

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
 Data File : BM022428.D
 Acq On : 30 Aug 2019 03:27
 Operator : HP/JU
 Sample : K4596-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 S403-K1-1.0-1.5-082819

Manual Integrations
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 8/30/2019 10:30:05 AM

Quant Time: Aug 30 08:56:28 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	15264	20.00	ng	-0.01
21) Naphthalene-d8	10.30	136	52739	20.00	ng	0.00
39) Acenaphthene-d10	14.19	164	32700	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	76889	20.00	ng	0.00
76) Chrysene-d12	21.17	240	112593	20.00	ng	0.00
87) Perylene-d12	23.35	264	140113	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	78873	90.70	ng	0.00
7) Phenol-d6	6.72	99	99310	85.40	ng	0.00
23) Nitrobenzene-d5	8.69	82	69801	57.97	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	55535	83.00	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	164909	57.13	ng	0.00
79) Terphenyl-d14	19.60	244	385625	45.20	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.67	163	11726	4.123	ng	98
71) Phenanthrene	17.00	178	16683	3.722	ng	99
75) Fluoranthene	19.03	202	62327	10.443	ng	98
78) Pyrene	19.39	202	50200	6.542	ng	98
81) Benzo(a)anthracene	21.15	228	28568	3.535	ng	98
83) Chrysene	21.20	228	37410	4.863	ng	98
86) Indeno(1,2,3-cd)pyrene	25.53	276	36916	4.771	ng	96
88) Benzo(b)fluoranthene	22.70	252	68598	7.047	ng	# 97
89) Benzo(k)fluoranthene	22.74	252	20343m	2.107	ng	
90) Benzo(a)pyrene	23.26	252	37847	4.381	ng	# 97
92) Benzo(g,h,i)perylene	26.20	276	36237	4.826	ng	# 94

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

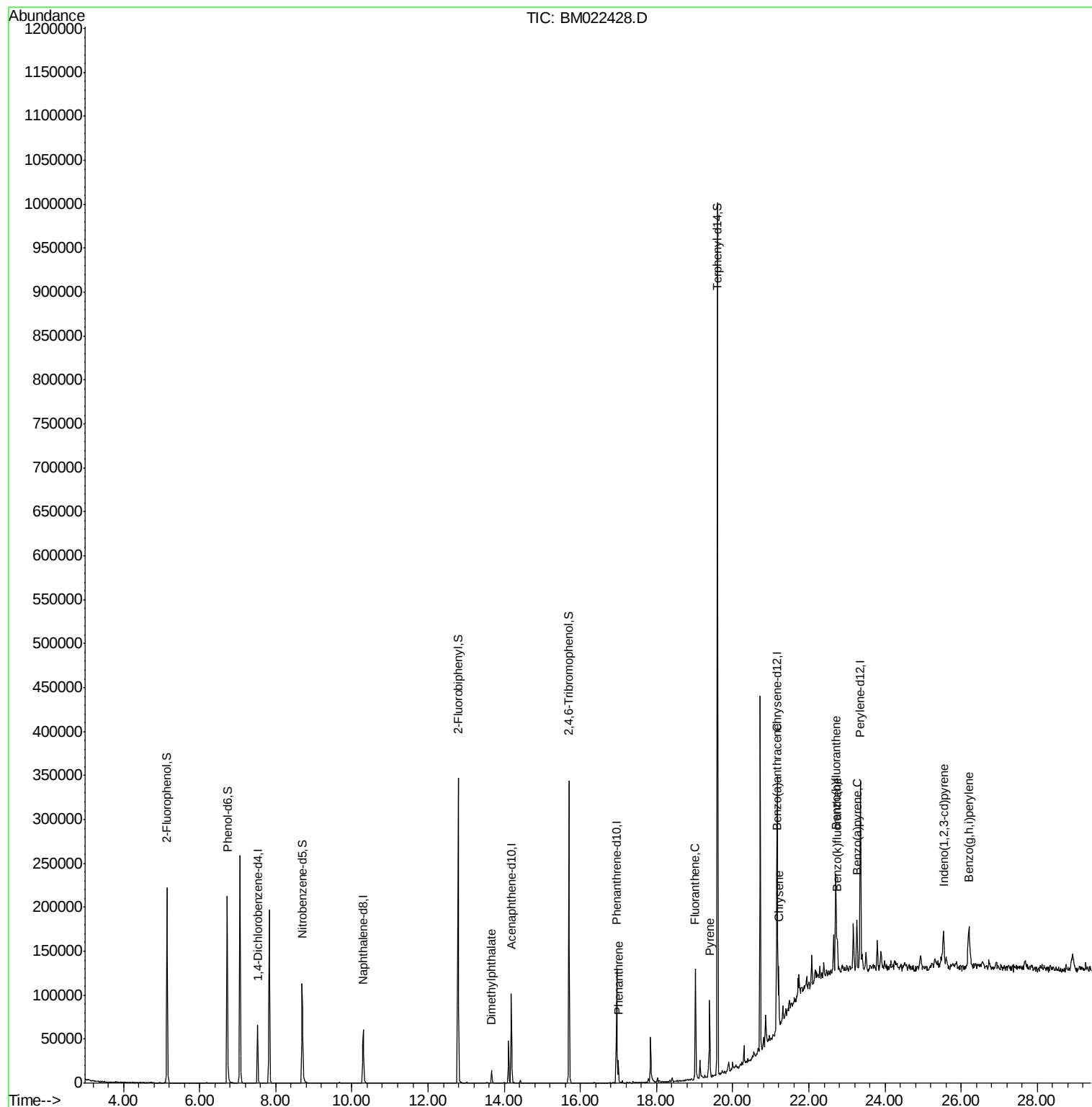
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
Data File : BM022428.D
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Sample : K4596-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

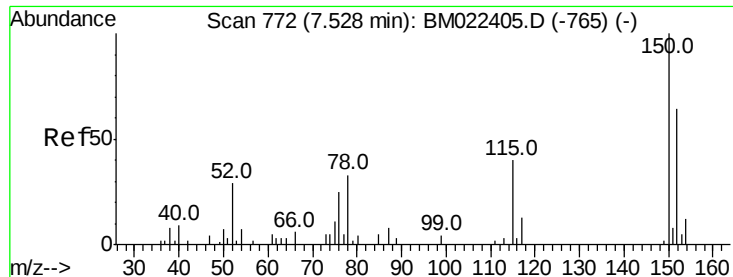
Instrument :
BNA_M
ClientSampleId :
S403-K1-1.0-1.5-082819

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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

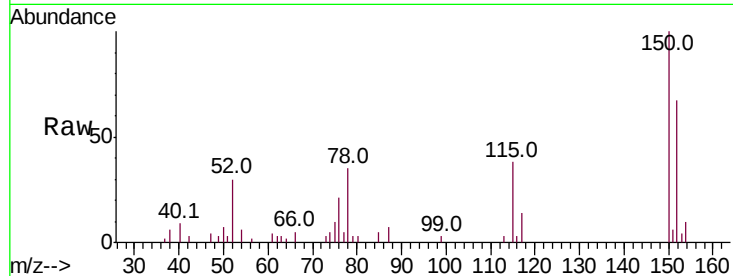
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 770
Delta R.T. -0.01 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

Instrument :
BNA_M
ClientSampleId :
S403-K1-1.0-1.5-082819

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	125.4	188.0
115	57.6	50.3	75.5

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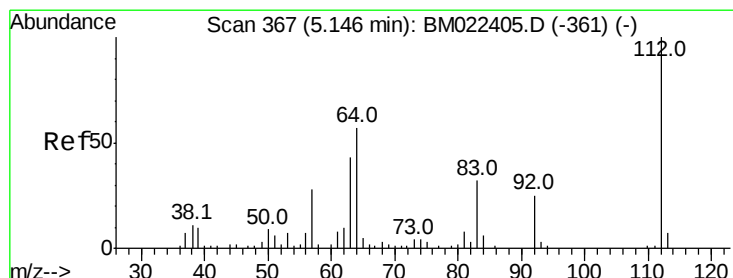
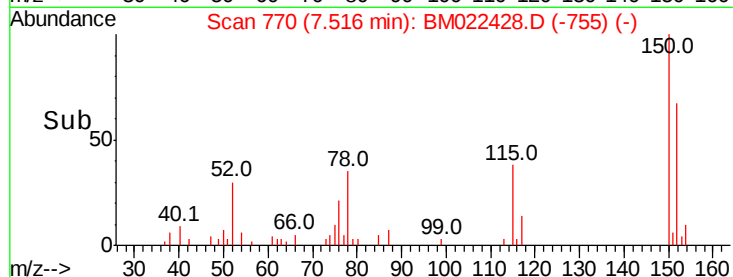
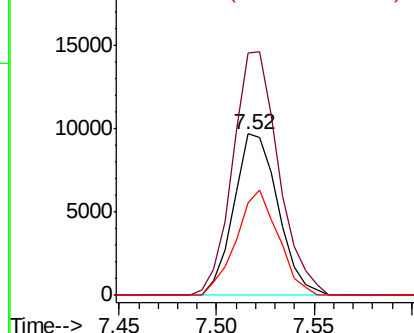


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

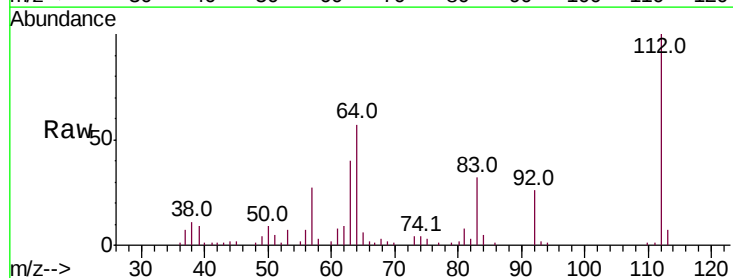
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.702 ng
RT: 5.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	45.4	68.2
63	40.0	34.5	51.7

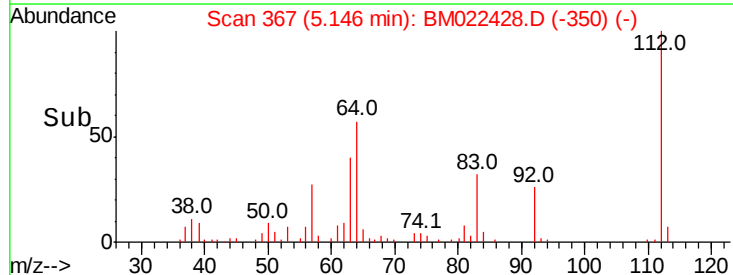
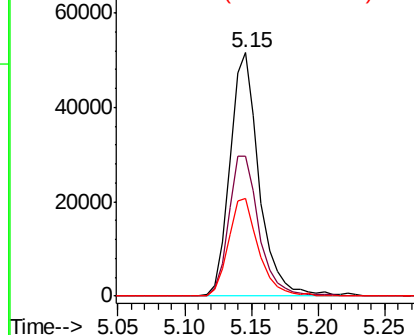


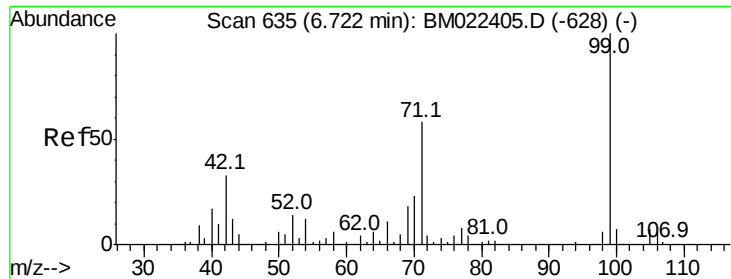
Abundance

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: 85.402 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

Instrument :

BNA_M

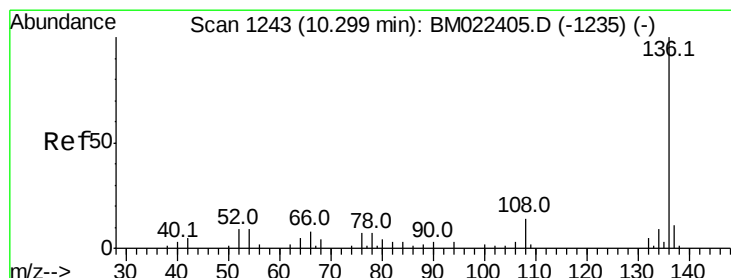
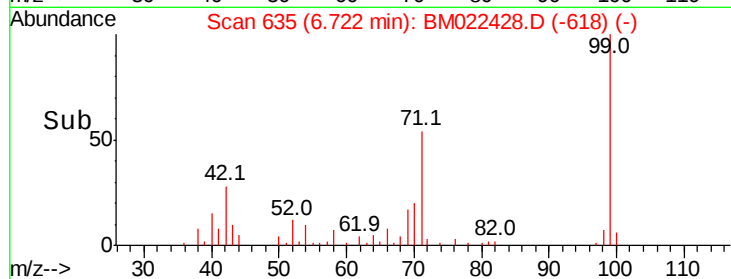
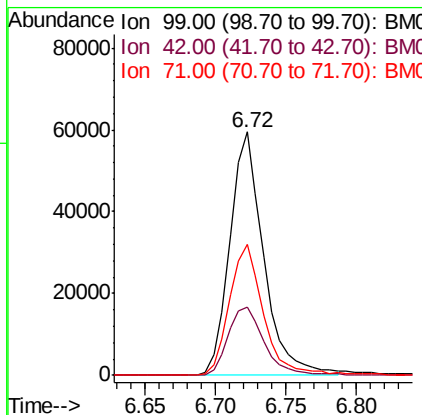
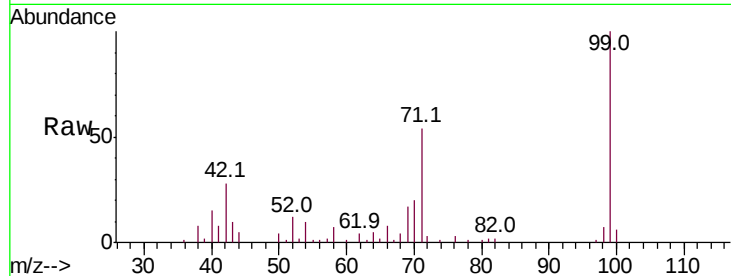
ClientSampleId :

S403-K1-1.0-1.5-082819

Tot Ion:	99	Resp:	99310
Ion Ratio	Lower	Upper	
99	100		
42	28.2	26.3	39.5
71	53.6	46.6	69.8

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#21

Naphthalene-d8

Concen: 20.000 ng

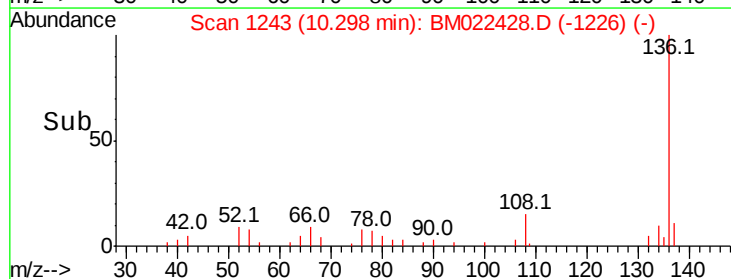
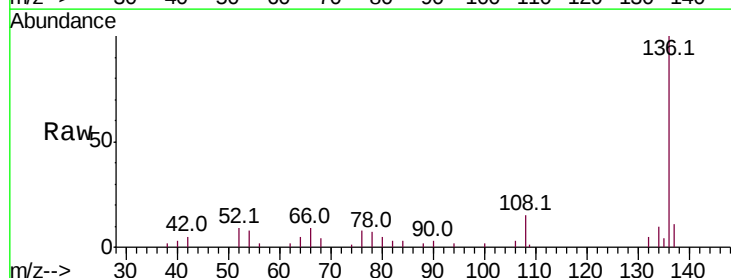
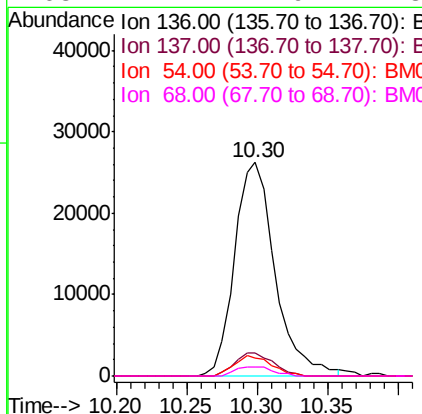
RT: 10.30 min Scan# 1243

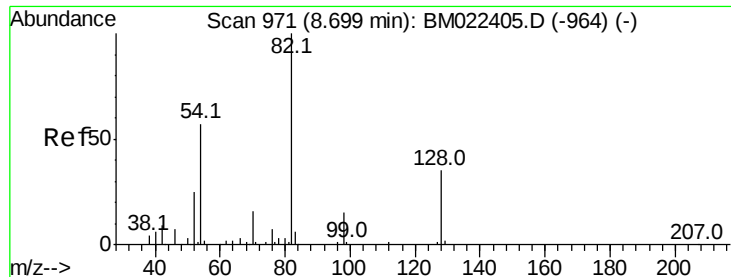
Delta R.T. -0.00 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

Tgt Ion:	136	Resp:	52739
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	8.4	7.0	10.6
68	4.4	2.9	4.3#





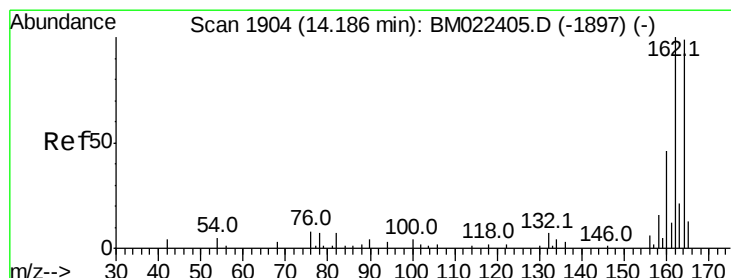
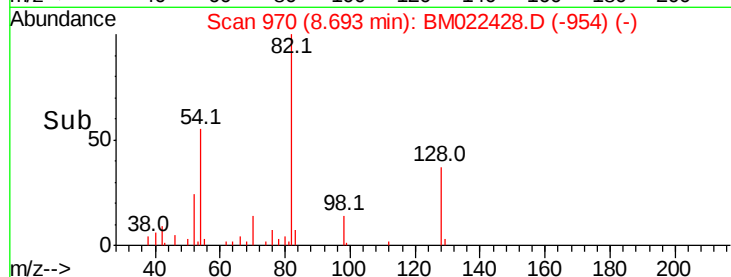
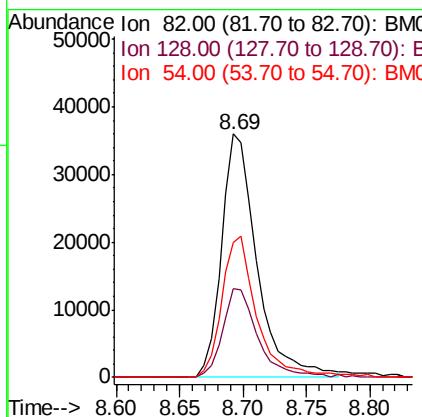
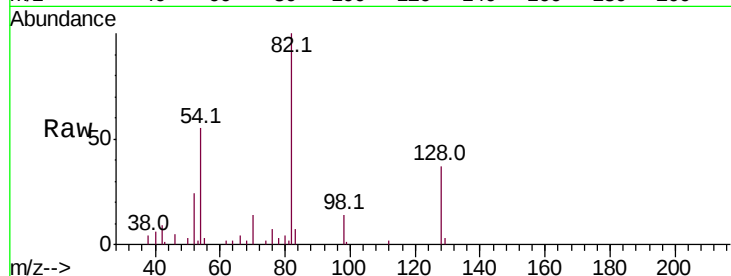
#23
Nitrobenzene-d5
Concen: 57.971 ng
RT: 8.69 min Scan# 970
Delta R.T. -0.01 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

Instrument :
BNA_M
ClientSampleId :
S403-K1-1.0-1.5-082819

Tot Ion	82	Resp	69801
Ion Ratio	Lower	Upper	
82	100		
128	36.6	27.9	41.9
54	55.4	45.2	67.8

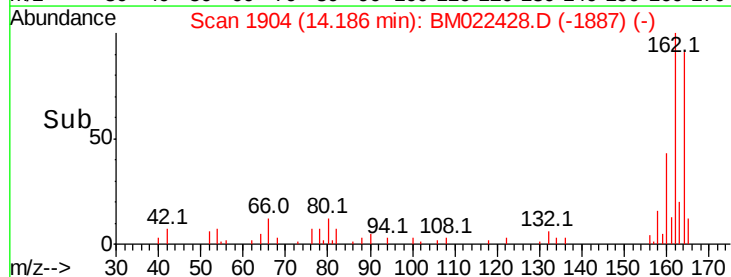
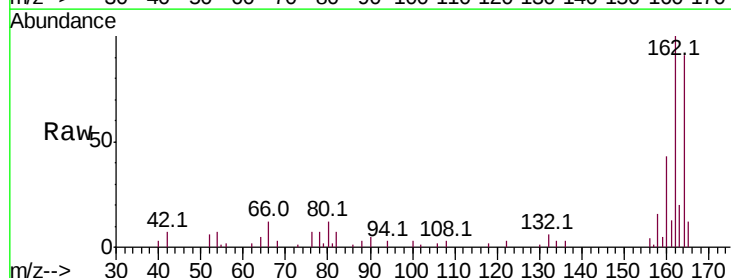
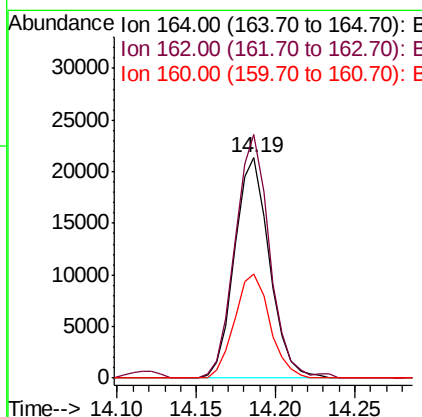
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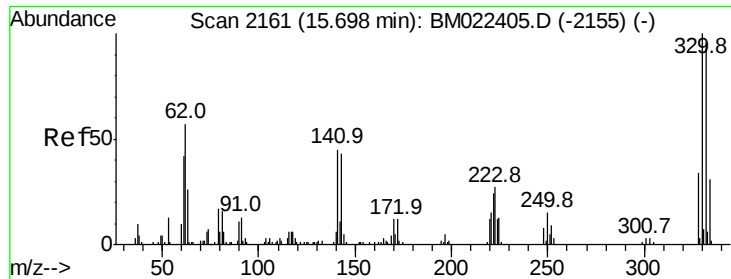
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.19 min Scan# 1904
Delta R.T. -0.00 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

Tgt Ion	164	Resp	32700
Ion Ratio	Lower	Upper	
164	100		
162	110.4	80.6	121.0
160	47.5	37.3	55.9





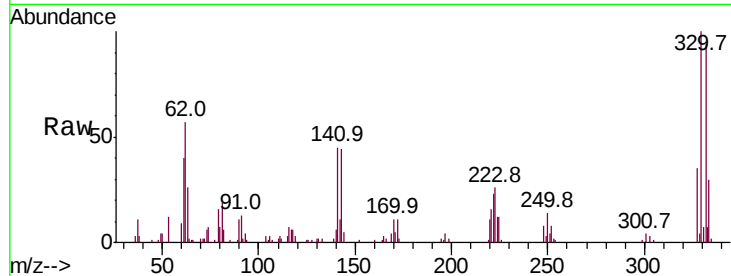
#42
 2,4,6-Tribromophenol
 Concen: 82.996 ng
 RT: 15.70 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BM022428.D
 Acq: 30 Aug 2019 03:27

Instrument :
 BNA_M
 ClientSampleId :
 S403-K1-1.0-1.5-082819

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.8	116.8
141	45.0	35.6	53.4

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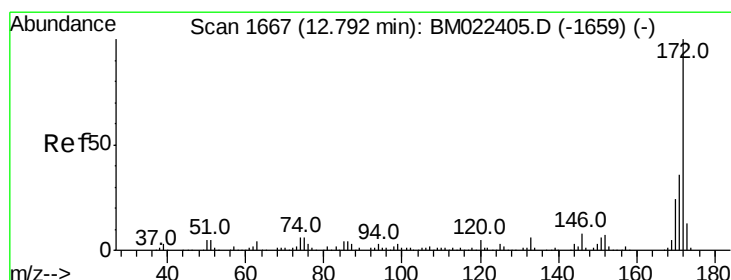
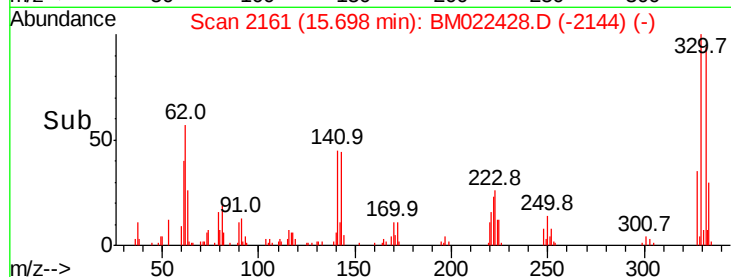
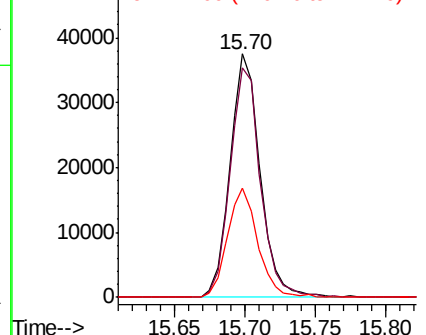


Abundance

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: 57.130 ng
 RT: 12.79 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BM022428.D
 Acq: 30 Aug 2019 03:27

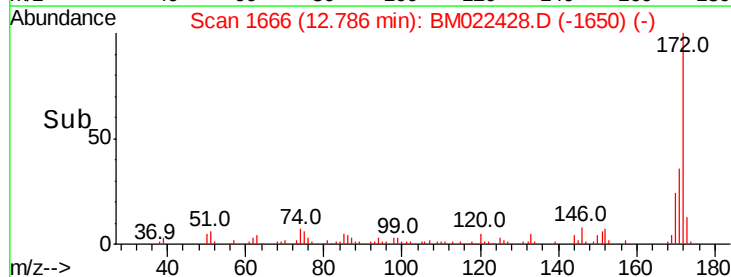
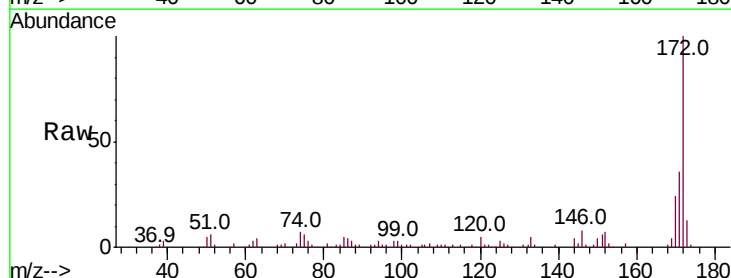
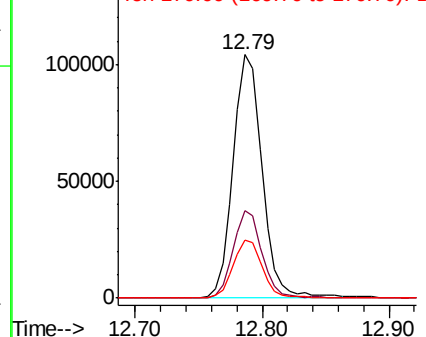
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.5	42.7
170	24.1	18.9	28.3

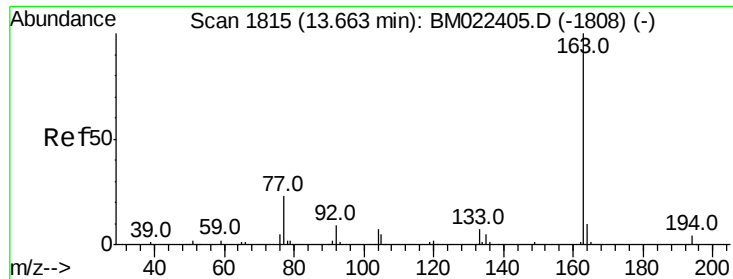
Abundance

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





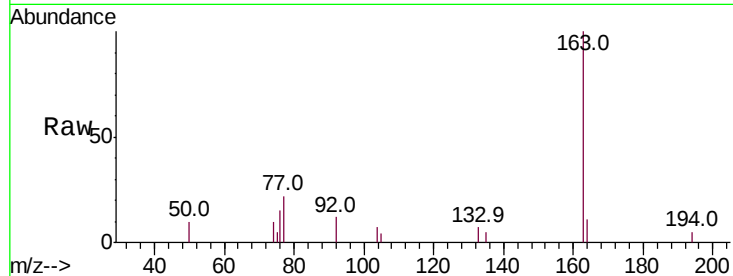
#50
Dimethylphthalate
Concen: 4.123 ng
RT: 13.67 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

Instrument :
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ClientSampleId :
S403-K1-1.0-1.5-082819

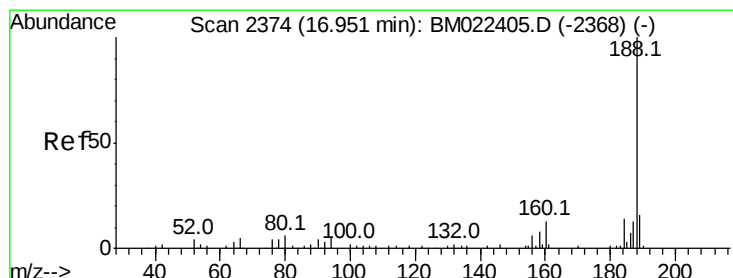
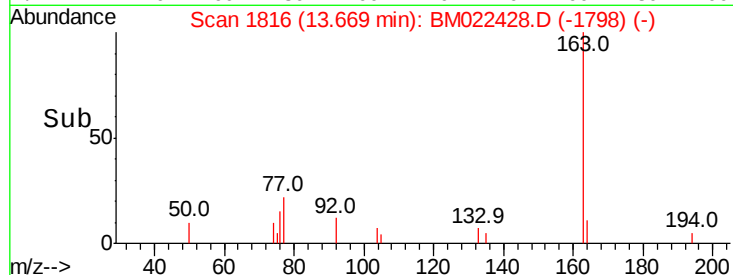
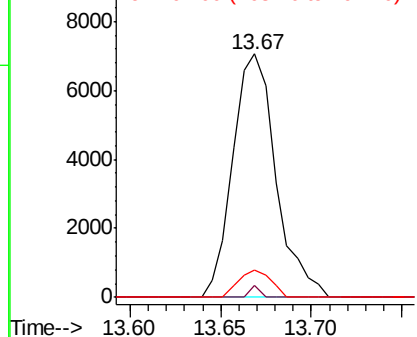
Tot Ion:163	Resp:	11726
Ion Ratio	Lower	Upper
163 100		
194 4.9	3.4	5.2
164 11.2	8.2	12.2

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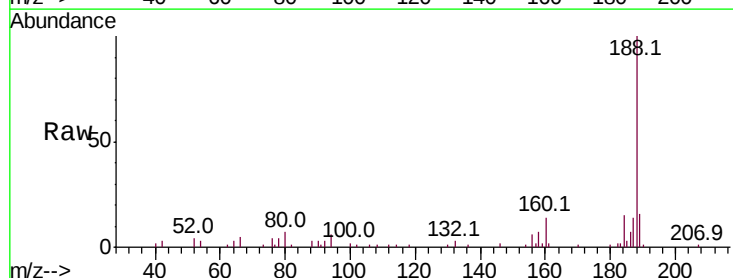


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

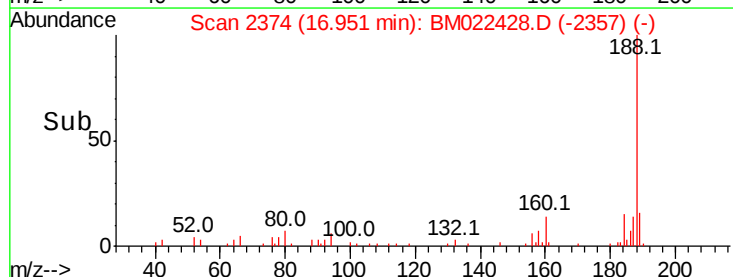
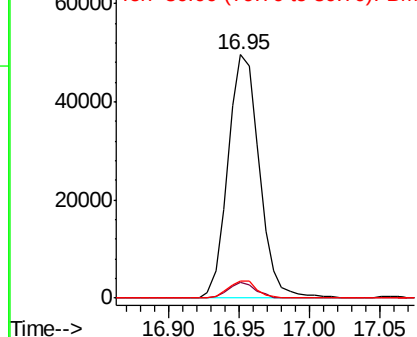


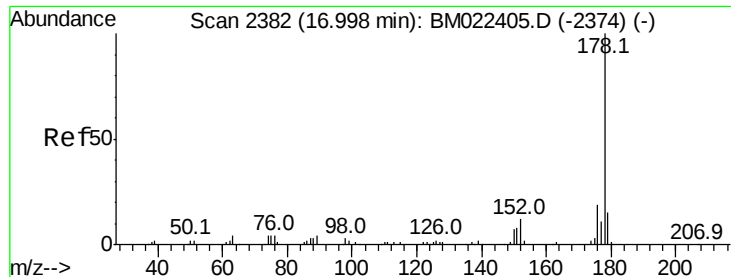
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.95 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

Tgt Ion:188	Resp:	76889
Ion Ratio	Lower	Upper
188 100		
94 6.3	4.4	6.6
80 7.1	5.0	7.6



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0





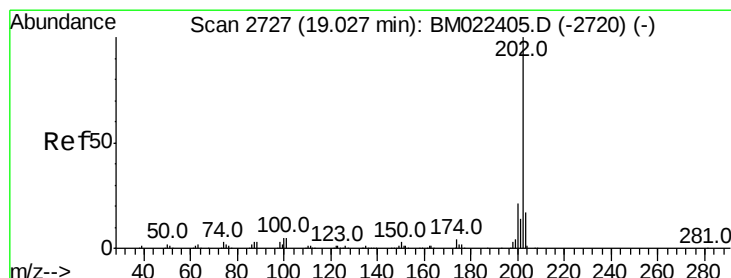
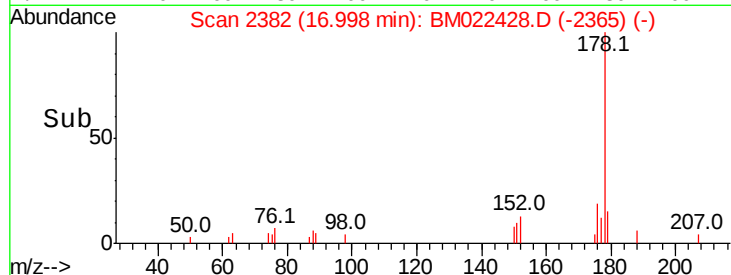
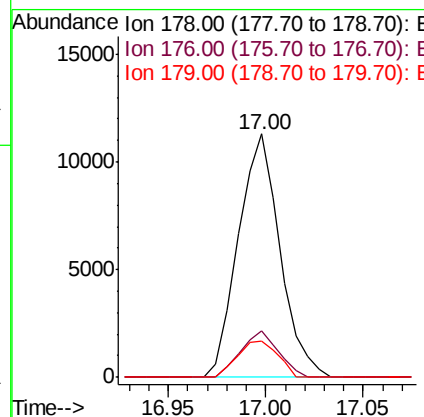
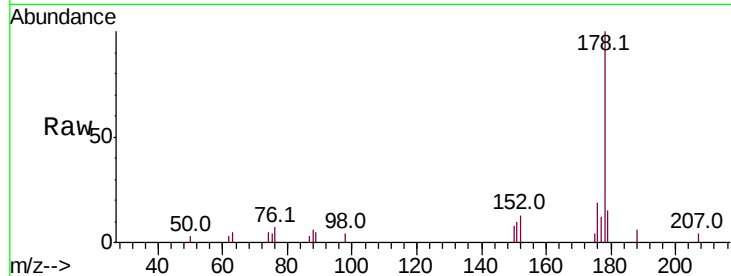
#71
Phenanthrene
Concen: 3.722 ng
RT: 17.00 min Scan# 2382
Delta R.T. -0.00 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

Instrument :
BNA_M
ClientSampleId :
S403-K1-1.0-1.5-082819

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	14.7	12.3	18.5

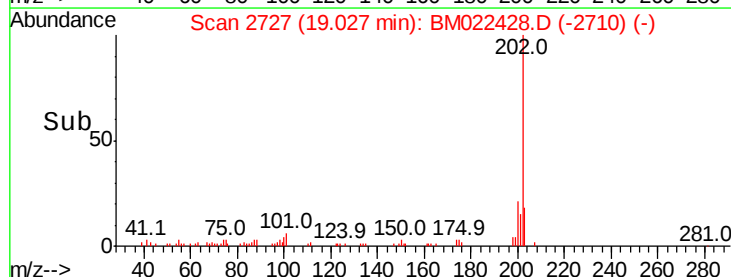
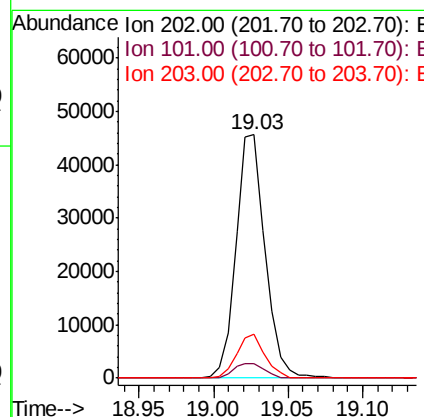
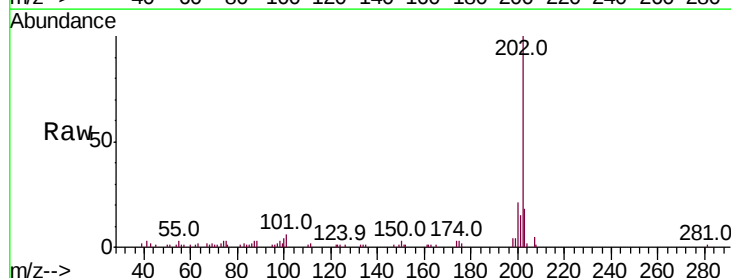
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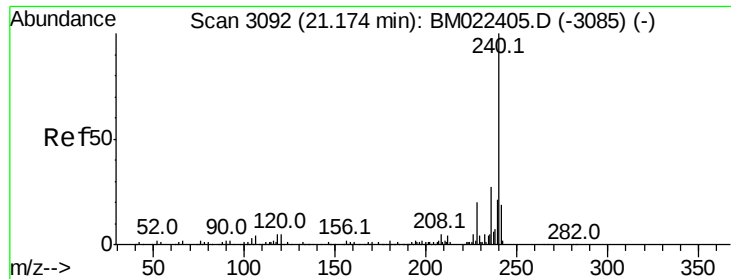
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#75
Fluoranthene
Concen: 10.443 ng
RT: 19.03 min Scan# 2727
Delta R.T. -0.00 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.1	0.0	25.1
203	18.0	0.0	37.1





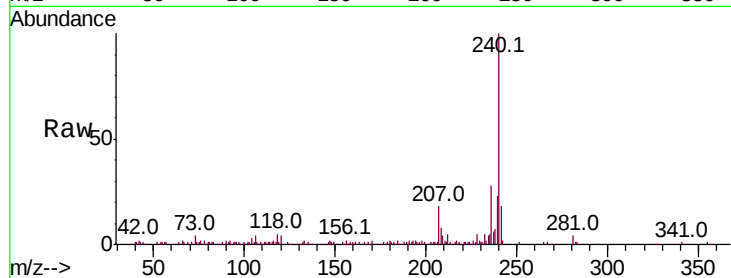
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.17 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

Instrument :
BNA_M
ClientSampleId :
S403-K1-1.0-1.5-082819

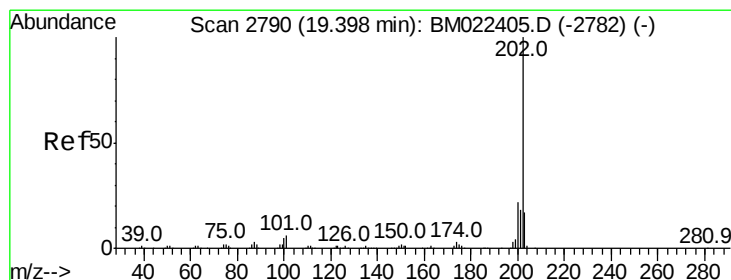
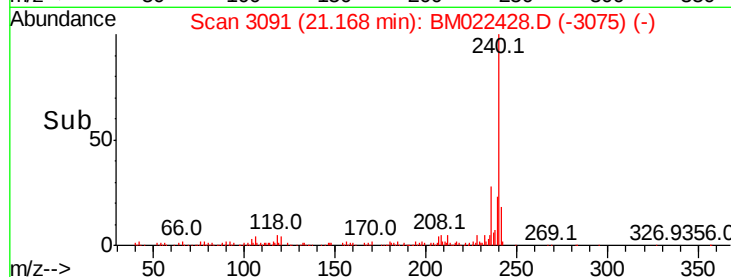
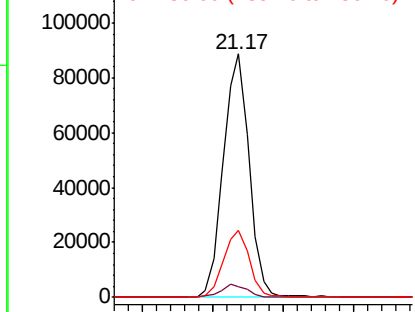
Tot Ion	Ratio	Lower	Upper
240	100		
120	4.5	3.9	5.9
236	27.7	21.4	32.2

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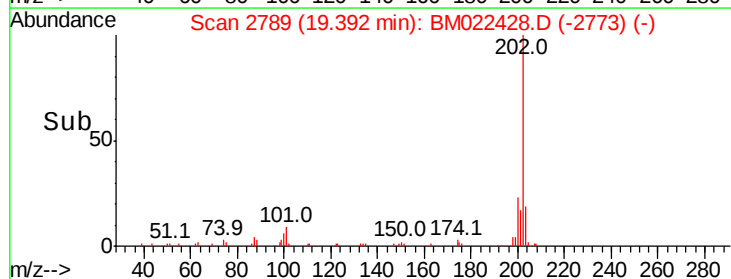
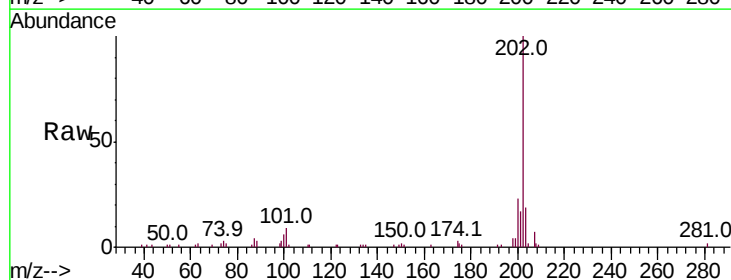
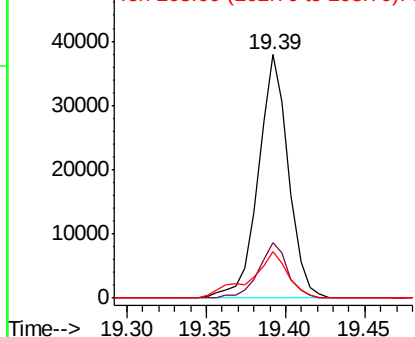
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

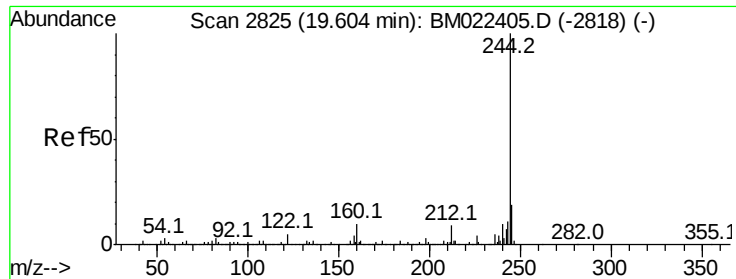


#78
Pyrene
Concen: 6.542 ng
RT: 19.39 min Scan# 2789
Delta R.T. -0.01 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.7	26.5
203	19.0	13.8	20.8

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





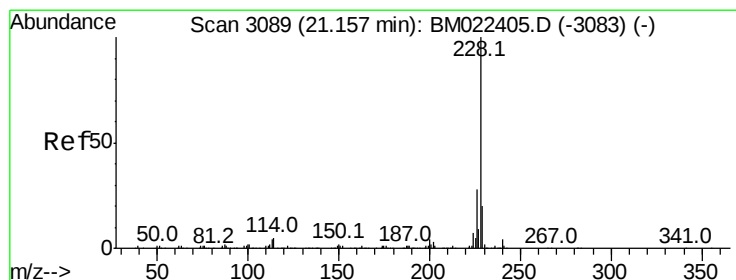
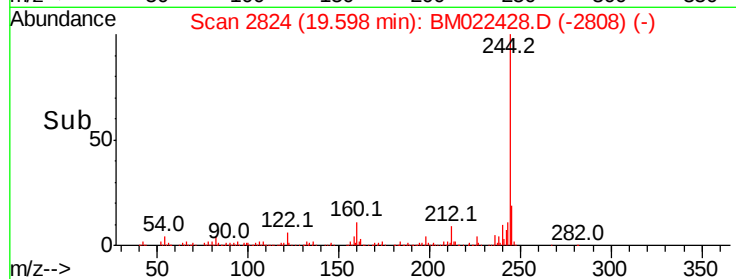
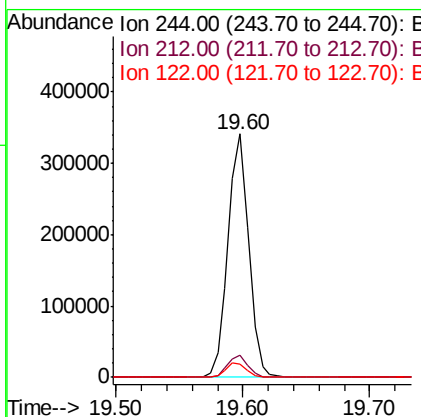
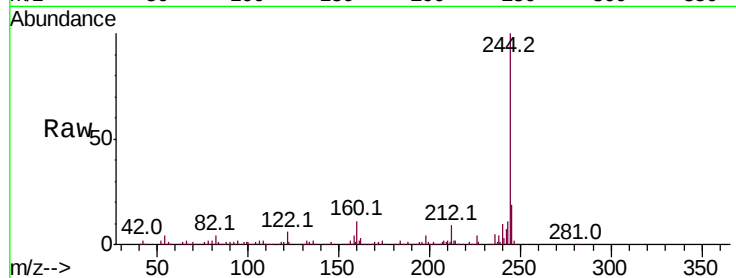
#79
 Terphenyl-d14
 Concen: 45.201 ng
 RT: 19.60 min Scan# 2824
 Delta R.T. -0.01 min
 Lab File: BM022428.D
 Acq: 30 Aug 2019 03:27

Instrument :
 BNA_M
 ClientSampleId :
 S403-K1-1.0-1.5-082819

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.0	10.4
122	5.6	3.9	5.9

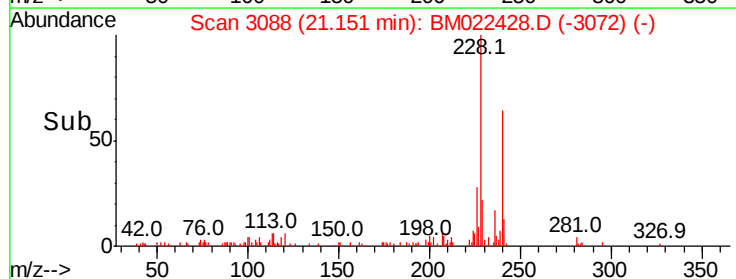
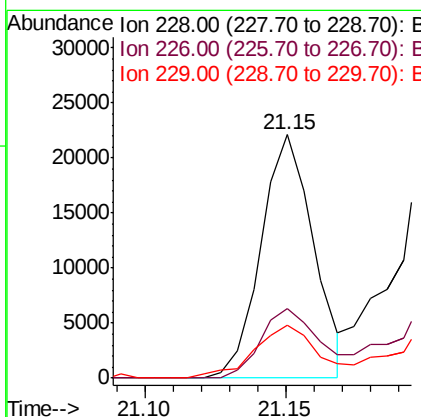
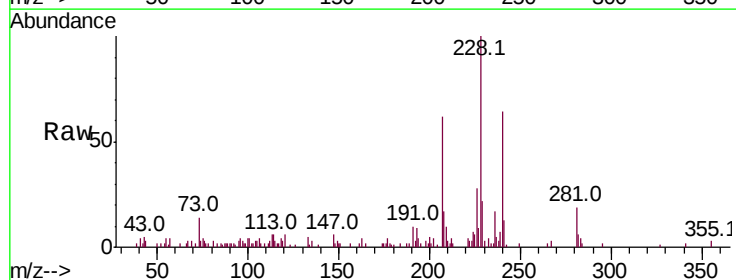
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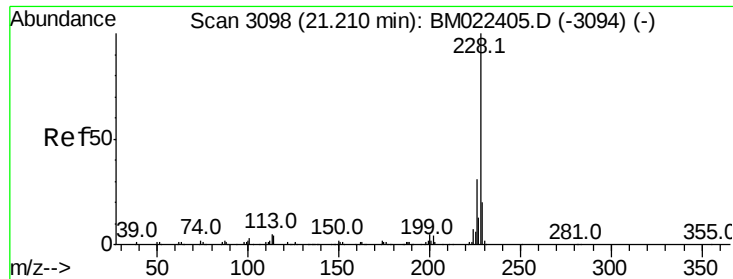
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#81
 Benzo(a)anthracene
 Concen: 3.535 ng
 RT: 21.15 min Scan# 3088
 Delta R.T. -0.01 min
 Lab File: BM022428.D
 Acq: 30 Aug 2019 03:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	34.0
229	21.5	15.9	23.9





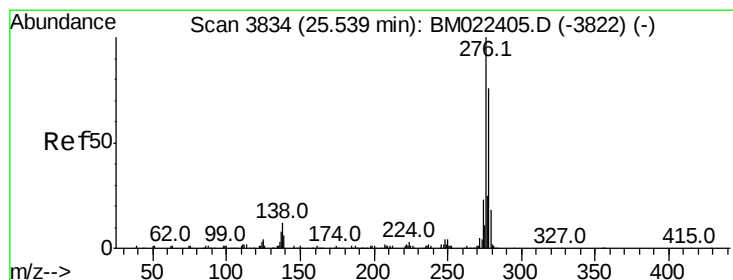
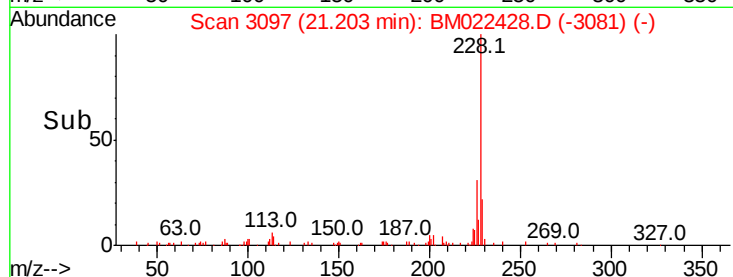
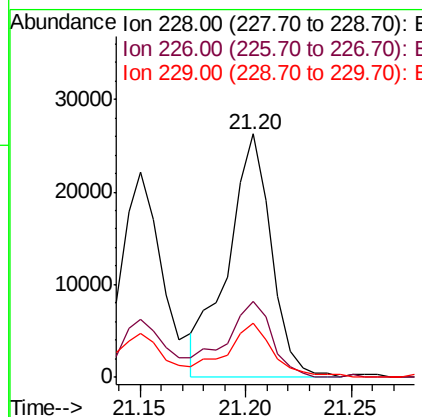
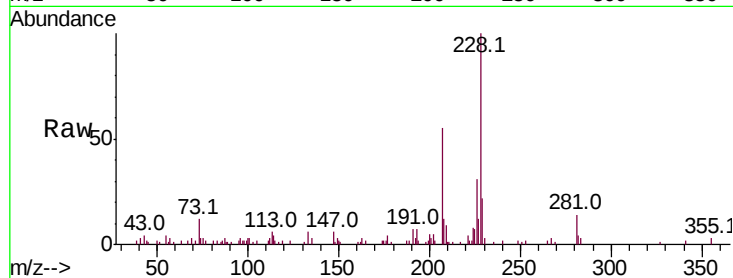
#83
Chrysene
Concen: 4.863 ng
RT: 21.20 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

Instrument :
BNA_M
ClientSampleId :
S403-K1-1.0-1.5-082819

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.5	36.7
229	22.0	15.7	23.5

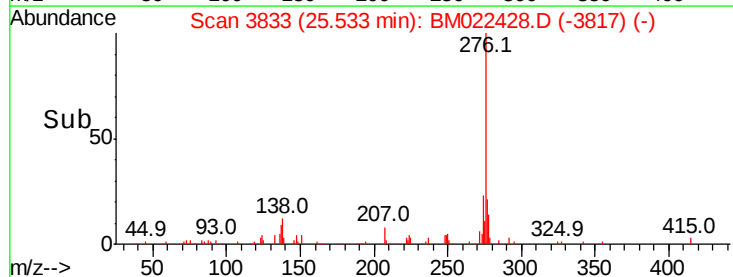
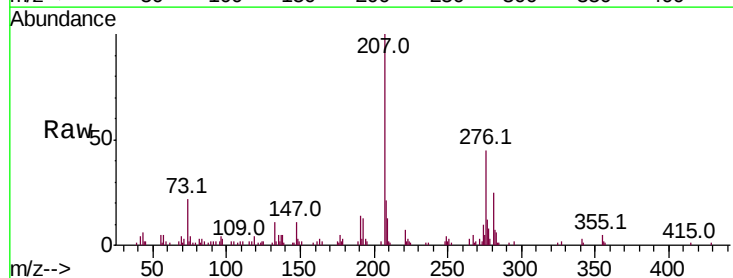
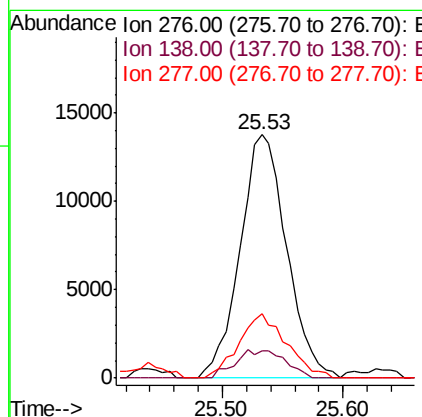
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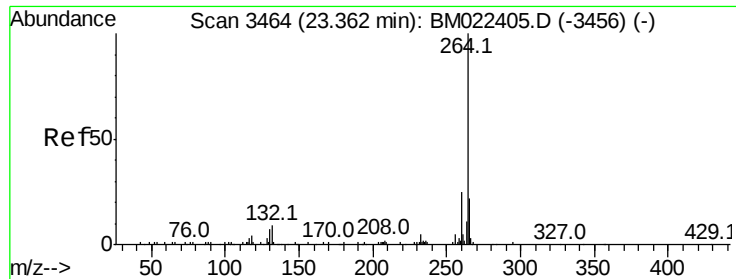
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.771 ng
RT: 25.53 min Scan# 3833
Delta R.T. -0.01 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.3	9.1	13.7
277	27.0	20.0	30.0





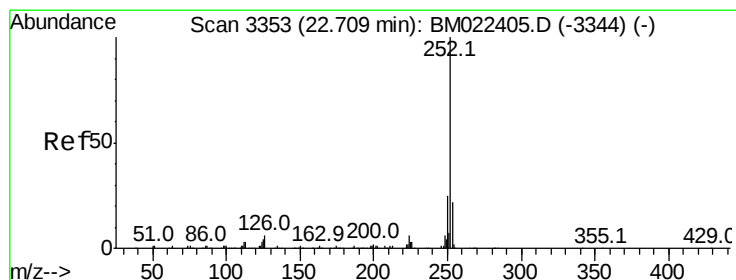
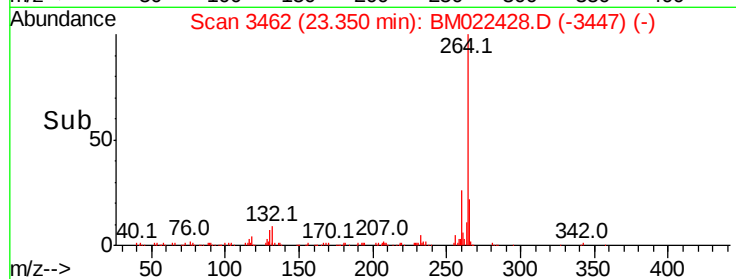
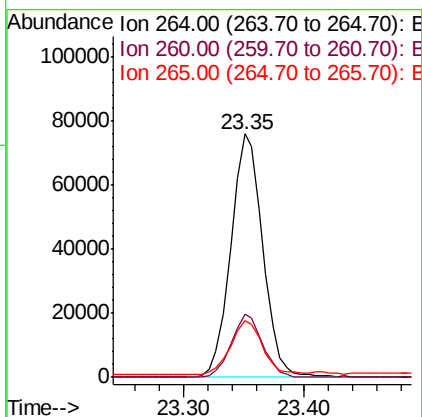
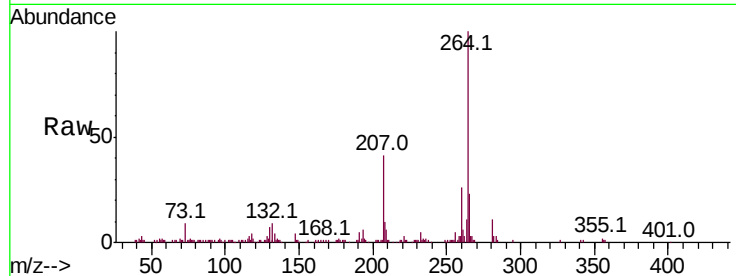
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.35 min Scan# 3462
Delta R.T. -0.01 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

Instrument :
BNA_M
ClientSampleId :
S403-K1-1.0-1.5-082819

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.2	30.2
265	23.1	18.2	27.2

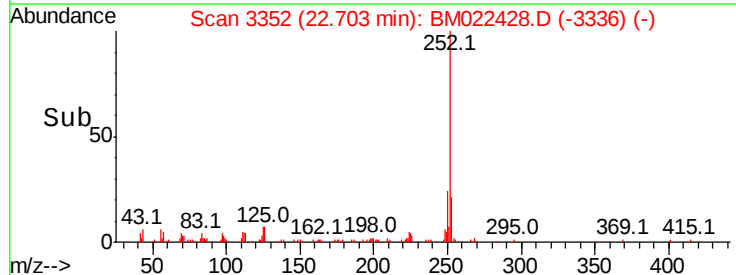
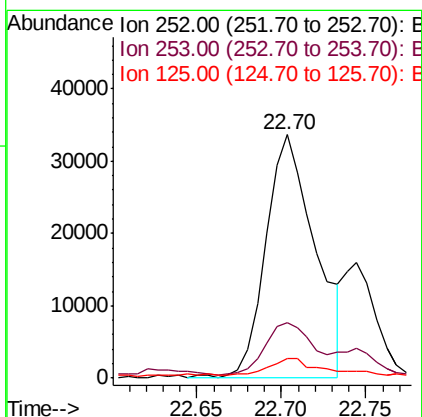
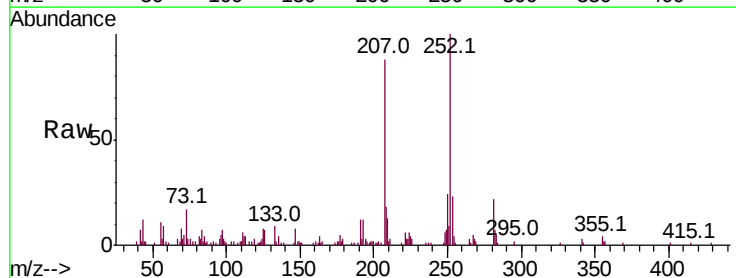
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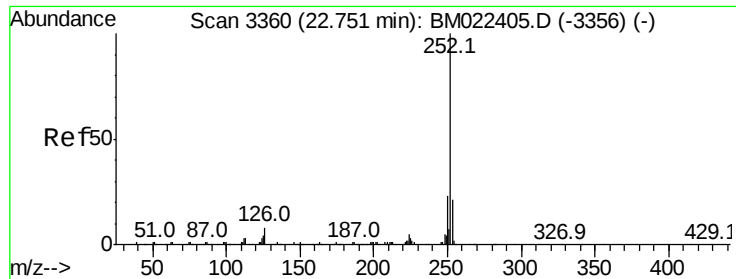
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#88
Benzo(b)fluoranthene
Concen: 7.047 ng
RT: 22.70 min Scan# 3352
Delta R.T. -0.01 min
Lab File: BM022428.D
Acq: 30 Aug 2019 03:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	7.9	3.5	5.3





#89

Benzo(k)fluoranthene

Concen: 2.107 ng/mL

RT: 22.74 min Scan# 3359

Delta R.T. -0.01 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

Instrument :

BNA_M

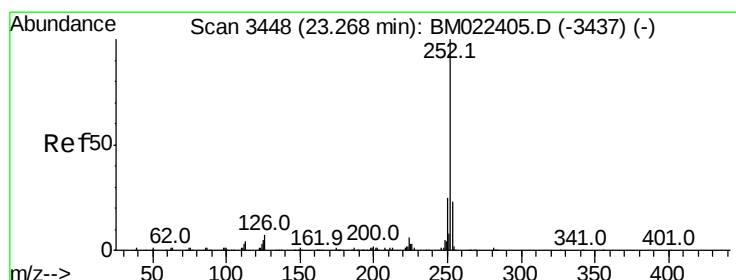
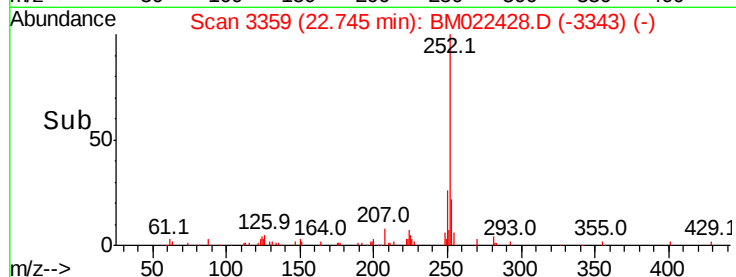
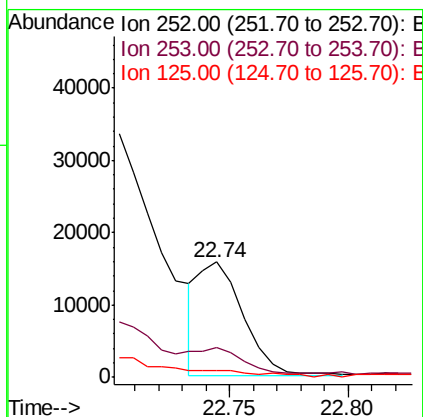
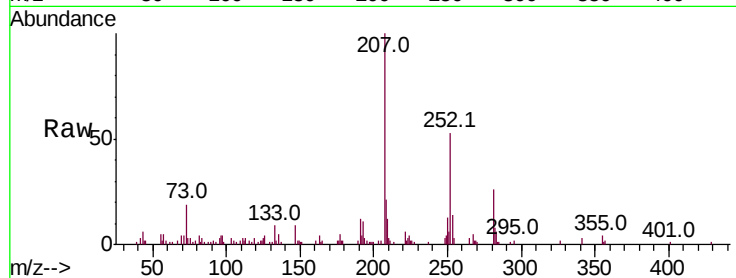
ClientSampleId :

S403-K1-1.0-1.5-082819

Tot Ion:	252	Resp:	20343
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.0	25.4#
125	5.6	3.7	5.5#

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#90

Benzo(a)pyrene

Concen: 4.381 ng/mL

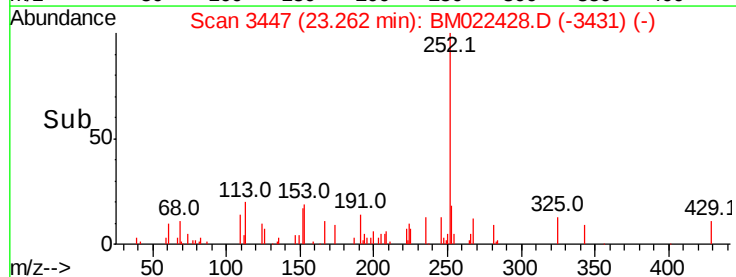
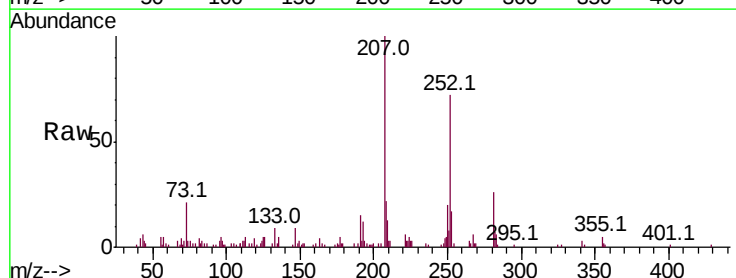
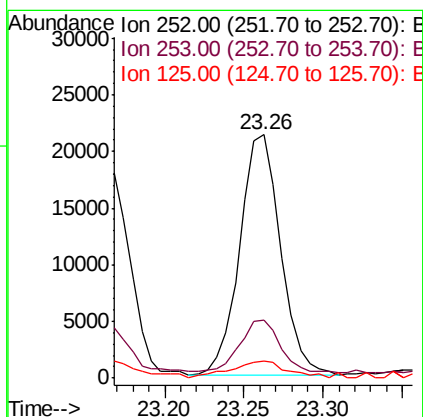
RT: 23.26 min Scan# 3447

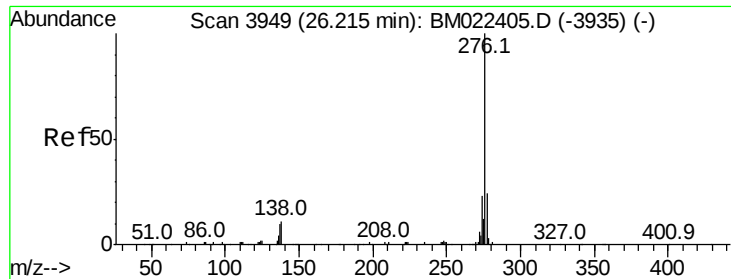
Delta R.T. -0.01 min

Lab File: BM022428.D

Acq: 30 Aug 2019 03:27

Tgt Ion:	252	Resp:	37847
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.2	27.2
125	7.1	3.8	5.8#





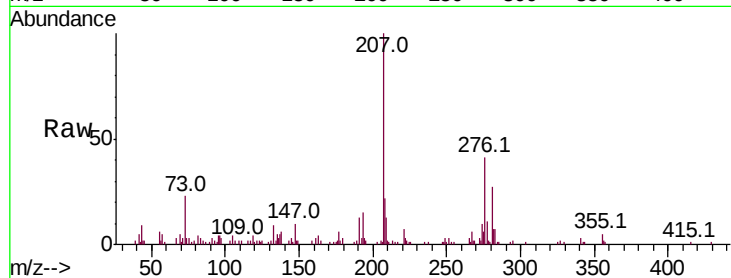
#92
 Benzo(a,h,i)perylene
 Concen: 4.826 ng
 RT: 26.20 min Scan# 3947
 Delta R.T. -0.01 min
 Lab File: BM022428.D
 Acq: 30 Aug 2019 03:27

Instrument :
 BNA_M
 ClientSampleId :
 S403-K1-1.0-1.5-082819

Tot Ion:	276	Resp:	36237
Ion Ratio	Lower	Upper	
276	100		
277	26.8	19.4	29.0
138	13.9	8.8	13.2#

Manual Integrations
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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

