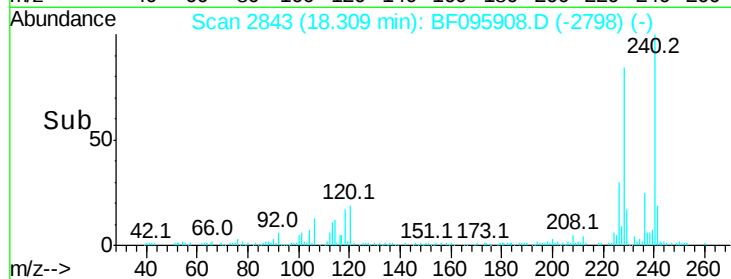
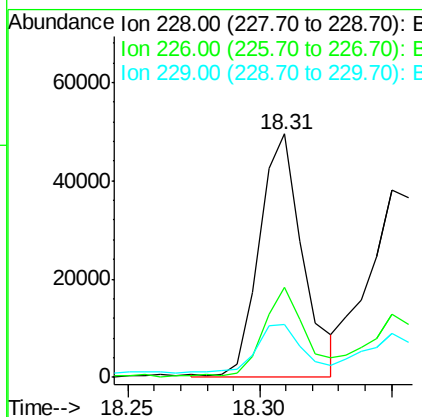
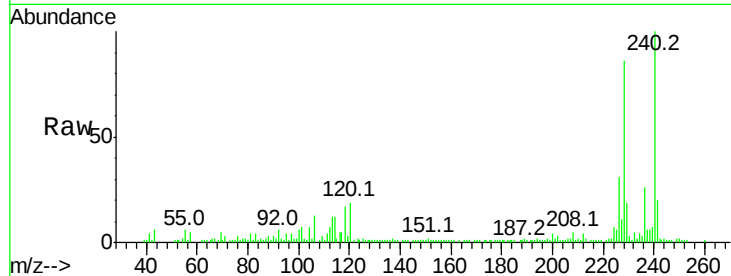
#80
Benzo(a)anthracene
Concen: 6.70 ng
RT: 18.31 min Scan# 2843
Delta R.T. -0.04 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :
OR-02-061217

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.7	22.6	33.8
229	21.8	16.3	24.5

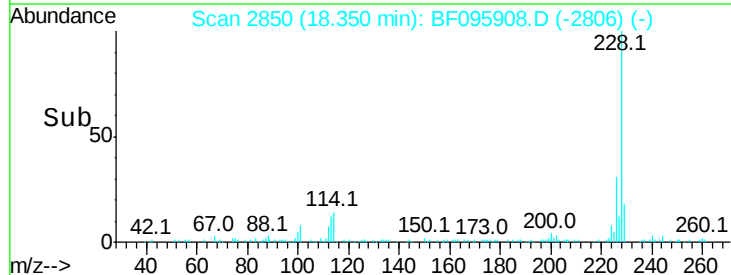
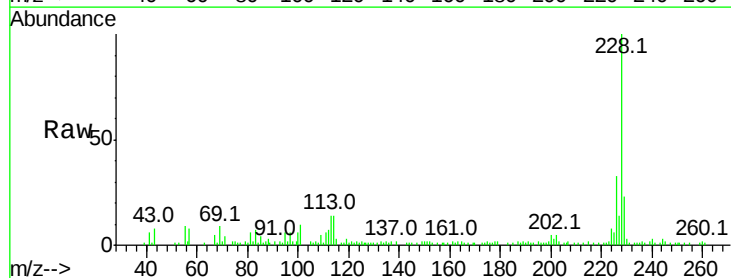
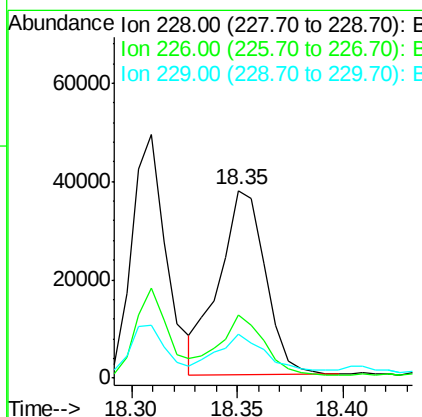
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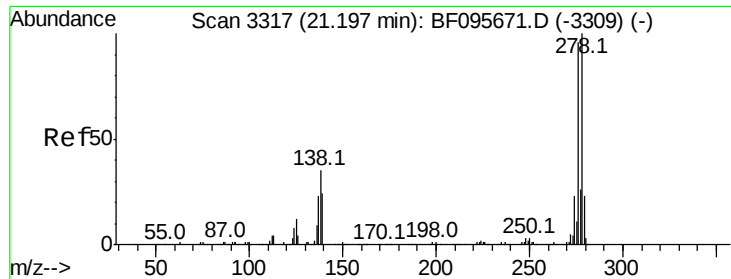
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#82
Chrysene
Concen: 6.73 ng
RT: 18.35 min Scan# 2850
Delta R.T. -0.04 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	24.9	37.3
229	23.4	15.8	23.6





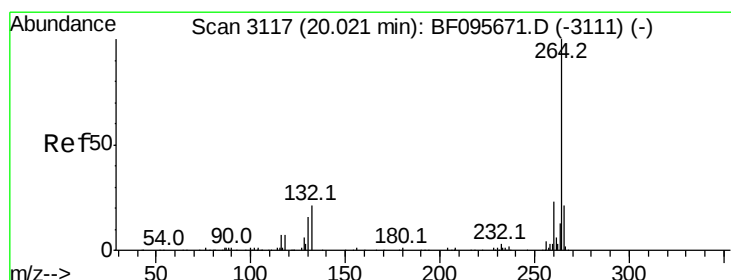
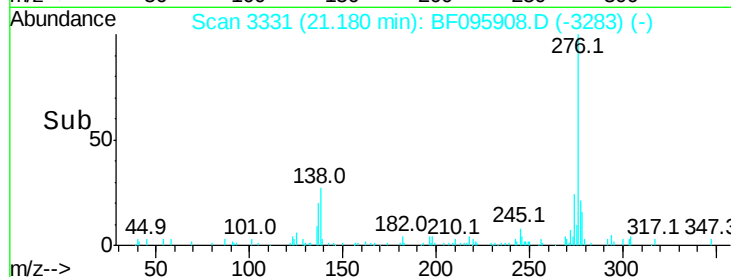
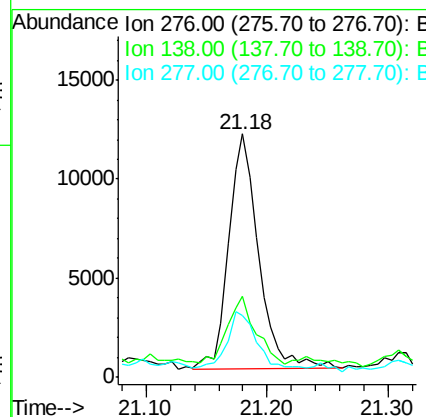
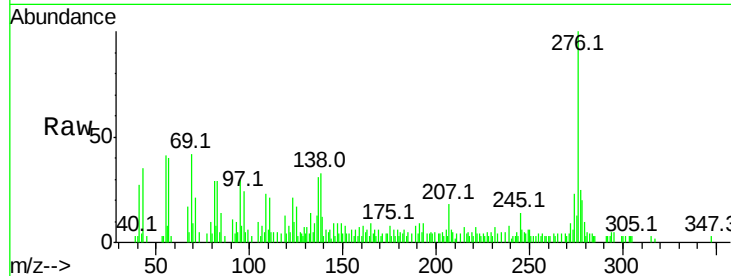
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.83 ng
RT: 21.18 min Scan# 3331
Delta R.T. -0.02 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :
OR-02-061217

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.6	27.8	41.6
277	29.1	20.2	30.4

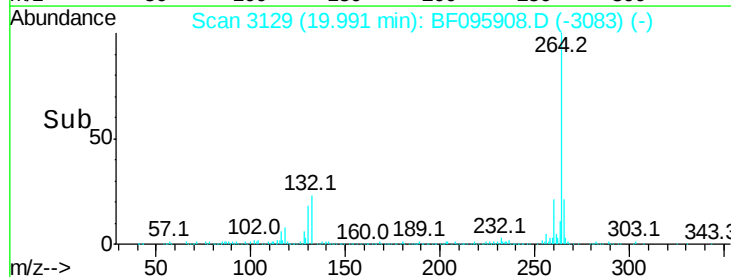
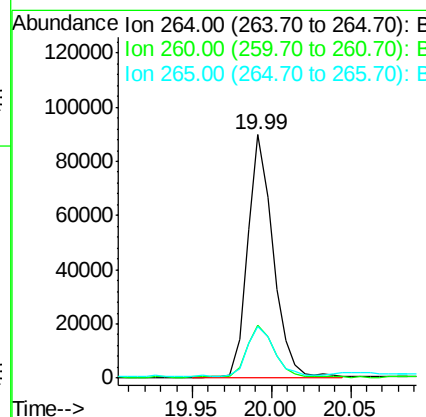
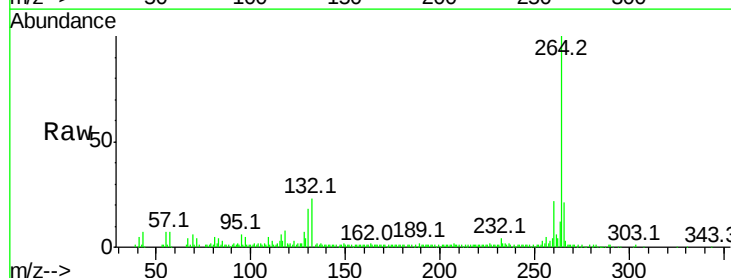
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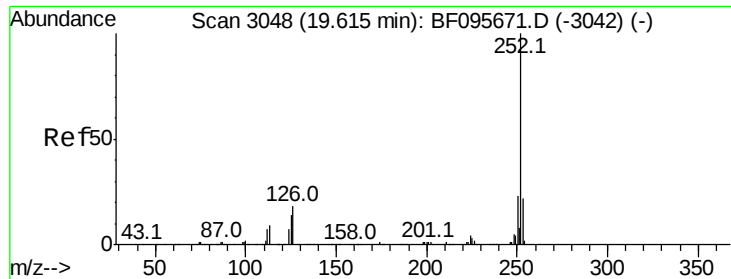
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#86
Perylene-d12
Concen: 20.00 ng
RT: 19.99 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.8	19.5	29.3
265	21.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 7.49 ng

RT: 19.59 min Scan# 3061

Delta R.T. -0.02 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

Instrument :

BNA_F

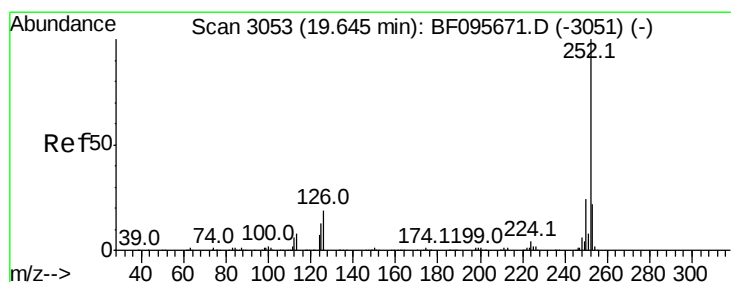
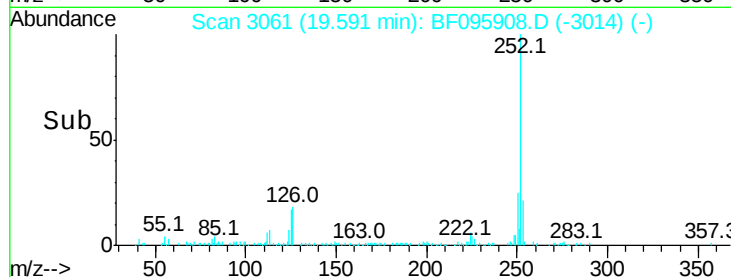
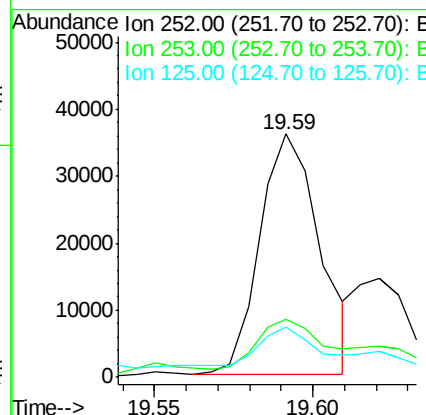
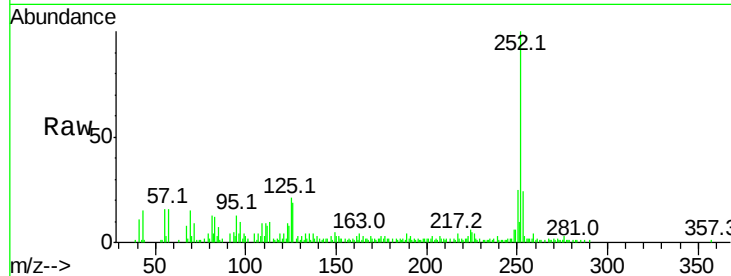
ClientSampleId :

OR-02-061217

Tot Ion:	252	Resp:	47254
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.1	27.1
125	20.7	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 2.91 ng m

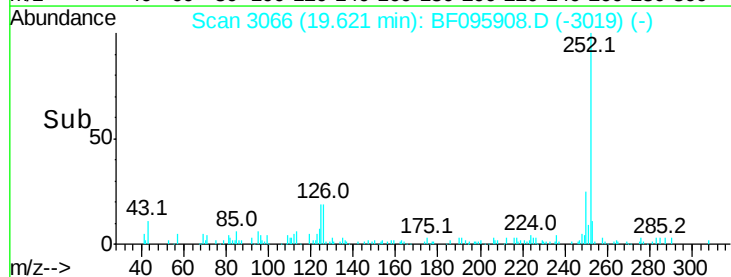
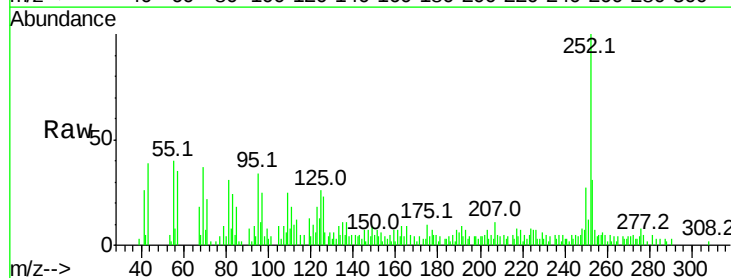
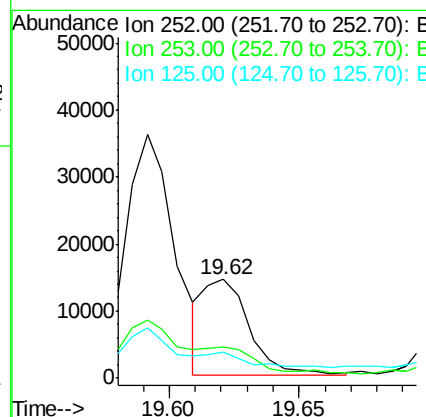
RT: 19.62 min Scan# 3066

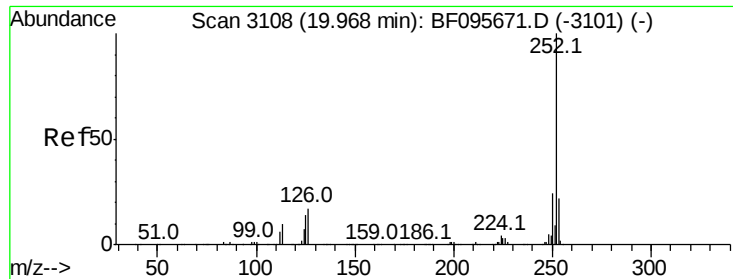
Delta R.T. -0.02 min

Lab File: BF095908.D

Acq: 13 Jun 2017 22:56

Tgt Ion:	252	Resp:	17555
Ion Ratio	Lower	Upper	
252	100		
253	31.3	18.4	27.6#
125	25.8	13.1	19.7#





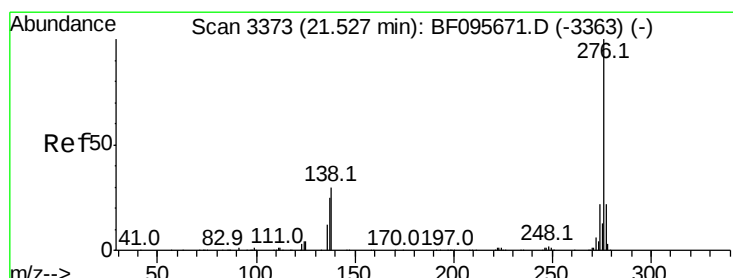
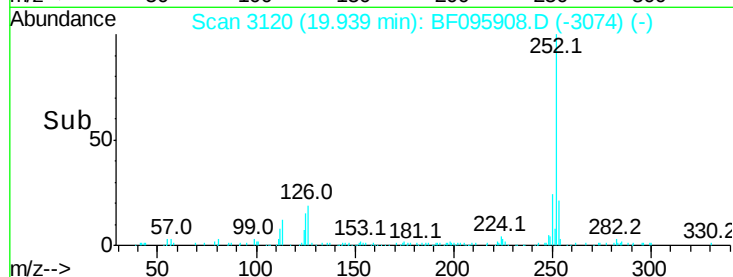
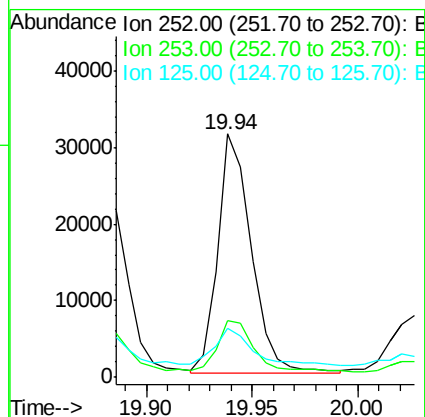
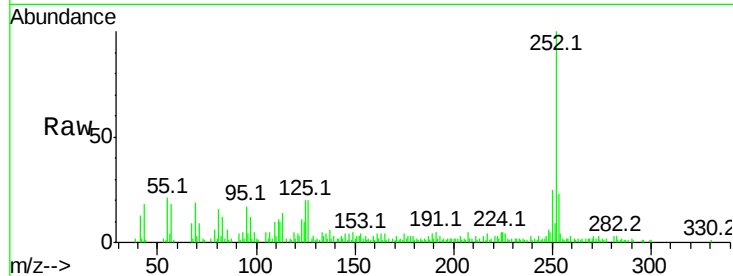
#89
Benzo(a)pyrene
Concen: 5.96 ng
RT: 19.94 min Scan# 3120
Delta R.T. -0.03 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :
OR-02-061217

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	20.3	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 4.28 ng
RT: 21.51 min Scan# 3388
Delta R.T. -0.01 min
Lab File: BF095908.D
Acq: 13 Jun 2017 22:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.4	18.6	28.0
138	34.9	25.4	38.0

