

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011422\
 Data File : BM033742.D
 Acq On : 14 Jan 2022 23:34
 Operator : CG/JU
 Sample : N1072-02 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 V-2

Quant Time: Jan 17 00:28:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM010522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 13 07:49:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

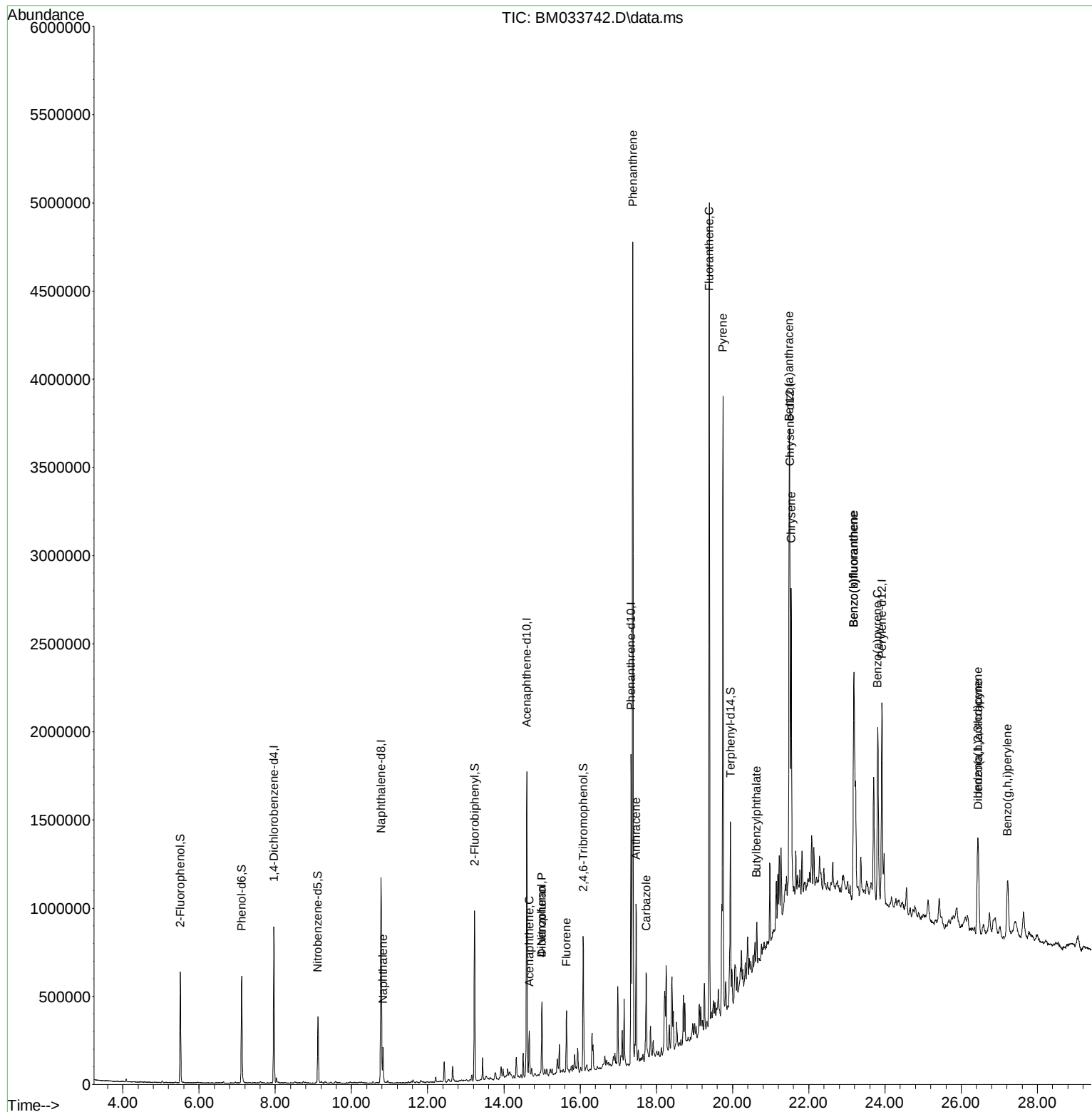
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.960	152	225176	20.000	ng	-0.01
21) Naphthalene-d8	10.778	136	940839	20.000	ng	-0.01
39) Acenaphthene-d10	14.601	164	588180	20.000	ng	0.00
64) Phenanthrene-d10	17.336	188	989006	20.000	ng	0.00
76) Chrysene-d12	21.501	240	725079	20.000	ng	0.00
86) Perylene-d12	23.918	264	803218	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.507	112	246557	17.269	ng	0.00
7) Phenol-d6	7.119	99	324276	16.852	ng	0.00
23) Nitrobenzene-d5	9.119	82	209558	10.286	ng	-0.02
42) 2,4,6-Tribromophenol	16.077	330	109684	17.854	ng	-0.01
45) 2-Fluorobiphenyl	13.230	172	478985	10.666	ng	-0.01
79) Terphenyl-d14	19.948	244	435914	10.821	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	7.078	77	533	Below Cal	#	35
31) Naphthalene	10.831	128	157828	3.061	ng	99
52) Acenaphthene	14.666	154	90825	2.480	ng	98
55) Dibenzofuran	14.995	168	232362	4.233	ng	96
56) 4-Nitrophenol	14.995	139	98499	13.170	ng	# 1
58) Fluorene	15.642	166	136074	3.236	ng	96
71) Phenanthrene	17.383	178	2735064	48.329	ng	99
72) Anthracene	17.465	178	549249	9.894	ng	98
73) Carbazole	17.736	167	310380	5.931	ng	99
75) Fluoranthene	19.389	202	2636489	44.376	ng	99
78) Pyrene	19.748	202	2035736	39.877	ng	99
80) Butylbenzylphthalate	20.636	149	64439	2.826	ng	94
81) Benzo(a)anthracene	21.483	228	1001019	20.359	ng	97
83) Chrysene	21.536	228	869892	18.488	ng	96
87) Indeno(1,2,3-cd)pyrene	26.441	276	488272	8.243	ng	96
88) Benzo(b)fluoranthene	23.183	252	1084919	21.186	ng	95
89) Benzo(k)fluoranthene	23.183	252	1084919	21.859	ng	97
90) Benzo(a)pyrene	23.806	252	723441	17.022	ng	96
91) Dibenzo(a,h)anthracene	26.453	278	130186	2.646	ng	# 88
92) Benzo(g,h,i)perylene	27.218	276	431557	8.922	ng	98

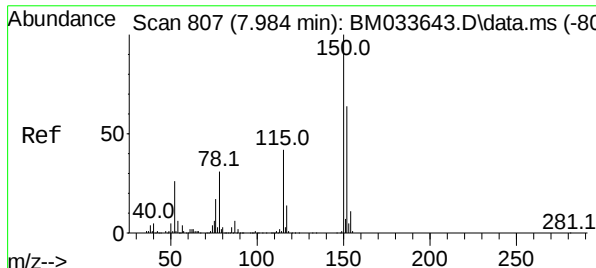
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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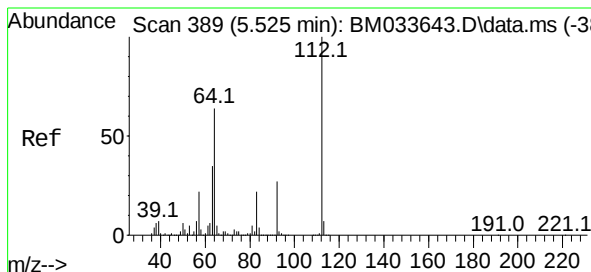
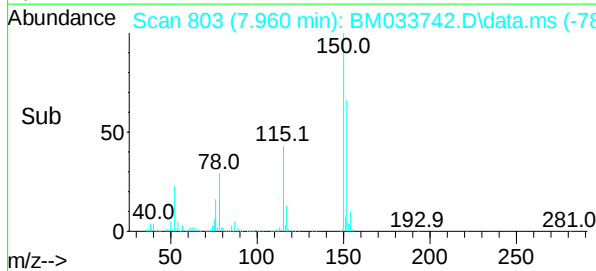
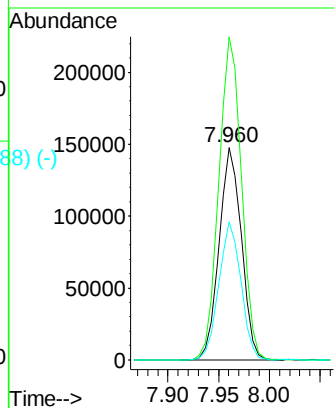
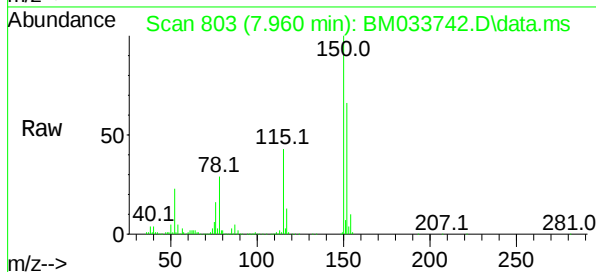




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.960 min Scan# 807
 Delta R.T. -0.012 min
 Lab File: BM033742.D
 Acq: 14 Jan 2022 23:34

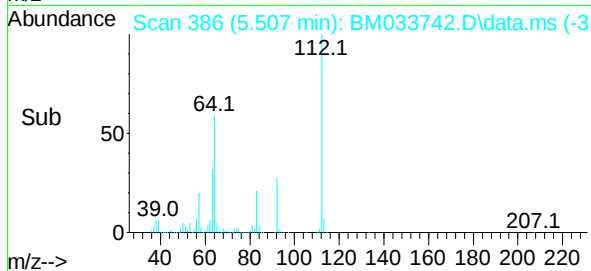
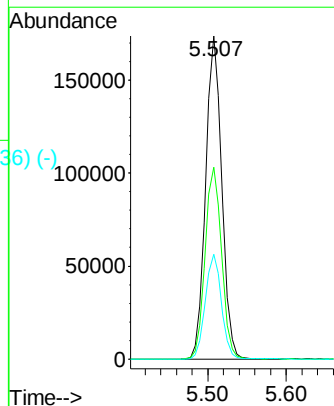
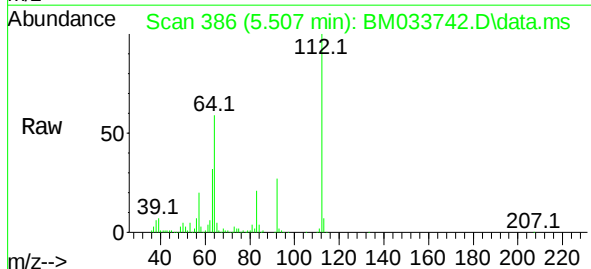
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 ClientSampleId :
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Tgt Ion:	152	Resp:	225176
Ion	Ratio	Lower	Upper
152	100		
150	152.0	128.9	193.3
115	64.9	53.0	79.6

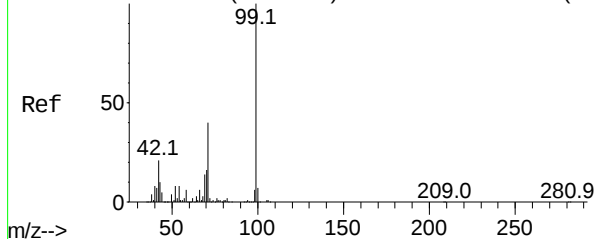


2-Fluorophenol
 Concen: 17.269 ng
 RT: 5.507 min Scan# 386
 Delta R.T. -0.006 min
 Lab File: BM033742.D
 Acq: 14 Jan 2022 23:34

Tgt Ion:	112	Resp:	246557
Ion	Ratio	Lower	Upper
112	100		
64	59.4	55.5	83.3
63	32.5	31.3	46.9



Abundance Scan 663 (7.137 min): BM033643.D\data.ms (-654#7)



Phenol-d6

Concen: 16.852 ng

RT: 7.119 min Scan#

Delta R.T. -0.006 min

Lab File: BM033742.D

Acq: 14 Jan 2022 23:34

Instrument :

BNA_M

ClientSampleId :

V-2

Tgt Ion: 99 Resp: 324276

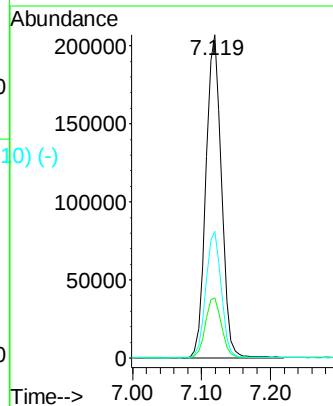
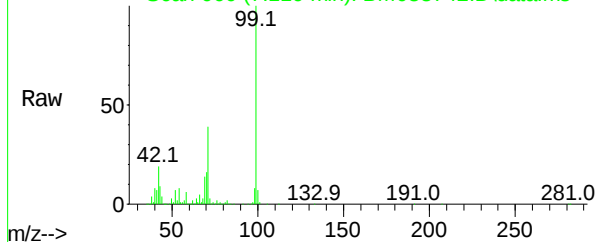
Ion Ratio Lower Upper

99 100

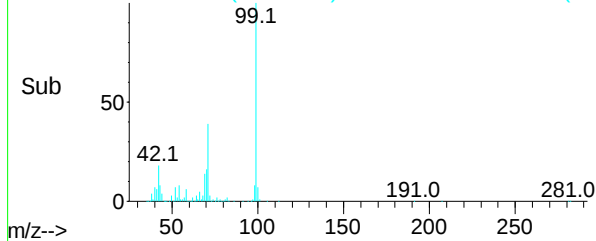
42 18.6 20.3 30.5#

71 39.2 34.5 51.7

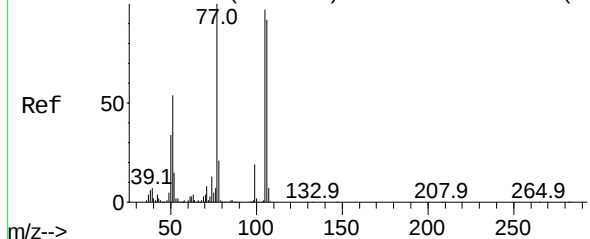
Abundance Scan 660 (7.119 min): BM033742.D\data.ms



Abundance Scan 660 (7.119 min): BM033742.D\data.ms (-610) (-)



Abundance Scan 659 (7.113 min): BM033643.D\data.ms (-650#9)



Benzaldehyde

Concen: Below Cal

RT: 7.078 min Scan# 653

Delta R.T. -0.017 min

Lab File: BM033742.D

Acq: 14 Jan 2022 23:34

Tgt Ion: 77 Resp: 533

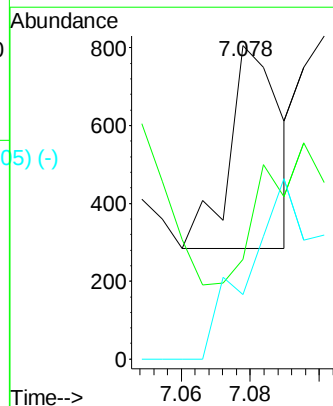
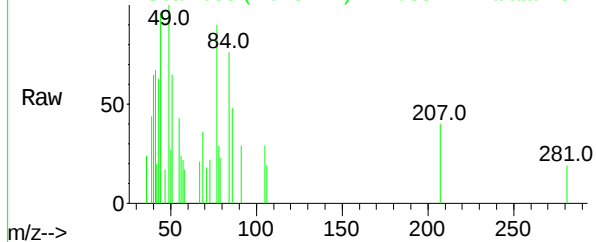
Ion Ratio Lower Upper

77 100

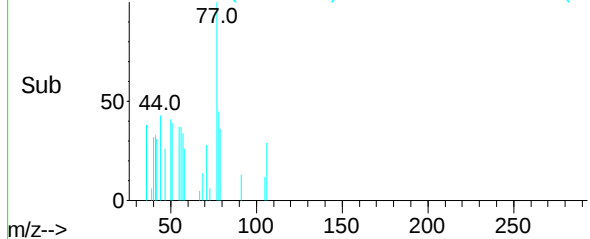
105 31.8 67.1 107.1#

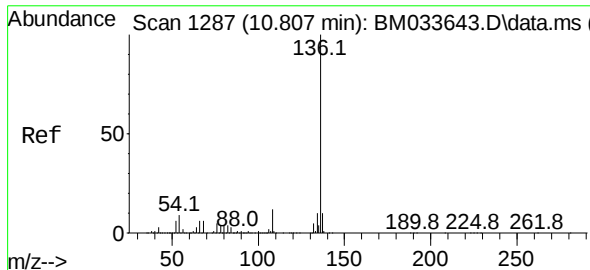
106 20.6 64.3 104.3#

Abundance Scan 653 (7.078 min): BM033742.D\data.ms



Abundance Scan 653 (7.078 min): BM033742.D\data.ms (-605) (-)

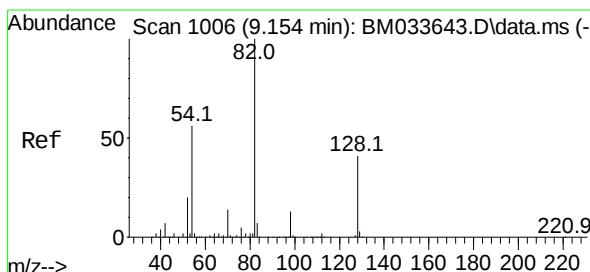
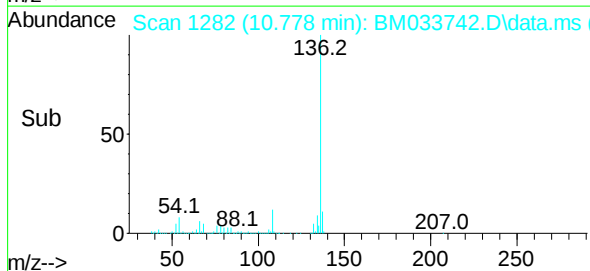
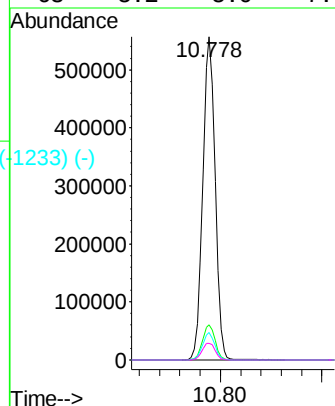
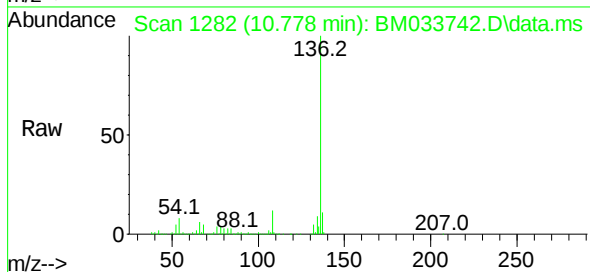




Naphthalene-d8
Concen: 20.000 ng
RT: 10.778 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

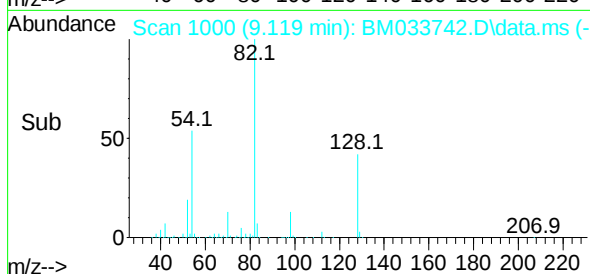
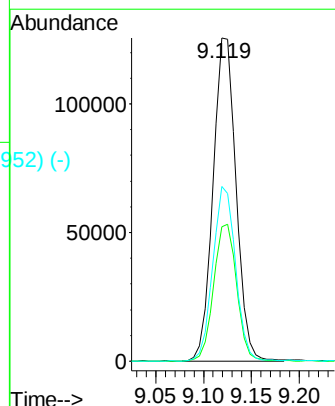
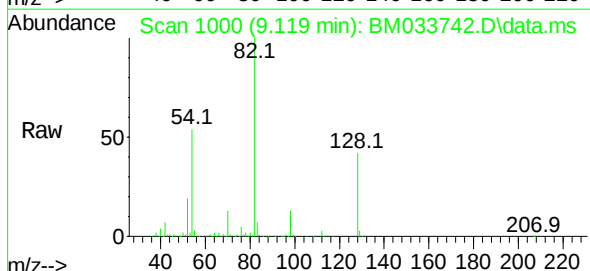
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V-2

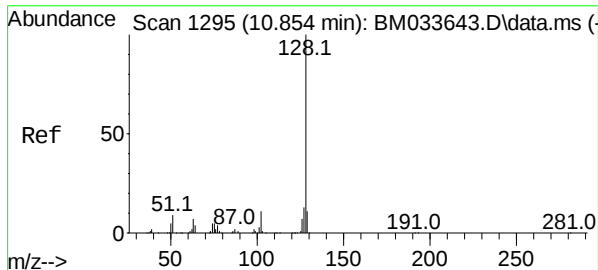
Tgt Ion:	136	Resp:	940839
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	8.3	12.5
68	5.2	5.0	7.6



Nitrobenzene-d5
Concen: 10.286 ng
RT: 9.119 min Scan# 1000
Delta R.T. -0.017 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

Tgt Ion:	82	Resp:	209558
Ion	Ratio	Lower	Upper
82	100		
128	41.6	28.1	42.1
54	54.1	46.1	69.1

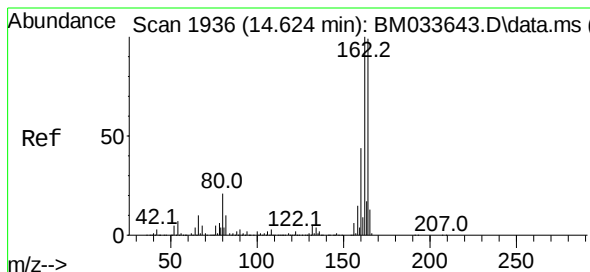
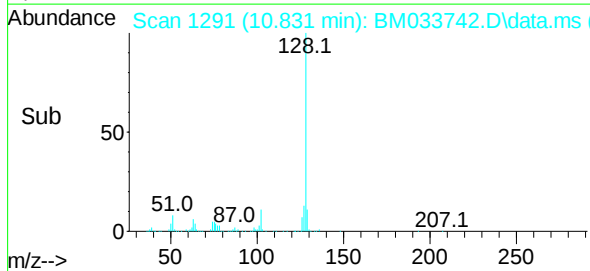
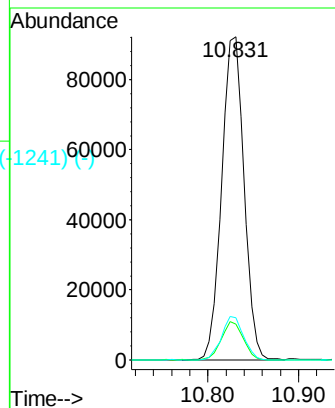
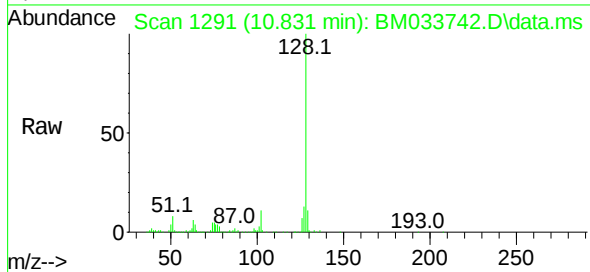




Naphthalene
Concen: 3.061 ng
RT: 10.831 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

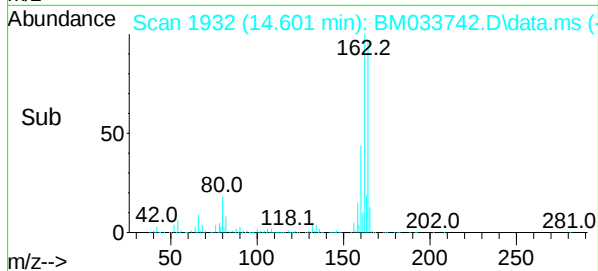
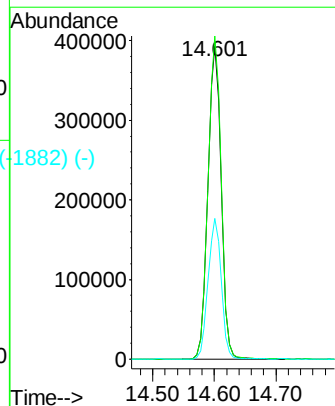
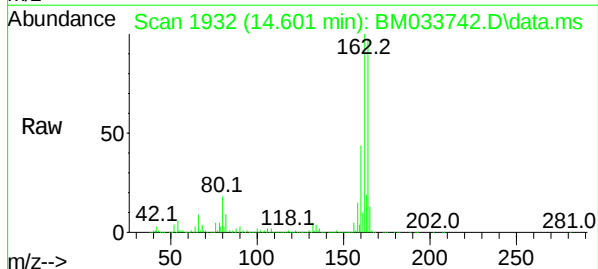
Instrument :
BNA_M
ClientSampleId :
V-2

Tgt Ion:128 Resp: 157828
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 13.0 10.8 16.2



Acenaphthene-d10
Concen: 20.000 ng
RT: 14.601 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

Tgt Ion:164 Resp: 588180
Ion Ratio Lower Upper
164 100
162 103.3 79.7 119.5
160 45.1 34.2 51.4



Abundance Scan 2188 (16.107 min): BM033643.D\data.ms (-2188) (-)

2,4,6-Tribromophenol

Concen: 17.854 ng

RT: 16.077 min Scan# 1699

Delta R.T. -0.012 min

Lab File: BM033742.D

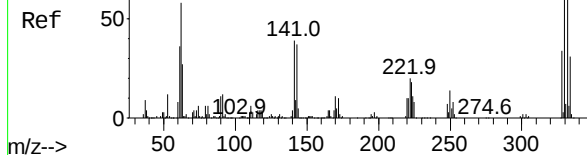
Acq: 14 Jan 2022 23:34

Instrument :

BNA_M

ClientSampleId :

V-2



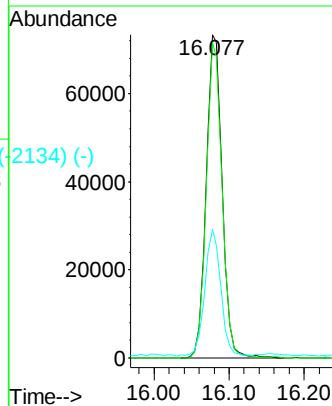
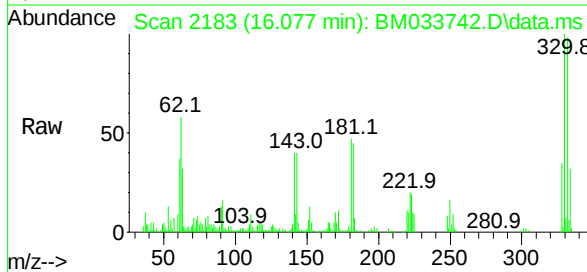
Tgt Ion:330 Resp: 109684

Ion Ratio Lower Upper

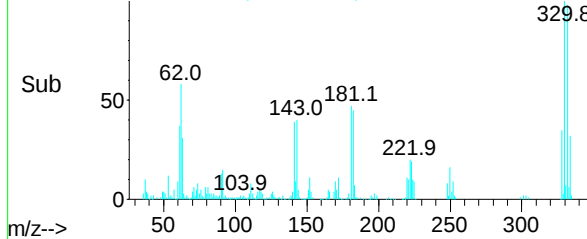
330 100

332 96.6 76.5 114.7

141 39.3 35.9 53.9



Abundance Scan 2183 (16.077 min): BM033742.D\data.ms (-2134) (-)



Abundance Scan 1704 (13.260 min): BM033643.D\data.ms (-1695) (-)

2-Fluorobiphenyl

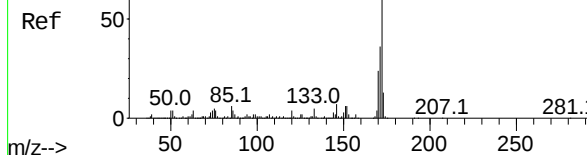
Concen: 10.666 ng

RT: 13.230 min Scan# 1699

Delta R.T. -0.012 min

Lab File: BM033742.D

Acq: 14 Jan 2022 23:34



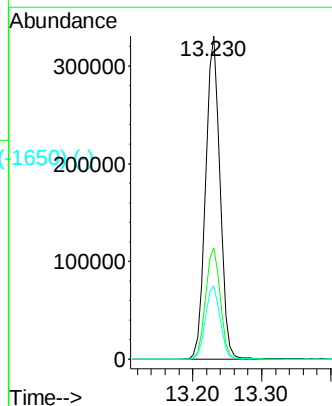
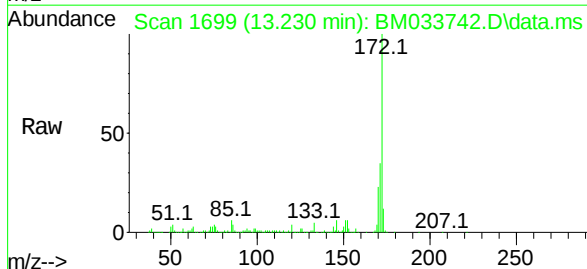
Tgt Ion:172 Resp: 478985

Ion Ratio Lower Upper

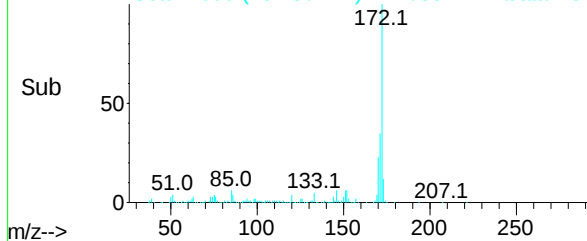
172 100

171 34.5 27.2 40.8

170 22.7 18.7 28.1



Abundance Scan 1699 (13.230 min): BM033742.D\data.ms (-1650) (-)



Abundance Scan 1947 (14.689 min): BM033643.D\data.ms (-1552) (-)

Acenaphthene

Concen: 2.480 ng

RT: 14.666 min Scan# 1943

Delta R.T. -0.006 min

Lab File: BM033742.D

Acq: 14 Jan 2022 23:34

Instrument :

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Tgt Ion:154 Resp: 90825

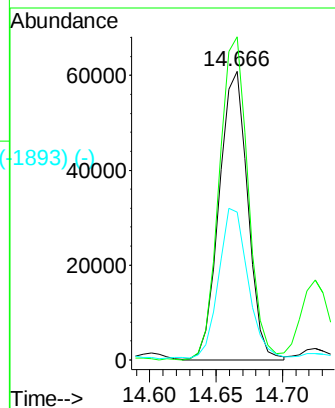
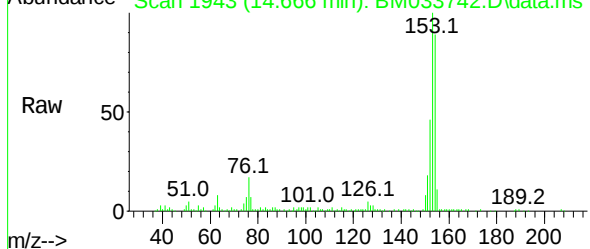
Ion Ratio Lower Upper

154 100

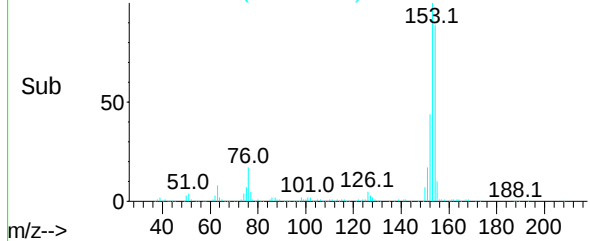
153 111.9 90.2 135.4

152 51.1 43.5 65.3

Abundance Scan 1943 (14.666 min): BM033742.D\data.ms



Abundance Scan 1943 (14.666 min): BM033742.D\data.ms (-1893) (-)



Abundance Scan 2004 (15.024 min): BM033643.D\data.ms (-1955) (-)

Dibenzofuran

Concen: 4.233 ng

RT: 14.995 min Scan# 1999

Delta R.T. -0.012 min

Lab File: BM033742.D

Acq: 14 Jan 2022 23:34

Tgt Ion:168 Resp: 232362

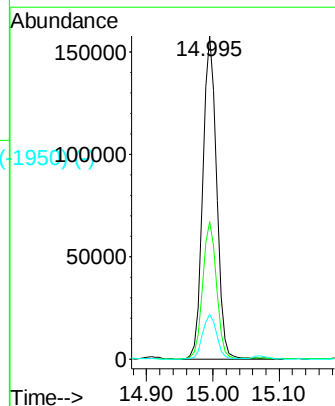
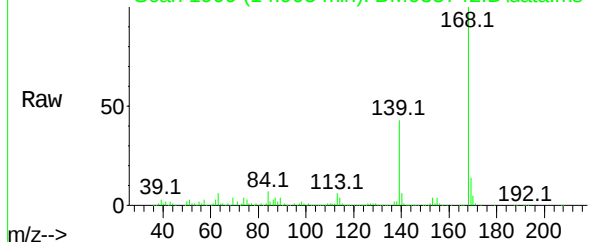
Ion Ratio Lower Upper

168 100

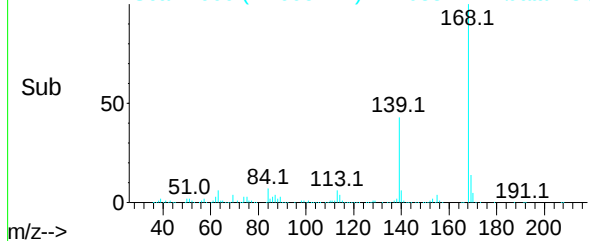
139 42.5 31.4 47.2

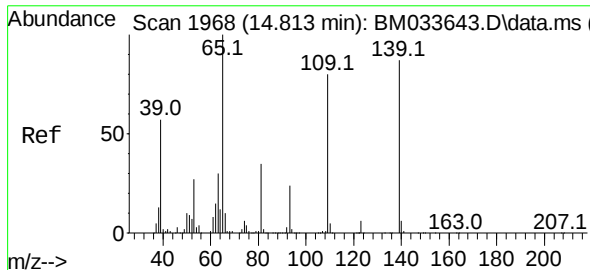
169 13.9 10.6 15.8

Abundance Scan 1999 (14.995 min): BM033742.D\data.ms



Abundance Scan 1999 (14.995 min): BM033742.D\data.ms (-1950) (-)

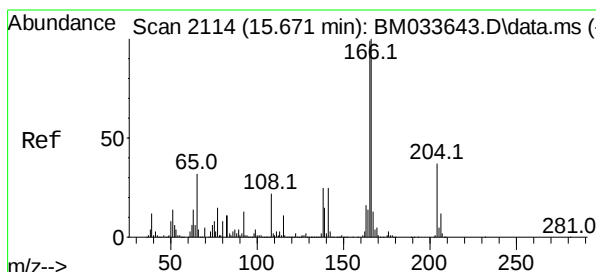
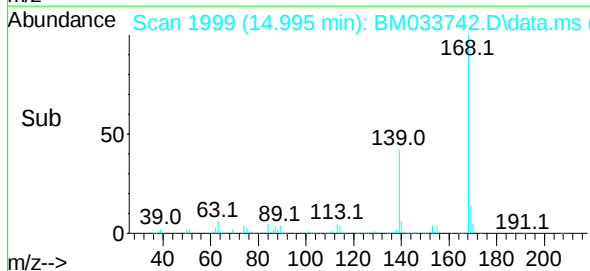
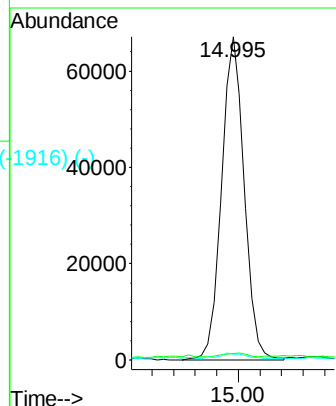
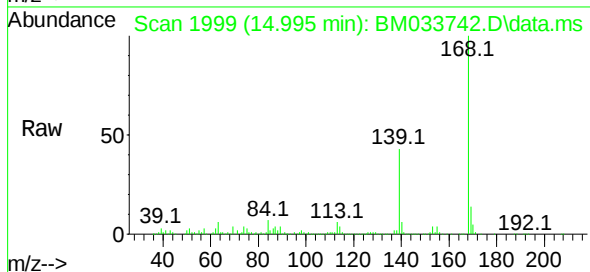




4-Nitrophenol
 Concen: 13.170 ng
 RT: 14.995 min Scan# 1968
 Delta R.T. 0.188 min
 Lab File: BM033742.D
 Acq: 14 Jan 2022 23:34

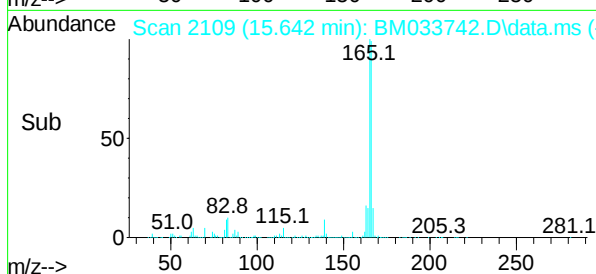
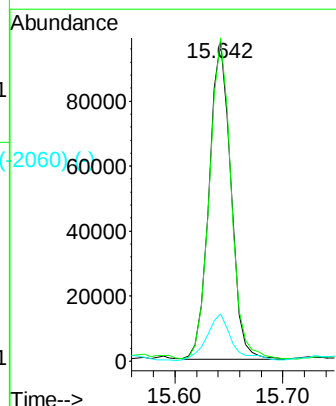
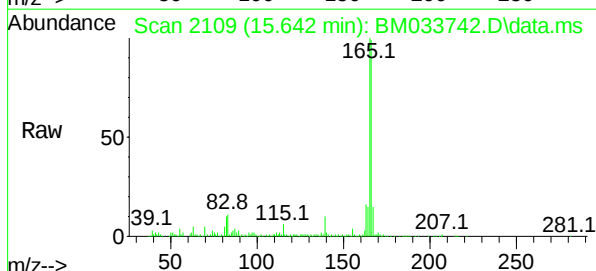
Instrument :
 BNA_M
 ClientSampleId :
 V-2

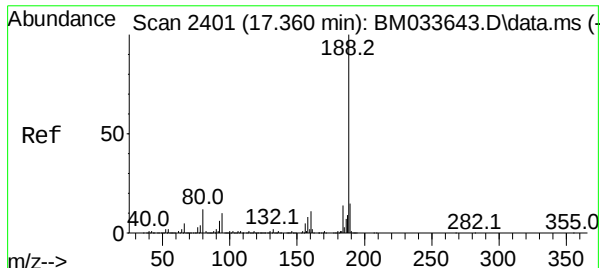
Tgt Ion:139 Resp: 98499
 Ion Ratio Lower Upper
 139 100
 109 2.0 75.3 115.3#
 65 1.7 107.4 147.4#



Fluorene
 Concen: 3.236 ng
 RT: 15.642 min Scan# 2109
 Delta R.T. -0.012 min
 Lab File: BM033742.D
 Acq: 14 Jan 2022 23:34

Tgt Ion:166 Resp: 136074
 Ion Ratio Lower Upper
 166 100
 165 101.0 78.1 117.1
 167 14.8 10.6 15.8





Phenanthrene-d10

Concen: 20.000 ng

RT: 17.336 min Scan# 2397

Delta R.T. -0.006 min

Lab File: BM033742.D

Acq: 14 Jan 2022 23:34

Instrument :

BNA_M

ClientSampleId :

V-2

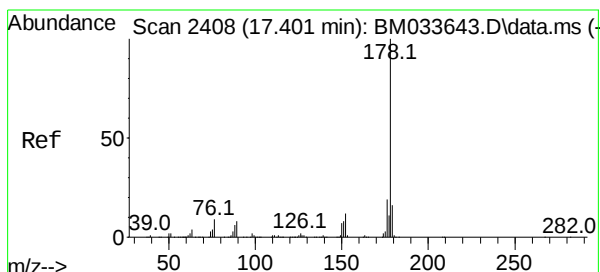
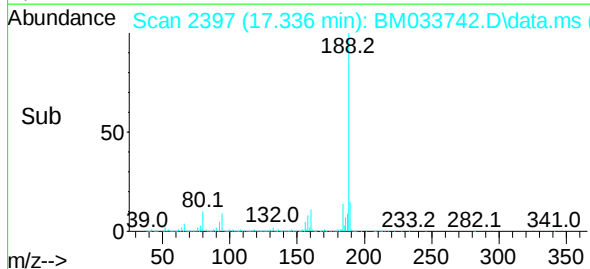
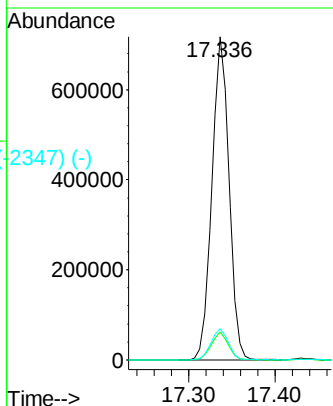
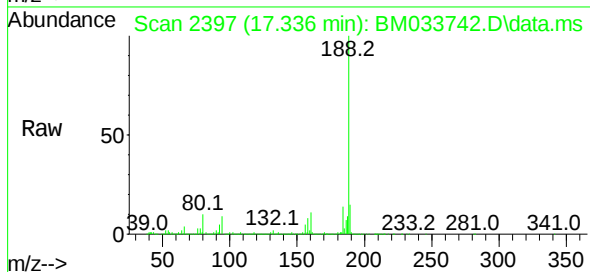
Tgt Ion:188 Resp: 989006

Ion Ratio Lower Upper

188 100

94 8.6 7.5 11.3

80 9.6 8.9 13.3



Phenanthrene

Concen: 48.329 ng

RT: 17.383 min Scan# 2405

Delta R.T. -0.006 min

Lab File: BM033742.D

Acq: 14 Jan 2022 23:34

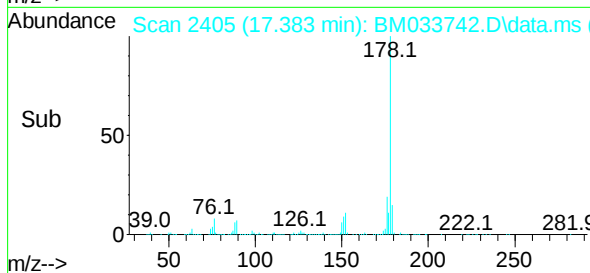
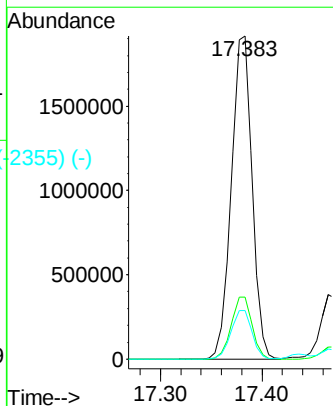
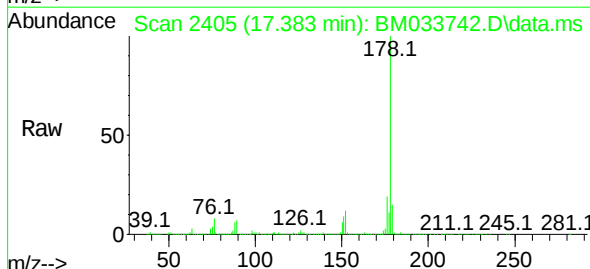
Tgt Ion:178 Resp: 2735064

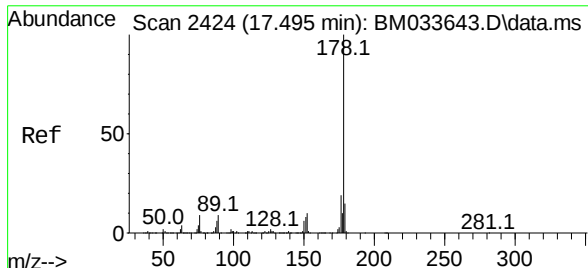
Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

179 15.1 12.0 18.0

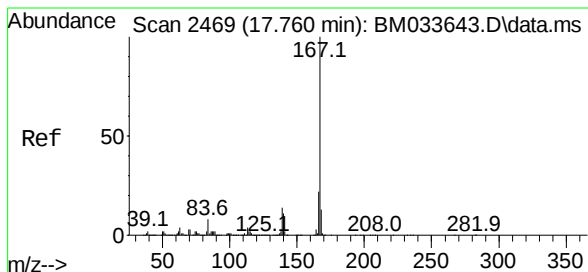
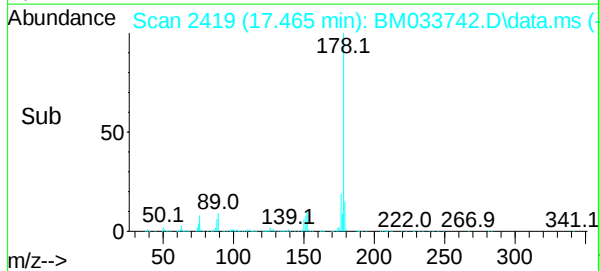
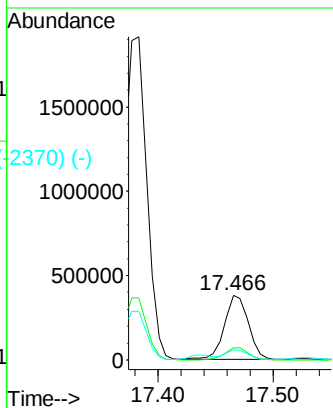
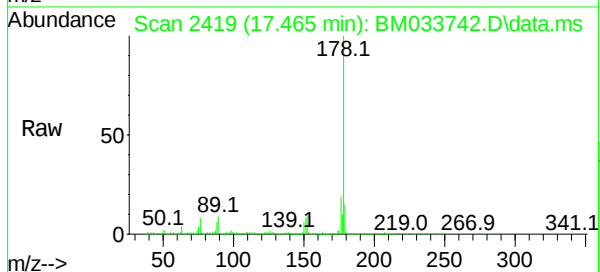




Anthracene
Concen: 9.894 ng
RT: 17.465 min Scan# 2419
Delta R.T. -0.012 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

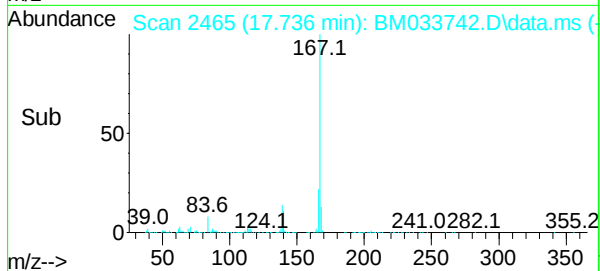
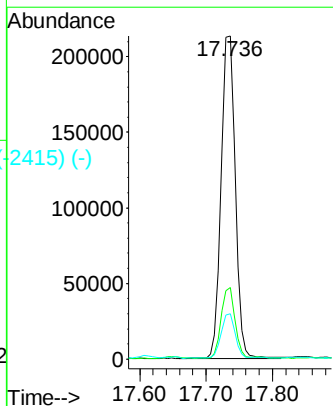
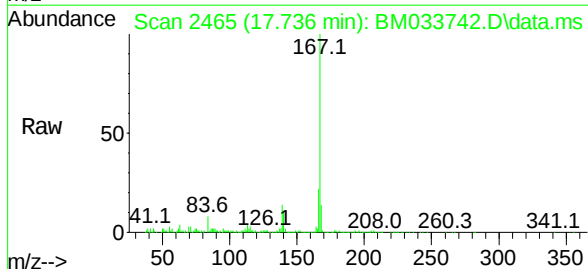
Instrument :
BNA_M
ClientSampleId :
V-2

Tgt Ion:	178	Resp:	549249
Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.5	21.7
179	15.3	11.9	17.9

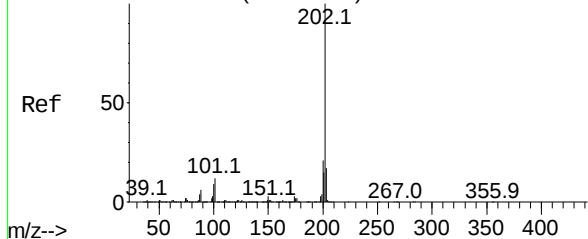


Carbazole
Concen: 5.931 ng
RT: 17.736 min Scan# 2465
Delta R.T. -0.006 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

Tgt Ion:	167	Resp:	310380
Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.2	25.8
139	14.1	11.0	16.4



Abundance Scan 2749 (19.407 min): BM033643.D\data.ms (-2749) (-)



Fluoranthene

Concen: 44.376 ng

RT: 19.389 min Scan# 2749

Delta R.T. -0.006 min

Lab File: BM033742.D

Acq: 14 Jan 2022 23:34

Instrument :

BNA_M

ClientSampleId :

V-2

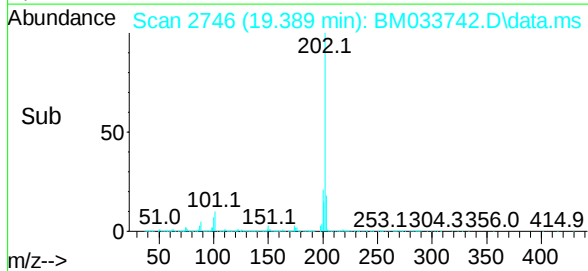
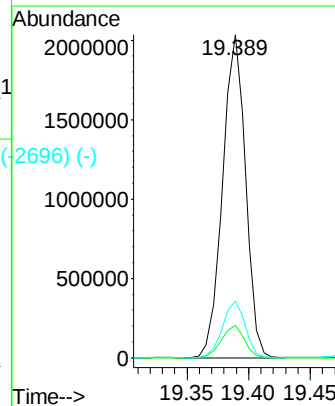
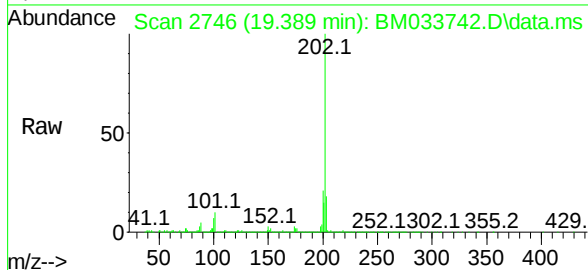
Tgt Ion:202 Resp: 2636489

Ion Ratio Lower Upper

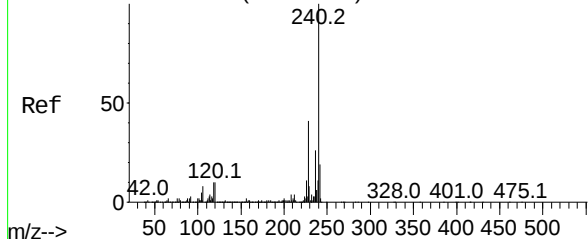
202 100

101 10.0 0.0 30.8

203 17.6 0.0 37.2



Abundance Scan 3109 (21.524 min): BM033643.D\data.ms (-3109) (-)



Chrysene-d12

Concen: 20.000 ng

RT: 21.501 min Scan# 3105

Delta R.T. -0.006 min

Lab File: BM033742.D

Acq: 14 Jan 2022 23:34

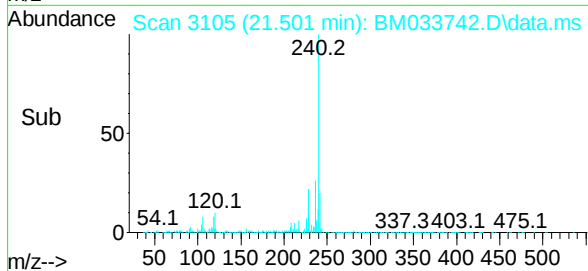
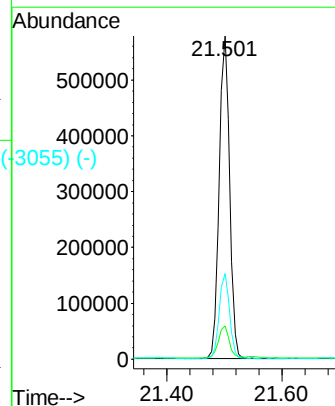
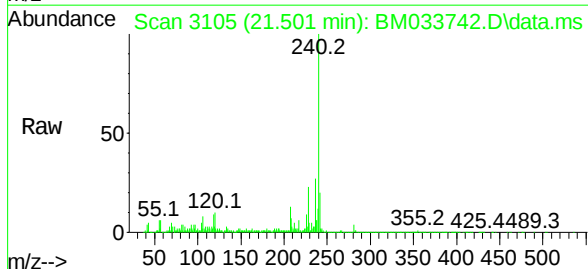
Tgt Ion:240 Resp: 725079

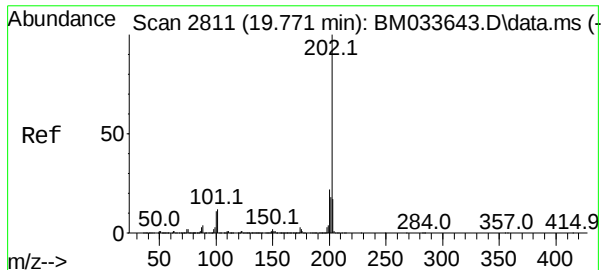
Ion Ratio Lower Upper

240 100

120 10.3 7.8 11.6

236 26.6 20.3 30.5

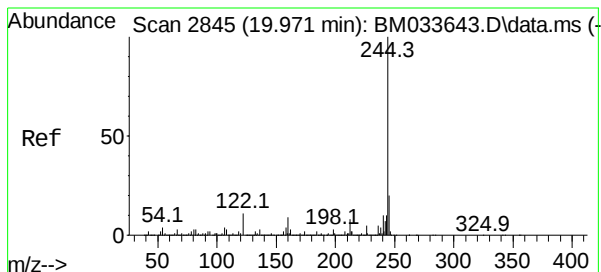
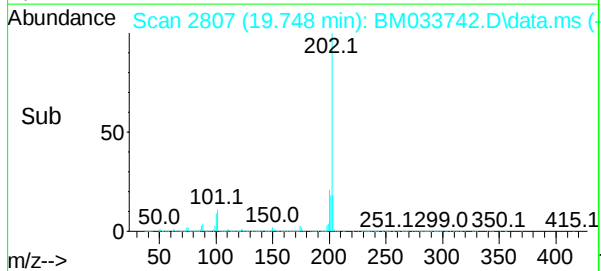
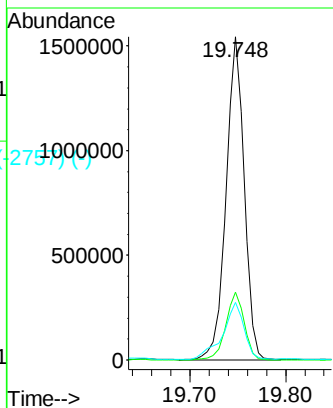
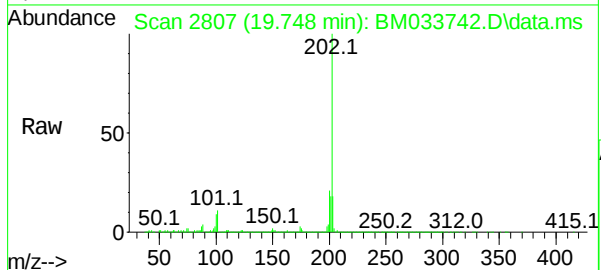




Pyrene
Concen: 39.877 ng
RT: 19.748 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

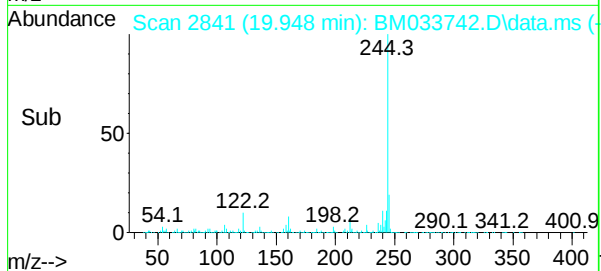
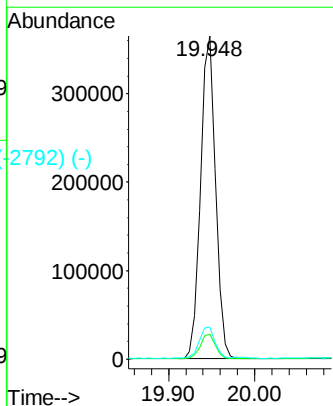
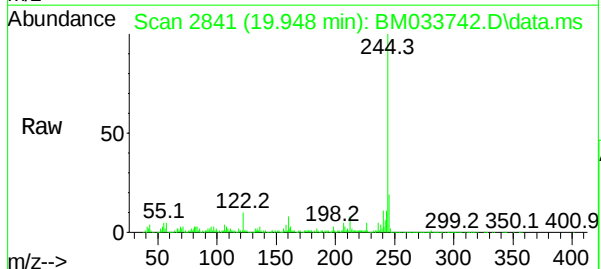
Instrument :
BNA_M
ClientSampleId :
V-2

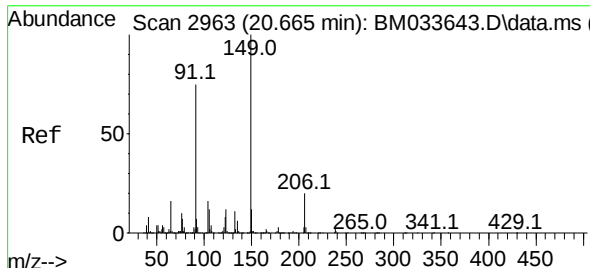
Tgt Ion:	202	Resp:	2035736
Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.4	24.6
203	17.7	13.5	20.3



Terphenyl-d14
Concen: 10.821 ng
RT: 19.948 min Scan# 2841
Delta R.T. -0.012 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

Tgt Ion:	244	Resp:	435914
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.9	8.9
122	9.8	8.4	12.6

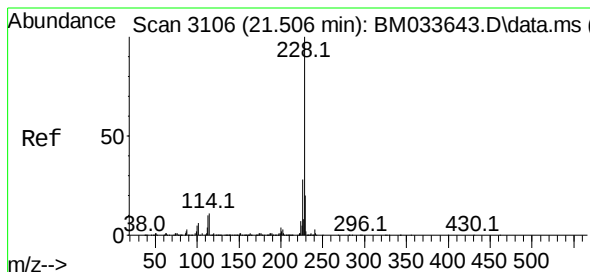
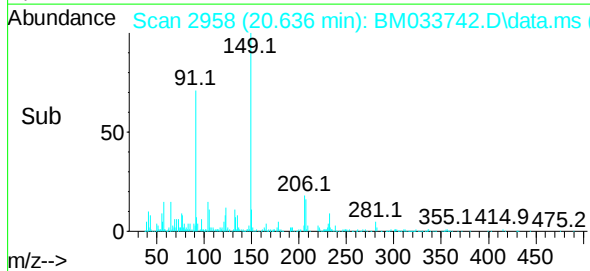
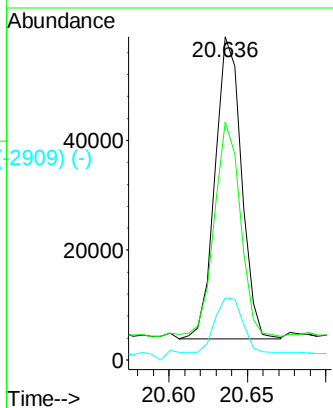
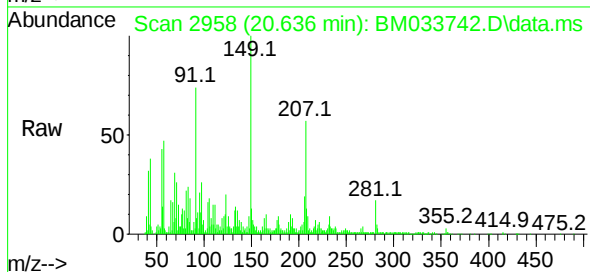




Butylbenzylphthalate
 Concen: 2.826 ng
 RT: 20.636 min Scan# 2963
 Delta R.T. -0.012 min
 Lab File: BM033742.D
 Acq: 14 Jan 2022 23:34

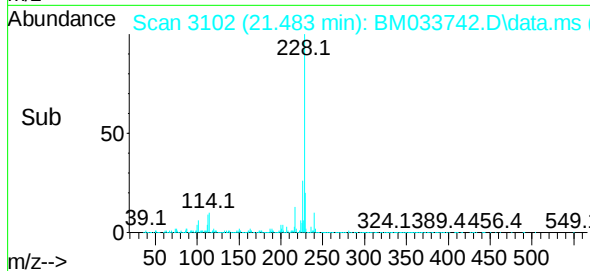
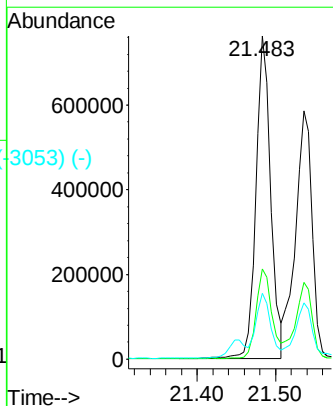
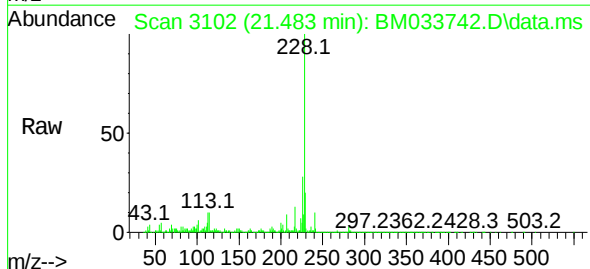
Instrument :
 BNA_M
 ClientSampleId :
 V-2

Tgt Ion:	149	Resp:	64439
Ion	Ratio	Lower	Upper
149	100		
91	73.7	63.4	95.0
206	19.1	16.8	25.2

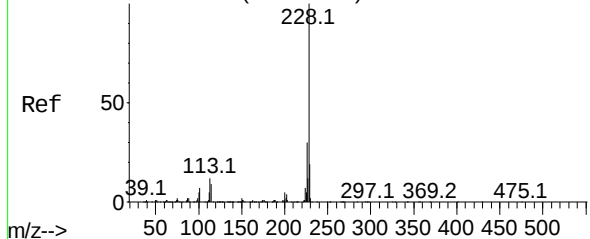


Benzo(a)anthracene
 Concen: 20.359 ng
 RT: 21.483 min Scan# 3102
 Delta R.T. -0.012 min
 Lab File: BM033742.D
 Acq: 14 Jan 2022 23:34

Tgt Ion:	228	Resp:	1001019
Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.0	31.6
229	20.3	15.5	23.3



Abundance Scan 3115 (21.559 min): BM033643.D\data.ms (-3115) (-)



Chrysene

Concen: 18.488 ng

RT: 21.536 min Scan#

Delta R.T. -0.012 min

Lab File: BM033742.D

Acq: 14 Jan 2022 23:34

Instrument :

BNA_M

ClientSampleId :

V-2

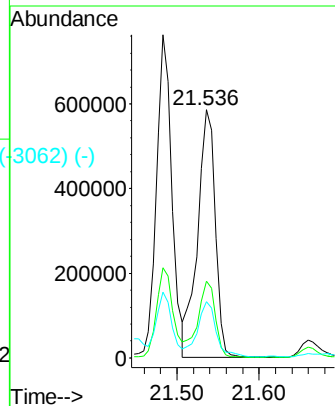
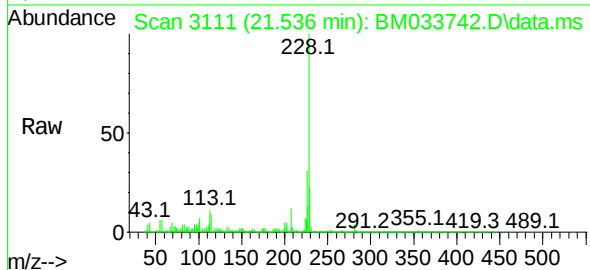
Tgt Ion:228 Resp: 869892

Ion Ratio Lower Upper

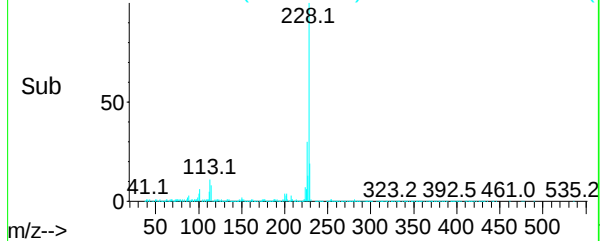
228 100

226 30.8 23.8 35.8

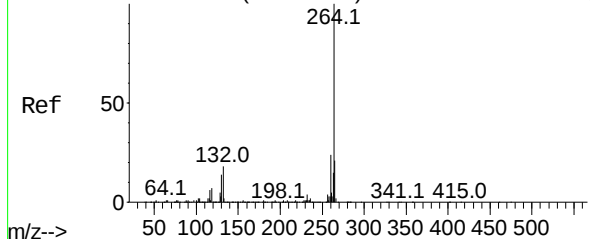
229 22.8 15.8 23.8



Abundance Scan 3111 (21.536 min): BM033742.D\data.ms (-3062) (-)



Abundance Scan 3522 (23.953 min): BM033643.D\data.ms (-3522) (-)



Perylene-d12

Concen: 20.000 ng

RT: 23.918 min Scan# 3516

Delta R.T. -0.012 min

Lab File: BM033742.D

Acq: 14 Jan 2022 23:34

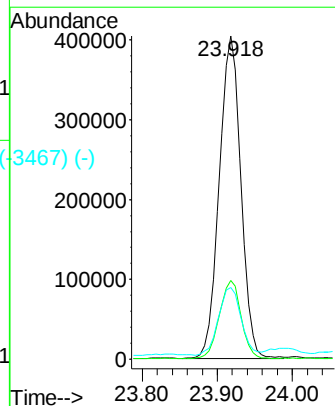
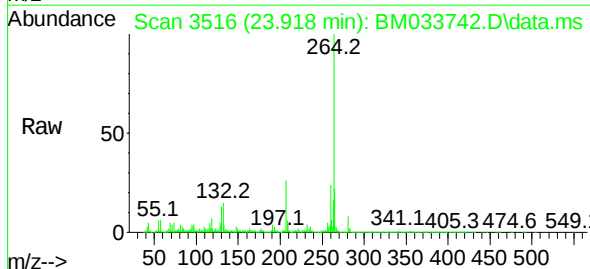
Tgt Ion:264 Resp: 803218

Ion Ratio Lower Upper

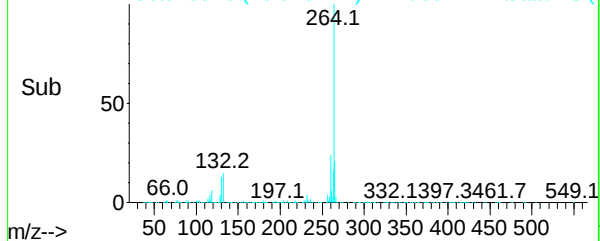
264 100

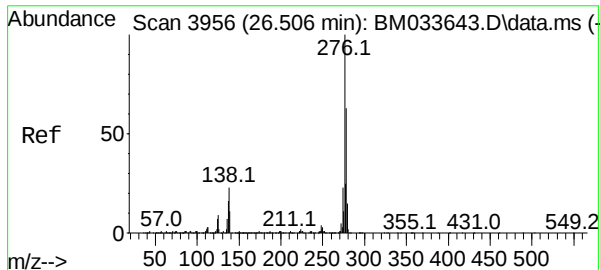
260 24.3 17.7 26.5

265 22.2 17.7 26.5



Abundance Scan 3516 (23.918 min): BM033742.D\data.ms (-3467) (-)

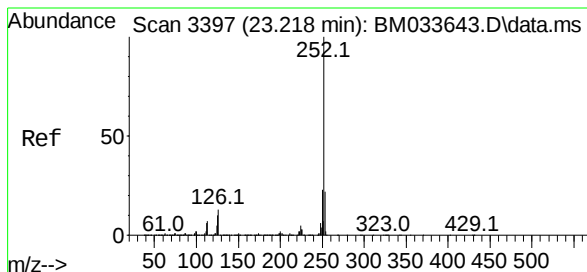
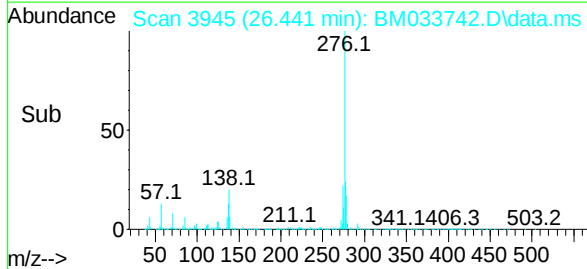
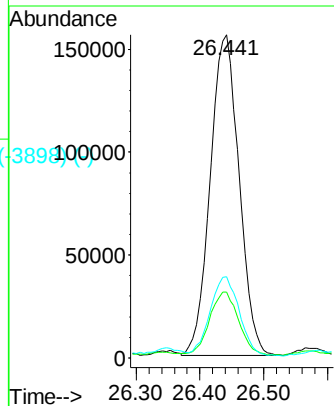
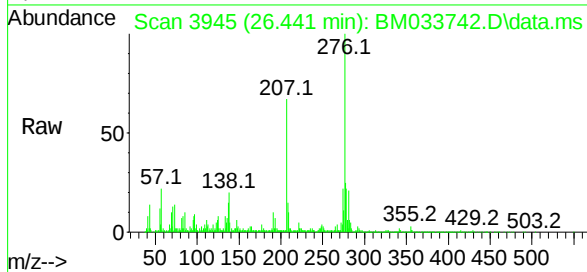




Indeno(1,2,3-cd)pyrene
Concen: 8.243 ng
RT: 26.441 min Scan# 3945
Delta R.T. -0.023 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

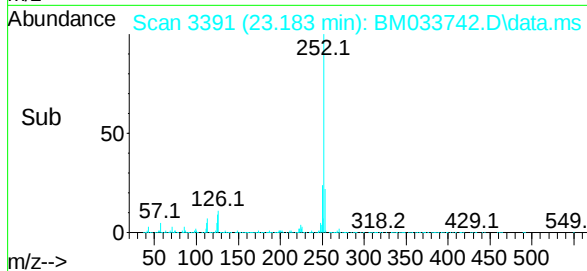
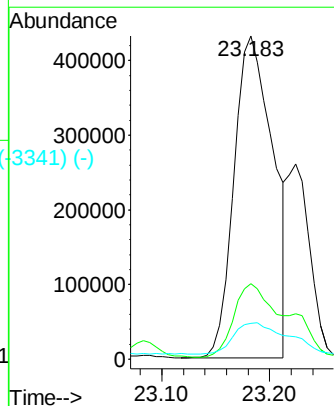
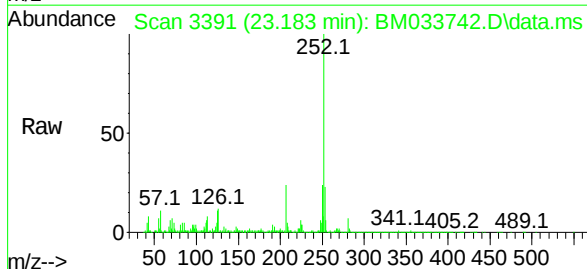
Instrument :
BNA_M
ClientSampleId :
V-2

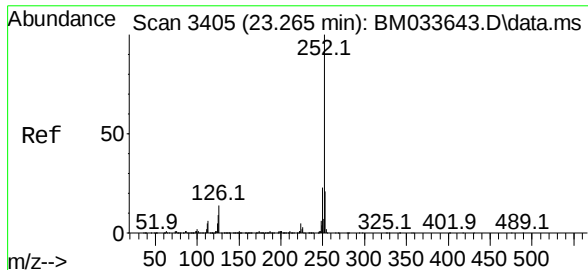
Tgt Ion:	276	Resp:	488272
Ion	Ratio	Lower	Upper
276	100		
138	20.0	18.7	28.1
277	24.9	20.2	30.4



Benzo(b)fluoranthene
Concen: 21.186 ng
RT: 23.183 min Scan# 3391
Delta R.T. -0.006 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

Tgt Ion:	252	Resp:	1084919
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	11.2	7.4	11.2

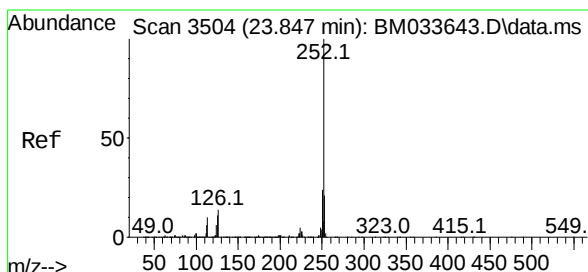
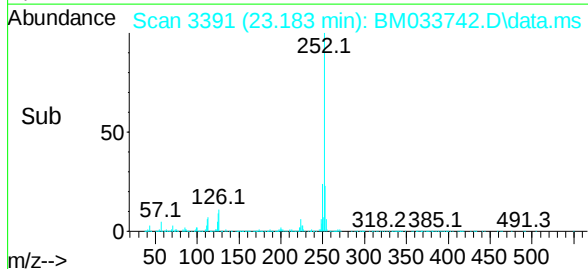
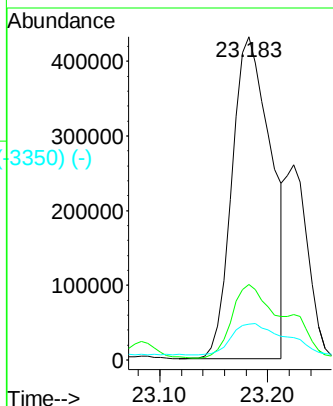
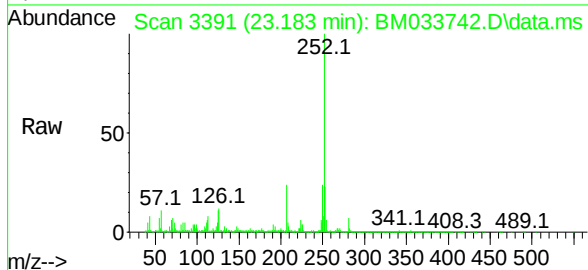




Scan 3405 (23.265 min): BM033643.D\data.ms (-3409) (-)
 Benzo(k)fluoranthene
 Concen: 21.859 ng
 RT: 23.183 min Scan# 3391
 Delta R.T. -0.059 min
 Lab File: BM033742.D
 Acq: 14 Jan 2022 23:34

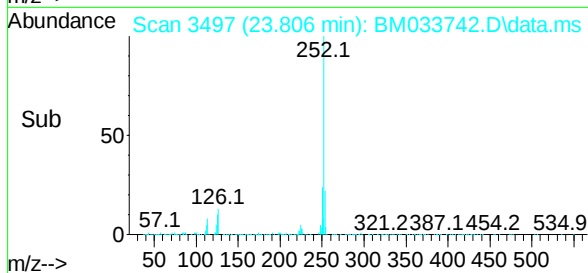
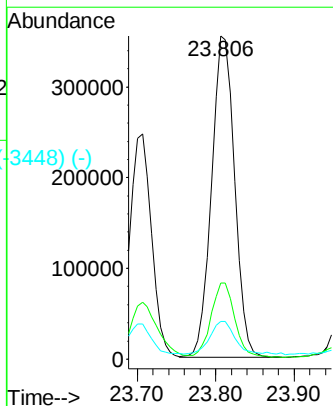
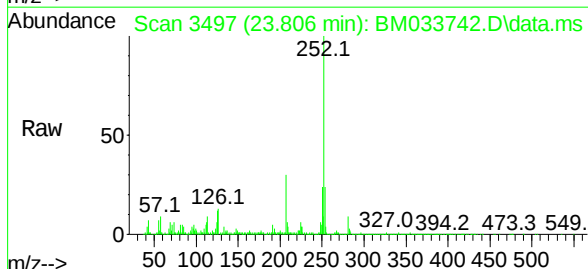
Instrument :
 BNA_M
 ClientSampleId :
 V-2

Tgt Ion:	252	Resp:	1084919
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	11.2	8.1	12.1

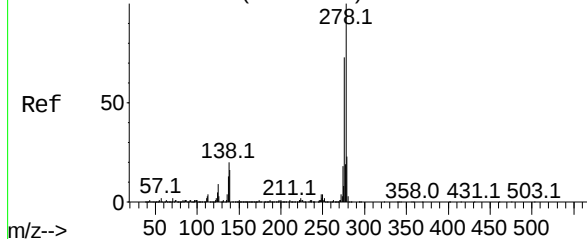


Scan 3504 (23.847 min): BM033643.D\data.ms (-3499) (-)
 Benzo(a)pyrene
 Concen: 17.022 ng
 RT: 23.806 min Scan# 3497
 Delta R.T. -0.012 min
 Lab File: BM033742.D
 Acq: 14 Jan 2022 23:34

Tgt Ion:	252	Resp:	723441
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	11.6	7.8	11.8



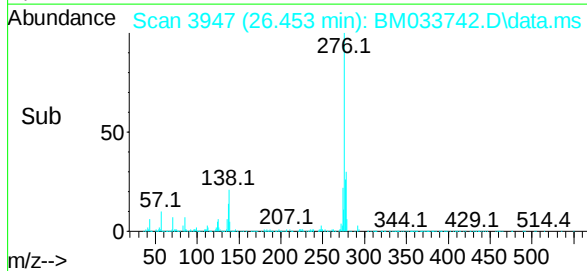
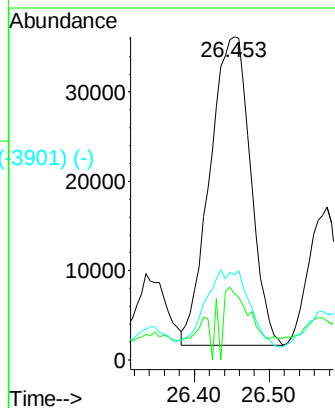
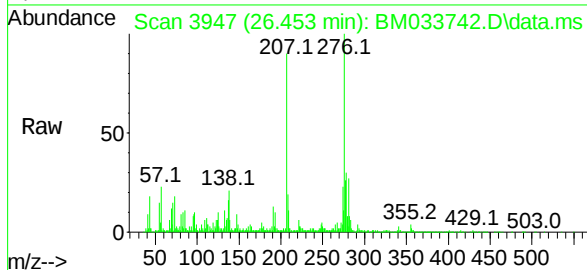
Abundance Scan 3959 (26.524 min): BM033643.D\data.ms (-3991) (-)



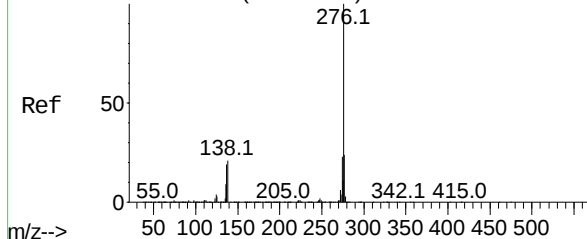
Dibenzo(a,h)anthracene
Concen: 2.646 ng
RT: 26.453 min Scan# 3991
Delta R.T. -0.029 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

Instrument :
BNA_M
ClientSampleId :
V-2

Tgt Ion:	278	Resp:	130186
Ion	Ratio	Lower	Upper
278	100		
139	20.5	10.9	16.3#
279	26.3	17.7	26.5



Abundance Scan 4089 (27.288 min): BM033643.D\data.ms (-4092) (-)



Benzo(g,h,i)perylene
Concen: 8.922 ng
RT: 27.218 min Scan# 4077
Delta R.T. -0.029 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

Tgt Ion:	276	Resp:	431557
Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.1	28.7
138	19.9	14.8	22.2

