

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097287.D
 Acq On : 2 Aug 2017 21:39
 Operator : SJ/JU
 Sample : I4540-01 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12003

Manual Integrations
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Quant Time: Aug 03 00:13:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	110266	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	488478	20.00	ng	-0.05
38) Acenaphthene-d10	9.47	164	206271	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	295185	20.00	ng	-0.05
75) Chrysene-d12	13.57	240	203461	20.00	ng	-0.05
86) Perylene-d12	14.92	264	168752	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	91369	12.49	ng	-0.05
7) Phenol-d6	6.12	99	102018	12.22	ng	-0.05
23) Nitrobenzene-d5	7.02	82	60977	7.32	ng	-0.06
41) 2,4,6-Tribromophenol	10.26	330	18050	11.08	ng	-0.06
44) 2-Fluorobiphenyl	8.81	172	121749	10.02	ng	-0.06
78) Terphenyl-d14	12.53	244	68784	6.89	ng	-0.06
Target Compounds						
70) Phenanthrene	10.97	178	94149	5.953	ng	Qvalue 97
74) Fluoranthene	12.16	202	118859	7.671	ng	96
77) Pyrene	12.38	202	108008	6.484	ng	97
80) Benzo(a)anthracene	13.56	228	43975	3.340	ng	99
82) Chrysene	13.60	228	39372	3.063	ng	97
87) Benzo(b)fluoranthene	14.56	252	46532m	4.587	ng	
89) Benzo(a)pyrene	14.86	252	32376	3.487	ng	# 90
91) Benzo(g,h,i)perylene	16.49	276	16635	2.084	ng	# 89

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

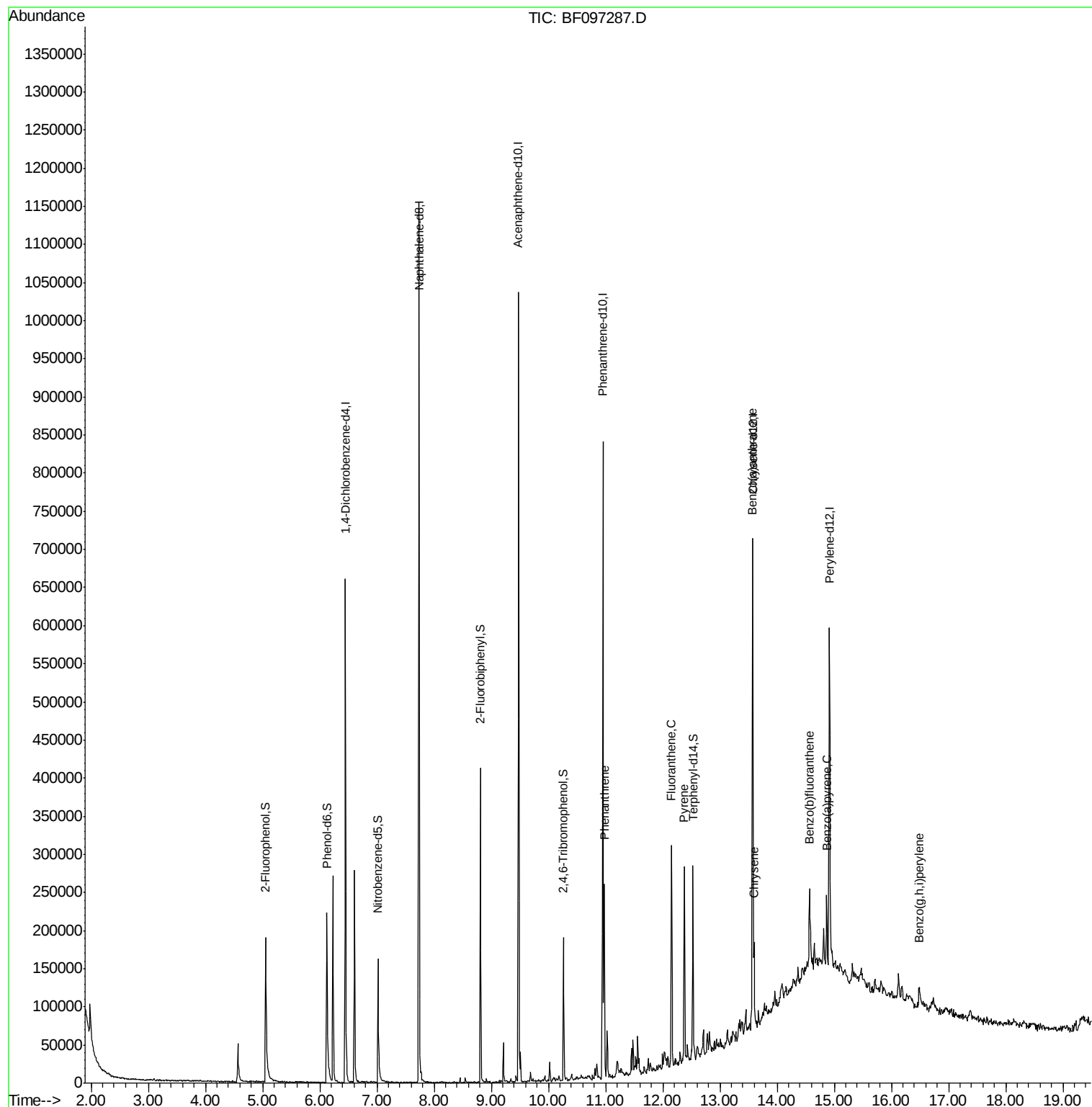
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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Sample : I4540-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

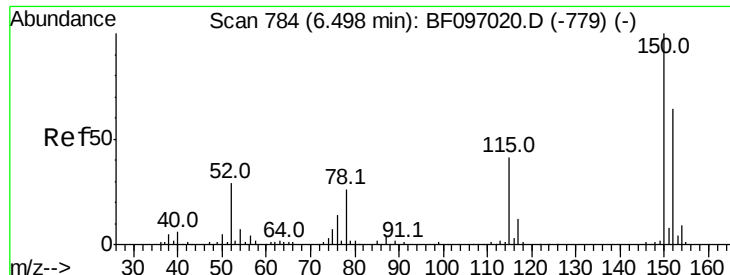
Instrument :
BNA_F
ClientSampleId :
72-12003

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Quant Time: Aug 03 00:13:21 2017
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#1

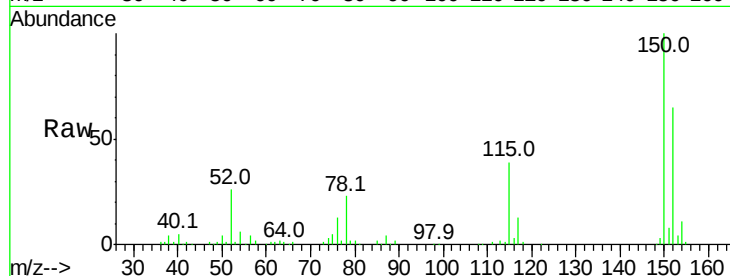
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Instrument :
BNA_F
ClientSampleId :
72-12003

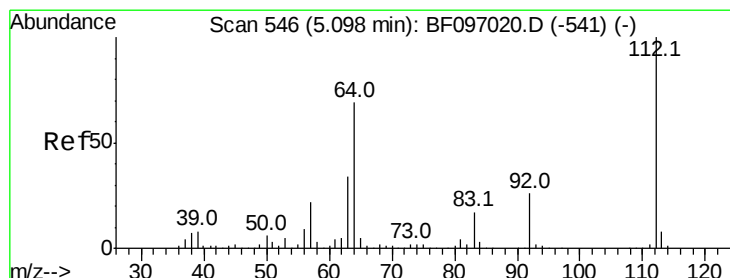
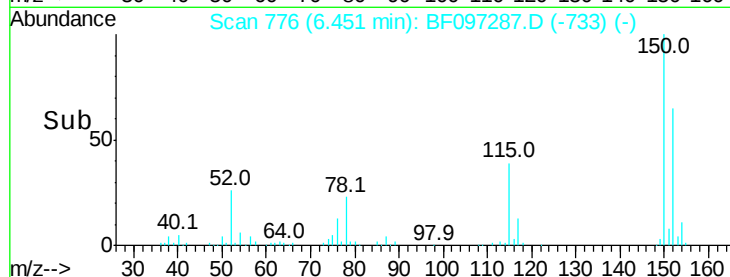
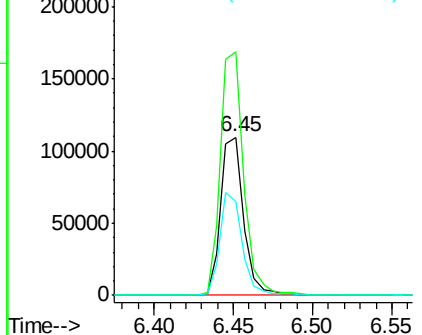
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.2	189.2
115	59.4	52.2	78.2

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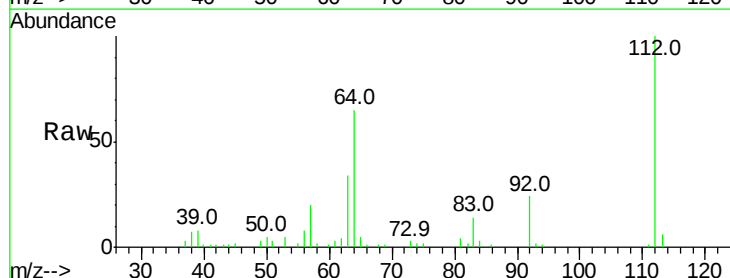
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



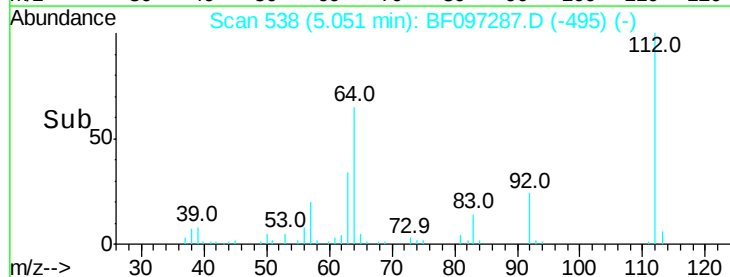
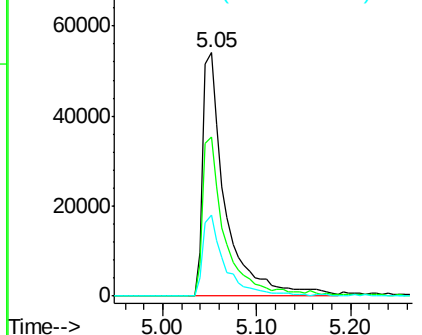
#5

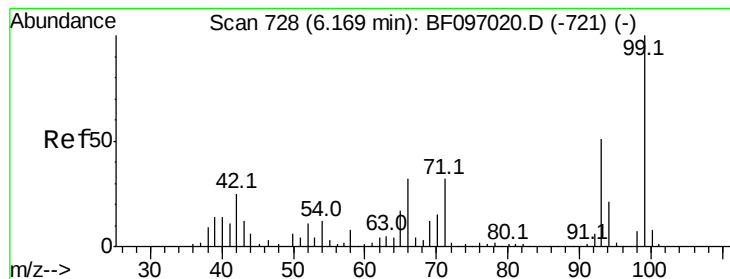
2-Fluorophenol
Concen: 12.491 ng
RT: 5.05 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	46.0	69.0
63	33.5	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: 12.217 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF097287.D

Acq: 2 Aug 2017 21:39

Instrument :

BNA_F

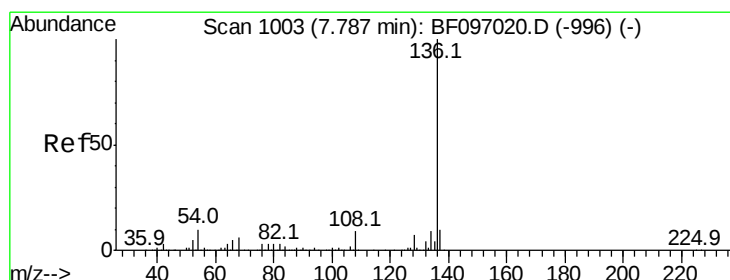
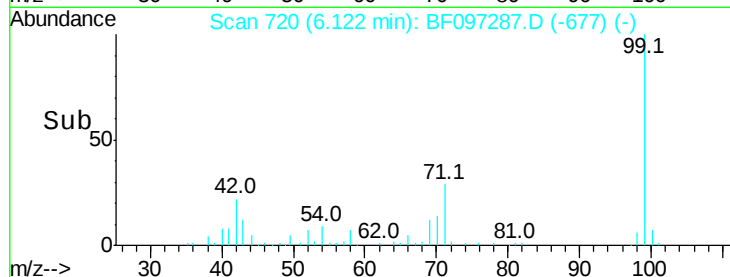
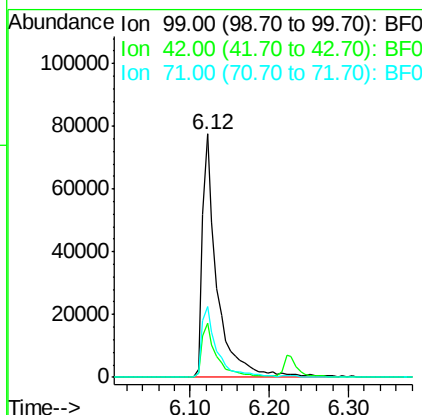
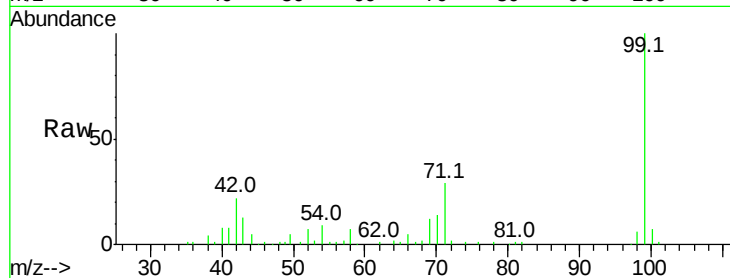
ClientSampled :

72-12003

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		102018		
42	22.5	13.5	20.3#		
71	29.1	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

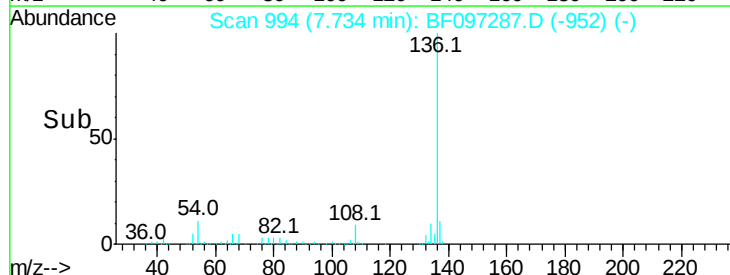
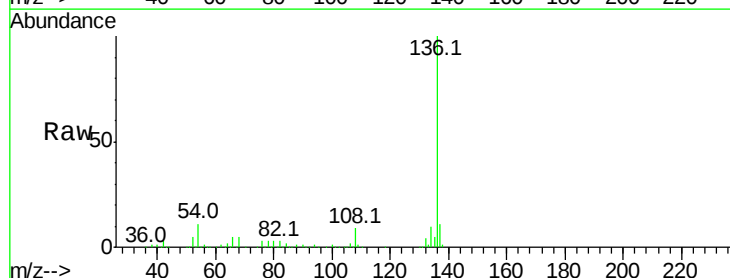
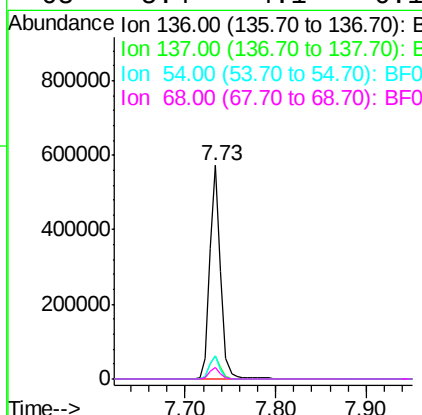
RT: 7.73 min Scan# 994

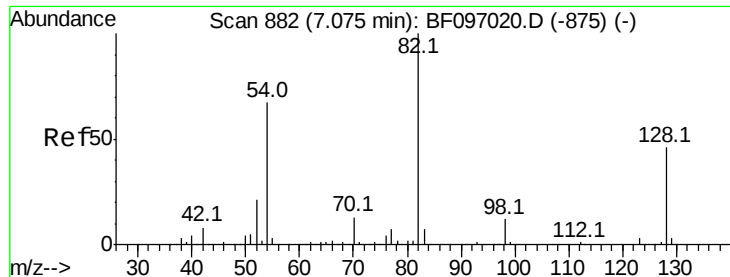
Delta R.T. -0.05 min

Lab File: BF097287.D

Acq: 2 Aug 2017 21:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		488478		
137	10.9	8.5	12.7		
54	10.5	4.9	7.3#		
68	5.4	4.1	6.1		





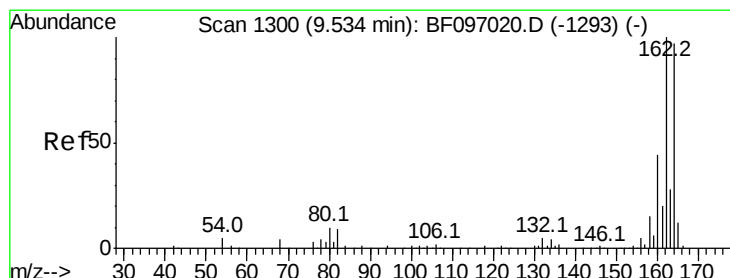
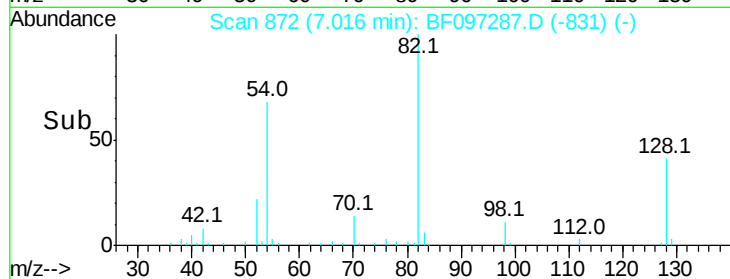
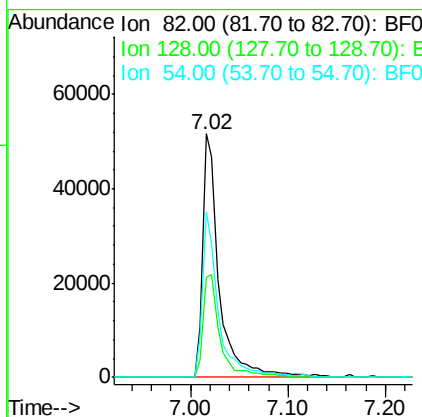
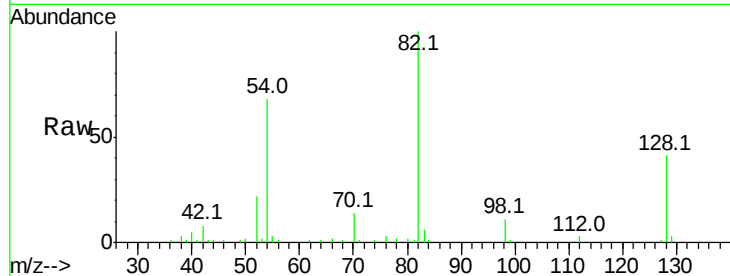
#23
Nitrobenzene-d5
Concen: 7.323 ng
RT: 7.02 min Scan# 872
Delta R.T. -0.06 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Instrument :
BNA_F
ClientSampleId :
72-12003

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.9	34.0	51.0
54	68.1	42.2	63.2

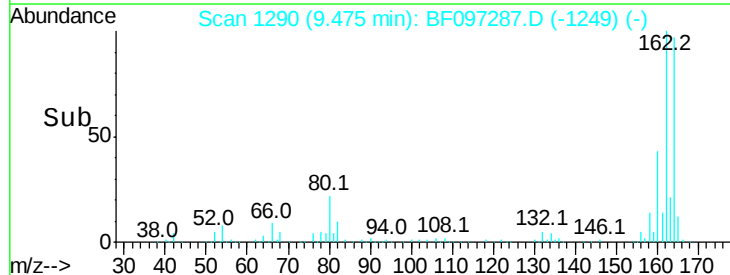
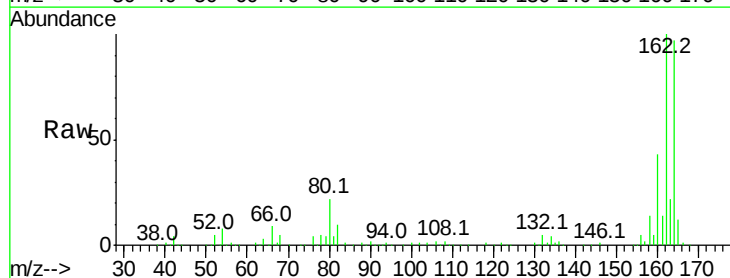
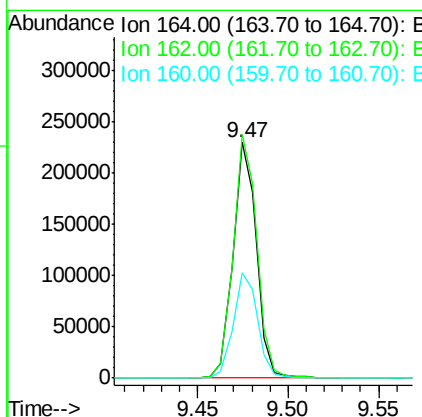
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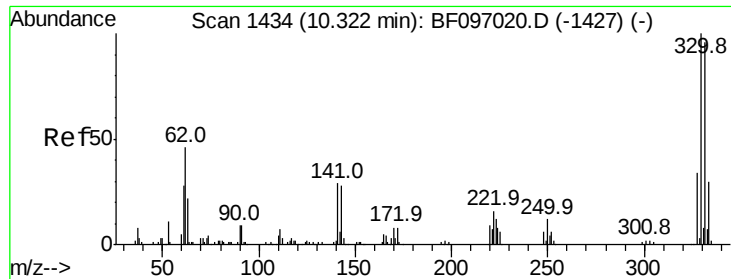
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.47 min Scan# 1290
Delta R.T. -0.06 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	44.8	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 11.075 ng

RT: 10.26 min Scan# 1424

Delta R.T. -0.06 min

Lab File: BF097287.D

Acq: 2 Aug 2017 21:39

Instrument :

BNA_F

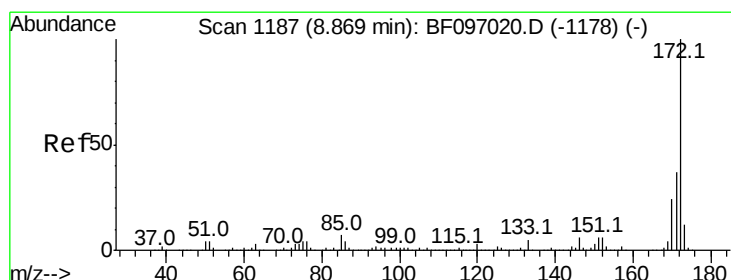
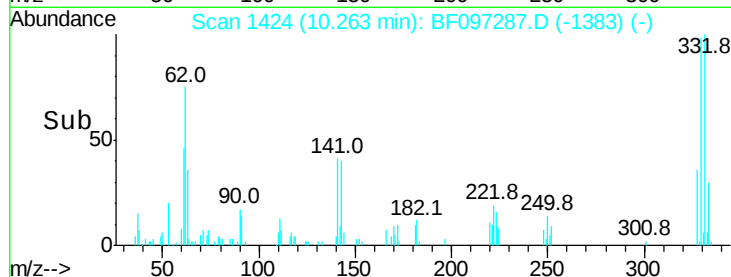
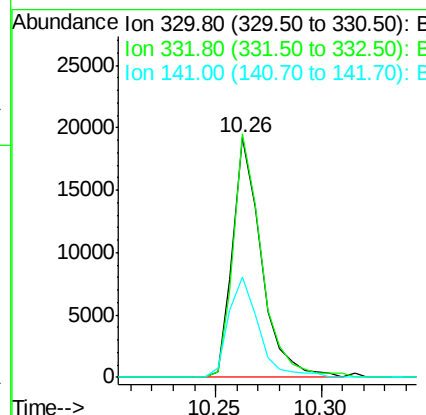
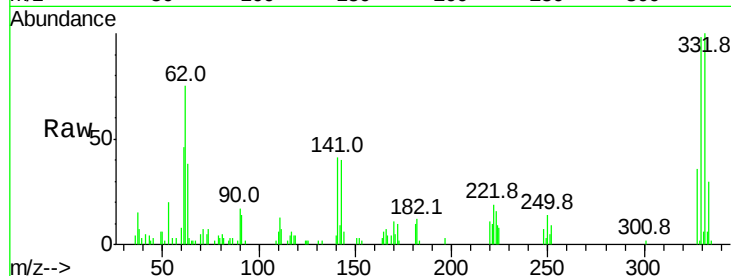
ClientSampled :

72-12003

Tot Ion:	330	Resp:	18050
Ion Ratio	Lower	Upper	
330	100		
332	100.6	76.6	115.0
141	44.1	31.4	47.2

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#44

2-Fluorobiphenyl

Concen: 10.017 ng

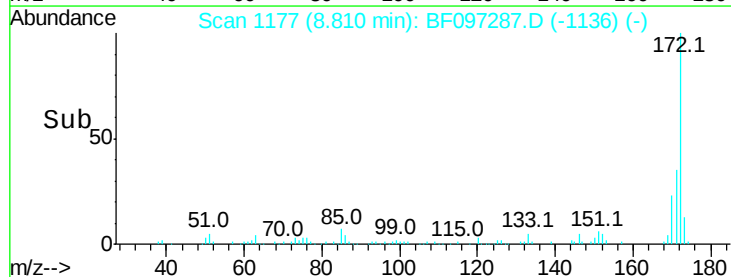
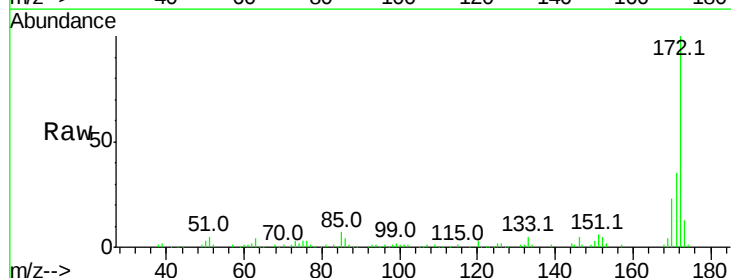
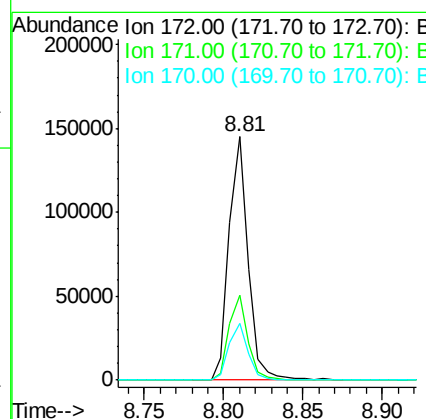
RT: 8.81 min Scan# 1177

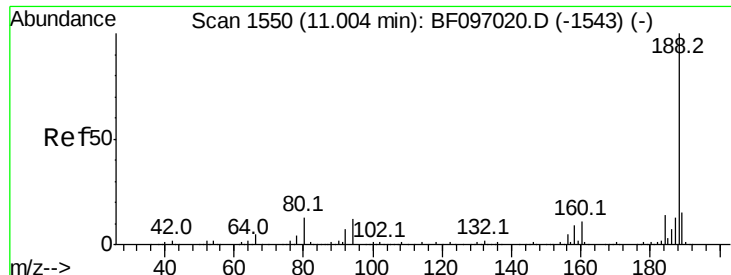
Delta R.T. -0.06 min

Lab File: BF097287.D

Acq: 2 Aug 2017 21:39

Tgt Ion:	172	Resp:	121749
Ion Ratio	Lower	Upper	
172	100		
171	34.7	29.6	44.4
170	23.5	19.8	29.8





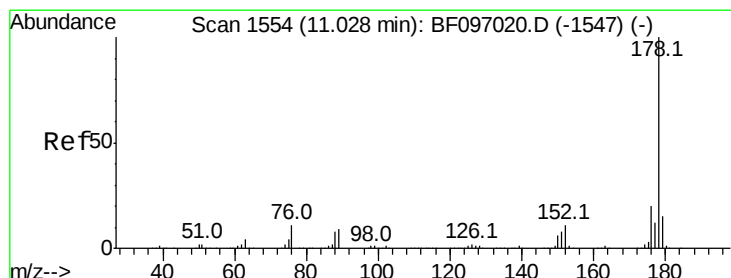
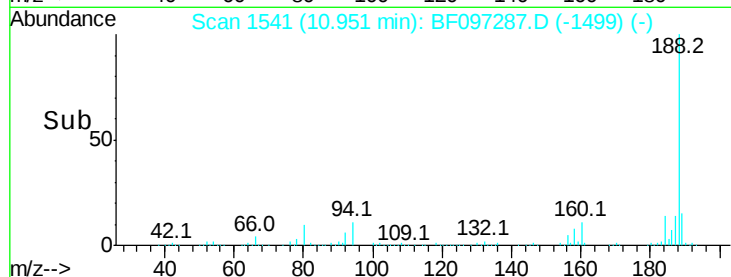
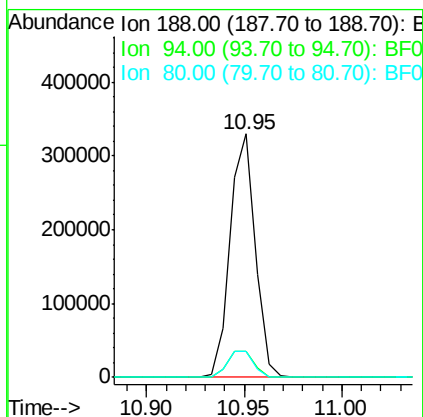
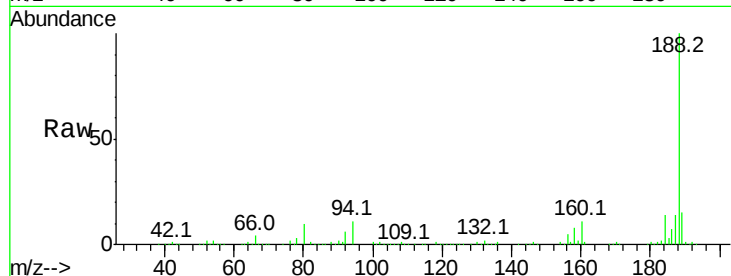
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.95 min Scan# 1541
Delta R.T. -0.05 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Instrument :
BNA_F
ClientSampleId :
72-12003

Tot Ion	Ratio	Resp	Lower	Upper
188	100	295185		
94	10.7		9.4	14.2
80	10.5		10.2	15.2

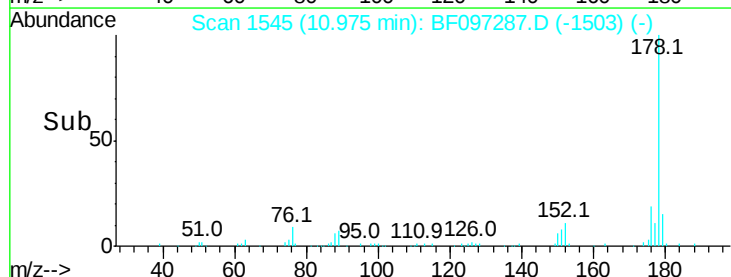
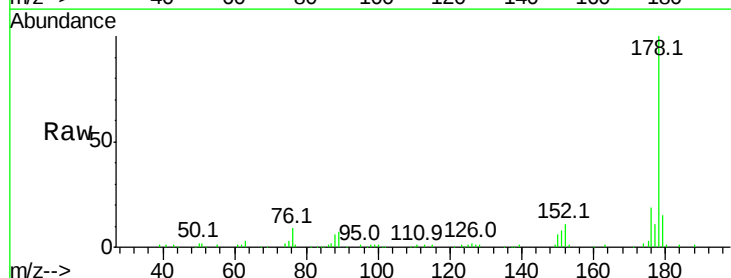
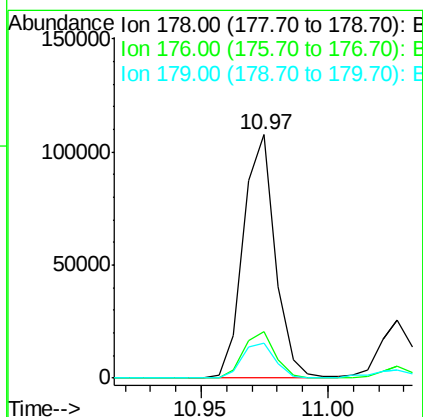
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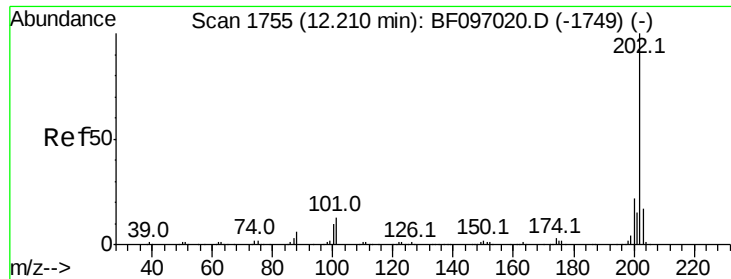
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#70
Phenanthrene
Concen: 5.953 ng
RT: 10.97 min Scan# 1545
Delta R.T. -0.05 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	94149		
176	19.0		16.2	24.4
179	14.6		12.6	19.0





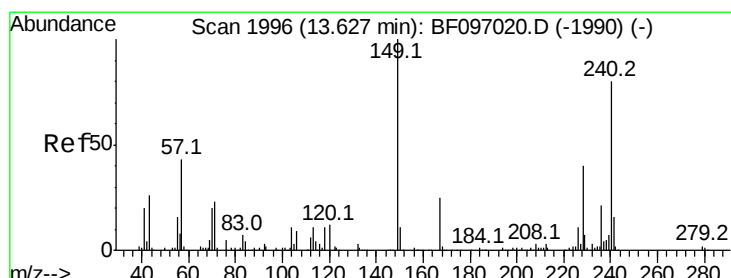
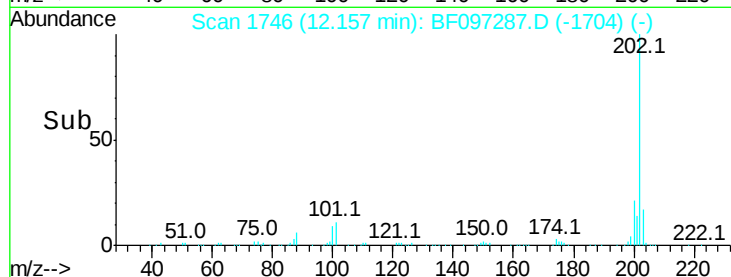
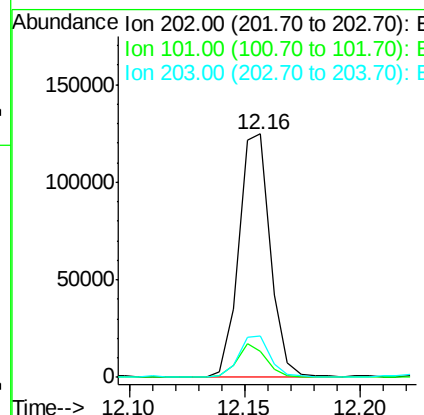
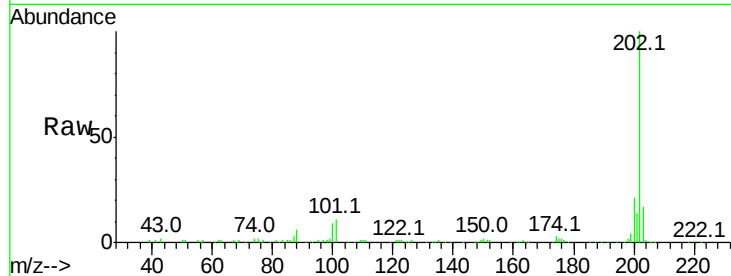
#74
 Fluoranthene
 Concen: 7.671 ng
 RT: 12.16 min Scan# 1746
 Delta R.T. -0.05 min
 Lab File: BF097287.D
 Acq: 2 Aug 2017 21:39

Instrument :
 BNA_F
 ClientSampleId :
 72-12003

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.9	0.0	33.2
203	17.2	0.0	38.1

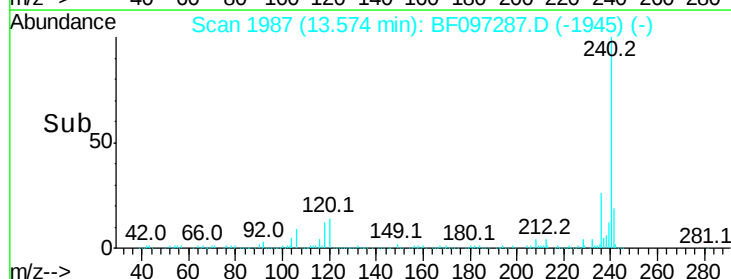
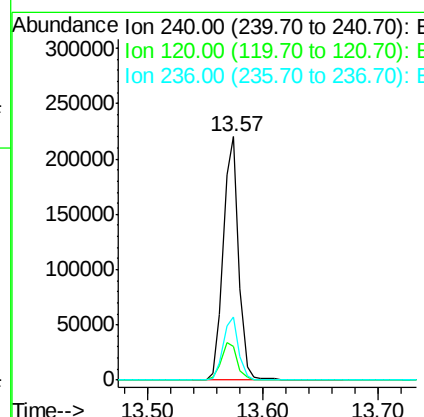
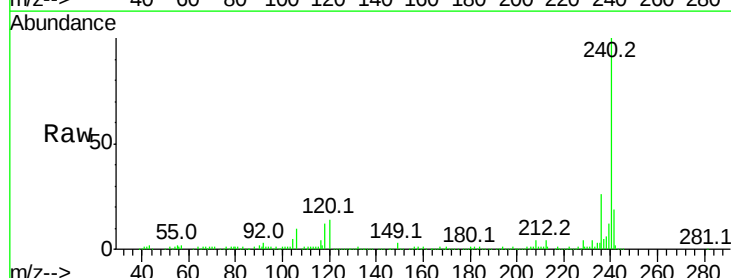
Manual Integrations
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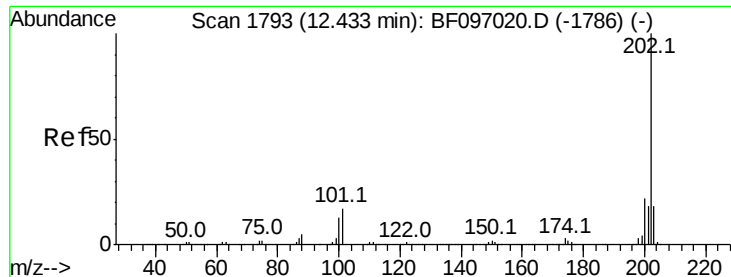
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.57 min Scan# 1987
 Delta R.T. -0.05 min
 Lab File: BF097287.D
 Acq: 2 Aug 2017 21:39

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.9	5.8	8.8#
236	25.7	20.5	30.7





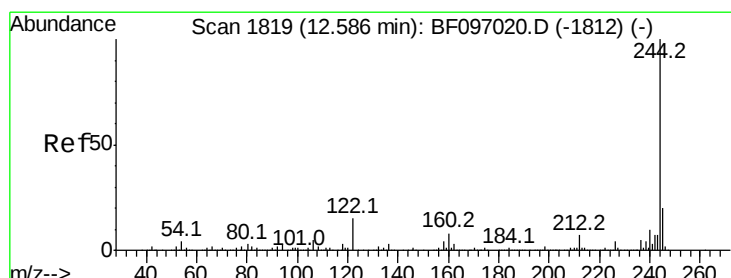
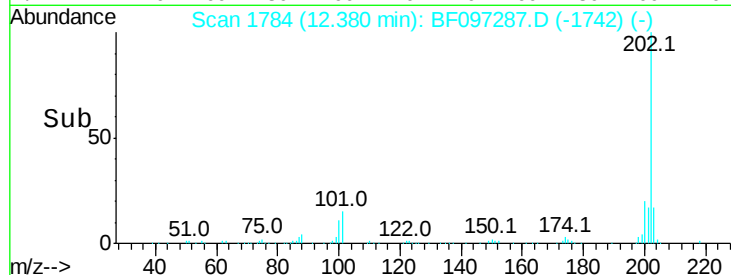
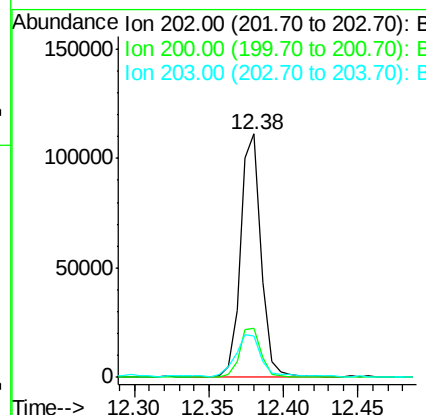
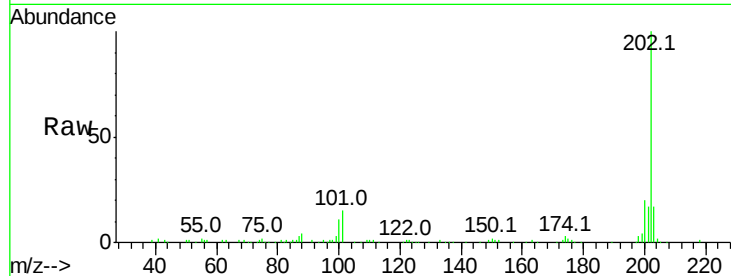
#77
Pvrene
Concen: 6.484 ng
RT: 12.38 min Scan# 1784
Delta R.T. -0.05 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Instrument :
BNA_F
ClientSampleId :
72-12003

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.3	17.6	26.4
203	16.9	14.4	21.6

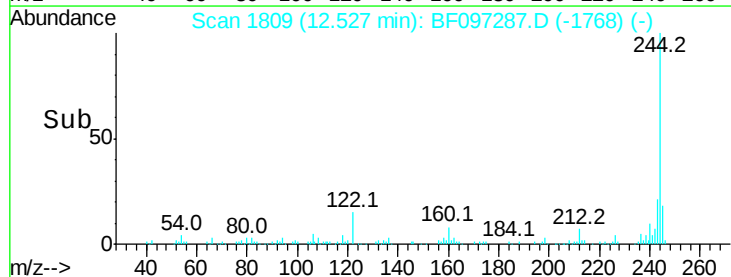
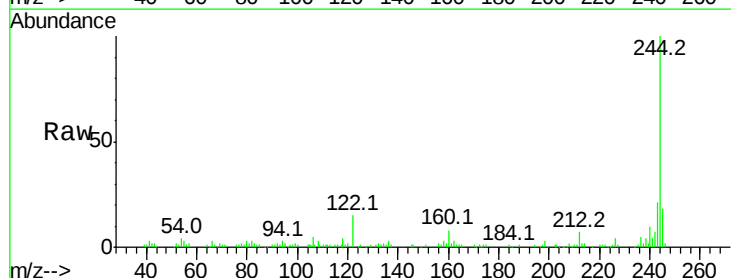
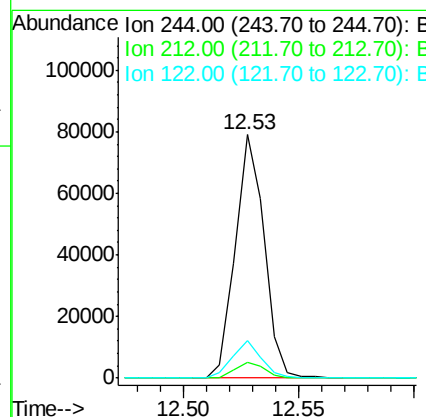
Manual Integrations
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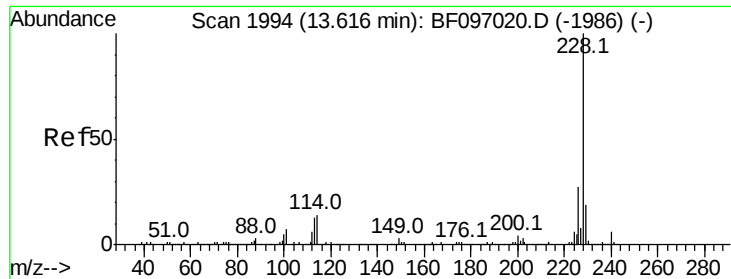
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#78
Terphenyl-d14
Concen: 6.893 ng
RT: 12.53 min Scan# 1809
Delta R.T. -0.06 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	6.0	9.0
122	15.3	10.3	15.5





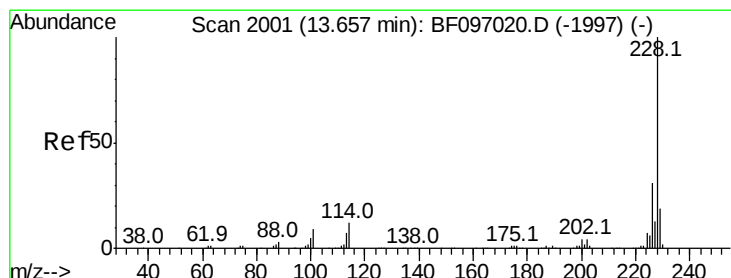
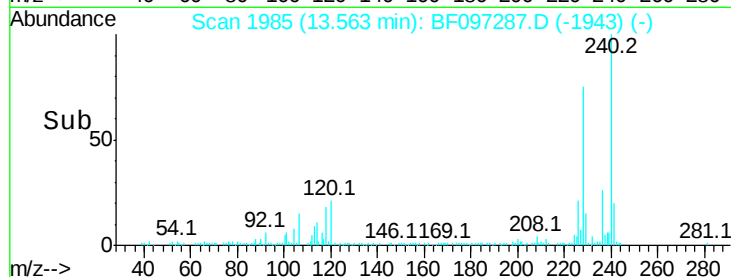
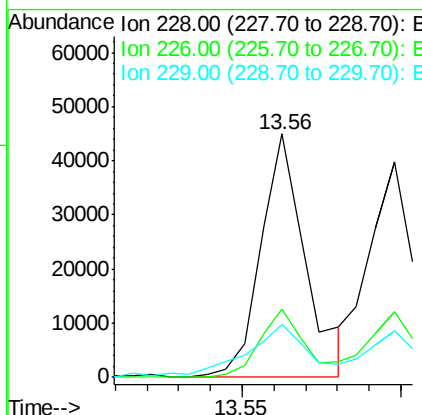
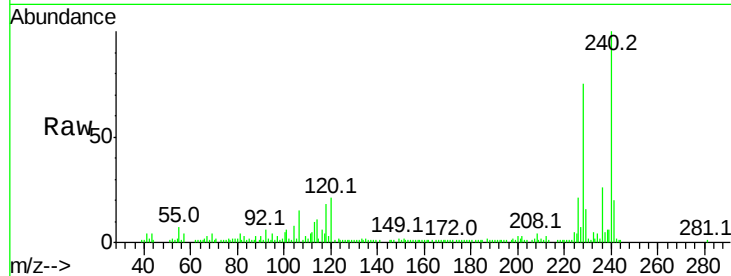
#80
Benzo(a)anthracene
Concen: 3.340 ng
RT: 13.56 min Scan# 1985
Delta R.T. -0.05 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Instrument :
BNA_F
ClientSampleId :
72-12003

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	21.8	16.3	24.5

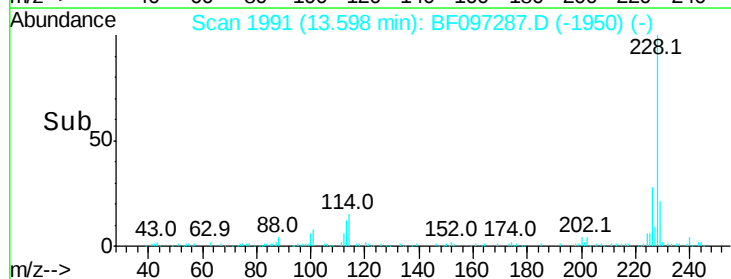
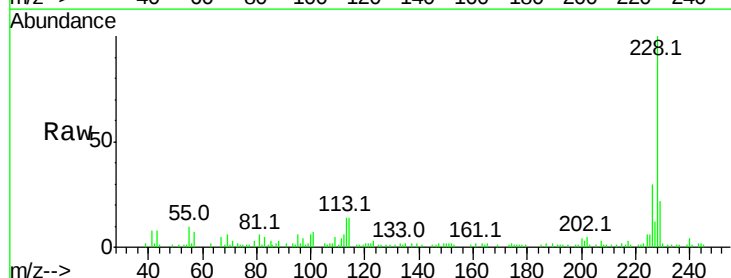
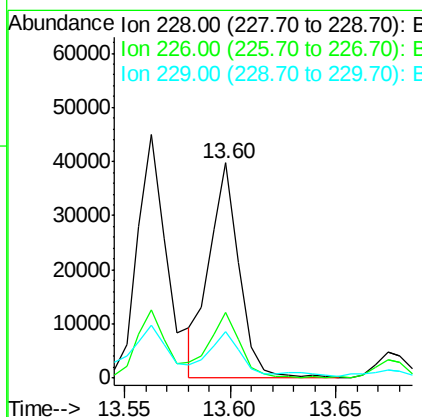
Manual Integrations
APPROVED

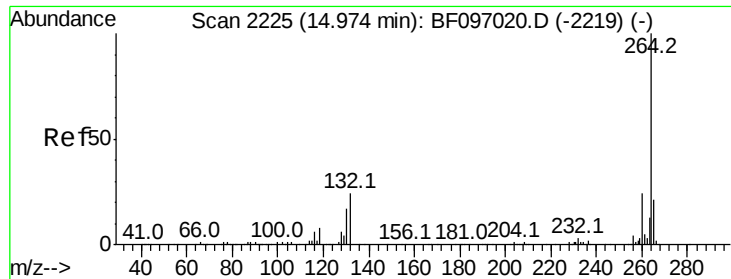
Sohil
8/3/2017 6:08:14 PM



#82
Chrysene
Concen: 3.063 ng
RT: 13.60 min Scan# 1991
Delta R.T. -0.06 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	21.6	15.8	23.6





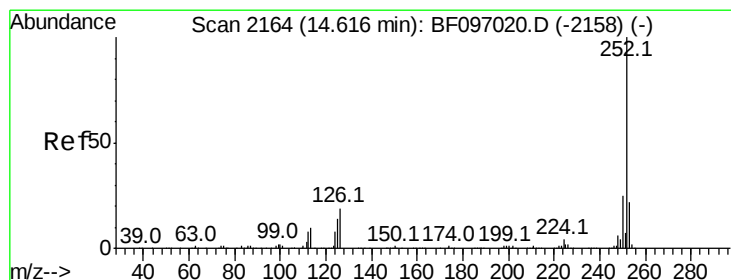
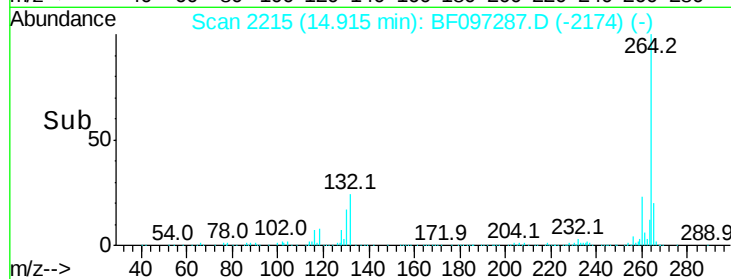
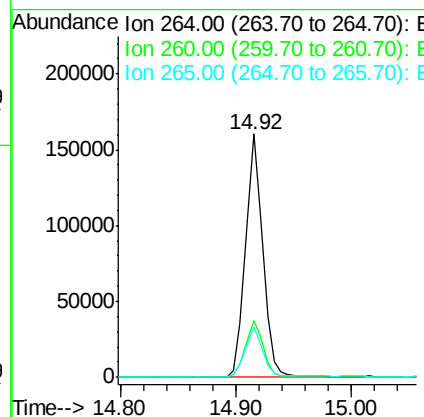
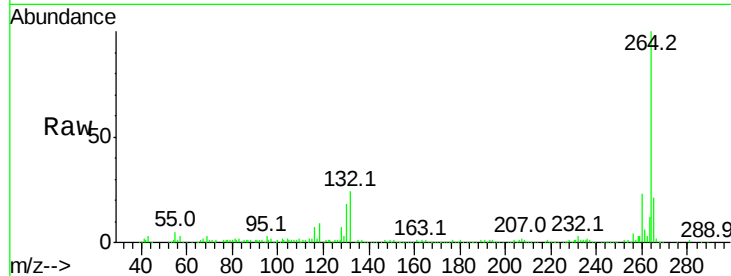
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.06 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Instrument :
BNA_F
ClientSampleId :
72-12003

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	20.7	17.2	25.8

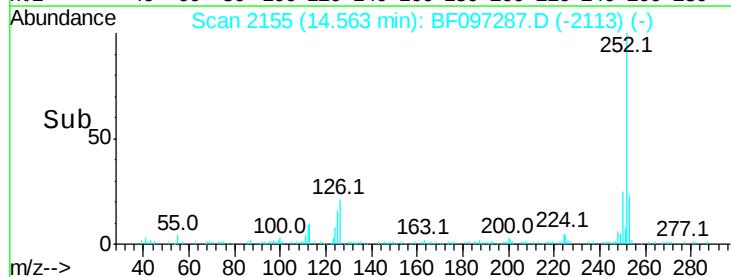
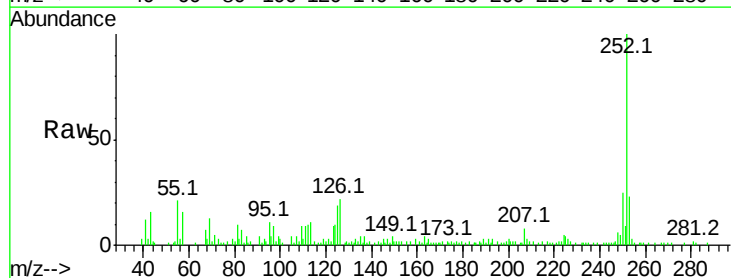
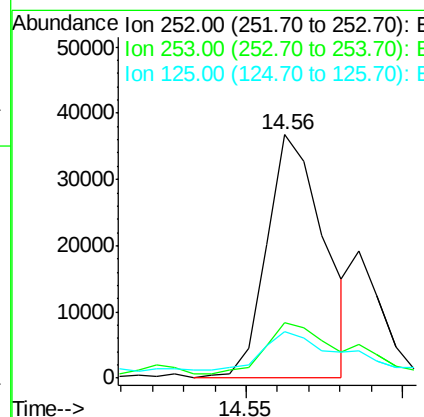
Manual Integrations
APPROVED

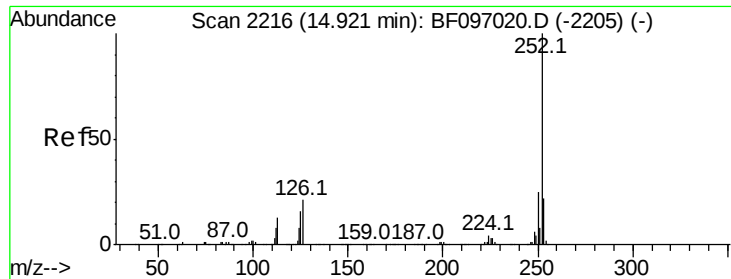
Sohil
8/3/2017 6:08:14 PM



#87
Benzo(b)fluoranthene
Concen: 4.587 ng m
RT: 14.56 min Scan# 2155
Delta R.T. -0.05 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	19.0	9.8	14.8#





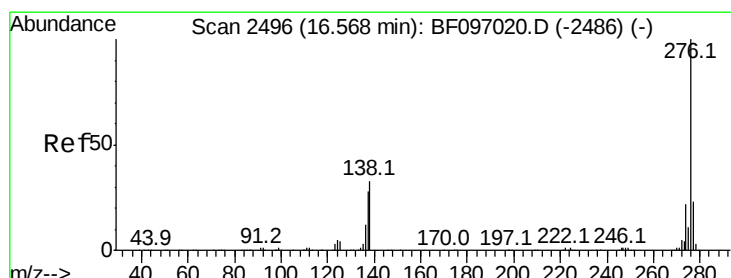
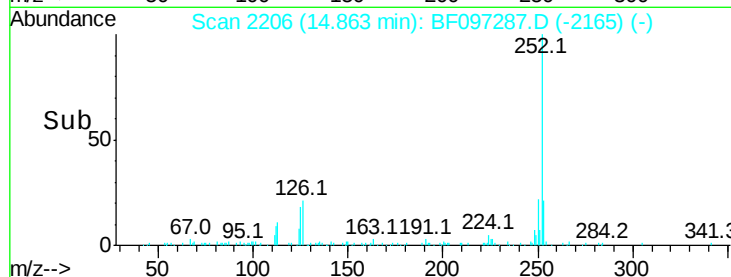
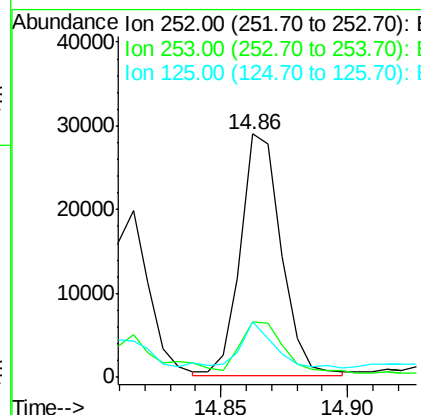
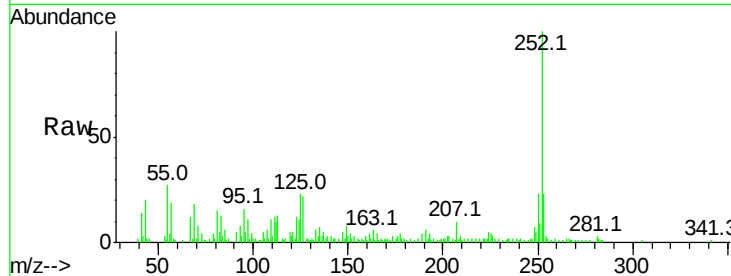
#89
Benzo(a)pyrene
Concen: 3.487 ng
RT: 14.86 min Scan# 2206
Delta R.T. -0.06 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Instrument :
BNA_F
ClientSampleId :
72-12003

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	22.6	11.0	16.4

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:14 PM



#91
Benzo(g,h,i)perylene
Concen: 2.084 ng
RT: 16.49 min Scan# 2482
Delta R.T. -0.08 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	41.4	25.4	38.0

