

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031521\
 Data File : BM029139.D
 Acq On : 15 Mar 2021 20:38
 Operator : CG/JU
 Sample : M1664-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-230

Quant Time: Mar 16 00:30:36 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 12 12:30:15 2021
 Response via : Initial Calibration

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

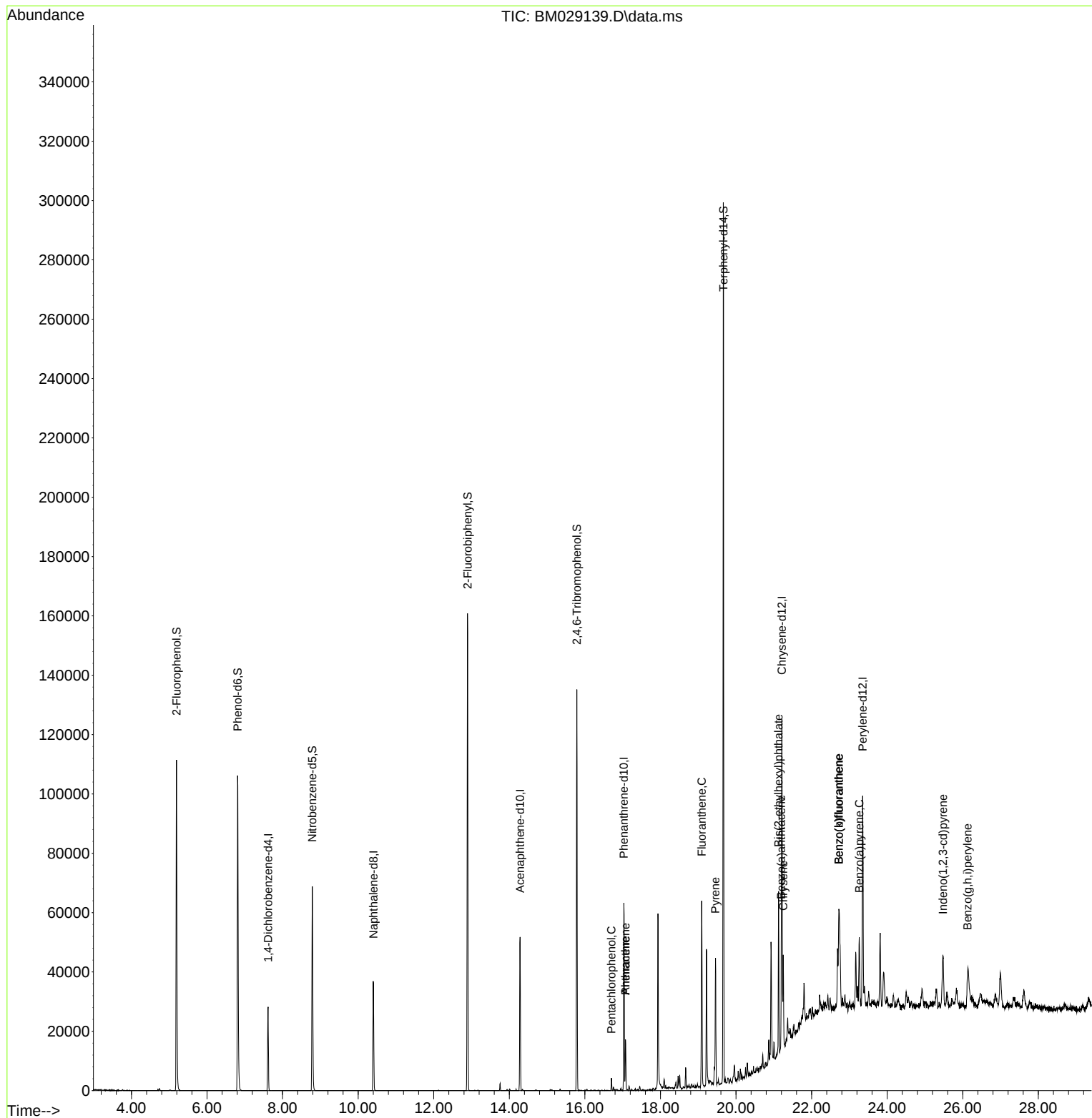
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.616	152	7547	20.00	ng	0.00
21) Naphthalene-d8	10.404	136	29818	20.00	ng	#-0.01
39) Acenaphthene-d10	14.286	164	17625	20.00	ng	-0.01
64) Phenanthrene-d10	17.033	188	36495	20.00	ng	-0.01
76) Chrysene-d12	21.215	240	40444	20.00	ng	#-0.01
86) Perylene-d12	23.350	264	41770	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.193	112	42682	93.74	ng	0.00
7) Phenol-d6	6.810	99	51413	85.49	ng	-0.01
23) Nitrobenzene-d5	8.786	82	34450	62.33	ng	-0.01
42) 2,4,6-Tribromophenol	15.786	330	19051	91.20	ng	-0.01
45) 2-Fluorobiphenyl	12.898	172	75813	57.26	ng	0.00
79) Terphenyl-d14	19.668	244	119212	54.43	ng	0.00
Target Compounds						
						Qvalue
70) Pentachlorophenol	16.704	266	1072	4.39	ng	97
71) Phenanthrene	17.074	178	10341	4.76	ng	100
72) Anthracene	17.074	178	10341	4.80	ng	99
75) Fluoranthene	19.092	202	29802	12.48	ng	97
78) Pyrene	19.456	202	25778	8.68	ng	98
81) Benzo(a)anthracene	21.197	228	12995	4.63	ng	99
83) Chrysene	21.250	228	15795	5.77	ng	98
84) Bis(2-ethylhexyl)phtha...	21.127	149	17159	9.32	ng	# 96
87) Indeno(1,2,3-cd)pyrene	25.480	276	10868	3.45	ng	# 95
88) Benzo(b)fluoranthene	22.721	252	30206	10.24	ng	# 95
89) Benzo(k)fluoranthene	22.721	252	30206	10.78	ng	# 95
90) Benzo(a)pyrene	23.262	252	14168	5.26	ng	# 94
92) Benzo(g,h,i)perylene	26.127	276	10689	4.04	ng	# 92

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

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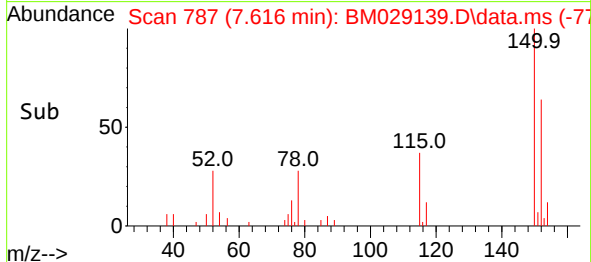
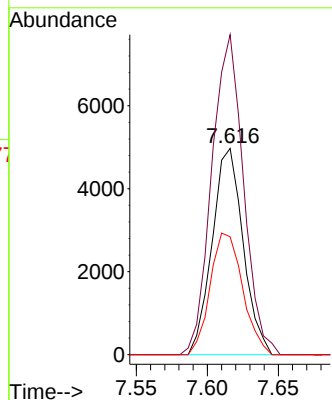
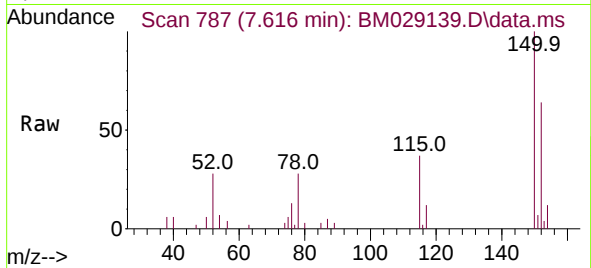




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.616 min Scan# 787
Delta R.T. -0.006 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

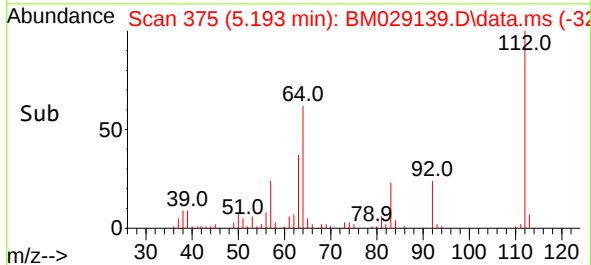
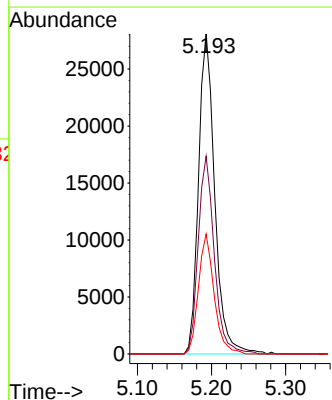
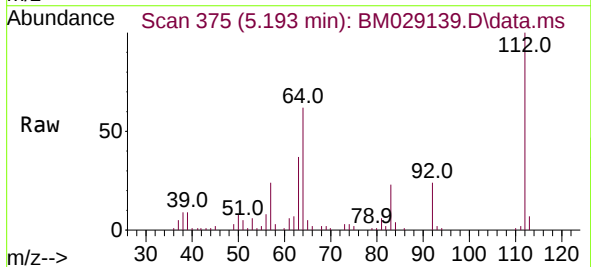
Instrument :
BNA_M
ClientSampled :
VNJ-230

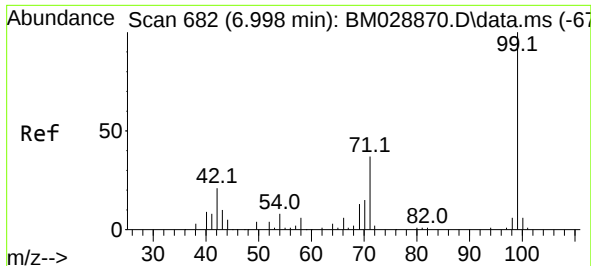
Tgt Ion:152 Resp: 7547
Ion Ratio Lower Upper
152 100
150 155.1 120.6 181.0
115 57.2 47.2 70.8



#5
2-Fluorophenol
Concen: 93.74 ng
RT: 5.193 min Scan# 375
Delta R.T. -0.006 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

Tgt Ion:112 Resp: 42682
Ion Ratio Lower Upper
112 100
64 61.8 50.6 76.0
63 37.5 31.0 46.6

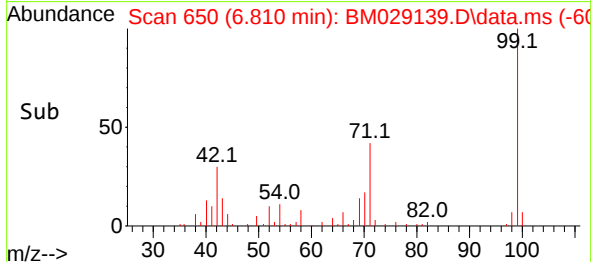
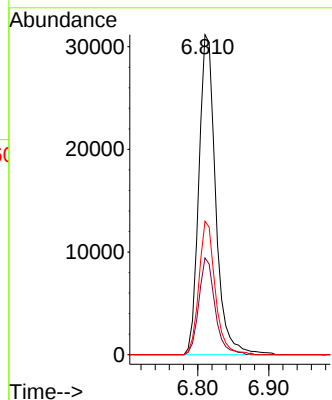
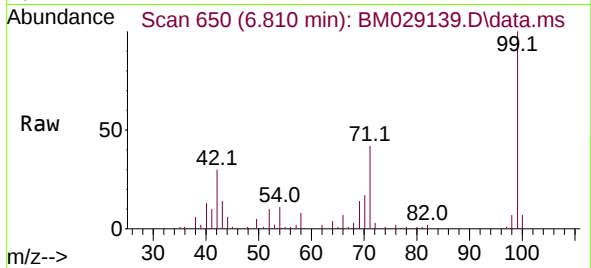




#7
Phenol-d6
Concen: 85.49 ng
RT: 6.810 min Scan# 650
Delta R.T. -0.012 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

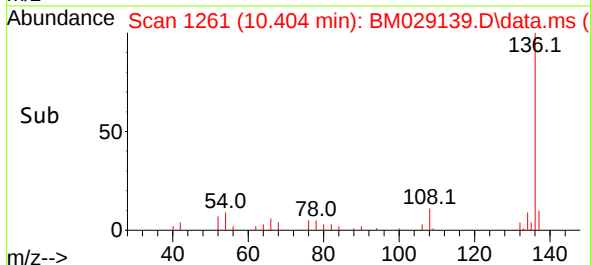
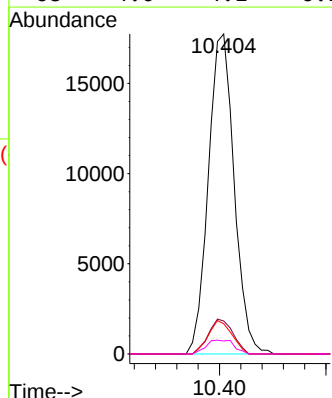
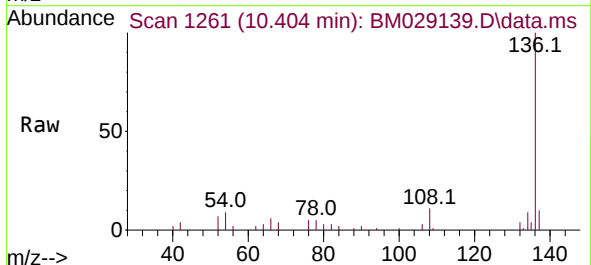
Instrument :
BNA_M
ClientSampleId :
VNJ-230

Tgt Ion: 99 Resp: 51413
Ion Ratio Lower Upper
99 100
42 30.3 13.5 20.3#
71 41.7 39.4 59.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.404 min Scan# 1261
Delta R.T. -0.012 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

Tgt Ion: 136 Resp: 29818
Ion Ratio Lower Upper
136 100
137 10.3 8.6 12.8
54 9.5 4.6 7.0#
68 4.0 4.1 6.1#

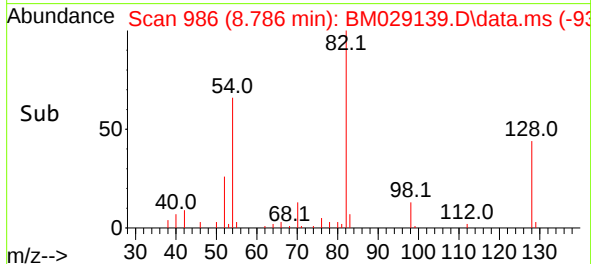
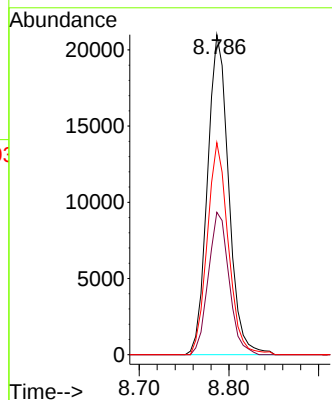
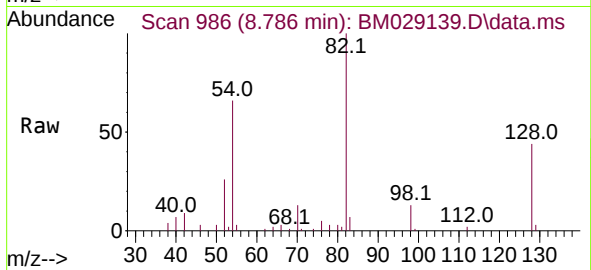




#23
Nitrobenzene-d5
Concen: 62.33 ng
RT: 8.786 min Scan# 986
Delta R.T. -0.012 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

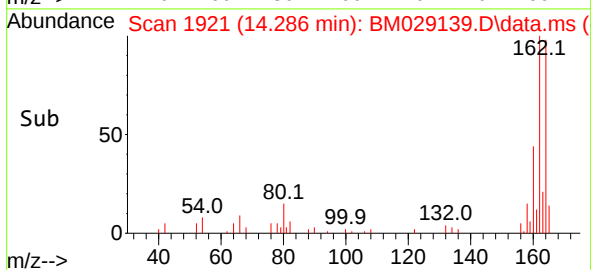
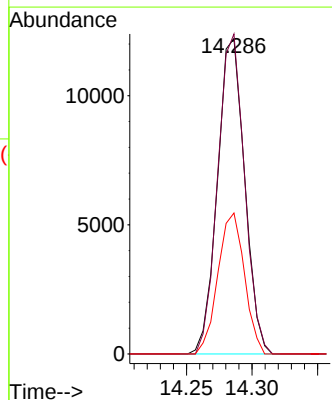
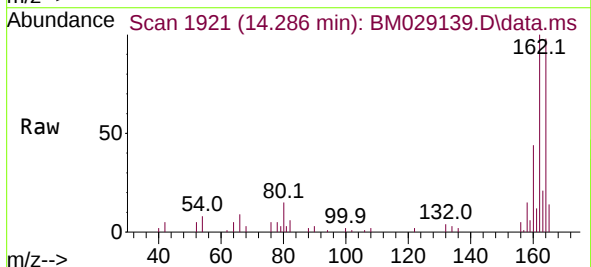
Instrument :
BNA_M
ClientSampleId :
VNJ-230

Tgt Ion: 82 Resp: 34450
Ion Ratio Lower Upper
82 100
128 44.5 27.4 41.0#
54 66.2 31.4 47.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.286 min Scan# 1921
Delta R.T. -0.012 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

Tgt Ion:164 Resp: 17625
Ion Ratio Lower Upper
164 100
162 101.5 80.4 120.6
160 44.7 35.9 53.9

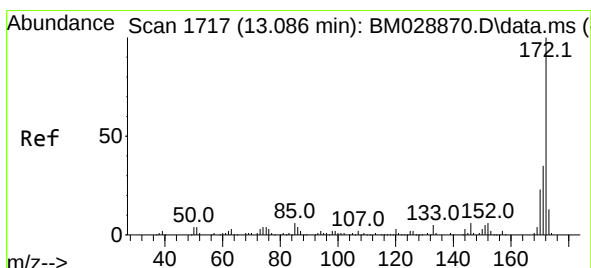
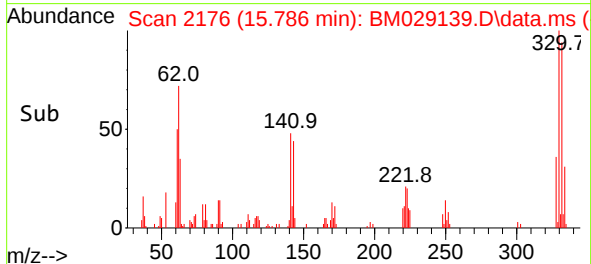
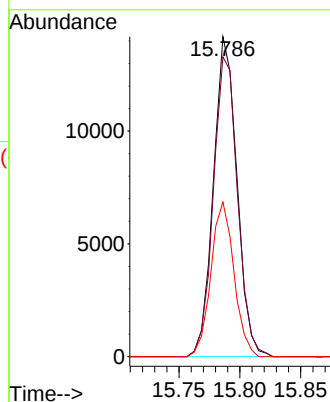
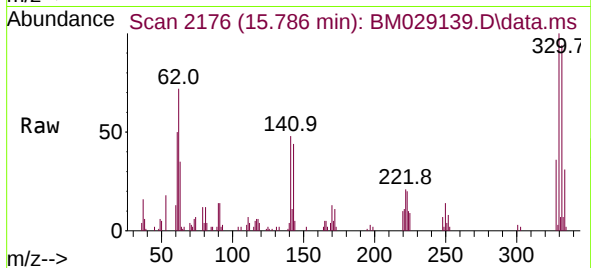




#42
2,4,6-Tribromophenol
Concen: 91.20 ng
RT: 15.786 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

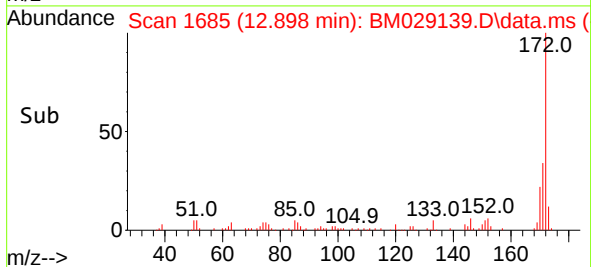
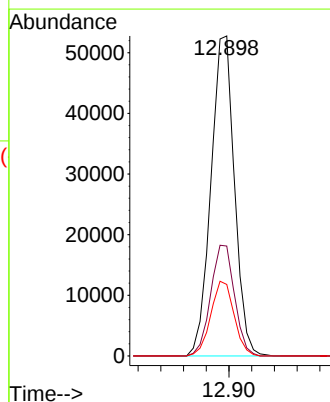
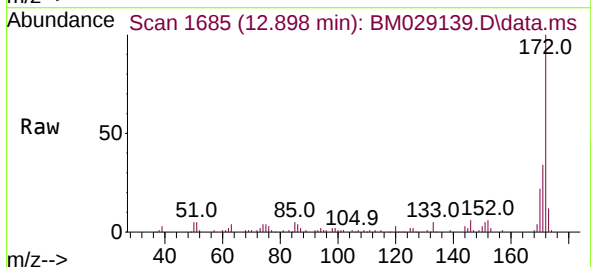
Instrument :
BNA_M
ClientSampled :
VNJ-230

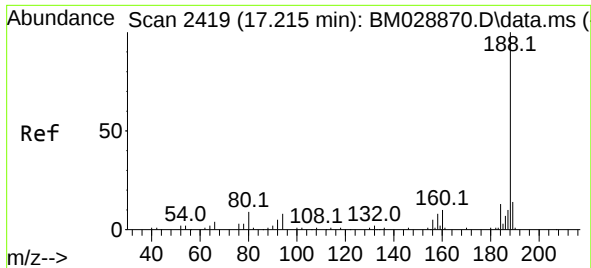
Tgt Ion:330 Resp: 19051
Ion Ratio Lower Upper
330 100
332 96.6 77.8 116.8
141 47.4 28.4 42.6#



#45
2-Fluorobiphenyl
Concen: 57.26 ng
RT: 12.898 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

Tgt Ion:172 Resp: 75813
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.8
170 22.3 18.6 27.8

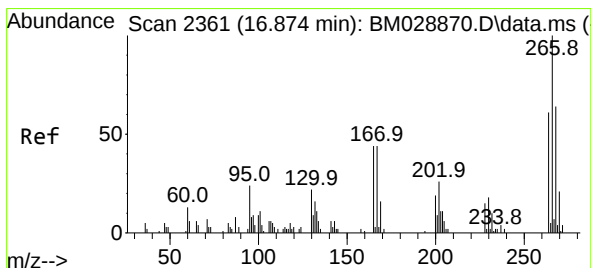
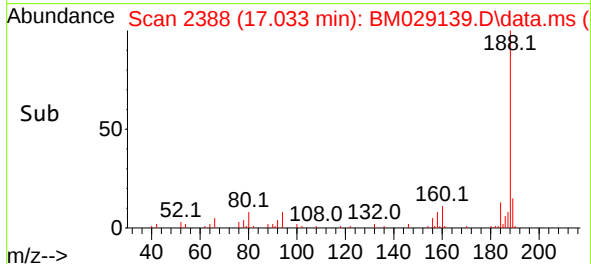
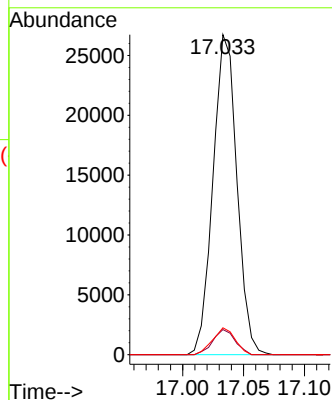
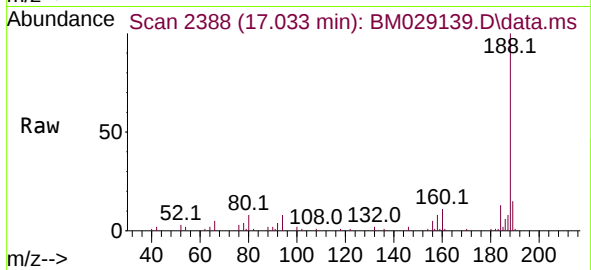




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.033 min Scan# 2388
Delta R.T. -0.012 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

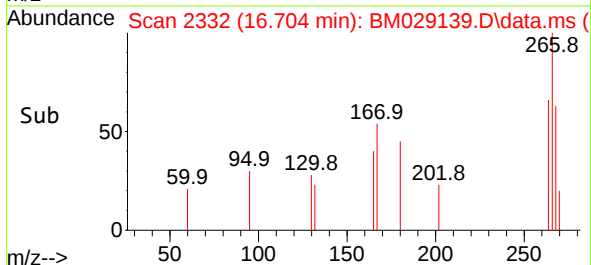
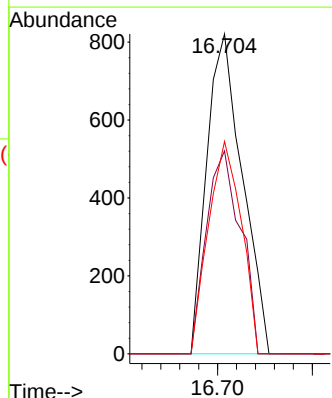
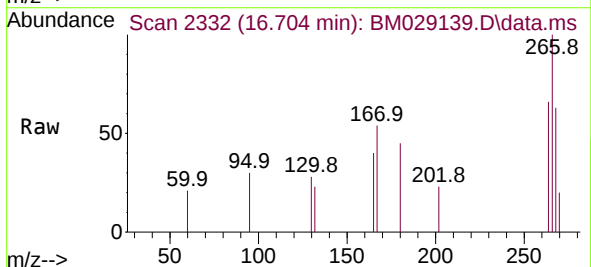
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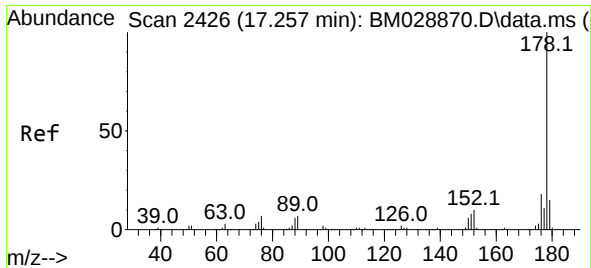
Tgt Ion:188 Resp: 36495
Ion Ratio Lower Upper
188 100
94 7.8 6.2 9.4
80 8.4 7.5 11.3



#70
Pentachlorophenol
Concen: 4.39 ng
RT: 16.704 min Scan# 2332
Delta R.T. -0.006 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

Tgt Ion:266 Resp: 1072
Ion Ratio Lower Upper
266 100
268 63.5 49.9 74.9
264 66.4 50.6 76.0

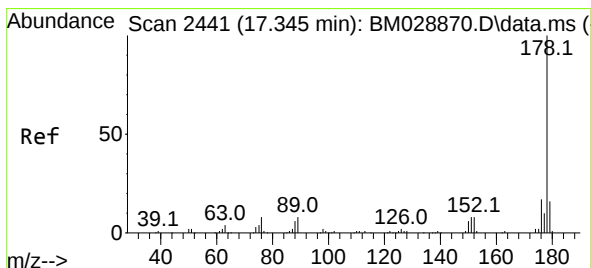
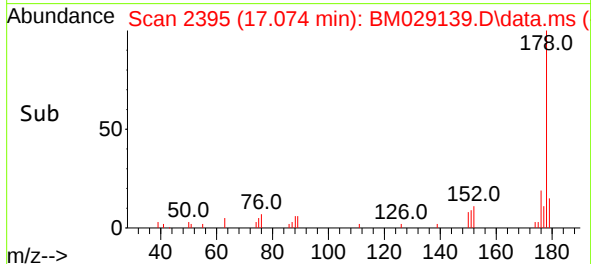
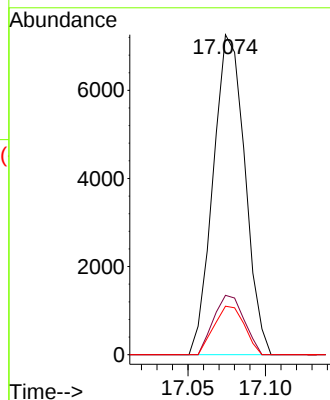
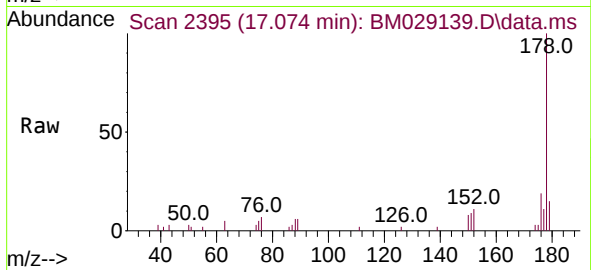




#71
Phenanthrene
Concen: 4.76 ng
RT: 17.074 min Scan# 2395
Delta R.T. -0.012 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

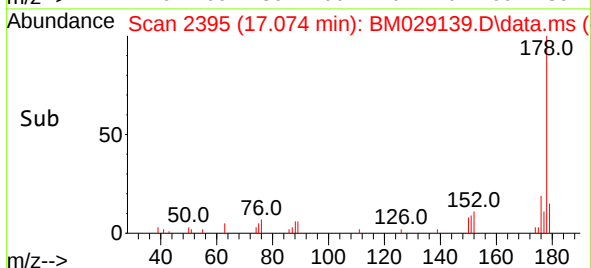
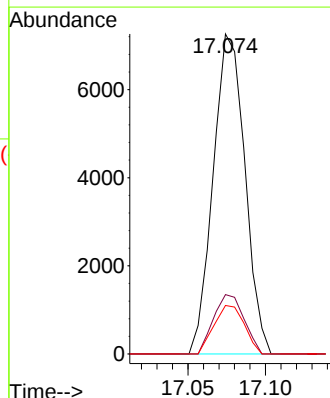
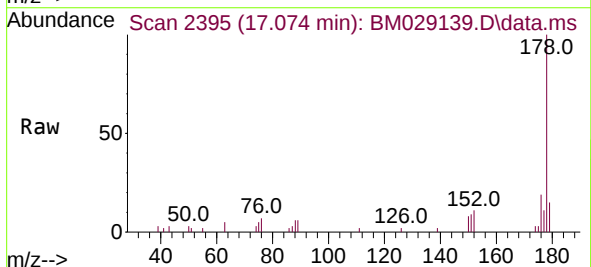
Instrument :
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ClientSampled :
VNJ-230

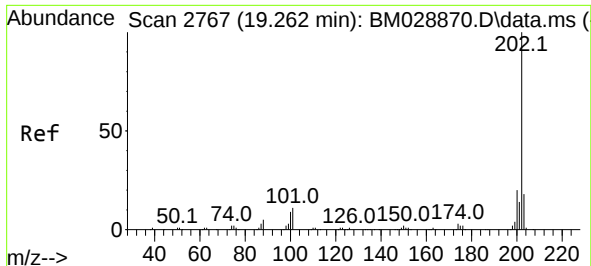
Tgt Ion:178 Resp: 10341
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.2 12.2 18.4



#72
Anthracene
Concen: 4.80 ng
RT: 17.074 min Scan# 2395
Delta R.T. -0.106 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

Tgt Ion:178 Resp: 10341
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.2 12.5 18.7

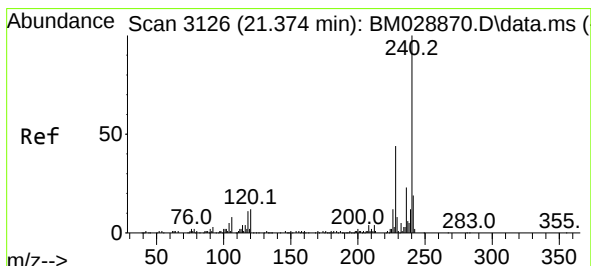
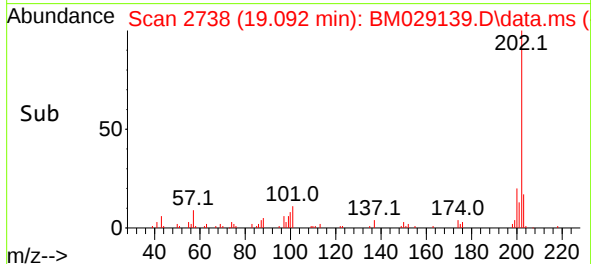
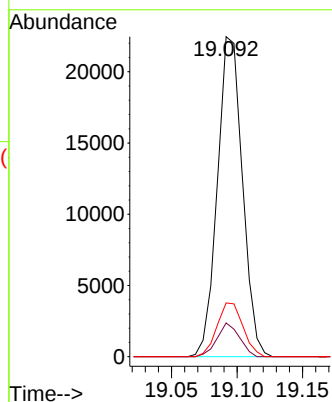
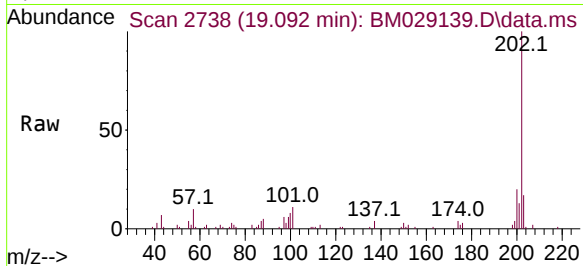




#75
Fluoranthene
Concen: 12.48 ng
RT: 19.092 min Scan# 2738
Delta R.T. -0.012 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

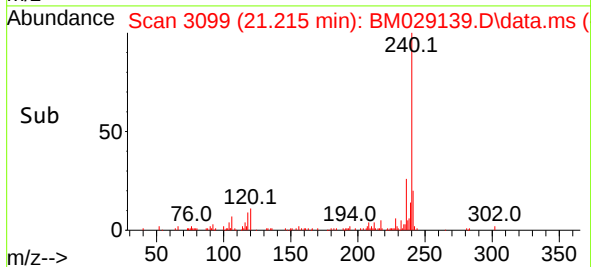
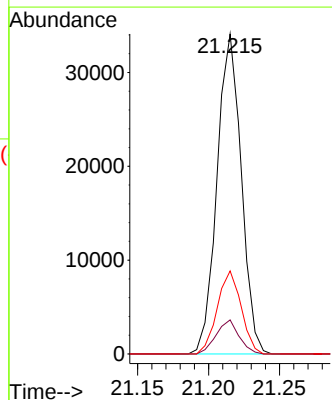
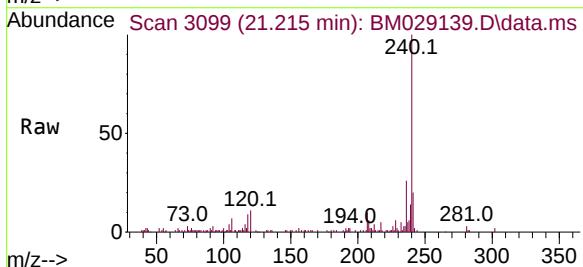
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BNA_M
ClientSampleId :
VNJ-230

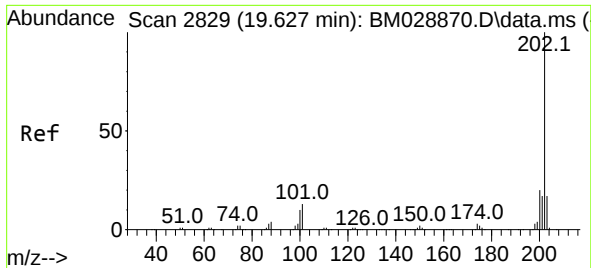
Tgt Ion:	202	Resp:	29802
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	28.5
203	16.8	0.0	37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.215 min Scan# 3099
Delta R.T. -0.012 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

Tgt Ion:	240	Resp:	40444
Ion Ratio	Lower	Upper	
240	100		
120	10.7	6.4	9.6#
236	25.9	20.1	30.1

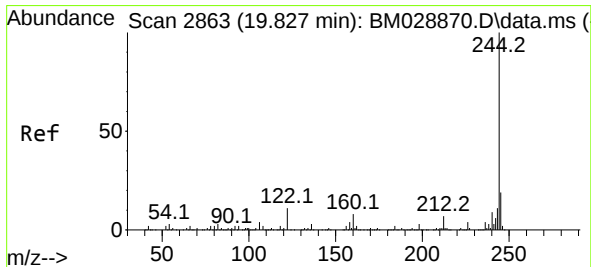
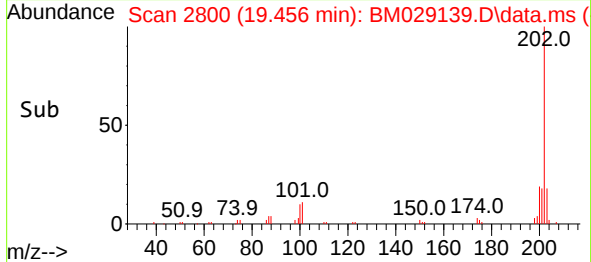
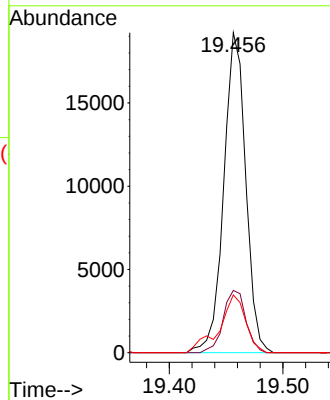
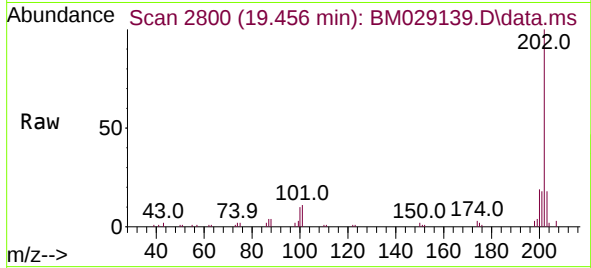




#78
Pyrene
Concen: 8.68 ng
RT: 19.456 min Scan# 2800
Delta R.T. -0.012 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

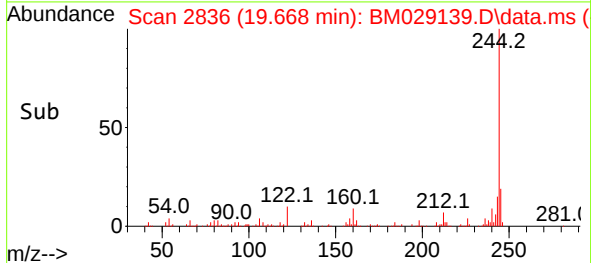
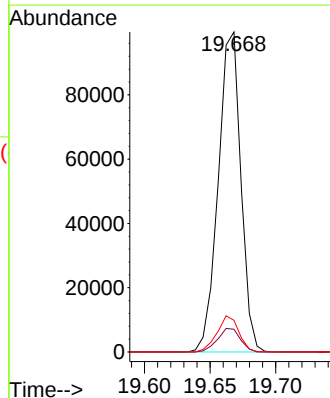
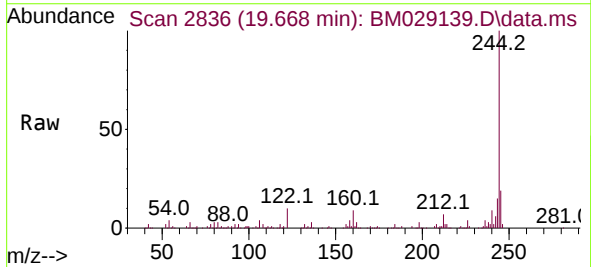
Instrument :
BNA_M
ClientSampleId :
VNJ-230

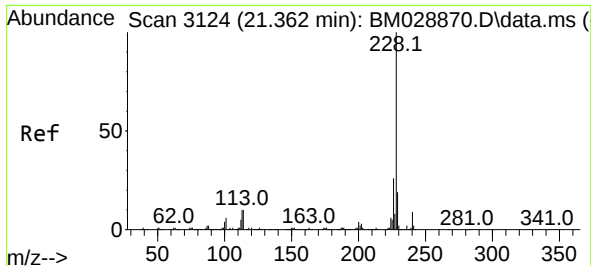
Tgt Ion:	202	Resp:	25778
Ion Ratio	Lower	Upper	
202	100		
200	19.4	16.6	24.8
203	18.0	13.8	20.6



#79
Terphenyl-d14
Concen: 54.43 ng
RT: 19.668 min Scan# 2836
Delta R.T. -0.006 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

Tgt Ion:	244	Resp:	119212
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.8	8.8
122	9.9	6.5	9.7#

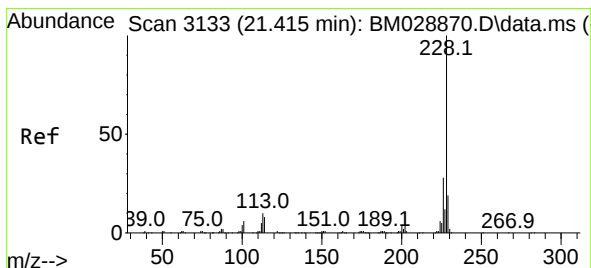
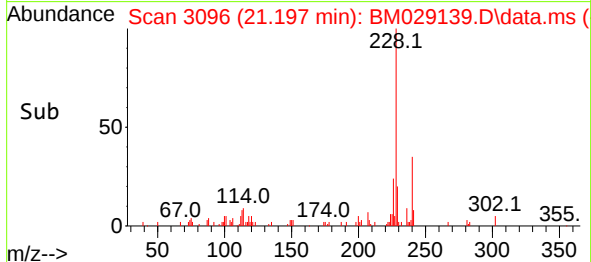
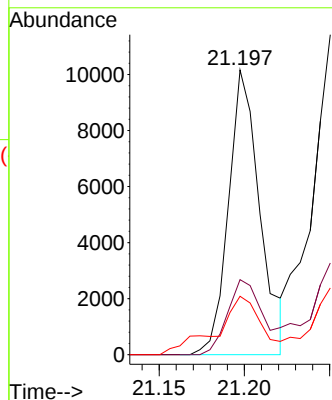
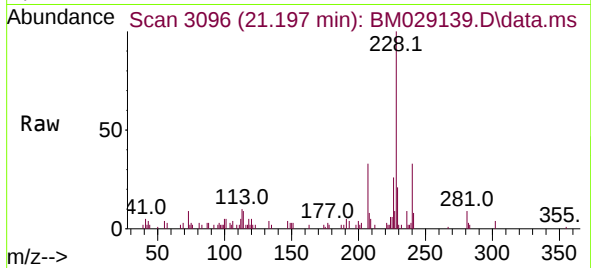




#81
Benzo(a)anthracene
Concen: 4.63 ng
RT: 21.197 min Scan# 3096
Delta R.T. -0.012 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

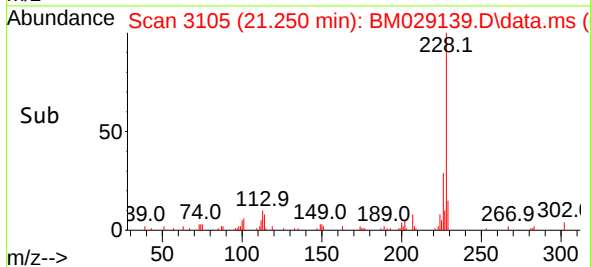
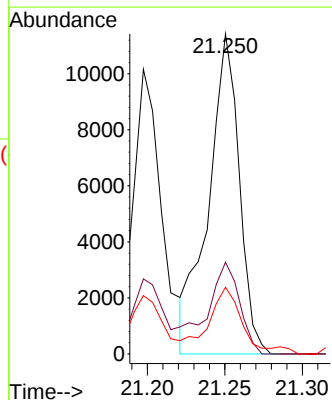
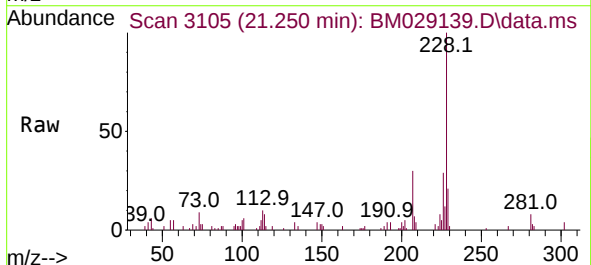
Instrument :
BNA_M
ClientSampleId :
VNJ-230

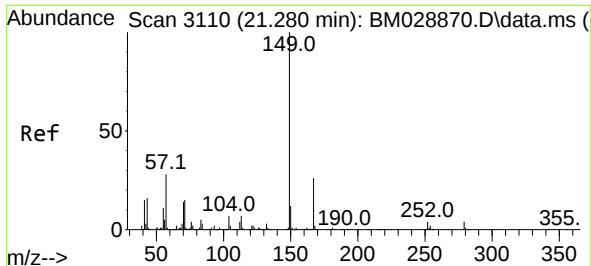
Tgt Ion:228 Resp: 12995
Ion Ratio Lower Upper
228 100
226 26.4 21.1 31.7
229 20.5 15.7 23.5



#83
Chrysene
Concen: 5.77 ng
RT: 21.250 min Scan# 3105
Delta R.T. -0.012 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

Tgt Ion:228 Resp: 15795
Ion Ratio Lower Upper
228 100
226 28.6 23.4 35.0
229 20.9 15.7 23.5

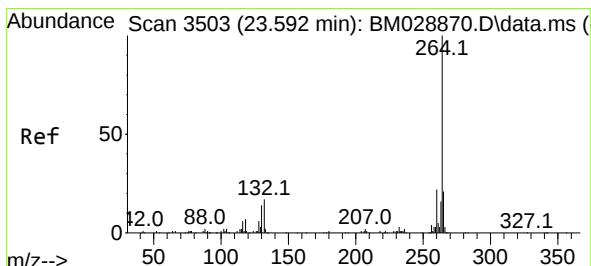
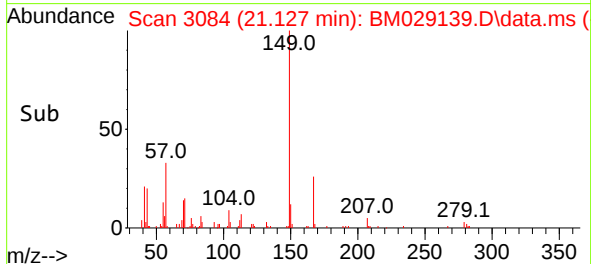
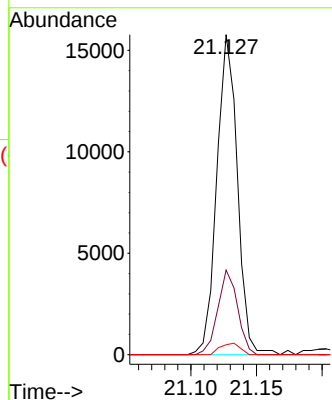
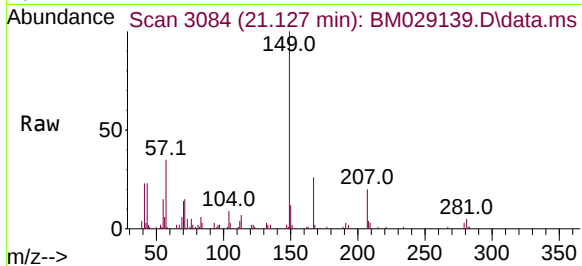




#84
Bis(2-ethylhexyl)phthalate
Concen: 9.32 ng
RT: 21.127 min Scan# 3084
Delta R.T. -0.012 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

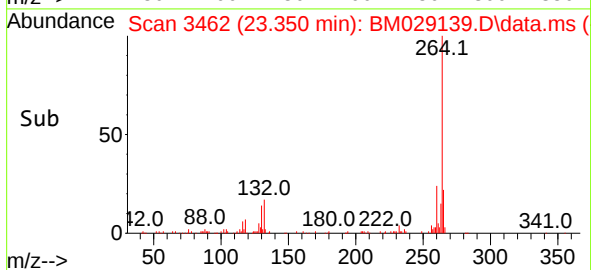
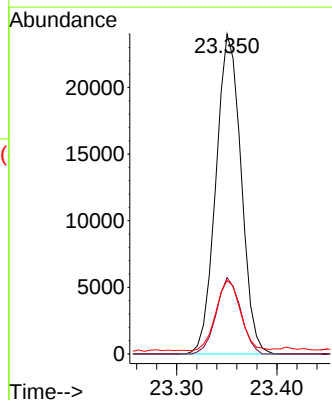
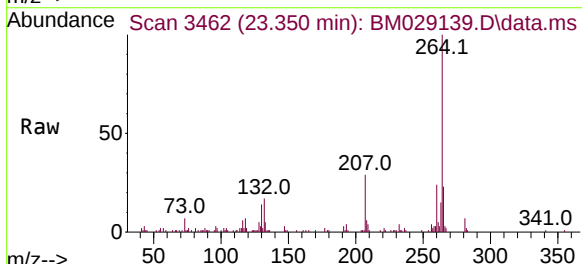
Instrument :
BNA_M
ClientSampleId :
VNJ-230

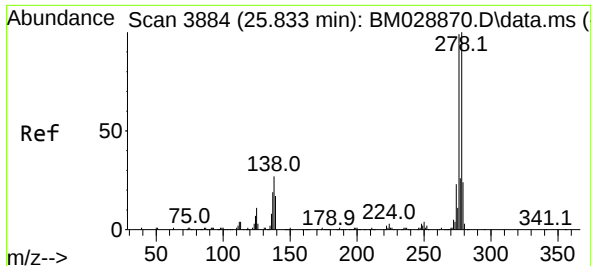
Tgt Ion:149 Resp: 17159
Ion Ratio Lower Upper
149 100
167 26.5 22.7 34.1
279 3.1 4.0 6.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.350 min Scan# 3462
Delta R.T. -0.018 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

Tgt Ion:264 Resp: 41770
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 23.0 17.7 26.5

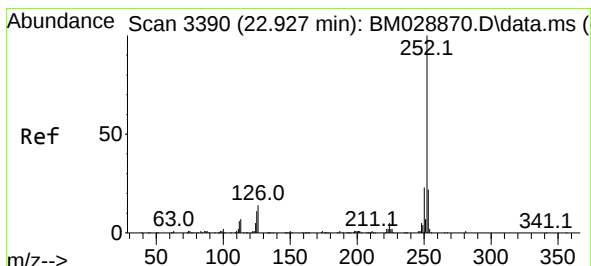
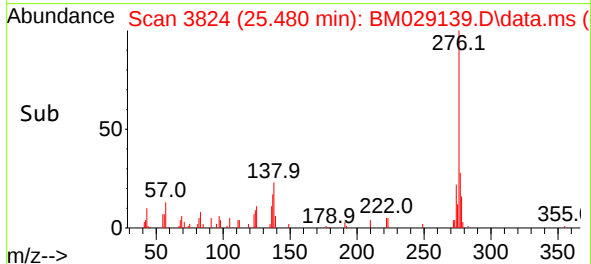
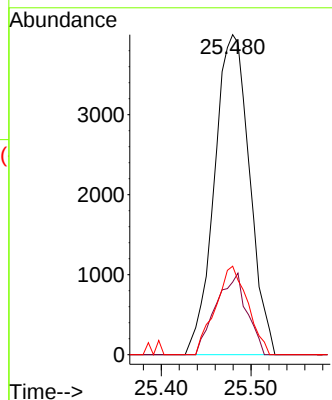
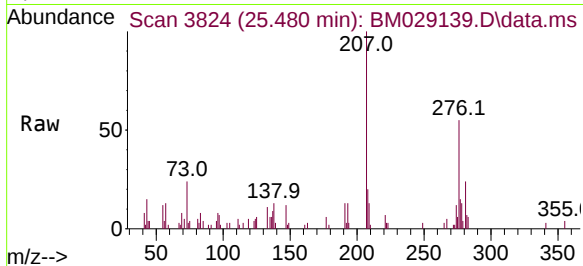




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.45 ng
 RT: 25.480 min Scan# 3824
 Delta R.T. -0.029 min
 Lab File: BM029139.D
 Acq: 15 Mar 2021 20:38

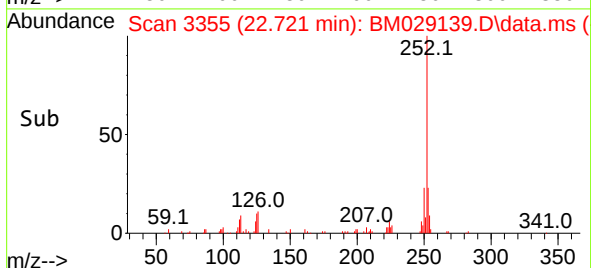
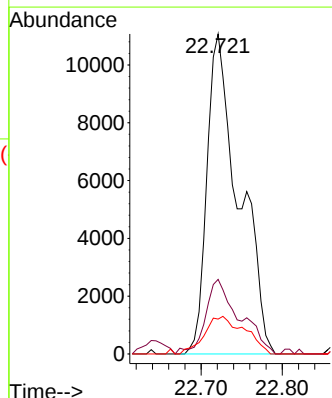
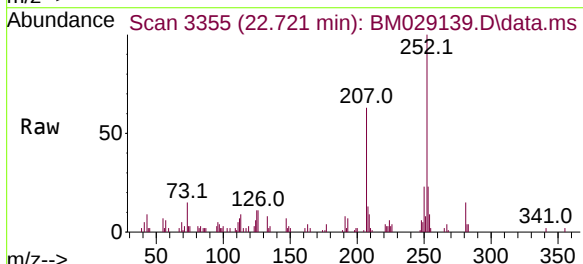
Instrument :
 BNA_M
 ClientSampled :
 VNJ-230

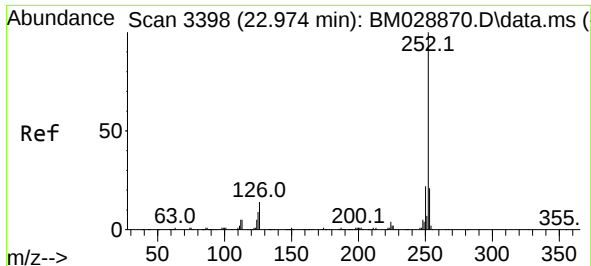
Tgt Ion:276 Resp: 10868
 Ion Ratio Lower Upper
 276 100
 138 22.4 14.2 21.4#
 277 25.4 19.8 29.8



#88
 Benzo(b)fluoranthene
 Concen: 10.24 ng
 RT: 22.721 min Scan# 3355
 Delta R.T. -0.012 min
 Lab File: BM029139.D
 Acq: 15 Mar 2021 20:38

Tgt Ion:252 Resp: 30206
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.4 26.0
 125 10.9 5.7 8.5#

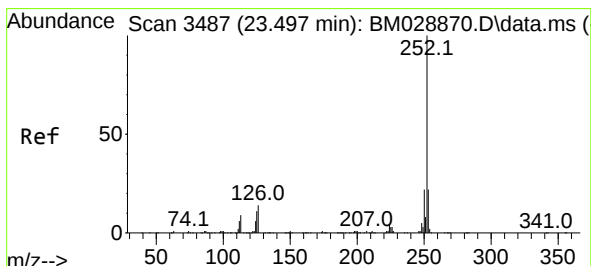
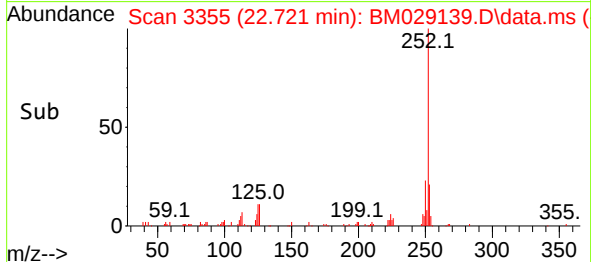
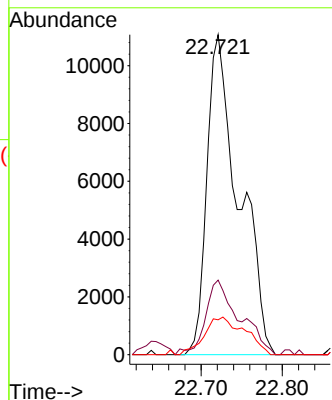
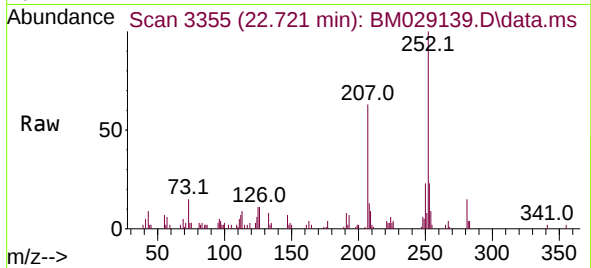




#89
Benzo(k)fluoranthene
Concen: 10.78 ng
RT: 22.721 min Scan# 3355
Delta R.T. -0.053 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

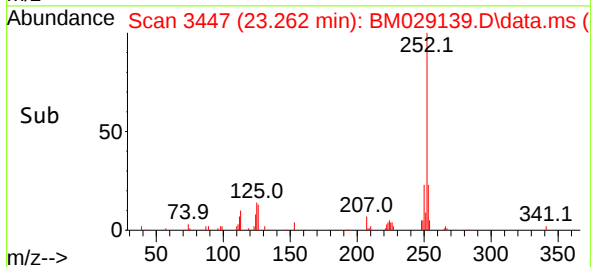
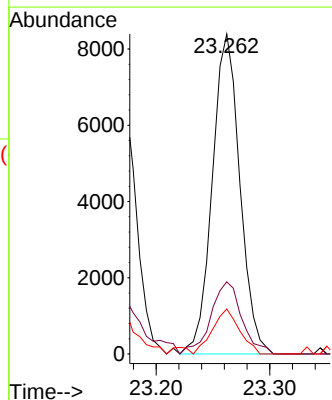
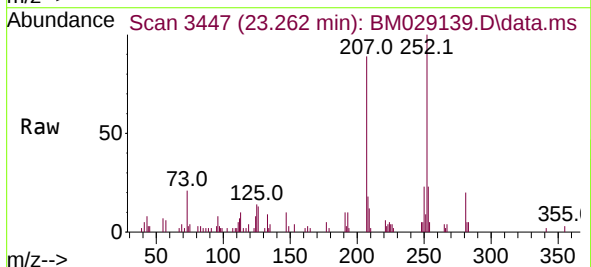
Instrument :
BNA_M
ClientSampleId :
VNJ-230

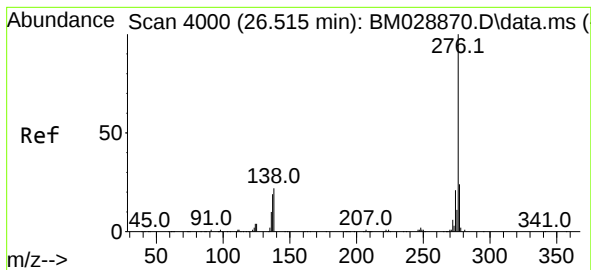
Tgt Ion:252 Resp: 30206
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 10.9 5.6 8.4#



#90
Benzo(a)pyrene
Concen: 5.26 ng
RT: 23.262 min Scan# 3447
Delta R.T. -0.018 min
Lab File: BM029139.D
Acq: 15 Mar 2021 20:38

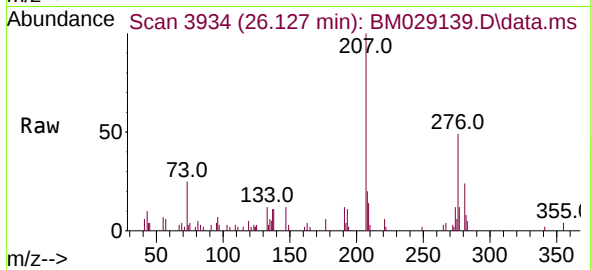
Tgt Ion:252 Resp: 14168
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 14.1 6.6 9.8#





#92
 Benzo(g,h,i)perylene
 Concen: 4.04 ng
 RT: 26.127 min Scan# 3934
 Delta R.T. -0.029 min
 Lab File: BM029139.D
 Acq: 15 Mar 2021 20:38

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-230



Tgt Ion:	276	Resp:	10689
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.6	28.0
138	21.9	12.2	18.2#

