

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
 Data File : BM022451.D
 Acq On : 30 Aug 2019 21:20
 Operator : HP/JU
 Sample : K4618-07 20X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-4-20-22

Manual Integrations
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Quant Time: Aug 31 00:54:10 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	15770	20.00	ng	-0.01
21) Naphthalene-d8	10.29	136	55942	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	34214	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	79746	20.00	ng	0.00
76) Chrysene-d12	21.17	240	131537	20.00	ng	0.00
87) Perylene-d12	23.35	264	177983	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	3446	3.84	ng	0.00
7) Phenol-d6	6.74	99	3562	2.96	ng	0.02
23) Nitrobenzene-d5	8.72	82	2306	1.81	ng	0.02
42) 2,4,6-Tribromophenol	15.71	330	1559	2.23	ng	0.01
45) 2-Fluorobiphenyl	12.80	172	5437	1.80	ng	0.00
79) Terphenyl-d14	19.59	244	18638	1.87	ng	-0.01
Target Compounds						
78) Pyrene	19.39	202	45574	5.084	ng	97
81) Benzo(a)anthracene	21.15	228	168678m	17.866	ng	
83) Chrysene	21.20	228	250559	27.882	ng	97
86) Indeno(1,2,3-cd)pyrene	25.53	276	79478	8.793	ng	# 93
88) Benzo(b)fluoranthene	22.70	252	143143m	11.577	ng	
90) Benzo(a)pyrene	23.26	252	171603	15.636	ng	99
91) Dibenzo(a,h)anthracene	25.53	278	95416	8.719	ng	# 69
92) Benzo(g,h,i)perylene	26.20	276	156865	16.447	ng	98

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

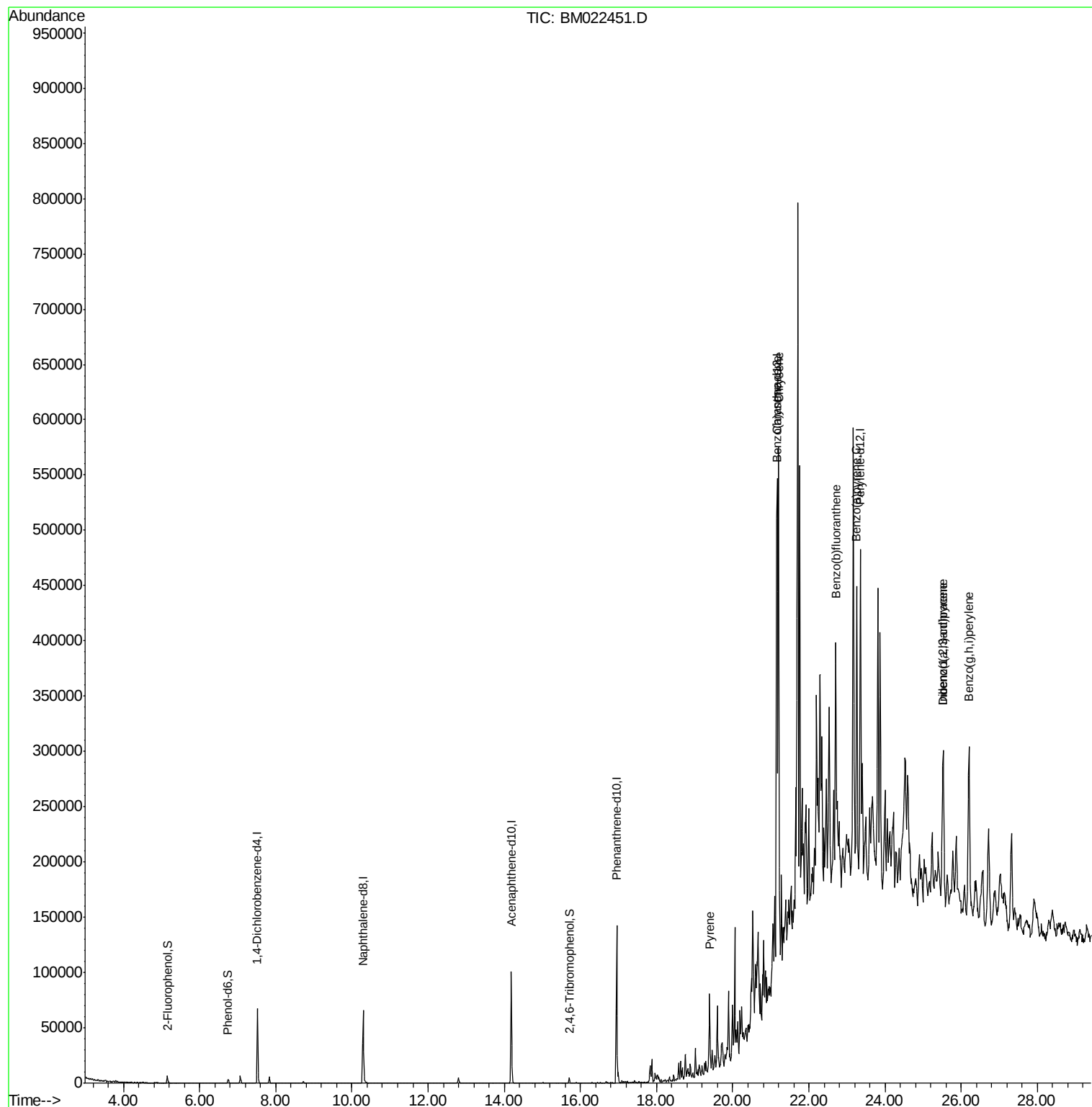
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
Data File : BM022451.D
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Operator : HP/JU
Sample : K4618-07 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

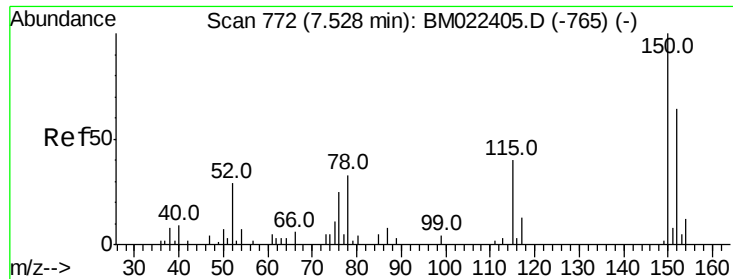
Instrument :
BNA_M
ClientSampleId :
SB-4-20-22

Quant Time: Aug 31 00:54:10 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

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#1

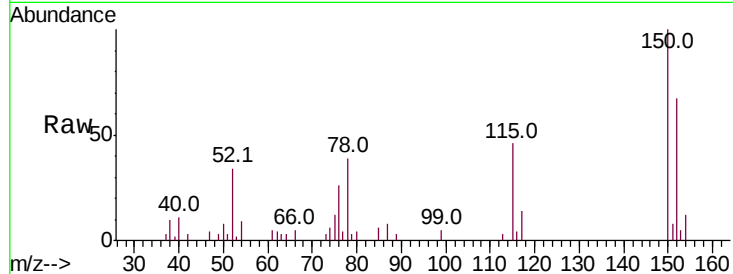
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 770
Delta R.T. -0.01 min
Lab File: BM022451.D
Acq: 30 Aug 2019 21:20

Instrument :
BNA_M
ClientSampleId :
SB-4-20-22

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.2	125.4	188.0
115	68.6	50.3	75.5

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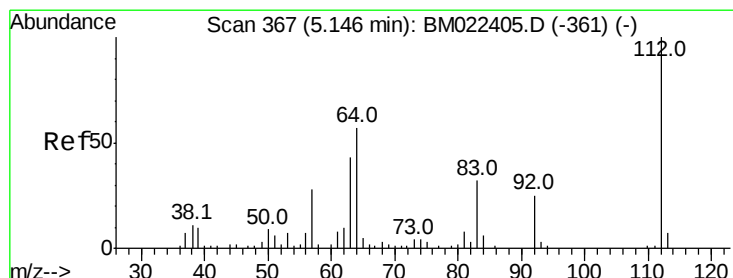
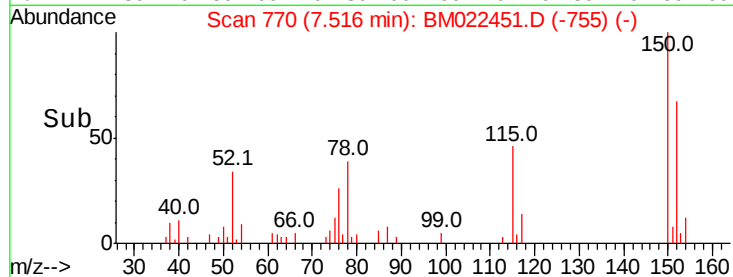
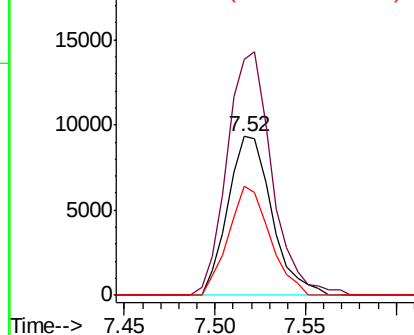


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

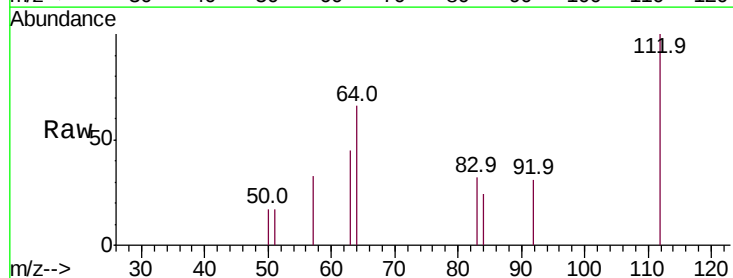
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 3.836 ng
RT: 5.15 min Scan# 368
Delta R.T. 0.01 min
Lab File: BM022451.D
Acq: 30 Aug 2019 21:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	45.4	68.2
63	45.4	34.5	51.7

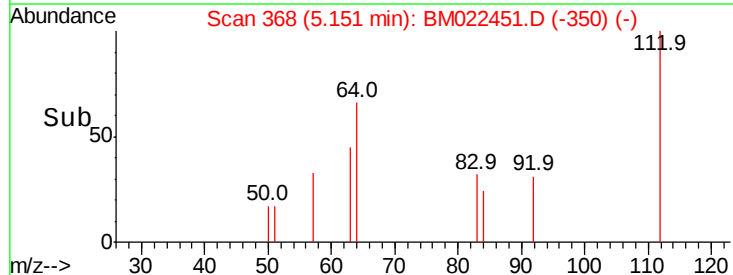
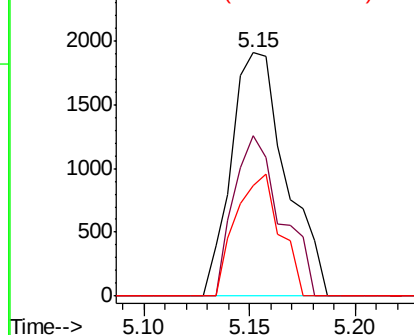


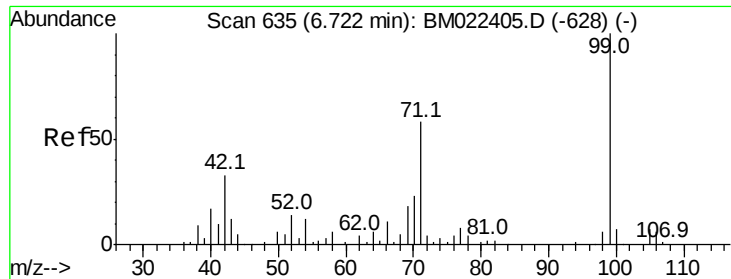
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 2.965 ng

RT: 6.74 min Scan# 638

Delta R.T. 0.02 min

Lab File: BM022451.D

Acq: 30 Aug 2019 21:20

Instrument :

BNA_M

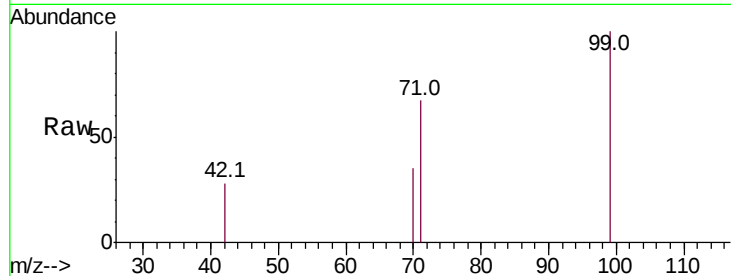
ClientSampleId :

SB-4-20-22

Tot Ion:	99	Resp:	3562
Ion Ratio	Lower	Upper	
99	100		
42	27.9	26.3	39.5
71	66.8	46.6	69.8

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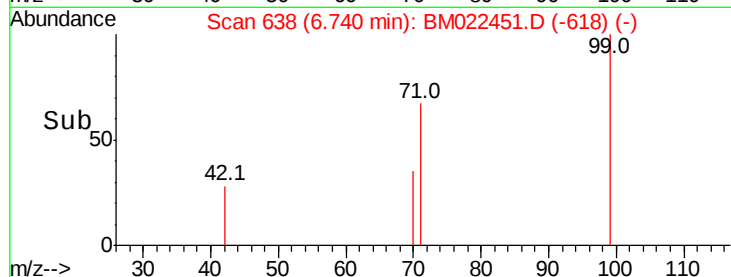


Abundance Ion 99.00 (98.70 to 99.70): BM022405.D (-628) (-)

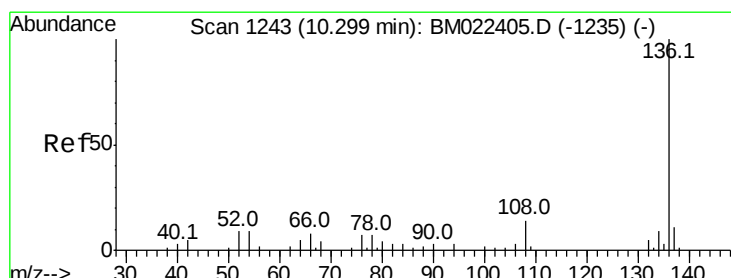
Ion 42.00 (41.70 to 42.70): BM022405.D (-628) (-)

Ion 71.00 (70.70 to 71.70): BM022405.D (-628) (-)

Time-->



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.29 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BM022451.D

Acq: 30 Aug 2019 21:20

Tgt Ion:	136	Resp:	55942
Ion Ratio	Lower	Upper	
136	100		
137	9.5	8.6	13.0
54	10.2	7.0	10.6
68	4.0	2.9	4.3

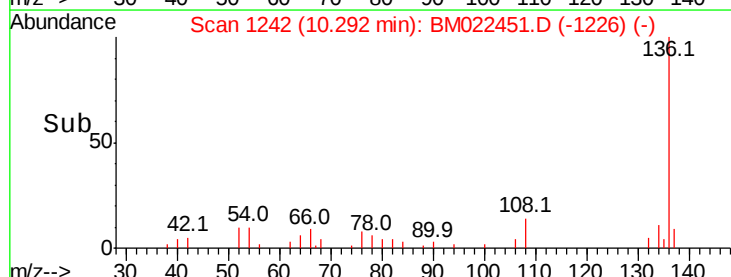
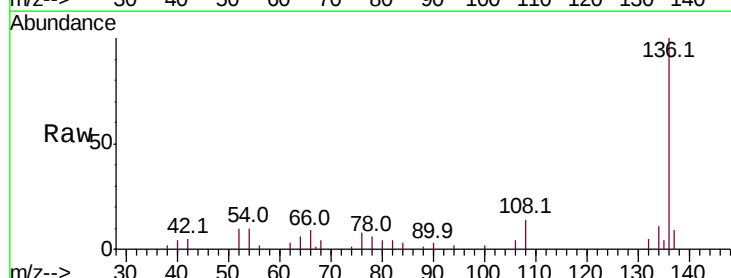
Abundance Ion 136.00 (135.70 to 136.70): BM022405.D (-1235) (-)

Ion 137.00 (136.70 to 137.70): BM022405.D (-1235) (-)

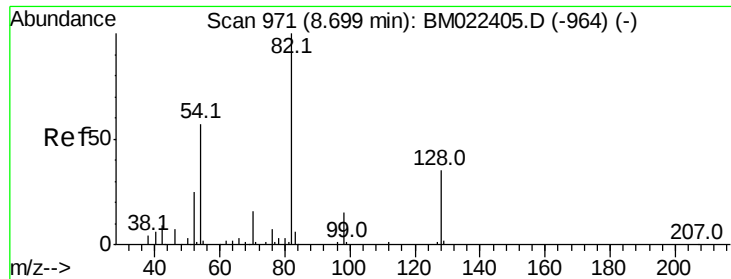
Ion 54.00 (53.70 to 54.70): BM022405.D (-1235) (-)

Ion 68.00 (67.70 to 68.70): BM022405.D (-1235) (-)

Time-->



Time-->



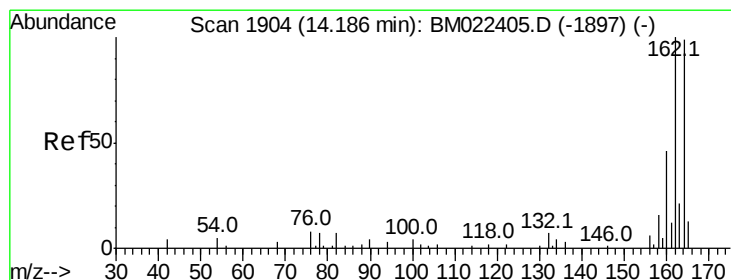
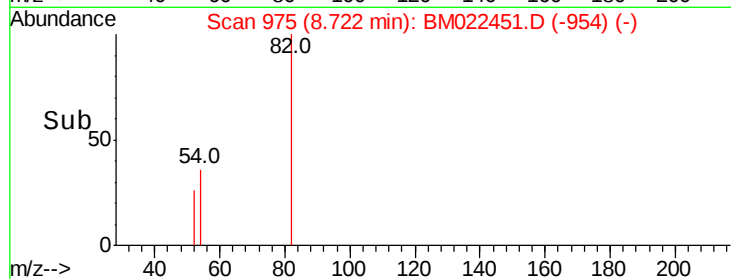
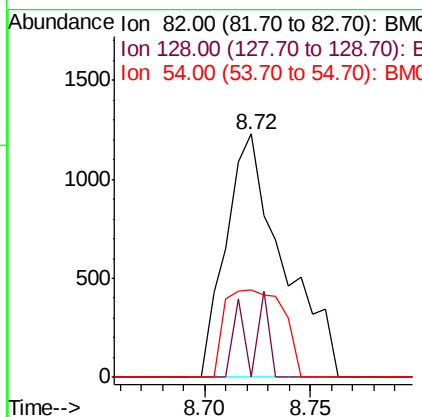
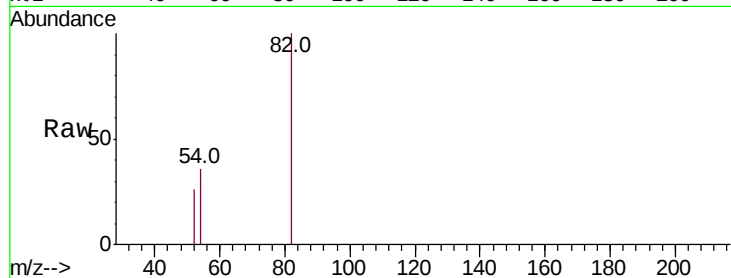
#23
Nitrobenzene-d5
Concen: 1.806 ng
RT: 8.72 min Scan# 975
Delta R.T. 0.02 min
Lab File: BM022451.D
Acq: 30 Aug 2019 21:20

Instrument :
BNA_M
ClientSampled :
SB-4-20-22

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	27.9	41.9#
54	35.9	45.2	67.8#

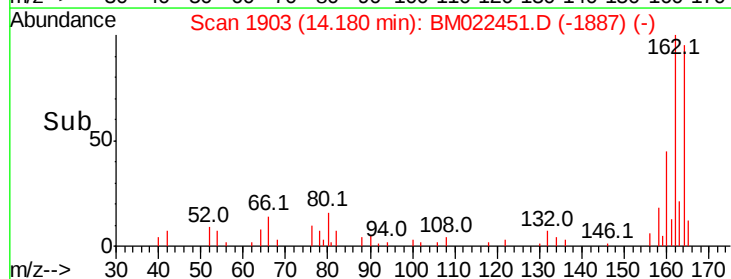
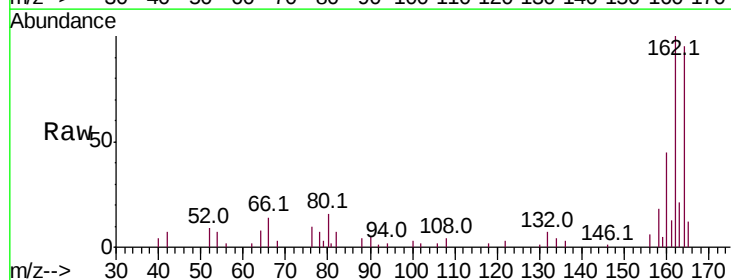
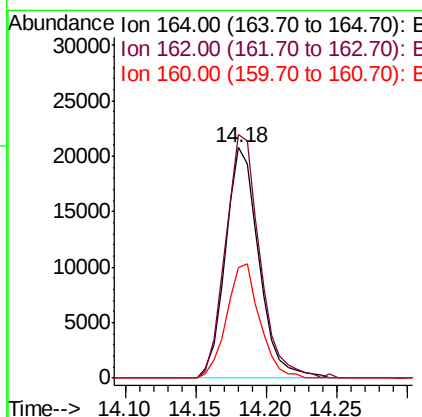
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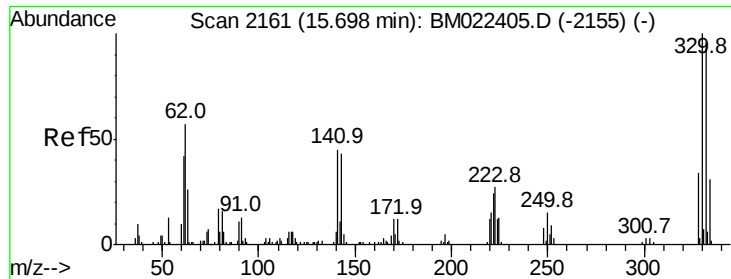
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.18 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BM022451.D
Acq: 30 Aug 2019 21:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	80.6	121.0
160	47.6	37.3	55.9





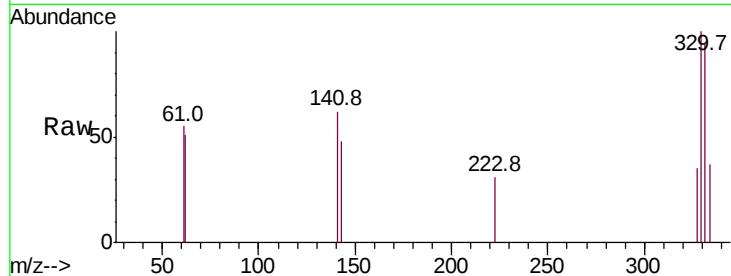
#42
 2,4,6-Tribromophenol
 Concen: 2.227 ng
 RT: 15.71 min Scan# 2163
 Delta R.T. 0.01 min
 Lab File: BM022451.D
 Acq: 30 Aug 2019 21:20

Instrument :
 BNA_M
 ClientSampled :
 SB-4-20-22

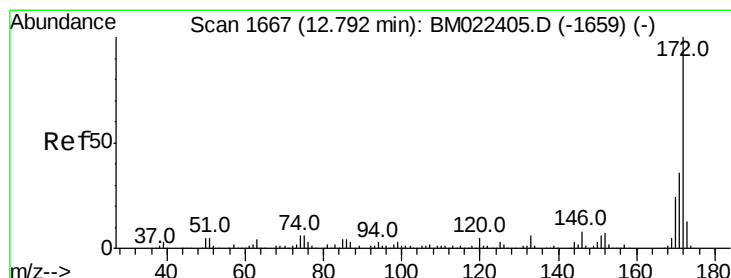
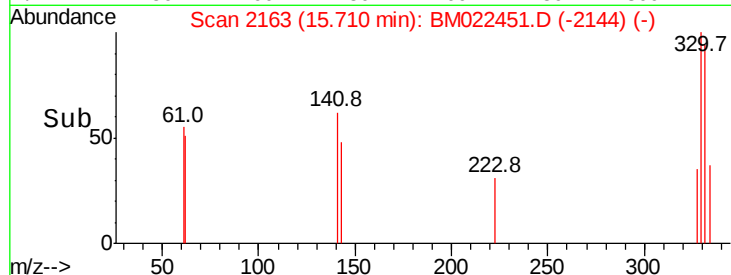
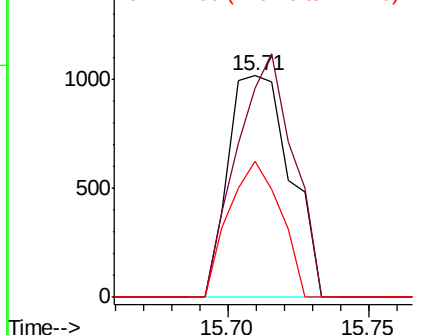
Tot Ion	Ratio	Lower	Upper
330	100		
332	99.4	77.8	116.8
141	51.1	35.6	53.4

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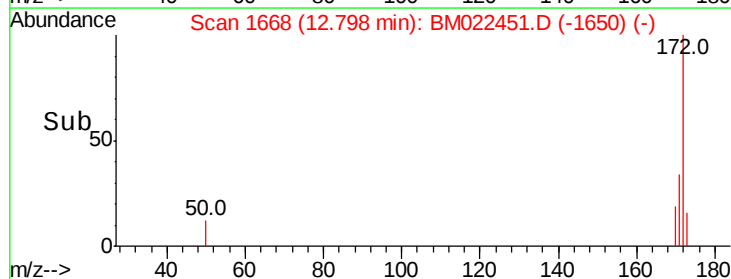
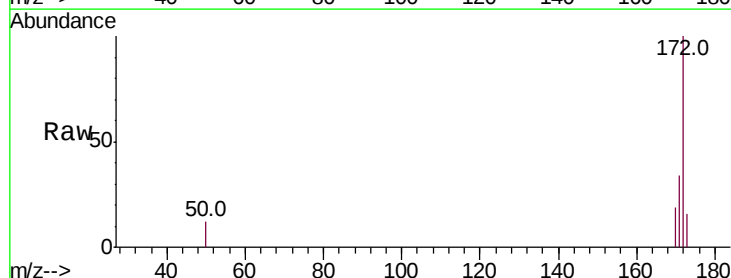
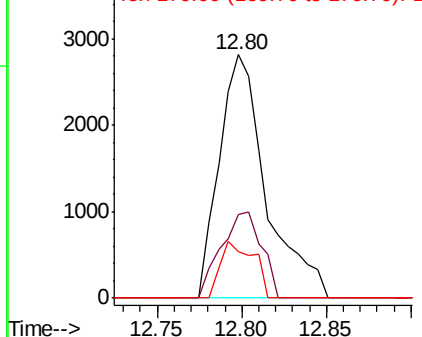
Abundance Ion 329.80 (329.50 to 330.50): E
 1500 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

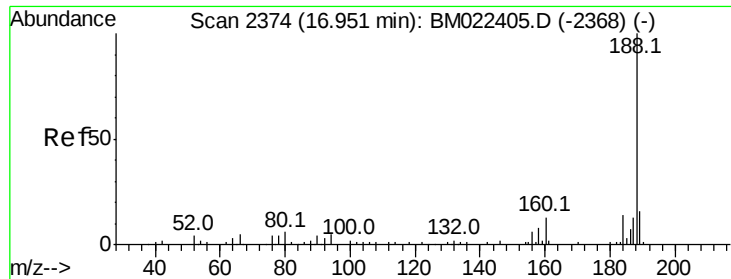


#45
 2-Fluorobiphenyl
 Concen: 1.800 ng
 RT: 12.80 min Scan# 1668
 Delta R.T. 0.01 min
 Lab File: BM022451.D
 Acq: 30 Aug 2019 21:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.5	42.7
170	19.0	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





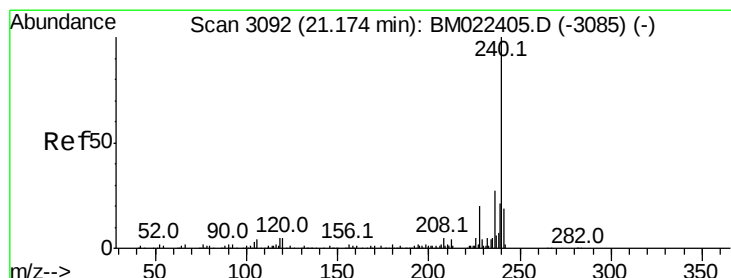
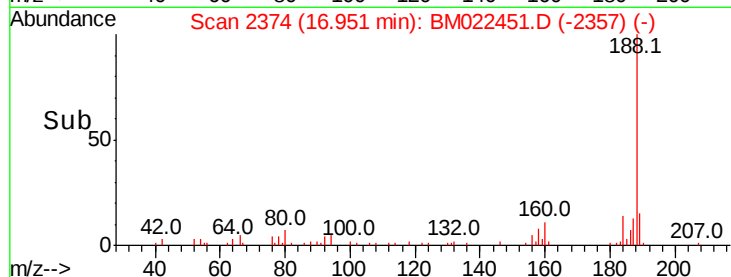
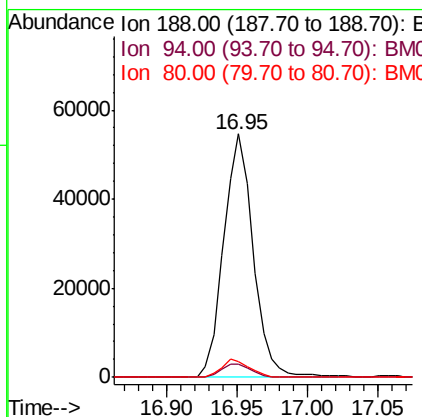
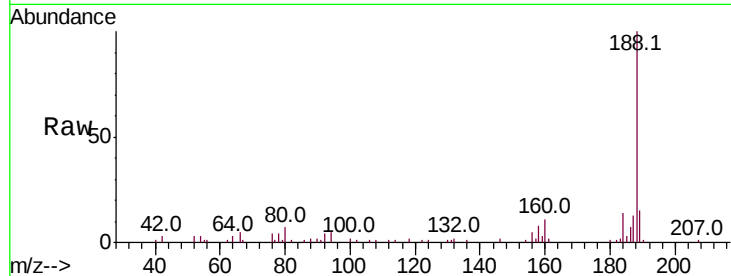
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.95 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BM022451.D
Acq: 30 Aug 2019 21:20

Instrument :
BNA_M
ClientSampleId :
SB-4-20-22

Tot Ion	Ratio	Resp	Lower	Upper
188	100	79746		
94	5.4		4.4	6.6
80	6.7		5.0	7.6

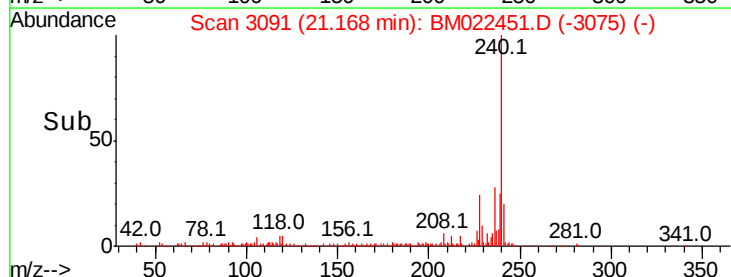
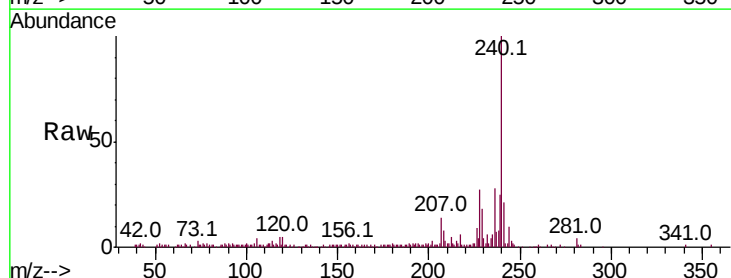
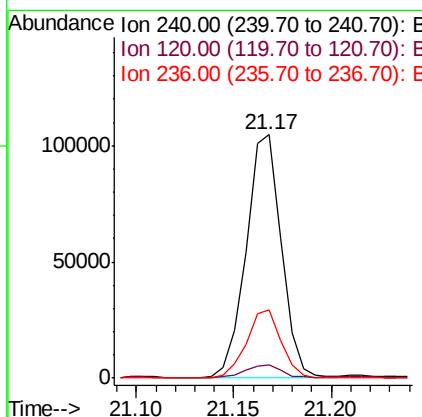
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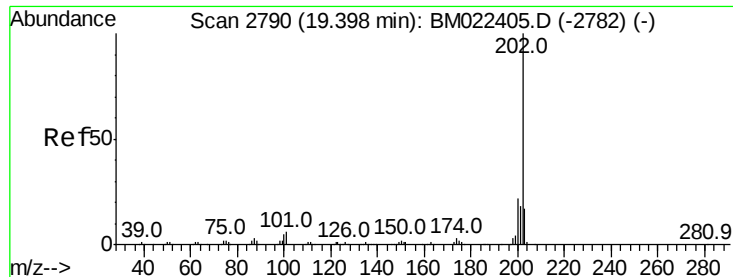
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.17 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BM022451.D
Acq: 30 Aug 2019 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	131537		
120	5.4		3.9	5.9
236	28.2		21.4	32.2





#78

Pvrene

Concen: 5.084 ng

RT: 19.39 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BM022451.D

Acq: 30 Aug 2019 21:20

Instrument :

BNA_M

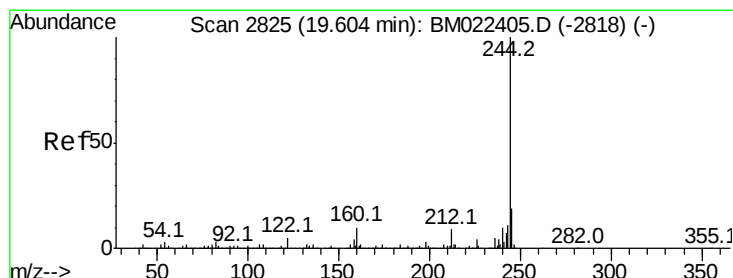
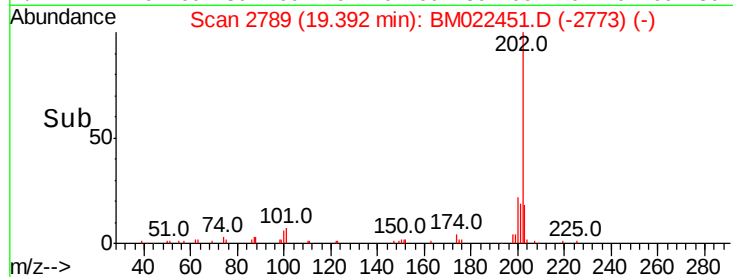
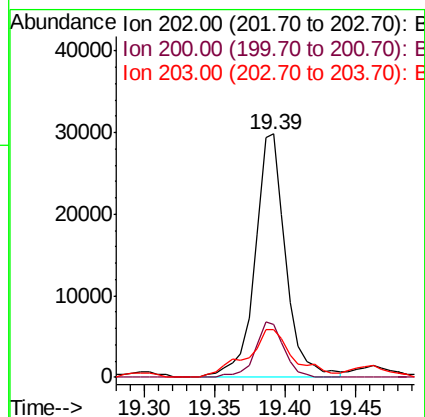
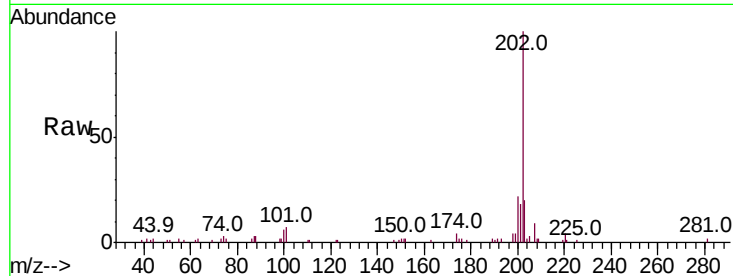
ClientSampleId :

SB-4-20-22

Tot Ion:	202	Resp:	45574
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.7	26.5
203	19.6	13.8	20.8

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#79

Terphenyl-d14

Concen: 1.870 ng

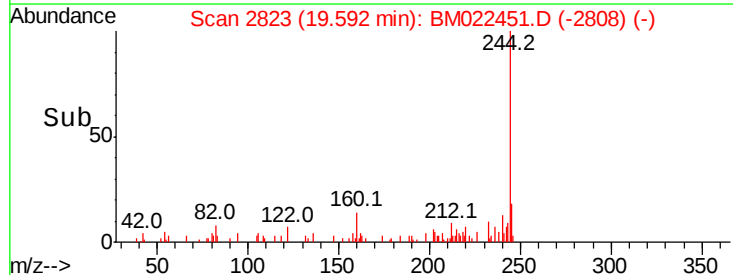
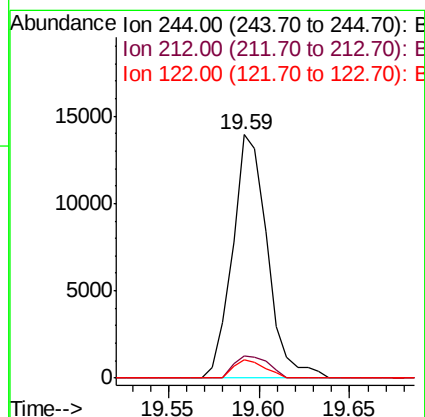
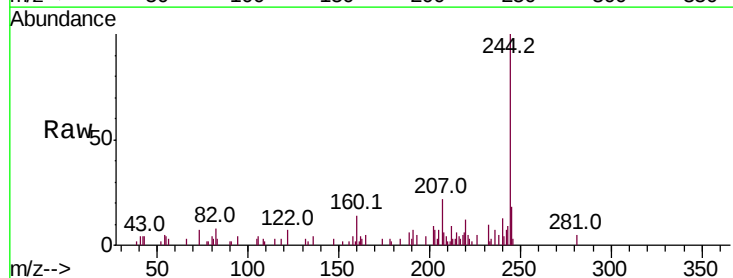
RT: 19.59 min Scan# 2823

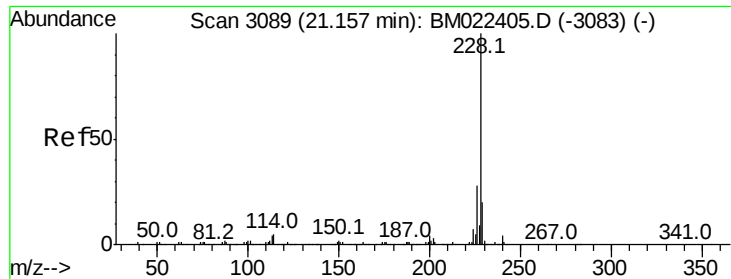
Delta R.T. -0.01 min

Lab File: BM022451.D

Acq: 30 Aug 2019 21:20

Tgt Ion:	244	Resp:	18638
Ion Ratio	Lower	Upper	
244	100		
212	9.3	7.0	10.4
122	7.3	3.9	5.9#





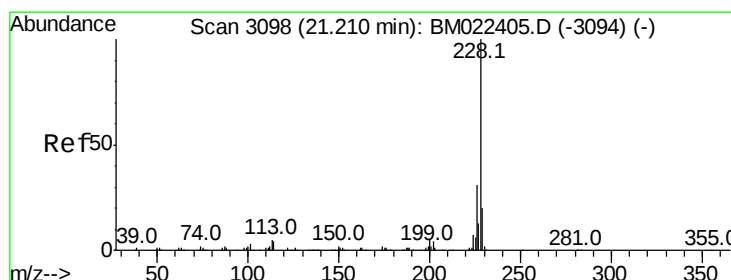
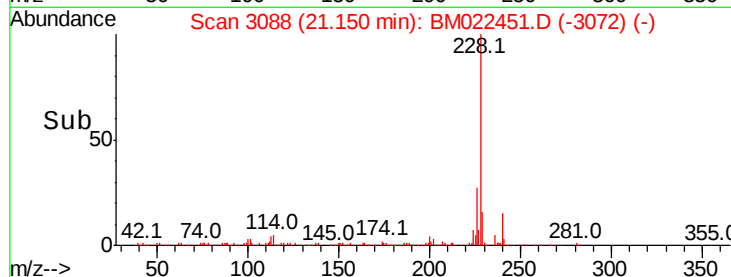
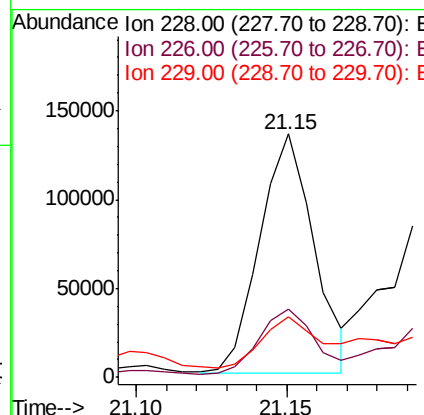
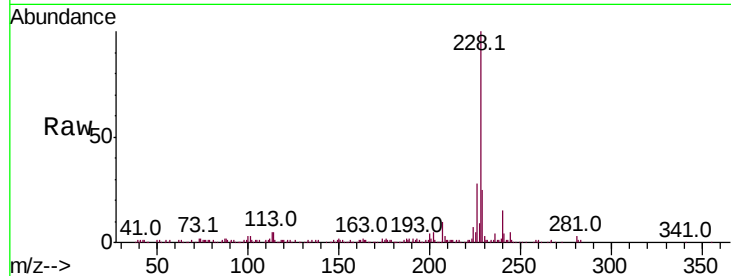
#81
Benzo(a)anthracene
Concen: 17.866 ng m
RT: 21.15 min Scan# 3088
Delta R.T. -0.01 min
Lab File: BM022451.D
Acq: 30 Aug 2019 21:20

Instrument :
BNA_M
ClientSampleId :
SB-4-20-22

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	34.0
229	24.7	15.9	23.9

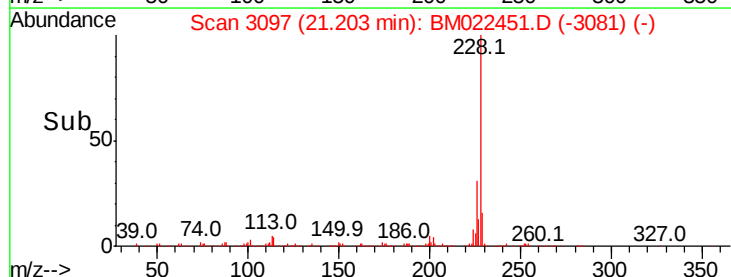
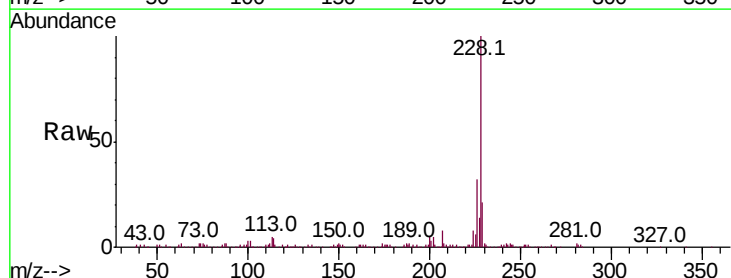
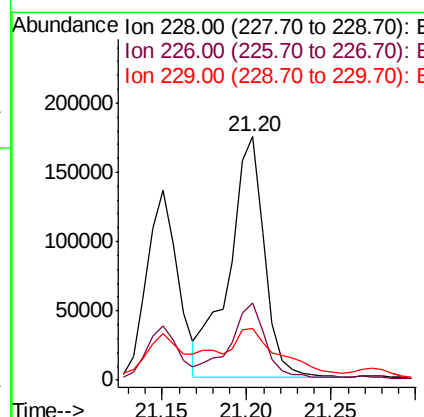
Manual Integrations
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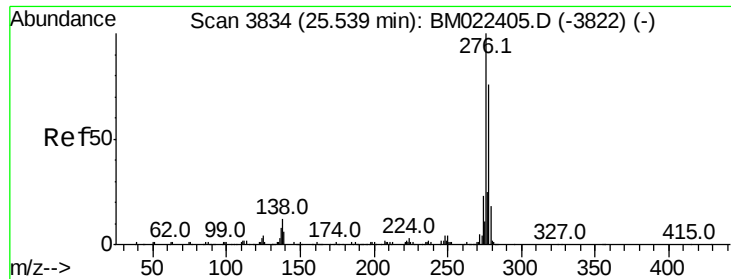
mohammad
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#83
Chrysene
Concen: 27.882 ng
RT: 21.20 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BM022451.D
Acq: 30 Aug 2019 21:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.5	36.7
229	21.4	15.7	23.5





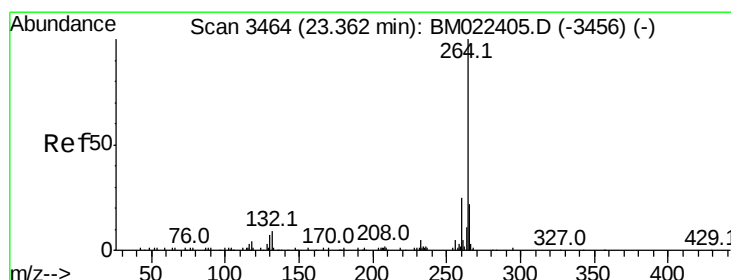
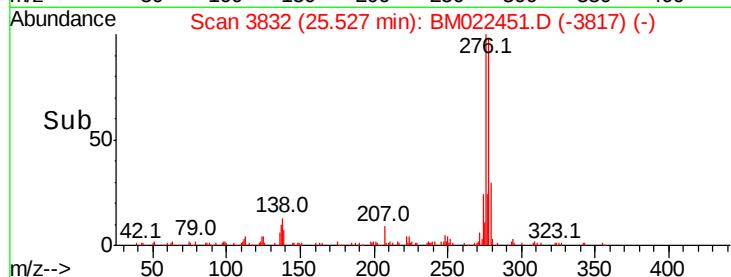
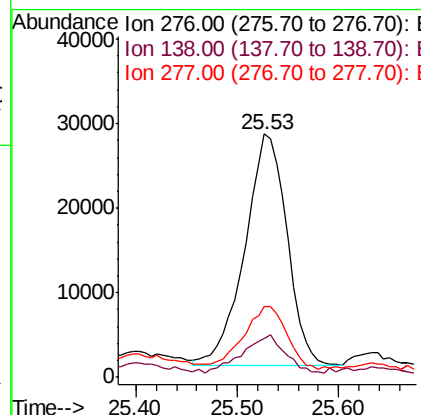
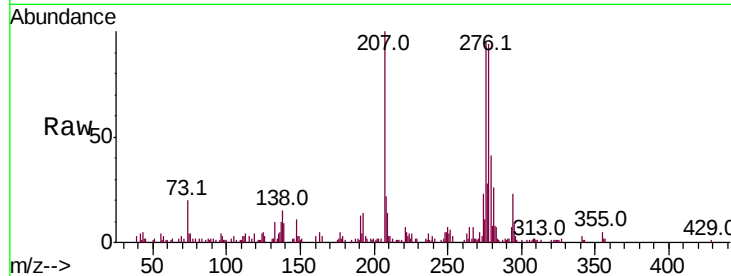
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.793 ng
 RT: 25.53 min Scan# 3832
 Delta R.T. -0.01 min
 Lab File: BM022451.D
 Acq: 30 Aug 2019 21:20

Instrument :
 BNA_M
 ClientSampleId :
 SB-4-20-22

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.1	9.1	13.7#
277	27.6	20.0	30.0

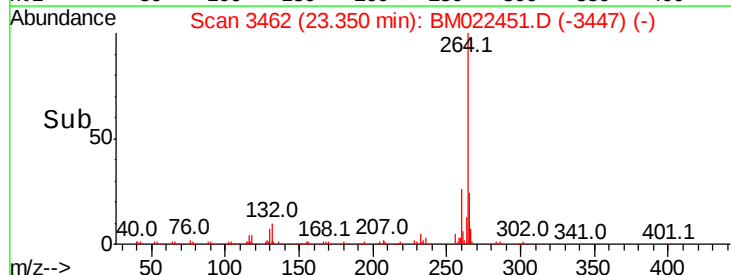
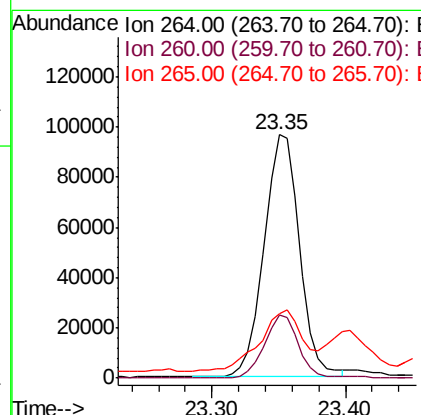
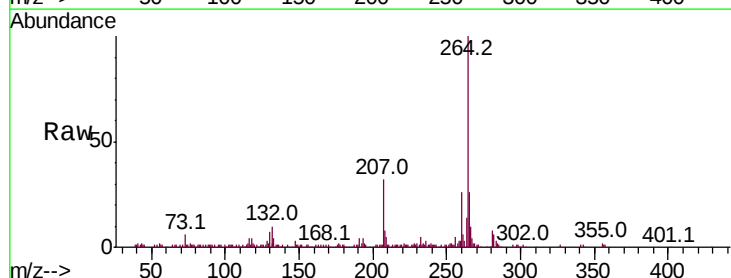
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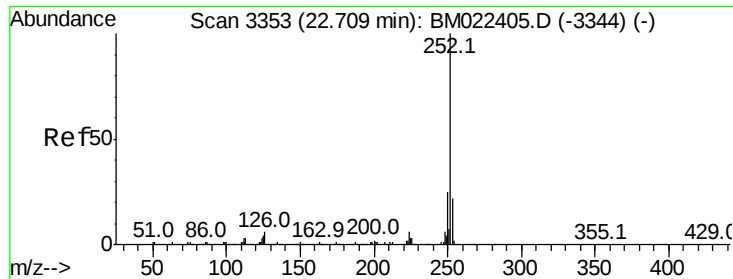
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.35 min Scan# 3462
 Delta R.T. -0.01 min
 Lab File: BM022451.D
 Acq: 30 Aug 2019 21:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.2	30.2
265	26.5	18.2	27.2





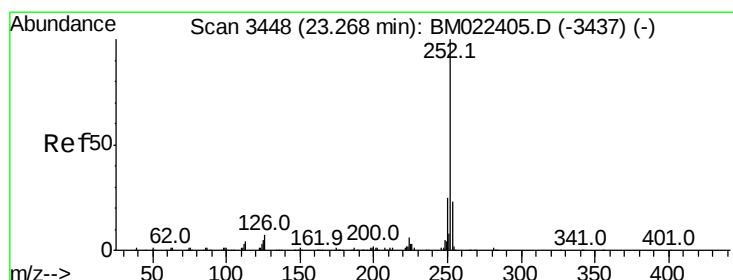
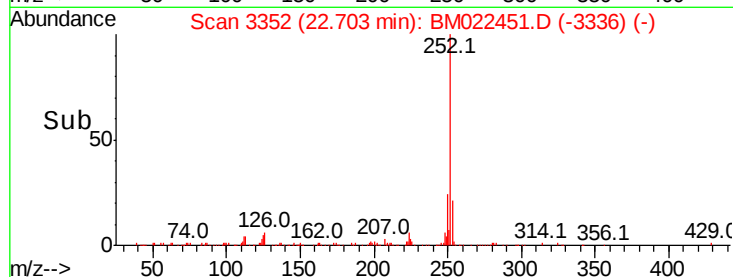
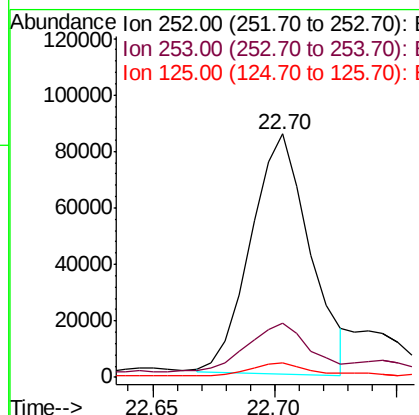
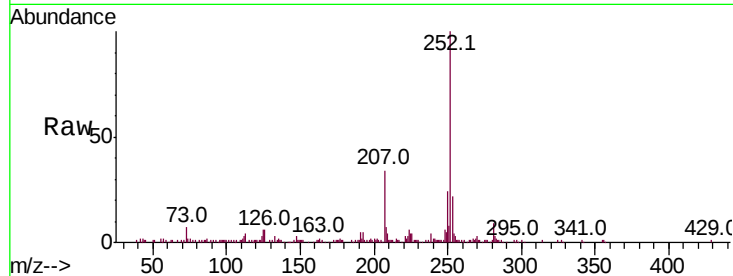
#88
Benzo(b)fluoranthene
Concen: 11.577 ng m
RT: 22.70 min Scan# 3352
Delta R.T. -0.01 min
Lab File: BM022451.D
Acq: 30 Aug 2019 21:20

Instrument :
BNA_M
ClientSampleId :
SB-4-20-22

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	5.8	3.5	5.3

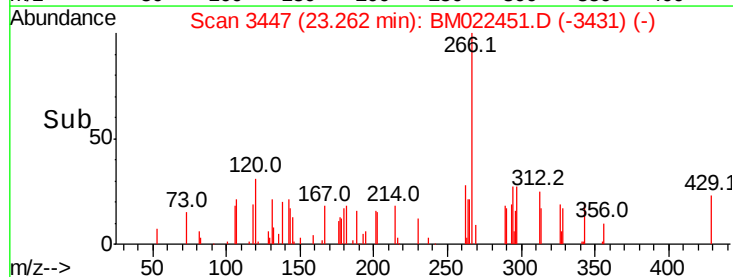
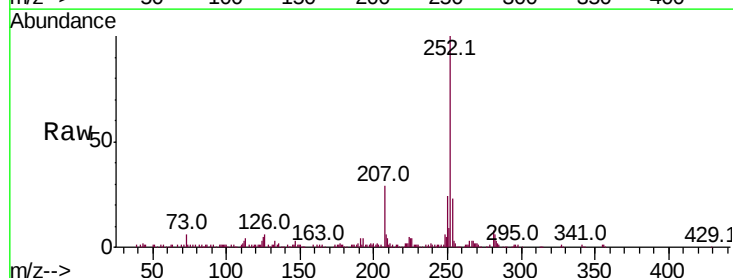
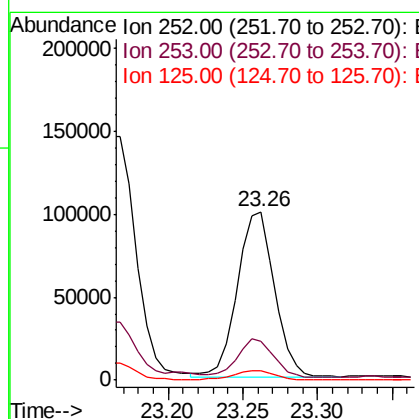
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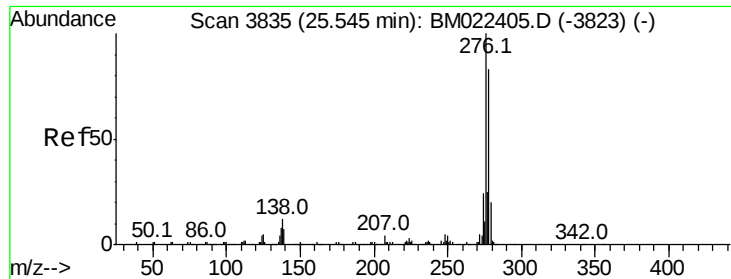
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#90
Benzo(a)pyrene
Concen: 15.636 ng
RT: 23.26 min Scan# 3447
Delta R.T. -0.01 min
Lab File: BM022451.D
Acq: 30 Aug 2019 21:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	5.4	3.8	5.8





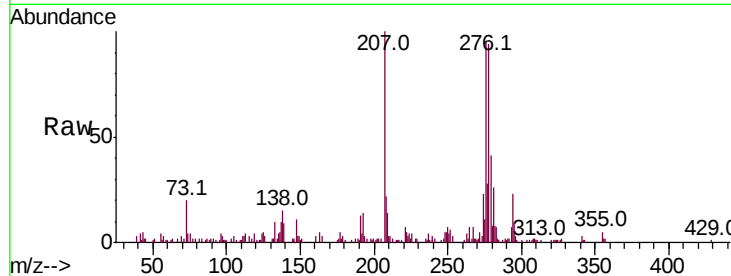
#91
Dibenzo(a,h)anthracene
Concen: 8.719 ng
RT: 25.53 min Scan# 3832
Delta R.T. -0.02 min
Lab File: BM022451.D
Acq: 30 Aug 2019 21:20

Instrument :
BNA_M
ClientSampleId :
SB-4-20-22

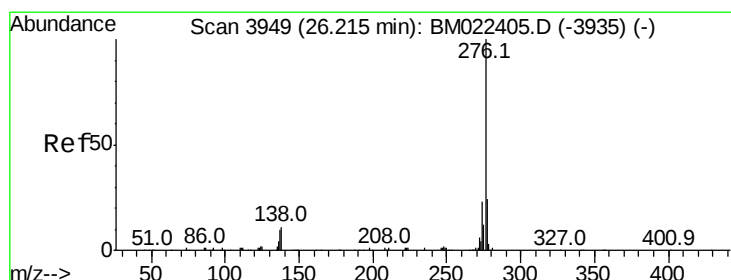
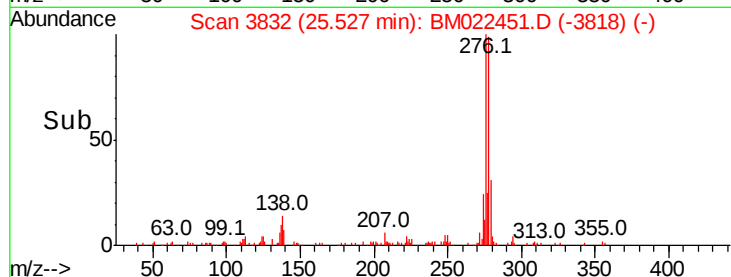
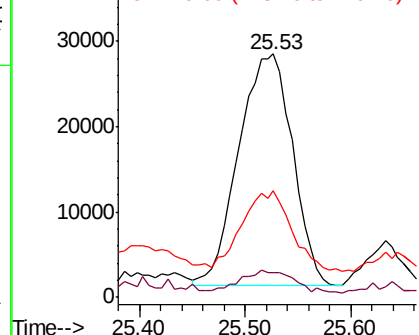
Tot Ion	Ratio	Lower	Upper
278	100		
139	10.0	6.6	9.8#
279	43.9	19.3	28.9#

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 16.447 ng
RT: 26.20 min Scan# 3947
Delta R.T. -0.01 min
Lab File: BM022451.D
Acq: 30 Aug 2019 21:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	12.1	8.8	13.2

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

