

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061120\
 Data File : BM026353.D
 Acq On : 11 Jun 2020 13:18
 Operator : JU/CG
 Sample : L2946-05 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CUTTINGS

Manual Integrations
 APPROVED

mohammad
 6/15/2020 8:43:19 AM

Quant Time: Jun 11 15:30:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 14:46:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	151671	20.00	ng	-0.01
21) Naphthalene-d8	10.17	136	585918	20.00	ng	-0.01
39) Acenaphthene-d10	14.07	164	331813	20.00	ng	-0.01
64) Phenanthrene-d10	16.83	188	684816	20.00	ng	0.00
76) Chrysene-d12	21.03	240	756620	20.00	ng	-0.01
86) Perylene-d12	23.14	264	853913	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	189321	22.07	ng	-0.01
7) Phenol-d6	6.62	99	249203	20.06	ng	-0.01
23) Nitrobenzene-d5	8.56	82	163887	13.73	ng	-0.01
42) 2,4,6-Tribromophenol	15.57	330	84394	21.00	ng	-0.01
45) 2-Fluorobiphenyl	12.68	172	336961	15.42	ng	-0.01
79) Terphenyl-d14	19.48	244	514857	13.21	ng	-0.01

Target Compounds				Qvalue		
50) Dimethylphthalate	13.55	163	68045	2.804	ng	99
52) Acenaphthene	14.13	154	43243	2.383	ng	98
58) Fluorene	15.13	166	66394	2.796	ng	96
71) Phenanthrene	16.87	178	775834	21.755	ng	99
72) Anthracene	16.96	178	211178	5.933	ng	100
75) Fluoranthene	18.89	202	1156966	28.297	ng	100
78) Pyrene	19.26	202	1087786	21.759	ng	100
81) Benzo(a)anthracene	21.02	228	592719	13.051	ng	98
83) Chrysene	21.07	228	538573	12.444	ng	97
87) Indeno(1,2,3-cd)pyrene	25.19	276	351837	7.123	ng	96
88) Benzo(b)fluoranthene	22.52	252	710712m	13.836	ng	
89) Benzo(k)fluoranthene	22.56	252	266940m	5.349	ng	
90) Benzo(a)pyrene	23.04	252	550567	12.068	ng	97
91) Dibenzo(a,h)anthracene	25.19	278	95144	2.307	ng	# 74
92) Benzo(a,h,i)perylene	25.81	276	349424	8.904	ng	97

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

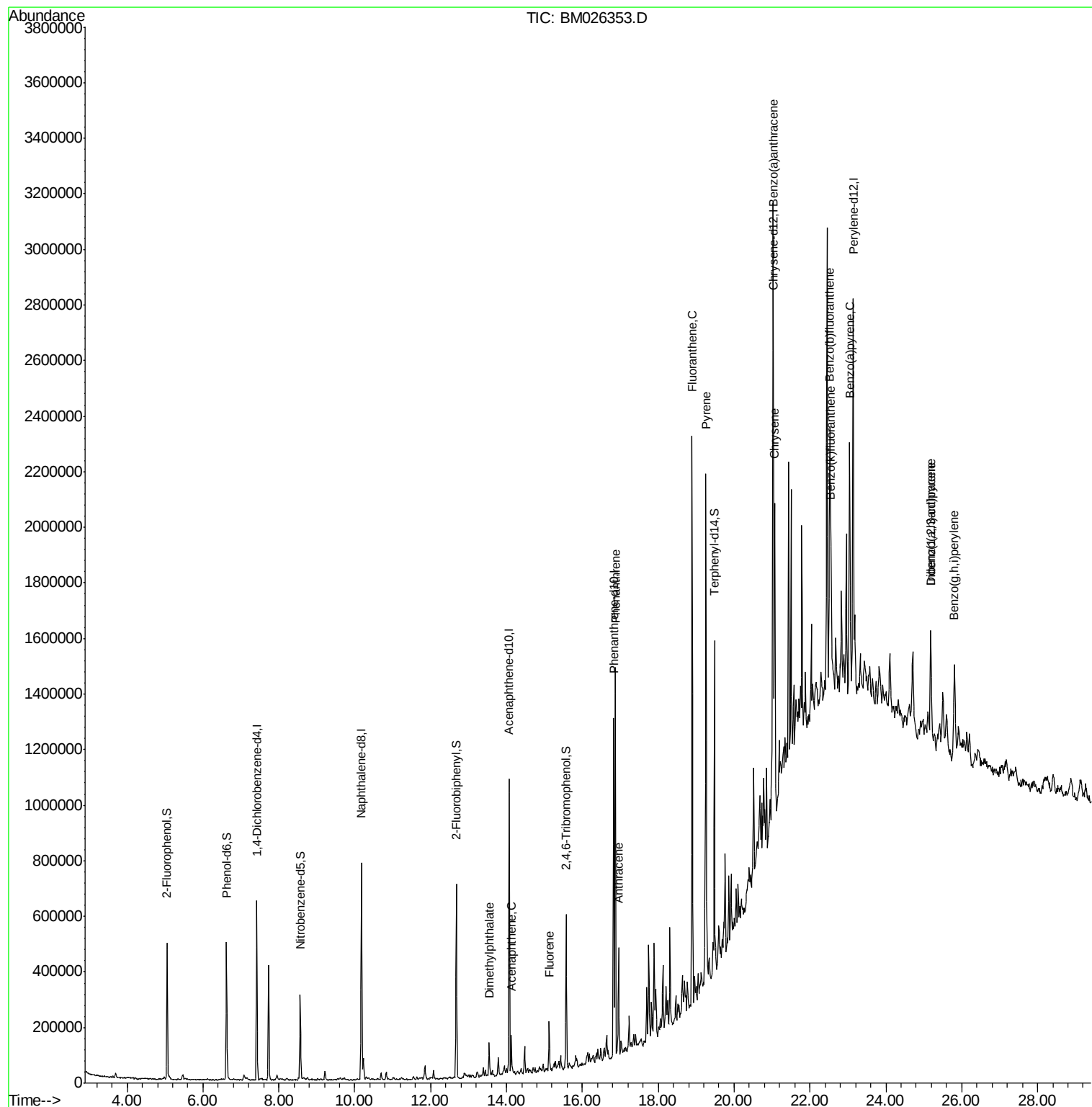
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061120\
Data File : BM026353.D
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ALS Vial : 6 Sample Multiplier: 1

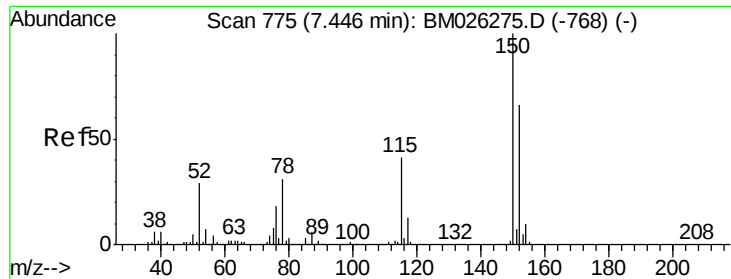
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

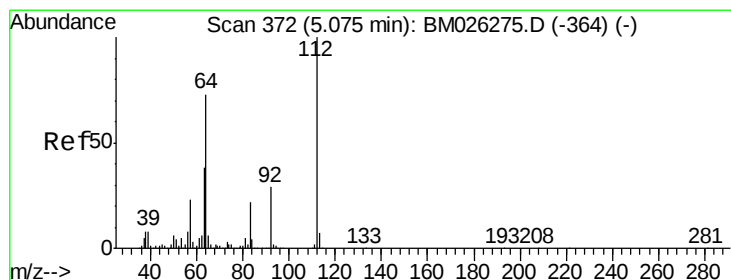
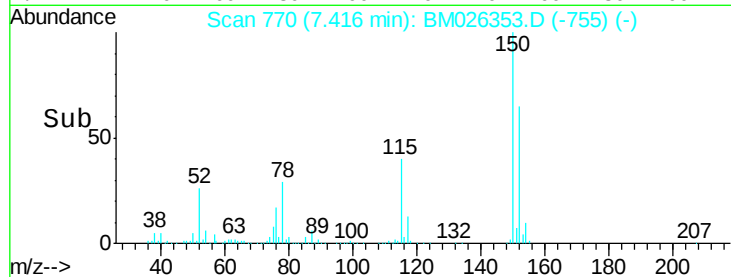
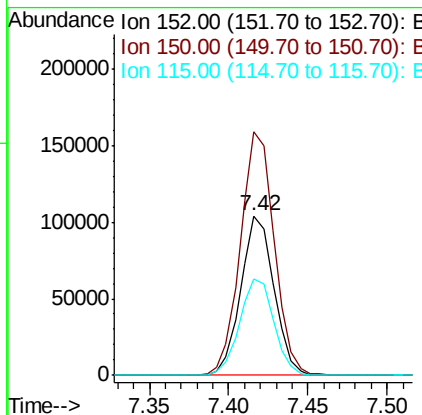
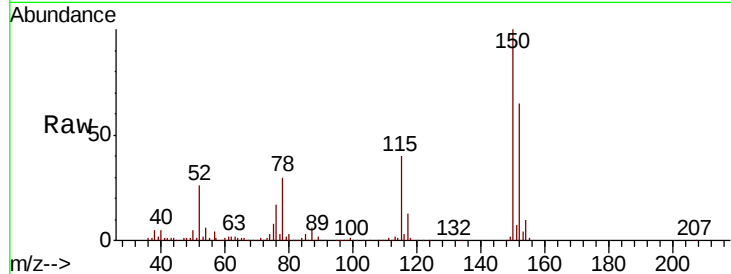
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.42 min Scan# 770
Delta R.T. -0.01 min
Lab File: BM026353.D
Acq: 11 Jun 2020 13:18

Instrument :
BNA_M
ClientSampleId :
CUTTINGS

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	122.1	183.1
115	60.8	49.7	74.5

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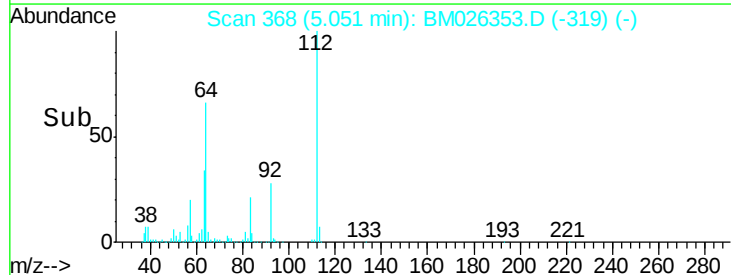
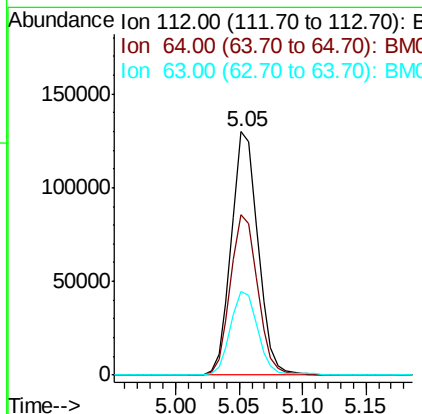
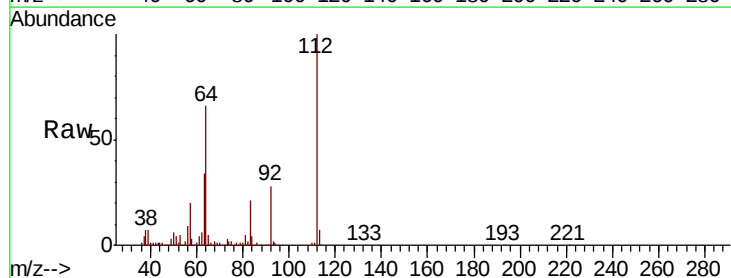
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#5

2-Fluorophenol
Concen: 22.069 ng
RT: 5.05 min Scan# 368
Delta R.T. -0.01 min
Lab File: BM026353.D
Acq: 11 Jun 2020 13:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	58.1	87.1
63	34.3	30.6	45.8





#7

Phenol-d6

Concen: 20.061 ng

RT: 6.62 min Scan# 635

Delta R.T. -0.01 min

Lab File: BM026353.D

Acq: 11 Jun 2020 13:18

Instrument :

BNA_M

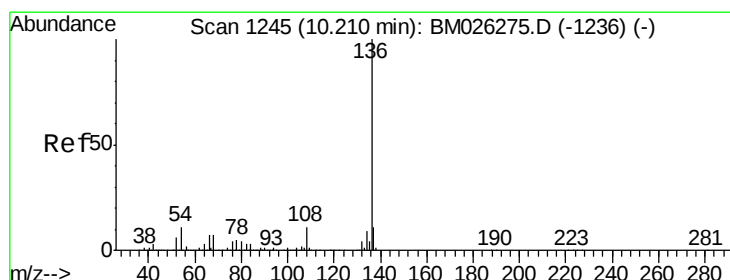
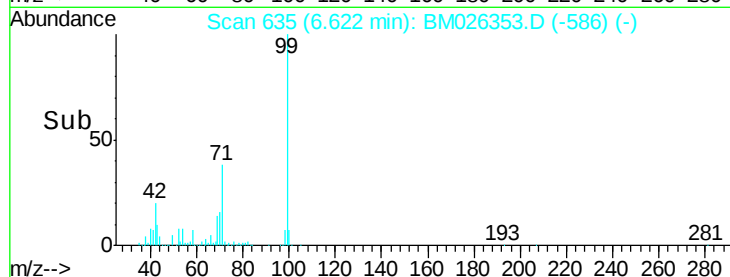
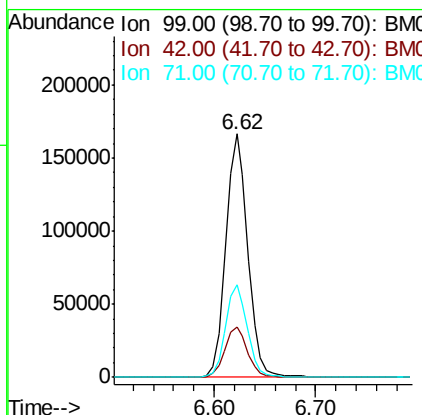
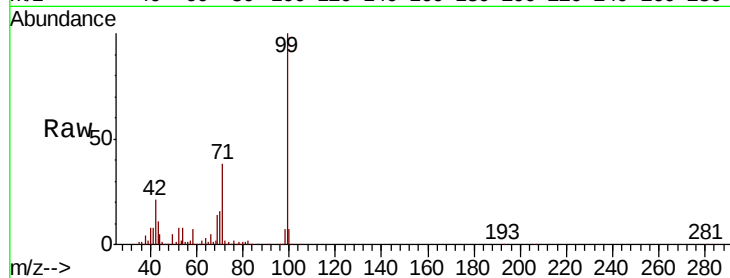
ClientSampleId :

CUTTINGS

Tot Ion:	99	Resp:	249203
Ion Ratio	Lower	Upper	
99	100		
42	20.6	18.0	27.0
71	37.8	30.6	45.8

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#21

Naphthalene-d8

Concen: 20.000 ng

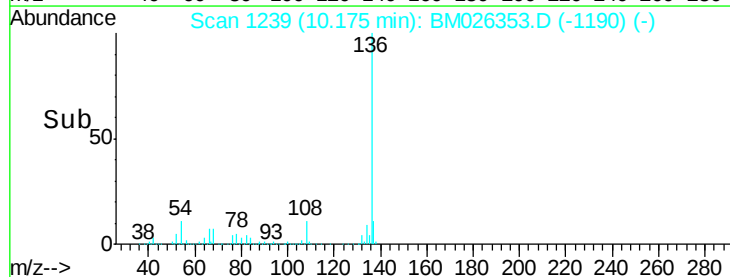
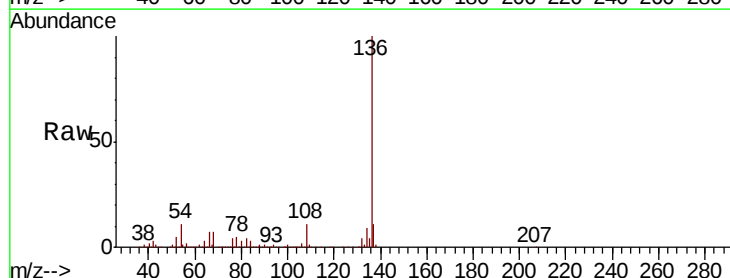
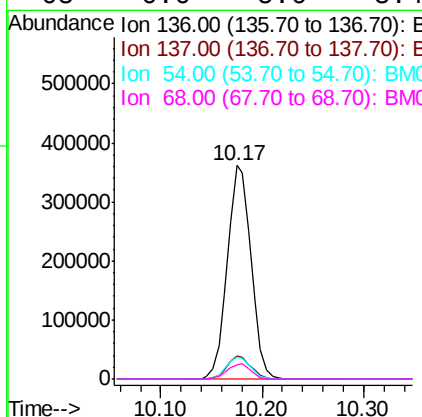
RT: 10.17 min Scan# 1239

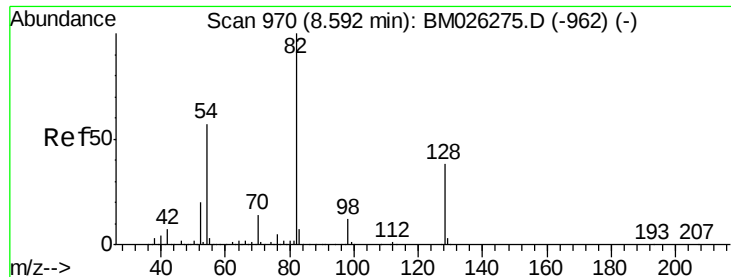
Delta R.T. -0.01 min

Lab File: BM026353.D

Acq: 11 Jun 2020 13:18

Tgt Ion:	136	Resp:	585918
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	13.0
54	10.5	9.0	13.4
68	6.6	5.6	8.4





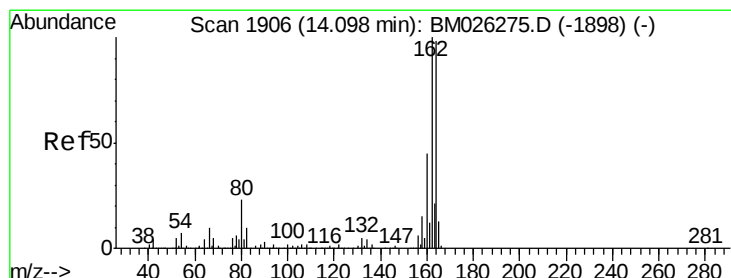
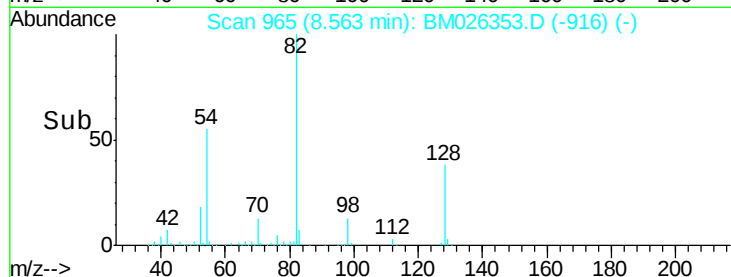
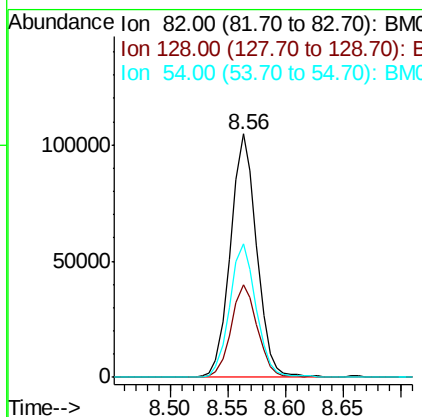
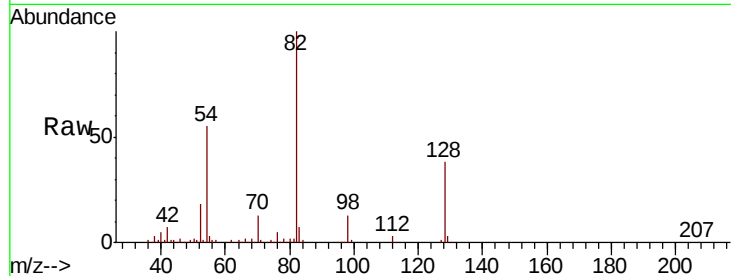
#23
 Nitrobenzene-d5
 Concen: 13.734 ng
 RT: 8.56 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: BM026353.D
 Acq: 11 Jun 2020 13:18

Instrument :
 BNA_M
 ClientSampled :
 CUTTINGS

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.0	30.3	45.5
54	54.6	45.4	68.2

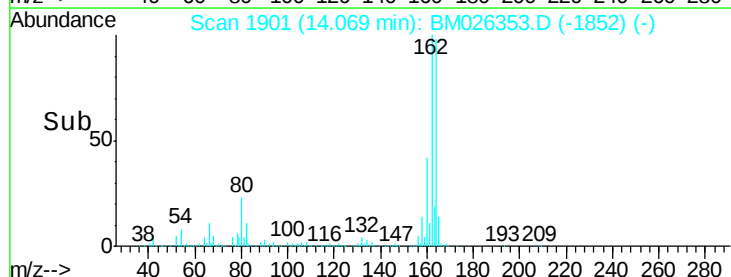
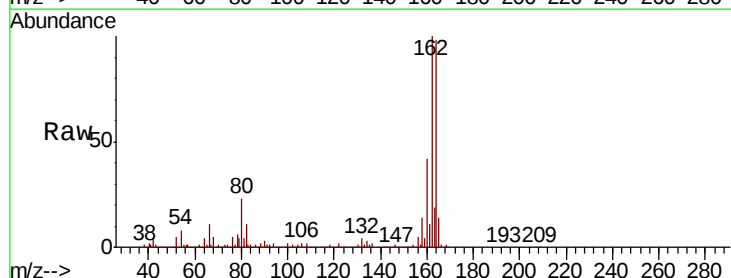
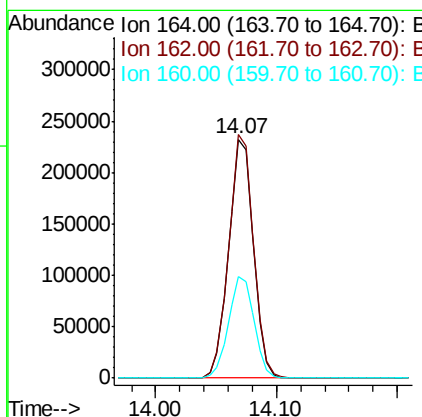
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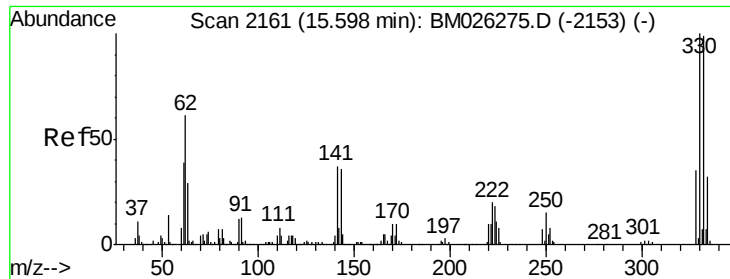
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.07 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: BM026353.D
 Acq: 11 Jun 2020 13:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.4	122.2
160	42.5	36.4	54.6





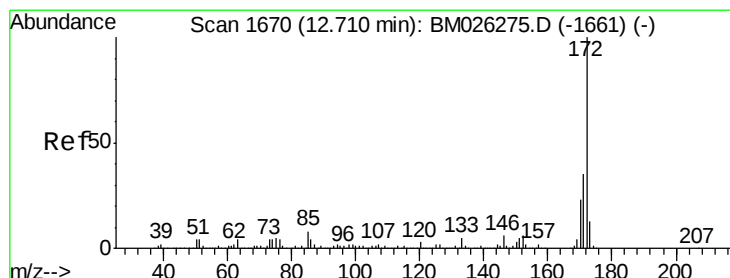
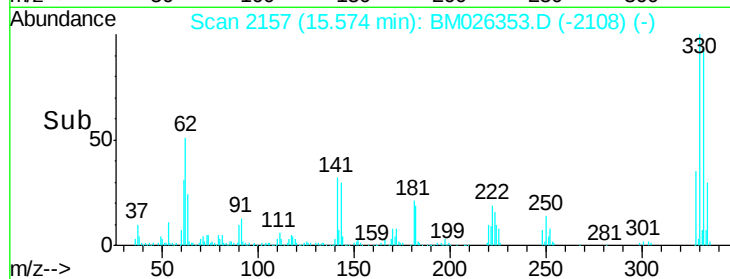
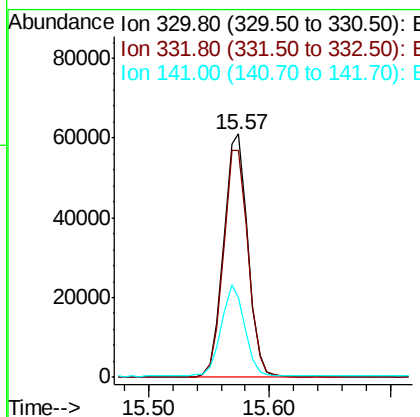
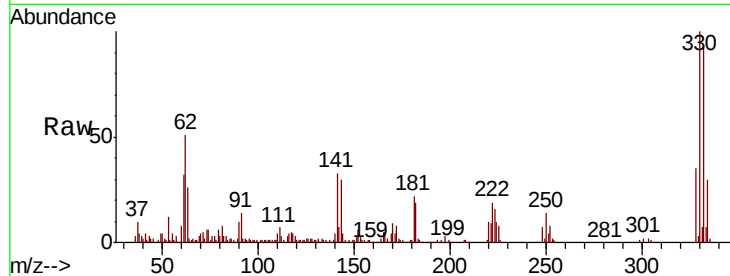
#42
 2,4,6-Tribromophenol
 Concen: 20.997 ng
 RT: 15.57 min Scan# 2157
 Delta R.T. -0.01 min
 Lab File: BM026353.D
 Acq: 11 Jun 2020 13:18

Instrument :
 BNA_M
 ClientSampleId :
 CUTTINGS

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.1	117.1
141	36.8	30.0	45.0

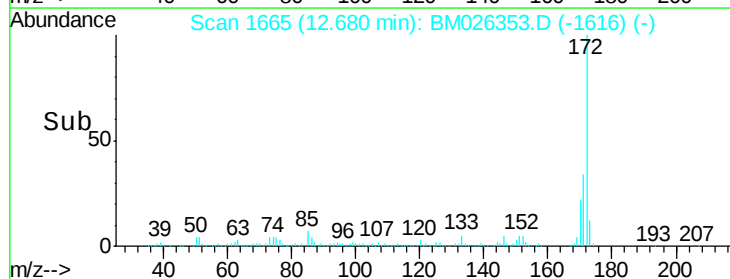
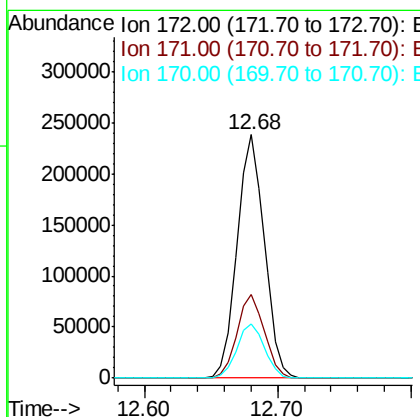
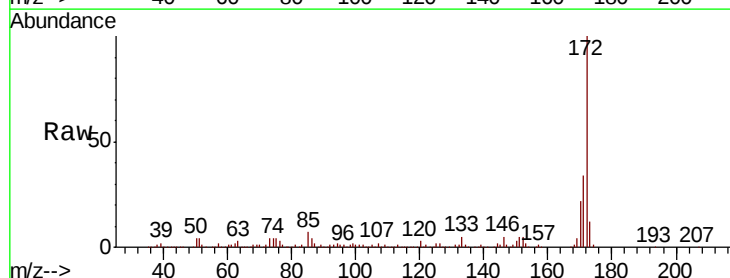
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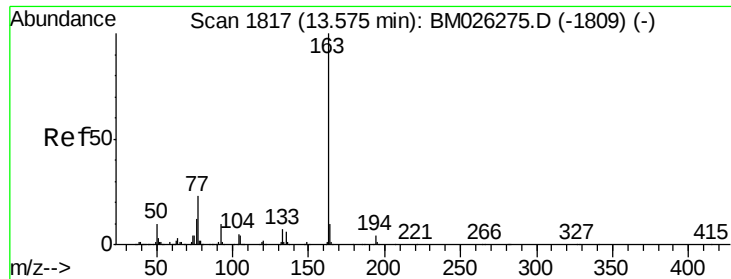
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#45
 2-Fluorobiphenyl
 Concen: 15.415 ng
 RT: 12.68 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: BM026353.D
 Acq: 11 Jun 2020 13:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.2	42.2
170	22.2	18.3	27.5





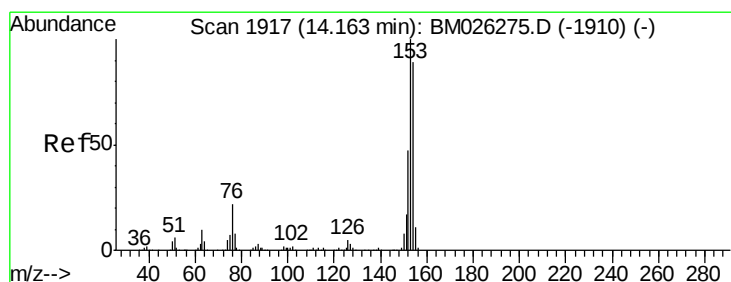
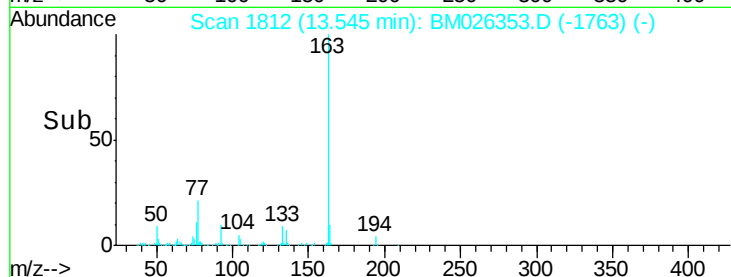
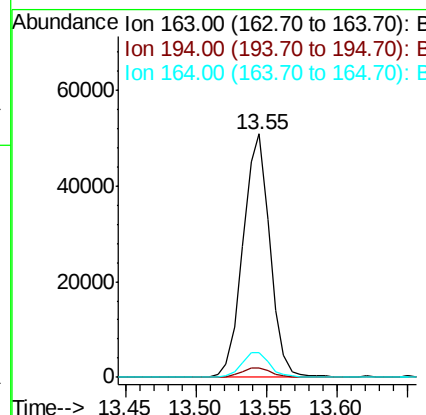
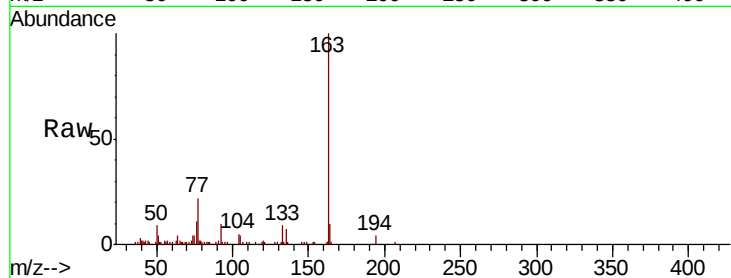
#50
Dimethylphthalate
Concen: 2.804 ng
RT: 13.55 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BM026353.D
Acq: 11 Jun 2020 13:18

Instrument :
BNA_M
ClientSampleId :
CUTTINGS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	68045		
194	4.1		3.4	5.2
164	10.4		8.0	12.0

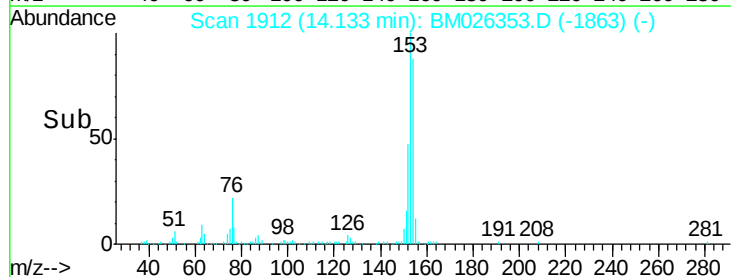
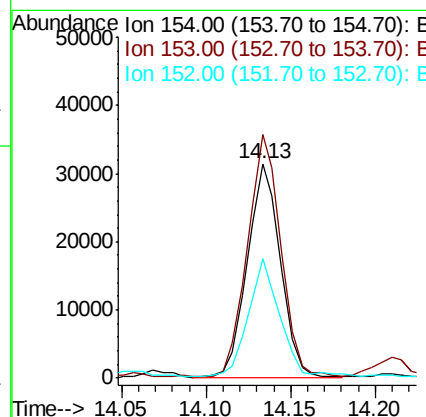
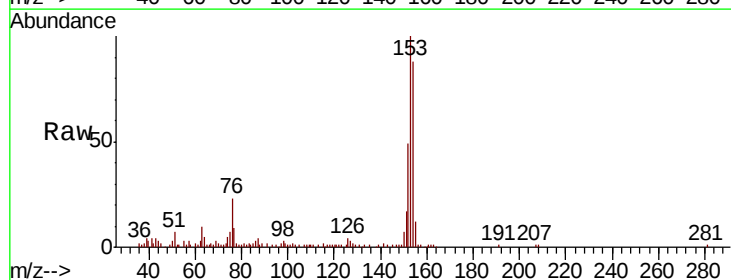
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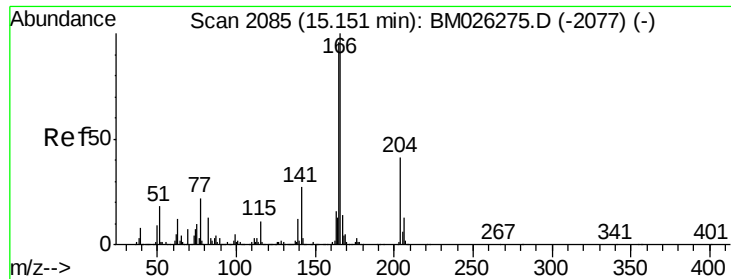
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#52
Acenaphthene
Concen: 2.383 ng
RT: 14.13 min Scan# 1912
Delta R.T. -0.01 min
Lab File: BM026353.D
Acq: 11 Jun 2020 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	43243		
153	113.6		89.6	134.4
152	55.6		42.1	63.1





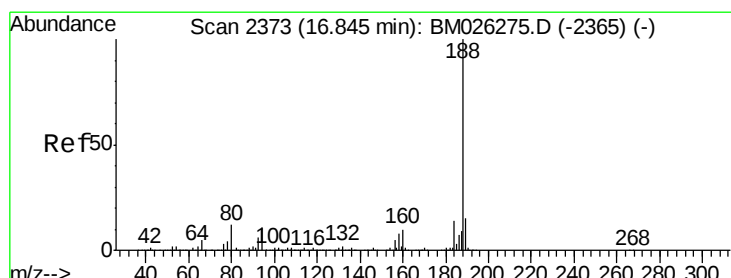
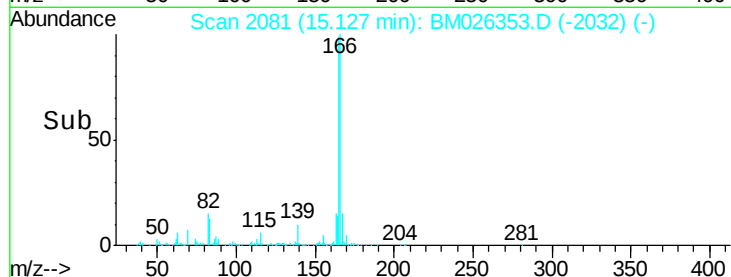
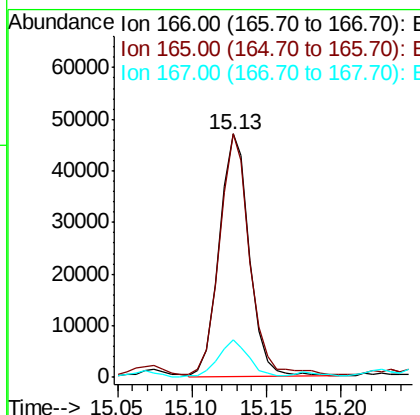
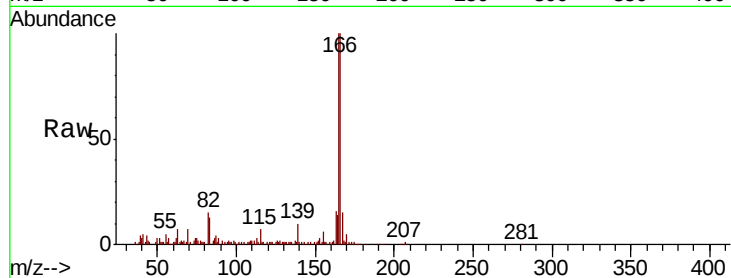
#58
Fluorene
 Concen: 2.796 ng
 RT: 15.13 min Scan# 2081
 Delta R.T. -0.01 min
 Lab File: BM026353.D
 Acq: 11 Jun 2020 13:18

Instrument :
 BNA_M
 ClientSampleId :
 CUTTINGS

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	99.8	76.7	115.1	
167	15.2	11.0	16.4	

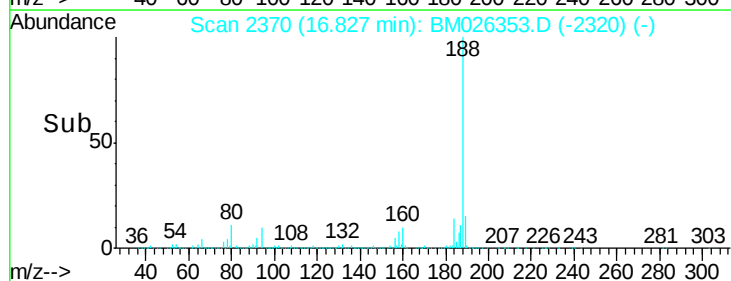
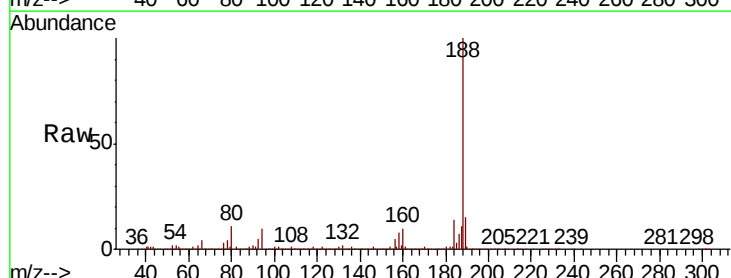
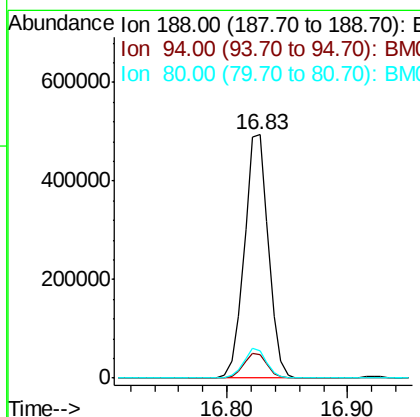
Manual Integrations
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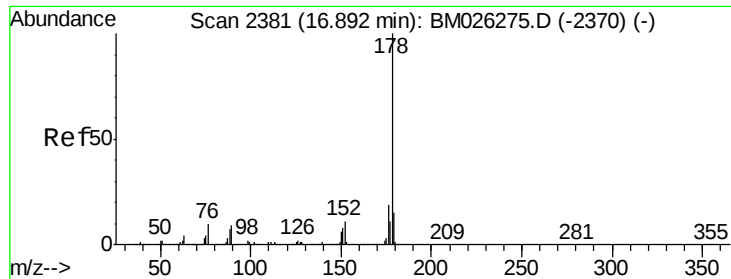
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.83 min Scan# 2370
 Delta R.T. -0.01 min
 Lab File: BM026353.D
 Acq: 11 Jun 2020 13:18

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.6	8.6	12.8	
80	11.3	9.7	14.5	





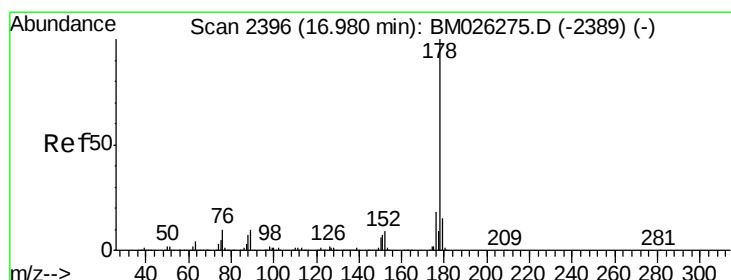
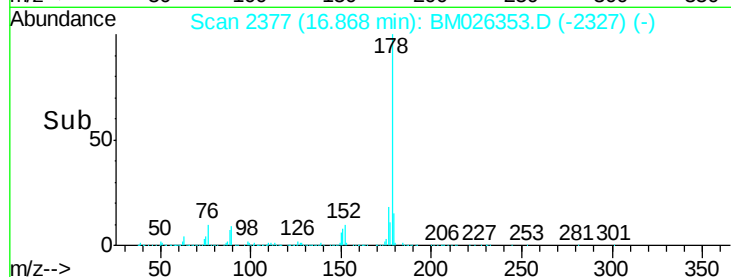
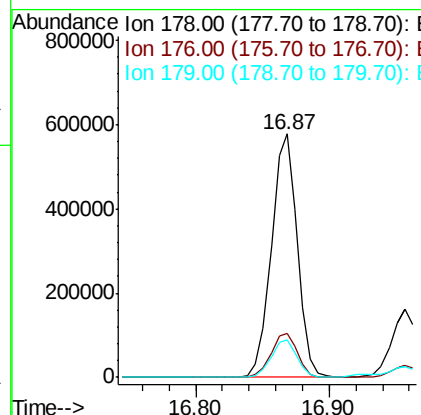
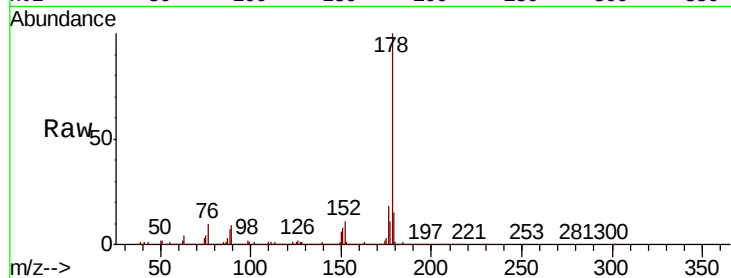
#71
Phenanthrene
Concen: 21.755 ng
RT: 16.87 min Scan# 2377
Delta R.T. -0.01 min
Lab File: BM026353.D
Acq: 11 Jun 2020 13:18

Instrument :
BNA_M
ClientSampleId :
CUTTINGS

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.9	22.3
179	15.3	12.0	18.0

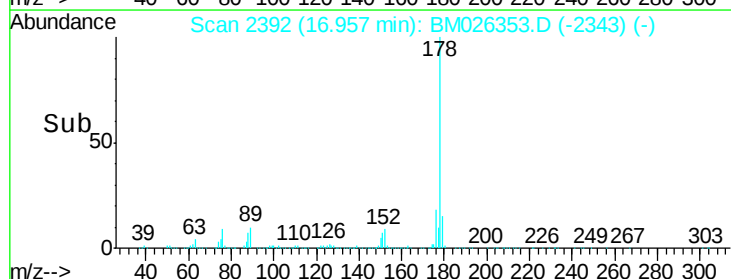
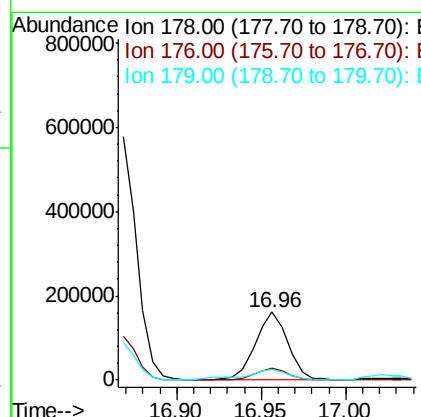
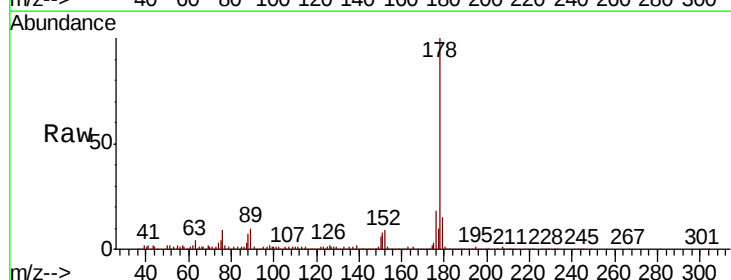
Manual Integrations
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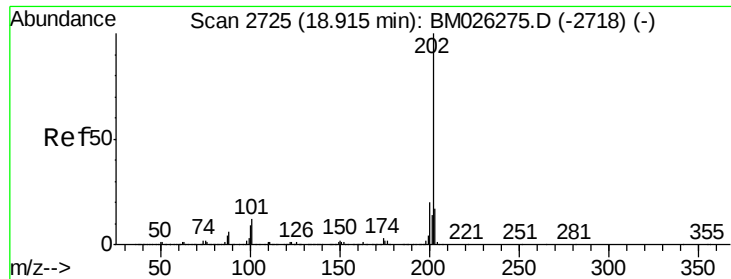
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#72
Anthracene
Concen: 5.933 ng
RT: 16.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BM026353.D
Acq: 11 Jun 2020 13:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.4	21.6
179	15.5	12.2	18.4





#75

Fluoranthene

Concen: 28.297 ng

RT: 18.89 min Scan# 2721

Delta R.T. -0.01 min

Lab File: BM026353.D

Acq: 11 Jun 2020 13:18

Instrument :

BNA_M

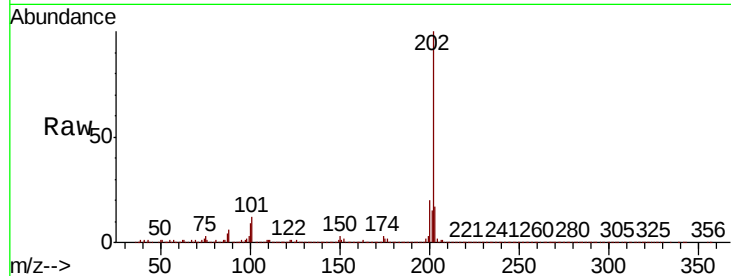
ClientSampleId :

CUTTINGS

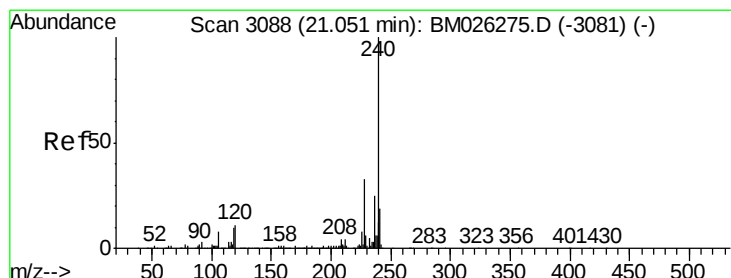
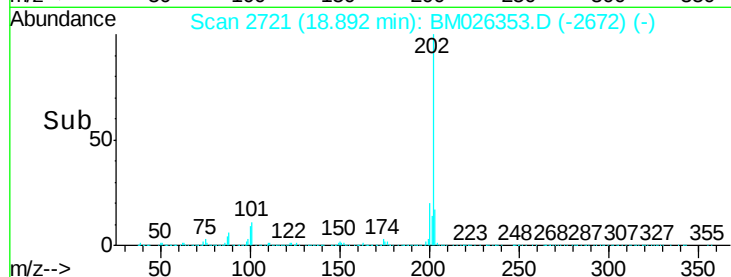
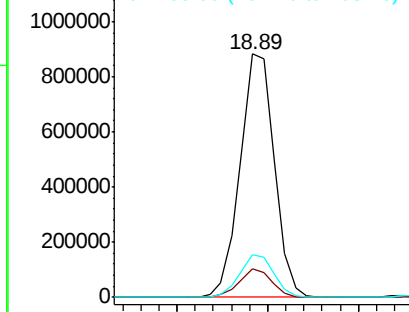
Tot Ion:	202	Resp:	1156966
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	31.6
203	17.4	0.0	37.4

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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

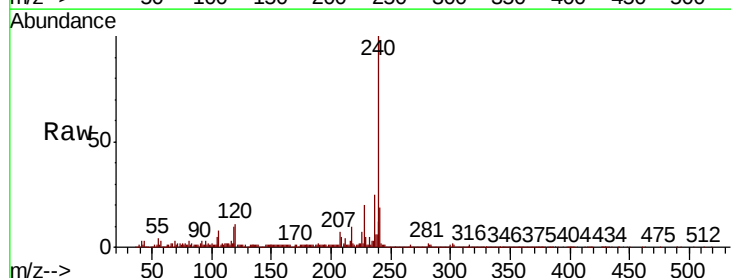
RT: 21.03 min Scan# 3085

Delta R.T. -0.01 min

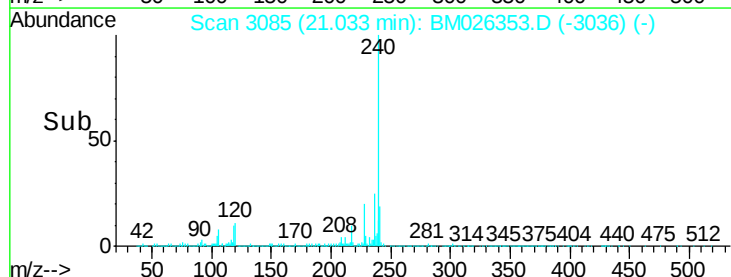
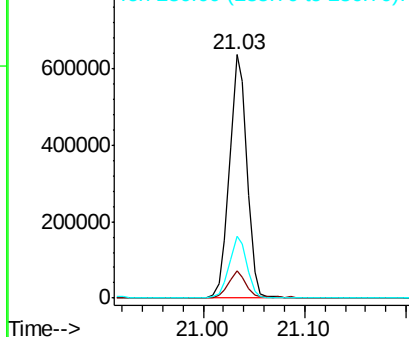
Lab File: BM026353.D

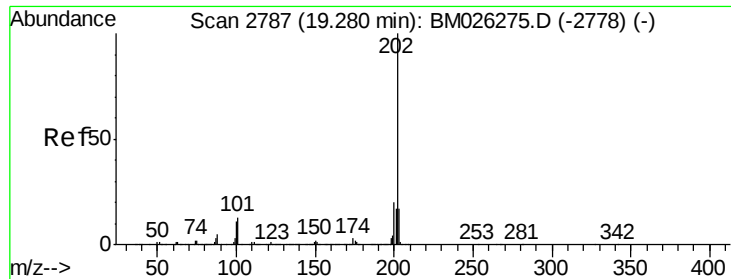
Acq: 11 Jun 2020 13:18

Tgt Ion:	240	Resp:	756620
Ion Ratio	Lower	Upper	
240	100		
120	11.0	8.9	13.3
236	25.2	19.7	29.5



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





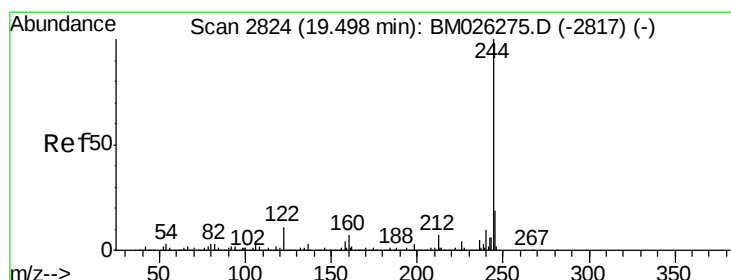
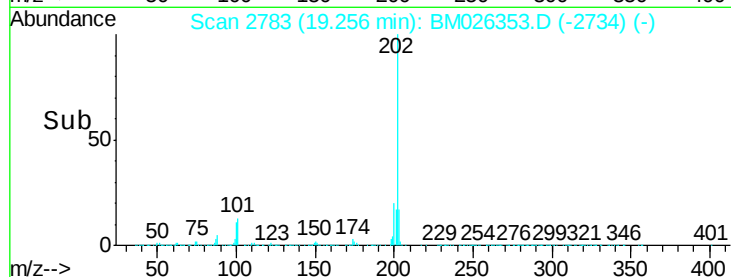
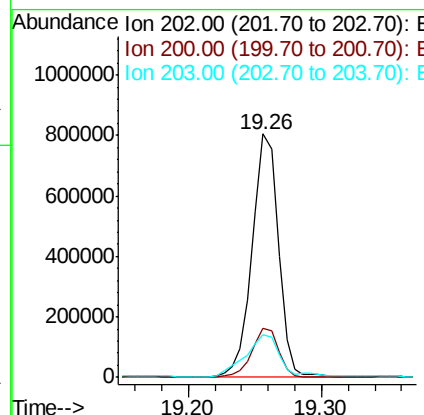
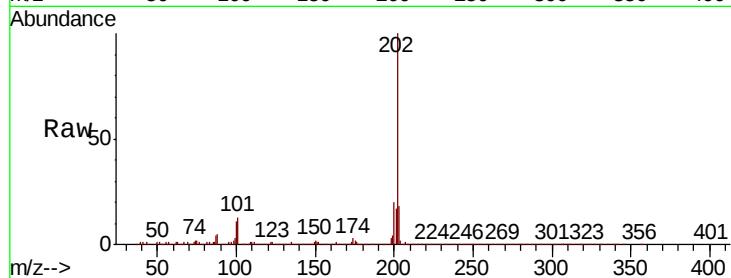
#78
Pvrene
Concen: 21.759 ng
RT: 19.26 min Scan# 2783
Delta R.T. -0.01 min
Lab File: BM026353.D
Acq: 11 Jun 2020 13:18

Instrument :
BNA_M
ClientSampled :
CUTTINGS

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.4
203	17.6	13.8	20.8

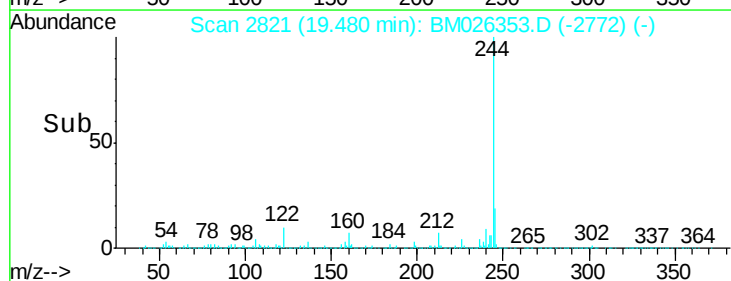
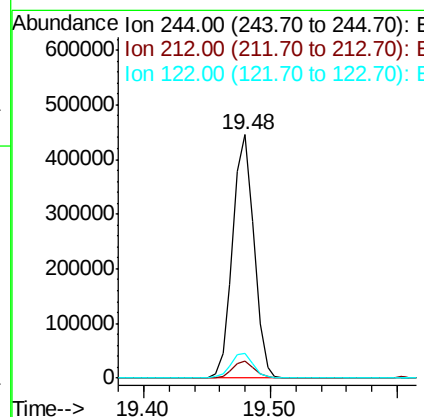
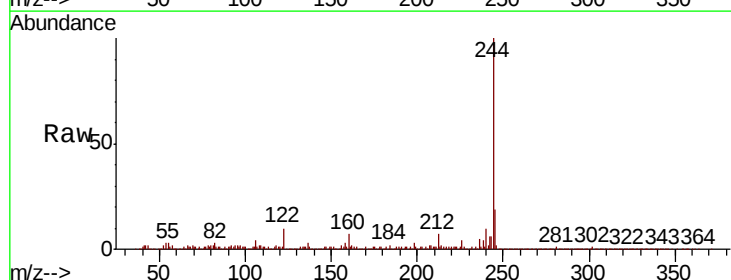
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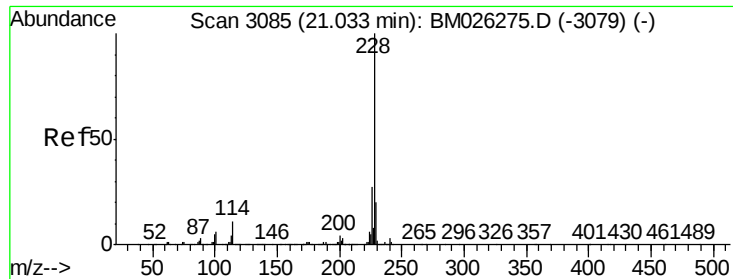
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#79
Terphenyl-d14
Concen: 13.209 ng
RT: 19.48 min Scan# 2821
Delta R.T. -0.01 min
Lab File: BM026353.D
Acq: 11 Jun 2020 13:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.4	9.1	13.7





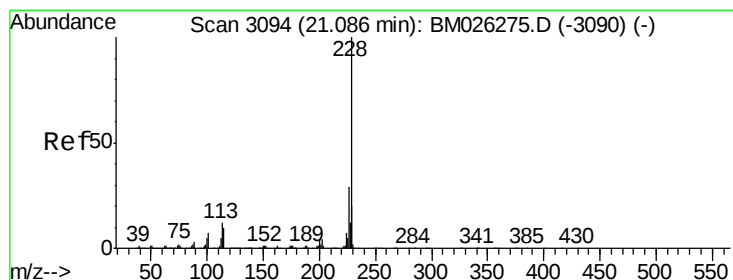
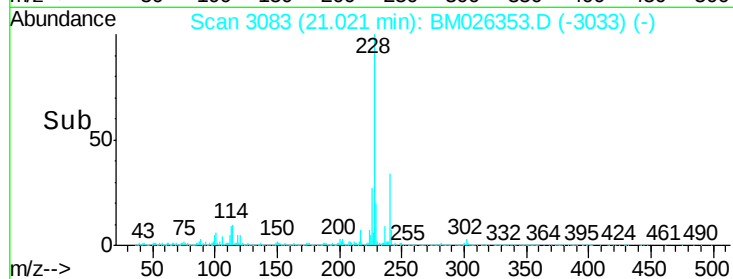
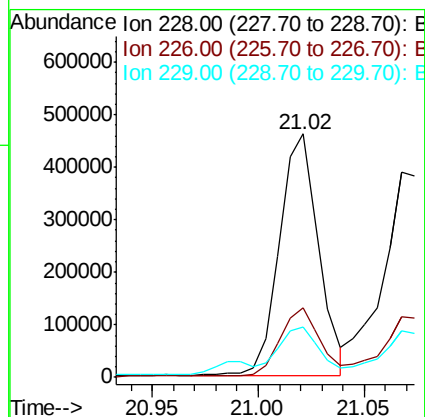
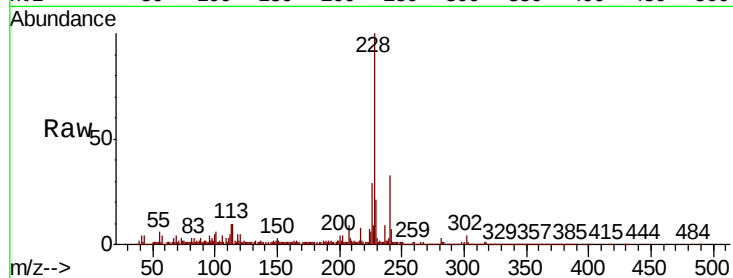
#81
Benzo(a)anthracene
Concen: 13.051 ng
RT: 21.02 min Scan# 3083
Delta R.T. -0.01 min
Lab File: BM026353.D
Acq: 11 Jun 2020 13:18

Instrument :
BNA_M
ClientSampleId :
CUTTINGS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.7	32.5
229	20.6	15.9	23.9

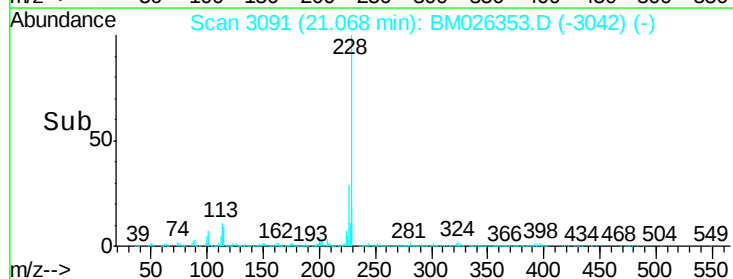
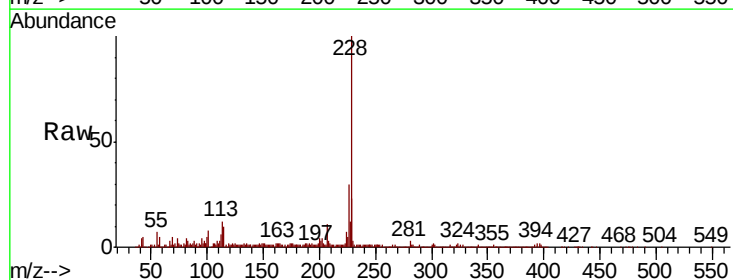
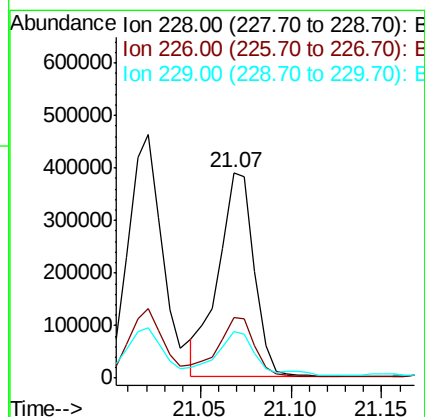
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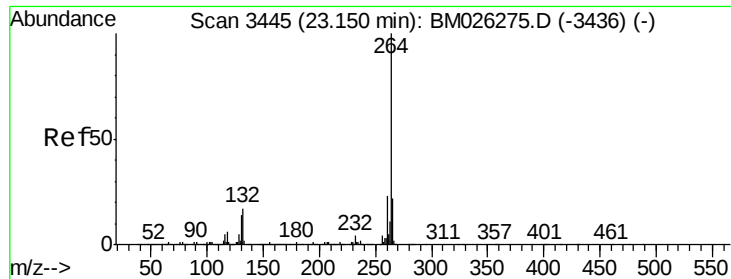
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#83
Chrysene
Concen: 12.444 ng
RT: 21.07 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BM026353.D
Acq: 11 Jun 2020 13:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.5	35.3
229	22.6	15.8	23.6





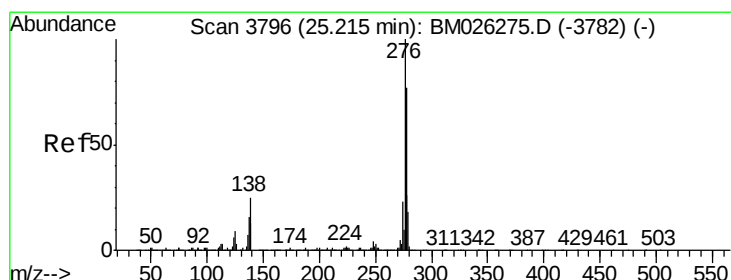
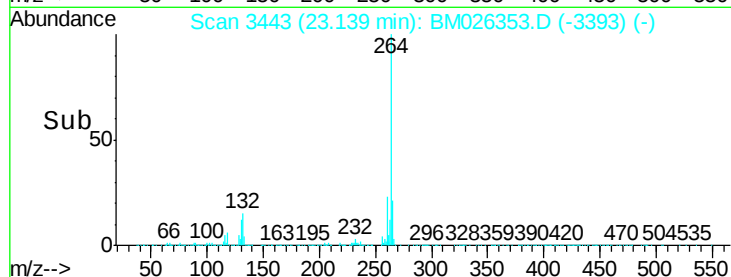
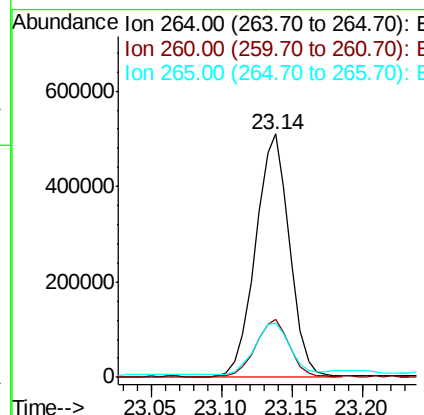
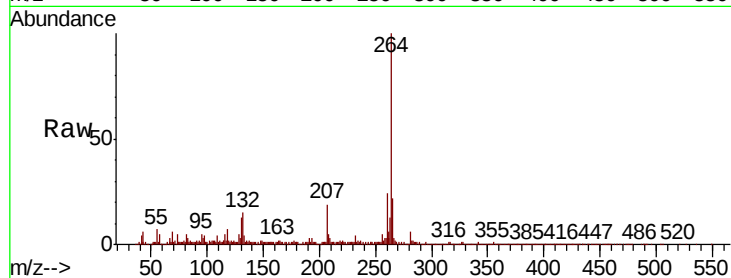
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.14 min Scan# 3443
Delta R.T. -0.01 min
Lab File: BM026353.D
Acq: 11 Jun 2020 13:18

Instrument :
BNA_M
ClientSampleId :
CUTTINGS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	22.5	18.2	27.2

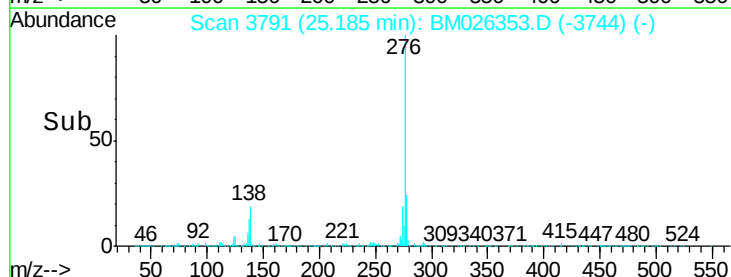
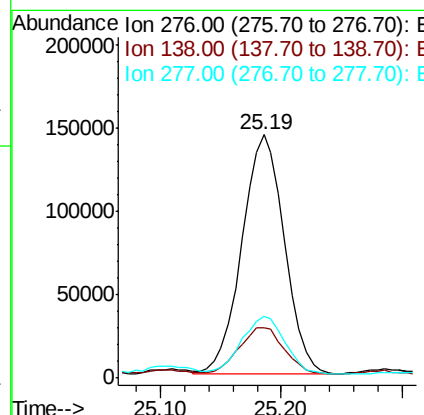
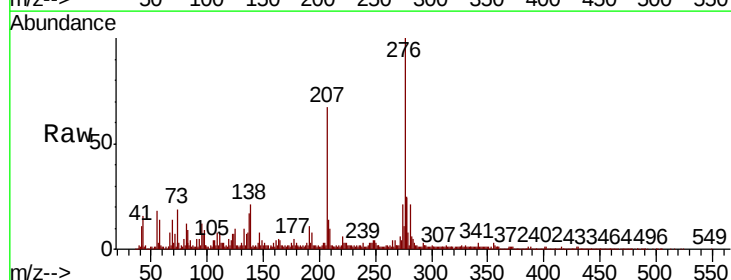
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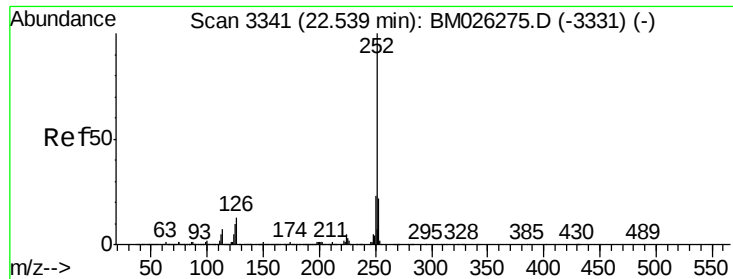
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 7.123 ng
RT: 25.19 min Scan# 3791
Delta R.T. -0.02 min
Lab File: BM026353.D
Acq: 11 Jun 2020 13:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	19.8	29.8
277	25.0	20.2	30.2





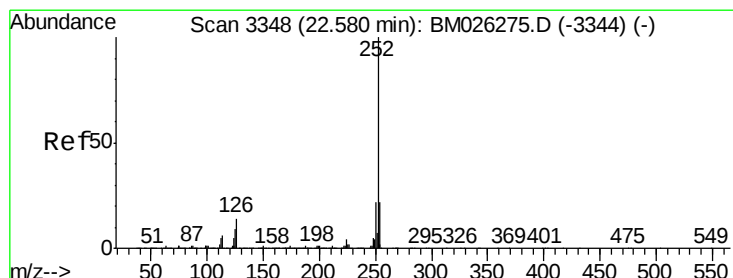
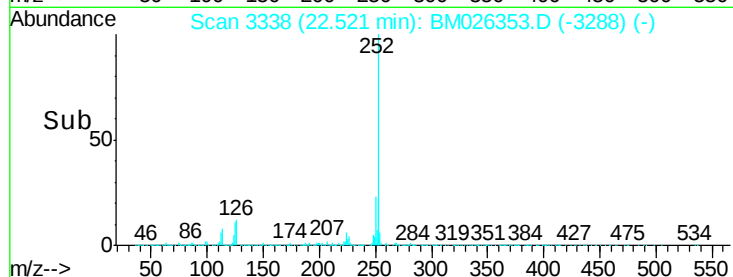
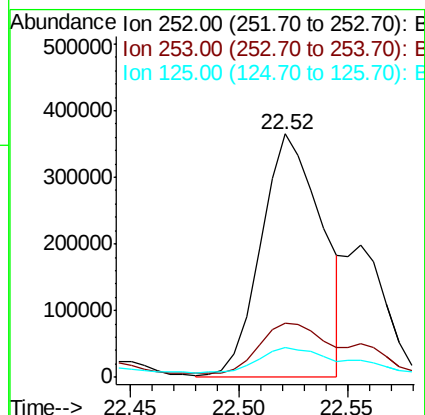
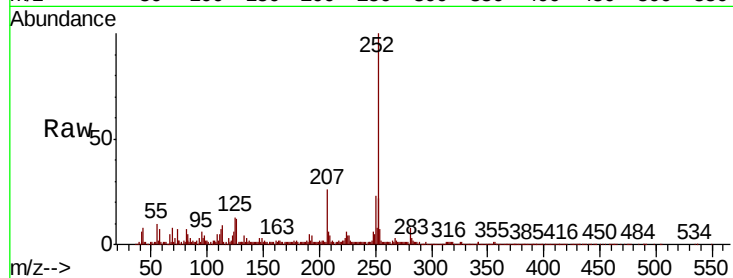
#88
Benzo(b)fluoranthene
Concen: 13.836 ng m
RT: 22.52 min Scan# 3338
Delta R.T. -0.01 min
Lab File: BM026353.D
Acq: 11 Jun 2020 13:18

Instrument :
BNA_M
ClientSampleId :
CUTTINGS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	12.5	7.9	11.9

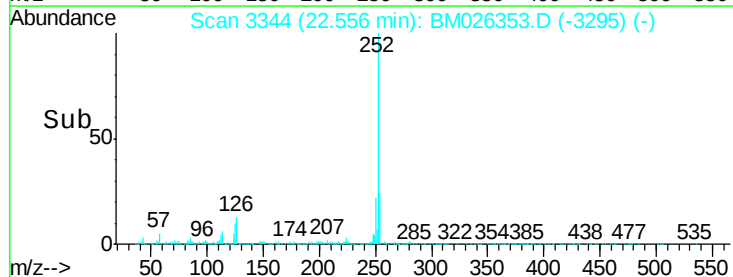
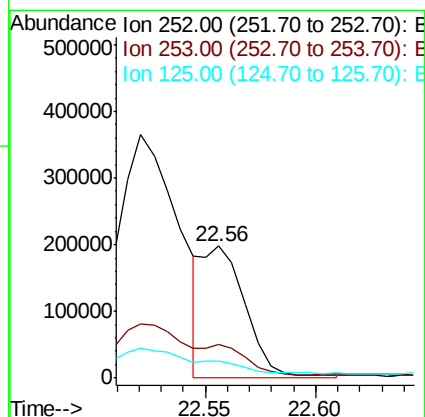
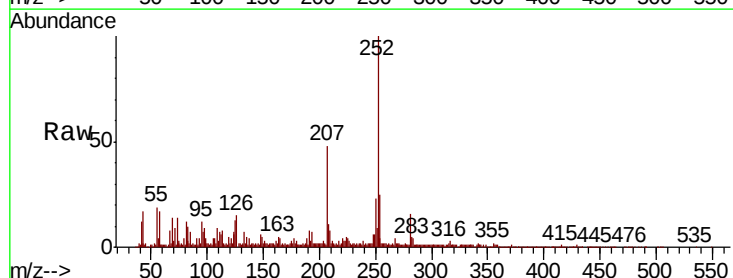
Manual Integrations
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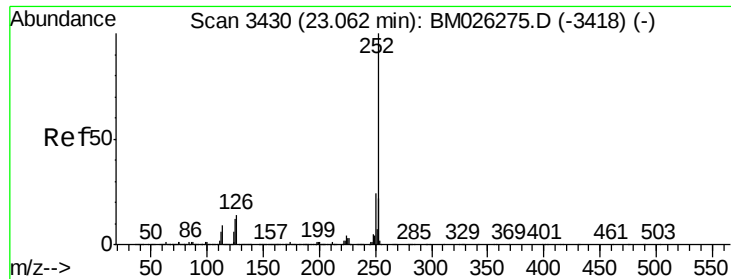
mohammad
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#89
Benzo(k)fluoranthene
Concen: 5.349 ng m
RT: 22.56 min Scan# 3344
Delta R.T. -0.01 min
Lab File: BM026353.D
Acq: 11 Jun 2020 13:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.3	25.9
125	13.0	7.8	11.6





#90

Benzo(a)pyrene

Concen: 12.068 ng

RT: 23.04 min Scan# 3427

Delta R.T. -0.01 min

Lab File: BM026353.D

Acq: 11 Jun 2020 13:18

Instrument :

BNA_M

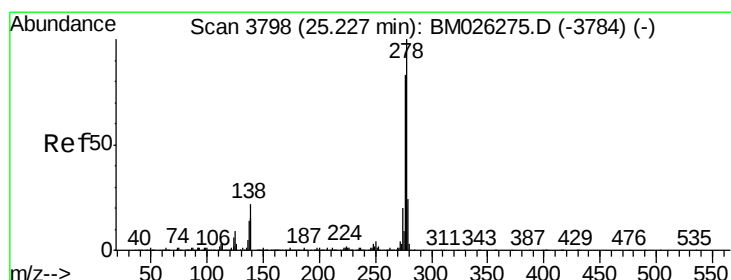
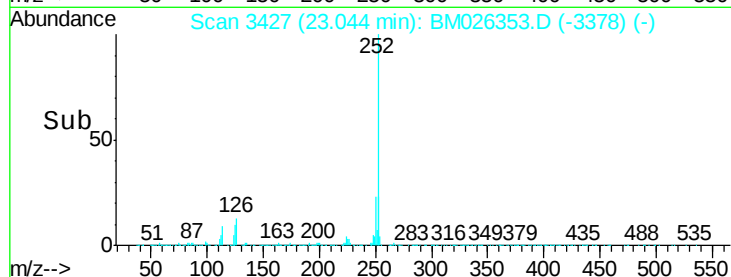
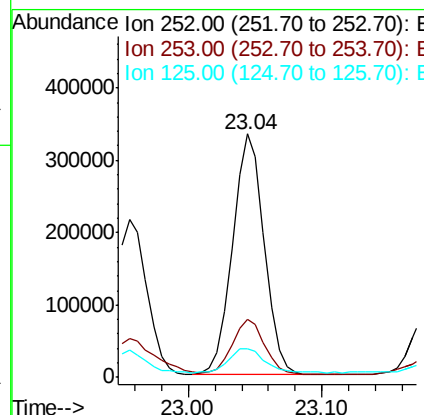
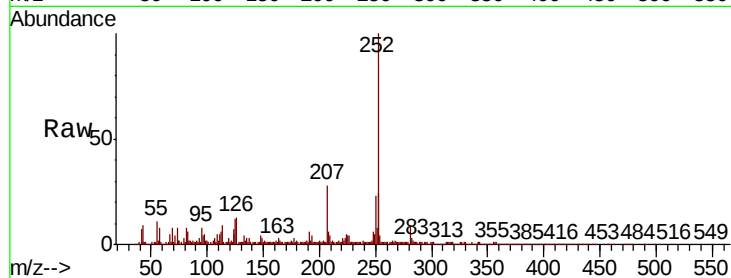
ClientSampleId :

CUTTINGS

Tot Ion:	252	Resp:	550567
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.5	26.3
125	11.8	9.4	14.0

Manual Integrations
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#91

Dibenzo(a,h)anthracene

Concen: 2.307 ng

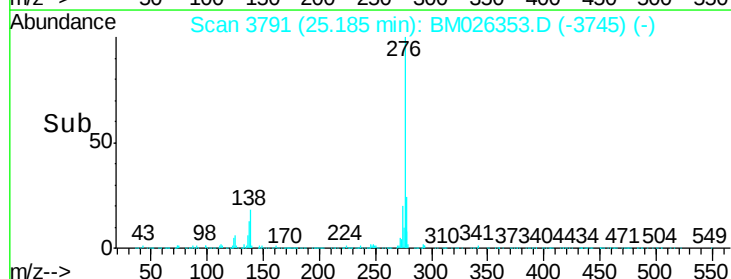
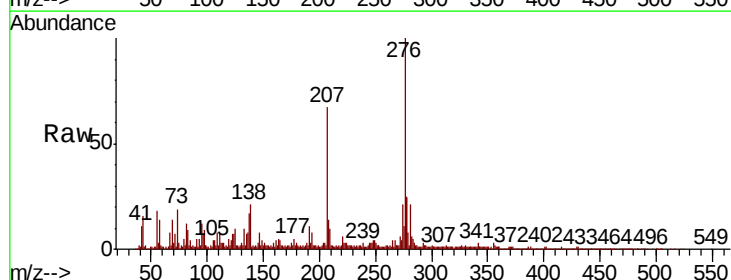
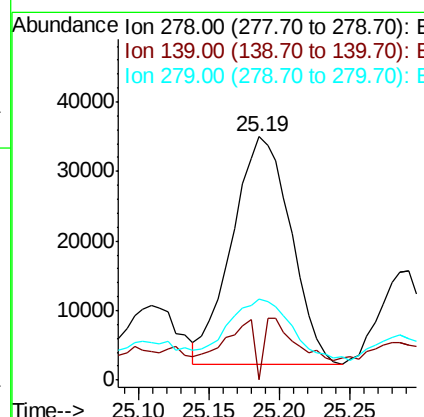
RT: 25.19 min Scan# 3791

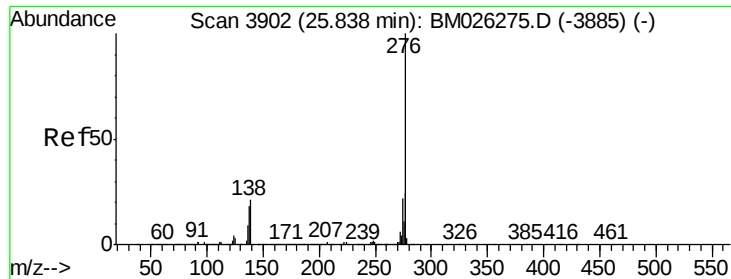
Delta R.T. -0.03 min

Lab File: BM026353.D

Acq: 11 Jun 2020 13:18

Tgt Ion:	278	Resp:	95144
Ion Ratio	Lower	Upper	
278	100		
139	0.0	11.9	17.9#
279	33.2	19.0	28.4#





#92
 Benzo(a,h,i)perylene
 Concen: 8.904 ng
 RT: 25.81 min Scan# 3897
 Delta R.T. -0.02 min
 Lab File: BM026353.D
 Acq: 11 Jun 2020 13:18

Instrument :
 BNA_M
 ClientSampleId :
 CUTTINGS

Tot Ion:	276	Resp:	349424
Ion Ratio		Lower	Upper
276	100		
277	25.9	19.3	28.9
138	22.1	16.5	24.7

Manual Integrations
 APPROVED

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