

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
 Data File : BM022447.D
 Acq On : 30 Aug 2019 18:54
 Operator : HP/JU
 Sample : K4594-01DL 100X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 S704A-N-0.0-0.5-082819DL

Manual Integrations
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 8/31/2019 2:43:58 PM

Quant Time: Aug 30 19:42:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 16:51:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	16619	20.00	ng	-0.01
21) Naphthalene-d8	10.29	136	58572	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	36623	20.00	ng	0.00
64) Phenanthrene-d10	16.94	188	87216m	20.00	ng	0.00
76) Chrysene-d12	21.16	240	129723	20.00	ng	-0.01
87) Perylene-d12	23.35	264	165617	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	505	0.53	ng	0.02
7) Phenol-d6	6.77	99	116	0.09	ng	0.05
23) Nitrobenzene-d5	8.73	82	114	0.09	ng	0.03
42) 2,4,6-Tribromophenol	15.72	330	257	0.34	ng	0.02
45) 2-Fluorobiphenyl	12.80	172	1086	0.34	ng	0.01
79) Terphenyl-d14	19.59	244	27565	2.80	ng	-0.01
Target Compounds						
52) Acenaphthene	14.25	154	5267	2.449	ng	Qvalue 89
58) Fluorene	15.25	166	7272	2.247	ng	89
71) Phenanthrene	16.99	178	134229	26.403	ng	98
72) Anthracene	17.09	178	34154	6.828	ng	97
73) Carbazole	17.38	167	15145	3.663	ng	98
75) Fluoranthene	19.02	202	318482	47.042	ng	100
78) Pyrene	19.39	202	254321	28.767	ng	99
81) Benzo(a)anthracene	21.15	228	155551	16.706	ng	99
83) Chrysene	21.20	228	146989m	16.586	ng	
86) Indeno(1,2,3-cd)pyrene	25.53	276	97883	10.980	ng	99
88) Benzo(b)fluoranthene	22.70	252	200842	17.456	ng	# 99
89) Benzo(k)fluoranthene	22.74	252	66440m	5.821	ng	
90) Benzo(a)pyrene	23.26	252	139613	13.671	ng	# 96
91) Dibenzo(a,h)anthracene	25.53	278	24739	2.429	ng	# 86
92) Benzo(a,h,i)perylene	26.20	276	100309	11.302	ng	97

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

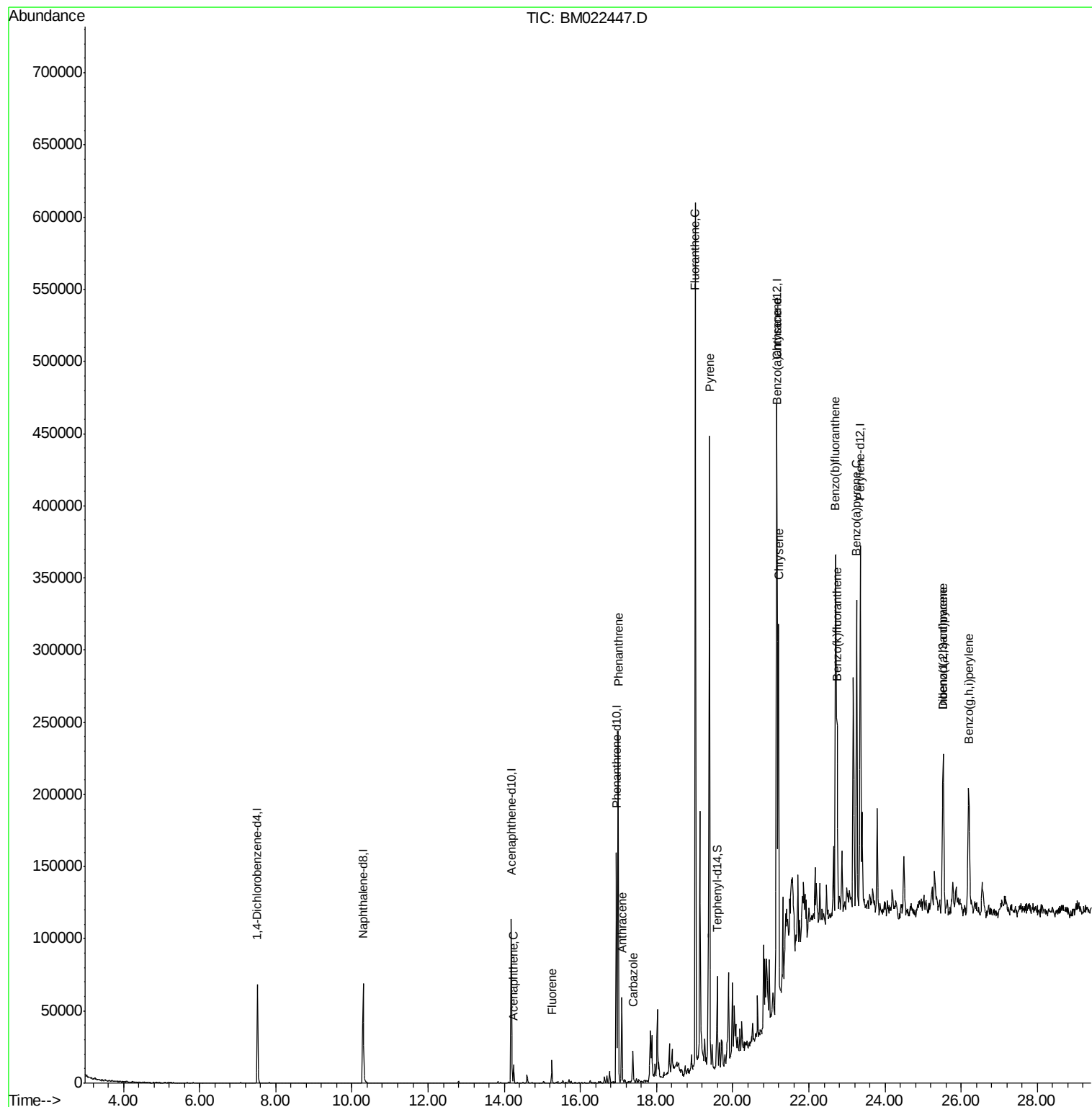
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
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ALS Vial : 5 Sample Multiplier: 1

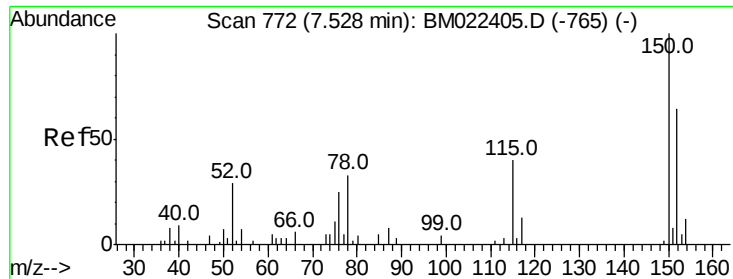
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Quant Time: Aug 30 19:42:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

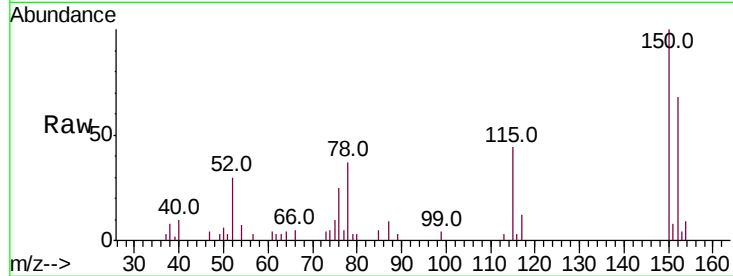
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 770
Delta R.T. -0.01 min
Lab File: BM022447.D
Acq: 30 Aug 2019 18:54

Instrument :
BNA_M
ClientSampleId :
S704A-N-0.0-0.5-082819DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.7	125.4	188.0
115	65.2	50.3	75.5

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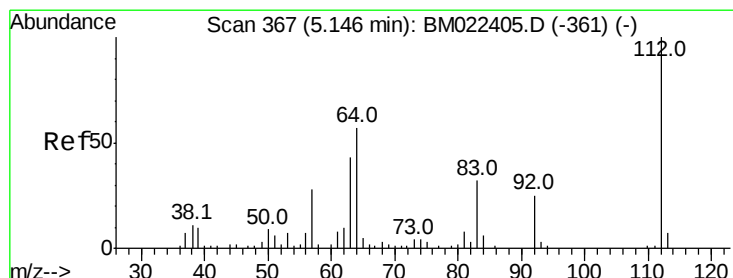
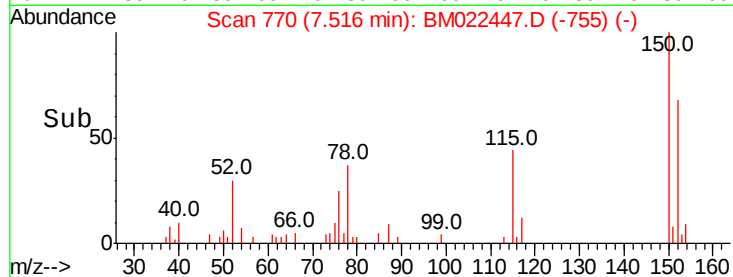
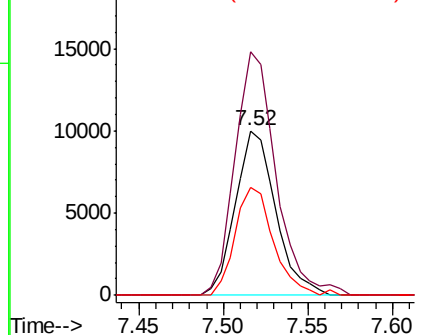


Abundance

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: 0.533 ng
RT: 5.16 min Scan# 370
Delta R.T. 0.02 min
Lab File: BM022447.D
Acq: 30 Aug 2019 18:54

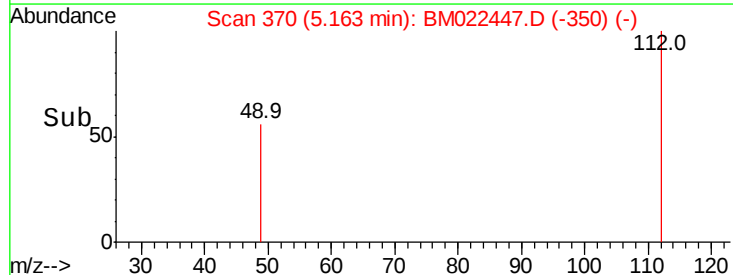
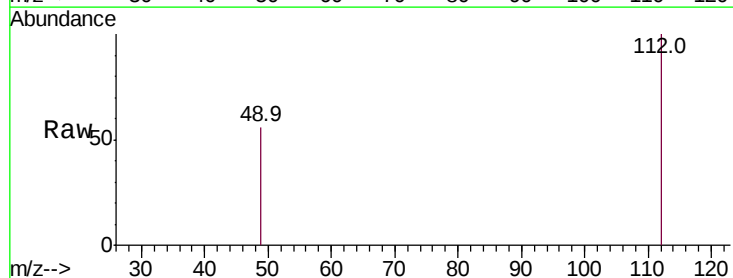
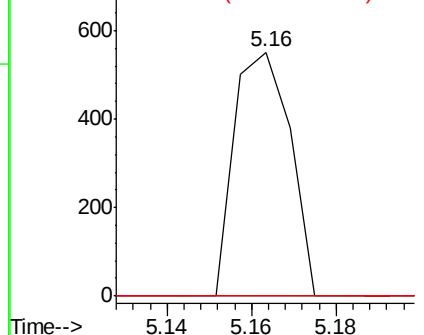
Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	45.4	68.2#
63	0.0	34.5	51.7#

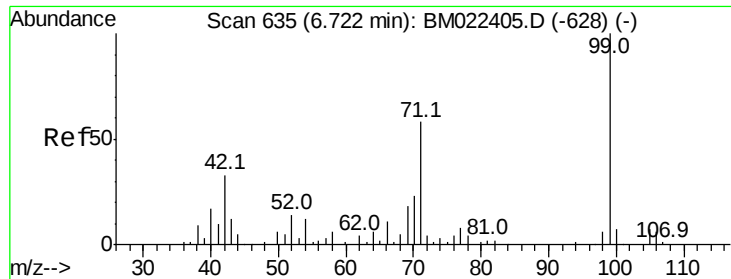
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BMC

Ion 63.00 (62.70 to 63.70): BMC





#7

Phenol-d6

Concen: 0.092 ng

RT: 6.77 min Scan# 643

Delta R.T. 0.05 min

Lab File: BM022447.D

Acq: 30 Aug 2019 18:54

Instrument :

BNA_M

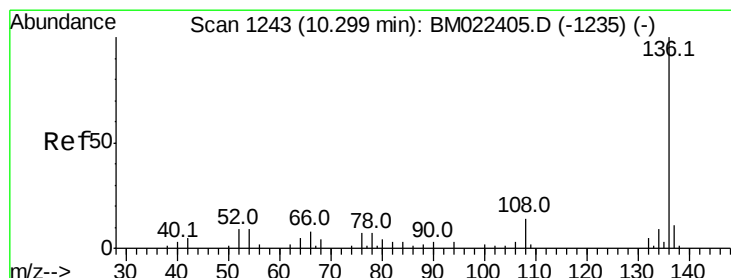
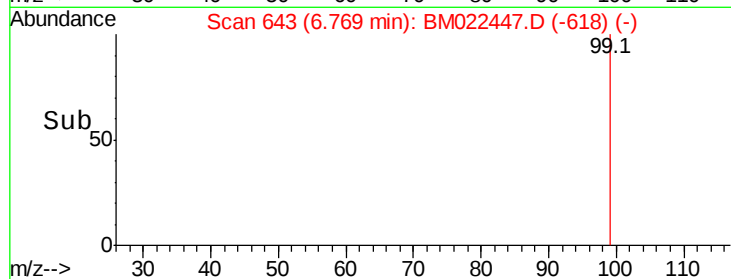
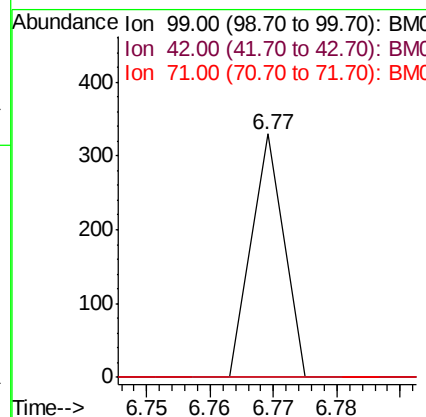
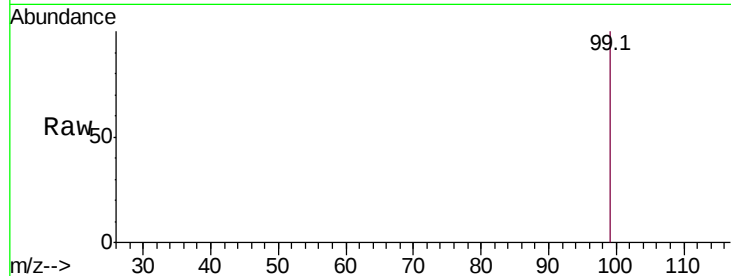
ClientSampleId :

S704A-N-0.0-0.5-082819DL

Tot Ion:	99	Resp:	116
Ion Ratio	Lower	Upper	
99	100		
42	0.0	26.3	39.5#
71	0.0	46.6	69.8#

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#21

Naphthalene-d8

Concen: 20.000 ng

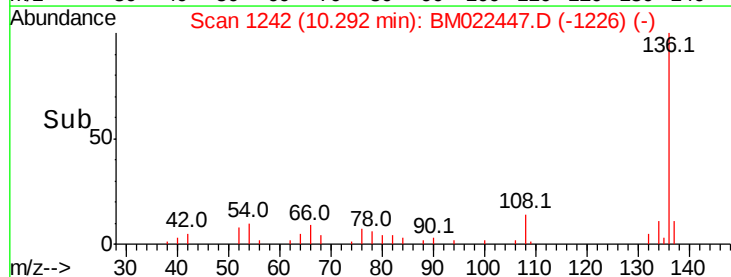
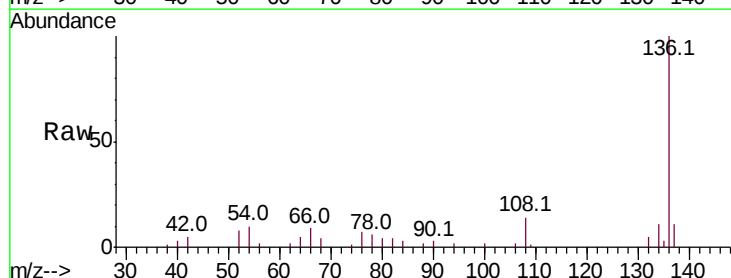
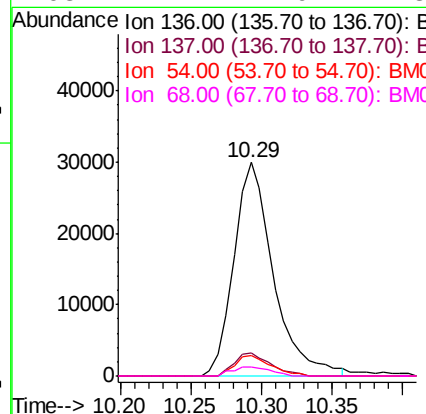
RT: 10.29 min Scan# 1242

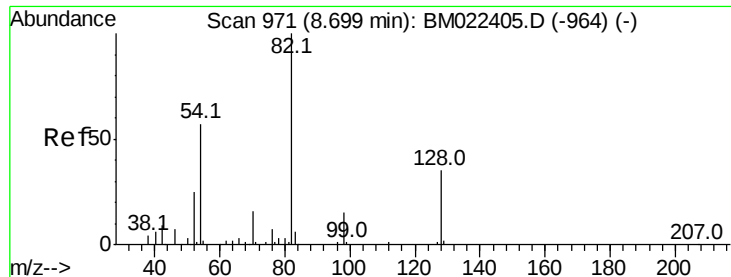
Delta R.T. -0.01 min

Lab File: BM022447.D

Acq: 30 Aug 2019 18:54

Tgt Ion:	136	Resp:	58572
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	9.8	7.0	10.6
68	4.2	2.9	4.3





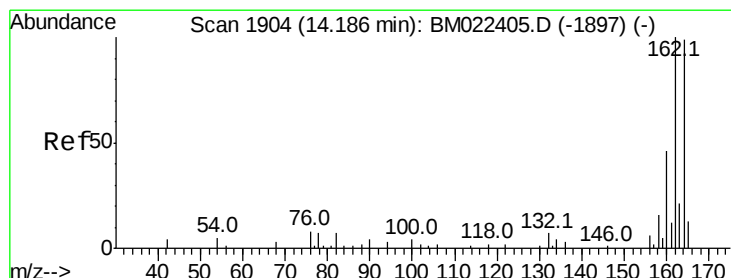
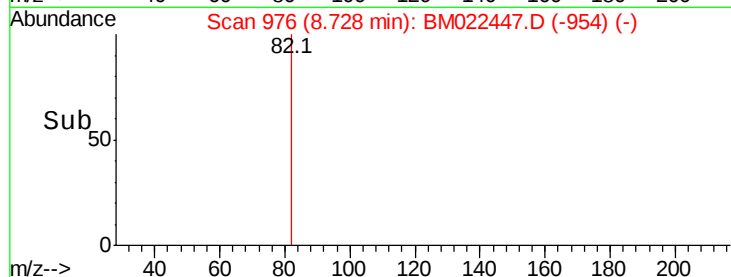
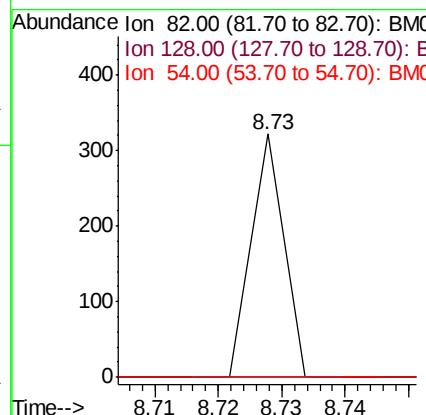
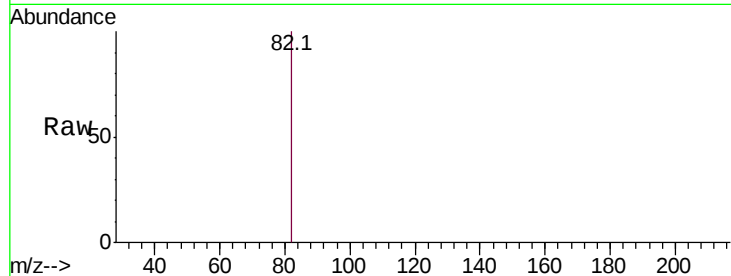
#23
Nitrobenzene-d5
Concen: 0.085 ng
RT: 8.73 min Scan# 976
Delta R.T. 0.03 min
Lab File: BM022447.D
Acq: 30 Aug 2019 18:54

Instrument :
BNA_M
ClientSampleId :
S704A-N-0.0-0.5-082819DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	27.9	41.9#
54	0.0	45.2	67.8#

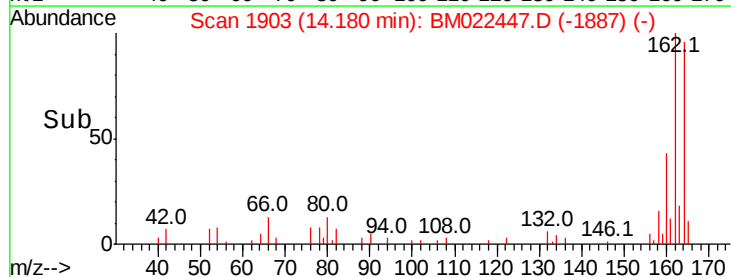
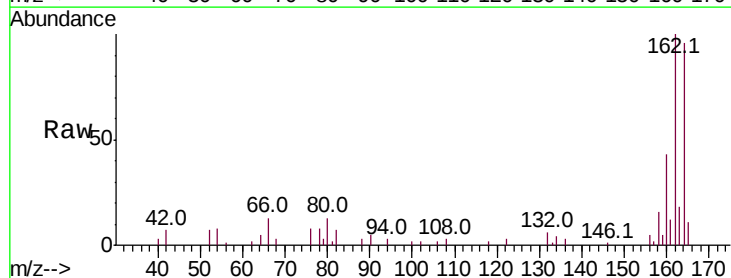
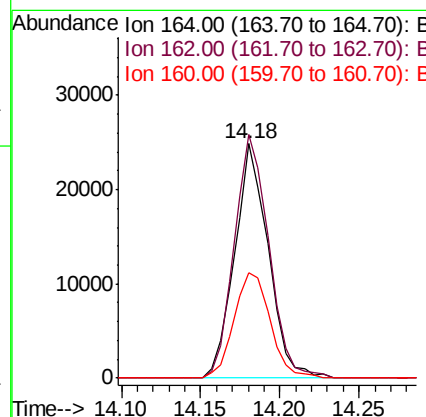
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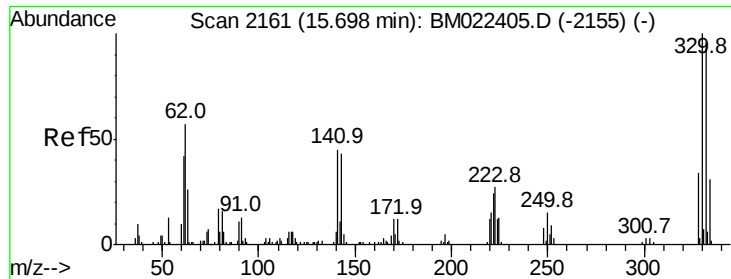
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.18 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BM022447.D
Acq: 30 Aug 2019 18:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	80.6	121.0
160	45.0	37.3	55.9





#42

2,4,6-Tribromophenol

Concen: 0.343 ng

RT: 15.72 min Scan# 2164

Delta R.T. 0.02 min

Lab File: BM022447.D

Acq: 30 Aug 2019 18:54

Instrument :

BNA_M

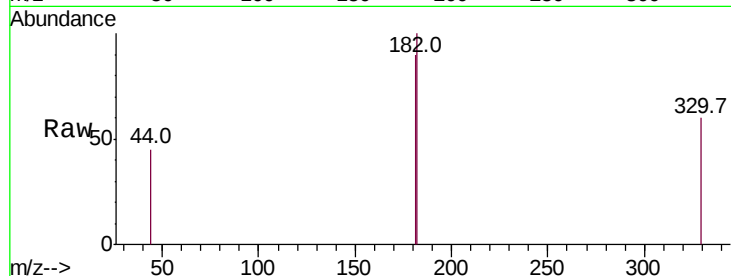
ClientSampleId :

S704A-N-0.0-0.5-082819DL

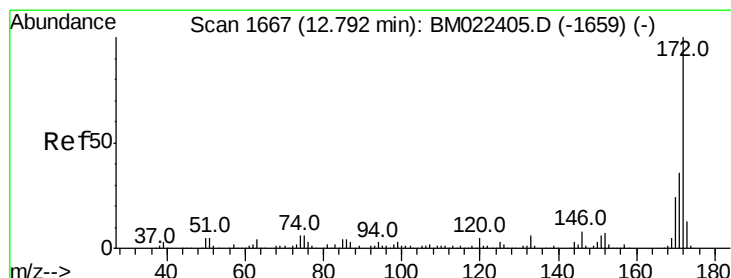
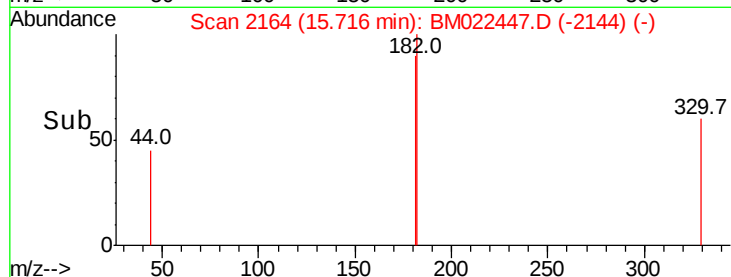
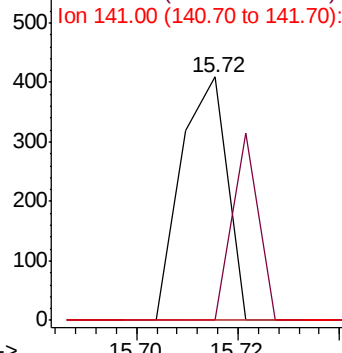
Tot Ion	Ratio	Lower	Upper
330	100		
332	43.2	77.8	116.8#
141	0.0	35.6	53.4#

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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



#45

2-Fluorobiphenyl

Concen: 0.336 ng

RT: 12.80 min Scan# 1669

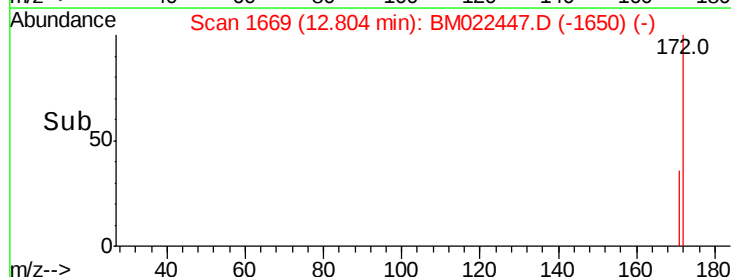
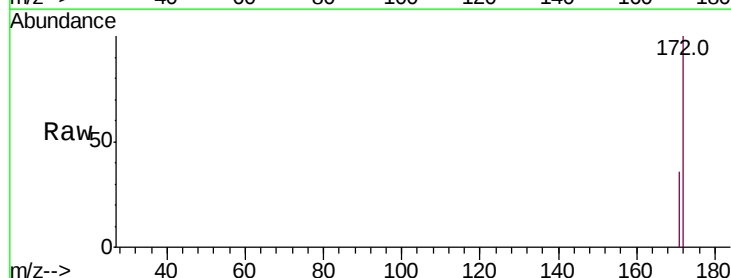
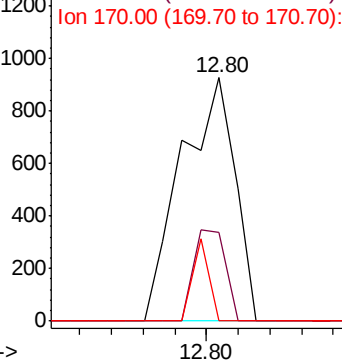
Delta R.T. 0.01 min

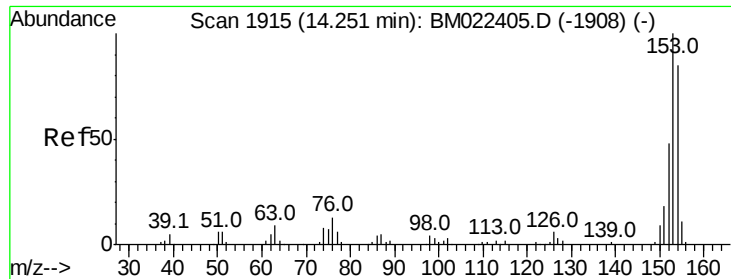
Lab File: BM022447.D

Acq: 30 Aug 2019 18:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.5	42.7
170	0.0	18.9	28.3#

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





#52

Acenaphthene

Concen: 2.449 ng

RT: 14.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: BM022447.D

Acq: 30 Aug 2019 18:54

Instrument :

BNA_M

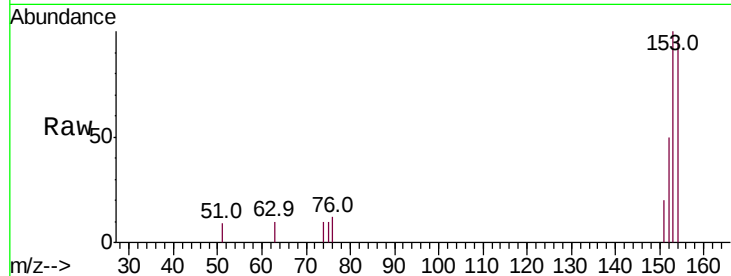
ClientSampleID :

S704A-N-0.0-0.5-082819DL

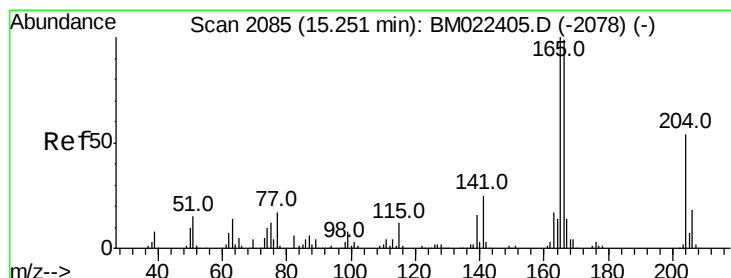
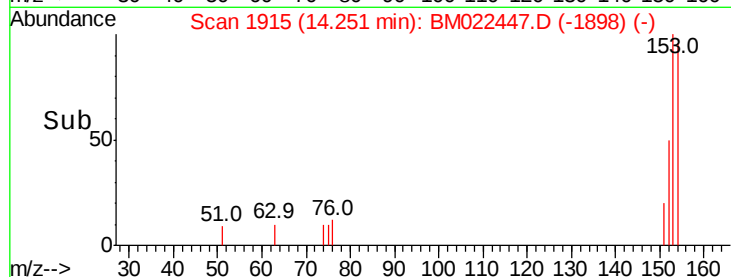
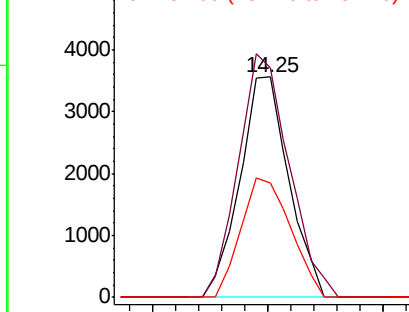
Tot Ion:	154	Resp:	5267
Ion	Ratio	Lower	Upper
154	100		
153	104.1	94.3	141.5
152	52.0	45.4	68.2

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 2.247 ng

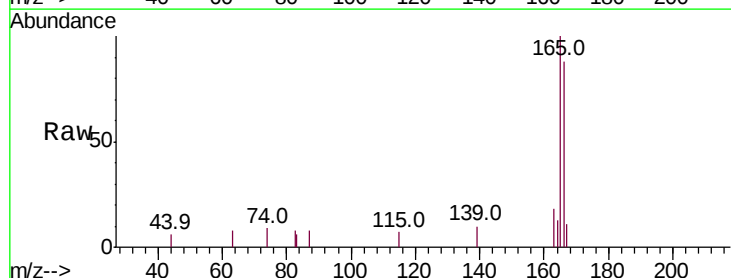
RT: 15.25 min Scan# 2085

Delta R.T. -0.00 min

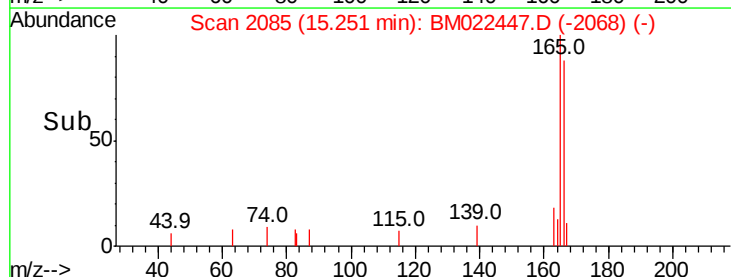
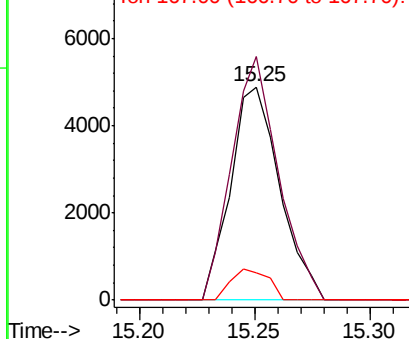
Lab File: BM022447.D

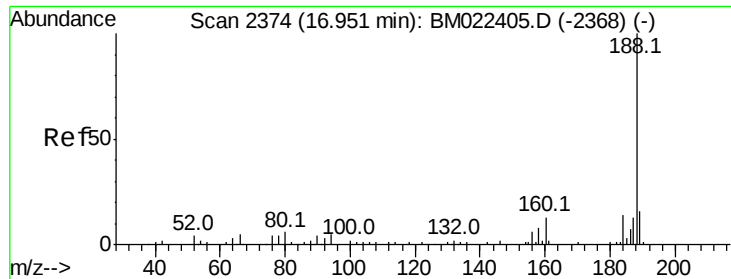
Acq: 30 Aug 2019 18:54

Tgt Ion:	166	Resp:	7272
Ion	Ratio	Lower	Upper
166	100		
165	114.3	81.1	121.7
167	13.0	11.1	16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng/mL

RT: 16.94 min Scan# 2373

Delta R.T. -0.01 min

Lab File: BM022447.D

Acq: 30 Aug 2019 18:54

Instrument :

BNA_M

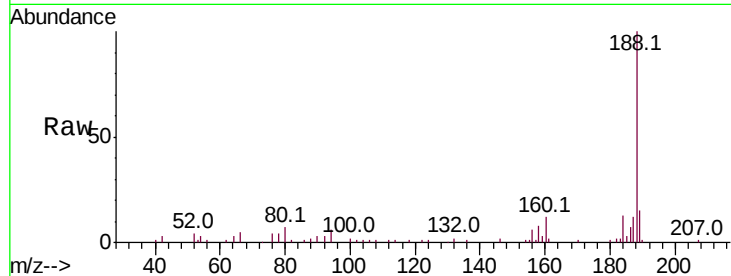
ClientSampleID :

S704A-N-0.0-0.5-082819DL

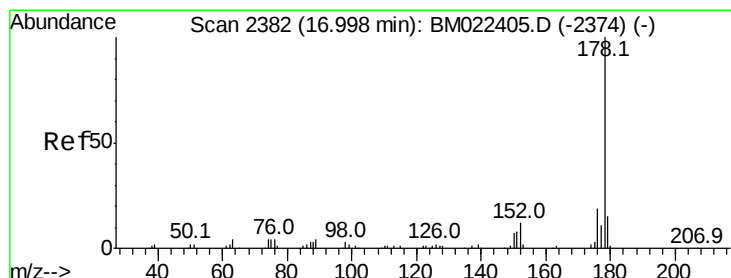
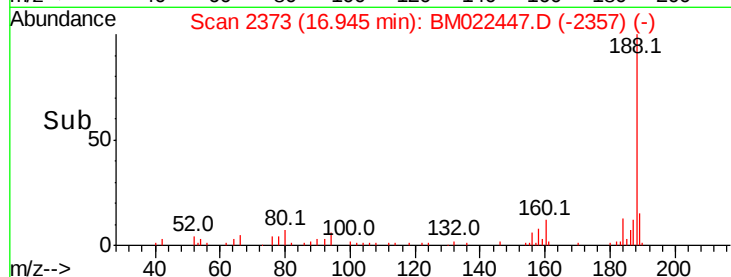
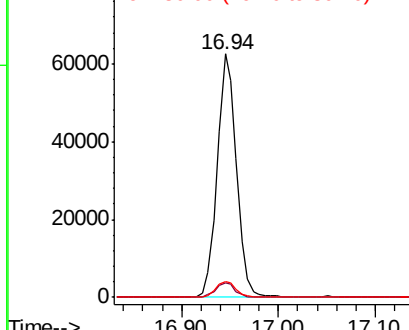
Tot Ion:	188	Resp:	87216
Ion Ratio	Lower	Upper	
188	100		
94	5.9	4.4	6.6
80	6.5	5.0	7.6

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 26.403 ng/mL

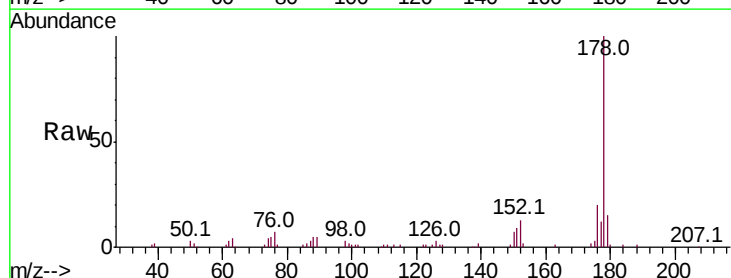
RT: 16.99 min Scan# 2381

Delta R.T. -0.01 min

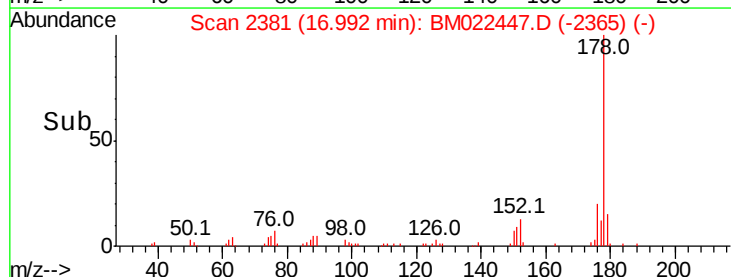
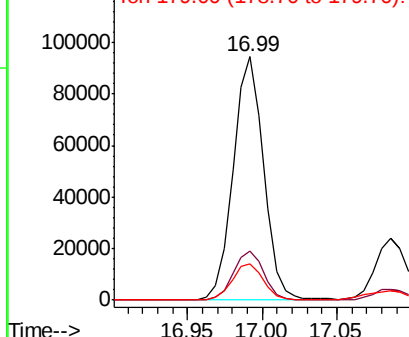
Lab File: BM022447.D

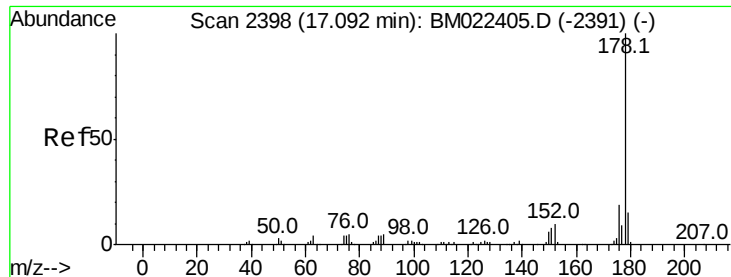
Acq: 30 Aug 2019 18:54

Tgt Ion:	178	Resp:	134229
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.4	23.2
179	15.0	12.3	18.5



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 6.828 ng

RT: 17.09 min Scan# 2397

Delta R.T. -0.01 min

Lab File: BM022447.D

Acq: 30 Aug 2019 18:54

Instrument :

BNA_M

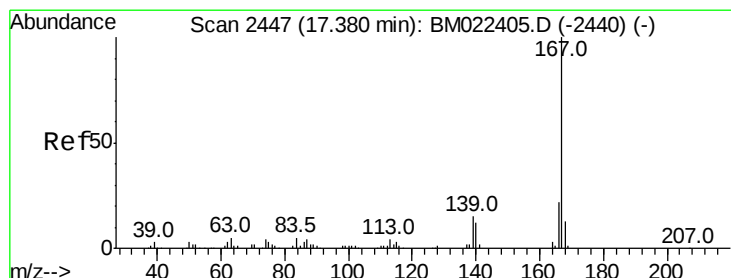
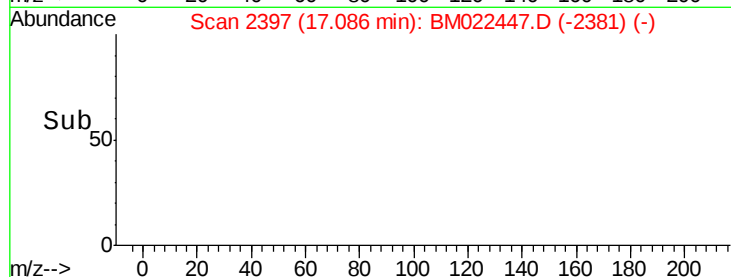
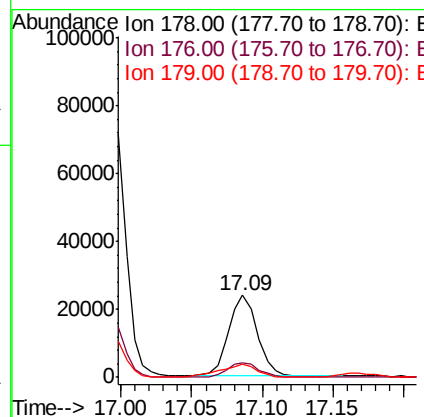
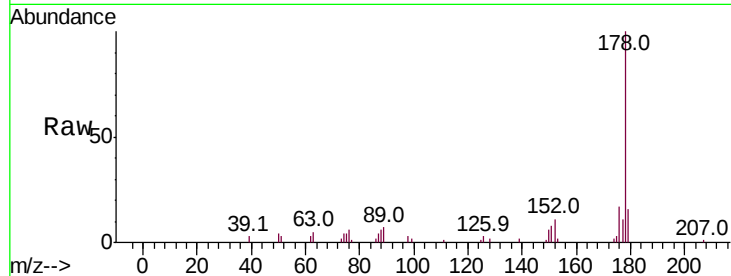
ClientSampleId :

S704A-N-0.0-0.5-082819DL

Tot Ion:178	Resp:	34154
Ion Ratio	Lower	Upper
178	100	
176	17.3	15.0 22.4
179	16.0	11.8 17.6

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#73

Carbazole

Concen: 3.663 ng

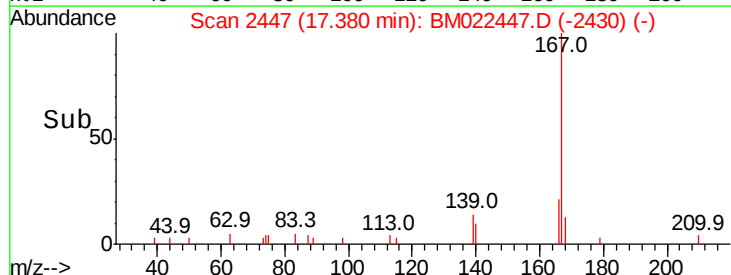
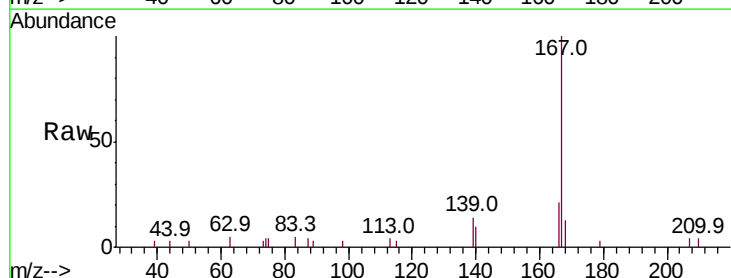
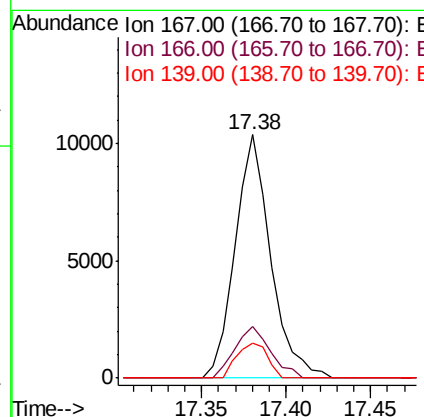
RT: 17.38 min Scan# 2447

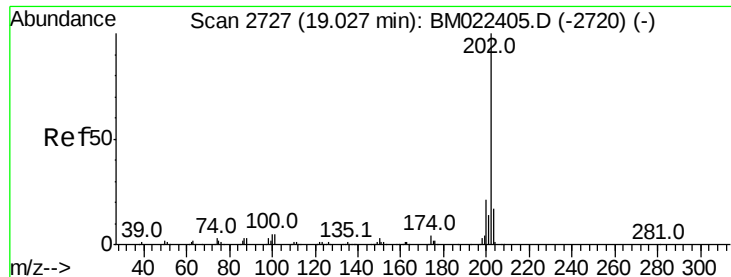
Delta R.T. -0.00 min

Lab File: BM022447.D

Acq: 30 Aug 2019 18:54

Tgt Ion:167	Resp:	15145
Ion Ratio	Lower	Upper
167	100	
166	21.0	17.8 26.6
139	14.5	11.6 17.4





#75

Fluoranthene

Concen: 47.042 ng

RT: 19.02 min Scan# 2726

Delta R.T. -0.01 min

Lab File: BM022447.D

Acq: 30 Aug 2019 18:54

Instrument :

BNA_M

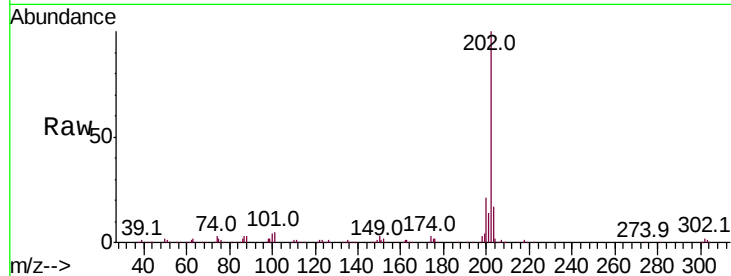
ClientSampleId :

S704A-N-0.0-0.5-082819DL

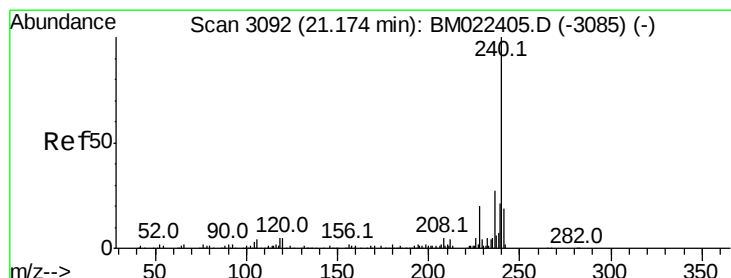
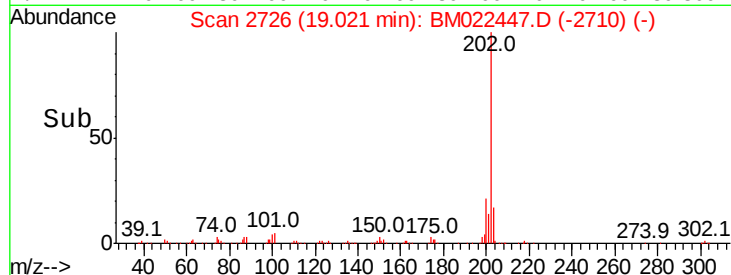
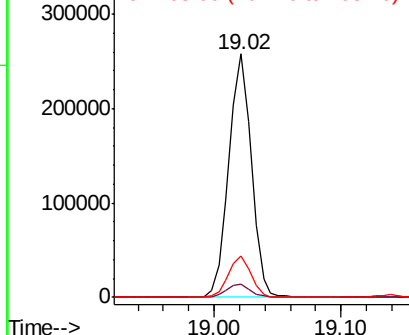
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	5.3	0.0	25.1		
203	17.1	0.0	37.1		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

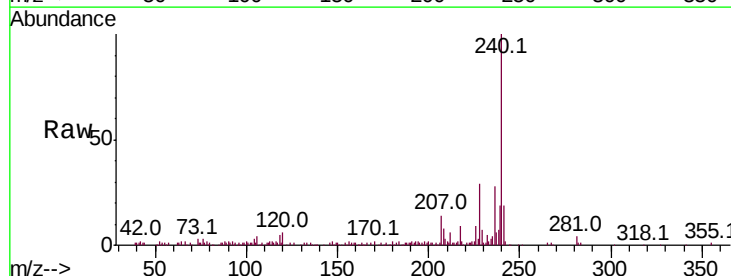
RT: 21.16 min Scan# 3090

Delta R.T. -0.01 min

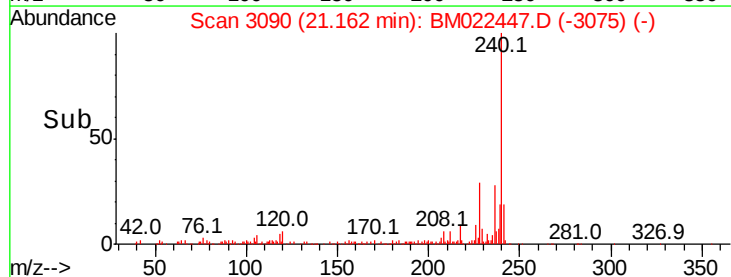
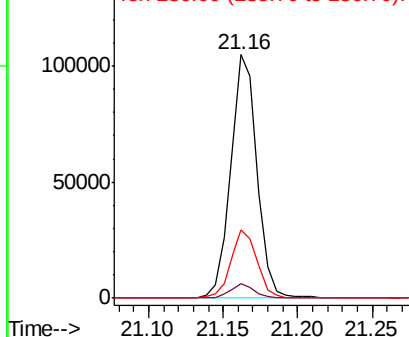
Lab File: BM022447.D

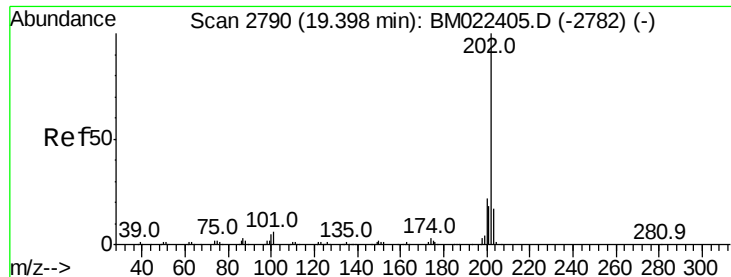
Acq: 30 Aug 2019 18:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	5.8	3.9	5.9		
236	28.2	21.4	32.2		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





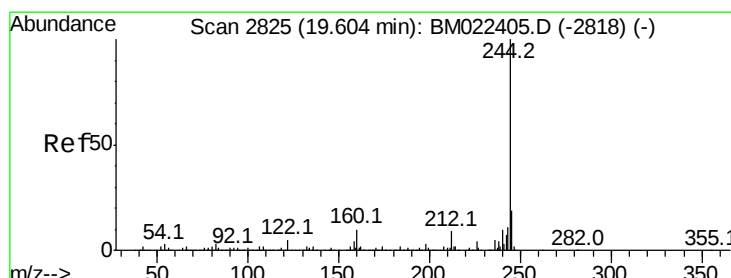
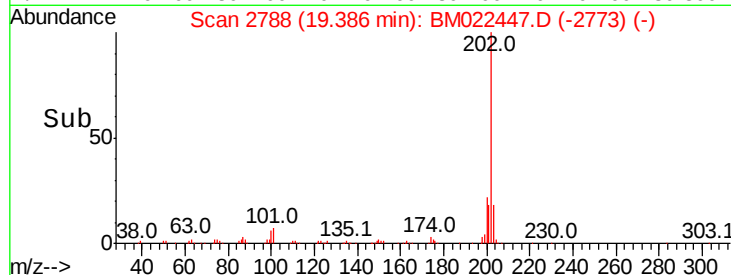
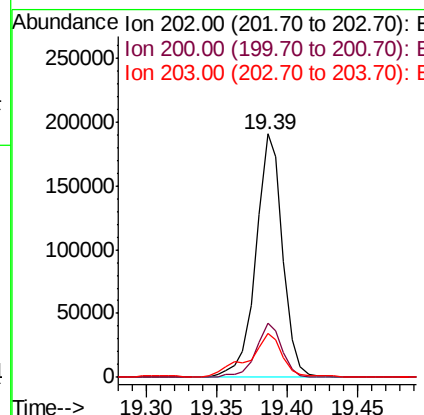
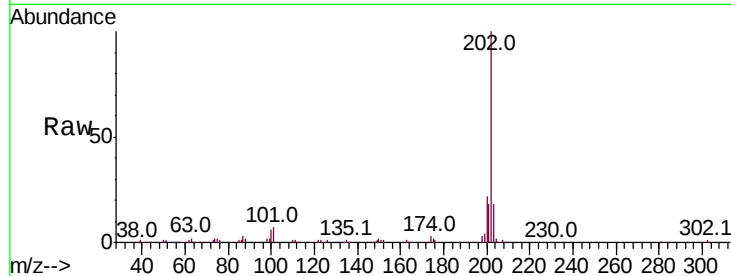
#78
Pvrene
Concen: 28.767 ng
RT: 19.39 min Scan# 2788
Delta R.T. -0.01 min
Lab File: BM022447.D
Acq: 30 Aug 2019 18:54

Instrument :
BNA_M
ClientSampleId :
S704A-N-0.0-0.5-082819DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.3	17.7	26.5
203	18.2	13.8	20.8

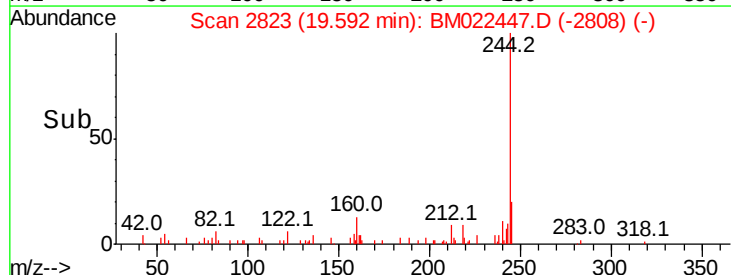
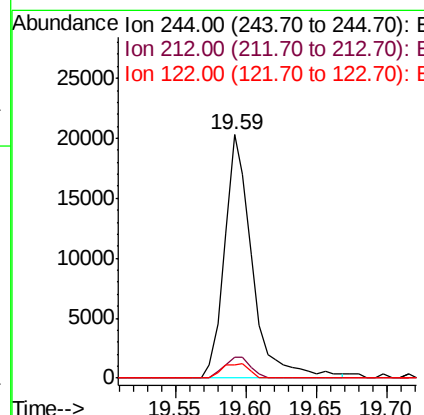
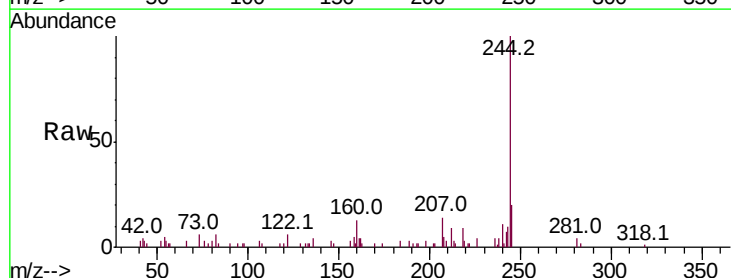
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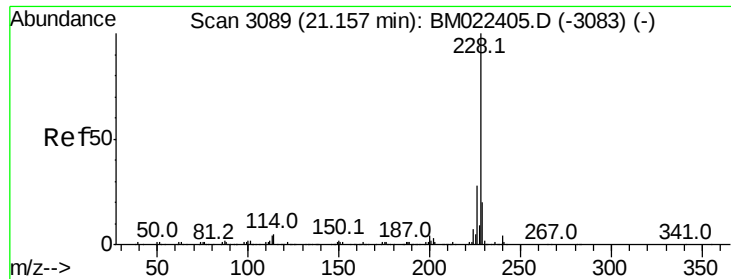
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#79
Terphenyl-d14
Concen: 2.804 ng
RT: 19.59 min Scan# 2823
Delta R.T. -0.01 min
Lab File: BM022447.D
Acq: 30 Aug 2019 18:54

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.7	7.0	10.4
122	5.6	3.9	5.9





#81

Benzo(a)anthracene

Concen: 16.706 ng

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM022447.D

Acq: 30 Aug 2019 18:54

Instrument :

BNA_M

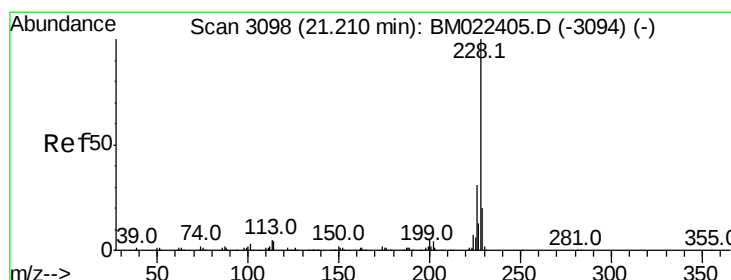
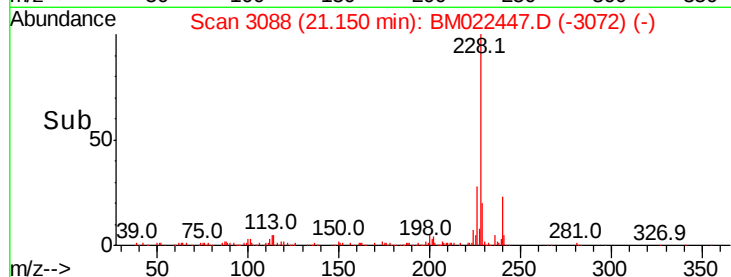
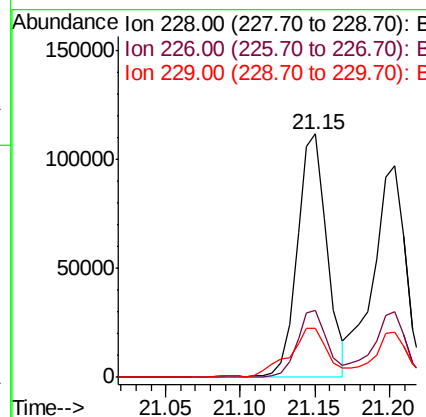
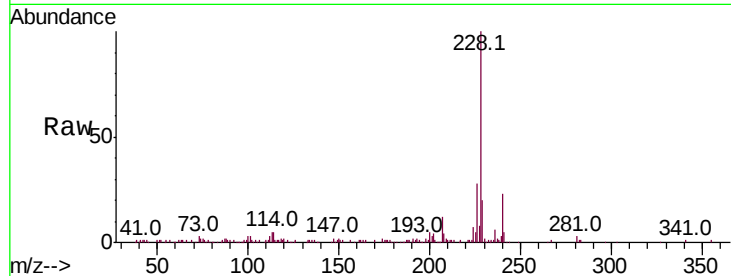
ClientSampleId :

S704A-N-0.0-0.5-082819DL

Tot Ion:228	Resp:	155551
Ion Ratio	Lower	Upper
228 100		
226 27.7	22.6	34.0
229 20.0	15.9	23.9

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#83

Chrysene

Concen: 16.586 ng m

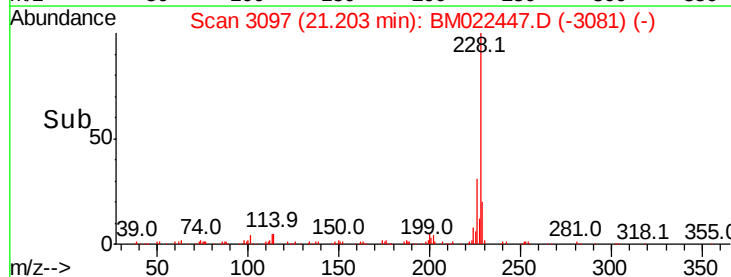
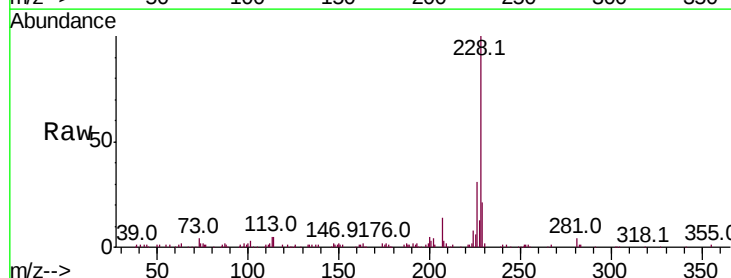
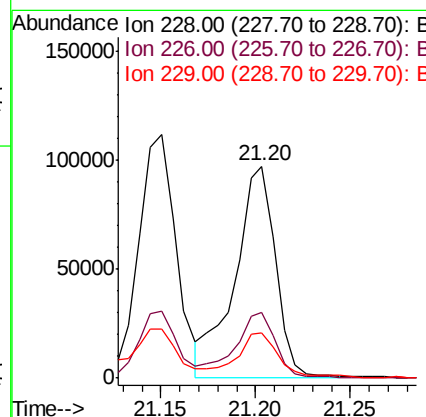
RT: 21.20 min Scan# 3097

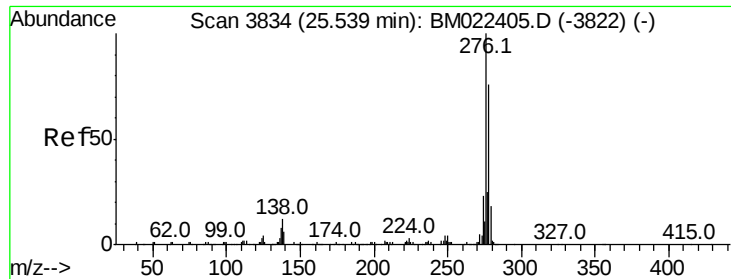
Delta R.T. -0.01 min

Lab File: BM022447.D

Acq: 30 Aug 2019 18:54

Tgt Ion:228	Resp:	146989
Ion Ratio	Lower	Upper
228 100		
226 31.3	24.5	36.7
229 21.3	15.7	23.5





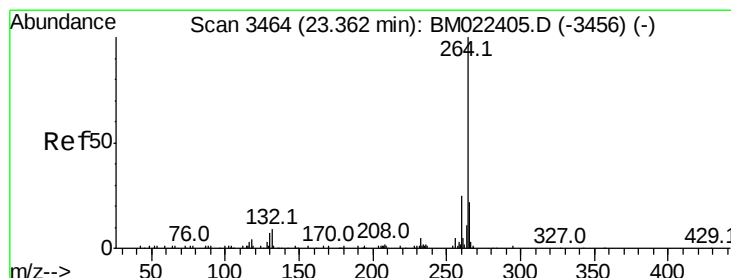
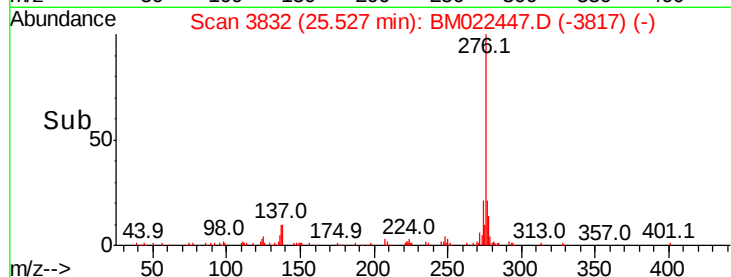
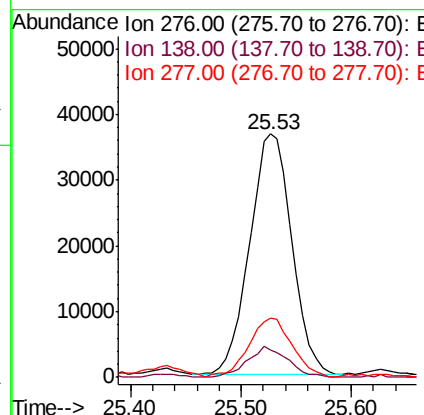
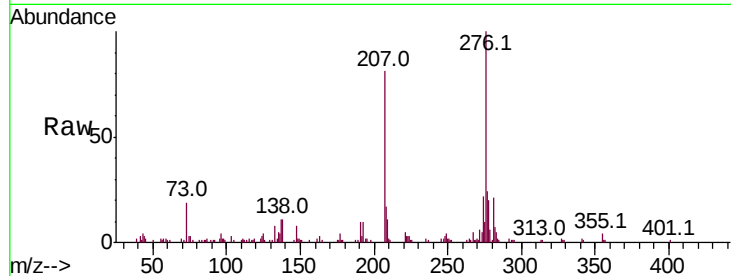
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 10.980 ng
 RT: 25.53 min Scan# 3832
 Delta R.T. -0.01 min
 Lab File: BM022447.D
 Acq: 30 Aug 2019 18:54

Instrument :
 BNA_M
 ClientSampleId :
 S704A-N-0.0-0.5-082819DL

Tot Ion:	276	Resp:	97883
Ion Ratio	Lower	Upper	
276	100		
138	12.4	9.1	13.7
277	25.4	20.0	30.0

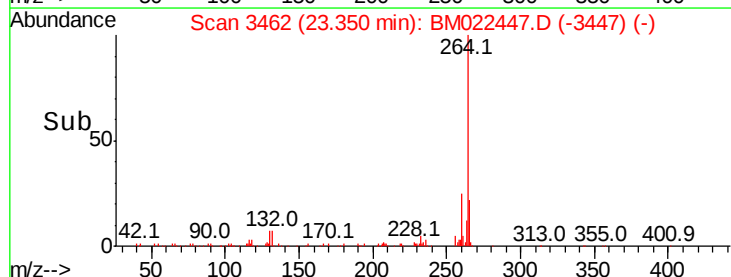
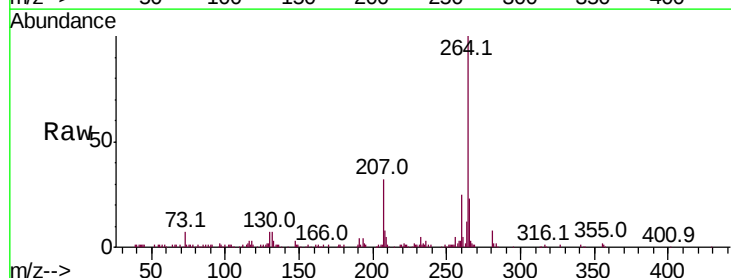
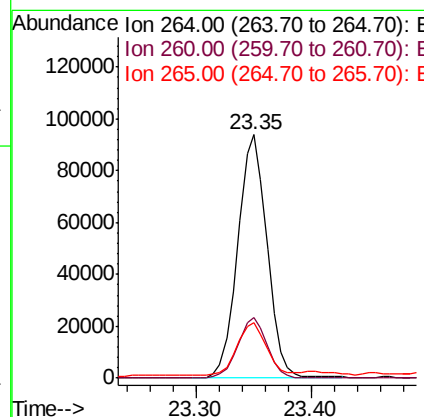
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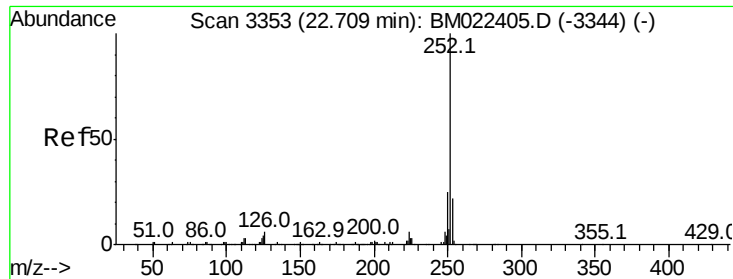
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.35 min Scan# 3462
 Delta R.T. -0.01 min
 Lab File: BM022447.D
 Acq: 30 Aug 2019 18:54

Tgt Ion:	264	Resp:	165617
Ion Ratio	Lower	Upper	
264	100		
260	25.1	20.2	30.2
265	22.6	18.2	27.2





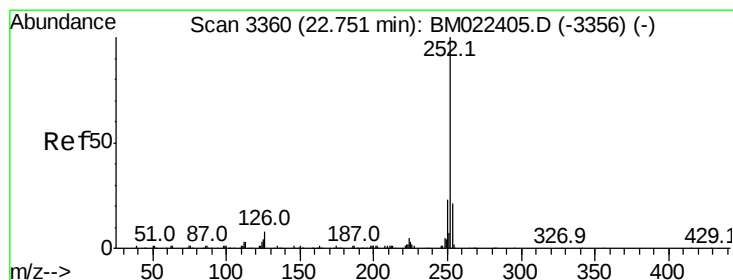
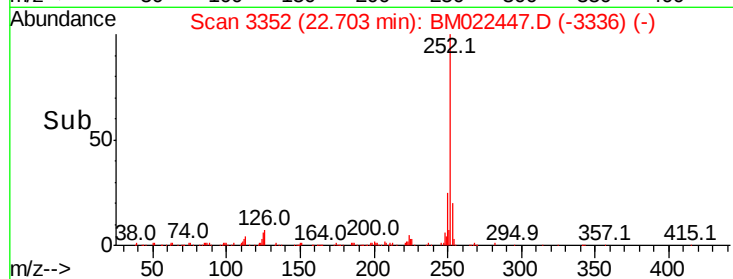
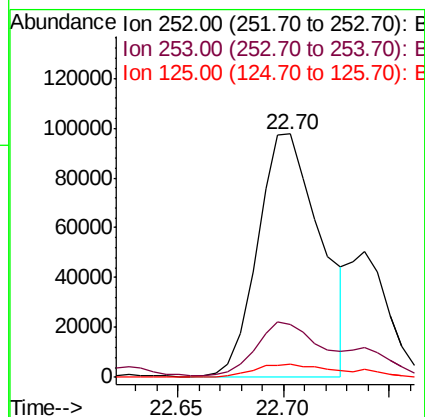
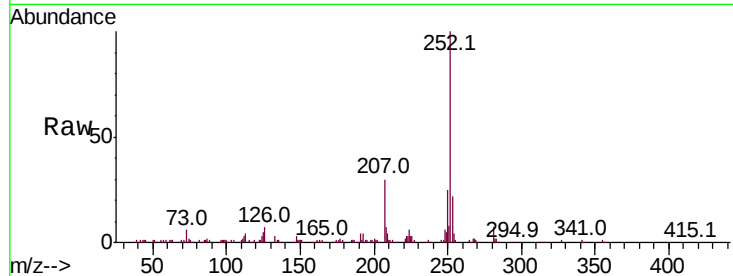
#88
Benzo(b)fluoranthene
Concen: 17.456 ng
RT: 22.70 min Scan# 3352
Delta R.T. -0.01 min
Lab File: BM022447.D
Acq: 30 Aug 2019 18:54

Instrument :
BNA_M
ClientSampleId :
S704A-N-0.0-0.5-082819DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	5.5	3.5	5.3

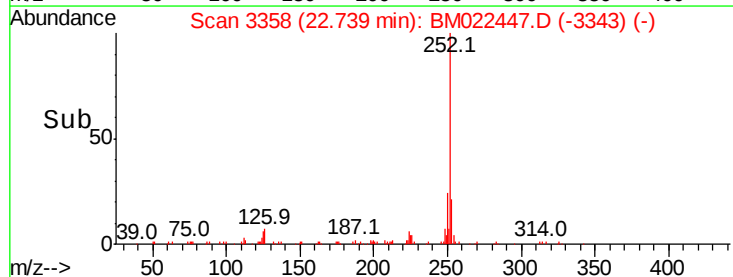
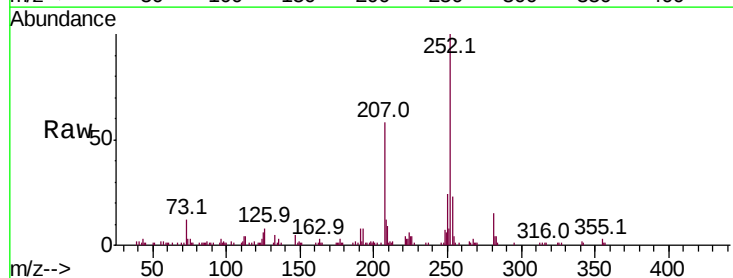
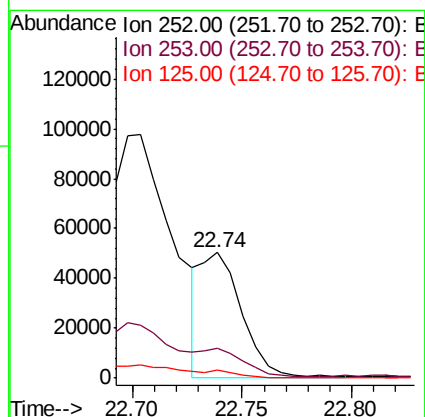
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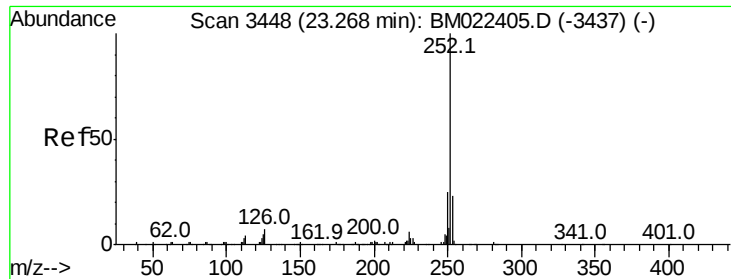
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#89
Benzo(k)fluoranthene
Concen: 5.821 ng m
RT: 22.74 min Scan# 3358
Delta R.T. -0.01 min
Lab File: BM022447.D
Acq: 30 Aug 2019 18:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.4
125	6.0	3.7	5.5





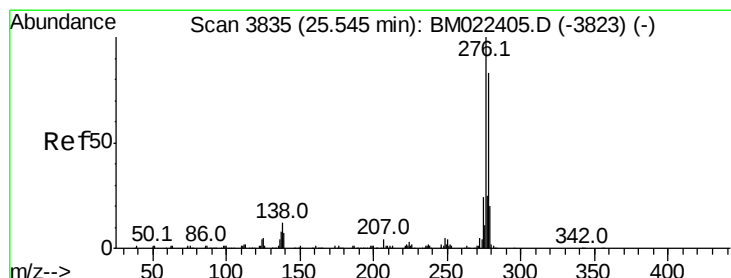
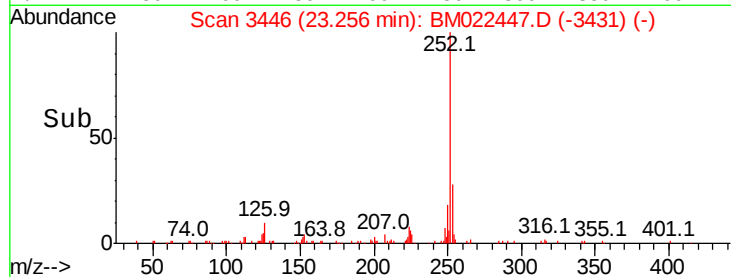
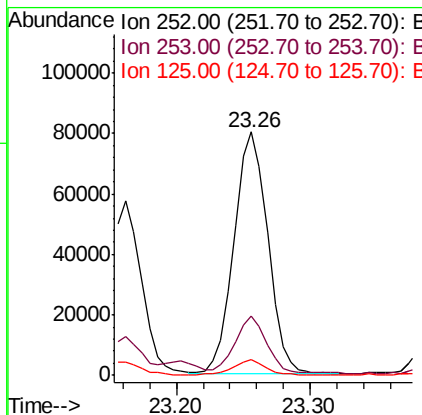
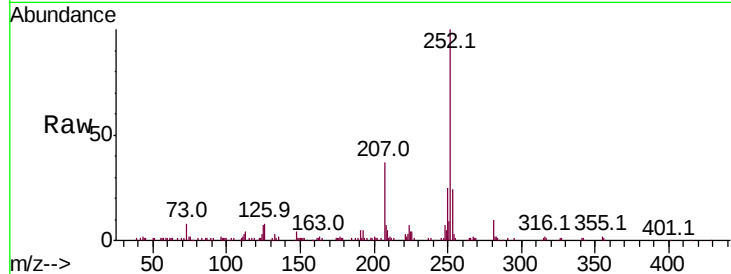
#90
Benzo(a)pyrene
Concen: 13.671 ng
RT: 23.26 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BM022447.D
Acq: 30 Aug 2019 18:54

Instrument :
BNA_M
ClientSampleId :
S704A-N-0.0-0.5-082819DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	6.6	3.8	5.8#

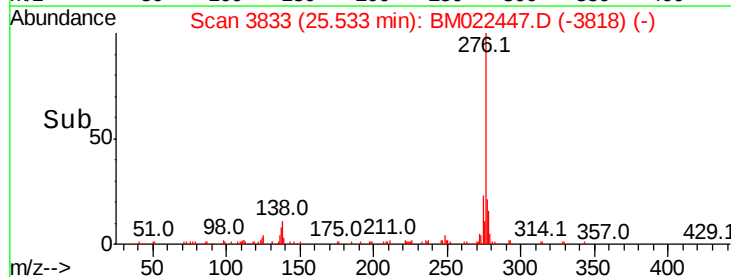
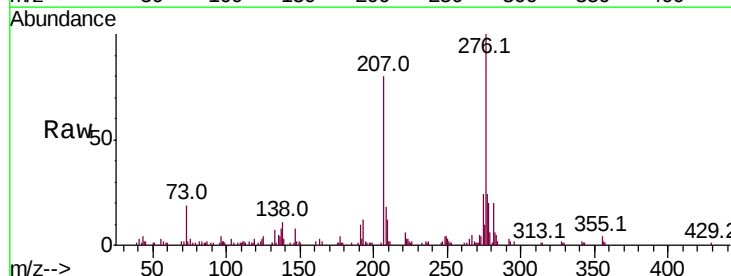
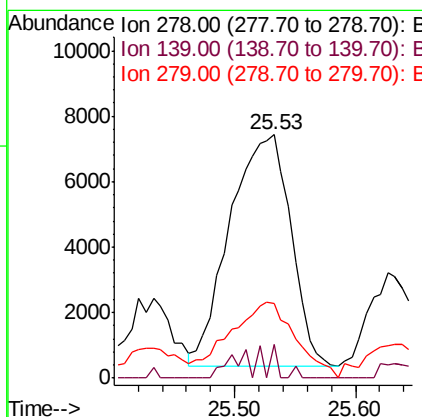
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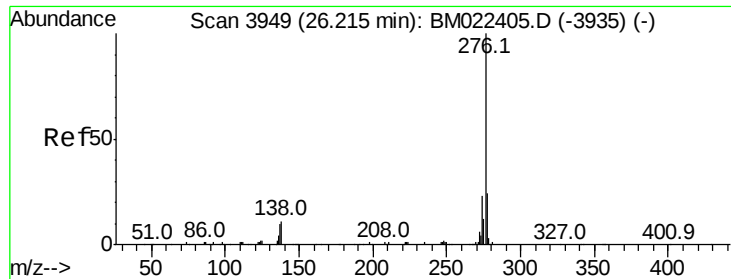
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.429 ng
RT: 25.53 min Scan# 3833
Delta R.T. -0.01 min
Lab File: BM022447.D
Acq: 30 Aug 2019 18:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.9	6.6	9.8#
279	30.6	19.3	28.9#





#92
 Benzo(a,h,i)perylene
 Concen: 11.302 ng
 RT: 26.20 min Scan# 3946
 Delta R.T. -0.02 min
 Lab File: BM022447.D
 Acq: 30 Aug 2019 18:54

Instrument :
 BNA_M
 ClientSampleId :
 S704A-N-0.0-0.5-082819DL

Tot Ion:	276	Resp:	100309
Ion Ratio	Lower	Upper	
276	100		
277	25.8	19.4	29.0
138	10.6	8.8	13.2

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